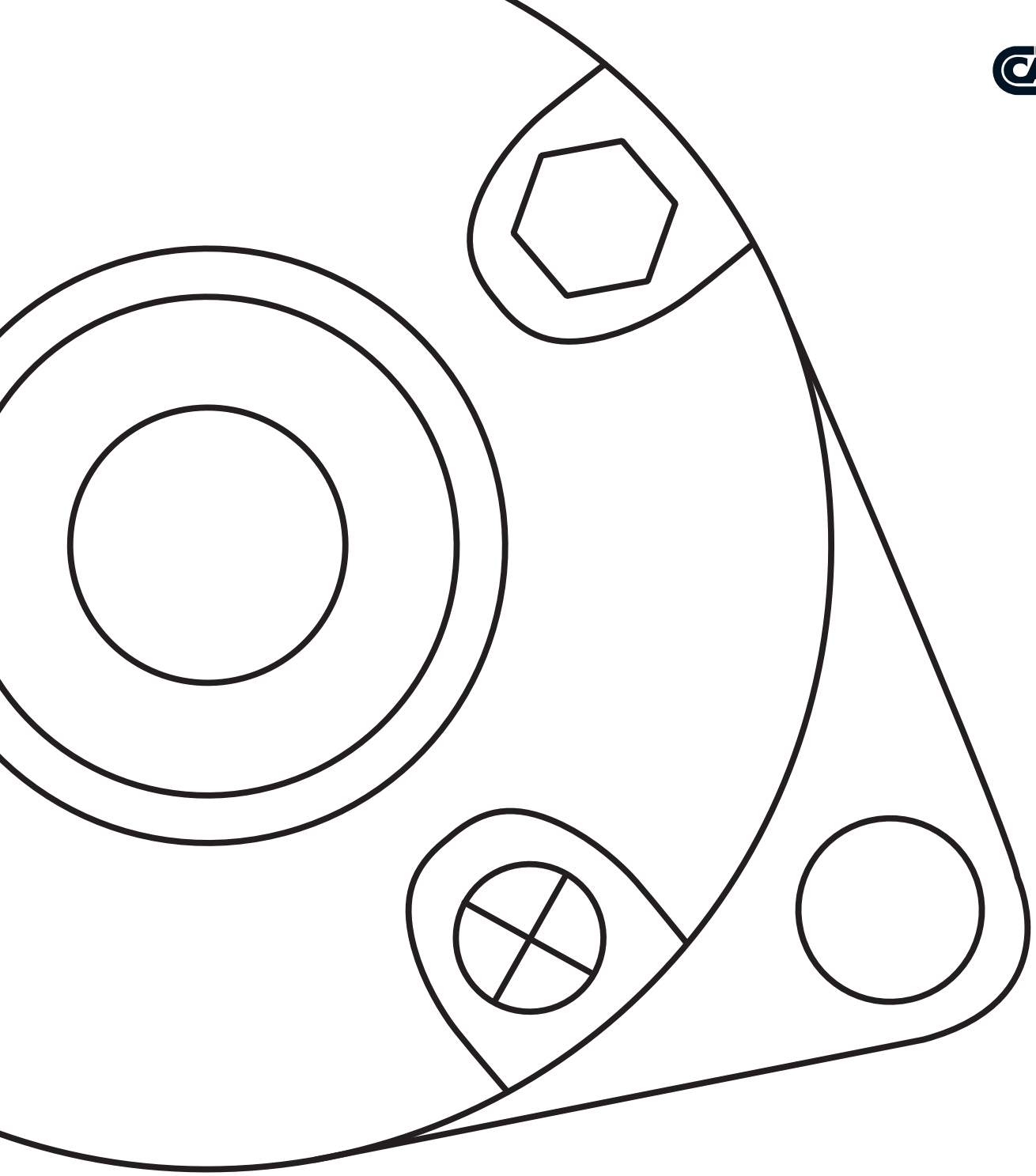


Automotive components since 1963

STARTER & DYNASTARTER COMPONENTS

PART 3

2009/2010



Care is taken to ensure the accuracy of descriptions and applications of each item, but CARGO assumes no responsibility for possible errors. O.E.M. names and numbers are used for reference purposes only.

Printed in Denmark. Copyright © 2009 Holger Christiansen Group

ABBREVIATIONS:

Assort.=Assortment, **ACR**=Anti-clockwise rotation, **AC**=Air Condition, **Amp.**=Ampere, **AT**=Automatic Transmission, **Cat**=Catalyzer, **CR**=Clockwise rotation, **Cyl.**=Cylinder **Eng.**=Engine, **D.**=Diameter, **Eur.**=European application, **FW**=Free-Wheeling, **GR**=Gear Reduction, **H**.=Height, **HD**=Heavy Duty construction, **HP**=Horsepower, **I.D.**=Inner Diameter, **K**=Test lamp, **kW.**=Kilowatt, **L.**=Length, **LHD**=Left Hand Drive, **L.L.**=Lead Lenght, **LRC**=Low responce control, **M**=Minimum supply, **O.D.**=Outer Diameter, **PS**=Power Steering, **RHD**=Right Hand Drive, **RPM**=Rounds per minute, **Th.**=Thickness, **V.**=Volt, **VP**=Vacuum Pump, **w/**=With, **w/o**=Without, **W.**=Width
( )=Vehicle type, **[ ].**=Engine type

Bo=Bosch, Bu=Butec, CA=Cav, Ch=Chrysler, DC=DC Motors, De=Denso, DR=Remy (delco), Du=Ducellier, Dy=Dynastarter, El=Elmot, Fe=Femsa, Fo=Ford, Hi=Hitachi, Is=Iskra, La=Lada, LN=Leece Neville, Lu=Lucas, Md=Mando Melroe, Mi=Mitsubishi, Ml=Miscellaneous MM=Magneti Marelli, Mo=Motorola, Mo US=Motorola Usa, Ms=Mitsuba, Mt=Magneton, Nk=Nikko, Pl=Prestolite, PS=Poong Sung, Ro=Romanian, SE=SEV, Sf=Sawafuji, SJ=SJCE, Te=Tecumseh, Un=Universal, UT=United Technologies, Va=Valeo, Va Kor.=Valeo, Wapsa=Wa

TERMINAL CHART	Field / Rotor	Ground	Charging Lamp	Ignition	Point Central	Tacho	CPU Control	Battery Sense	Battery	Dummy
BOSCH	DF	D-	D+/61/L	15		W	DFM/FR	S	B+	
BUTEC	F	-	D+						B+	
DELCO	F	GRD	D+/L/1	I/IG		P/R/W		M/S/2	B+	
DUCELLIER	EXC	-/B-	D+			W			B+	
ELMOT	67	31	15			W			B+	
FORD/VISTEON	DF/F/FLD	D-/-VE	D+/IND/I			W/STA/S			B+/Bat	
HITACHI	F	E	L	IG/R	N	P	FR/G	S	B/A	D
ISKRA	DF	D-	D+			W			B+	
LADA	67	31	15						B+/30	
LUCAS	F	-	D+			STA		S	B+	
MAGNETON	M	-	R						B+	
MANDO MELROE	F	E	L/I	IG/R	N	P		S	B/A	D
MAGNETI MARELLI	67	31	15		C	W	FR/SIG		B+/30	
MITSUBISHI	F	E	L	IG/R	N	P	FR/G/D	S	B/A	D
MOTOROLA	EXC	-/B-	D+			W			B+	
NIPPONDENSO	F	E-	L	IG/R	N	P	FR/C/M	S	B/A	D
PARIS RHONE	EXC	-/B-	L			W			B+	
SEV	DF	-/B-	61+			W			B+	
VALEO	EXC	-	L/D+	+		W			B+	

Content

REPLACEMENT FOR	PAGE
BOSCH STARTER PARTS	
Armatures	11
Yokes	26
Yokes w/magnets	27
Field Cases	29
Field Coils	30
C.E. Brackets	39
D.E. Brackets	43
I.M. Brackets	66
Solenoids	67
Drives	97
Planet Gears	128
Levers	141
Clutches	144
Brush Gears	145
Brush Sets	155
Bushings	162
Bearings	171
Repair Kits	174
Sundry Parts	180
BOSCH DC-MOTOR PARTS	
Armatures	201
Brush Sets	201
BOSCH DYNASTARTER PARTS	
Armatures	202
Regulators	202
Brush Sets	202
Bearings	202
Rotor Parts	202
BOSCH UNIVERSAL PARTS	
Solenoids	203
BRIGGS & STRATTON STARTER PARTS	
Armatures	204
Yokes w/magnets	204
D.E. Brackets	204
Solenoids	204
Drives	204
Planet Gears	205
Clutches	205
Brush Gears	206
Brush Sets	206

REPLACEMENT FOR	PAGE
BRIGGS & STRATTON STARTER PARTS	
Bushings	206
BUTEC STARTER PARTS	
Armatures	207
Field Coils	207
Solenoids	207
Drives	208
Levers	209
Brush Sets	209
Bushings	209
Sundry Parts	210
CAJAVEC STARTER PARTS	
Solenoids	211
CAV STARTER PARTS	
Armatures	212
Field Coils	212
Solenoids	213
Drives	214
Clutches	220
Brush Gears	221
Brush Sets	221
Bushings	222
Bearings	223
Repair Kits	223
Sundry Parts	223
CAV DYNASTARTER PARTS	
Bearings	230
CHRYSLER STARTER PARTS	
Armatures	231
Field Coils	231
C.E. Brackets	231
Solenoids	231
Drives	233
Planet Gears	234
Levers	234
Brush Gears	234
Brush Sets	234
Bushings	235
Sundry Parts	235

All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Content

REPLACEMENT FOR	PAGE
CHRYSLER UNIVERSAL PARTS	
Solenoids	237
DC MOTOR COMPONENT STARTER PARTS	
Solenoids	238
Sundry Parts	238
DC MOTOR COMPONENT DC-MOTOR PARTS	
Armatures	239
Solenoids	239
Brush Gear Parts	239
Brush Sets	239
Bushings	240
DENSO STARTER PARTS	
Armatures	242
Yokes	245
Yokes w/magnets	247
Field Coils	247
C.E. Brackets	248
D.E. Brackets	250
Solenoids	256
Drives	276
Planet Gears	288
Levers	291
Clutches	292
Brush Gears	293
Brush Sets	297
Bushings	299
Bearings	304
Repair Kits	305
Sundry Parts	305
DUCELLIER STARTER PARTS	
Armatures	315
Field Coils	317
D.E. Brackets	317
Solenoids	317
Drives	321
Levers	324
Brush Gears	325
Brush Sets	325
Bushings	326
Sundry Parts	328

REPLACEMENT FOR	PAGE
DUCELLIER DYNASTARTER PARTS	
Brush Sets	330
Bearings	330
DYNASTARTER COMPONENT STARTER PARTS	
Brush Sets	331
DYNASTARTER COMPONENT DYNASTARTER PARTS	
Field Coils	332
ELMOT STARTER PARTS	
Armatures	333
Field Coils	333
Solenoids	333
Drives	334
Levers	334
Brush Gears	334
Brush Sets	334
Bushings	335
Sundry Parts	335
FEMSA STARTER PARTS	
Armatures	336
Field Coils	336
Solenoids	336
Drives	337
Levers	339
Clutches	339
Brush Sets	339
Bushings	340
Sundry Parts	340
FORD STARTER PARTS	
Armatures	341
Yokes	342
Yokes w/magnets	343
Field Coils	343
C.E. Brackets	344
D.E. Brackets	345
I.M. Brackets	348
Solenoids	348
Drives	353
Planet Gears	357
Levers	359

All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Content

REPLACEMENT FOR	PAGE
FORD STARTER PARTS	
Clutches	360
Brush Gears	360
Brush Sets	362
Bushings	363
Bearings	365
Repair Kits	366
Sundry Parts	366
FORD UNIVERSAL PARTS	
Solenoids	371
HITACHI STARTER PARTS	
Armatures	372
Yokes	376
Yokes w/magnets	377
Field Coils	377
C.E. Brackets	380
D.E. Brackets	381
I.M. Brackets	383
Solenoids	384
Drives	394
Planet Gears	403
Levers	405
Clutches	408
Brush Gears	408
Brush Sets	411
Bushings	414
Bearings	419
Repair Kits	420
Sundry Parts	420
HITACHI DYNASTARTER PARTS	
Regulators	426
ISKRA STARTER PARTS	
Armatures	427
Yokes	428
Field Coils	428
Solenoids	430
Drives	432
Levers	436
Brush Sets	436
Bushings	438
Bearings	440

REPLACEMENT FOR	PAGE
ISKRA STARTER PARTS	
Sundry Parts	440
ISKRA DYNASTARTER PARTS	
Regulators	441
LADA STARTER PARTS	
Armatures	442
Field Coils	442
C.E. Brackets	442
D.E. Brackets	442
Solenoids	442
Drives	443
Brush Gears	443
Bushings	443
Sundry Parts	443
LEECE-NEVILLE STARTER PARTS	
Solenoids	444
Drives	444
Bushings	445
Sundry Parts	445
LUCAS STARTER PARTS	
Armatures	446
Yokes	450
Field Coils	451
C.E. Brackets	453
D.E. Brackets	454
I.M. Brackets	456
Solenoids	457
Drives	466
Planet Gears	478
Levers	479
Clutches	480
Brush Gears	480
Brush Sets	482
Bushings	487
Bearings	491
Repair Kits	491
Sundry Parts	491
MAGNETI MARELLI STARTER PARTS	
Armatures	496
Yokes	500

All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Content

REPLACEMENT FOR	PAGE
MAGNETI MARELLI STARTER PARTS	
Field Coils	500
C.E. Brackets	502
D.E. Brackets	503
I.M. Brackets	504
Solenoids	504
Drives	511
Planet Gears	524
Levers	526
Clutches	526
Brush Gears	527
Brush Sets	530
Bushings	533
Bearings	536
Repair Kits	536
Sundry Parts	536
MAGNETON (PAL/SKODA) STARTER PARTS	
Armatures	540
Yokes	540
Field Coils	540
D.E. Brackets	541
I.M. Brackets	541
Solenoids	541
Drives	543
Planet Gears	544
Levers	544
Clutches	544
Brush Gears	544
Brush Sets	545
Bushings	545
Bearings	546
Sundry Parts	546
MISCELLANEOUS STARTER PARTS	
Armatures	548
Field Coils	548
Solenoids	548
Drives	548
Clutches	549
Brush Sets	549
Bushings	549
MITSUBA STARTER PARTS	
Armatures	550

REPLACEMENT FOR	PAGE
MITSUBA STARTER PARTS	
D.E. Brackets	550
I.M. Brackets	550
Solenoids	550
Drives	552
Clutches	553
Brush Gears	553
Brush Sets	554
Bushings	554
Bearings	554
Sundry Parts	554
MITSUBISHI STARTER PARTS	
Armatures	556
Yokes	559
Yokes w/magnets	562
Field Coils	563
C.E. Brackets	563
D.E. Brackets	565
I.M. Brackets	570
Solenoids	571
Drives	583
Planet Gears	591
Levers	596
Clutches	598
Brush Gears	600
Brush Sets	604
Bushings	607
Bearings	612
Repair Kits	614
Sundry Parts	614
NIKKO STARTER PARTS	
Armatures	622
Yokes	623
Field Coils	623
Solenoids	624
Drives	628
Planet Gears	629
Levers	630
Brush Gears	630
Brush Sets	631
Bushings	633
Bearings	634
Sundry Parts	634

All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Content

REPLACEMENT FOR	PAGE
POONG SUNG STARTER PARTS	
D.E. Brackets	637
Solenoids	637
Drives	637
Sundry Parts	637
PRESTOLITE STARTER PARTS	
Field Coils	638
Solenoids	638
Drives	639
Brush Gears	640
Brush Sets	641
Bushings	641
PRESTOLITE UNIVERSAL PARTS	
Solenoids	643
REMY (DELCO) STARTER PARTS	
Armatures	644
Yokes	649
Yokes w/magnets	649
Field Cases	649
Field Coils	650
C.E. Brackets	655
D.E. Brackets	657
I.M. Brackets	665
Solenoids	666
Drives	681
Planet Gears	689
Levers	691
Clutches	695
Brush Gears	695
Brush Sets	700
Bushings	703
Bearings	708
Repair Kits	709
Sundry Parts	712
REMY (DELCO) DYNASTARTER PARTS	
Regulators	730
Bearings	730
REMY (DELCO) UNIVERSAL PARTS	
Solenoids	731

REPLACEMENT FOR	PAGE
ROMANIA (E/P) STARTER PARTS	
Armatures	732
Field Coils	732
Solenoids	732
Drives	732
Brush Sets	732
Bushings	732
SAWAFUJI STARTER PARTS	
Armatures	733
Yokes	734
Field Coils	734
Solenoids	734
Drives	736
Levers	737
Brush Gears	738
Brush Sets	739
Bushings	740
Sundry Parts	741
SJCE STARTER PARTS	
Armatures	742
Drives	742
Brush Sets	742
TECUMSEH STARTER PARTS	
Armatures	743
Drives	743
Brush Gears	744
Brush Sets	744
Bushings	744
UNITED TECHNOLOGIES STARTER PARTS	
Armatures	745
C.E. Brackets	746
Solenoids	747
Drives	747
Brush Sets	749
Bushings	749
Repair Kits	749
Sundry Parts	750
UNIVERSAL STARTER PARTS	
Solenoids	751

All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Content

REPLACEMENT FOR	PAGE
UNIVERSAL UNIVERSAL PARTS	
Solenoids	752
Solenoid Shutdown	754
Pull Coil Timers	755
Sundry Parts	756
VALEO STARTER PARTS	
Armatures	757
Yokes	762
Yokes w/magnets	762
Field Coils	764
C.E. Brackets	765
D.E. Brackets	766
I.M. Brackets	767
Solenoids	767
Drives	780
Planet Gears	791
Levers	794
Clutches	796
Brush Gears	797
Brush Sets	799
Bushings	804
Bearings	809
Repair Kits	810
Sundry Parts	811
VALEO DC-MOTOR PARTS	
Solenoids	818
VALEO DYNASTARTER PARTS	
Bearings	819
VALEO UNIVERSAL PARTS	
Solenoids	820
WAPSA STARTER PARTS	
Solenoids	821

REPLACEMENT FOR	PAGE

All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Content

REPLACEMENT FOR	PAGE

REPLACEMENT FOR	PAGE

All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Armatures



130059 Armature

Replacing: 1004003125; -7; -900

Servicing: 0001311001; -7; -13; -14; -16; -19; -20; -21; -23; -24; -25; -26; -27; -28; -29; -30; -31; -32; -33

V. 12, **kW.** 1.0, **Core OD** 65.00, **Shaft L.** 263.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134568.



130060 Armature

Replacing: 1004003134; -43; -901

Servicing: 0001311100; -1; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -16; -17; -18; -19; -20; -

V. 12, **kW.** 1.1, **Core OD** 65.00, **Shaft L.** 253.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134568.



130061 Armature

Replacing: 1004012406; -920; 9001082304; -21; -524; 9001184001

Servicing: 0001211207; -8; -15; -25; -27; -28; -29; -32; -37; -39; -42; -43; -46; 9000082021; -8; -33; -36; -3

V. 12, **kW.** 0.8, **Core OD** 60.00, **Shaft L.** 222.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134569.



130062 Armature

Replacing: 1004012404; -7; -17; -52; -917; 1004014104

Servicing: 0001204102; -3; -11204; -11205; -11206; -11209; -11210; -11213; -11214; -11216; -11217; -11218; -11

V. 12, **kW.** 0.8, **Core OD** 60.00, **Shaft L.** 222.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134569.



130108 Armature

Replacing: 2004002031; -6; 2004004031

Servicing: 0001208049; -51; -52; -53; -54; -55; -249; -252; -254; -255; -11986; -11988; -11989; -11995; -11996

V. 12, **kW.** 0.85, **Core OD** 60.00, **Shaft L.** 253.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134568.



130109 Armature

Replacing: 2004004012; -20; -41; -42; -43; -44

Servicing: 0001354010; -6; -21; -29; -55; -64; -77

V. 12, **kW.** 1.4, **Core OD** 73.00, **Shaft L.** 300.00, **Splines** 3
9 Volt: Cargo 133084



130110 Armature

Replacing: 2004004051

Servicing: 0001354080; -2; -8; -90; -91; -92; -93; -94; -95; -99; -100; -103; -108; -109; -113; 9000143200; -1

V. 12, **kW.** 1.8, **Core OD** 73.00, **Shaft L.** 300.00, **Splines** 10, **Rotation** CR
9 Volt: Cargo 133085



130113 Armature

Replacing: 2004004071; 2007031001

Servicing: 0001362001; -2; -3; -4; -27; -28; -29; -30; 9000143406

V. 12, **kW.** 2.4, **Core OD** 75.00, **Shaft L.** 282.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B137407.
9 Volt: Cargo 131933.



130114 Armature

Replacing: 2004004072; 2007031003

Servicing: 0001362005; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21; -22; -23; -

V. 12, **kW.** 2.4, **Core OD** 75.00, **Shaft L.** 288.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B137407.
9 Volt: Cargo 133086.



130115 Armature

Replacing: 2004004074; -95

Servicing: 0001362034; -5; -6; -7; -9; -40; -41; -42; -43; -45; -46; -48; -49; -50; -53; -55; -56; -57; -59; -

V. 12, **kW.** 2.4, **Core OD** 74.95, **Shaft L.** 290.20, **Splines** 10, **Rotation** CR
Commutator: Cargo B134574, B134575.
9 Volt: Cargo 133087.



130116 Armature

Replacing: 2004004075; 131667

Servicing: 0001362038; -47; -69; -70; -77; -78; -83; 9000143408; B001812171

V. 12, **kW.** 2.0, **Core OD** 75.00, **Shaft L.** 285.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134574, B134575.
9 Volt: Cargo 131934.



130117 Armature

Replacing: 2004004076; -91; -94; -96; 2004014053; -953; 132766; 135350

Servicing: 0001362051; -2; -63; -64; -82; -93; -96; -97; -300; -301; -302; -303; -304; -306; -309; -310; -312;

V. 12, **kW.** 2.4/2.7, **Core OD** 75.00, **Shaft L.** 313.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134574, B134575.
9 Volt: Cargo 133088.



130118 Armature

Replacing: 2004004024; -5; -81

Servicing: 0001358017; -8; -26; -35; -38; -47

V. 12, **kW.** 2.3, **Core OD** 73.00, **Shaft L.** 335.00, **Splines** 3, **Rotation** CR
Commutator: Cargo B139661.
9 Volt: Cargo 133089.



130120 Armature

Replacing: 2004005022; -46; -153; 16.360.333; 2004005037; -02

Servicing: 0001414001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -13; -14; -15; -16; -17; -18; -19; -20; -21;

V. 24, **kW.** 5.0, **Core OD** 83.00, **Shaft L.** 235.00
Commutator: Cargo B134578. Clutch housing: Cargo 231369.



130121 Armature

Replacing: 2004005051; -2; -3; -141; -904; -905; -909; -910; -917; -920; 16.360.540; -4; -6

Servicing: 0001401011; -2; -9; -23; -24; -26; -27; -28; -29; -39; -40; -41; -44; -45; -46; -47; -49; -50; -52;

V. 12, **kW.** 3.0, **Core OD** 83.00, **Shaft L.** 343.00



130122 Armature

Replacing: 1004012011; -413; -428; -449; -913; -914; -915; 2004012011

Servicing: 0001211223; -4; -55; -56; -57; -58; -992; -993; B001211114; -201

V. 12, **kW.** 0.8, **Core OD** 60.00, **Shaft L.** 217.00, **Splines** 10, **Rotation** ACR
Commutator: Cargo B134569.



130319 Armature

Replacing: 2004004061; -112; 9001140275; 16.360.326

Servicing: 0001359001; -2; -3; -4; -8; -10; -12; -13; -14; -16; -18; -19; -20; -21; -24; -25; -26; -27; -30; -

V. 12, **kW.** 3.0, **Core OD** 75.00, **Shaft L.** 335.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134573. In 9 Volt: Cargo 133515.



130320 Armature

Replacing: 2004005025; -71; -151; 16.360.068

Servicing: 0001410015; -6; -7; -8; -9; -21; -22; -23; -24; -25; -26; -29; -32; -33; -34; -35; -36; -37; -38; -

V. 24, **kW.** 5.5, **Core OD** 83.00, **Shaft L.** 270.00, **Rotation** CR
Commutator: Cargo B134577. Clutch housing: Cargo 231369.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



130321 Armature

Replacing: 2004005081; -131; -902; -908; -912; -913; -916; -919

Servicing: 0001402007; -8; -18; -31; -34; -41; -43; -50; -51; -52; -53; -54; -55; -57; -58; -59; -60; -65; -69

V. 24, **kW.** 3.0, **Core OD** 83.00, **Shaft L.** 347.00, **Rotation** CR



130360 Armature

Replacing: 9001334020; 9003334020; 17127-1; 4142225; 4202983; 4255494; 74861761; 132813

Servicing: 63220700; -32; -35; -40; -41; -43; -44; -46; -830; -833; -834; -931; -932; -940; MTS12-1; MTS12-22;

V. 12, **kW.** 0.8, **Core OD** 54.40, **Shaft L.** 250.00, **Splines** 12, **Rotation** CR
Commutator: Cargo b135710.



130994 Armature

Replacing: 1004012412; -916

Servicing: 0001211221; -2; -51; -52; -53; -54; B001211098; -204

V. 12, **kW.** 0.8, **Core OD** 60.00, **Shaft L.** 227.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134569.



131050 Armature

Replacing: 1004003140; -914

Servicing: 0001314012; -3

V. 12, **kW.** 1.5, **Core OD** 65.00, **Shaft L.** 257.00, **Splines** 10, **Rotation** ACR
Commutator: Cargo B134570. In 9 Volt: Cargo 133357.



131051 Armature

Replacing: 1004011003; 2004011032; 9001140182; 9001337082

Servicing: 0001157012; -3; -4; -5; -8; -20; -21; -22; -23; 9000141100; -1; -3; -7; -8; -11; -12; -14; 90003341

V. 12, **kW.** 0.7, **Core OD** 52.00, **Shaft L.** 222.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134581.



131063 Armature

Replacing: 1004012408; -31; -906; 1007010021; 9001334000

Servicing: 0001208200; -1; -2; -4; -6; -8; -9; -11; -16; -17; -18; -19; -20; -23; -24; -25; -26; -27; -28; -29

V. 12, **kW.** 0.85, **Core OD** 60.00, **Shaft L.** 232.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134572.



131075 Armature

Replacing: 2004004003; -5; -6; -7; -10; 2004014060; -960; -961; 9001141143; 16.360.325

Servicing: 0001367001; -2; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -20; -21; -22;

V. 12, **kW.** 3.0, **Core OD** 75.00, **Shaft L.** 337.15, **Splines** 10, **Rotation** CR
Commutator: Cargo B134580. In 9 Volt: Cargo 134285.



131116 Armature

Replacing: 2004004115; -28; -928; -968; 2004014928; 16.360.576

Servicing: 0001364100; -1; -2; -3; -4; -5; -6; -8; -200; -201; -202; -205; 9000143501; B001819002; -10; -14; -

V. 24, **kW.** 4.8, **Core OD** 75.00, **Shaft L.** 366.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B139122, B139123.



131124 Armature

Replacing: 2004004067; -114; 2004336099

Servicing: 0001360023; -5; -36; -40

V. 24, **kW.** 4.0, **Core OD** 75.00, **Shaft L.** 340.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134573.



131130 Armature

Replacing: 2004004083

Servicing: 0001358048; -9; -50; -51; B001804003

V. 12, **kW.** 3.2, **Core OD** 73.00, **Shaft L.** 332.00, **Splines** 10, **Rotation** CR

Commutator: Cargo B137407. In 9 Volt: Cargo 133090.



131311 Armature

Replacing: 2004005023; -4; 16.360.539; 137330

Servicing: 0001417001; -2; -5; -6; -7; -8; -12; -13; -14; -15; -16; -18; -19; -22; -23; -24; -25; -26; -27; -2

V. 24, **kW.** 6.6, **Core OD** 83.00, **Shaft L.** 256.00, **Rotation** CR

Commutator: Cargo B134578. Clutch housing: Cargo 231369.



131379 Armature

Replacing: 2004004118; 2004014972

Servicing: 0001363104; -5; -7; -8; -9; -10; -11; -12; -13; -14; -15; -17; -22; -24; -25; -26; -28; -30; B00181

V. 24, **kW.** 2.6, **Core OD** 75.00, **Shaft L.** 290.00, **Splines** 10, **Rotation** CR

Commutator: Cargo B233492.



131435 Armature

Replacing: 1004003151; -908

Servicing: 0001317009; -10; -14; -15; -18; -19; -20; -21; B001329010

V. 12, **kW.** 1.7, **Core OD** 65.00, **Shaft L.** 262.00, **Splines** 10, **Rotation** ACR

Commutator: Cargo B134571. In 9 Volt: Cargo 133358.



131663 Armature

Replacing: 1004003130; -3; -8; -42; -912; 9001049121; 1004003170

Servicing: 0001311042; -3006; -4001; -4002; -4005; -4006; -4009; -4010; -4011; -4014; -4015; -4017; -4018; -40

V. 12, **kW.** 1.5, **Core OD** 65.00, **Shaft L.** 263.00, **Splines** 10, **Rotation** CR

Commutator: Cargo B134570.



131665 Armature

Replacing: 2004004069

Servicing: 0001358201; -2

V. 12, **kW.** 2.5, **Core OD** 75.00, **Shaft L.** 303.00, **Splines** 10, **Rotation** CR

Commutator: Cargo B134573.



131666 Armature

Replacing: 2004006091; -101

Servicing: 0001510001; -2; -3; -4; -5; -6; -8; -9; -10; -11; -12; -13; -14; -17; -18; -19; -20; -21; -22; -23;

V. 24, **kW.** 9.0, **Core OD** 100.00, **Shaft L.** 313.00



131839 Armature

Replacing: 1004003150; -4; -907

Servicing: 0001317007; -8; -13; -22; -23; -24; -25; B001329009; -14; -44; -45

V. 12, **kW.** 1.7, **Core OD** 65.00, **Shaft L.** 263.00, **Splines** 10, **Rotation** CR

Commutator: Cargo B134571. In 9 Volt: Cargo 133510.



131935 Armature

Replacing: 9001334031; 20582-2; -5

Servicing: moa12-10; -3; MOA12-2

V. 12, **kW.** 0.6/0.7, **Core OD** 52.10, **Shaft L.** 233.30, **Splines** 12, **Rotation** CR

Commutator: Cargo b135710.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



132031 Armature

Replacing: 1004012450; 9001140339; 9003334025; -6; -8; -9; -33; -34

Servicing: 0001218002; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21;

V. 12, **kW.** 2.2, **Core OD** 50.00, **Shaft L.** 158.00, **No. of teeth** 18, **Rotation** CR
Commutator: Cargo B134579. In 9 Volt: Cargo 133953.



132143 Armature

Replacing: 1004012420; -6; -903; -912

Servicing: 0001211500; -1; -2; -3; -4; -5; -10; -11; -12; -13; -14; -15; -25; -26; -27; -28; -29; -30; -33; -3

V. 12, **kW.** 0.8, **Core OD** 59.90, **Shaft L.** 207.50, **Splines** 10, **Rotation** CR
Commutator: Cargo B134569.



132149 Armature

Replacing: 1004003148; -915

Servicing: 0001314025; -6; -7; -8; -9; -30; -32; -33; -34; -35; -36; -37; -38; -41; -42; -43; -45; B001315117;

V. 12, **kW.** 1.5, **Core OD** 64.85, **Shaft L.** 262.60, **Splines** 10, **Rotation** CR
Commutator: Cargo B134570. In 9 Volt: Cargo 133588.



132152 Armature

Replacing: 1004011004; 9001337081

Servicing: 0001157024; -5; -8; -9; -30; 9000141114; -6; 9000334102

V. 12, **kW.** 0.7, **Core OD** 51.90, **Shaft L.** 228.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134581.



132153 Armature

Replacing: 1004012421; -2; -32; -905; 9001304001; 9001334001

Servicing: 0001208501; -2; -7; -10; -13; -14; -15; -16; -17; -18; -19; -20; -21; -24; -26; -28; -705; -706; -7

V. 12, **kW.** 0.85, **Core OD** 59.90, **Shaft L.** 216.94, **Splines** 10, **Rotation** CR
Commutator: Cargo B134572.



132155 Armature

Replacing: 1004002119; -22; -24; -29; -31

Servicing: 0001208001; -3; -4; -7; -9; -11; -18; -19; -23; -24; -25; -26; -27; -29; -30; -31; -32; -33; -36; -

V. 12, **kW.** 0.8, **Core OD** 60.00, **Shaft L.** 252.60, **Splines** 10, **Rotation** CR
Commutator: Cargo B134568.

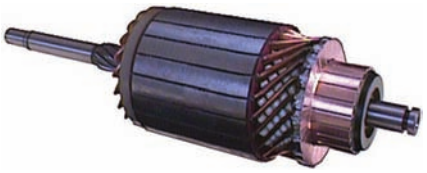


132156 Armature

Replacing: 1004003132; -9; -71; -913

Servicing: 0001314003; -4; -8; -16; -22; -31; -39; -40; -44; B001315003; -15; -28; -50; -80; -110; -132; -170;

V. 12, **kW.** 1.5, **Core OD** 64.95, **Shaft L.** 263.00, **Splines** 10, **Rotation** ACR
Commutator: Cargo B134570.



132158 Armature

Replacing: 2004004092; -952; 2004014952

Servicing: 0001362034; -5; -6; -9; -41; -42; -45; -46; -48; -49; -50; -53; -57; -59; -60; -62; -67; -71; -72;

V. 12, **kW.** 2.0/2.4/2.7, **Core OD** 75.00, **Shaft L.** 290.50, **Splines** 10, **Rotation** CR
In 9 Volt: Cargo 133098.



132159 Armature

Replacing: 2004004116

Servicing: 1363101

V. 24, **kW.** 2.1, **Core OD** 74.90, **Shaft L.** 286.90, **Splines** 10, **Rotation** CR
Commutator: Cargo B139876.



132164 Armature

Replacing: 1004003152; -909

Servicing: 0001317011; -2; -6; -7; B001329013; -29

V. 12, **kW.** 1.7, **Core OD** 64.95, **Shaft L.** 282.60, **Splines** 10, **Rotation** ACR

Commutator: Cargo B134571. In 9 Volt: Cargo 134084.



132325 Armature

Replacing: 1004012415; -29; -907; -910; 1007010018

Servicing: 0001208403; -11; -12; -14; -15; -16; -17; -18; -19; B001208133; -228; -243; -248

V. 12, **kW.** 0.95, **Core OD** 60.00, **Shaft L.** 227.50, **Splines** 10, **Rotation** ACR

Commutator: Cargo B134572.



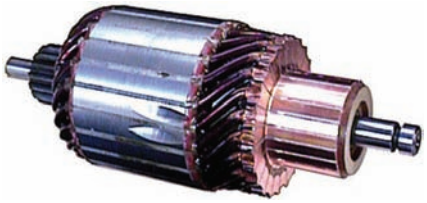
132332 Armature

Replacing: 2004004105; -926

Servicing: 0001365004; -5; -6; -7; -8; B001819001; -9; -15; -117

V. 12, **kW.** 3.7, **Core OD** 74.90, **Shaft L.** 366.10, **Splines** 10, **Rotation** CR

Commutator: Cargo B139122.



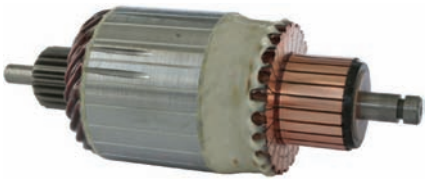
132814 Armature

Replacing: 1004011022; -5; -31; -36; -44; -47; -56; -66; -901; 230190

Servicing: 0001110001; -13; -16; -22; -23; -28; -39; -44; -52; -53; -54; -61; -62; -66; -67; -75; -78; -83; -9

V. 12, **kW.** 1.7/1.8, **Core OD** 58.80, **Shaft L.** 160.90, **No. of teeth** 15, **Rotation** CR/ACR

13 tooth: Cargo 230518. Commutator: Cargo B134602. 9V: Cargo 134887.



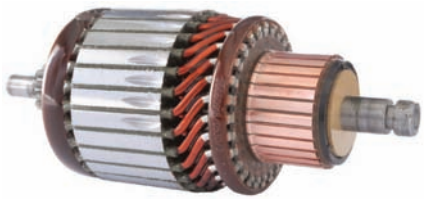
132815 Armature

Replacing: 1004001033; 1004011030; -3; -7; -8; -48; -206; 137793

Servicing: 0001110003; -5; -17; -24; -25; -26; -33; -40; -42; -47; -55; -56; -59; -60; -73; -79; -80; -81; -82

V. 12, **kW.** 1.7, **Core OD** 58.90, **Shaft L.** 163.10, **No. of teeth** 18, **Rotation** CR/ACR

Commutator: Cargo B134602. In 9 Volt: Cargo 234594.



132816 Armature

Replacing: 1004011020; -3; -4; -6; -32; -34; -51; -65; -70; -77; -85; -203

Servicing: 0001108001; -2; -3; -4; -5; -7; -9; -10; -11; -12; -13; -14; -16; -17; -18; -19; -20; -21; -22; -23

V. 12, **kW.** 1.1, **Core OD** 54.90, **Shaft L.** 138.30, **No. of teeth** 11, **Rotation** CR/ACR

Commutator: Cargo B134601.



132904 Armature

Replacing: 2004005003; -4; -61; -918; 2007010059; -61

Servicing: 0001420001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -24; -25; -26; -27; -28;

V. 24, **kW.** 7.5, **Core OD** 85.00, **Shaft L.** 428.60, **Splines** 19, **Rotation** CR/ACR



132988 Armature

Replacing: 1004011101; -11; -20; -36

Servicing: 0001112005; -6; -7; -8; -9; -12; -13; -14; -15; -16; -19; -20; -21; -22; -23; -24; -25; -32; -3001;

V. 12, **kW.** 0.8/0.9, **Core OD** 59.00, **Shaft L.** 212.00, **Splines** 10, **Rotation** CR

Commutator: Cargo B139778.



132989 Armature

Replacing: 1004011105; -12; -21; f000al1505

Servicing: 0001112003; -4; -38; -39; -3011; -3012; 9000695006; -9; B001180008

V. 12, **kW.** 0.8/0.9, **Core OD** 60.00, **Shaft L.** 212.00, **Splines** 10, **Rotation** ACR

Commutator: Cargo B132989.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



133107 Armature

Replacing: 2004002032
Servicing: 0001211997; -8; 9000042021; -7
V. 12, **kW.** 0.8, **Core OD** 59.90, **Shaft L.** 248.00, **Splines** 10, **Rotation** ACR
Commutator: Cargo B134568.



133108 Armature

Replacing: 2004011021
Servicing: 0001157001; -2; -3; -4; -5; -7
V. 12, **kW.** 0.5/0.6, **Core OD** 51.90, **Shaft L.** 222.90, **Splines** 8, **Rotation** CR
Commutator: Cargo B134600.



133160 Armature

Replacing: 1004012410; -901
Servicing: 0001212206; -7; -10; B001229004; -13
V. 12, **kW.** 0.7/0.8, **Core OD** 59.90, **Shaft L.** 221.50, **Splines** 10, **Rotation** CR
Commutator: Cargo B134569.



133209 Armature

Replacing: 1004012433; -909
Servicing: 0001208425; -6; -8; -9; B001208256
V. 12, **kW.** 0.95, **Core OD** 60.00, **Shaft L.** 237.40, **Splines** 10, **Rotation** ACR
Commutator: Cargo B134572.



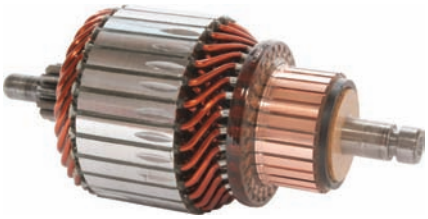
133486 Armature

Replacing: 2004005026; -155; 2005005026; 132355
Servicing: 0001413001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -17; -18; -8001; -8002; -8003;
V. 12, **kW.** 3.5/3.6, **Core OD** 83.00, **Shaft L.** 235.40
Commutator: Cargo B134578. Clutch housing: Cargo 231369.



134436 Armature

Replacing: 1004012427; -904
Servicing: 0001212400; -1; B001229200
V. 12, **kW.** 0.95, **Core OD** 60.00, **Shaft L.** 231.50, **Splines** 10, **Rotation** CR
Commutator: Cargo B134572.



134514 Armature

Replacing: 1004011039; -42; -62; -68; -86
Servicing: 0001107003; -4; -5; -6; -7; -8; -9; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21; -22; -23; -24
V. 12, **kW.** 1.1, **Core OD** 54.95, **Shaft L.** 123.00, **No. of teeth** 11, **Rotation** CR/ACR
Commutator: Cargo B137336.



134521 Armature

Replacing: 1004003153; -910
Servicing: 0001312108; -9; B001335003
V. 12, **kW.** 1.7, **Core OD** 64.90, **Shaft L.** 258.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134571.



134522 Armature

Replacing: 1004012409; -68
Servicing: 0001212204; -5; B001229003
V. 12, **kW.** 0.8, **Core OD** 60.00, **Shaft L.** 221.50, **Splines** 10, **Rotation** ACR
Commutator: Cargo B134569.



134566 Armature

Replacing: 1004012414; -924
Servicing: 0001212208; -9; -11; -12; -13; -14; 1007003; 1107001; -7; -32; -33; -93; -96; -103; -147; -150; -15
V. 12, **kW.** 0.7, **Core OD** 59.90, **Shaft L.** 221.60, **Splines** 10, **Rotation** ACR



134628 Armature

Replacing: 1004003124; 098360; ne089
Servicing: 0001312102; -4; -5; -6; -7; -11
V. 12, **kW.** 1.5, **Core OD** 65.05, **Shaft L.** 257.60, **Splines** 10, **Rotation** CR
Commutator: Cargo B134570.



134799 Armature

Replacing: 1004003919; 2004003031; -6

Servicing: 0001312100; -10; B001322002; -22

V. 12, **kW.** 1.5, **Core OD** 64.90, **Shaft L.** 256.80, **Splines** 10, **Rotation** ACR

Commutator: Cargo B134570.



135098 Armature

Replacing: 1004011104; -25

Servicing: 0001114003; -4; -8; -14; -15; -16; -17; -20; -21; -22; B001181008; -13; -26; -28; -35; -46; -47

V. 12, **kW.** 1.0, **Core OD** 59.00, **Shaft L.** 227.00, **Splines** 10, **Rotation** CR



135113 Armature

Replacing: 1004011106; -26

Servicing: 0001114005; -6; B001181007

V. 12, **kW.** 1.0, **Core OD** 58.80, **Shaft L.** 227.00, **Splines** 10, **Rotation** Anticlockwise



135114 Armature

Replacing: 1004011107; -27

Servicing: 0001114009; -10; 9000695003; B001181014

V. 12, **kW.** 1.0, **Core OD** 59.00, **Shaft L.** 249.50, **Splines** 10, **Rotation** ACR

Commutator: Cargo B134600.



135351 Armature

Replacing: 2004004037; -40; -56; -965; 2004014965

Servicing: 0001369001; -2; -3; -5; -6; -7; -11; -12; -13; -15; -16; -17; -18; -19; -21; -22; -23; -25; -200; -

V. 12, **kW.** 3.1/3.6, **Core OD** 74.90, **Shaft L.** 322.50, **Splines** 10, **Rotation** CR

Commutator: Cargo B134573.



135639 Armature

Replacing: 1004003141; -922

Servicing: 0001315002; -4; B001317004

V. 12, **kW.** 1.9, **Core OD** 65.00, **Shaft L.** 253.00, **Splines** 10, **Rotation** ACR



135842 Armature

Replacing: 9001082574; -94

Servicing: 9000082043; -4; -50; -52; -54; -55; -58; -59; -61; -63; -64; -66; -74; -78; -79; -80; -83

V. 12, **kW.** 0.95, **Core OD** 60.00, **Shaft L.** 229.00, **Splines** 10, **Rotation** CR

Commutator: Cargo B134572.



136020 Armature

Replacing: 1004011108; -13; -22

Servicing: 0001112010; -1; B001180021

V. 12, **kW.** 0.9, **Core OD** 59.00, **Shaft L.** 239.00, **Splines** 10, **Rotation** ACR



136105 Armature

Replacing: 2004004090; 2004014951

Servicing: 0001362038; -600; -601; -605; B001812171; -265; -301; -357

V. 12, **kW.** 2.3, **Core OD** 75.00, **Shaft L.** 286.75, **Splines** 10, **Rotation** CR

Commutator: Cargo B134574, B134575. In 9 Volt: Cargo 136106.



136123 Armature

Replacing: 1004012434; -902

Servicing: 0001212402; -3; B001229202

V. 12, **kW.** 0.95, **Core OD** 60.00, **Shaft L.** 231.40, **Splines** 10



136231 Armature

Replacing: 1004011041; -5; -55; -99; -902

Servicing: 0001109001; -2; -3; -6; -7; -8; -9; -11; -12; -25011; B001116001; -6; -11; -15

V. 12, **kW.** 1.6, **Core OD** 59.00, **Shaft L.** 149.00, **No. of teeth** 18

Commutator: Cargo B134602.



136245 Armature

Replacing: 9001042296

Servicing: 9000042057

V. 12, **kW.** 0.9, **Core OD** 60.00, **Shaft L.** 226.00, **Splines** 10, **Rotation** ACR

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



136783 Armature

Replacing: 1004011018; -118; -124
Servicing: 0001112029; -33; -37; -3009; -3015; B001180063; -76
V. 12, **kW.** 0.8/0.9, **Core OD** 58.95, **Shaft L.** 206.33, **Splines** 10, **Rotation** CR
Commutator: Cargo B139778.



136784 Armature

Replacing: 9003334031; -2; 137274
Servicing: 0001218162; -5; -72; -73
V. 12, **kW.** 2.2, **Core OD** 50.00, **Shaft L.** 152.00, **No. of teeth** 15, **Splines** 15
Commutator: Cargo B134579.



136986 Armature

Replacing: 2004004078; 2004014955
Servicing: 0001362085; -94; -99; -6005; -6006; -6010; -6013; -6028; -6029; 9000143204; -420; B001811032; -40;
V. 12, **kW.** 1.9/2.4, **Core OD** 75.00, **Shaft L.** 290.60, **Splines** 10, **Rotation** ACR



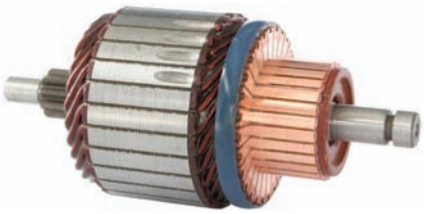
136988 Armature

Replacing: 1004011123; f000al1521
Servicing: 0001112014; -27; -28; -44; -45; -3013; -3014; B001180052
V. 12, **kW.** 0.8/0.9, **Core OD** 59.00, **Shaft L.** 224.35, **Splines** 10, **Rotation** CR
Commutator: Cargo B139778.



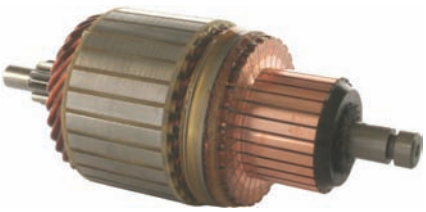
136998 Armature

Replacing: 2004004100; -925
Servicing: 0001364300; -1; -400; -402; B001841010; -2
V. 24, **kW.** 4.8/5.2, **Core OD** 75.00, **Shaft L.** 355.60, **Splines** 10, **Rotation** CR
Commutator: Cargo B139122.



137069 Armature

Replacing: 1004011046; -58; -63; -97; 139407
Servicing: 0001107010; -1; -30; -31; -32; -37; -38; -39; -48; -49; -56; -59; -64; -70; -71; -75; -77; -79; -80
V. 12, **kW.** 1.1, **Core OD** 55.00, **Shaft L.** 123.00, **No. of teeth** 9
Commutator: Cargo B137336.



137070 Armature

Replacing: 1004011043; -57; -71; -76; -91; 137892
Servicing: 0001108115; -45; -53; -57; -67; -69; -90; -96; -208; -209; -211; -212; -217; -218; -230; -231; B001
V. 12, **kW.** 1.4, **Core OD** 55.00, **Shaft L.** 138.00, **No. of teeth** 9
Commutator: Cargo B134601.



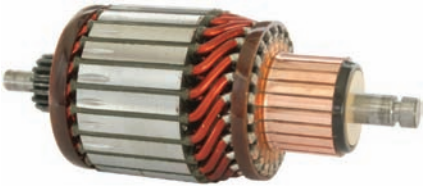
137233 Armature

Replacing: 2004004055; 2004014967
Servicing: 0001369014; -20; -24; B001828111
V. 12, **kW.** 3.1, **Core OD** 74.95, **Shaft L.** 301.00, **Splines** 10, **Rotation** CR



137264 Armature

Replacing: 1004011128
Servicing: 0001112017; B001180054
V. 12, **kW.** 0.9, **Core OD** 59.00, **Shaft L.** 205.30, **Splines** 10, **Rotation** CR
Commutator: Cargo B139778.



137284 Armature

Replacing: 1004011074; -87
Servicing: 0001109003; -17; -43; -44; -47; -49; -56; -59; -60; -64; -65; -256; -25001; -25002; -25003; -25004;
V. 12, **kW.** 2.0, **Core OD** 59.00, **Shaft L.** 148.95, **No. of teeth** 16
Commutator: Cargo B134602.



137479 Armature

Replacing: 9003334027; -30; -37
Servicing: 9000331201; -3
V. 12, **kW.** 1.9, **Core OD** 50.00, **Shaft L.** 158.00, **No. of teeth** 10, **Rotation** Clockwise
Commutator: Cargo B134579.



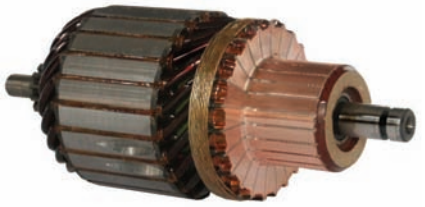
137482 Armature

Replacing: 1004011133; -8; -43; f000al1321
Servicing: 0001112035; -41; -3010; -3017; F004A95002
V. 12, **kW.** 0.8/0.9, **Core OD** 59.00, **Shaft L.** 201.85, **Splines** 10, **Rotation** CR
Commutator: Cargo B139778.



137786 Armature

Replacing: 1004003122
Servicing: 0001313003; -4; -5; -7
V. 12, **kW.** 1.1, **Core OD** 65.00, **Shaft L.** 262.55, **Splines** 10, **Rotation** CR
Commutator: Cargo B134570.



137893 Armature

Replacing: 1004011072; -88; f010al1014; 1004011220
Servicing: 0001109014; -8; -25; -26; -28; -29; -30; -31; -33; -34; -35; -36; -40; -41; -42; -46; -48; -57; -58
V. 12, **kW.** 1.8/2.0, **Core OD** 59.00, **Shaft L.** 149.00, **No. of teeth** 13
11 tooth: Cargo 230371. Commutator: Cargo B134602.



138254 Armature

Replacing: 9003334024
Servicing: 0001219001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -17; 9000332401; -2; -5;
V. 24, **kW.** 2.5, **Core OD** 50.00, **Shaft L.** 158.00, **No. of teeth** 18



138258 Armature

Replacing: 1104013436; -952
Servicing: 0101302083; -4; -107; -108; -4005; -4006
V. 12, **Core OD** 65.00, **Shaft L.** 273.65



138330 Armature

Replacing: 1004003155; -7; -76; -916; -918
Servicing: 0001314046; -7; -9; B001315184; -6
V. 12, **kW.** 1.5, **Core OD** 65.25, **Shaft L.** 271.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134570.



138334 Armature

Replacing: 1004003137; -904
Servicing: 0001311115; -34; -35; -38; B001311048; -75; -102; -148
V. 12, **kW.** 1.1, **Core OD** 65.00, **Shaft L.** 252.00, **Splines** 10, **Rotation** ACR



138674 Armature

Replacing: 1004011040; -54
Servicing: 0001110063; -8; B001117150; -5
V. 12, **kW.** 1.7, **Core OD** 59.00, **Shaft L.** 163.60, **No. of teeth** 11, **Rotation** ACR



138848 Armature

Replacing: 9001083327
Servicing: 9000083027; -8; -53; -54; -55; -56; -57; -58; -59; -60; -61; -62; -67; -71; -74; -75; -77; -78; 900
V. 12, **kW.** 3.0, **Core OD** 73.00, **Shaft L.** 330.15, **Splines** 10, **Rotation** CR



138849 Armature

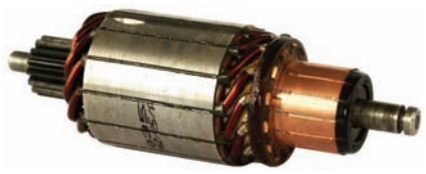
Replacing: 9001083498
Servicing: 9000083043; -5; -63; -64; -65; -66; -68; -73; -76; 9000453075; -7; -9; -86; -88
V. 24, **kW.** 4.0, **Core OD** 73.00, **Shaft L.** 330.00, **Splines** 10, **Rotation** CR



139404 Armature

Replacing: 1004011080; -202; -205
Servicing: 0001110017; -26; -79; -89; -95; -114; -126; -127; -128; -129; -136; -137; -138; -139; -24007; -2400
V. 12, **kW.** 1.8, **Core OD** 59.00, **Shaft L.** 159.85, **No. of teeth** 16, **Rotation** CR/ACR
Commutator: Cargo B134602.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



139501 Armature

Replacing: 9003334036

Servicing: 1218166

V. 12, **kW.** 2.2, **Core OD** 50.00, **Shaft L.** 158.00, **No. of teeth** 15

Commutator: Cargo B134579.

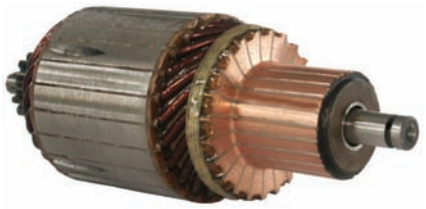


139504 Armature

Replacing: 1004002130

Servicing: 1214002

V. 12, **kW.** 0.75, **Core OD** 60.00, **Shaft L.** 253.00, **Splines** 10, **Rotation** ACR



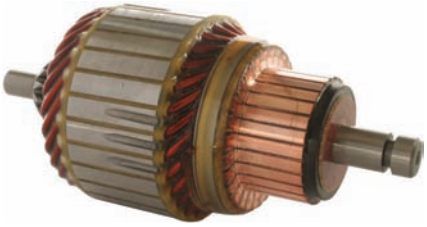
139657 Armature

Replacing: 9003334039; 6033AD4080; -13; 6033ad0285

Servicing: 0001231001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -16; -17; -18; -19; -23; -26;

V. 24, **kW.** 4.0, **Core OD** 60.00, **Shaft L.** 169.00, **No. of teeth** 16, **Rotation** CR

Commutator: Cargo B232979.



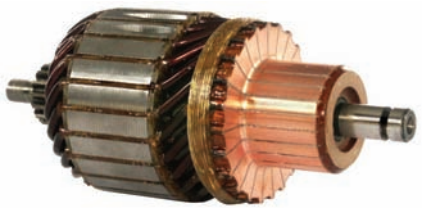
139658 Armature

Replacing: 1004011083; -96

Servicing: 0001107010; -48; -72; -96; -107; -21006; -21007; -21008; -21009; -21010; -21011; -21016; -21017; -2

V. 12, **kW.** 1.1, **Core OD** 55.00, **Shaft L.** 123.00, **No. of teeth** 14

Commutator: Cargo B137336.



139703 Armature

Replacing: 1004011082

Servicing: 0001125501; -2; -3; -4; -7; -8; -11; -12; -13; -14; -17; -18

V. 12, **kW.** 2.0, **Core OD** 60.00, **Shaft L.** 143.00, **No. of teeth** 16

Commutator: Cargo B134602.



139704 Armature

Replacing: 1004011090

Servicing: 0001109021; -2; -66; -67; -202; -203; -265; -266; -302; -303

V. 12, **kW.** 2.0, **Core OD** 60.00, **Shaft L.** 149.00, **No. of teeth** 9

Commutator: Cargo B134602.

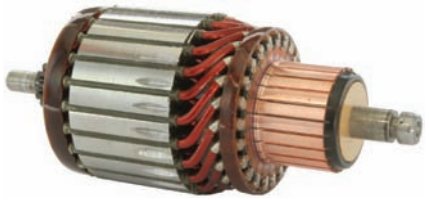


230193 Armature

Replacing: 1004003135; -902

Servicing: 0001311050; -1; -2; -3; -4; -5; B001324002; -3; -4; -7; -8

V. 12, **kW.** 1.0/1.35, **Core OD** 65.00, **Shaft L.** 263.00, **Splines** 10



230371 Armature

Replacing: 1004011208

Servicing: 0001109015; -23; -45; -52; -55; -62; -68; -201; -202; -203; -205; -250; -258; -259; -260; -261; -30

V. 12, **kW.** 2.1, **Core OD** 59.00, **Shaft L.** 149.00, **No. of teeth** 11, **Rotation** CR

13 tooth: Cargo 230518. Commutator: Cargo B134602.



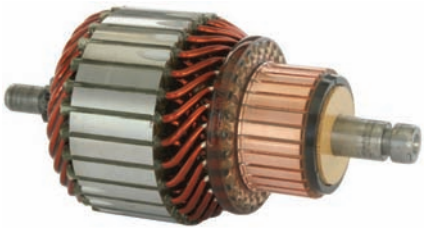
230518 Armature

Replacing: 1004011067; -207

Servicing: 0001110030; -41; -48; -71; -72; -100; -110; -112; -113; -24015; -24020; -24021; -24024; B001117153;

V. 12, **kW.** 1.7/1.8, **Core OD** 59.00, **Shaft L.** 160.00, **No. of teeth** 13

15 tooth: Cargo 132814.



231065 Armature

Replacing: 1004011089

Servicing: 0001106011; -2; -5; -6; -7; -8; -9; -22; -23; -24; -15006; 6004aa0003

V. 12, **kW.** 0.9, **Core OD** 55.15, **Shaft L.** 115.50, **No. of teeth** 9, **Rotation** CR/ACR

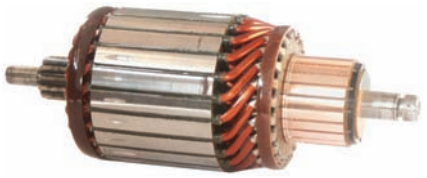
Commutator: Cargo B137336.



231123 Armature

Replacing: 9001043255

V. 12, **Core OD** 65.00, **Shaft L.** 241.00, **Splines** 10



231260 Armature

Replacing: 1007010119

Servicing: 1110132

V. 12, **kW.** 1.8, **Core OD** 59.00, **Shaft L.** 160.00, **Splines** 11



231272 Armature

Replacing: 2004014028

Servicing: 0001371004; -5; -6; -7; -8; -9; -10; -12; -13; -14; -15; -16; -17; -18; -19; -20

V. 24, **kW.** 6.7, **Core OD** 75.00, **Shaft L.** 393.30, **No. of teeth** 19, **Rotation** CR

Commutator: Cargo B233965.



231493 Armature

Replacing: 2004014034

Servicing: 0001372001; -2; -3; -4; -5; -6; -7; -8

V. 24, **kW.** 6.2, **Core OD** 75.00, **Shaft L.** 369.40, **No. of teeth** 19, **Rotation** CR

Commutator: Cargo B232976.



231985 Armature

Replacing: 2004004008; 2004014962

Servicing: 0001367061; B001816377

V. 12, **kW.** 3.0, **Core OD** 75.00, **Shaft L.** 337.00, **Splines** 10, **Rotation** ACR



233475 Armature

Replacing: 6033ad0010; -436; 6033ad1059

Servicing: 0001223001; -2; -3; -4; -7; -8; -9; -10; -11; -12; -16; -21; -22; -24; -500; -501; -502; -503; -504

V. 12, **kW.** 2.3, **Core OD** 58.00, **Shaft L.** 145.00, **No. of teeth** 14

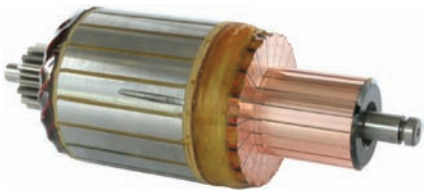


233502 Armature

Replacing: 1104012914

Servicing: 0101206064; -116; -117

V. 12, **Core OD** 56.00, **Shaft L.** 246.60

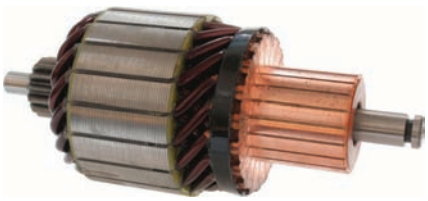


233585 Armature

Replacing: 6033ad0121; 6003ad0121; 6033ad3018

Servicing: 0001230001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -18; -20; -21; -22;

V. 12, **kW.** 3.0, **Core OD** 60.00, **Shaft L.** 170.00, **No. of teeth** 16



233698 Armature

Replacing: 6033ad0446; 6033ad1061; -104

Servicing: 0001223013; -4

V. 12, **kW.** 2.3, **Core OD** 58.00, **Shaft L.** 140.00, **No. of teeth** 14



233715 Armature

Replacing: 1004011084

Servicing: 0001115005; -6; -9; -11; -13; -35; -45; -46; F002G20568; -697; -715

V. 12, **kW.** 1.7, **Core OD** 55.00, **Shaft L.** 146.00, **No. of teeth** 11, **Splines** 11



233959 Armature

Replacing: 2004005005; 2007010058; -65

Servicing: 0001421001; -2; -3; -4; -6; -7; -8; -9; -10; -14; -15; B001421002; -7; -8; -9; -14; -19; -21; -23

V. 12, **kW.** 5.5, **Core OD** 85.00, **Shaft L.** 429.00, **Splines** 19

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



234022 Armature

Replacing: 1004011092; -73

Servicing: 0001115001; -2; -7; -8; -12; -15; -16; -17; -20; -21; -22; -23; -24; -25; -31; -32; -39; -40; -41;

V. 12, **kW.** 1.7, **Core OD** 55.00, **Shaft L.** 146.00, **Splines** 9

Commutator: Cargo B234460.



234023 Armature

Replacing: 1004011137

Servicing: 1116001

V. 12, **kW.** 0.7, **Core OD** 59.00, **Shaft L.** 179.00, **Splines** 10

Commutator: Cargo B234459.



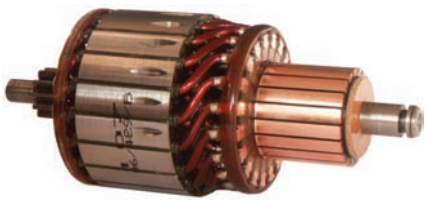
234166 Armature

Replacing: 1004011211

Servicing: 0001110132; F000AL0108

V. 12, **kW.** 1.8, **Core OD** 59.00, **Shaft L.** 160.00, **Splines** 11

Commutator: Cargo B134602.



234244 Armature

Replacing: 6033ad0206; 6033AD1107

Servicing: 0001223005; -6

V. 12, **kW.** 2.3, **Core OD** 58.00, **Shaft L.** 140.00, **No. of teeth** 11, **Splines** 11



234609 Armature

Replacing: 1004002116

Servicing: 0001207001; -5; AL/EEF0.5/6; AL/EEF0.5/6L1

V. 6



234610 Armature

Replacing: 2004002021

Servicing: 0001212005; -6; -7; -8; -12; -13

V. 12, **kW.** 0.8, **Core OD** 60.00, **Shaft L.** 249.00, **Splines** 10

Commutator: Cargo B134568.

234817 Armature

Replacing: 2004004110; -927

Servicing: 0001364203; -4; -6; B001819202; -6; -12

V. 24, **kW.** 5.2, **Core OD** 74.90, **Shaft L.** 366.00, **Splines** 11



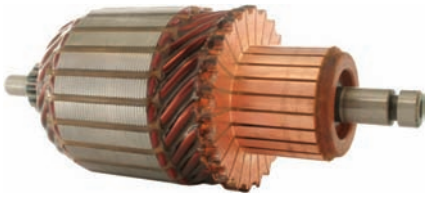
234895 Armature

Replacing: 1004001142; 1004011139; -42

Servicing: 0001116003; -6; -8; -9

V. 12, **kW.** 0.7, **Core OD** 59.00, **Shaft L.** 188.80, **Splines** 10, **Rotation** CR

Commutator: Cargo B234459.

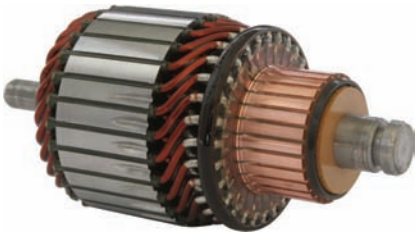


235212 Armature

Replacing: 1004011216

Servicing: 0001115042; -56; -57; -82; -83; -23004; -23005; -23012; -23013; -23014; -23015; -23016; -23017; -23

V. 12, **kW.** 1.4/1.7, **Core OD** 55.00, **Shaft L.** 145.50, **No. of teeth** 14, **Splines** 14, **Rotation** ACR



235324 Armature

Replacing: 1004011212

Servicing: 0001107401; -4; -5; -8; -11; -15; -23; -24; -25; -26; -29; -30; -31; -32; -33; -34; -35; -37; -38;

V. 12, **kW.** 1.1, **Core OD** 52.00, **Shaft L.** 114.00, **No. of teeth** 9

Used w/ gear: Cargo 235025.



238108 Armature

Replacing: 1004011217; -35

Servicing: 0001108400; -9; -10; -20; -21; -50; -51; -22400; -22401; -22402; -22403

V. 12, **kW.** 1.4, **Core OD** 52.10, **Shaft L.** 128.60, **No. of teeth** 11, **Rotation** CR

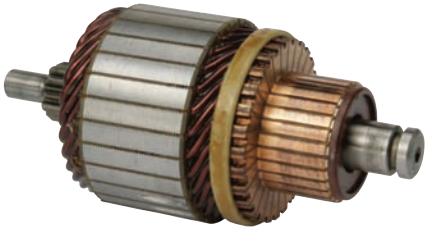


239760 Armature

Replacing: 1004011201; -059; -098

Servicing: 0001110001; -2; -4; -7; -8; -9; -10; -11; -18; -27; -29; -30; -31; -32; -41; -48; -49; -52; -61; -6

V. 12, **kW.** 1.7/1.8, **Core OD** 59.00, **Shaft L.** 160.00, **No. of teeth** 15



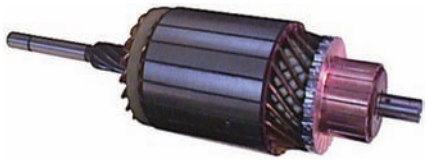
330084 Armature

Replacing: 1004011210

Servicing: 0001107402; -3; -6; -7; -9; -10; -17; -18; -21; -22; -27; -28; -36; -46; -47; -99; -500; -501; -502

V. 12, **kW.** 1.2, **Core OD** 52.29, **Shaft L.** 113.45, **No. of teeth** 11, **Rotation** CR

9 Volt



131933 Armature

V. 9, **kW.** 2.4, **Core OD** 75.00, **Shaft L.** 282.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B137407. In 12 Volt: Cargo 130113.



131934 Armature

Replacing: 133359; 131934

V. 9, **kW.** 2.0, **Core OD** 75.00, **Shaft L.** 285.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134574, B134575. In 12 Volt: Cargo 130116.



133084 Armature

Servicing: 0001354004; -5; -18; -27; -31; -77; -79; -85; EJD1,8/12R29; -31; -70

V. 9, **kW.** 1.4, **Core OD** 72.90, **Shaft L.** 300.20, **Splines** 3, **Rotation** CR
In 12 Volt: Cargo 130109.



133085 Armature

V. 9, **kW.** 1.8, **Core OD** 73.00, **Shaft L.** 300.00, **Splines** 10, **Rotation** CR
In 12 Volt: Cargo 130110.



133086 Armature

V. 9, **kW.** 2.4, **Core OD** 75.00, **Shaft L.** 287.60, **Splines** 10, **Rotation** CR
Commutator: Cargo B137407. In 12 Volt: Cargo 130114.



133087 Armature

V. 9, **kW.** 2.4, **Core OD** 75.00, **Shaft L.** 290.20, **Splines** 10, **Rotation** CR
Commutator: Cargo B134574, B134575. In 12 Volt: Cargo 130115.



133088 Armature

Replacing: 133426; -088

V. 9, **kW.** 2.4/2.7, **Core OD** 75.00, **Shaft L.** 312.60, **Splines** 10, **Rotation** CR
Commutator: Cargo B134574, B134575. In 12 Volt: Cargo 130117.



133089 Armature

V. 9, **kW.** 2.3, **Core OD** 72.90, **Shaft L.** 334.60, **Splines** 3, **Rotation** CR
In 12 Volt: Cargo 130118.



133090 Armature

V. 9, **kW.** 3.2, **Core OD** 73.00, **Shaft L.** 332.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B137407. In 12 Volt: Cargo 131130.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



133098 Armature

V. 9, **kW.** 2.0/2.4/2.7, **Core OD** 75.00, **Shaft L.** 290.20, **Splines** 10, **Rotation** CR
In 12 Volt: Cargo 132158.



133357 Armature

V. 9, **kW.** 1.5, **Core OD** 64.95, **Shaft L.** 256.80, **Splines** 10, **Rotation** ACR
Commutator: Cargo B134570. In 12 Volt: Cargo 131050.



133358 Armature

V. 9, **kW.** 1.7, **Core OD** 64.90, **Shaft L.** 262.00, **Splines** 10, **Rotation** ACR
Commutator: Cargo B134571. In 12 Volt: Cargo 131435.



133510 Armature

V. 9, **kW.** 1.7, **Core OD** 64.90, **Shaft L.** 263.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134571. In 12 Volt: Cargo 131839.



133515 Armature

V. 9, **kW.** 3.0, **Core OD** 75.00, **Shaft L.** 334.10, **Splines** 10, **Rotation** CR
Commutator: Cargo B134573. In 12 Volt: Cargo 130319.



133588 Armature

V. 9, **kW.** 1.5, **Core OD** 64.90, **Shaft L.** 262.40, **Splines** 10, **Rotation** CR
Commutator: Cargo B134570. In 12 Volt: Cargo 132149.



133953 Armature

V. 9, **kW.** 2.2, **Core OD** 50.00, **Shaft L.** 158.00, **No. of teeth** 18
Commutator: Cargo B134579. In 12 Volt: Cargo 132031.



134084 Armature

V. 9, **kW.** 1.7, **Core OD** 64.95, **Shaft L.** 282.50, **Splines** 10, **Rotation** ACR
Commutator: Cargo B134571. In 12 Volt: Cargo 132164.



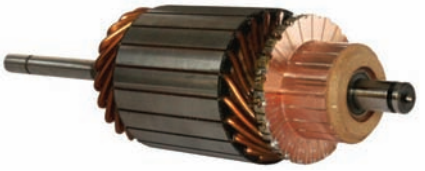
134285 Armature

V. 9, **kW.** 3.0, **Core OD** 75.00, **Shaft L.** 337.15, **Splines** 10, **Rotation** CR
Commutator: Cargo B134580. In 12 Volt: Cargo 131075.



134887 Armature

V. 9, **kW.** 1.7/1.8, **Core OD** 58.90, **Shaft L.** 160.90, **No. of teeth** 15, **Rotation** CR/ACR
Commutator: Cargo B134602.



136106 Armature

V. 9, **kW.** 2.3, **Core OD** 75.00, **Shaft L.** 285.00, **Splines** 10, **Rotation** CR
In 12 Volt: Cargo 136105.



234594 Armature

V. 9, **kW.** 1.7, **Core OD** 60.00, **Shaft L.** 163.00, **No. of teeth** 18
In 12 Volt: Cargo 132815.

24 Volt



130119 Armature

Replacing: 2004004062; -111; 16.360.322

Servicing: 0001360002; -4; -5; -7; -8; -9; -10; -12; -13; -16; -17; -18; -19; -20; -24; -26; -27; -29; -30; -3

V. 24, **kW.** 4.0, **Core OD** 75.00, **Shaft L.** 334.00, **Splines** 10, **Rotation** CR

Commutator: Cargo B134573. In 18 Volt: Cargo 137286.



131309 Armature

Replacing: 2004004032; -3; -5; -6; -8; 2004014075; -975; 16.360.324

Servicing: 0001367301; -8001; -8002; -8003; -8004; -8005; -8006; -8007; -8008; -8009; -8010; -8011; -8012; -80

V. 24, **kW.** 4.0, **Core OD** 75.15, **Shaft L.** 337.70, **Splines** 10, **Rotation** CR

Commutator: Cargo B134573. In 18 Volt: Cargo 137287.

Various



137286 Armature

Servicing: 0001359120; -60002; -60004; -60005; -60007; -60008; -60015; -60016; -60017; -60018; -60019; -60020;

V. 18, **kW.** 4.0, **Core OD** 75.00, **Shaft L.** 334.00, **Splines** 10, **Rotation** CR

Commutator: Cargo B134573. In 12 Volt: Cargo 130319.



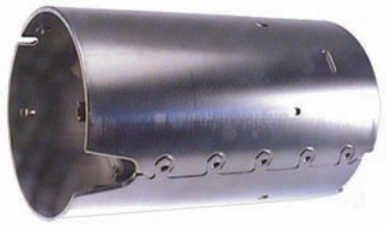
137287 Armature

Servicing: 0001368001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -18; -19; -20; -21;

V. 18, **kW.** 4.0, **Core OD** 75.00, **Shaft L.** 337.10, **Splines** 10, **Rotation** CR

Commutator: Cargo B134573. In 24 Volt: Cargo 131309.

Yokes



137620 Field Case

Replacing: 1005001934; -97

Servicing: 0001123003; -4001; -4002; -4003; -4004; -4005; -4006; -4007; -4008; -4011; -4012; -4013; -4014; -40

V. 12, **kW.** 1.8, **O.D.** 78.00, **L.** 135.00, **Brush gear** w/o, **Magnets** With

---



137621 Yoke Assy

Replacing: 1005001950; 9001081020

Servicing: 0001112005; -6; -7; -8; -9; -12; -13; -14; -15; -16; -19; -20; -23; -24; -25; -27; -28; -29; -32; -

V. 12, **kW.** 0.9, **O.D.** 78.25, **L.** 99.45, **Brush gear** w/o, **Magnets** With

---



137622 Yoke Assy

Replacing: 1005001976; -49

Servicing: 0001125001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -16; -17; -18; -19; -21; -22; -31;

V. 12, **kW.** 1.8/2.0, **O.D.** 78.20, **L.** 124.60, **Brush gear** w/o, **Magnets** With

---



139697 Yoke Assy

Replacing: 6033ad0128; 6033ad4064; -96; -107; 6033a4093; -6; -8; 6033ad0151; 6033ad4108; -092; -9

Servicing: 0001231001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -17; -18; -19; -23; -26; -27;

V. 24, **kW.** 4.0, **O.D.** 95.30, **L.** 121.00, **Brush gear** w/o, **Magnets** w/o

---



230993 Yoke Assy w/Brush Gear

Replacing: 6033ad0058; -160; -225; 6033AD1251

Servicing: 0001223002; -4; -8; -16; -21; -22

V. 12, **kW.** 2.3, **O.D.** 85.65, **L.** 96,3, **Brush gear** With, **Magnets** w/o

---

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



231642 Field Case

Replacing: 1005001987; -90; 233476
Servicing: 0001106011; -2; -4; -5; -7; -8; -9; -22; -23; -24
V. 12, **kW.** 0.9/1.0, **O.D.** 74.00, **L.** 90.95, **Brush gear** w/o, **Magnets** With



231652 Yoke/Brush Gear Assy

Replacing: 6033ad0311; 6033AD1110; -248
Servicing: 1223013
V. 12, **kW.** 2.3, **O.D.** 85.65, **L.** 92.20, **Brush gear** With, **Magnets** With



233477 Field Case

Replacing: 6033ad0165; 6033ad3019; 6033ad0167; 6033ad3149; -32; -91; 233600; 6033ad3281; -192
Servicing: 0001230001; -2; -3; -5; -6; -7; -8; -9; -10; -11; -12; -14; -18; -20; -21; -22; -23; -24; -25; -26;
V. 12, **kW.** 3.0, **O.D.** 113.10, **L.** 141.95, **Brush gear** With, **Magnets** w/o
Field case only: Cargo 234193.



235134 Field Case

Servicing: 0001360061; -3
O.D. 113.00, **L.** 137.00, **Brush gear** w/o, **Magnets** w/o



235423 Field House

O.D. 93.50, **L.** 75.00



235572 Yoke

Replacing: 1005001808
Servicing: 0001109250; -2; -3; -6; -8; -9; -60; -61; -62; -63; -64; -65; -66; -67; -68; -69; -70; -71; -72; -7

12 V. 2.2 kW

330031 Field Case

Replacing: 6033AD3283
Servicing: 0001230002; -3; -4; -5; -6
V. 12, **kW.** 3.0, **O.D.** 113.10, **L.** 141.95

Yokes w/magnets



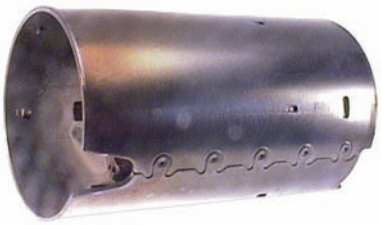
137308 Field Case

Replacing: 1005001953; f000al1027; f00mal1149
Servicing: 0001112021; -2; -3001; -3002; -3003; -3004; -3005; -3006; -3007; -3008; -3009; -3010; -3013; -3014;
V. 12, **kW.** 0.8/0.9, **O.D.** 78.50, **L.** 99.65, **Brush gear** w/o, **Magnets** With



137619 Field Case

Replacing: 1005001923; -31
Servicing: 0001107009; -12; -13; -15; -19; -25; -26; -30; -33; -34; -43; -44; -45; -47; -56; -62; -63; -66; -7
V. 12, **kW.** 1.0/1.2, **O.D.** 74.00, **L.** 98.60, **Brush gear** w/o, **Magnets** With



137729 Field Case

Replacing: 1005001905; -78
Servicing: 0001110003; -4; -5; -7; -8; -11; -12; -13; -19; -22; -23; -24; -25; -27; -42; -43; -44; -45; -46; -
V. 12, **kW.** 1.7/1.8, **O.D.** 79.00, **L.** 135.00, **Brush gear** w/o, **Magnets** With



137895 Field Case

Replacing: 1005001913; -85
Servicing: 0001110047; -59; -60; -61; -62; -69; -70; -73; -76; -77; -80; -81; -84; -85; -86; -87; -98; -99; -1
V. 12, **kW.** 1.7/1.8, **O.D.** 78.20, **L.** 135.10, **Brush gear** w/o, **Magnets** With



137896 Field Case

Replacing: 1005001925; -82

Servicing: 0001107014; -5; -6; -7; -8; -27; -28; -29; -31; -32; -41; -44; -45; -48; -49; -54; -55; -63; -64; -

V. 12, **kW.** 1.1, **O.D.** 74.40, **L.** 98.70, **Brush gear** w/o, **Magnets** With



137897 Field Case

Replacing: 1005001943; -826; -843; -8

Servicing: 0001109015; -8; -26; -28; -34; -40; -52; -55; -57; -58; -62; -63; -64; -65; -66; -67; -68; -202; -2

V. 12, **kW.** 1.8/2.0, **O.D.** 78.25, **L.** 124.65, **Brush gear** w/o, **Magnets** With

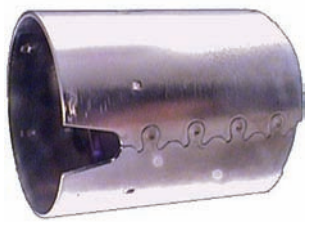


137898 Field Case

Replacing: 1005001979

Servicing: 1107059

V. 12, **kW.** 1.1, **O.D.** 74.00, **L.** 98.50, **Brush gear** w/o, **Magnets** With



137919 Field Case

Replacing: 1005001952; 9001081095

Servicing: 0001112003; -4; -34; -36; -38; -39; 9000081010; B001180008; -41

V. 12, **kW.** 0.9, **O.D.** 78.50, **L.** 99.55, **Brush gear** w/o, **Magnets** With



138323 Field Case

Replacing: 1005001942

Servicing: 0001109014; -7; -21; -22; -25; -30; -31; -33; -35; -36; -41; -42; -43; -45; -46; -48; -49; -56; -61

V. 12, **kW.** 1.6/2.0/2.1, **O.D.** 78.20, **L.** 124.60, **Brush gear** w/o, **Magnets** With

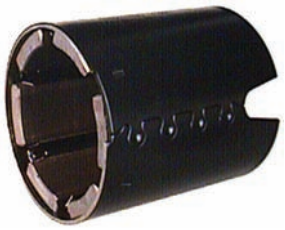


139546 Field Case

Replacing: 1005001926

Servicing: 0001107011; -39; B001110092

V. 12, **kW.** 1.1, **O.D.** 74.00, **L.** 98.55, **Brush gear** w/o, **Magnets** With



139551 Field Case

Replacing: 1005001962

Servicing: 0001116001; -3; -5; -6; -8; -9

V. 12, **kW.** 0.7, **O.D.** 78.00, **L.** 89.00, **Brush gear** w/o, **Magnets** With



139574 Field Case

Replacing: 1005001946; 1005851066; 1005001832

Servicing: 0001107038; -15001; -15002; -15005; -15006; -15007; -15008; -15009; -15012; -15015; -15020; -15021;

V. 12, **kW.** 1.7, **O.D.** 74.00, **L.** 120.00, **Brush gear** w/o, **Magnets** With



230076 Field Case

Replacing: 1005001921; -02

Servicing: 0001107003; -4; -5; -6; -7; -8; -20; -21; -22; -23; -24; -40; -46; -52; -53; -58; -60; -61; -80; -8

V. 12, **kW.** 1.1, **O.D.** 74.00, **L.** 98.50, **Brush gear** w/o, **Magnets** With



230231 Field Case

Replacing: 1005001938

Servicing: 0001110104; -10; -26; -27; -28; -29; -32; F000AL0108

V. 12, **kW.** 1.8, **O.D.** 78.00, **L.** 135.15, **Brush gear** w/o, **Magnets** With



230232 Field Case

Replacing: 1005001980

Servicing: 0001125501; -2; -3; -4; -7; -8; -11; -12; -13; -14; -17; -18

V. 12, **kW.** 2.0, **O.D.** 78.30, **L.** 119.55, **Brush gear** w/o, **Magnets** With



230233 Field Case

Replacing: 1005001981

Servicing: 0001121006; -7; -8; -9; -10; -11; -16; -17; -18; -19; -22; -23; -24; -25; -26; -27; -28; -29

V. 12, **kW.** 1.1, **O.D.** 74.00, **L.** 98.55, **Rotation** ACR, **Brush gear** w/o, **Magnets** With

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



230642 Field Case

Replacing: 1005001955
Servicing: 0001112010; -1; B001180021
V. 12, **kW.** 0.9, **O.D.** 79.30, **L.** 103.80, **Brush gear** w/o, **Magnets** With



233572 Field Case

Replacing: 1005001812; -999
Servicing: 0001107401; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -15; -17; -18; -21; -22; -23; -24; -25; -26;
V. 12, **kW.** 1.1, **O.D.** 70.00, **L.** 93.85, **Brush gear** w/o, **Magnets** With



233663 Field Case

Replacing: 1005001904
Servicing: 0001110001; -2; -9; -10; -14; -15; -18; -31; -32; -33; -57; -58; -61; -62; -84; -85; -133; -134; B0
V. 12, **kW.** 1.7/1.8, **O.D.** 79.55, **L.** 135.00, **Brush gear** w/o, **Magnets** With



234384 Field Case

Replacing: 1005001807
Servicing: 0001107094; -5; -105; -106; -9094; -9095; -9105; -9106
V. 12, **kW.** 1.1, **O.D.** 74.00, **L.** 98.50, **Brush gear** w/o, **Magnets** With



234392 Yoke

Replacing: 6033ad0209; 6033AD1109; -254
Servicing: 0001223005; -6; -13
V. 12, **kW.** 2.3, **O.D.** 85.65, **L.** 93.95, **Brush gear** With, **Magnets** With



234735 Field Case

Replacing: 1005001940; -7
Servicing: 0001108123; -5; -8; -34; -35; -43; -60; -62; -66; -73; -74; -75; -80; -81; -82; -83; -84; -86; -89;
V. 12, **kW.** 1.4, **O.D.** 74.00, **L.** 112.55, **Brush gear** w/o, **Magnets** With

Field Cases



234054 Field House

L. 77.00



234193 Housing

L. 142.00



234194 Housing

O.D. 110.00, **L.** 168.00



234195 Housing

L. 135.00



234507 Field Case

Servicing: 0001417005; -6; -42; -64; -73; -74
O.D. 128.00, **L.** 157.00, **Brush gear** w/o, **Magnets** w/o



234508 Field Case

O.D. 116.00, **L.** 157.00, **Brush gear** w/o, **Magnets** w/o



234509 Field Case

O.D. 116.00, **L.** 127.00

Field Coils



130065 Field Coil

Replacing: 1004112532; -5; -40; -42; -48
Servicing: 0001211204; -5; -6; -7; -8; -9; -10; -13; -14; -15; -16; -17; -18; -19; -20; -25; -27; -28; -29; -3
V. 12, **kW.** 0.8



130076 Field Coil

Replacing: 1104103007; -8
Servicing: 0101302111; -2; -8
V. 12, **Amp.** 30, **H.** 111.00, **Brush gear** w/o
Pole shoe: 5.50 mm.



130124 Field Coil

Replacing: 1004112537; 2004112004
Servicing: 0001211200; -1; -21; -22; -41; -992; -993; -2208; -2209; B001211098; -163; -29009
V. 12, **kW.** 0.8, **H.** 75.40, **Brush gear** w/o



130125 Field Coil

Replacing: 1004112529; -34; 2004112003; -5
Servicing: 0001208040; -51; -52; -53; -54; -252; -254; -11005; -11986; -11987; -11988; -11989; -11991; -11995;
V. 12, **kW.** 0.6, **H.** 92.00, **Brush gear** w/o



130126 Field Coil

Replacing: 2004114163; -5; -6; -224; -231; 2007010042
Servicing: 0001360002; -4; -5; -7; -8; -9; -10; -12; -13; -15; -16; -17; -18; -19; -22; -23; -24; -25; 9000143
V. 24, **kW.** 4.0, **H.** 123.00, **Brush gear** w/o



130127 Field Coil

Replacing: 2004114168; 16.905.384
Servicing: 0001359101; -60004; -60005; -60020; -60026; -60027; -60029; -60030; -60031; -60032; -60033; -60034;
V. 24, **kW.** 4.0, **H.** 127.00, **Brush gear** w/o



130128 Field Coil

Replacing: 2004114169; 16.905.391
Servicing: 0001359002; -3; -31; -33; -35; -50; -53; -54; -55; -56; -57; -58; -59; -60; -61; -62; -63; -64; -65
V. 12, **kW.** 3.0, **H.** 133.50, **Brush gear** w/o



130130 Field Coil

Replacing: 2004115036; 2004125000; -4; -5; -6; -7; -8; -9; -29; -30; -31; -36; -52; 9920328; -661; 18.500.044
Servicing: 0001410015; -6; -7; -8; -9; -21; -22; -23; -24; -25; -26; -29; -32; -33; -34; -35; -36; -37; -38; -
V. 24, **kW.** 5.5/6.5, **H.** 152.25, **Brush gear** w/o
Long.



130131 Field Coil

Replacing: 2004125075; -8; -80
Servicing: 0001413017; -4001; -4002; -4003; -4004; -4005; -4006; -4007; -4008; -4009; -4010; -4011; -4013; -40
V. 24, **kW.** 5.0, **H.** 120.50, **Brush gear** w/o
Short.



130310 Field Coil

Replacing: 1104102040; -1; -3; -4
Servicing: 0101209031; -2; -3; -6; -7; -9; -41; -46; -60; -64; -65; -67; -69; LJ/GEH90/12/1800F
V. 12, **Amp.** 11, **H.** 106.75, **Brush gear** w/o

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



130322 Field Coil

Replacing: 2004105009; -20; 18.500.807
Servicing: 0001402007; -8; -18; -31; -34; -41; -43; -50; -52; -54; -55; -59; -65; -72; -75; -79; -81; 10.130.1
V. 24, **kW.** 4.0, **H.** 114.15, **Brush gear** w/o
Auxiliary coil.



130323 Field Coil

Replacing: 2004105015; -7; 18.500.808; 2004105012
Servicing: 0001400016; -1007; -1011; -1012; -1019; -1023; -1026; -1027; -1028; -1044; -1045; -1046; -1047; -10
V. 12, **kW.** 3.0, **H.** 115.85, **Brush gear** w/o
Auxiliary coil.



130325 Field Coil

Replacing: 2004115040; -1; -2; -3; 9008720; -1; 9923722; 18.500.803; -6; 70494803; -4
Servicing: 0001401007; -11; -12; -19; -23; -26; -27; -28; -44; -45; -46; -47; -49; -50; -52; -60; -62; -66; -6
V. 12, **kW.** 3.0, **H.** 116.00, **Brush gear** w/o
Main coil.



131074 Field Coil

Replacing: 2004114065; -134; -135; -290; -295; 16.905.621; 2004114067
Servicing: 0001368001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20;
V. 24, **kW.** 4.0, **H.** 127.60, **Brush gear** w/o



131134 Field Coil

Replacing: 2004114060; -291; -297; 16.905.386
Servicing: 0001367001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20;
V. 12, **kW.** 3.0, **H.** 128.30, **Brush gear** w/o



131312 Field Coil

Replacing: 2004125076; -83
Servicing: 0001416055; -7001; -7002; -7003; -7004; -7005; -7006; -7007; -7008; -7009; -7010; -7011; -7012; -70
V. 24, **kW.** 5.4 6.6, **H.** 138.25, **Brush gear** w/o



131313 Field Coil

Replacing: 2004114146; -1; -8; -77; -88; -89; -241; -289; -298
Servicing: 0001362034; -5; -6; -7; -8; -9; -40; -41; -42; -43; -45; -46; -47; -48; -49; -50; -51; -52; -53; -5
V. 12, **kW.** 1.9/2/2.2/2.4, **H.** 112.25, **Brush gear** w/o



131314 Field Coil

Replacing: 2004114085; -143; -145; 60737105
Servicing: 0001362300; -1; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -
V. 12, **kW.** 2.3/2.7, **H.** 113.55, **Brush gear** w/o



131341 Field Coil

Replacing: 2004114258
Servicing: 0001364100; -1; -2; -3; -4; -5; -6; -8; -200; -201; -202; -203; -204; -205; -206; 9000143501; B0018
V. 24, **kW.** 4.8/5.2, **H.** 146.65, **Brush gear** w/o



131380 Field Coil

Replacing: 2004114199; 79044565
Servicing: 0001363104; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21; -22; -2
V. 24, **kW.** 2.6/3.2, **H.** 112.40, **Brush gear** w/o



131436 Field Coil

Replacing: 1004113101; -901
Servicing: 0001317009; -10; -11; -12; -14; -15; -16; -17; -18; -19; -20; -21; B001329010; -3; -29
V. 12, **kW.** 1.7, **H.** 107.30, **Brush gear** w/o



131674 Field Coil

Replacing: 1004112567; 134063
Servicing: 0001208232; 9000333119; B001208261
V. 12, **kW.** 0.85, **H.** 73.60, **Brush gear** w/o



131676 Field Coil

Replacing: 2004114181; -2; -7
Servicing: 0001357002; -3; -62007; -62011; -62013; -62014; -62015; -62016; -62017; -62018; -62019; -62020; -62
V. 12, **kW.** 2.4, **H.** 112.15, **Brush gear** w/o



131677 Field Coil

Replacing: 2004114100; -4; -5; -9; -15; -16; -17
Servicing: 0001354004; -5; -16; -18; -27; -29; -31; -36; -55; -64; -77; -79; -81; -82; -85; -88; -90; -91; -92
V. 12, **kW.** 1.8, **H.** 107.15, **Brush gear** w/o



131983 Field Coil

Replacing: 2004115006; -7; 18.500.800; -4
Servicing: 0001402031; -43; -50; -54; -59; -72; -75; -79; -81; 10.130.121; -3; -5; 11.130.005; -115; -606; AL6
V. 24, **kW.** 4.0, **H.** 109.70, **Brush gear** w/o
Main coil.



132083 Field Coil

Replacing: 2004114219
Servicing: 0001358201; -2
V. 12, **kW.** 2.5, **H.** 119.90, **Brush gear** w/o



132144 Field Coil

Replacing: 1004112900
Servicing: 0001211500; -1; -2; -3; -4; -5; -10; -11; -12; -13; -14; -15; -25; -26; -27; -28; -29; -30; -33; -3
V. 12, **kW.** 0.8, **H.** 70.50, **Brush gear** w/o



132154 Field Coil

Replacing: 1004113416; -516; -536; 133400
Servicing: 0001312100; -10; -4003; -4004; -4008; -4012; -4013; -4016; -4031; -4039; B001315003; -15; -28; -50;
V. 12, **kW.** 1.5, **H.** 102.65, **Brush gear** w/o



132356 Field Coil

Replacing: 2004114004; -5
Servicing: 0001358017; -8; -26; -35; -38; -40; -47; -48; -49; -50; -51; B001804003
V. 12, **kW.** 3.2, **H.** 131.75, **Brush gear** w/o



132357 Field Coil

Replacing: 2004114162; -4; -7; -212; 2007010041
Servicing: 0001359001; -2; -3; -8; -10; -12; -13; -14; -16; -18; -19; -20; -24; -25; -26; -27; -30; -31; -32;
V. 12, **kW.** 3.0, **H.** 129.25, **Brush gear** w/o



132358 Field Coil

Replacing: 2004114180; -5; -6
Servicing: 0001363001; -2; -101
V. 24, **kW.** 2.0/2.6, **H.** 111.00, **Brush gear** w/o

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



132360 Field Coil

Replacing: 2004125085; -6; -7; -9
Servicing: 0001413001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -17; -18; -6001; -6002; -6003;
V. 12, **kW.** 3.5/3.6, **H.** 115.00, **Brush gear** w/o



132585 Field Coil

V. 12, **kW.** 2.2, **H.** 83.09, **Brush gear** w/o



132905 Field Coil

Replacing: 2004115013
Servicing: 0001420001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -24; -25; -26; -27; -28;
V. 24, **kW.** 7.5, **H.** 150.80, **Brush gear** w/o



133100 Field Coil

Replacing: 1004112547; 1004114547
Servicing: 0001211223; -4; -51; -52; -53; -54; -55; -56; -57; -58; -2204; -2205; -2211; -2212; -2213; -2214; B
V. 12, **kW.** 0.7/0.8, **H.** 72.65, **Brush gear** w/o



133101 Field Coil

Replacing: 1004113100; -900
Servicing: 0001312108; -9; -7007; -7008; -7013; -7022; -7023; -7024; -7025; B001329009; -14; -44; -45; -35003
V. 12, **kW.** 1.7, **H.** 111.55, **Brush gear** w/o



133184 Field Coil

Replacing: 1004111002; -4; -5
Servicing: 0001157012; -3; -4; -5; -8; -20; -21; -22; -23; -24; -25; -28; -29; -30; 9000141101; -7; -8; -14; 9
V. 12, **kW.** 0.7, **H.** 80.85, **Brush gear** w/o



133205 Field Coil

Replacing: 1004112902
Servicing: 0001208501; -7; -8; -10; -13; -14; -16; -18; -19; -20; -21; -24; 9000333104; -9; -21; B001208301; -
V. 12, **kW.** 0.85/0.95, **H.** 76.20, **Brush gear** w/o



133307 Field Coil

Replacing: 1004112904
Servicing: 0001208515; -7; -28; B001208323; -38
V. 12, **kW.** 0.85, **H.** 77.30, **Brush gear** w/o



133972 Field Coil

Replacing: 1004112549
Servicing: 0001208202; -5; -6; -29; -33; B001208067; -238; -266
V. 12, **kW.** 0.85, **H.** 77.40, **Brush gear** w/o



134012 Field Coil

Replacing: 1004113519; -35; -37
Servicing: 0001311042; -2101; -2103; -2104; -2105; -2106; -2107; -4002; -4005; -4014; -4015; -4018; -4025; -40
V. 12, **kW.** 1.5, **H.** 104.75, **Brush gear** w/o



134016 Field Coil

Replacing: 1004113502; -12; -13
Servicing: 0001311001; -7; -16; -26; -27; -32; -39; -40; -41; -44; -45; -57; B001311054
V. 12, **kW.** 1.0, **H.** 106.30, **Brush gear** w/o



134030 Field Coil

Replacing: 1004112105; -905
Servicing: 0001208702; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -18; -19; 9000333106; B001232002; -6;
V. 12, **kW.** 0.95, **H.** 80.75, **Brush gear** w/o



134054 Field Coil

Replacing: 1004112523
Servicing: 0001211012; -3; -4
V. 12, **kW.** 0.7, **H.** 89.85, **Brush gear** w/o



134090 Field Coil

Replacing: 1004112508; -12
Servicing: 0001208001; -4; -7; -11; -18; -19; -23; -24; -27; -29; -30; -31; -36; -37; -38; -39; -46; -49; -50;
V. 12, **kW.** 0.8, **H.** 100.00, **Brush gear** w/o



134091 Field Coil

Replacing: 1004112545
Servicing: 0001208200; -1; -4; -11; -16; -17; -18; -19; -20; -23; -33; 9000333116; B001208010; -61; -137; -140
V. 12, **kW.** 0.85, **H.** 79.00, **Brush gear** w/o



134359 Field Coil

Replacing: 1004113522; -52
Servicing: 0001311100; -7; -10; -11; -18; -21; -22; -25; -28; -29; -31; -32; -33; -36; -37; -40; -41; -42; -43
V. 12, **kW.** 1.1, **H.** 95.00, **Brush gear** w/o



134527 Field Coil

Replacing: 1004112553; -64; 9001082568
Servicing: 0001208213; -411; -412; -414; -415; -416; -417; -418; -419; -425; -426; -427; -428; -429; -12402; -
V. 12, **kW.** 0.95, **H.** 81.50, **Brush gear** w/o



134629 Field Coil

Replacing: 2004111070
Servicing: 0001157001; -2; -3; -4; -5; -7
V. 12, **kW.** 0.6, **H.** 80.80, **Brush gear** w/o



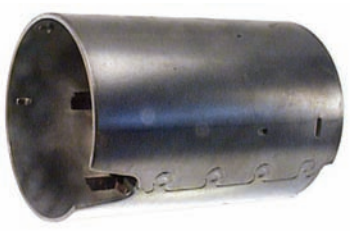
136028 Field Coil

Replacing: 1104103020; -1; -4; -5
Servicing: 0101302022; -3; -5; -6; -7; -36; -96; LJ/GG240/12/2400A; LN/GG240/12/2400A
V. 12, **Amp.** 30, **H.** 110.20, **Brush gear** w/o



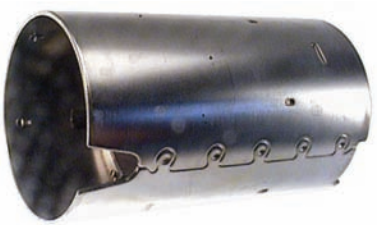
136987 Field Coil

Replacing: 2004114147; -9; -78
Servicing: 0001362010; -58; -85; -94; -99; -104; -6003; -6005; -6006; -6010; -6013; -6016; -6026; -6028; -6029
V. 12, **kW.** 1.9/2.4, **H.** 105.20, **Brush gear** w/o



137167 Field Case

Replacing: 1005001903
Servicing: 0001108001; -2; -4; -9; -10; -11; -12; -13; -16; -17; -19; -20; -22; -23; -24; -25; -26; -27; -28;
V. 24, **kW.** 1.6, **O.D.** 74.20, **L.** 112.80, **Brush gear** w/o, **Magnets** With



137168 Field Case

Replacing: 1005001912
Servicing: 0001110016; -7; -26; -28; -29; -30; -39; -40; -41; -48; -49; -53; -54; -56; -63; -68; -71; -72; -75
V. 12, **kW.** 1.7/1.8, **O.D.** 78.00, **L.** 135.00, **Brush gear** w/o, **Magnets** With



137169 Field Case

Replacing: 1005001915; -24; -37; 139295
Servicing: 0001108003; -18; -42; -54; -57; -63; -64; -65; -74; -78; -79; -80; -83; -87; -88; -89; -90; -101; -
V. 12, **kW.** 1.4, **O.D.** 74.00, **L.** 112.55, **Brush gear** w/o, **Magnets** With

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



137234 Field Coil

Replacing: 2004114086; -7; -92; -233; 2007010070; 136477
Servicing: 0001369001; -2; -3; -4; -5; -6; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21; -23; -24; -200; -
V. 12, **kW.** 3.1, **H.** 114.20, **Brush gear** w/o



137288 Field Coil

Replacing: 2004112002
Servicing: 0001211997; -8
V. 12, **kW.** 0.5, **H.** 92.75, **Brush gear** w/o



138255 Field Coil

Servicing: 0001219001; -5; -6; -7; -8; -9; -11; -12; -14
V. 24, **kW.** 2.2/2.5, **H.** 80.15, **Brush gear** w/o



138307 Field Coil

Replacing: 9003334171; 139017
Servicing: 0001218172; -3
V. 12, **kW.** 2.2, **H.** 75.65, **Brush gear** With *Field coil: Cargo 232627.*



138314 Field Coil

Replacing: 2004114064; -6; -234
Servicing: 0001368018; -30; -31; -35; -36; -41; -57; -61; -64; -65; -71; -73; -77; -81; -88; -310; -313; -315;
V. 24, **kW.** 4.0, **H.** 127.00, **Brush gear** w/o



138317 Field Coil

Replacing: 2004114061; -2
Servicing: 0001367027; -36; -46; -51; -54; -57; -63; -77; -81; B001816041; -89; -99; -187; -217; -231; -279
V. 12, **kW.** 3.2, **H.** 129.85, **Brush gear** w/o



138318 Field Coil

Replacing: 2004114260
Servicing: 0001364300; -1; -400; -402; B001841010; -2
V. 24, **kW.** 4.8/5.2, **H.** 142.80, **Brush gear** w/o



138321 Field Coil

Replacing: 1004113525
Servicing: 0001311047; -2102; -2111; -4001; -4010; -4011; -4017; -4024; B001311044; -5024; -5049; -5068; -2201
V. 12, **kW.** 1./1.5, **H.** 107.30, **Brush gear** w/o



139058 Field Coil

Replacing: 9001140248; f002g20291
Servicing: 9000141100; -3; -11; -12; -16
V. 12, **kW.** 0.7, **H.** 83.00, **Brush gear** w/o



139171 Field Coil

Replacing: 1104103043; -4
Servicing: 0101302083; -4; -119; -120
V. 12, **Amp.** 20, **H.** 132.00, **Brush gear** w/o



139529 Field Coil

Replacing: 9001083341; -575; -588
Servicing: 9000083027; -8; -53; -54; -55; -56; -57; -58; -59; -60; -62; -67; -71; -74; -75; -77; -78; 90004530
V. 12, **kW.** 3.0, **H.** 134.80, **Brush gear** w/o



139587 Field Coil

Replacing: 2004116099
Servicing: 0001510001; -2; -3; -5; -8; -9; -10; -17; -18; -19; -20; -21; -22; -23; -24; -25; -26; -27; -28; -2
V. 24, **kW.** 9.0, **H.** 169.45, **Brush gear** w/o



139989 Field Coil/Brush Gear

Replacing: 9003334151
Servicing: 0001219001; -2; -3; -4; -5; -6; -7; -8; -9; -11; -12; -14; -17; 9000332401; -2; -5; -6; B001235003;
V. 24, **kW.** 2.2/2.5, **H.** 77.65, **Brush gear** With
Field coil: Cargo 138255.



230194 Field Coil

Replacing: 1004112519
Servicing: 0001208006; -14; -17; -48; -12002; -12003; -14002; AL/EEF0.8/12L1
V. 12, **kW.** 0.8, **H.** 87.20, **Brush gear** w/o



230841 Field Coil

Replacing: 2004124001; 9001453717
Servicing: 0001371001; -4; -5; -6; -7; -8; -9; -10; -12; -13; -14; -15; -16; -17; -18; -19; -20; 9000453064; -
V. 24, **kW.** 6.7, **H.** 150.80, **Brush gear** w/o



231085 Field Coil

Replacing: 2004124005; -6
Servicing: 0001372001; -2; -3; -4; -5; -6; -7; -8
V. 24, **kW.** 6.2, **H.** 129.70, **Brush gear** w/o



232187 Field Coil

Replacing: 9001140272
Servicing: 9000141104; 9000334101
V. 12, **kW.** 0.65, **H.** 84.20, **Brush gear** w/o



232625 Field Coil

Servicing: 0001218162; -5
V. 12, **kW.** 2.2, **H.** 74.30, **Brush gear** w/o



232627 Field Coil

Servicing: 1218173
V. 12, **kW.** 2.2, **H.** 73.55, **Brush gear** w/o



233922 Field Coil

Replacing: 6033ad0007; -162; 6033ad1245
Servicing: 0001223001; -2; -3; -7; -10; -11; -12; -18; -19
V. 12, **kW.** 2.3, **O.D.** 85.70, **L.** 98.90, **Brush gear** With, **Magnets** w/o
Brush gear: Cargo 231648. Brush set: Cargo BSX192-1934.



235664 Field Coil

Replacing: 1004112907
Servicing: 0001218003; -8; -10; -14; -20; -22; -26; -27; -28; -100; -102; -104; -105; -106; -120; -121; -127;
V. 12, **kW.** 2.2, **H.** 80.00, **Brush gear** w/o

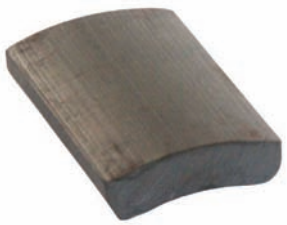
Magnets

Pkg 4



134439 Ferrite

L. 42.00, **H.** 6.95
Non magnetized.



134896 Magnet

L. 42.20, **H.** 8.20, **Pole type** Syd



134897 Magnet

L. 42.15, **H.** 6.85, **Pole type** Nord

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10

134905 Ferrite

L. 60.20, **H.** 6.80
Non magnetized.

Pkg 10



134906 Ferrite

L. 59.40, **H.** 6.75
Non magnetized.

Pkg 4



135218 Ferrite

L. 70.60, **H.** 6.85
Non magnetized.



135219 Magnet

L. 70.55, **H.** 8.00, **Pole type** Syd



135220 Magnet

L. 70.85, **H.** 7.00, **Pole type** Nord



135221 Magnet

L. 60.25, **H.** 7.00, **Pole type** Nord



135222 Magnet

L. 60.20, **H.** 8.00, **Pole type** Syd



135223 Magnet

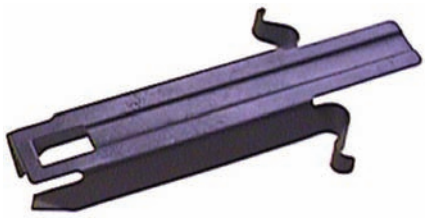
L. 59.60, **H.** 8.00, **Pole type** Syd



135224 Magnet

L. 59.45, **H.** 6.70, **Pole type** Nord

Pkg 5



138362 Magnet Gripper

I.D. 7.90, **Th.** 5.80, **Mount. hole 1** 3.28/5.60

Pkg 4



230205 Ferrite

L. 51.60, **H.** 7.20
Non magnetized.



230206 Magnet

L. 51.55, **H.** 7.00, **Pole type** Syd



230207 Magnet

L. 51.65, **H.** 7.20, **Pole type** Nord

Pkg 4



230208 Ferrite

L. 51.40, **H.** 7.10
Non magnetized.



230209 Magnet

L. 51.55, **H.** 7.10, **Pole type** Syd



230210 Magnet

L. 51.60, **H.** 6.70, **Pole type** Nord

Accessories

Pkg 10



135645 Pole Shoe Screw

Replacing: 2003429057; -60; 9001140194; 90117304; 182041; 2003429055; 2910960285
Servicing: 0001362008; -34; -35; -36; -38; -39; -41; -42; -45; -46; -48; -49; -50; -51; -52; -53; -57; -58; -5
Thread L. 11.00, **L.** 16.70, **Thread** M10

Pkg 10



136274 Gasket

Servicing: M50.
L. 75.00, **Th.** 0.55, **W.** 8.00

Pkg 6



138361 Magnet Gripper

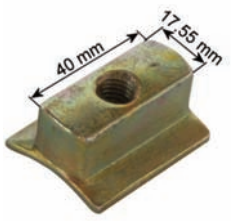
L. 61.00, **W.** 9.55

Pkg 10



230501 Pole Shoe Screw

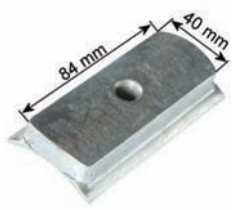
Replacing: 2910480282; 2910550282
Servicing: 0001203008; -9; -10; -4002; -4005; -4006; -4102; -7001; -7003; -7005; -7009; -7015; -7016; -7017; -
Thread L. 7.85, **L.** 12.15, **Thread** M10



234053 Pole Shoe

L. 40.00, **H.** 17.55, **W.** 31.10, **Thread** M10

Pkg 10



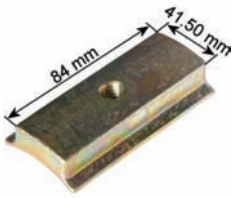
234196 Pole Shoe

Replacing: 235135; 234196
L. 84.00, **H.** 15.20, **W.** 40.00, **Thread** M10



234197 Pole Shoe

L. 99.60, **H.** 15.75, **W.** 41.15, **Thread** M10



234198 Pole Shoe

L. 84.00, **H.** 15.70, **W.** 41.50, **Thread** M10

234498 Pole Shoe

Servicing: 0001362006; -16; -44; -45; -52; -9023

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10

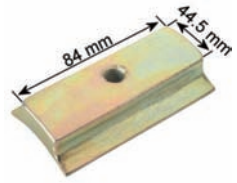


234505 Pole Shoe

Servicing: 1364400

L. 100.30, **H.** 15.80, **W.** 41.65, **Thread** M10

Pkg 10



234506 Pole Shoe

Servicing: 0001417005; -6; -42; -64; -73; -74

L. 84.00, **H.** 18.05, **W.** 44.50, **Thread** M10

C.E. Brackets



133489 C.E. Bracket

Replacing: 2005855381; -073; -076; -110; -165; -166; -25; -65; -79; -3; 2005885073

Servicing: 0001410015; -6; -7; -8; -21; -26; -29; -32; -33; -34; -35; -39; -41; -43; -44; -46; -48; -52; -53;

I.D. 111.00, **Kl. 30** M10, **Kl. 31** M10



133490 C.E. Bracket

Replacing: 2005855382; -173; -174; -26; -66; -72

Servicing: 0001410019; -22; -24; -37; -47; -49; -50; -51; -64; -68; -69; -75; -76; -77; -78; -87; -92; -101; -

Kl. 30 M10, **Kl. 31** M10



133908 C.E. Bracket

Replacing: 2005854094; -6; -100; -107; -110; -116; -143; -195; -198; -199

Servicing: 0001362034; -5; -6; -7; -8; -9; -40; -41; -42; -43; -45; -46; -47; -48; -49; -50; -51; -52; -53; -5

O.D. 113.62, **H.** 60.00



134092 C.E. Bracket

Replacing: 2005854053; -84; -136

Servicing: 0001358201; -2; -9001; -9002; -9003; -9008; -9010; -9012; -9013; -9014; -9016; -9018; -9019; -9020;

V. 12, **Brush** With, **Spring terminal** With



134524 C.E. Bracket

Replacing: 2005854051; -7; 9001140151

Servicing: 0001362001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -16; -17; -18; -19; -20; -21; -22;

I.D. 95.60



136547 C.E. Bracket

Replacing: 1005852336

Servicing: 0001208515; -7; -26; -28; -717; 9000333117; B001208323; -38; -32021



136558 C.E. Bracket

Replacing: 2005822333; 2005855276; -331; -333; -371; -373

Servicing: 0001416010; -44; -45; -7037; -7059; 0001714059; B001411040; -50109; -50127; -50199

Kl. 30 M12, **Kl. 31** M10



136559 C.E. Bracket

Replacing: 2005855184; -99; -297; -298; -299; -306; -338; -368; -377; -378; res8905

Servicing: 0001411007; -25; -26; -27; -6002; -6023; -6038; -6040; -6043; -6062; -6063; -6072; -6074; -6078; -7

Kl. 30 M12, **Kl. 31** M10



137000 C.E. Bracket

Replacing: 2005855376
Servicing: 0001417065; -9; B001411400
Kl. 30 M12, **Kl. 31** M12



137985 C.E. Bracket

Replacing: 9001338878
Servicing: 9000331201; -3



138864 C.E. Cover Assy

Replacing: 2007010062
Servicing: 0001420001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -24; -25; -26; -27; -28;



138924 C.E. Bracket

Replacing: 1005851008; -69; -97
Servicing: 0001109011; -2; -23; -29; -44; -47; -10001; -10002; -10009; -10010; -10014; -10015; -10018; -10031;



139065 C.E. Bracket

Replacing: 1005853381; -5; -8
Servicing: 0001310006; -7; -8; -9; -10; -11; -16; -18; -19; -23; -1001; -1007; -1008; -1010; -1013; -1014; -10



139357 C.E. Bracket

Replacing: 1005821012; -71; 1005851012; -68; -71; -153
Servicing: 0001106011; -2; -4; -5; -7; -8; -9; -22; -23; -24; -7009; -7012; -7013; -7014; -7015; -7016; -7017;
I.D. 10.00



139547 C.E. Bracket

Replacing: 1005851010; -42; -70; -93; -95; 234236
Servicing: 0001109001; -2; -3; -6; -7; -8; -9; -14; -15; -17; -18; -21; -22; -25; -26; -28; -30; -31; -33; -34
I.D. 10.00



230078 C.E. Bracket

Replacing: 1005851016; -72; f000al1528
Servicing: 0001112005; -6; -7; -8; -9; -12; -13; -14; -15; -16; -17; -19; -20; -21; -22; -23; -24; -25; -27; -

---



230116 C.E. Bracket

Replacing: 9003338806
Servicing: 0001218027; -135; B001233115; -97



230175 C.E. Bracket

Replacing: 9001140349; 6033ad1267
Servicing: 0001218002; -3; -4; -5; -7; -8; -10; -12; -13; -14; -15; -17; -18; -19; -20; -22; -23; -24; -25; -2



230243 C.E. Bracket

Replacing: 2005854163
Servicing: 0001369007; -19; -25; -200; -201; B001828071; -113



230359 C.E. Bracket

Replacing: 1005851078; 250359
Servicing: 0001116001; -3; -5; -6; -8; -9

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



230610 C.E. Bracket

Replacing: 1005852371

Servicing: 0001204102; -3; -7001; -7003; -7005; -7009; -7010; -7014; -7015; -7016; -7017; -7018; -7019; -7020;



230616 C.E. Bracket

Replacing: 2005854149

Servicing: 0001362092; -6; -3120; -3122; -8068; -8073; -8312; B001812388; -95; -3239; -3244



230773 C.E. Bracket

Replacing: 1005851014; -73; -151

Servicing: 0001106016; -20; -7003; -7004; -7005; -7006; -7007; -7008; -7020; -7021; -7022; -7023; -7024; -7039



230966 C.E. Bracket

Replacing: 1005821054; 1005851054

Servicing: 0001108112; -25; -28; -30; B001111347; -90; -99; -432



230969 C.E. Bracket

Replacing: 2005852008

Servicing: 0001208100; -1; -200; -201; -202; -203; -204; -205; -206; -207; -208; -209; -210; -211; -213; -214;



231088 C.E. Bracket

Replacing: 2005854173; -83

Servicing: 0001368316; -72001; -72006



231174 C.E. Bracket

Replacing: 2005851025

Servicing: 0001157001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -20; -21;



231273 C.E. Bracket

Replacing: 2005854181; -212

Servicing: 0001371006; -8



231357 C.E. Bracket

Replacing: 6033ad0149; -80

Servicing: 0001230002; -1002; -1008; -1011; -1016; -1029; -1035; -1039

I.D. 10.00



231650 C.E. Bracket

Replacing: 6033ad0056

Servicing: 0001223002; -3; -4; -5; -7; -8; -16; -21; -22

I.D. 85.20



233554 C.E. Bracket

Replacing: 1005851006

Servicing: 0001108001; -2; -4; -9; -10; -11; -12; -16; -17; -24; B001111006; -19; -20; -23; -56; -87



233571 C.E. Bracket

Replacing: 1005851105

Servicing: 0001106405; -6; -7401; -7402; -7403; -7404; -7405; -7406; -7407; -7408; -7409; -7410; -7411; -7415;

I.D. 16.55



234221 C.E. Bracket

Replacing: 6033ad0175
Servicing: 0001230006; -14
I.D. 82.95



234243 C.E. Bracket

Replacing: 9002335892; 6033ad1270
Servicing: 0001218016; -110; -9013; B001233182



234371 C.E. Bracket

Replacing: 6033ad0141
Servicing: 0001231007; -19; -23; -30; -34



234382 C.E. Bracket

Replacing: 2005854120
Servicing: 0001362067; -82; -3127; -7069; -8026; -8051; B001812252; -329; -3256; -6080; -6338



234395 C.E. Bracket

Replacing: 6033ad0325
Servicing: 1223013
I.D. 70.00



234531 C.E. Bracket

Replacing: 2005854179; -211
Servicing: 0001371004; -10; -13; -18; -20
I.D. 103.30



234746 C.E. Bracket

Replacing: 9001140348; 6033AD1277
Servicing: 0001218116; -7; -9; -48; -49; -60; -70; -9010
I.D. 86.38



234791 C.E. Bracket

Replacing: 6033AD0290; -197
Servicing: 0001123004; 0001231004; -14



234842 C.E. Bracket

Replacing: 2005854176
Servicing: 0001370001; -2; -1001; 9000453029; -64; -65; -66; -67; -68; B001850025; -1001; -1002; -1012



234899 C.E. Bracket

Replacing: 6033ad0016
Servicing: 0001223001; -6; -9; -10; -14
I.D. 80.00



235534 C.E. Bracket

Replacing: 1005852309; -12; 9003338886; 1005852311
Servicing: 0001218006; -9; -21; -26; -28; -108; -134; -136; -140; -150; -156; -162; -165; -9001; -9007; B00123



235585 C.E. Bracket

Replacing: 6033ad0198
Servicing: 0001230003; -4; -5; -1009
I.D. 83.60

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



235603 C.E. Bracket

Replacing: 2005854118
Servicing: 0001368008; -46; -48; -64
I.D. 105.75



235604 C.E. Bracket

Replacing: 2005854145
Servicing: 0001362313; -700; -701; -705; -7067; -7301; -7303; -8062; -8077; -8307; -8309; B001812377; -413; -4



235605 C.E. Bracket

Replacing: 2005854185
Servicing: 0001370003; -1019

D.E. Brackets



132049 Bracket

Replacing: 2005825083; -7; -169; -186; -226; 06702; 9003925
Servicing: 0001410021; -9; -38; -44; -46; -50; -62; -63; -67; -68; -69; -73; -78; -82; -83; -90; -116; -1010;



132219 D.E. Bracket

Replacing: 2005824570; -666; -843; 2005834341; 137362
Servicing: 0001358048; -50; -9043; -9084; -9107; -60022; -60037; -60222; -62051; -62052; -67034; -67059; -6730



132220 Bracket

Replacing: 2005825099
Servicing: 0001410037; -5007; -5008; -7042; -7043; 9000084012; -3



132221 D.E. Bracket

Replacing: 2005825218
Servicing: 0001410088; -1009; -1022; -3017; -5001; -6002; -6010; -6078; -7001; -7037; -7078; -8014; -8015; -80



133111 D.E. Bracket

Replacing: 1005822302; -64; -445; 1007010038
Servicing: 0001208223; -32; -33; -409; -423; -11227; -11232; -11243; 9000333115; -6; 9000692031; B001208171; -



134020 D.E. Bracket

Replacing: 1005823298
Servicing: 0001311108; B001311055



134049 D.E. Bracket

Replacing: 1005822385
Servicing: 0001208224; B001208201



134056 D.E. Bracket

Replacing: 2005824864; 2005834064
Servicing: 0001359118; -60061; -67026; -67073; -68017; -68063; -68074; B001816159; -60; -394



134057 D.E. Bracket

Replacing: 9002335819

Servicing: 9000334102



134058 D.E. Bracket

Replacing: 1005823456

Servicing: 0001317011; -2; -6; -7; B001329013; -29



134059 D.E. Bracket

Replacing: 1005823459; -74

Servicing: 0001317013; -22; -25; B001329014; -45



134060 D.E. Bracket

Replacing: 1005821126; -277

Servicing: 0001110013; -9; -43; -64; -88; -104; -105; B001117018; -57; -70; -174; -184



134061 D.E. Bracket

Replacing: 1005823453; -75

Servicing: 0001317009; -10; -14; -15; -18; -19; -20; -21; B001329010



134062 D.E. Bracket

Replacing: 1005821035

Servicing: 0001157024; -8; -30



134116 D.E. Bracket

Replacing: 1005822389; 1007010035

Servicing: 0001208425; -6; -8; -9; -11251; -11252; -11253; -11254; B001208256; -11204



134123 D.E. Bracket

Replacing: 9001082579

Servicing: 9000082043; -51; -65; -69; -72



134130 D.E. Bracket

Replacing: 2005824549; 2005834196; -7; -337; 137329

Servicing: 0001362016; -34; -91; -305; -703; -9014; B001812174; -325; -372; -28111; F002G20571



134131 D.E. Bracket

Replacing: 1005821231

Servicing: 0001108054; -65; -108; B001111158; -219; -349



134132 D.E. Bracket

Replacing: 1005823320

Servicing: 0001314012; -3



134134 D.E. Bracket

Replacing: 1005822456

Servicing: 0001208416; -7; -11257; -11258; B001208243; -11201

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



134136 D.E. Bracket

Replacing: 2005823111

Servicing: 0001312100; -10; B001322002; -22



134307 D.E. Bracket

Replacing: 1005822465

Servicing: 0001208422; B001208259



134318 D.E. Bracket

Replacing: 2005824695; -909

Servicing: 0001359014; -74; -60009; -60029; -62063; -62300; -67001; -69016; B001812289



134319 D.E. Bracket

Replacing: 2005824747; 2005834027; -747

Servicing: 0001359032; -101; -60038; -60039; -60057; -67033; -67038; -67057; -67068; -68010; -68011; -68301; -



134320 D.E. Bracket

Replacing: 9002335861; 9003338822

Servicing: 0001218014; -121; -155; B001233069; -198; -285



134362 D.E. Bracket

Replacing: 2005824906; 2005834073; -311

Servicing: 0001359122; -60063; -67029; -68020; B001816053; -4



134393 D.E. Bracket

Replacing: 2005824425; 2005834155

Servicing: 0001359016; -90



134403 D.E. Bracket

Replacing: 2005824738; -579

Servicing: 0001359051; -89; -60010; -60023; -60036



134406 D.E. Bracket

Replacing: 1005821190; -596

Servicing: 0001110025; -82; -125; B001117224; -97



134407 D.E. Bracket

Replacing: 1005823090

Servicing: 0001314029; B001315141



134435 D.E. Bracket

Replacing: 9002338837; 134967

Servicing: 0001218818; 9000331406; -21; -24; -30



134437 D.E. Bracket

Replacing: 1005821183; -514

Servicing: 0001112007; -19; B001180019; -44



134478 D.E. Bracket

Replacing: 1005823466

Servicing: 1314034



134493 D.E. Bracket

Replacing: 2005824325; -692; -916; 2005834009; -325; 134404

Servicing: 0001359003; -12; -27; -73; -105; -60012; -60035; -67004; -67047; -67074; -68001; -68008; B001816001



134528 D.E. Bracket

Replacing: 1005822373

Servicing: 0001208709; -10; -11; -12; -13; -14; -11504; -11505; B001232012; -7; -9



134532 D.E. Bracket

Replacing: 1005821130; -686

Servicing: 0001110016; -75; -91; B001117042; -192



134533 D.E. Bracket

Replacing: 1005823463

Servicing: 0001312108; -9; B001335003



134536 D.E. Bracket

Replacing: 2005824780

Servicing: 0001364102; -200; -201; -203; -204; B001819014; -102; -202; -206



134610 D.E. Bracket

Replacing: 1005822396

Servicing: 0001208507; B001208306



134677 D.E. Bracket

Replacing: 1005821055; -285; -299

Servicing: 0001108001; -2; -9; -10; -16; -17; -26; -27; -28; -29; -72; -73; -101; -102; B001111006; -56; -104;



134682 D.E. Bracket

Replacing: 2005834159

Servicing: 0001362081; B001812324



134804 D.E. Bracket

Replacing: 1005821280

Servicing: 0001112012; -6; -3003; -3005; -4014; -4020; -4022; B001180023; -45; -1026; -1046



134805 D.E. Bracket

Replacing: 2005824709; 2005834157

Servicing: 0001359082; -110; -67055; B001816055



134814 D.E. Bracket

Replacing: 1005821243; -628

Servicing: 0001107028; -9; -41; -8020; -8037; -8039; -8057; -8083; -8110; -8132; -8155; B001111077; -118; -128

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



134815 D.E. Bracket

Replacing: 1005821272

Servicing: 0001108040; -71; -82; -111; -152; -158; B001111238; -80; -357



134816 D.E. Bracket

Replacing: 1005822376; -9; 9001338809

Servicing: 0001208408; -515; -517; -526; -528; -717; 9000333117; B001208194; -323; -338; -32021



134850 D.E. Bracket

Replacing: 1005821065; -737

Servicing: 0001110001; -2; -14; -15; -76; -77; -98; -99; -133; -134; B001110076; -7008; -7043



134864 D.E. Bracket

Replacing: 1005821103

Servicing: 0001110009; -10; B001117030



134889 D.E. Bracket

Replacing: 9002335835

Servicing: 9000331406



135157 D.E. Bracket

Replacing: 1005821135

Servicing: 0001108024; B001111087



135214 D.E. Bracket

Replacing: 2005824849; -383

Servicing: 0001362001; -2; -47; -600; -9004; B001812265; -28041



135288 D.E. Bracket

Replacing: 2005834066

Servicing: 0001367028; -82; B001816051



135289 D.E. Bracket

Replacing: 2005834173

Servicing: 0001367056; -8038; B001816129; -30



135781 D.E. Bracket

Replacing: 1005821421

Servicing: 0001108011; -81; B001111233



135806 D.E. Bracket

Replacing: 1005821070



135807 D.E. Bracket

Replacing: 2005824903

Servicing: 0001362062; B001812206



135812 D.E. Bracket

Replacing: 1005823399

Servicing: 0001314027; B001315126



135892 D.E. Bracket

Replacing: 1005821291; -480; 1005831144; 136818

Servicing: 0001110022; -3; -45; -46; -66; -67; -106; -107; -122; -123; -126; -127; -128; -129; -136; -137; -13



135894 D.E. Bracket

Replacing: 9003338827; -57; 9003335827

Servicing: 0001218008; -131; 9000331411; B001233068; -217



135895 D.E. Bracket

Replacing: 9002335899

Servicing: 0001218022; B001233107



135897 D.E. Bracket

Replacing: 1005821088

Servicing: 0001108018; -64; B001111079; -218



135899 D.E. Bracket

Replacing: 1005821604

Servicing: 0001108125; B001111432



135909 D.E. Bracket

Replacing: 9002338865

Servicing: 0001218105; -28; -728; B001233160; -230



135910 D.E. Bracket

Replacing: 9002338804

Servicing: 9000331411



135912 D.E. Bracket

Replacing: 2005834035

Servicing: 0001368016; -43; -56; -317; B001816150; -334; -548



135913 D.E. Bracket

Replacing: 1005821275

Servicing: 0001110044; -51; -65; B001117096; -175



135914 D.E. Bracket

Replacing: 1005821153

Servicing: 0001108030; -88; B001111060; -299



135915 D.E. Bracket

Replacing: 1005821096

Servicing: 0001109017; -49; -10007; -10008; B001117011

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



135964 D.E. Bracket

Replacing: 1005822424

Servicing: 0001208516; -707; B001208316; -32007



135984 D.E. Bracket

Replacing: 1005821599

Servicing: 0001107014; -8033; -8087; -8106; B001110071; -1124; -1287; -1351



135999 D.E. Bracket

Replacing: 9002338862

Servicing: 0001218104; -27; B001233159; -95; -229



136049 D.E. Bracket

Replacing: 9002338856

Servicing: 0001218103; -703; B001233151



136090 D.E. Bracket

Replacing: 2005825355

Servicing: 0001416062; -7; -8; B001450253; -88; -91



136120 D.E. Bracket

Replacing: 2005834116; -8

Servicing: 0001367046; -8030; B001816089; -90



136121 D.E. Bracket

Replacing: 1005821094

Servicing: 0001110005; B001117014; -202



136122 D.E. Bracket

Replacing: 1005823478

Servicing: 1317023



136126 D.E. Bracket

Replacing: 2005824555; -948

Servicing: 0001362014; -5; -71; B001812263



136127 D.E. Bracket

Replacing: 2005834147

Servicing: 0001368034; -78; B001816098; -426



136133 D.E. Bracket

Replacing: 1005821202

Servicing: 0001112009; -4008; -4017; -4021; B001118020; -80020; -81013; -81035; -81047



136134 D.E. Bracket

Replacing: 1005821468; -649

Servicing: 0001107003; -4; -22; -23; 9000081001; B001110041; -100



136199 D.E. Bracket

Replacing: 1005821058; -683
Servicing: 0001108003; -124; -149; B001111010; -44; -392



136200 D.E. Bracket

Replacing: 9002338807
Servicing: 1218023



136233 D.E. Bracket

Replacing: 2007010082; -106
Servicing: 0001362307; B001812330



136234 D.E. Bracket

Replacing: 9002335809
Servicing: 9000333104; -6



136289 D.E. Bracket

Replacing: 1005822349
Servicing: 0001211242; -6; B001211151; -90



136290 D.E. Bracket

Replacing: 9002338852; 9003335895; 136388
Servicing: 0001218019; -101; -163; -167; -763; -767; B001233048; -139



136293 D.E. Bracket

Replacing: 2005824655
Servicing: 0001362025; -43; -314; -320; B001812387; -423



136310 D.E. Bracket

Replacing: 2005824639
Servicing: 0001358200; -1; -2



136353 D.E. Bracket

Replacing: 9002335832; 9002338889
Servicing: 0001218012; -3; -8; -113; -114; -115; -139; -715; B001233057; -101; -165; -177



136380 D.E. Bracket

Replacing: 1005821076; -162
Servicing: 0001108012; -38; B001111019; -130



136383 D.E. Bracket

Replacing: 1005821091; -549
Servicing: 0001108019; -35; -84; -109; -118; -119; B001111064; -126; -355



136389 D.E. Bracket

Replacing: 2005824774; -419
Servicing: 0001359008; -95; -60013; -60050

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



136438 D.E. Bracket

Replacing: 1005822416

Servicing: 0001211512; -35; 9000333120; B001211306; -40



136582 D.E. Bracket

Replacing: 1005821477; -98

Servicing: 0001107007; -8; -20; -21; -52; -53; 9000694029; B001110054; -99



136706 D.E. Bracket

Replacing: 1005821159; -497

Servicing: 0001112003; -4; -38; -39; -3011; -3012; -4005; -4006; 9000695006; -9; B001180008; -1007



136707 D.E. Bracket

Replacing: 1005821233

Servicing: 0001112010; -1; -4009; -4010; B001180021; -1014



136714 D.E. Bracket

Replacing: 1005821193

Servicing: 0001112008; -15; B001180011; -34



136790 D.E. Bracket

Replacing: 1005822449; -51; 9002338870; 9003338898

Servicing: 0001218006; -21; -108; -150; -9001; -9007; B001233066; -90; -106; -156; -172; -264; -5003; -5012



136802 D.E. Bracket

Replacing: 1005821185

Servicing: 0001108043; -4; B001111088



136804 D.E. Bracket

Replacing: 1005821461

Servicing: 0001110061; -2; B001117140



136805 D.E. Bracket

Replacing: 2005834008

Servicing: 0001362073; B001812269



136806 D.E. Bracket

Replacing: 2005834369

Servicing: 0001367070; -302; -8070; -8087; -8306; B001816503; -4; -13; -14



136810 D.E. Bracket

Replacing: 2004000003; 2005824888; 2007000003

Servicing: 1363101



136994 D.E. Bracket

Replacing: 2005834315

Servicing: 0001362312; -6; -7075; -7078; -9001; -9005; -9022; B001812415; -6581; -28011; -28067



136995 D.E. Bracket

Replacing: 9003335824; -55; 9003338855

Servicing: 0001218007; -126; -176; -776; -9014; B001233039; -224



137110 D.E. Bracket

Replacing: 1005821099; -445

Servicing: 0001110012; -55; -115; B001117012; -270



137114 D.E. Bracket

Replacing: 2005824704

Servicing: 0001364100; -5004; B001819001; -2



137115 D.E. Bracket

Replacing: 9002338886

Servicing: 0001218004; -5; -111; -112; -130; -711; -712; -730; B001233033; -184; -204



137136 D.E. Bracket

Replacing: 2005834465

Servicing: 0001368083; B001816570



137155 D.E. Bracket

Replacing: 1005821133; -731

Servicing: 0001110017; -999; B001117203; F010AL0101



137156 D.E. Bracket

Replacing: 1005821188

Servicing: 0001108047; -78; -79; B001111226



137157 D.E. Bracket

Replacing: 1005821442

Servicing: 0001108092; B001111269



137160 D.E. Bracket

Replacing: 2005824829

Servicing: 0001362024; -41; -3114; -6001; B001811016; -2199; -3235



137161 D.E. Bracket

Replacing: 2005824852; -931

Servicing: 0001359108; -13; -67005; -67013; B001816015; -35



137162 D.E. Bracket

Replacing: 9002338882

Servicing: 0001218110; -710; -9013; B001233182



137273 D.E. Bracket

Replacing: 2005834053

Servicing: 0001363127; -7022; -8027; -8064; B001813256; -6075; -6076; -6406

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



137282 D.E. Bracket

Replacing: 9001338852

Servicing: 0001218151; -64; -764; B001233190



137309 D.E. Bracket

Replacing: 1005821579

Servicing: 1112025



137327 D.E. Bracket

Replacing: 1005821711

Servicing: 1108151



137381 D.E. Bracket

Replacing: 9001338869

Servicing: 0001218152; -9011; B001233216



137387 D.E. bracket

Replacing: 9002335806

Servicing: 1208518



137388 D.E. Bracket

Replacing: 1005823316

Servicing: 0001314014; -5; -6010; B001315072; -28027



137609 D.E. Bracket

Replacing: 1005823451

Servicing: 0001317007; -8; -24; B001329009; -44



137611 D.E. Bracket

Replacing: 9003338836

Servicing: 0001218817; 9000331428



137625 D.E. Bracket

Replacing: 1005821210

Servicing: 0001108048; -126; -159; -225; B001111061



137626 D.E. Bracket

Replacing: 1005821617

Servicing: 0001108128; B001111390



137628 D.E. Bracket

Replacing: 1005821702

Servicing: 0001107034; -45; B001110097



137629 D.E. Bracket

Replacing: 1005821768; -901; 1005831159

Servicing: 0001123003; -4003; -4004; -5005; -5006; -5035; -5036



137630 D.E. Bracket

Replacing: 1005821787; 1005831169
Servicing: 0001124005; -6; -5001; -5002; -5003; -5011; -5031; -5032



137631 D.E. Bracket

Replacing: 1005821817; -962
Servicing: 0001112041; -6003



137632 D.E. Bracket

Replacing: 2005824837
Servicing: 0001362046; -3112; B001812200; -3223



137633 D.E. Bracket

Replacing: 9001338021
Servicing: 0001218157; -757

Needle bearing: Cargo 140242.



137634 D.E. Bracket

Replacing: 9001338806
Servicing: 9000333121



137635 D.E. Bracket

Replacing: 9001338857
Servicing: 9000331201; -3



137697 D.E. Bracket

Replacing: 9002338893
Servicing: 0001218116; -7; -716; B001233180



137728 D.E. Bracket

Replacing: 1005821609
Servicing: 0001112029; B001180063



137763 D.E. Bracket

Replacing: 1005821147
Servicing: 0001108031; -52; B001111091; -171



137899 D.E. Bracket

Replacing: 1005821157
Servicing: 0001112021; -2; -3001; -3002; -3007; -3008; B001180036



137900 D.E. Bracket

Replacing: 1005821196
Servicing: 0001107058; -61; -8042; -8050; -8063; B001111090; -8; -220



137901 D.E. Bracket

Replacing: 1005821224
Servicing: 0001110029; -30; B001117080

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



137902 D.E. Bracket

Replacing: 1005821436; -248; 239170
Servicing: 0001110039; -53; -113; B001117050; -149



137903 D.E. Bracket

Replacing: 1005821459
Servicing: 0001108098; B001111071



137904 D.E. Bracket

Replacing: 1005821505; -728
Servicing: 0001108113; -4



137905 D.E. Bracket

Replacing: 1005821558
Servicing: 0001107015; -44; 9000081004; B001110042



137906 D.E. Bracket

Replacing: 1005821585
Servicing: 0001107016; -8121; B001110078; -1359



137907 D.E. Bracket

Replacing: 1005821637
Servicing: 1112032



137908 D.E. Bracket

Replacing: 1005821651
Servicing: 0001107027; -8; -8139; -8140; B001110133; -1462; -1463



137909 D.E. Bracket

Replacing: 1005821694
Servicing: 0001110092; -102; -124



137910 D.E. Bracket

Replacing: 1005821781
Servicing: 0001113010; -7



137911 D.E. Bracket

Replacing: 1005821790
Servicing: 1108157



137912 D.E. Bracket

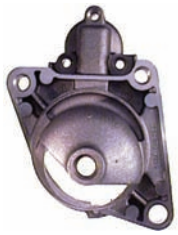
Replacing: 1005821793; 1005831193; -63
Servicing: 0001107096; -24007; -24008; -24011; -24012; -24022; -24023; -25003; -25004

Dust Proof.



137913 D.E. Bracket

Replacing: 1005821799; 1005831301
Servicing: 0001109015; -52; -55; -62; -68



137914 D.E. Bracket

Replacing: 1005821857

Servicing: 0001107059; -82



137915 D.E. Bracket

Replacing: 1005821746; -903; 2005831167; 1005831167

Servicing: 0001124001; -2; -15; -5007; -5008; -5012; -5013; -5042; -5043

Dust Proof.



137916 D.E. Bracket

Replacing: 1005821820; -935

Servicing: 0001107054; -5; -68; -69; -73; -74



137918 D.E. Bracket

Replacing: 2005834177

Servicing: 0001362302; -19; -32; -7002; -7032; -7058; -7079; -7080; -8037; -8039; -8067; B001812397; -6007; -6



138179 D.E. Bracket

Replacing: 2005824802; -674

Servicing: 0001362027; -8; -38; B001812171



138210 D.E. Bracket

Replacing: 2005825283

Servicing: 0001410101; -11; -1029; -6033; -6036; -7024; -7079; B001411264; -50208; -50212



138315 D.E. Bracket

Replacing: 2005834171

Servicing: 0001367054; B001816187



138324 D.E. Bracket

Replacing: 1005821755; 1005831432

Servicing: 0001109014; -36; -250; -10112; F002G20795



138337 D.E. Bracket

Replacing: 1005822008; 9003338862

Servicing: 0001218009; -26; -134; B001233023; -81; -133; -181



138357 D.E. Bracket

Replacing: 1005821826

Servicing: 1110120



138450 D.E. Bracket

Replacing: 2005834120

Servicing: 0001367049; -8033; -8061; -8075; B001816153; -4; -370; -524



138863 D.E. Bracket

Replacing: 2005824894; 2005834716

Servicing: 0001362039; -105; -322; -3111; B001812189; -352

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



138922 D.E. Bracket

Replacing: 1005822421

Servicing: 0001212211; -2; -3; -4; -402; -403; B001229015; -6; -202



138944 D.E. Bracket

Replacing: 1005821269

Servicing: 0001108070; -105; -135; B001111227; -340; -415



139016 D.E. Bracket

Replacing: 1005821771

Servicing: 0001107043; -87



139020 D.E. Bracket

Replacing: 1005821758

Servicing: 1107047



139062 D.E. Bracket

Replacing: 1005821297

Servicing: 0001108068; -9; -103; -104; -134; -160; -995; -996; -997; -998; -999; B001111224; -34; -303; -338;



139063 D.E. Bracket

Replacing: 1005822197

Servicing: 0001208411; -2; -11223; -11224; B001208228; -11114



139066 D.E. Bracket

Replacing: 2005834100

Servicing: 0001367039; -8028; -8045; B001806508; -16194; -16203; -16204



139067 D.E. Bracket

Replacing: 9001083381

Servicing: 9000083028; -54; -65; -71



139138 D.E. Bracket

Replacing: 1005823388; -228

Servicing: 0001311100; -50; -4025; -4032; -4043; -4045; -6006; B001311215; -5122; -5177; -5181



139261 D.E. Bracket

Replacing: 1005821213

Servicing: 0001109009; -10028; -10041; -10042; B001116011; -7075; -7125; -7247



139263 D.E. Bracket

Replacing: 1005821552

Servicing: 0001110079; B001117275



139356 D.E. Bracket

Replacing: 1005821020

Servicing: 0001157020; -2



139499 D.E. Bracket

Replacing: 9001338010; 139470; 9003338820
Servicing: 0001218120; -1; -33; -59; -759; B001233208; -38



139502 D.E. Bracket

Replacing: 2007010112
Servicing: 0001362700; B001812413



139508 D.E. Bracket

Replacing: 9001338042
Servicing: 0001218172; -772



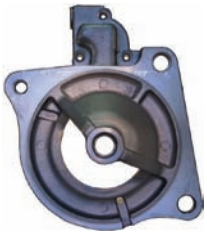
139548 D.E. Bracket

Replacing: 1005821796
Servicing: 0001107076; -166; -8166; -8189; -15002



139552 D.E. Bracket

Replacing: 1005821564
Servicing: 0001107011; -39; B001110092



139554 D.E. Bracket

Replacing: 9001338067
Servicing: 0001218174; -774



139555 D.E. Bracket

Replacing: 9005140239
Servicing: 9000114101; -15; -41101; -41107; -41113; -41115



139573 D.E. Bracket

Replacing: 1005821985
Servicing: 0001108180; -2; -6



139652 D.E. Bracket

Replacing: 1005821591
Servicing: 0001108122; B001111358



139695 D.E. Bracket

Replacing: 1005821615
Servicing: 0001107033; -8129; -11003; B001111195



139906 D.E. Bracket

Replacing: 1005821932
Servicing: 0001107067; -8173



139913 D.E. Bracket

Replacing: 2005834453
Servicing: 0001368081; -310; B001816592

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



139977 D.E. Bracket

Replacing: 9001338064

Servicing: 1218173



230077 D.E. Bracket

Replacing: 1005821740; -946

Servicing: 0001107037; -48; -72



230113 D.E. Bracket

Replacing: 2005824974

Servicing: 0001363111; B001813222



230171 D.E. Bracket

Replacing: 1005821228

Servicing: 0001110031; -2; -84; -85; B001117071; -609



230196 D.E. Bracket

Replacing: 1005823433; -7

Servicing: 0001314047; -8; -6013; B001315186; -7



230454 D.E. Bracket

Replacing: 1005821925

Servicing: 0001107063; -8176



230608 D.E. Bracket

Replacing: 1005821115; 1005831234

Servicing: 0001108021; -147; B001111069



230811 D.E. Bracket

Replacing: 2005825352

Servicing: 0001416061; -5; B001450273



230836 D.E. Bracket

Replacing: 1005821473

Servicing: 0001109001; -2; -6; -7; B001116001



230838 D.E. Bracket

Replacing: 1005821839

Servicing: 1108167



230844 D.E. Bracket

Replacing: 2005834012; 2005824389

Servicing: 0001359020; -67017; -68040; B001816125; -6



230850 D.E. Bracket

Replacing: 1005821539

Servicing: 0001108074; -112; B001111191; -347



230851 D.E. Bracket

Replacing: 1005821525

Servicing: 0001107012; -3; -7; -8; B001110043; -81



231023 D.E. Bracket

Replacing: 9001338029

Servicing: 0001218168; -768; -9012



231071 D.E. Bracket

Replacing: 2005834399

Servicing: 0001362102; B001812430



231082 D.E. Bracket

Replacing: 9001338073

Servicing: 1231003



231087 D.E. Bracket

Replacing: 2005834825

Servicing: 1372001



231134 D.E. Bracket

Replacing: 2005834061

Servicing: 0001367027; -8018; B001816099; -100



231169 D.E. Bracket

Replacing: 1005821860

Servicing: 0001109030; -45; -48; -253; -268; -269; -270



231205 D.E. Bracket

Replacing: 1005821845; 1005831161

Servicing: 0001124013; -4



231274 D.E. Bracket

Replacing: 2005824509; 2005834512

Servicing: 0001358047; -71008; -71009



231563 D.E. Bracket

Replacing: 9001338061; -853; 9003338061; -853; 231599

Servicing: 0001218100; -25; -45; -58; -75; -77; -725; -758; -775; -777; B001233191; -254



231593 D.E. Bracket

Replacing: 6033ad0174; -231; 9001338056; 6033ad3172

Servicing: 0001230001; -1002



231655 D.E. Bracket

Replacing: 1005821413

Servicing: 0001108080; B001111263

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



231656 D.E. Bracket

Replacing: 1005821630

Servicing: 0001108133; B001111439



231657 D.E. Bracket

Replacing: 1005821913

Servicing: 1109033



231660 D.E. Bracket

Replacing: 1005821455; 2005821455

Servicing: 0001107005; -6; -8096; -8097; B001110060; -1270



231661 D.E. Bracket

Replacing: 1005821516

Servicing: 0001110069; -70; -86; -87; -118; -119; B001117068; -610



231696 D.E. Bracket

Replacing: 2005825071

Servicing: 0001410015; -6; -7; -8; -9; -22; -34; -41; -45; -55; -89; -104; -117; -3008; -3009; -3013; -3015; -

---



231710 D.E. Bracket

Replacing: 2005824999; -401; 231658

Servicing: 0001359025; -60024; -62306; -62315; -67007; -68003; -68005; -68047; -68080; -69017; B001806316; -42



231728 D.E. Bracket

Replacing: 2005834068

Servicing: 0001368019; B001816052



231750 D.E. Bracket

Replacing: 2005825359

Servicing: 0001417053; B001411359



231752 D.E. Bracket

Replacing: 2005825326

Servicing: 0001410115; -7045; -7047; B001411325



231791 D.E. Bracket

Replacing: 1005821632

Servicing: 0001107025; -6; -103; -104; B001110114



231792 D.E. Bracket

Replacing: 1005821671

Servicing: 1108143



231847 D.E. Bracket

Replacing: 2005822023

Servicing: 0001211221; -2; -992; -993; B001211098



231848 D.E. Bracket
Replacing: 1005821832
Servicing: 0001109025; -200; -201



232184 D.E. Bracket
Replacing: 1005821976
Servicing: 1107077



233215 D.E. Bracket
Replacing: 6033ad0144; -450
Servicing: 0001230009; -1011



233555 D.E. Bracket
Replacing: 1005821588
Servicing: 0001107010; -38; B001110093



233576 D.E. Bracket
Replacing: 2005824912
Servicing: 0001362064; -301; -8082; -9018; B001812295; -6438



233586 D.E. Bracket
Replacing: 9001338016
Servicing: 1218162



233856 D.E. Bracket
Replacing: 1005821576
Servicing: 0001108123; B001111412



233858 D.E. Bracket
Replacing: 2005834511; -07
Servicing: 0001371006; -7



233943 D.E. Bracket
Replacing: 1005831015; -129
Servicing: 0001106012; -7; -22



233974 D.E. Bracket
Replacing: 1005821892; 1005831173
Servicing: 0001125503; -4; -13; -14; 0123525503



233984 D.E. Bracket
Replacing: 1005821982
Servicing: 1109035



234049 D.E. Bracket
Replacing: 2005834477
Servicing: 1364400

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



234051 D.E. Bracket
Replacing: 1005821890
Servicing: 1116001



234079 D.E. Bracket
Replacing: 1005821534
Servicing: 0001110072; B001117157; -61



234080 D.E. Bracket
Replacing: 1005831220
Servicing: 1108196



234081 D.E. Bracket
Replacing: 2005834487
Servicing: 0001367077; -81



234082 D.E. Bracket
Replacing: 1005821622
Servicing: 0001108130; B001111399



234083 D.E. Bracket
Replacing: 1005821898
Servicing: 0001121008; -9; -26; -27



234084 D.E. Bracket
Replacing: 1005821960
Servicing: 1109034



234138 D.E. Bracket
Replacing: 1005831108
Servicing: 0001121016; -7



234140 D.E. Bracket
Replacing: 1005831135
Servicing: 0001124020; -1



234154 D.E. Bracket
Replacing: 1005821866; 1005831171
Servicing: 0001125501; -2; -11; -12



234157 D.E. Bracket
Replacing: 1005821955
Servicing: 0001109021; -2; -66; -67



234237 D.E. Bracket
Replacing: 1005821988
Servicing: 0001108217; -8; -15008; f000al0101



234241 D.E. Bracket

Replacing: 1005821906
Servicing: 0001107102; -8197; -8205; -8213; -8214; -15005



234246 D.E. Bracket

Replacing: 6033ad0219; 6033AD1097
Servicing: 1223005



234248 D.E. Bracket

Replacing: 2005834837
Servicing: 1372006



234367 D.E. Bracket

Replacing: 1005821811; 1005831181
Servicing: 0001121001; -2; -30; -31; -34; -35



234369 D.E. Bracket

Replacing: 1005831116; -75
Servicing: 0001125507; -8; -17; -18



234370 D.E. Bracket

Replacing: 6033ad0139
Servicing: 0001231007; -30



234372 D.E. Bracket

Replacing: 1005831186
Servicing: 0001107094; -5; -105; -106



234373 D.E. Bracket

Replacing: 2005834705
Servicing: 0001369023; -201



234374 D.E. Bracket

Replacing: 6033ad0076; -280
Servicing: 0001223003; -7; -24



234376 D.E. Bracket

Replacing: 6033ad0082; -448
Servicing: 0001230006; -1005



234393 D.E. Bracket

Replacing: 6033ad0307
Servicing: 1223013



234397 D.E. Bracket

Replacing: 1005831126
Servicing: 0001107091; -109

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



234510 D.E. Bracket

Replacing: 2005825376
Servicing: 0001417064; B001411392



234518 D.E. Bracket

Replacing: 2005825109; 19024616
Servicing: 0001401011; -44; -49; -50; -2053; -2054; -2055; -2075; -2083; BNG4/12CR215SR



234519 D.E. Bracket

Replacing: 2005825183; -278; -393
Servicing: 0001410065; -1017; -1025; -1026; -7005; -7006; -7059; -7073; -7074; 0001714059; B001411178; -96



234532 D.E. Bracket

Replacing: 2005834510; -05
Servicing: Res8358 0001371004; -5



234789 D.E. Bracket

Replacing: 2005834828; -46
Servicing: 0001372002; -4; -7



234790 D.E. Bracket

Replacing: 6033ad0000
Servicing: 1231004



234847 D.E. Bracket

Replacing: 1005831040; -340; -425
Servicing: 0001125018; -9; -48; -49; -605; -606



234848 D.E. Bracket

Replacing: 1005831037
Servicing: 0001125016; -7; -46; -47



234900 D.E. Bracket

Replacing: 6033ad0336
Servicing: 1223014



235036 D.E. Bracket

Replacing: 1005821881; 1005831157
Servicing: 0001121006; -7; -28; -29



235280 D.E. Bracket

Replacing: 1005831053
Servicing: 1116006



235305 D.E. Bracket

Replacing: 1005821713
Servicing: 1108153

Bearing: Cargo 140807.



235583 D.E. Bracket
Replacing: 9001338024
Servicing: 00001218166; 0001218166; -766



235586 D.E. Bracket
Replacing: 6033ad0451; -080
Servicing: 0001230004; -1009



236509 D.E. Bracket
Replacing: 1005831304
Servicing: 0001123002; -3; -202



236640 D.E. Bracket
Replacing: 1005831152
Servicing: 1107093



238845 D.E. Bracket
Replacing: 6033AD4118; -49
Servicing: 0001230027; -1033

I.M. Brackets



136905 I.M. Bracket
Replacing: 1005821326
Servicing: 0001112010; -1; -7; -8; -4003; -4004; -4005; -4006; -4008; -4009; -4010; -4014; -4015; -4016; -4017



137386 I.M. Bracket
Replacing: 2005823099
Servicing: 0001311042; -4; -7; -3003; -3004; -3005; -3006; -3007; -4001; -4002; -4003; -4004; -4005; -4006; -4



137610 I.M. Bracket
Replacing: 9001338863
Servicing: 9000331201



137983 I.M. Bracket
Replacing: 9001338033
Servicing: 9000331203



139064 I.M. Bracket
Replacing: 1005823322
Servicing: 0001311127; -4012; -4013; -4017; -4018; -4022; -4024; -4025; -4026; -4027; -4028; -4029; -4034; -40



139911 I.M. Bracket
Replacing: 2005824881; -465; -649
Servicing: 0001358048; -9; -50; -51; -9001; -9002; -9003; -9008; -9010; -9012; -9013; -9014; -9016; -9018; -90



139912 I.M. Bracket
Replacing: 2005834427
Servicing: 0001364300; -1; -400; -402; A2T48195; B001841010; -2

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



230114 I.M. Bracket

Replacing: 2005824463

Servicing: 0001359023; -31; -35; -40; -50; -51; -54; -59; -66; -89; -92; -98; -60023; -60025; -60036; -60040;



230457 I.M. Bracket

Replacing: 2005834281

Servicing: 0001362321; -31; -3128; -3130; -7036; -7038; -7046; -7051; -7054; -7057; -7061; -7063; -8030; -8031



230727 I.M. Bracket

Replacing: 1005823403

Servicing: 0001314036; -7007; -7008; -7009; -7010; -7011; -7012; -7013; -7014; -7015; -7016; -7017; -7018; -70



231089 I.M. Bracket

Replacing: 2005834593

Servicing: 0001372001; -2; -3; -4; -5; -6; -7; -8



231276 I.M. Bracket

Replacing: 2005834596

Servicing: 0001371004; -5; -6; -7; -8; -9; -12; -14; -17; -18; -20



235602 I.M. Bracket

Replacing: 2005834589

Servicing: 0001370003; -4; -1010; -1013; -1015; -1016; -1019



235622 I.M. Bracket

Replacing: 2005824522; res8388

Servicing: 0001364100; -1; -2; -4; -5; -6; -200; -201; -202; -203; -204; -205; -206; -5004; -5005; -5006; -500

Solenoids



130281 Solenoid

Replacing: 0331100005; -14; 0331101001; -3; 05880; 9009423; 9923794; 9925687; 16.670.127; 63631425; ie14aa

Servicing: 0001400016; -1011; -1012; -1019; -1023; -1026; -1027; -1028; -1041; -1044; -1046; -1047; -1049; -10

V. 12, **B+** Cable



130282 Solenoid

Replacing: 0331100002; -11; -12; 0331101002; -4; -19; 9339991018; 07950; 9927593; 16.670.073

Servicing: 0001402031; -43; -50; -53; -54; -55; -57; -58; -59; -60; -69; -71; -72; -75; -79; -81; -83; -85; AL

V. 24, **B+** Cable



130283 Solenoid

Replacing: 0331100019; -21; -25; 0331101005; -8; -16; 9920699; zm-903; 0331100009

Servicing: 0001410019; -22; -24; -37; -38; -49; -50; -68; -69; -75; -77; -78; -83; -87; -92; -101; -104; -109;

V. 24, **B+** Cable



130293 Solenoid

Replacing: 0331302033; 09185; zm-623; 0331302034; zm-622

Servicing: 0001208006; -7; -17; -18; -30; -31; -11012; -11013; -11018; -11991; 0001311023; -4; AL/EEF0.8/12L1

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131334.



130294 Solenoid

Replacing: 0331302023; -9; -31; -45; -46; -55; -555; 9330141007; -15; 06740; 23343-m8100

Servicing: 0001155016; -7; -7001; -7002; -7003; -7004; -7005; -7007; -7008; -7011; 0001311028; -9; 9000141010;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 130479.



130296 Solenoid

Replacing: 0331400014; -6; -7; -22; 0331401007; -507; 0331402076; 08295; zm-643

Servicing: 0001358017; -8; -20; -26; -28; -32; -33; -35; -38; -40; -47

V. 12, **B+** M10, **Coil bolt** M10

Cap: Cargo 131317.



130297 Solenoid

Replacing: 0331400023; 0331401001; -3; -4; -12; -29; -46; -503; -504; 0331402073; -4; -204; 06780; 9918356; zm-

Servicing: 0001356003; -9001; -9002; -9003; -9006; -9008; -9010; -9012; -9013; -9014; -9016; -9018; -9019; -90

V. 12, **B+** M10, **Coil bolt** M8

Cap: Cargo 131318.



130299 Solenoid

Replacing: 0331400018; -9; -510; 0331401006; -10; -14; -17; -24; -39; -506; -510; 0331402078; 08640

Servicing: 0001354064; -77; -79; -86; -101; -62003

V. 12, **B+** M10, **Coil bolt** M10

Cap: Cargo 131318.



130300 Solenoid

Replacing: 0331400003; -6; -7; -9; -11; 0331401015; -27; -508; 0331402077; -509; 08440; zm-541; 0331400001

Servicing: 0001354016; -8; -29; -80; -82; -85; -91

V. 12, **B+** M10, **Coil bolt** M8

Cap: Cargo 131318.



130301 Solenoid

Replacing: 0331401040; 0331402001; -4; -19; -30; -33; -35; -39; -501; -504; -535; -539; 8997805; 9817926; 99260

Servicing: 0001223501; 0001358048; -50; -51; -9055; -9071; -9074; -9075; -9076; -9085; -9086; -9087; -9088; -9

V. 12, **B+** M10, **Coil bolt** M10

Cap: Cargo 131318.



130302 Solenoid

Replacing: 0331401038; -45; 0331402002; -3; -87; -202; -205; -502; -503; 9330081030; 9959805; zm-1731; zm-531;

Servicing: 0001358049; -201; -9025; -9041; -9053; -9068; -9072; -9073; -9077; -9078; -9081; -9082; -9099; -910

V. 12, **B+** M10, **Coil bolt** M10

Cap: Cargo 131317.



130303 Solenoid

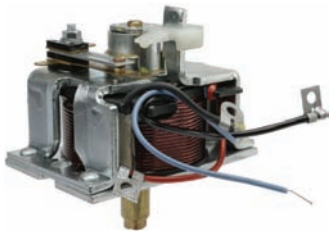
Replacing: 0331402010; -201; -510; 16.905.395; zm-645; 2339402120; -61

Servicing: 0001231003; 0001360022; -37; -56; -8024; -8028; -8055; -8062; -8300; -8307; -8309; B001816010; -204

V. 24, **B+** M10, **Coil bolt** M10

Cap: Cargo 133447.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

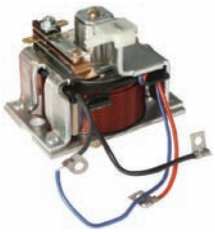


130304 Solenoid

Replacing: 0330105001; 0331450001; -4; -5; 2007022001; 2339450012; 16.150.010; zm-902

Servicing: 0001410015; -6; -7; -21; -29; -32; -34; -35; -41; -43; -44; -46; -52; -58; -61; -62; -63; -65; -67;

V. 24, **B+** Cable



130305 Solenoid

Replacing: 0331450002; 2339450013; zm-904

Servicing: 0001410019; -22; -24; -37; -38; -49; -50; -68; -69; -75; -77; -78; -83; -87; -92; -101; -104; -109;

V. 24, **B+** Cable

Insulated return.



130468 Solenoid

Replacing: 0331302040; -51; -64; -66; -89; -93; zm-521

Servicing: 0001208044; -51; -52; -207; -210; -214; -233; -252; -406; -11025; -11215; -11221; -11222; -11225; -

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131335.



130470 Solenoid

Replacing: 0331302054; -63; -91; zm-526; 0331302083; 130469

Servicing: 0001208049; -55; -206; -249; -255; -11229; -11989; -11995; -11996; 0001311046; -9; -101; -109; -113

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131345.



130471 Solenoid

Replacing: 0331302042; -7; -70; -75; -570; zm-724; 0331302082

Servicing: 0001208053; -4; -254; 0001311025; -7; -45; -4006; B001311054

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 130479.



130474 Solenoid

Replacing: 0331303004; -9; -18; -23; -47; -73; -509; zm-576; 0331303573; 134377

Servicing: 0001208400; -12202; -12204; -12205; -12206; -12207; -12211; -12212; -12400; -12401; 0001312104; -5;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131337.



130475 Solenoid

Replacing: 0331303005; -16; -28; -31; 2339303283; 9936594; zm-578

Servicing: 0001108004; -19; -20; -39; -100; -158; -12037; 0001208219; -20; -23; -33; -409; -501; -513; -514; -

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131847.



130476 Solenoid

Replacing: 0331302087; 0331303003; -7; -10; -15; -19; -30; -38; -40; -503; -530; 2339303270; 9330081039; zm-571

Servicing: 0001108021; 0001208200; -1; -8; -11; -13; -21; -22; -26; -28; -506; -11213; -11214; -11218; -11219;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131338.



130477 Solenoid

Replacing: 0331400024; 0331401002; 0331402081; 11400; 9006208; zm-642

Servicing: 0001360003; -4; -5; -10; -12; -13; -17; -18; -47; -53; 9000143302

V. 24, **B+** M10, **Coil bolt** M10

Cap: Cargo 131318.



130806 Solenoid

Replacing: 0331401011; -3; -26; -35; 0331402016; 16.670.124; 0331401011; zm-4744

Servicing: 0001362001; -2; -4; -5; -6; -7; -8; -10; -11; -18; 9000143400

V. 12, **B+** M10, **Coil bolt** M10

Cap: Cargo 131318.



130939 Solenoid

Replacing: 0331402051; -3; -206; -706; 9926496; zm-545; zm-1545

Servicing: 0001360002; -7; -8; -9; -3101; -3103; -3104; -3105; -3106; -3107; -3108; -3109; -3110; -3112; -3113

V. 24, **B+** M10, **Coil bolt** M10

Cap: Cargo 131318.



131042 Solenoid

Replacing: 0331402013; -200; -513; zm-644; 0331402701

Servicing: 0001359043; -84; -111; -67034; -67039; -67059; -67300; -67301; -67303; B001816009; -203; -325; -507

V. 12, **B+** M10, **Coil bolt** M10

Cap: Cargo 133447.



131053 Solenoid

Replacing: 0331402005; -208; 9330142004; -504; 12320; 16.670.119; zm-638; 9330081042; 0331402044

Servicing: 0001360023; -5; -36; -40; -49; -4103; -4108; -8018; -8030; -8031; -8041; -8071; -8081; -8303; -8310

V. 24, **B+** M10, **Coil bolt** M10

Cap: Cargo 131318.



131141 Solenoid

Replacing: 0331402006; -42; -43; -68; -70; -209; -570; 12490; 9817132; 9956666; 79026087; zm-648; 0331402034; 2

Servicing: 0001359051; -89; -97; -98; -62039; -62317; -62318; -62321; -62322; -62323; -62601; -62605; -62700;

V. 12, **B+** M10, **Coil bolt** 3

Cap: Cargo 131318. Rubber boot: Cargo 135576.



131142 Solenoid

Replacing: 0331402023; -9; SH222

Servicing: 0001359104; -9; -10; -26; -27; -62067; -62082; -67006; -67022; -67035; -67055; -67056; -67069; B001

V. 12, **B+** M8, **Coil bolt** M10

Cap: Cargo 131319.



131143 Solenoid

Replacing: 0331303006; -26; -49; -58; -506; 2339303296; 9330081065; 9936660; 82368225; zm-575; -878; 0331303153

Servicing: 0001107009; -12; -13; -24; -33; -60; -85; -8099; -8129; -8147; -9012; -9017; -9049; -10005; -10012;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131315.



131189 Solenoid

Replacing: 0331402027; -8; -96; -528; zm-653; 78gb11390aa

Servicing: 0001362044; -5; -61; -79; -81; -602; -603; -606; -607; B001812311; -23; -24; -49; -422; -426

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133159.



131308 Solenoid

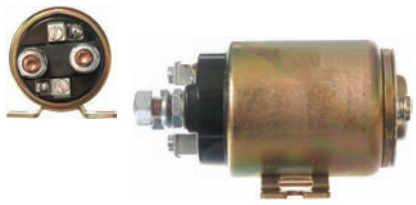
Replacing: 331303043

Servicing: 0001208224; -5; B001208189; -201

V. 12, **B+** M8, **Coil bolt** M8

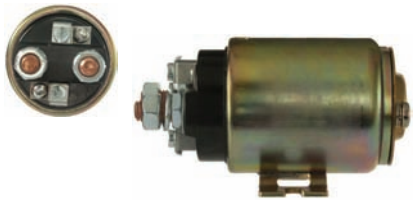
Cap: Cargo 131315.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



131372 Solenoid

Replacing: 0333009002; 19024760; 12690
Servicing: 333009002
V. 24, **Amp.** 150, **B+** M8,
Intermittent load 800 Amp., **Seconds** 5,
Coil bolt M8
Silver contacts.



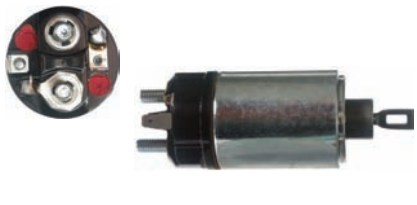
131373 Solenoid

Replacing: 0333009004; 19024761; 12700
Servicing: 333009004
V. 12, **Amp.** 150, **B+** M8,
Intermittent load 800 Amp., **Seconds** 5,
Coil bolt M8
Silver contacts.



131586 Solenoid

Replacing: 0331303002; -13; -59; -92; 2339303231; 0331303024; -9; -32; -41; -71; -231; zm-573; 0331303559; -71;
Servicing: 0001106001; -2; -4; -7003; -7004; -7007; -7008; -8001; -8002; -8005; -8009; -8010; -8014; -8016; -8
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131337.



131790 Solenoid

Replacing: 0331302062; 12310; zm-522; -722; 0331302094; 131026
Servicing: 0001208100; -1; -202; -405; -11200; -11201; -11241; 0001311103; -8; -12; -24; B001208067; -75; -111
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 130479.



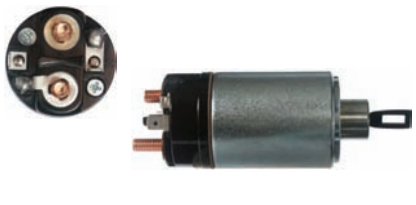
131791 Solenoid

Replacing: 0331303008; -33; -74; -78; -84; -240; -241; -250; 2339303240; -1; -50; 2339304249; zm-574; zm-1573;
Servicing: 0001108012; -25; -30; -38; -61; -62; -88; -89; -90; -91; -92; -10027; -57026; 0001311100; -25; -402
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132279.



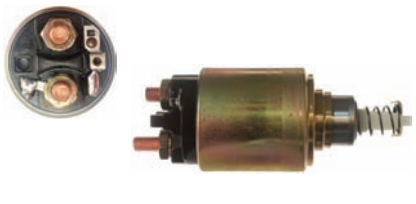
131793 Solenoid

Replacing: 0331303046; -68; -100; -102; -110; -126; -602; -626
Servicing: 0001107015; -44; -66; -8011; -8018; -8024; -8031; -8042; -8050; -8054; -8079; -8081; -8093; -8150;
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131315.



131794 Solenoid

Replacing: 0331302059; -77; 9330141014; -8; 0331302092
Servicing: 0001157009; -10; -12; -13; -15; -16; -17; -21; -23; 9000141101; -4; -7; -8; -14
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 130479.



132252 Solenoid

Replacing: 0331401032; 0331402017; -32
Servicing: 0001362009; -12; -4106; 9000143002; B001819072
V. 12, **B+** M10, **Coil bolt** M10
Cap: Cargo 131317.



132253 Solenoid

Replacing: 0331402024; -524
Servicing: 0001358202; -9094; -62307; -67071; B001812330; -6275
V. 12, **B+** M10, **Coil bolt** M10
Cap: Cargo 131317.



132254 Solenoid

Replacing: 0331402031; -6; 9959806; 9984108; 79033664; zm-649; 9330081045
Servicing: 0001360027; -8016; -8019; -8020; -8021; -8037; -8056; -8059; -8063; -8086; -8311; 9000083065; B0018
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 131318.



132255 Solenoid

Replacing: 2339402171; -7
Servicing: 0001363111; 9000143601; -2
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 131318.



132258 Solenoid

Replacing: 0331303048; -61; -154; 2339303263; zm-674; 0331303654
Servicing: 0001108124; -49; -10075; -10091; -15006; 0001218006; -7; -9; -11; -16; -21; -23; -108; -110; -122;
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132780.



132260 Solenoid

Replacing: 0331303037; 9339303222
Servicing: 0001317009; -10; -18; -19; B001329010
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131315.



132261 Solenoid

Replacing: 0331303034; 131792
Servicing: 0001317005; -6; -7; -8; -11; -12; -14; -15; -20; -21; -24; B001329009; -13; -44
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133202.



132263 Solenoid

Replacing: 0331303042; -67; -69; 9939127; 0331303567; 132257; 133423
Servicing: 0001108024; -50; -107; -153; -10063; -57028; 0001208710; -11248; -11504; -11505; -18008; -18010; -1
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131315.



132264 Solenoid

Replacing: 0331303079; -81
Servicing: 0001108023; -75; -10079; B001111266; -7275
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132282.



132265 Solenoid

Replacing: 0331303066; zm-873; 9330081062
Servicing: 0001109003; -10017; -10999; 0001208507; -16; -18; -707; 0001314046; 0001507707; 9000082062; B001116
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131315.



132266 Solenoid

Replacing: 0331303082; -582
Servicing: 0001218017; -130; -730; B001233098; -204
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132282.



132267 Solenoid

Replacing: 0331303060; -83; -90; -91; -97; -122; -560; -597; 134379
Servicing: 0001218004; -5; -12; -13; -18; -19; -20; -24; -101; -103; -111; -112; -113; -114; -115; -118; -119;
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132282.



132271 Solenoid

Replacing: 9330331071; 23159-1; 29159-1; 29159-11
Servicing: MOA12-10; -3
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132722.



132272 Solenoid

Replacing: 9339331001; 32688-1; 1965279
Servicing: MOK12-1
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132723.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



132294 Solenoid

Replacing: 0331402012; -207; -707; zm-641
Servicing: 0001360039; -44; -48; -54; -57; -8003; -8008; -8011; -8015; -8023; -8025; -8032; -8044; -8046; -805
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 132677.



132299 Solenoid

Replacing: 331303086
Servicing: 0001108033; -5; -7; -40; -57; -71; -82; -83; -84; -10019; -10043; -10044; -10051; -12009; -12012; -
V. 12, **B+** M8
Cap: Cargo 132300.



132361 Solenoid

Replacing: 0331402015; -515; zm-647; 0331402037
Servicing: 0001360012; -6; -24; -35; -41; -45; -58; -60; -8001; -8005; -8007; -8013; -8020; -8033; -8042; -804
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 131317.



132362 Solenoid

Replacing: 0331402021; -55; zm-736; 135316
Servicing: 0001364102; -200; -203; -206; -300; -301; -400; -402; B001819014; -202; -212; -41010; -41012
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 131317.



132363 Solenoid

Replacing: 0331402008; -508; zm-732; 0331402054
Servicing: 0001363111; -4100; -4101; -4104; -4105; -8057; 9000143601; -2; B001813222; -6384; -9002; -9010; -90
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 131318.



132803 Solenoid

Replacing: 331101011
Servicing: 0001413001; -3; -6; -7; -8; -9; -10; -11; -12; -13; -14; -17; -18; -8001; -8002; -8003; -8004; -800
V. 12



132827 Solenoid

Replacing: 0331303045; -64; -70; zm-676; zm-2573
Servicing: 0001107005; -6; -8043; -8044; -8059; -8060; -8096; -8097; -8118; -8119; -9001; -9002; -10002; -1001
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133202.



132828 Solenoid

Replacing: 0331303094; zm-773; 2339303232; 9330081050; 2339303403
Servicing: 0001108072; -3; -101; -102; -10029; -10030; -10100; -10101; -12005; -12006; -12013; -12014; -14003;
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131337.



132890 Solenoid

Replacing: 331302090
Servicing: 0001157020; -2
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131345.



133096 Solenoid

Replacing: 0331401025; -33; 8050018000; 9610010; -100; we10a
Servicing: 0001360014; -6; -24
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 133157. Lever: Cargo 131183.



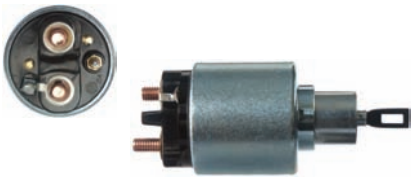
133141 Solenoid

Replacing: 0331302010; -8; -36; -71; -76; -518; -571; zm-525; 9330041009
Servicing: 0001208011; -9; -27; -32; -11006; -11010; -11020; -11204; -11205; -11209; -11210; 0001311021; -5005
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132778.



133398 Solenoid

Replacing: 331401008
Servicing: 0001354004; -5; -7; -10; -21; -41; -80; -81; -85; -87; -88; -89; -90; -92; -93; -95; -99; -100; -10
V. 12, **B+** M10, **Coil bolt** M10
Cap: Cargo 131317.



133419 Solenoid

Replacing: 331303089
Servicing: 0001218022; -104; -105; -106; B001233107; -59; -60; -63; -92; -95
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132300.



133421 Solenoid

Replacing: 0331303055; -6; -76; -132; zm-876; 0331303555; 134375
Servicing: 0001110009; -10; 0001208425; -6; -8; -9; -11253; -11254; 0001317016; -7; B001117030; B001208256; -1
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133148.



133422 Solenoid

Replacing: 0331303109; 9330331013; 0331303609; zm-1976; 9330331513
Servicing: 0001211536; -8174; -8774
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132779.



133424 Solenoid

Replacing: 0331303124; -5; -600; zm-775; 9330081066; 0331303167; 2339303256; zm-1479; 2339303207; -51; 133425;
Servicing: 0001107015; -44; -66; -89; -91; -97; -8018; -8079; -8093; -8126; -8150; -8151; -8159; -8177; -10055
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138004.



133428 Solenoid

Replacing: 0331302096; -596; zm-727; 5206626
Servicing: 0001208403; 0001311050; -1; -2; -5; -6; -4003; -4008; -4009; -4010; -4011; B001208133
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133777.



133472 Solenoid

Replacing: 0331402089; zm-640
Servicing: 0001368064; -5; B001816406; -8
V. 24, **B+** M8, **Coil bolt** M10
Cap: Cargo 133473.



133487 Solenoid

Replacing: 331450009
Servicing: 0001413001; -3; -6; -7; -8; -9; -10; -11; -12; -13; -14; -17; -18; -8001; -8002; -8003; -8004; -800
V. 12



133554 Solenoid

Replacing: 0331100016; 0331101006; -9; 16.670.012; zm-901
Servicing: 0001410015; -6; -7; -21; -29; -32; -34; -35; -41; -43; -44; -46; -52; -58; -61; -62; -63; -65; -67;
V. 24

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



133636 Solenoid

Replacing: 0331302039; -44; zm-524; 0331302049

Servicing: 0001208036; -7; -8; -9; 0001311026; -30; -31; -39

V. 12, **B+** M8, **Coll bolt** M8

Cap: Cargo 130479.



133642 Solenoid

Replacing: 0331302003; -50; zm-628; 0331302009; -2; -26

Servicing: 0001208001; -3; -9; -25; -26; -33; -48; -9002; -9003; -11003; 0001311035; -41; -3001; -3003; -3004;

V. 12, **B+** M8, **Coll bolt** M8

Cap: Cargo 132778.



133643 Solenoid

Replacing: 0331302056; zm-726

Servicing: 0001311042; -4001; -4004; B001315003

V. 12, **B+** M8, **Coll bolt** M8

Cap: Cargo 132781.



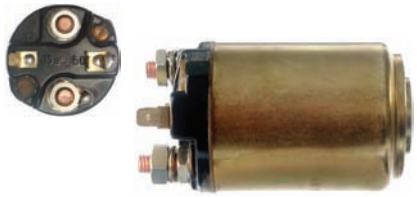
133644 Solenoid

Replacing: 0331303012; zm-772

Servicing: 0001314005; -28; -29; -30; -41; B001315038; -118; -141; -143; -174

V. 12, **B+** M8, **Coll bolt** M8

Cap: Cargo 132780.



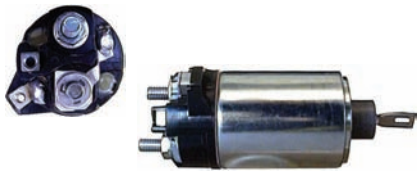
133736 Solenoid

Replacing: 9330451002; 229-39

Servicing: 9000451024

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133737.



134275 Solenoid

Replacing: 0331302048; zm-625

Servicing: 0001208046; -7; -56; -58; -59; -258; 0001313002

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 132778.



134376 Solenoid

Replacing: 0331303057; -104; zm-476; 0331303557; -604

Servicing: 0001212213; -4; -402; -403; B001229016; -202

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133148.



134378 Solenoid

Replacing: 0331303101; -234; 2339303234; -402; -429

Servicing: 0001110022; -3; -45; -46; -66; -67; -106; -107; B001117129; -54

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131315.



134823 Solenoid

Replacing: 0331302024; -32; -72; -74; -524; zm-626

Servicing: 0001212002; -3; -5; -6; -7; -8; -12; -13; -209; 0001312100; B001229009

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131335.



134824 Solenoid

Replacing: 0331303147; -647; 2339303211; -22; -25; -58; -65; -339; -722; -724; 9330081068; zm-972; 2339303351;

Servicing: 0001107003; -4; -8; -20; -21; -22; -23; -25; -26; -52; -53; -103; -104; -9006; -9007; -10076; -1007

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 134825.



135065 Solenoid

Replacing: 0331303035; -53; zm-874; 132259

Servicing: 0001108003; -120; -10016; -10078; 0001314027; -36; B001111010; -44; -326; -7042; B001315126

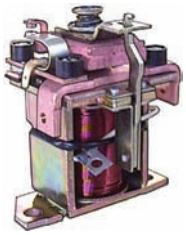
V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 132780.



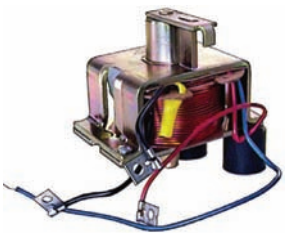
135358 Solenoid

Replacing: 0331302058; -61; -107; -597; 0331502097; zm-528; -729; 230322
Servicing: 0001208227; -12011; -15001; -15003; 0001312102; -10; -11; B001322012; -22; -25
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132778.



135380 Solenoid

Replacing: 331100023
Servicing: 0001510001; -2; -3; -5; -8; -9; -10; -17; -18; -19; -20; -21; -22; -23; -24; -25; -26; -27; -28; -3
V. 24



135381 Solenoid

Replacing: 0311451002; 0331451001; -2
Servicing: 0001510001; -2; -3; -5; -8; -9; -10; -17; -18; -19; -20; -21; -22; -23; -24; -25; -26; -27; -28; -3
V. 24



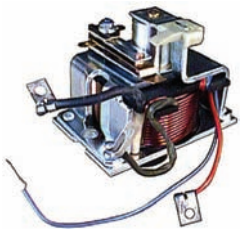
135526 Solenoid

Replacing: 0331303165; 9330331002; zm-976; 0331303665
Servicing: 0001218152; -812; -817; -818; 9000331201; -423; -428; -430; B001233216
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132779.



135583 Solenoid

Replacing: 331303050
Servicing: 0001218002; -151; -164; -602; -764; 9000331420; B001233035; -190
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131315.



135862 Solenoid

Replacing: 331450010
Servicing: 0001413004; -5; -8009; -8011; B001418009
V. 12
Insulated return.



135871 Solenoid

Replacing: 0331302004; -5; -13; -513; zm-621
Servicing: 0001207001; -3; -5; -9; -15; -16; -17; -18; -19; -20; -9014; 0001310007; -8; -9; -10; -18; -19; AL/
V. 6, **B+** M8, **Coil bolt** M8
Cap: Cargo 131335.



135878 Solenoid

Replacing: 0331302053; zm-624
Servicing: 0001208050; -250; -17001; 0001311032; -3; -4; -7; -8; -48
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131334.



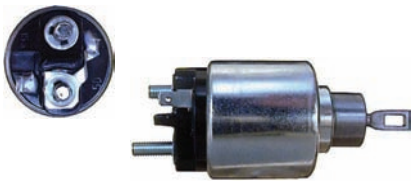
136025 Solenoid

Replacing: 0331302011; -25; -27; -30; -43; -52; -543
Servicing: 0001208006; -7; -14; -17; -18; -23; -24; -29; -32; -11005; -11016; -11017; -11023; -11026; -14002;
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131335.



136036 Solenoid

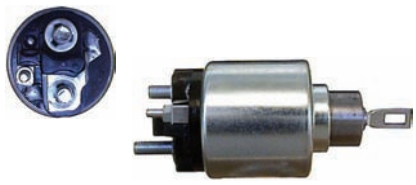
Replacing: 0331303116; -7; -616; 2339303246; zm-475; 136035; 0331303617; -120
Servicing: 0001108063; -4; -5; -108; -115; -10041; -10110; 0001218027; -8; -134; -135; -136; -735; -736; 00013
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 136108.w/ 30H terminal.



136369 Solenoid

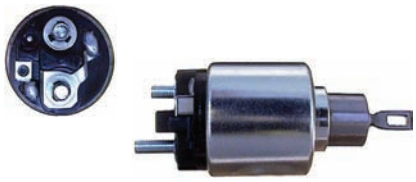
Replacing: 0331303062; -72; -121; -155; -562; 2339303209; -23; -311; zm-777; 0331303039; zm-1777; 139342
Servicing: 0001108022; -74; -143; -180; -182; -10003; -10026; -10089; -10095; -10114; -12025; -15001; 00012085
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132779.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



136370 Solenoid

Replacing: 0331303106; zm-779
Servicing: 0001108051; -6; B001111150; -70
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 137706.



136371 Solenoid

Replacing: 0331303017; -115; -135; -263; 2339303261; zm-778
Servicing: 0001108098; -10039; -10053; -10113; 0001211231; B001111071; -7050; -7149
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139213.



136382 Solenoid

Replacing: 9330141023
Servicing: 9000141111; -2
V. 12, **B+** M8, **Coil bolt** M8



136544 Solenoid

Replacing: 0331302106; zm-728; 0331302088
Servicing: 0001208203; -5; 0001311146; 9000142101; -2; B001208085; -101
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 130479.



136615 Solenoid

Replacing: 0331303146; 2339303245
Servicing: 0001110071; -2; B001117153; -7; -61
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 136108.w/ 30H terminal.



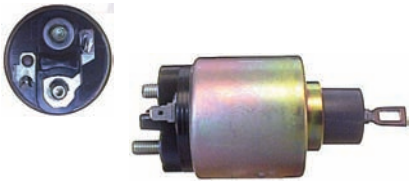
136692 Solenoid

Replacing: 0331410002; -3; -5; -8; -10; 2007010128; -31; 133369
Servicing: 0001420001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -24; -25; -29; B001420022
V. 24, **B+** 1/2"UNC, **Coil bolt** 1/2"UNC
5 terminals.



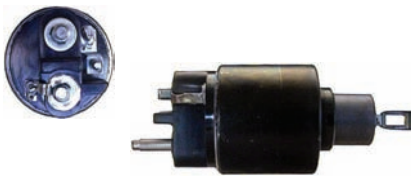
136717 Solenoid

Replacing: 9330331006; zm-975
Servicing: 0001218168; -768; -820; -821; 9000331432; -3
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132779.



136779 Solenoid

Replacing: 0331303095; 9330141039; 2339303252; zm-2777
Servicing: 0001112007; -32; 9000333114; B001180019
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132779.



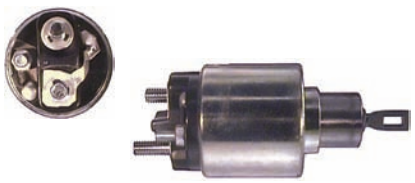
136786 Solenoid

Replacing: 0331303130; -236; 2339303236; 0331303630
Servicing: 0001107019; -8085; -8086; -8130; -8138; B001110044; -1257; -1258; -1399; -1455
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231054.



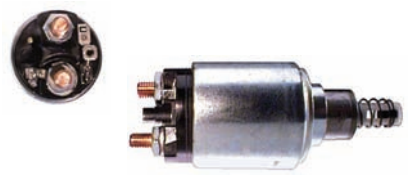
136852 Solenoid

Replacing: 0331303145; -229; 2339303229; -48; -91; -324; -407
Servicing: 0001108113; -4; -74; -75; -220; -221; -10122; -10123; -10126; -10127; -10128; -10129; -10136; -1013
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 137815.



137175 Solenoid

Replacing: 0331303118; -272; zm-473; 1331303613; 0331303133; 2339303272; -1; -396
Servicing: 0001110040; -7; -59; -5011; -5013; B001117250; -5; -72
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138003.



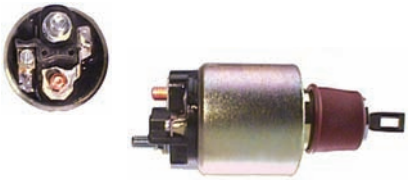
137232 Solenoid

Replacing: 0331402107; -607; 2339402111; zm-743; 2339402611
Servicing: 0001367077; -9014; B001828111
V. 12, **B+** M10, **Coil bolt** M10
Cap: Cargo 131317.



137266 Solenoid

Replacing: 0331303142; -642; 2339303220; -315; -318; zm-4473; 137878
Servicing: 0001107010; -38; -9015; -12017; -16006; B001110093; -80054
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138003.



137276 Solenoid

Replacing: 9330331010; -510; zm-1975
Servicing: 0001218172; -772; -23002; -23016; -23021
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139213.



137368 Solenoid

Replacing: 0331402011; zm-734
Servicing: 0001365004; -5; -6; -7; -8; B001819001; -9; -15; -117
V. 12, **B+** M10, **Coil bolt** M10
Cap: Cargo 131318.



137443 Solenoid

Replacing: 0331401009; -509; zm-742
Servicing: 0001354012; -27; -83; -84; -94; -96; -108; -113
V. 12, **B+** M10, **Coil bolt** M10
Cap: Cargo 134383.



137490 Solenoid

Replacing: 0331303143; -643; 2339303237
Servicing: 0001108112; -25; -28; -12019; -12029; B001111347; -90; -432; -80044; -80063
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139525.



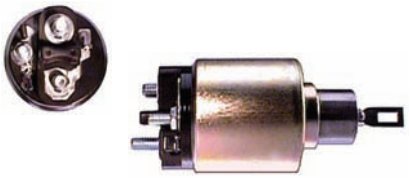
137491 Solenoid

Replacing: 9330331001; 2339303857
Servicing: 0001218157; -757; -23001; -23014
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231565.



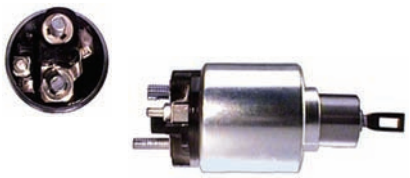
137612 Solenoid

Replacing: 2339304008; F000SH0125; zm-679; f00sh0125; -31
Servicing: 0001108162; -12041; -16003
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 234845.



137613 Solenoid

Replacing: 2339303001; -201; -206; -706; zm-2473; zm-1473; 136793
Servicing: 0001107034; -45; -56; -8148; -8170; B001110097
V. 12, **B+** M8
Cap: Cargo 138003.



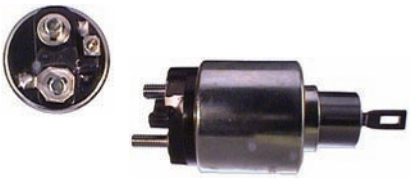
137693 Solenoid

Replacing: 0331303107; zm-677
Servicing: 0001108052; -154; B001111171
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 137706.



137696 Solenoid

Replacing: 0331303134; 2339303273; zm-472
Servicing: 0001110060; -73; B001117271; -4
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138004.



137826 Solenoid

Replacing: 0331303020; -108; -520; zm-577; -877
Servicing: 0001108013; -32; -45; -46; -66; -68; -69; -70; -998; -999; -10024; 0001208404; -7; -13; -20; -21; B
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 137876.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



137877 Solenoid

Replacing: 2339303212; -712
Servicing: 1110102
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 232416.



137879 Solenoid

Replacing: 2339304005; -9; -10; -13; -40; -46; zm-379
Servicing: 0001107442; -3; -8157; -8169; -8401; -9025; -9200; -9201
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231558.



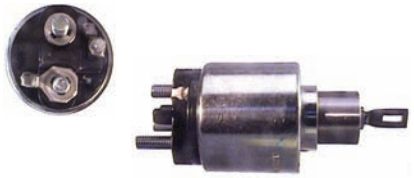
137951 Solenoid

Replacing: 0331303159; -659; zm-3473
Servicing: 0001108123; B001111412
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138003.



137982 Solenoid

Replacing: 2339303254; -411; -438
Servicing: 0001107054; -5; -68; -69
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139598.



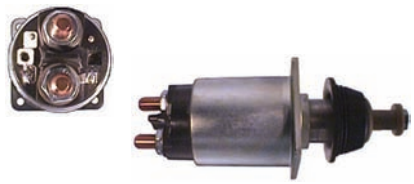
138005 Solenoid

Replacing: 0331303137; 2339303208; zm-675; 0331303169
Servicing: 0001108103; -4; -5; -34; -35; -995; -996; -997; B001111338; -9; -40; -44; -53; -415
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138006.



138257 Solenoid

Replacing: 0331303096; -596; 2339303276; zm-3674
Servicing: 0001111001; -5; 0001219001; -7; -10; -13; -14; 9000332401; -2; B001111052; B001235003; -12; -19
V. 24, **B+** M8, **Coil bolt** M8
Cap: Cargo 132780.



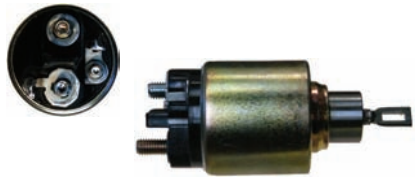
138311 Solenoid

Replacing: 2339403006; -506; zm-833; 138311N; 610287
Servicing: 0001371004; -6; -8
V. 24, **B+** M12, **Coil bolt** M12
Cap: Cargo 234917. Boot: Cargo 231553.



138313 Solenoid

Replacing: 0331402106; -606; zm-3640
Servicing: 0001369015; -21; -200; B001828107; -13
V. 12, **B+** M8, **Coil bolt** M10
Cap: Cargo 232024.



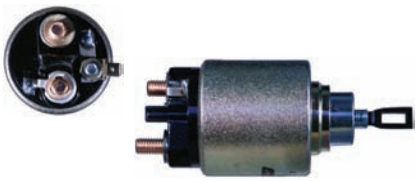
138763 Solenoid

Replacing: 2339304015; -47; -50
Servicing: 0001107043; -87; -407; -410; -417; -418; -499; -500; -501; -502; -8408; -9204; -9340; -9341
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 137349.



138782 Solenoid

Replacing: 2339303257; -9; zm-1474
Servicing: 1107048
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132780.



138877 Solenoid

Replacing: 0331304001; 2339304001; zm-371; 0331304053
Servicing: 0001106011; -20; -7016; -7040; -7041; -7046; -7059; -7082; -8121; -8122; -8155; -8168; -13010; B001
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 137349.



138971 Solenoid

Replacing: 0331303140; -640; zm-973; 0331303540
Servicing: 0001107014; -27; -28; -29; -8087; -8106; -8109; -8110; -8111; -8116; -8117; -8132; -8133; -8139; -8
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138004.



139014 Solenoid

Replacing: 0331303168; 2339303279; 9330331009; zm-1575
Servicing: 0001108144; -9008; -9040; -9043; -9044; -10120; 0001218171; -771; 0001314047; -8; -9; B001116015; B
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131315.



139018 Solenoid

Replacing: 9330331012; zm-3773
Servicing: 1218173
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131315.



139019 Solenoid

Replacing: 2339304003; zm-374
Servicing: 0001107047; -12036
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231815.



139068 Solenoid

Replacing: 0331303103; zm-1674
Servicing: 0001218025; -9; -107; -109; -160; B001233017; -112; -168; -174
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132780.



139069 Solenoid

Replacing: 2339303202; -94; -306; zm-978; 230244
Servicing: 0001107030; -75; -79; -9034; -10132
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139597.



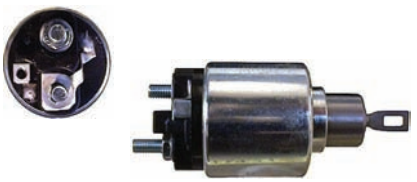
139075 Solenoid

Replacing: 2339304006; -7; -23; zm-372; 139787
Servicing: 0001107062; -7; -72; -76; -78; -83; -96; -403; -8166; -8167; -8173; -8181; -9028; -9029; -9031; -90
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231802.



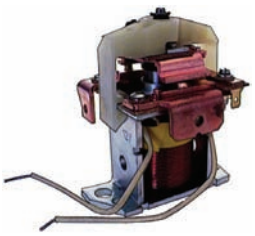
139210 Solenoid

Replacing: 0331303098; 2339303281; zm-474
Servicing: 0001110011; -111; B001117027
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139211.



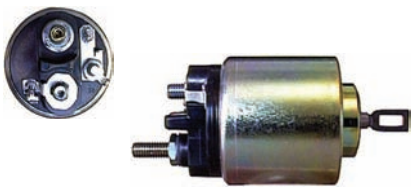
139212 Solenoid

Replacing: 0331303022; -522; 9330081064; zm-672; 9330091064; 5206607; 5213077
Servicing: 0001208209; -26; 9000081006; -2064; -2076; -2078; 9000142001; -2; -14; B001208122
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138926.



139466 Solenoid

Replacing: 331101012
Servicing: 0001413004; -5; -8009; -8011; B001418009
V. 12



139498 Solenoid

Replacing: 2339303227; f010sh0105
Servicing: 0001108202; -9018; -9030; -9045; -9048; -9253; F002G20506
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138004.



139500 Solenoid

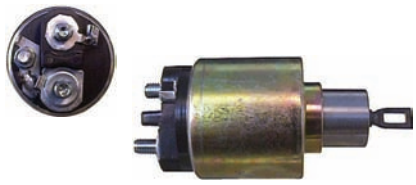
Replacing: 9330331004; 2339303320; -853
Servicing: 0001107088; 0001218166; -766; F005M00021
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139597.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



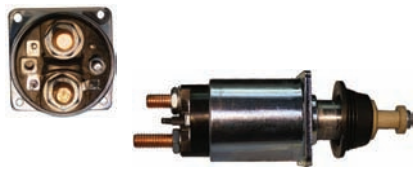
139507 Solenoid

Replacing: 2339402110
Servicing: 1368085
V. 24, **B+** M10, **Coil bolt** M10
3 terminaler.



139549 Solenoid

Replacing: 0331303164; zm-3775; 0331303317
Servicing: 0001107011; -39; -12018; B001110092; -80055
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138004.



139965 Solenoid

Replacing: 2339403009; -509; zm-834; 2339403014; zm-836
Servicing: 0001371010; -3; -5; -6; -8; -2002; -2003; -2007; -2008
V. 24, **B+** M12, **Coil bolt** M12
Cap: Cargo 235005. Boot: Cargo 231553.



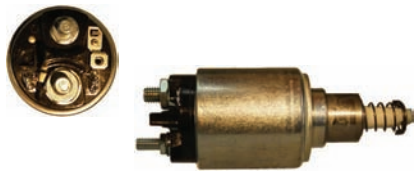
139967 Solenoid

Replacing: 0331403003; -4; 2339403008; -10; zm-835; 138331
Servicing: 0001371001; -19; -2001; -2005; -2006
V. 24, **B+** M12, **Coil bolt** M12
Cap: Cargo 230087. Plunger boot: Cargo 231553.



230115 Solenoid

Replacing: 2339304011
Servicing: 0001107063; -176; -8176; -9026
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231828.



230192 Solenoid

Replacing: 331402065
Servicing: 0001362093; -604; B001812244
V. 12, **B+** M8, **Coil bolt** M10



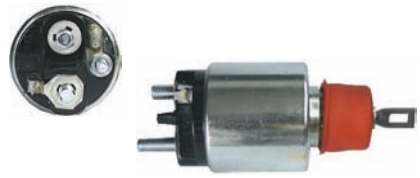
230258 Solenoid

Replacing: 0331303170; 2339304022; 0331303670
Servicing: 0001113006; -6005
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231882.



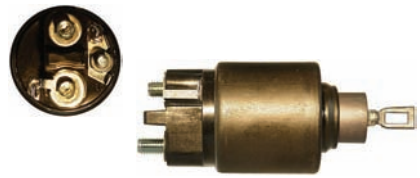
230323 Solenoid

Replacing: 2339303210; zm-477
Servicing: 0001107031; -2; -8160
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138004.



230324 Solenoid

Replacing: 2339303221; zm-1477
Servicing: 0001107049; 9007045009; -20
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138004.



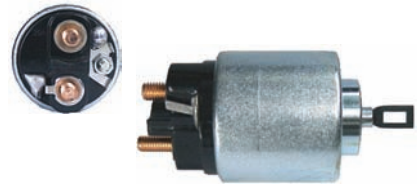
230356 Solenoid

Replacing: 2339304002; -18; -19; -21; -39; zm-2371
Servicing: 0001107037; -62; -67; -72; -76; -78; -83; -96; -403; -406; -8166; -8167; -8173; -8181; -9014; -9028
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 233075.



230386 Safety Switch

Replacing: 1337210726; -8; 128800-3140; 182800-3140; 1337210731
Servicing: 0001371010; -3; -5; -6; -8; -9; -2001; -2002; -2003; -2005; -2006; -2007; -2008
V. 24



230431 Solenoid

Replacing: 9337043019
Servicing: 9007045016
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138004.



230452 Solenoid

Replacing: 2339402132
Servicing: 0001223506; -30006; -30012; -30014
V. 12, **B+** M10, **Coil bolt** M10
Cap: Cargo 231825.



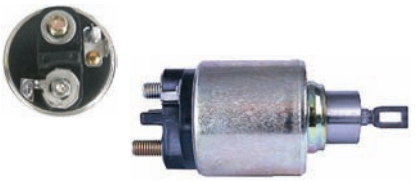
230635 Solenoid

Replacing: 2339303267
Servicing: 0001107102; -8197; -8205; -15005
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 233925.



230847 Solenoid

Replacing: 2339303282
Servicing: 1109033
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138004.



230848 Solenoid

Replacing: 2339304020; -5; zm-373
Servicing: 1116001
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 234437.



230904 Solenoid

Replacing: 2339402117; -56; -80
Servicing: 1231002
V. 24, **B+** M10, **Coil bolt** M8
Cap: Cargo 230278.



231203 Solenoid

Replacing: 2339304038; 2339305002; 2339304055
Servicing: 0001106012; -7
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 233786. Moving contact: Cargo 234439.



231217 Solenoid

Replacing: 0331303127; 2339303204; 0331303627; zm-1475
Servicing: 0001108080; -146; B001111263; -423
V. 12, **B+** M8, **Coil bolt** M8



231223 Solenoid

Replacing: 2339402143; 6033ad4031; zm-8640
Servicing: 0001230007; -20; -21; -22
V. 12, **B+** M10, **Coil bolt** M10



231267 Safety Switch

Replacing: 6033ad0086; -440
Servicing: 0001231002; -16
V. 24



231653 Solenoid

Replacing: 6033ad0312; zm-2479
Servicing: 1223013
V. 12, **B+** M8, **Coil bolt** M8



231711 Solenoid

Replacing: 2339402139; -16; -60; -67; -82; -89; -90
Servicing: 0001231001; -7; -8; -9; -10; -11; -19; -29; -30
V. 24, **B+** 20.6, **Coil bolt** 3
Cap: Cargo 232195.



231790 Solenoid

Replacing: 0331303151; 2339303333; 0331303651
Servicing: 0001115012; 0001218140; -50; -56; -62; -740; -23005; B001233245; -64; -95
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 233488.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



231801 Solenoid

Replacing: 2339402115; zm-1640
Servicing: 0001369023; -101; -201
V. 12, **B+** M8, **Coil bolt** M10
Cap: Cargo 131319.



231975 Solenoid

Replacing: 0331400008; -68; 44-964; zm-633
Servicing: 0001354016; -8; -31; -80; -85; EJD1,8/12R70
V. 12, **B+** M10, **Coil bolt** M10



232182 Solenoid

Replacing: 2339303285; 0331303410
Servicing: 0001107070; -1
V. 12, **B+** M8, **Coil bolt** M8



232185 Solenoid

Replacing: 2339303319; -54; -86
Servicing: 0001124018; -9; -5505; -5506
V. 12, **B+** M8, **Coil bolt** M8



232186 Solenoid

Replacing: 2339303309; 234988
Servicing: 1109041
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131315.



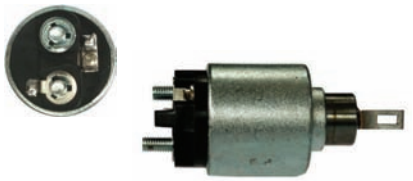
232188 Solenoid

Replacing: 2239304033; 2339304033; -54
Servicing: 0001106022; -3; -4
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 234438.



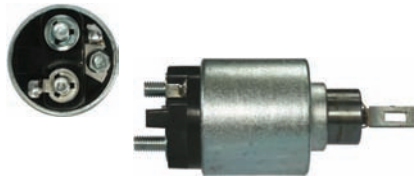
232191 Solenoid

Replacing: 2339304024
Servicing: 1107077
V. 12, **B+** M8, **Coil bolt** 3
Cap: Cargo 231882.



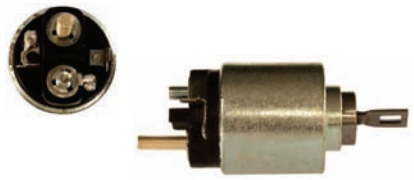
232419 Solenoid

Replacing: 0331303112; -612
Servicing: 0001108048; -136; B001111061
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131315.



232420 Solenoid

Replacing: 0331303144; -644; zm-977
Servicing: 0001218132; -3; -47; -59; -759; B001233238; -56
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 232421.



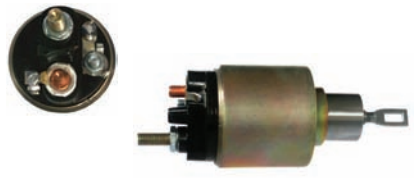
233480 Solenoid

Replacing: 0331303162; -662; 2339303230
Servicing: 0001107017; -8; B001110081
V. 12, **B+** M8, **Coil bolt** 4
Cap: Cargo 139598.



233577 Solenoid

Replacing: 2339304032; -57
Servicing: 0001107401; -2
V. 12, **B+** M8, **Coil bolt** M8



233578 Solenoid

Replacing: 6033ad0074
Servicing: 0001223003; -7
V. 12, **B+** M8, **Coil bolt** 3



233579 Solenoid

Replacing: 0331402203; 233626
Servicing: 0001362091; -9024; B001812372
V. 12, **B+** M10, **Coil bolt** M10



233582 Solenoid

V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 232195.



233583 Solenoid

Replacing: 2339402124; -65; 233629
Servicing: 0001231013; 0001368313
V. 24, **B+** M10, **Coil bolt** M10



233584 Solenoid

Replacing: 2339403007; 233630
Servicing: 0001371005; -7; -9; -12
V. 24, **B+** M12, **Coil bolt** M12



233716 Solenoid

Replacing: 2339303289; -316; -405; -432
Servicing: 0001107073; -4; -9021; -9022; -9066; -9067
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 137815.



233734 Solenoid

Replacing: 0331402007; -94; -507; zm-539
Servicing: 0001360002; -7; -8; -9; -13; -18; -20; -26; -29; -31; -32; -33; -34; -38; -42; -43; -46; -47; -50;
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 133447.

233796 Solenoid

Replacing: 9337043526
Servicing: 9007045018
V. 12



233852 Solenoid

Replacing: 2339402136; -57
Servicing: 0001231004; -7; -12; -14
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 232195.



233896 Solenoid

Replacing: 331302060
Servicing: 0001311050; -1; -2; -3; -4; -5; -6; -4003; -4008; -4009; -4010; -4011; -4016; -4017; -4024; -4031;
V. 12, **B+** M8, **Coil bolt** M8



233933 Solenoid

Replacing: 2339402118; -26
Servicing: 0001367061; B001816377
V. 12, **B+** M10, **Coil bolt** M10



234129 Solenoid

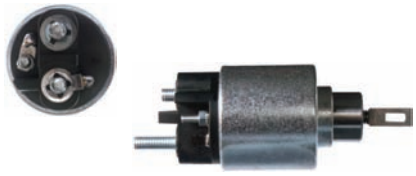
Replacing: 2339402155; -73; -85
Servicing: 1231016
V. 24, **B+** M10, **Coil bolt** M10



234287 Solenoid

Replacing: 2339402140; zm-6640
Servicing: 0001223504; -30023; -30026; 0001362105
V. 12, **B+** M10, **Coil bolt** M10

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



234434 Solenoid

Replacing: 2339303322
Servicing: 1108186
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139525.



234568 Solenoid

Replacing: 2339303262; 0331303131
Servicing: 0001110054; B001117065
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132780.



234841 Solenoid

Replacing: 331402026
Servicing: 0001360055; -8026; -8027; -8051; B001816076; -80; -338
V. 24, **B+** M8, **Coil bolt** M10



234857 Solenoid

Replacing: zm-527; 0331302097
Servicing: 0001212208; -9; 0001312100; B001322002
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 130479.



234858 Solenoid

Replacing: 0331302084; zm-3722; 0331302081
Servicing: 0001208100; -202; -11200; -11241; -11251; 0001311103; -5; -6; -8; -14; -15; -47; B001311055; -75; -
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132781.



234859 Solenoid

Replacing: 2339402113; zm-2640
Servicing: 1369020
V. 12, **B+** M8, **Coil bolt** M10
Cap: Cargo 131319.



234903 Solenoid

Replacing: 2339305004; -17; -48
Servicing: 0001107411; -8202; -8204; -8224; -8234; -8235; -15021; -15025
V. 12, **B+** M8, **Coil bolt** 3



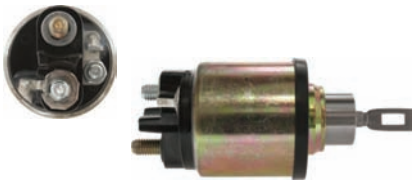
234967 Solenoid

Replacing: 2339304026
Servicing: 0001106016; -7080; -16004
V. 12, **B+** M8, **Coil bolt** M8
Terminal50: 9.30 mm.



235060 Solenoid

Replacing: 2339305055; -77
Servicing: 0001123012; -3; -4; -5; -6; -7; -8; -9; -20; -21; -26; -27; -39
V. 12, **B+** M8, **Coil bolt** M8



235107 Solenoid

Replacing: 2339304035
Servicing: 1106015
V. 12, **B+** M8, **Coil bolt** M8



235138 Solenoid

Replacing: 2339305005; -24; -52; -74
Servicing: 0001107423; -4; -20400; -20401; -20402; -20403
V. 12, **B+** M8, **Coil bolt** M8
3 terminaler.



235275 Solenoid

Replacing: 331303054
Servicing: 0001219007; -10; -13; -14; -15; 0001316005; B001328011
V. 24



235292 Solenoid
Replacing: 2339303335
Servicing: 1115015
V. 12, **B+** M8, **Coil bolt** 3



235437 Solenoid
Replacing: 2339402147; bf9t11390ab
Servicing: 1223505
V. 12



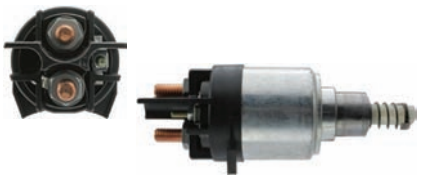
235535 Solenoid
Replacing: 2339305014; -34; -54; -76
Servicing: 0001120406; -7; -8; -9; -10; -11; -1402; -1403; -1408; -1409; -1410; -1411; -1412; -1413; -2400; -2
V. 12, **B+** M8, **Coil bolt** M8



236081 Solenoid
Replacing: 2339450014
Servicing: 0001417075; -6
V. 24



236516 Solenoid
Replacing: 2339303387; -55; -422
Servicing: 0001123002; -3; -5600; -5601
V. 12, **B+** M8, **Coil bolt** M8



236645 Solenoid
Replacing: 2339402149
Servicing: 0001230002; -18
V. 12, **B+** M10



236837 Solenoid
Replacing: 2339305026; -13; -47
Servicing: 0001107429; -37; -59; -60; -8217; -8218; -8222; -8223; -9250; -15047; -15048; -15074; -15075; F002G
V. 12



237672 Solenoid
Replacing: 2339305033
Servicing: 0001109300; -1; -2; -3
V. 12, **B+** M8



237753 Solenoid
Replacing: 2339402220
Servicing: 0001241001; -3; -7; -14; -19
V. 24



238106 Solenoid
Replacing: 2339305018
Servicing: 1108400
V. 12



238836 Solenoid
Replacing: f000sh0178
Servicing: F000AL0320
V. 12, **B+** M8, **Coil bolt** M8



238847 Solenoid
Replacing: 2339402187
Servicing: 1231033
V. 24, **B+** M10, **Coil bolt** M10

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



238923 Solenoid

Replacing: 2339305015
Servicing: 0001107430; -8402
V. 12, **B+** M8, **Coil bolt** M8



239094 Safety Switch

Replacing: 6033AD5138; 6033AD6153
Servicing: 0001241001; 0001330008
V. 24



239776 Solenoid

Replacing: 2339305031
Servicing: 0001107433; -4; -40; -41; -48; -49; F004A94434; -41; -49
V. 12, **B+** M8



239841 Solenoid

Replacing: 2339305045
Servicing: 0001115040; -1; -5; -6
V. 12, **B+** M8



239901 Solenoid

Replacing: 2339305046
Servicing: 0001107438; -9
V. 12, **B+** M8



330005 Solenoid

Replacing: 2339305030
Servicing: 0001108213; -4; -403; -404; -9267
V. 12, **B+** M8



330030 Solenoid

Replacing: 2339305025; -56; -78
Servicing: 0001108206; -7; -9258; -9259; -9260; -9261
V. 12, **B+** M8

Solenoid Parts

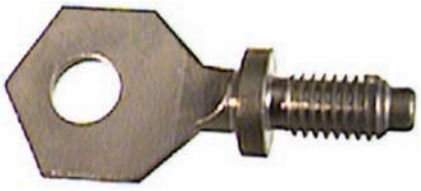
Coils

Pkg 5



135576 Rubber Boot

Replacing: 1330503702; -3
Servicing: 0001360065; -2105; -2318; -2604; -3120; -4103; -4108; -4202; -7027; -7036; -7038; -7046; -7051; -70
Th. 27.40, **Material** Rubber
Solenoid: Cargo 131053, 131141.



137956 Terminal B+

Replacing: 1003480001
Servicing: 0001108123; B001111412
L. 49.70, **Thread** M8 x 1.25

Pkg 10



139362 Mounting Ring

Replacing: 1000134003; -1
Servicing: 0001109033; -11004; 0001218123; -37; -39; -43; -44; -68; -70; -71; -72; -78; -737; -768; -770; -771
O.D. 52.00, **I.D.** 34.55, **Th.** 3.35, **Material** Steel

Pkg 10



139631 Plastic Fitting

O.D. 16.95, **I.D.** 10.70



230089 Solenoid Parts Kit

Replacing: 2337010006; 134778



230585 Terminal Cover

Replacing: 2007000019
Servicing: 0001230025; 0001369023; -201
O.D. 67.30, **H.** 56.90



230839 Connector

Replacing: 2001390135
Servicing: 0001370003; -4; -1004; -1005; -1006; -1007; -1008; -1009; -1010; -1012; -1013; -1014; -1015; -1016;
L. 50.70, **Mount. hole 1** 11.30/16.75, **Mount. hole 2** 13.20/18.20
Field Coil to Solenoid connection.

Pkg 5



231553 Plunger Boot

O.D. 61.65, **L.** 25.60, **Lever** w/o
Solenoid: Cargo 131053, 131141.

Pkg 5



231818 Spacer

O.D. 57.00, **I.D.** 40.0, **Th.** 6.00, **Material** Steel
Spacer for solenoid.

Solenoid Caps

Pkg 5



130479 Solenoid Cap

Replacing: 1330516037; -50; zm-52296; zm-72491; -6
O.D. 50.90, **No. of leads** 4

Pkg 5



131315 Solenoid Cap

Replacing: zm-377391; zm-57591; zm-87391; -891; 134381; -4; 131315
O.D. 54.60, **No. of leads** 3, **Bracket type** Crimp



131316 Solenoid Cap

O.D. 54.65, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



131317 Solenoid Cap

Replacing: zm-54391; -6; 131317
O.D. 58.90, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



131318 Solenoid Cap

Replacing: 1330516712; zm-53891; -85; 131339
O.D. 59.00, **No. of leads** 3, **Bracket type** Crimp



131319 Solenoid Cap

Replacing: zm-164091; 131319
O.D. 59.00, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



131334 Solenoid Cap

Replacing: 1330516023; zm-62496; -396
O.D. 51.00, **No. of leads** 4

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



131335 Solenoid Cap

Replacing: 1330516032; -3; -4; zm-52196; zm-62196
O.D. 51.15, **No. of leads** 3

Pkg 5



131337 Solenoid Cap

Replacing: 1330516062; zm-57391; -691; zm-77391; 134380; -5
O.D. 54.15, **No. of leads** 4, **Bracket type** Crimp

Pkg 5



131338 Solenoid Cap

Replacing: 1330516072; zm-247191; zm-57191; zm-58091; zm-77191; zm-87591
O.D. 53.90, **No. of leads** 4, **Bracket type** Crimp



131345 Solenoid Cap

O.D. 50.85, **No. of leads** 4

Pkg 5



131847 Solenoid Cap

Replacing: zm-57891; 132278; 131847
O.D. 54.20, **No. of leads** 4, **Bracket type** Crimp

Pkg 5



132279 Solenoid Cap

Replacing: zm-157391; zm-57491; 132279
O.D. 54.00, **No. of leads** 4, **Bracket type** Crimp



132300 Solenoid Cap

Replacing: 133420; 132300
O.D. 54.40, **No. of leads** 3, **Bracket type** Crimp



132677 Solenoid Cap

Replacing: zm-64191; 132677
O.D. 59.00, **No. of leads** 4, **Bracket type** Crimp



132723 Solenoid Cap

Servicing: MOB12-1; -2; -K12-1; MTS12-48
O.D. 49.15, **No. of leads** 4

Pkg 5



132778 Solenoid Cap

Replacing: zm-52596; 132778
O.D. 51.00, **No. of leads** 4

Pkg 5



132779 Solenoid Cap

Replacing: zm-77791; zm-277791; zm-97591; 134382; 132779
O.D. 54.45, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



132780 Solenoid Cap

Replacing: zm-267491; zm-67491; zm-77291; zm-87491; zm-147491; 132280; -780
O.D. 54.30, **No. of leads** 4, **Bracket type** Crimp

Pkg 5



132781 Solenoid Cap

Replacing: zm-72696; 132781

O.D. 50.00, **No. of leads** 4



133148 Solenoid Cap

Replacing: 1330516225; zm-87691; -6; 133776

O.D. 54.35, **No. of leads** 3, **Bracket type** Crimp



133157 Solenoid Cap

O.D. 55.00, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



133159 Solenoid Cap

Replacing: zm-65391; 133159

O.D. 59.25, **No. of leads** 3, **Bracket type** Crimp



133202 Solenoid Cap

Replacing: 1330516209; zm-46696; zm-67691

O.D. 54.20, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



133447 Solenoid Cap

Replacing: zm-53991; zm-54796; 133447

O.D. 58.80, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



133473 Solenoid Cap

Replacing: zm-64091; 133473

O.D. 59.10, **No. of leads** 4, **Bracket type** Crimp



133512 Solenoid Cap

O.D. 50.00, **No. of leads** 4



133737 Solenoid Cap

O.D. 56.15, **No. of leads** 4

Pkg 5



133777 Solenoid Cap

Replacing: zm-62796; 133777

O.D. 51.10, **No. of leads** 3



134383 Solenoid Cap

O.D. 55.00, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



134825 Solenoid Cap

Replacing: 1330516306; zm-197291; zm-97296

O.D. 54.30, **No. of leads** 3, **Bracket type** Crimp

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



136108 Solenoid Cap

Replacing: zm-47591; 136108

O.D. 54.60, **No. of leads** 4, **Bracket type** Crimp



137349 Solenoid Cap

Replacing: zm-37191; 137349

O.D. 50.20, **No. of leads** 3, **Bracket type** Crimp

For small body solenoids.



137706 Solenoid Cap

Replacing: zm-67791; 137706

O.D. 54.15, **No. of leads** 3, **Bracket type** Crimp



137815 Solenoid Cap

O.D. 54.35, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



137876 Solenoid Cap

Replacing: zm-57791; 137876

O.D. 54.15, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



138003 Solenoid Cap

Replacing: zm-147391; zm-347391; zm-447391; zm-47391; 138003

O.D. 54.25, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



138004 Solenoid Cap

Replacing: zm-77591; zm-97791; zm-377591; zm-47796; -991; zm-277591; 133427; 138972; -004

O.D. 54.20, **No. of leads** 3, **Bracket type** Crimp

Pkg 5

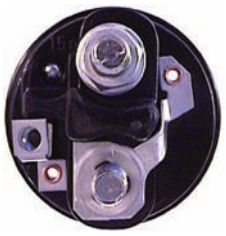


138006 Solenoid Cap

Replacing: zm-67591; 138006

O.D. 54.35, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



138926 Solenoid Cap

Replacing: zm-67291; 138926

O.D. 54.00, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



139211 Solenoid Cap

Replacing: zm-47491; 139211

O.D. 54.20, **No. of leads** 4, **Bracket type** Crimp

Pkg 5



139213 Solenoid Cap

Replacing: zm-77891; 139213

O.D. 53.95, **No. of leads** 3, **Bracket type** Crimp



139525 Solenoid Cap

O.D. 45.20, **No. of leads** 3, **Bracket type** Crimp



139597 Solenoid Cap

O.D. 54.25, **No. of leads** 3, **Bracket type** Crimp



139598 Solenoid Cap

O.D. 54.00, **No. of leads** 4, **Bracket type** Crimp



230087 Solenoid Cap

O.D. 63.35, **No. of leads** 3, **Bracket type** Crimp



230278 Solenoid Cap

O.D. 58.50, **No. of leads** 4, **Bracket type** Crimp



231558 Solenoid Cap

O.D. 50.30, **No. of leads** 4, **Bracket type** Crimp



231565 Solenoid Cap

O.D. 55.00, **No. of leads** 3, **Bracket type** Crimp



231802 Solenoid Cap

Replacing: zm-37291; 231802

O.D. 50.15, **No. of leads** 3, **Bracket type** Crimp



231815 Solenoid Cap

Replacing: zm-37491; 231815

O.D. 50.15, **No. of leads** 3, **Bracket type** Crimp



231825 Solenoid Cap

O.D. 59.00, **No. of leads** 3, **Bracket type** Crimp



231828 Solenoid Cap

O.D. 50.00, **No. of leads** 3, **Bracket type** Crimp



231882 Solenoid Cap

O.D. 50.30, **No. of leads** 3, **Bracket type** Crimp

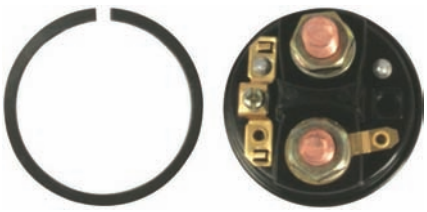
Pkg 5



232024 Solenoid Cap

Replacing: zm-364091; 232024

O.D. 59.00, **No. of leads** 4, **Bracket type** Crimp



232195 Solenoid Cap

No. of leads 3, **Bracket type** Crimp



232416 Solenoid Cap

O.D. 54.35, **No. of leads** 3, **Bracket type** Crimp

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



232421 Solenoid Cap

O.D. 54.70, **No. of leads** 3, **Bracket type** Crimp



233075 Solenoid Cap

O.D. 50.15, **No. of leads** 3, **Bracket type** Crimp



233499 Solenoid Cap

Servicing: 9007045018

O.D. 54.00, **No. of leads** 3, **Bracket type** Crimp



233785 Solenoid Cap

O.D. 49.85, **No. of leads** 3, **Bracket type** Crimp



233925 Solenoid Cap

Servicing: 2339303267; -335

O.D. 54.25, **No. of leads** 3, **Bracket type** Crimp



234437 Solenoid Cap

Replacing: zm-37391; 234437

Servicing: 2339304020

O.D. 50.45, **No. of leads** 3, **Bracket type** Crimp



234438 Solenoid Cap

Replacing: 234438; res10923

Servicing: 2339304033

O.D. 50.20, **No. of leads** 3, **Bracket type** Crimp



234439 Solenoid Cap

Servicing: 2339304038

O.D. 50.25, **No. of leads** 3, **Bracket type** Crimp



234845 Solenoid Cap

Replacing: zm-67991; 234845

Servicing: 2339304008; F000SH0125; -31

O.D. 50.15, **No. of leads** 3, **Bracket type** Crimp



234917 Solenoid Cap

O.D. 63.65, **No. of leads** 3, **Bracket type** Crimp



235005 Solenoid Cap

Servicing: 2339304009

O.D. 63.70, **No. of leads** 4, **Bracket type** Crimp

Moving Contacts

Pkg 5



131591 Contact Plate

L. 30.00, **Th.** 2.00, **W.** 15.00

Assort. 803035

Pkg 5



131592 Contact Plate

L. 35.00, **Th.** 4.00, **W.** 18.00
Assort. 803035

Pkg 5



131594 Moving Contact

L. 31.60, **Th.** 2.00, **W.** 15.00, **Shaft** 31.60, **Material** Silver plated brass
Assort. 803035

Pkg 5



131595 Moving Contact

L. 39.50, **Th.** 4.00, **W.** 18.00, **Shaft** 31.60, **Material** Silver plated brass
Assort. 803035

Pkg 5



132275 Moving Contact

Replacing: 131593; 132275
Th. 3.90, **Shaft** 32.10, **Material** Silver plated brass
Assort. 803035

Pkg 5



132276 Moving Contact

Replacing: 132301; -276
Servicing: 1109305
L. 36.00, **Th.** 2.00, **W.** 15.00, **Shaft** 31.60, **Material** Silver plated brass
Assort. 803035

Pkg 5



132277 Moving Contact

Th. 2.50, **Shaft** 32.10, **Material** Copper
Assort. 803035

Pkg 5



132281 Moving Contact

L. 36.00, **Th.** 3.00, **W.** 15.00, **Shaft** 31.50, **Material** Copper
Assort. 803035

Pkg 5



133503 Contact Plate

L. 39.50, **Th.** 4.00, **W.** 18.00, **Material** Copper
Assort. 803035



136034 Moving Contact

L. 39.20, **Th.** 4.00, **W.** 17.70, **Shaft** 52.80, **Material** Copper

Pkg 5



231384 Moving Contact

Servicing: 0001371004; -6
Th. 5.00, **Shaft** 52.00, **Material** Copper

Pkg 5



231821 Moving Contact

Replacing: 237755; 231821
L. 42.50, **Shaft** 42.50, **Material** Copper

Pkg 5



233786 Moving Contact

Th. 4.05, **Shaft** 30.30

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5

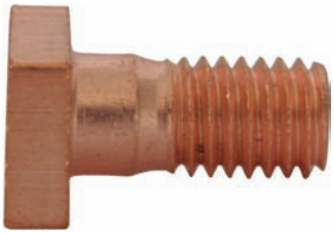


235538 Moving Contact

L. 36.00, **Th.** 2.00, **W.** 15.00, **Shaft** 31.60

Fixed Contacts

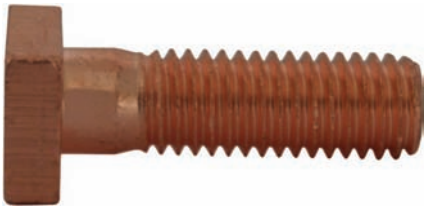
Pkg 10



133568 Fixed Contact

Collar L. 16.55, **L.** 20.50, **Thread** M8
Pure copper.
Assort. 803035

Pkg 10



133569 Fixed Contact

Collar L. 26.00, **L.** 30.50, **Thread** M8
Pure copper. Fixed contact.
Assort. 803035

Pkg 10



133570 Fixed Contact

Replacing: 134287; 133570
Collar L. 27.40, **L.** 33.00, **Thread** M10
Steel/copper. Fixed bolt.
Assort. 803035

Pkg 10



133571 Fixed Contact

Collar L. 35.00, **L.** 41.00, **Thread** M10
Steel/copper. Fixed bolt.
Assort. 803035

Pkg 50



133572 Fixed Contact

Collar L. 34.30, **L.** 36.00, **Thread** M8
Fixed bolt.
Assort. 803035

Pkg 10



133573 Fixed Contact

Replacing: 133574; -3
Collar L. 20.45, **L.** 25.95, **Thread** M8
Silverplated. Fixed bolt.
Assort. 803035

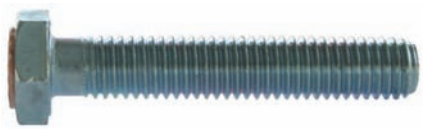
Pkg 10



133575 Fixed Contact

Thread M8
Silverplated. Fixed bolt.
Assort. 803035

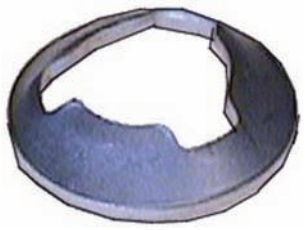
Pkg 10



134141 Fixed Contact

Collar L. 45.30, **L.** 50.60, **Thread** M8
Fixed bolt.
Assort. 803035

Pkg 100



135195 Lock Washer

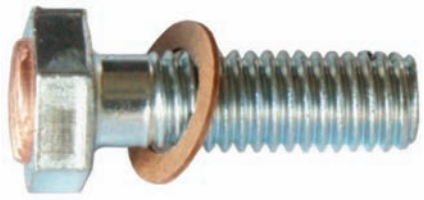
O.D. 15.00, **I.D.** 8.00, **Th.** 3.90, **Material** Steel



136460 Fixed Contact Kit

Thread M10
Pure copper. Fixed contact kit.

Pkg 10



234449 Fixed Contact

Collar L. 25.20, **L.** 31.00, **Thread** M8
Steel/copper. Fixed bolt.

Pkg 10



234450 Fixed Contact

Collar L. 40.00, **L.** 46.00, **Thread** M8
Steel/copper. Fixed bolt.

Pkg 10



234451 Fixed Contact

Collar L. 40.45, **L.** 46.00, **Thread** M8
Silverplated. Fixed bolt.

Pkg 10



234452 Fixed Contact

Collar L. 35.15, **L.** 41.00, **Thread** M8
Steel/copper. Fixed bolt.

Pkg 10



234453 Fixed Contact

Collar L. 35.10, **L.** 41.00, **Thread** M8
Silverplated. Fixed bolt.

Pkg 10



234454 Fixed Contact

Collar L. 36.10, **L.** 41.00, **Thread** M10
Silverplated. Fixed bolt.

Pkg 10



234455 Fixed Contact

Collar L. 25.30, **L.** 31.00, **Thread** M8
Silverplated. Fixed bolt.

Plungers



134157 Plunger

Servicing: 0001157001; -2; -4
O.D. 20.75, **L.** 103.35, **Lever** With

Gaskets

Pkg 5



136273 Gasket

Th. 1.30

Pkg 100



136652 Gasket

Th. 1.00

Pkg 100



136653 Gasket

O.D. 15.45, **I.D.** 10.20, **Th.** 1.00



136696 Solenoid Gasket

Replacing: 1330290700
Servicing: 0001420001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -24; -25; -26; -27; -28;
Th. 8.45, **Material** Rubber

Pkg 10



138788 Gasket

Th. 0.50

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



139006 Gasket

Replacing: 1002391009

Servicing: 0001311043; -100; -152; -4025; -4032; -4042; -4043; -4044; -4045; -4046; 9000082021; -33; -36; -38;

L. 17.30, **Th.** 13.35, **W.** 18.35, **Material** Rubber

Pkg 10



139633 Gasket

Th. 1.30, **Material** Rubber

Terminals

Pkg 5



137827 Terminal Plug

Replacing: 1004483002; -6

Servicing: 0001108123; -60; B001111412

L. 37.20, **Terminals** 0227

Screws

Pkg 10



138328 Solenoid Screw

Replacing: 2003429021; -51

Servicing: 0001223022; -30027; 0001359008; -14; -16; -20; -25; -27; -30; -32; -41; -45; -51; -53; -57; -61; -6

Thread L. 10.55, **L.** 34.90, **Thread** M5

Pkg 10



138329 Solenoid Screw

Replacing: 2003429022; -53; -73

Servicing: 0001223503; -4; -5; -30013; -30015; -30016; -30023; -30026; -30028; -30029; -31006; -31018; -31029;

Thread L. 9.60, **L.** 45.00, **Thread** M5

Pkg 25



139115 Solenoid Screw

Replacing: 1003421008; -10; -11; -13; -14; 9001333409; 1003421016; 1004421020

Servicing: 0001106011; -2; -4; -5; -6; -7; -8; -9; -20; -22; -23; -24; -403; -404; -405; -406; -7003; -7004; -

Thread L. 10.70, **L.** 33.25, **Thread** M5

Pkg 10



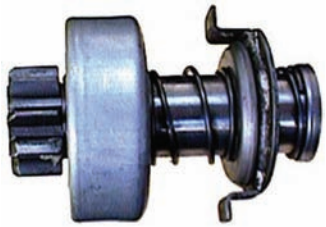
139303 Solenoid Screw

Replacing: 2003410019

Servicing: 0001359002; -3; -10; -27; -33; -40; -56; -60; -64; -67; -70; -93; -96; -120; -60004; -60005; -60012

Thread L. 10.55, **L.** 36.45, **Thread** M5

Drives



130026 Drive

Replacing: 1006209129; 2006209154

Servicing: 0001157001; -2; -3; -4

O.D. 26.00, **I.D.** 12.02, **L.** 72.00,
No. of teeth 9, **Splines** 8, **Rotation** CR,
Drive type Steel



130027 Drive

Replacing: 1006209061; -102; -104; -161; -233; -339; 2006209160; -1; -311; 1.01.0131.0

Servicing: 0001160003; -11; -13; 0001207016; -7; -8; -9; -20; -11012; -11013

O.D. 26.00, **I.D.** 11.00, **L.** 67.00,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



130388 Drive

Replacing: 1006209108; 2006209322; -4; 1.01.0362.0

Servicing: 0001311038; -48

O.D. 26.80, **I.D.** 12.00, **L.** 68.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



130390 Drive

Replacing: 1006209030; -2; -9; -49; -56; -71; -105; -110; -140; 1.01.0223.0; 1006209033

Servicing: 0001207003; -9; -14; -15; -8004; -8007; -8018; -8032; -9001; -9006; -9014; -11020; 0001310006; -10;

O.D. 29.60, **I.D.** 12.00, **L.** 68.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



130393 Drive

Replacing: 1006209401; -45; 1.01.0325.0

Servicing: 0001157012; -3; -21; -23; 9000141100; -1; -3; -7; -8; -11; -12; -14; 9000334104

O.D. 25.80, **I.D.** 12.00, **L.** 68.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



130396 Drive

Replacing: 1006209236; -340; -404; -410; -414; -416; -427; -447; -462; -463; -471; 9001066236; 9001082340; -686

Servicing: 0001157024; -5; -8; -9; -30; 0001208200; -1; -2; -6; -8; -9; -11; -16; -17; -24; -25; -26; -27; -28

O.D. 25.80, **I.D.** 12.00, **L.** 64.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



130398 Drive

Replacing: 1006209421; 1.01.0484.0

Servicing: 0001208203; -5; -10; -14; -406; B001208085; -101; -160

O.D. 25.80, **I.D.** 12.00, **L.** 71.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



130400 Drive

Replacing: 1006209429; 1.01.0222.0

Servicing: 0001208219; -20; -23; -32; -33; -409; -423; -11227; -11228; -11237; -11239; -11243; 0001311113; -49

O.D. 26.80, **I.D.** 12.00, **L.** 64.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



130401 Drive

Replacing: 1006209080; -402; -439; 2006209273; 1.01.0139.0; 1.01.0221.0

Servicing: 0001313003; -4; -5; -6; -7; -4002; -4005; B001313017; -5038

O.D. 25.80, **I.D.** 12.00, **L.** 63.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



130402 Drive

Replacing: 1006209081; -444; 1.01.0300.0

Servicing: 0001311042; -4001

O.D. 29.60, **I.D.** 12.00, **L.** 64.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



130404 Drive

Replacing: 1006209162; -424; -431; 2006209162; 9001042021; 9001082362; -669; 1.01.0065.0; 1.01.0323.0

Servicing: 0001204102; -3; -8403; -8411; -8412; -8414; -8415; -8416; -8417; -8418; -8419; -11223; -11224; -112

O.D. 25.80, **I.D.** 11.00, **L.** 63.00,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



130405 Drive

Replacing: 1006209400; -3; -5; -11; -12; -17; 2006209163; 1.01.0068.0; 1.01.0307.0

Servicing: 0001208053; -4; -5; -254; -255; -11025; -11204; -11205; -11209; -11210; -11213; -11214; -11216; -11

O.D. 25.80, **I.D.** 12.00, **L.** 63.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



130406 Drive

Replacing: 1006209029; -31; -34; -40; -47; -51; -52; -53; -55; -58; -66; -68; -101; -127; -165; -332; 200620916

Servicing: 0001207010; -8001; -8003; -8009; -8011; -8019; -8023; -8024; -8025; -8026; -8027; -8029; -8030; -80

O.D. 26.00, **I.D.** 12.00, **L.** 68.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



130407 Drive

Replacing: 2006209167

O.D. 29.00, **I.D.** 12.00, **L.** 63.50,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



130409 Drive

Replacing: 2006209241; -9; -331; -332; 1.01.0319.0; 2006209242

Servicing: 0001362001; -2; -3; -4; -7; -27; -28; -29; -30; 9000143406

O.D. 25.80, **I.D.** 12.00, **L.** 73.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



130412 Drive

Replacing: 1006209437; 2006209321; 1.01.0220.0

Servicing: 0001208049; -249; -11206; -11989

O.D. 26.80, **I.D.** 12.00, **L.** 64.50,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



130414 Drive

Replacing: 2006209471; -500; 16.900.920; 1.01.0228.0

Servicing: 0001362038; -47; -69; -70; -77; -78; -83; -600; -601; -604; -605; -9004; 11.130.300; -99; -726; -88

O.D. 25.80, **I.D.** 12.00, **L.** 71.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



130415 Drive

Replacing: 2006209022; -30; -183; -900; -904; 1.01.0028.0; 1.01.1076.0; 1.01.1082.0; -8.0; 1.01.1090.0; -2.0; -

Servicing: 0001354004; -6; -12; -16; -21; -23; -27; -31; -55; -64; -77; -85; -5009; EJD1,8/12R29; -70

O.D. 34.00, **I.D.** 14.30, **L.** 90.00,
No. of teeth 9, **Splines** 3, **Rotation** CR,
Drive type Steel



130416 Drive

Replacing: 2006203022; 2006209072; -3; -268; -368; -388; -917; -971; 1.01.0226.0

Servicing: 0001358018; -20; -27

O.D. 41.00, **I.D.** 14.30, **L.** 92.50,
No. of teeth 11, **Splines** 3, **Rotation** CR,
Drive type Steel

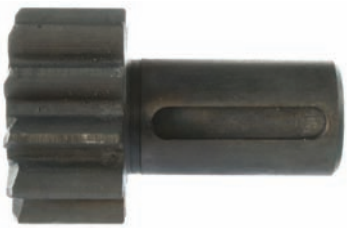


130417 Drive

Replacing: 2006380010; -410; -718; 5549-306bj; 9004794; 9018718; 9923779; 18.100.023; -98; 70616002; 72372530;

Servicing: 0001401011; -2; -23; -28; -41; -50; -52; -66; -67; -71; -2031; -2043; -2055; -2059; -2071; -2072; -

O.D. 34.70, **I.D.** 14.70, **L.** 120.00,
No. of teeth 9, **Splines** 3, **Drive type** Steel
Not oilproof.



130418 Gear

Replacing: 2006382018; -152; -156; 8122126; 9004229; 9984246; 15.100.152; 1.01.0087.0

Servicing: 0001410018; -32; -37; -44; -46; -50; -62; -63; -69; -74; -75; -77; -81; -87; -98; -101; -102; -103;

O.D. 41.00, **I.D.** 10.15, **L.** 61.00, **Shaft L.** 39.65, **No. of teeth** 11, **Drive type** Steel



130419 Drive

Replacing: 2006382013; -7; -20; -150; -176; 15.100.092; 3315

Servicing: 0001410015; -6; -21; -29; -41; -58; -66; -78; -82; -83; -88; -90; -91; -117; -118; -1009; -1014; -1

O.D. 35.00, **I.D.** 10.60, **L.** 61.20, **Shaft L.** 40.10, **No. of teeth** 9, **Drive type** Steel



130721 Drive

Replacing: 2006381558; 131741

Servicing: 0001401044; -6; 0001501003; -14; -20; -32; 1330661; -861; -2022; -2023; -2071; -82441; BS524P-7; SL

O.D. 41.00, **I.D.** 14.60, **L.** 120.00, **Shaft L.** 98.60, **No. of teeth** 11, **Splines** 3, **Drive type** Bronze



130722 Drive

Replacing: 5549-306ch; 2006380500; 18.100.104

Servicing: 10.130.141; -6; 11.130.320; 1343391; -491; -502; -503; -508; -511; -514; -530; -550; -731; -754; 13

O.D. 39.00, **I.D.** 14.70, **L.** 120.00, **No. of teeth** 10, **Splines** 3, **Drive type** Steel

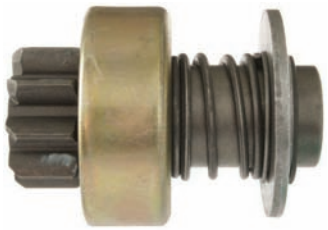


130730 Drive

Replacing: 17061-2; -8; 1.01.0543.0; 9001336213; -7

Servicing: MTA12-13; -20; -42; MTV12-5; -7

O.D. 25.25, **I.D.** 11.55, **L.** 62.15, **No. of teeth** 9, **Splines** 12, **Rotation** ACR, **Drive type** Steel



130731 Drive

Replacing: 9001336221; 17061-12; 1.01.0911.0

Servicing: MTA12-30

O.D. 29.20, **I.D.** 11.55, **L.** 61.90, **No. of teeth** 9, **Splines** 12, **Rotation** ACR, **Drive type** Steel



130738 Drive

Replacing: 9001133219; 17061-10; 4154293; 4243124; 4475122; 74866611; 74867401; 74874241; 85540271; 1.01.0213.0

Servicing: 63222430; -5; -8; -9; -531; -532; -536; -730; -731; -736; MTD12-14; -9; mtd12-9

O.D. 29.15, **I.D.** 14.00, **L.** 68.00, **No. of teeth** 11, **Splines** 6, **Rotation** CR, **Drive type** Steel



130920 Drive

Replacing: 9328; 1.01.0453.0; 9586-1; 9001336203

Servicing: MTA12-1; MTC252-2; -6; -7; MTC402-15; MTC402-2

O.D. 26.95, **I.D.** 12.00, **L.** 60.65, **No. of teeth** 8, **Splines** 6, **Rotation** ACR, **Drive type** Steel



130930 Drive

Replacing: 2006209478; 1.01.0320.0

Servicing: 0001362037; -71; B001812263

O.D. 29.60, **I.D.** 14.25, **L.** 73.50, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



130931 Drive

Replacing: 2006209240; -330; -418; -448; 1.01.0310.0

Servicing: 0001362031; -2; -3101

O.D. 34.80, **I.D.** 14.30, **L.** 74.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



130932 Drive

Replacing: 2006209405; -35; 1.01.0118.0

Servicing: 0001359050; -4; -8; -61; -64; -65; -88; -95; -105; -114; -117; -60005; -60020; -60026; -60044; -600

O.D. 40.00, **I.D.** 14.30, **L.** 91.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



130950 Drive

Replacing: 2006209470; -83; 1.01.0291.0

Servicing: 0001362039; -56; -62; -65; -73; -102; -105; -322; -323; -3111; -3122; -3128; -3130; B001812189; -20

O.D. 34.80, **I.D.** 14.25, **L.** 73.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



130995 Drive

Replacing: 1006209423; 9001042013; -32; 1.01.0229.0

Servicing: 0001208425; -6; -8; -9; -11221; -11222; -11251; -11252; -11253; -11254; B001208256; -11098; -11204

O.D. 25.80, **I.D.** 11.00, **L.** 74.00,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



131019 Drive

Replacing: 2006209449; -69; -76; -85; 1.01.0366.0; 2006209504; 233628; -581

Servicing: 0001362034; -6; -40; -41; -43; -46; -50; -53; -72; -74; -75; -76; -88; -89; -91; -98; -305; -308; -

O.D. 34.80, **I.D.** 14.25, **L.** 74.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



131022 Drive

Replacing: 2006209248; -338; 1.01.0309.0

Servicing: 0001362014; -5

O.D. 29.60, **I.D.** 14.30, **L.** 77.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel

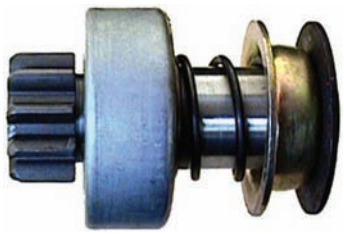


131065 Drive

Replacing: 2006209492; -530; 1.01.0367.0; 131105; 2008209008

Servicing: 0001362051; -63; -96; -97; -300; -306; -309; -315; -3116; -4301; -6018; -6021; -7001; -7004; -7005;

O.D. 34.80, **I.D.** 14.25, **L.** 91.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel

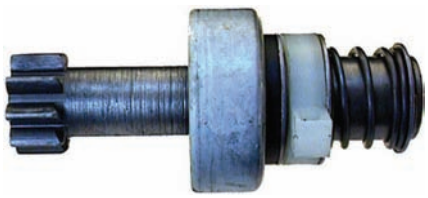


131088 Drive

Replacing: 17061-28; 9001336232

Servicing: MOK12-1

O.D. 26.70, **I.D.** 12.05, **L.** 67.50,
No. of teeth 10, **Splines** 5, **Rotation** CR,
Drive type Steel



131089 Drive

Replacing: 17061-18; -27; 9001336231

Servicing: MOB12-1; -2

O.D. 25.40, **I.D.** 12.10, **L.** 101.70,
No. of teeth 9, **Splines** 5, **Rotation** CR,
Drive type Steel



131097 Drive

Replacing: 1006209406; -28; -49; -72; 9001692096; 1.01.0361.0; 132077; 133162
Servicing: 0001208204; -11225; 0001311100; -28; -50; -6007; 9000692009; B001208010; -11108; B001311132; -215;
O.D. 30.00, **I.D.** 12.00, **L.** 64.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



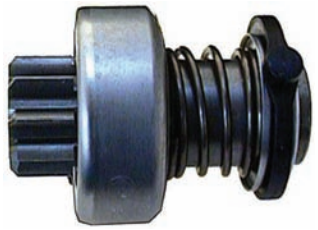
131098 Drive

Replacing: 1006209448; 1.01.0442.0
Servicing: 0001157026; 0001208213; -21; -22; 0001311134; -5; -8; -4022; B001311048; -102; -148; -5110
O.D. 25.80, **I.D.** 12.00, **L.** 64.50,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



131101 Drive

Replacing: 1006209469; -70; -73; 1.01.0857.0; 9936671
Servicing: 0001311146; -4026; -4027; -4028; -4029; -4030; -4033; -4034; -4035; -4036; -4037; -4038; -4041; -60
O.D. 25.80, **I.D.** 11.90, **L.** 64.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



131102 Drive

Replacing: 1006209500; 1.01.0420.0; 3172
Servicing: 0001317007; -8; -13; -22; -25; B001329009; -14; -45
O.D. 25.80, **I.D.** 12.00, **L.** 64.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



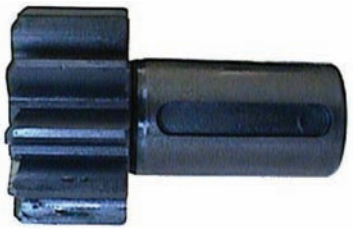
131104 Drive

Replacing: 1006209503; -4; -6; -9; -13; -26; -28; -30; -31; -36; -48; -63; -70; -72; -73; -82; -97; -619; -684;
Servicing: 0001108001; -2; -3; -9; -10; -11; -12; -16; -17; -18; -19; -22; -23; -24; -26; -27; -28; -29; -30;
O.D. 25.80, **I.D.** 12.00, **L.** 59.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



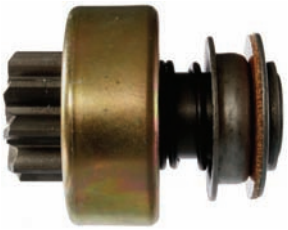
131106 Drive

Replacing: 2006209413; -43; 1.01.0661.0
Servicing: 0001359067; -9; -81; -82; -103; -104; -109; -110; -126; -127; -60055
O.D. 39.00, **I.D.** 14.29, **L.** 91.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



131107 Drive

Replacing: 2006382019; -172; 9920672; 1.01.0149.0
Servicing: 0001410065; -1017; -1021; -1025; -1026; -1027; -6052; -7005; -7006; -7007; -7059; -7064; -7073; -70
O.D. 41.00, **I.D.** 10.25, **L.** 61.00, **Shaft L.** 39.90, **No. of teeth** 11, **Drive type** Steel



131108 Drive

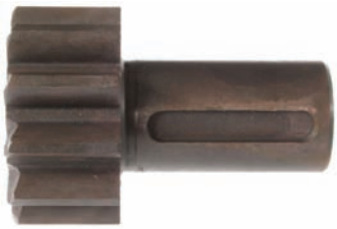
Replacing: 2006209243; -333; -473; -481; 1.01.0355.0; 1.01.0365.0
Servicing: 0001362005; -6; -26; -44; -45; -55; -61; -79; -86; -3104; -3126; B001812311; -27; -3210; -3251
O.D. 36.50, **I.D.** 14.35, **L.** 73.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



131150 Drive

Replacing: 1006209502; 1.01.0428.0; 3166
Servicing: 0001317011; -2; -6; -7; B001329013; -29
O.D. 25.80, **I.D.** 12.00, **L.** 85.00,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



131167 Drive

Replacing: 2006382174; 15.100.154; 2006383160

Servicing: 0001410067; -8; -116; -5020; -6038; -6043; -6044; -6072; B001450102; -9; -201; -280

O.D. 42.00, **I.D.** 10.15, **L.** 61.00, **Shaft L.** 40.00, **No. of teeth** 11, **Drive type** Steel



131207 Drive

Replacing: 2006209431; 1.01.0460.0

Servicing: 0001362081; -602; -603; -606; -607; B001812323; -4; -49; -422; -426

O.D. 27.20, **I.D.** 14.20, **L.** 74.00, **No. of teeth** 10, **Splines** 10, **Rotation** CR, **Drive type** Steel



131267 Drive

Replacing: 2006209107; -17; -19; -301; -341; -401; 16.903.130; 1.01.0098.0; 1.01.0301.0

Servicing: 0001358048; -9; -9012; -9013; -9014; -9018; -9025; -9027; -9031; -9032; -9038; -9043; -9044; -9051;

O.D. 34.80, **I.D.** 14.00, **L.** 91.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



131269 Drive

Replacing: 2006209109; -20; -302; -304; -342; -344; 1.01.0101.0; 130956

Servicing: 0001358050; -1; -9001; -9003; -9010; -9019; -9024; -9026; -9030; -9040; -9046; -9050; -60002; -6000

O.D. 41.00, **I.D.** 14.30, **L.** 91.00, **No. of teeth** 11, **Splines** 10, **Rotation** CR, **Drive type** Steel



131270 Drive

Replacing: 2006209408; -23; -38; 1.01.0392.0

Servicing: 0001359053; -6; -60; -70; -75; -76; -99; -106; -108; -112; -124; -128; -60029; -60033; -60041; -600

O.D. 41.00, **I.D.** 14.29, **L.** 91.00, **No. of teeth** 11, **Splines** 10, **Rotation** CR, **Drive type** Steel



131271 Drive

Replacing: 2006209425; -94; 1.01.0378.0

Servicing: 0001362018; -64; -301; -303; -304; -3118; -3121; -6008; -7008; -7009; -7013; -7015; -7018; -7024; -

O.D. 41.00, **I.D.** 14.30, **L.** 91.00, **No. of teeth** 11, **Splines** 10, **Rotation** CR, **Drive type** Steel



131344 Drive

Replacing: 2006209466; 1.01.0528.0

Servicing: 0001362307; B001812330

O.D. 46.30, **I.D.** 14.40, **L.** 74.00, **No. of teeth** 12, **Splines** 10, **Rotation** CR, **Drive type** Steel

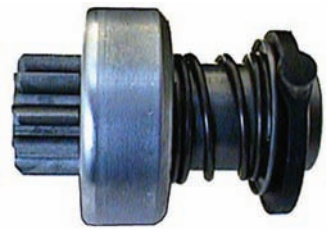


131381 Drive

Replacing: 2006209417; -47; 9001083502; 1.01.0315.0

Servicing: 0001359102; -22; -60003; -60043; -60063; 9000083043; 9000453088; -91

O.D. 34.80, **I.D.** 14.30, **L.** 91.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



131432 Drive

Replacing: 1006209501; 1.01.0406.0; 1006209517; 3165

Servicing: 0001317009; -10; -14; -15; -18; -19; -20; -21; B001329010

O.D. 25.80, **I.D.** 10.90, **L.** 64.00, **No. of teeth** 9, **Splines** 10, **Rotation** ACR, **Drive type** Steel



131433 Drive

Replacing: 1006209510; -6; -37; -45; -66; -905; 1.01.0520.0; 1006209568
Servicing: 0001107014; -6; -27; -28; -29; -41; -8004; -8020; -8033; -8037; -8039; -8040; -8057; -8071; -8082;
O.D. 26.80, **I.D.** 12.00, **L.** 58.50,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



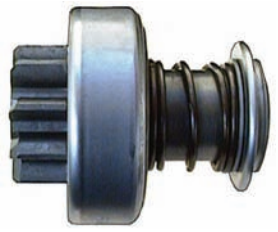
131434 Drive

Replacing: 1006209560; -9; -908; 1.01.0962.0; 136476
Servicing: 0001110019; -43; -44; -51; -64; -65; -88; -104; -105; B001117070; -96; -174; -175; -184
O.D. 27.00, **I.D.** 12.00, **L.** 59.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



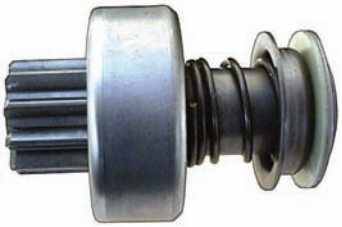
131475 Drive

Replacing: 2006209498; -533; -539; -932; 1.01.0538.0
Servicing: 0001366019; -8016; -8043; -8081; -8311; -8320; B001811052; -6150; -6548
O.D. 37.80, **I.D.** 14.30, **L.** 91.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



131489 Drive

Replacing: 1006209436; 1.01.0417.0
Servicing: 0001314010; -7; -6008; B001315024; -68; -28013; -28014
O.D. 34.80, **I.D.** 12.00, **L.** 64.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



131495 Drive

Replacing: 2006209414; -44; 1.01.0497.0
Servicing: 0001359090; 9000083071; 9000453074; -5; -6
O.D. 32.00, **I.D.** 14.30, **L.** 91.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



131496 Drive

Replacing: 9001336205; 10612-2; 4063663; 74870561; -651; 1.01.0533.0
Servicing: 63201101; MTD12-1; MTD12-12H5
O.D. 29.25, **I.D.** 14.00, **L.** 70.10,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel



131597 Drive

Replacing: 2006209499; 1.01.0419.0
Servicing: 0001362093; -310; -327; -328; -3127; -7006; -7022; -7035; -7040; -7041; -7042; -7055; -7056; -7063;
O.D. 39.00, **I.D.** 14.30, **L.** 91.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



131710 Drive

Replacing: 1006209441; 2006209323; 1.01.0345.0
Servicing: 0001208100; -1; -11200; -11201
O.D. 25.80, **I.D.** 12.00, **L.** 64.00,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



131711 Drive

Replacing: 2006209407; -37; -737; 1.01.0313.0
Servicing: 0001358201; -2
O.D. 46.30, **I.D.** 14.30, **L.** 75.00,
No. of teeth 12, **Splines** 10, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



131712 Drive

Replacing: 2006209246; -336; 1.01.0311.0; -2.0

Servicing: 0001359120; -62012; -62013; -62016; -62017; -62018; -62021; -62024; -62033; -63002; 9000143002

O.D. 34.80, **I.D.** 14.45, **L.** 77.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



131713 Drive

Replacing: 2006208013; 2006209021; -32; -181; -902; 15053-4; 1.01.0227.0

Servicing: 0001354018; -29; -33; MTL12-11

O.D. 41.00, **I.D.** 14.30, **L.** 90.00,
No. of teeth 11, **Splines** 3, **Rotation** CR,
Drive type Steel



131714 Drive

Replacing: 2006380558; 3350; -550; 1.01.0036.0; 18.100.021; 0030

Servicing: 0001401027; -47; -2053; -2057; 0001501035; -42; 11.130.158; BNG4/12CR168SR; BPD6/24AR180; MTA24-2;

O.D. 41.00, **I.D.** 14.60, **L.** 120.00,
No. of teeth 11, **Splines** 3, **Drive type** Steel



131742 Drive

Replacing: 2006381452; 5549-306d

Servicing: 1330011; -1172; -2011; -2282; -2382; -3011; -3172; BA524P-1; BS512-P1; BS512P-117; BS524P-101; -17;

O.D. 45.90, **I.D.** 14.50, **L.** 120.00,
No. of teeth 13, **Splines** 3, **Drive type** Bronze



131743 Drive

Replacing: 5549-306au; -cs; 2006380578

Servicing: 1333480; -43021; -43035; -43041; -43051; -43071; -43113; -43171; -43181; -43232; -43251; -43271; -4

O.D. 45.90, **I.D.** 14.65, **L.** 120.00,
No. of teeth 12, **Splines** 3, **Drive type** Bronze



131744 Drive

Replacing: 9001084020

O.D. 45.50, **I.D.** 14.60, **L.** 120.00,
No. of teeth 12, **Splines** 3, **Drive type** Steel



131745 Drive

Replacing: 2006380574; -94; 5549-306bs

Servicing: 0001401026; -62; 1331451; -2814; -3272; -3580; -3830; -43351; -64080; BNG4/12CR242SR; BS512P-145; B

O.D. 39.50, **I.D.** 14.60, **L.** 120.00,
No. of teeth 11, **Splines** 3, **Drive type** Steel



131747 Drive

Replacing: 2006380450; -8; 5549-306w; 74350413; -33

Servicing: 0001400016; -1019; 1331441; -520; -670; -3441; -3520; -3670; BNG2,5/12DR229; BNG4/12CR236; BS512P-1

O.D. 45.90, **I.D.** 14.50, **L.** 120.00,
No. of teeth 13, **Splines** 3, **Drive type** Steel

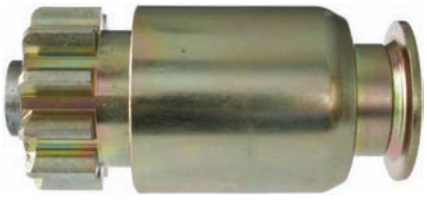


131767 Drive

Replacing: 9001453670; 850674; -764; 852759; -958; 1846089; 1946089; 830622; 480217; -324; e480324; 1.01.0491.1

Servicing: 40MT, 50MT. 0001370001; 1113385; -408; -445; -474; -533; -693; -4195; 9000453029; -66; B001851001; M

O.D. 38.80, **I.D.** 15.90/5/8", **L.** 120.40,
No. of teeth 10, **Splines** 19, **Rotation** CR,
Drive type Steel



131768 Drive

Replacing: 2006202001; -3; 850629; -760; 852760; -959; 1918079; 1932031; 1985129; d2021; 10647; 480320; e480320

Servicing: 40MT. 0001370002; 0001420002; -6; -7; -8; -10; -11; -26; -27; -1007; -1009; -1010; 1108894; -5; -923

O.D. 56.50, **I.D.** 19.00/3/4", **L.** 120.40/4.740", **Shaft L.** 19.00/0.748", **No. of teeth** 11, **Splines** 19, **Rotation** CR, **Drive type** Steel



131771 Drive

Replacing: 1006208280; -450; 1006209450; 2006209280

Servicing: 0001212005; -6; -7; -8; -12; -13; -200; -204; -205; -208; -209; -211; -212; -213; -214; -402; -403;

O.D. 26.00, **L.** 108.00, **No. of teeth** 9, **Splines** 10, **Rotation** ACR, **Drive type** Steel



131772 Drive

Replacing: 1006209451

Servicing: 0001212206; -7; -10; -400; -401; 0001312101; -2; -3; -4; -5; -6; -7; -11; B001229004; -13; -200; B0

O.D. 26.00, **L.** 108.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



131773 Drive

Replacing: 2006382162; 9920368

Servicing: 0001410051; -92; -108; -110; -1001; -1002; -1006; -1011; -1020; -1028; -1031; -1032; -1035; -5024;

O.D. 45.00, **I.D.** 10.10, **L.** 61.00, **Shaft L.** 40.25, **No. of teeth** 12, **Drive type** Steel



131774 Drive

Replacing: 2006383150

Servicing: 0001410016; -22; -24; -43; -49; -52; -86; -3006; -3008; -4002; -4005; -4010; -4014; -4015; -4018; -

O.D. 34.50, **I.D.** 10.25, **L.** 61.00, **Shaft L.** 39.90, **No. of teeth** 9, **Drive type** Bronze



131775 Drive

Replacing: 2006383152

Servicing: 0001410017; -9; -23; -34; -39; -40; -53; -73; -3003; -3009; -3011; -4004; -4006; -4013; -6014; -700

O.D. 41.00, **I.D.** 10.35, **L.** 61.00, **Shaft L.** 40.00, **No. of teeth** 11, **Drive type** Bronze



131994 Drive

Replacing: 1006209520

Servicing: 0001218003; -20; -620; B001233054; -91

O.D. 35.00, **I.D.** 12.00, **L.** 73.00, **No. of teeth** 12, **Splines** 10, **Rotation** CR, **Drive type** Steel



131995 Drive

Replacing: 1006209523; 9003336291; 1.01.0572.0; 138256

Servicing: 0001218006; -16; -21; -29; -108; -109; -110; -150; -156; -160; -710; -9001; -9007; -9009; -9013; -9

O.D. 27.50, **I.D.** 12.00, **L.** 64.50, **No. of teeth** 10, **Splines** 10, **Rotation** CR, **Drive type** Steel



131996 Drive

Replacing: 9003336283; 1.01.0875.0; 9002336283; f000al1881; 135527

Servicing: 0001218014; -9; -24; -101; -102; -103; -151; -154; -159; -163; -164; -167; -174; -703; -754; -759;

O.D. 35.50, **I.D.** 12.00, **L.** 62.50, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



131997 Drive

Replacing: 9002336207; 9003336201; -84; 1.01.0632.0

Servicing: 0001218002; -15; -22; -106; -129; -602; B001233022; -35; -107; -163; -192; -231

O.D. 27.50, **I.D.** 11.65, **L.** 62.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



131998 Drive

Replacing: 9001140317; 1.01.0631.0; 9003336293; 9939194

Servicing: 0001218001; -4; -5; -8; -10; -12; -13; -17; -18; -25; -100; -107; -111; -112; -113; -114; -115; -12

O.D. 25.80, **I.D.** 12.00, **L.** 62.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



132000 Drive

Replacing: 2006209531; -7; -41; -933; 1.01.0760.0

Servicing: 0001364203; -4; -6; -300; -8015; -8037; -8056; -8305; -8310; -8319; B001816262; -334; -592; -9202;

O.D. 41.00, **I.D.** 14.30, **L.** 91.00,
No. of teeth 11, **Splines** 10, **Drive type** Steel

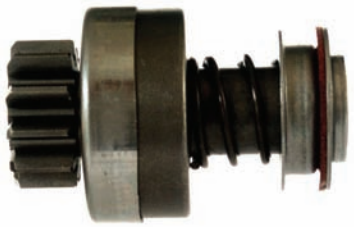


132079 Drive

Replacing: 1006209524; 6033ad0044; 9003336280; 1.01.0573.0; 9002336209; 233861

Servicing: 0001218009; -11; -26; -27; -28; -122; -134; -135; -136; -153; -177; -722; -735; -736; -777; B001233

O.D. 29.60, **I.D.** 12.00, **L.** 62.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



132117 Drive

Replacing: 2006209450

Servicing: 0001364200; -1; -2; -5; B001819102; -16; -208

O.D. 41.00, **I.D.** 13.65, **L.** 91.00,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



132163 Drive

Replacing: 1006209012; -4; -7; -125; -902; 9001082417; 1.01.0044.0

Servicing: 0001203016; 0001305016; -8006; EGD1/12AR37

O.D. 26.00, **I.D.** 11.85, **L.** 77.50,
No. of teeth 9, **Splines** 3, **Rotation** CR,
Drive type Steel



132165 Drive

Replacing: 1006209114; 2006209114; -320

Servicing: 1211022

O.D. 29.00, **I.D.** 12.00, **L.** 68.50,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



132166 Drive

Replacing: 1006209452

Servicing: 0001312108; -9; B001335003

O.D. 26.00, **L.** 108.00, **No. of teeth** 9,
Splines 10, **Rotation** CR, **Drive type** Steel



132167 Drive

Replacing: 1006209519; 1.01.0633.0; 1542

Servicing: 1317023

O.D. 26.80, **I.D.** 12.00, **L.** 64.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



132168 Drive

Replacing: 1006209522; 1.01.0619.0

Servicing: 0001110001; -14

O.D. 25.80, **I.D.** 11.00, **L.** 58.50,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



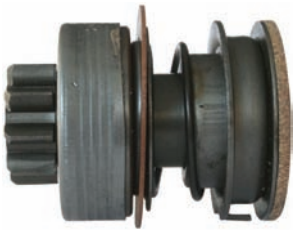
132169 Drive

Replacing: 1006209532; 1.01.0613.0
Servicing: 0001110009; -10; B001117030
O.D. 25.80, **I.D.** 11.90, **L.** 80.00,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



132179 Drive

Replacing: 1006209132; -9; 2006209010; -09; -1; -4; -250
Servicing: 0001154007; -5006; -5009; -5016; -5017; 9000141016; AL/EED0.4/6R9
O.D. 25.00, **I.D.** 12.20, **L.** 72.00,
No. of teeth 9, **Splines** 8, **Rotation** CR,
Drive type Steel



132193 Drive

Replacing: 1006209059; -60; -117; -119; -320; -321; -322; -323; -324; -325; -329; 1.01.0119.0
Servicing: 0001207001; -5; -8006; -8017; 0001310007; -8; -9; -19; AL/EEF0.5/6; AL/EEF0.5/6L1; AL/EEF0.8/12L1;
O.D. 30.00, **I.D.** 12.50, **L.** 67.00,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



132194 Drive

Replacing: 1006209425; 9001082324; f000al1001; 9932923; 1.01.0111.0
Servicing: 0001208218; -408; -410; -422; -11246; 0001311116; -9; -23; -29; -30; -33; -5005; -6010; 9000082021;
O.D. 30.00, **I.D.** 12.00, **L.** 64.00,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



132195 Drive

Replacing: 1006209430; 1.01.0483.0
Servicing: 0001157020; -2
O.D. 26.80, **I.D.** 12.00, **L.** 62.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



132204 Drive

Replacing: 1006209541; 1.01.0800.0
Servicing: 0001110017; -56; -999; B001117203; F010AL0101
O.D. 29.50, **I.D.** 12.00, **L.** 58.50,
No. of teeth 11, **Splines** 10, **Drive type** Steel



132205 Drive

Replacing: 1006209538; -9; 1.01.0630.0; 1006209691
Servicing: 0001110003; -5; -16; -25; -26; -39; -53; -54; -55; -75; -78; -79; -82; -89; -91; -92; -95; -102; -1
O.D. 27.90, **I.D.** 12.00, **L.** 59.50,
No. of teeth 10, **Splines** 10, **Drive type** Steel



132216 Drive

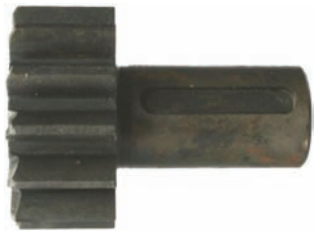
Replacing: 1006209543; -4; -76; -96; -703; -710; -918; -919; -921; 1.01.0579.0; 132390
Servicing: 0001108094; -5; -127; -10001; -10002; -10014; -10015; -10076; -10077; -10098; -10099; -10133; -1013
O.D. 25.80, **I.D.** 12.00, **L.** 58.50,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



132273 Drive

Replacing: 2006209406; -22; -36; -46; 9002453073; 16.900.935; 1.01.0105.0; -4; 9001083406; -36; 130411; -719; 1
Servicing: 0001359017; -28; -31; -55; -57; -62; -71; -72; -73; -74; -77; -78; -83; -84; -87; -89; -91; -93; -9
O.D. 34.80, **I.D.** 14.30, **L.** 91.00,
No. of teeth 9, **Splines** 10, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



132308 Drive

Replacing: 2006382154; 1.01.0078.0; 3318
Servicing: 0001410026; -35; -94; -5007; -6004; -6064; -7010; -7057; B0001450120; B001411367; -50120; -50275
O.D. 47.00, **I.D.** 10.45, **L.** 61.00, **Shaft L.** 38.85, **No. of teeth** 13, **Drive type** Steel



132345 Drive

Replacing: 2006209427; -57; -59; 1.01.0635.0; 2006209931
Servicing: 0001362312; -6; -9; -21; -31; -32; -7037; -7075; -7078; -8059; -8067; -9001; -9005; -9021; -9022; B
O.D. 32.00, **I.D.** 14.35, **L.** 91.00, **No. of teeth** 10, **Splines** 10, **Drive type** Steel



132364 Drive

Replacing: 2006209086; -215; 1.01.0103.0; 1.01.0318.0; 2006209095
Servicing: 0001354080; -2; -8; -91; -92; -93; -98; -99; -100; -103; -5013; -5015; -5016
O.D. 34.80, **I.D.** 14.35, **L.** 90.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



132365 Drive

Replacing: 2006209031; -185; -901; 1.01.0224.0
Servicing: 0001354026; -32
O.D. 37.80, **I.D.** 14.35, **L.** 90.50, **No. of teeth** 10, **Splines** 3, **Rotation** CR, **Drive type** Steel



132366 Drive

Replacing: 2006382062; 1.01.0290.0
Servicing: 0001510001; -2; -8; -9; -17; -21; -22; -24; -30; -34; -35; -40; -1005; B001500093; -10009; -10030;
O.D. 41.00, **I.D.** 10.20, **L.** 75.50, **Shaft L.** 51.00, **No. of teeth** 11, **Drive type** Steel



132367 Drive

Replacing: 2006209071; -386; -916; 1.01.0225.0
Servicing: 0001358017; -38; -46; -47
O.D. 34.80, **I.D.** 14.25, **L.** 92.50, **No. of teeth** 9, **Splines** 3, **Rotation** CR, **Drive type** Steel



132368 Drive

Replacing: 2006209474; 1.01.0677.0; 2006209463
Servicing: 0001362048; -9; -84; -100; -330; -9020; 9000143413; B001812193; -205; -242; -421
O.D. 40.00, **I.D.** 14.30, **L.** 74.00, **No. of teeth** 10, **Splines** 10, **Rotation** CR, **Drive type** Steel



132388 Drive

Replacing: 9003336206; 1.01.0706.0
Servicing: 0001218007; -23; -125; -126; -158; -175; -725; -758; -775
O.D. 29.50, **I.D.** 12.00, **L.** 62.00, **No. of teeth** 11, **Splines** 10, **Rotation** CR, **Drive type** Steel



132542 Drive

Replacing: 9003336274; 1.01.1174.0
Servicing: 9000331406
O.D. 35.00, **I.D.** 12.15, **L.** 54.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



132697 Drive

Replacing: 2006209200; -1; -306; -346; 1.01.0304.0

Servicing: 1359016

O.D. 32.00, **I.D.** 14.00, **L.** 91.00, **No. of teeth** 10, **Splines** 10, **Rotation** CR, **Drive type** Steel



132702 Drive

Replacing: 2006209452; -95; -532; 1.01.0418.0; 230202; 1516

Servicing: 0001362302; -24; -7002; -7017; -7020; -7047; -7048; -7051; -7057; -7066; -7070; -7071; -7076; -7077

O.D. 40.00, **I.D.** 14.25, **L.** 91.00, **No. of teeth** 10, **Splines** 10, **Drive type** Steel

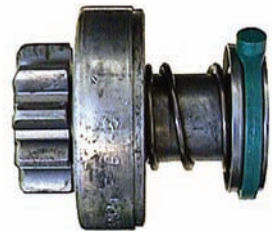


132732 Drive

Replacing: 2006202002; 1932604; e480413

Servicing: 40MT, 50MT. 0001421005; -14; -15; 1109179; -85; B001421020; -39; -40

O.D. 46.20/1.819", **I.D.** 19.00, **L.** 118.00/4.646", **Shaft L.** 19.00/0.748", **No. of teeth** 12, **Splines** 19, **Rotation** ACR, **Drive type** Bronze

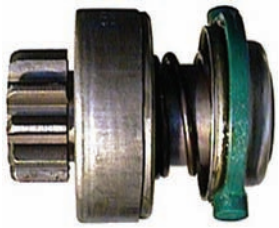


132824 Drive

Replacing: 9002336203; 9003336275

Servicing: 0001218814; -6; 9000331405; -12; -13; -17; -25; -27; -2402

O.D. 40.00, **I.D.** 12.00, **L.** 62.00, **No. of teeth** 10, **Splines** 10, **Rotation** Clockwise, **Drive type** Steel

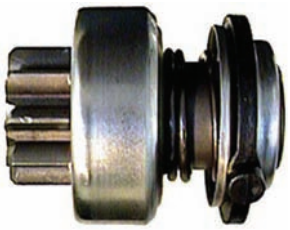


133230 Drive

Replacing: 1006209540

Servicing: 0001108025; -146; B001111018; -423

O.D. 30.00, **I.D.** 11.90, **L.** 58.50, **No. of teeth** 11, **Splines** 10, **Rotation** CR, **Drive type** Steel



133362 Drive

Replacing: 1006209534; -49; -54; -59; 1.01.0475.0; 136345

Servicing: 0001108054; -65; -100; -108; -115; -117; -131; -145; -210; -9009; -10011; -10028; -10041; -10042; -

O.D. 29.60, **I.D.** 12.00, **L.** 58.50, **No. of teeth** 9, **Splines** 10, **Drive type** Steel



133443 Drive

Replacing: 1006209418; 1.01.0638.0

Servicing: 0001311050; -1; -2; -5; -4010; B001324002; -3; -4; -8

O.D. 34.40, **I.D.** 12.00, **L.** 64.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



133498 Drive

Replacing: 2006209475; 1.01.0447.0

Servicing: 0001362035; -42; -59; -92; -95; -3105; -3117; -3125; -6011; -6012; -6024; -6027; B001811031; -45; -

O.D. 41.00, **I.D.** 13.80, **L.** 74.0, **No. of teeth** 11, **Splines** 10, **Rotation** CR, **Drive type** Steel

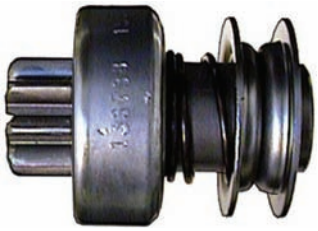


133596 Drive

Replacing: 2006209465; 1.01.0764.0

Servicing: 0001362700; -1; -2; -7700; B001812413; -50

O.D. 35,8, **I.D.** 14,35, **L.** 74, **No. of teeth** 11, **Splines** 10, **Drive type** Steel



133738 Drive

Replacing: 9001451249; -51; 1.01.0293.0

Servicing: 9000451024

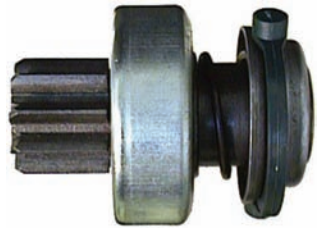
O.D. 25.80, **I.D.** 12.00, **L.** 64.00, **No. of teeth** 9, **Splines** 6, **Rotation** CR, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



133853 Drive

Replacing: 1006209422; 1.01.0761.0
Servicing: 0001311115; -4039; -4040; B001311075; -5080; -5170
O.D. 29.50, **I.D.** 12.00, **L.** 64.00, **No. of teeth** 11, **Splines** 10, **Rotation** ACR, **Drive type** Steel



133895 Drive

Replacing: 1006209518
Servicing: 0001208508; -702; B001208307; -32002
O.D. 26.00, **I.D.** 12.00, **L.** 65.50, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



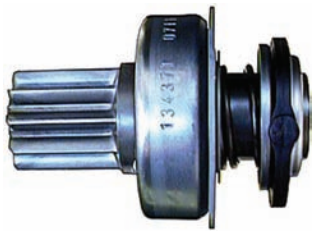
133896 Drive

Replacing: 9001140114
Servicing: 9000141104
O.D. 30.00, **I.D.** 12.00, **L.** 62.00, **No. of teeth** 9, **Splines** 10, **Rotation** ACR, **Drive type** Steel



134282 Drive

Replacing: 2006209426; 1.01.0648.0
Servicing: 0001367028; -9; -82; -8019; -8020
O.D. 34,8, **I.D.** 14, **L.** 91, **No. of teeth** 9, **Splines** 10, **Drive type** Steel



134371 Drive

Replacing: 1006209295; -552; -591; -594; -911; -912; 2006209594; 1.01.0639.0; 1.01.0900.0; 133438
Servicing: 0001110031; -2; -61; -62; -69; -70; -84; -85; -86; -87; -118; -119; 9000081001; B001117068; -71; -1
O.D. 29.90, **I.D.** 12.00, **L.** 79.50, **No. of teeth** 10, **Splines** 10, **Rotation** ACR, **Drive type** Steel



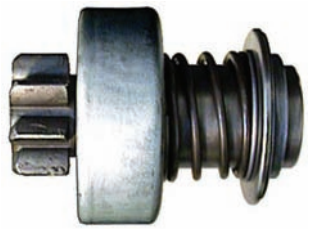
134434 Drive

Replacing: 9003336290; 1.01.1173.0
Servicing: 0001218817; 9000331421; -4; -8; -30
O.D. 35.00, **I.D.** 12.00, **L.** 60.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



134644 Drive

Replacing: 1006209460
Servicing: 0001208427; -11241; 0001314044; B001211163; B001315179
O.D. 30.00, **I.D.** 12.15, **L.** 64.00, **No. of teeth** 9, **Splines** 10, **Rotation** ACR, **Drive type** Steel



134925 Drive

Replacing: 9001336323; md618887
Servicing: 9000334103; 9003334103
O.D. 27.75, **I.D.** 12.00, **L.** 63.00, **No. of teeth** 8, **Splines** 10, **Rotation** CR, **Drive type** Steel



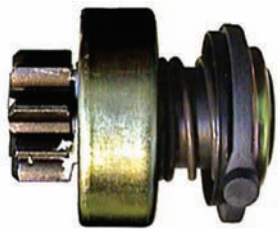
135085 Drive

Replacing: 1006209585; -916; 1.01.0799.0; 594163
Servicing: 0001107007; -8; -20; -21; -52; -53; 9000694029; B001110054; -99; D6RA46
O.D. 25.80, **I.D.** 11.75, **L.** 56.00, **No. of teeth** 9, **Splines** 10, **Rotation** ACR, **Drive type** Steel



135086 Drive

Replacing: 1006209579; -917; 1.01.0729.0
Servicing: 0001107003; -4; -22; -23; B001110041; -100
O.D. 27.94, **I.D.** 12.00, **L.** 77.00, **No. of teeth** 10, **Splines** 10, **Rotation** ACR, **Drive type** Steel



135115 Drive

Replacing: 1006209547

Servicing: 0001107033; -61; -8042; -8063; -8129; -11003; B001111090; -195; -220

O.D. 30.00, **I.D.** 11.90, **L.** 58.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



135116 Drive

Replacing: 9002336204; 1.01.0851.0

Servicing: 0001218116; -7; -716; B001233180

O.D. 27.50, **I.D.** 11.85, **L.** 86.00,
No. of teeth 10, **Splines** 10, **Rotation** ACR, **Drive type** Steel



135164 Drive

Replacing: 1006209550; 1.01.1065.0

Servicing: 0001107058; -8050; -12034; B001111098; -80041

O.D. 30.00, **I.D.** 12.00, **L.** 58.50,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



135251 Drive

Replacing: 2006209482; 1.01.0474.0

Servicing: 0001362067; -103; -325; -326; -329; B001812248; -52; -437; -438; -443

O.D. 39.00, **I.D.** 14.30, **L.** 74.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



135374 Drive

Replacing: 2006382060

Servicing: 0001510020; -5; -31; -32; -37; -38; -41; B001510020; -160; -169; -219; -288

O.D. 34.50, **I.D.** 10.30, **L.** 75.00, **Shaft L.** 51.25, **No. of teeth** 9, **Drive type** Steel



135464 Drive

Replacing: 1006209578; -923; 1.01.0805.0

Servicing: 0001108099; B001111273

O.D. 29.40, **I.D.** 12.00, **L.** 58.80,
No. of teeth 11, **Splines** 6, **Rotation** ACR,
Drive type Steel



135569 Drive

Replacing: 1006209527; 1.01.0532.0

Servicing: 0001108013; -32; -45; -46; -66; B001111031; -105; -145; -146; -212

O.D. 25.90, **I.D.** 11.00, **L.** 58.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



135664 Drive

Replacing: 2006209077; -390; -919; 1.01.0306.0

Servicing: 0001358021; -6

O.D. 40.20, **I.D.** 14.25, **L.** 92.50,
No. of teeth 11, **Splines** 3, **Rotation** CR,
Drive type Steel



135713 Drive

Replacing: 1006209580; 1.01.0797.0; 1855

Servicing: 0001109001; -2; -6; -7; B001116001

O.D. 25.80, **I.D.** 12.00, **L.** 56.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel

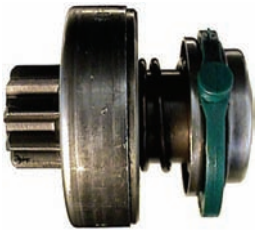


135714 Drive

Replacing: 1006209551; 1.01.0794.0

Servicing: 0001110033; B001117229

O.D. 33.00, **I.D.** 12.00, **L.** 59.00,
No. of teeth 10, **Splines** 10, **Rotation** ACR, **Drive type** Steel



135715 Drive

Replacing: 1006209581

Servicing: 0001110066; -7; B001117154

O.D. 26.00, **I.D.** 12.00, **L.** 59.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



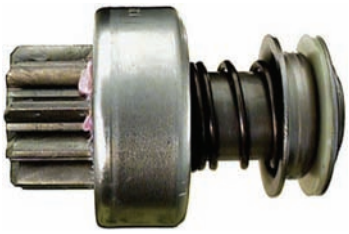
135716 Drive

Replacing: 1006209584; -600; -686; 1.01.0745.0; 9001081033; 1887

Servicing: 10 0001106012; -7; -22; -23; -24; -7009; -7012; -7013; -7015; -7017; -7018; -7019; -7025; -7026; -70

O.D. 25.80, **I.D.** 53.50

9

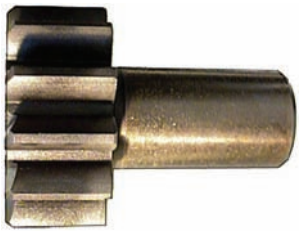


135801 Drive

Replacing: 2006209111; -305; -345; -394; 1.01.0302.0

Servicing: 0001359002; -8; -20; -34; -45; -60013; 9000143101

O.D. 40.00, **I.D.** 13.85, **L.** 91.00, **No. of teeth** 10, **Splines** 10, **Rotation** CR, **Drive type** Steel



135860 Drive

Replacing: 2006382190; 9001084064; 1.01.0089.0; 2106

Servicing: 0001416061; -5; -77; -7061; -7062; -7063; -7065; -7067; -7075; 9000084007; -9; -24; -26; B001411394

O.D. 46.00, **I.D.** 10.25, **L.** 61.00, **Shaft L.** 39.65, **No. of teeth** 12, **Rotation** CR, **Drive type** Steel



135861 Drive

Replacing: 2006383163

Servicing: 0001413005; -4001; -6045; -8011; B001450199

O.D. 40.00, **I.D.** 10.30, **L.** 61.15, **Shaft L.** 40.00, **No. of teeth** 11, **Drive type** Bronze



135911 Drive

Replacing: 9003336286; 1.01.1172.0

Servicing: 9000331411; 9003331411

O.D. 29.00, **I.D.** 12.10, **L.** 55.00, **No. of teeth** 11, **Splines** 10, **Rotation** CR, **Drive type** Steel



135985 Drive

Replacing: 9001336240; 9001690067

Servicing: 0001112032; 9000333121; 9000692064

O.D. 28.00, **I.D.** 12.15, **L.** 58.60, **No. of teeth** 8, **Splines** 10, **Rotation** CR, **Drive type** Steel



135989 Drive

Replacing: 2006209233; -9; -339

Servicing: 0001362023; -5; B001812089

O.D. 34.50, **I.D.** 14.00, **L.** 75.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel

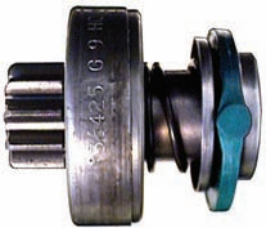


136285 Drive

Replacing: 2006209118; -22; -303; -343; 1.01.0321.0

Servicing: 0001359021; -60015

O.D. 35.50, **I.D.** 14.30, **L.** 91.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



136425 Drive

Replacing: 9002336200; -5; 1.01.1171.0

Servicing: 0001218104; -5; -19; -26; -27; -28; -728; B001233039; -159; -160; -191; -195; -201; -224; -229; -23

O.D. 27.00, **I.D.** 12.15, **L.** 62.30, **No. of teeth** 10, **Splines** 10, **Rotation** CR, **Drive type** Steel



136472 Drive

Replacing: 1006209533

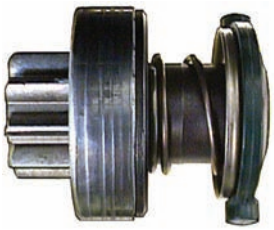
Servicing: 0001110007; -8; B001117011

O.D. 26.00, **I.D.** 12.00, **L.** 58.40, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



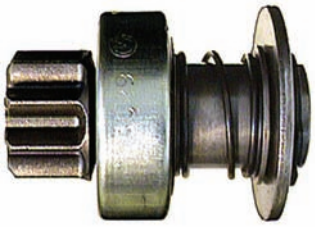
136509 Drive

Replacing: 2006209458; -543; 1.01.0970.0; 2006209544
Servicing: 0001367072; -8069; -8083; -9007; -9019; -9025; B001816445; -6; -570; -28071
O.D. 37.00, **I.D.** 13.90, **L.** 91.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



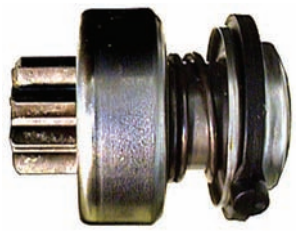
136614 Drive

Replacing: 1006209592; -941; 1961
Servicing: 0001107085; -10071; -10072; B001117153; -7; -61
O.D. 30.00, **I.D.** 12.00, **L.** 58.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



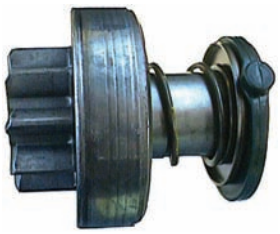
136645 Drive

Replacing: 9001336208; 10612-5
Servicing: mta12-7; MTA12-H24; MTA12P-7
O.D. 25.00, **I.D.** 11.60, **L.** 59.40,
No. of teeth 9, **Splines** 6, **Rotation** ACR,
Drive type Steel



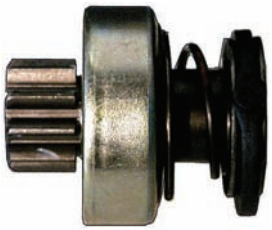
136723 Drive

Replacing: 1006209521; -35; 1.01.0798.0
Servicing: 0001106001; -2; -4; -8005; -8021; -8147; -8203; -8535; -11001; B001111024; -52; -69
O.D. 25.80, **I.D.** 12.00, **L.** 58.50,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



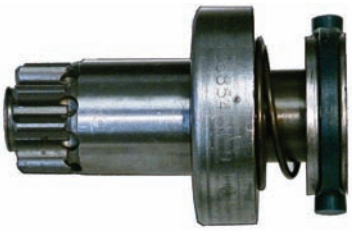
136743 Drive

Replacing: 9002336226; 1.01.0861.0; 9003336227; 9002336227; 6033ad2012
Servicing: 0001218168; -768; -820; -9012; 9000331432
O.D. 36.80, **I.D.** 12.00, **L.** 62.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



136787 Drive

Replacing: 9002336223; 9003336223; 1.01.1071.0
Servicing: 0001218162; -5; -765
O.D. 28.00, **I.D.** 12.00, **L.** 61.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



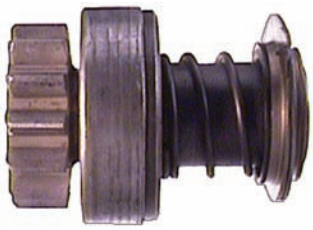
136854 Drive

Replacing: 1006209648; -99; 1.01.0937.0; 1006209621
Servicing: 0001124001; -2; -5; -6; -5001; -5002; -5007; -5008; -5011; -5012; -5013; -5021; -5022; -5031; -5032
O.D. 28.00, **I.D.** 13.50, **L.** 80.00,
No. of teeth 10, **Splines** 16, **Rotation** ACR, **Drive type** Steel
Dust cover kit: Cargo 230091



136888 Drive

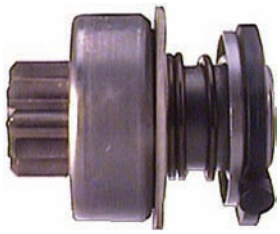
Replacing: 1006209561; 5234382; 1.01.0641.0; 1837
Servicing: 0001108068; -9; -70; -103; -104; -105; -123; -134; -135; -160; -995; -996; -997; -998; -999; B00111
O.D. 25.90, **I.D.** 11.00, **L.** 58.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



136912 Drive

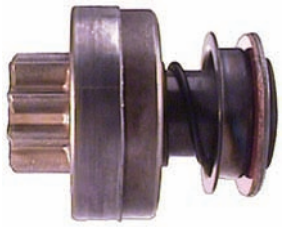
Replacing: 1006209474
Servicing: 0001314031; B001315132
O.D. 40.60, **I.D.** 11.70, **L.** 64.20,
No. of teeth 13, **Splines** 10, **Rotation** ACR, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



136925 Drive

Replacing: 1006209564; 1.01.0803.0
Servicing: 0001108075; -91; -92; -151; -154; B001111266; -9; -306
O.D. 25.80, **I.D.** 12.00, **L.** 58.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



136985 Drive

Replacing: 2006209488; -9; 1.01.1005.0
Servicing: 0001362094; -9; -6005; -6006; -6013; 9000143204; B001811040; -2383; -2418
O.D. 34.0, **I.D.** 14.35, **L.** 73.60,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



137170 Drive

Replacing: 1006209574; -626; -927
Servicing: 0001110059; -73; -81; B001117272; -4
O.D. 28.00, **I.D.** 12.15, **L.** 109.00,
No. of teeth 10, **Splines** 10, **Rotation** ACR, **Drive type** Steel



137171 Drive

Replacing: 9002336218
Servicing: 0001218152; B001233216
O.D. 37.00, **I.D.** 12.00, **L.** 62.10,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



137199 Drive

Replacing: 2006381010; -410; 130720
Servicing: 0001401007; -25; -49; -51; -2002; -2008; -2018; -2050; -2054; -2058; -2060; -2065; -2075; 000150100
O.D. 34.50, **I.D.** 14.70, **L.** 120.00,
No. of teeth 9, **Splines** 3, **Drive type** Bronze



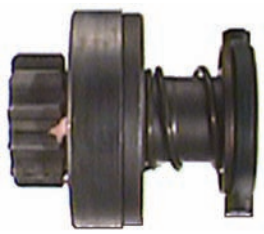
137231 Drive

Replacing: 2006209540; -2
Servicing: 0001364400; -2; -8313; -8318
O.D. 42.00, **I.D.** 14.30, **L.** 91.20,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



137265 Drive

Replacing: 1006209587; -933
Servicing: 0001112017; B001180054
O.D. 27.00, **I.D.** 12.00, **L.** 53.50,
No. of teeth 8, **Splines** 10, **Rotation** CR,
Drive type Steel



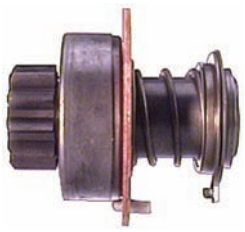
137275 Drive

Replacing: 9002336230; 1.01.0929.0
Servicing: 0001218172; -772
O.D. 35.80, **I.D.** 12.00, **L.** 64.00,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



137279 Drive

Replacing: 1006209482; -914; 1.01.0931.0
Servicing: 0001314047; -6012; -6013; B001315186; -28030
O.D. 33.00, **I.D.** 11.90, **L.** 75.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



137299 Drive

Replacing: 1003209432; 1006209082; -432
Servicing: 0001315002; B001317004
O.D. 30.00, **I.D.** 12.00, **L.** 64.00,
No. of teeth 11, **Splines** 10, **Rotation** ACR, **Drive type** Steel



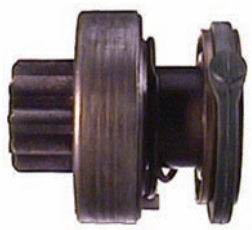
137310 Drive

Replacing: 9003336292
Servicing: 9000331420
O.D. 32.00, **I.D.** 12.15, **L.** 58.50,
No. of teeth 12, **Splines** 10, **Rotation** CR,
Drive type Steel



137480 Drive

Replacing: 1006209628; -49; 1.01.0932.0; 1006209758
Servicing: 0001123003; -4003; -4004; -4013; -4014; -5005; -5006; -5009; -5035; -5036
O.D. 25.80, **I.D.** 13.45, **L.** 81.00,
No. of teeth 9, **Splines** 16, **Rotation** ACR,
Drive type Steel
Dust cover kit: Cargo 230338.



137481 Drive

Replacing: 1006209618; -77; 1.01.0925.0; 1006209672
Servicing: 0001107037; -48; -54; -55; -67; -68; -69; -72; -73; -74; -76; -94; -95; -96; -105; -106; -8162; -81
O.D. 25.80, **I.D.** 12.00, **L.** 50.40,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



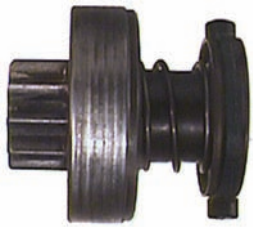
137483 Drive

Replacing: 1006209624; -33; -92; -96; -706; -715; -777; -944
Servicing: 0001106011; -4; -5; -7047; -7063; -7077; -7089; -7091; -7097; -7098; -7109; -8171; -8176; -8184; -1
O.D. 26.00, **I.D.** 12.20, **L.** 48.80,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



137888 Drive

Replacing: 1006209634; -60; 1.01.0997.0
Servicing: 0001107062; -8157; -8169; -8190; -8196; -8230; -8231; -15040; -15041; -15045; -15046
O.D. 29.60, **I.D.** 11.80, **L.** 50.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



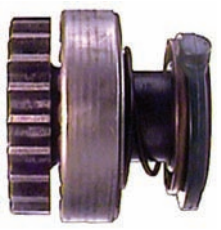
137889 Drive

Replacing: 1006209637
Servicing: 0001109015; -52; -55; -62; -68
O.D. 27.70, **I.D.** 11.95, **L.** 57.30,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



137890 Drive

Replacing: 1006209643; -946; 1.01.0972.0; 1006209759; -636
Servicing: 0001124007; -8; -11; -12; -18; -19; -22; -23; -24; -25; -5003; -5004; -5009; -5010; -5039; -5040
O.D. 26.00, **I.D.** 13.35, **L.** 92.00,
No. of teeth 9, **Splines** 16, **Rotation** ACR,
Drive type Steel



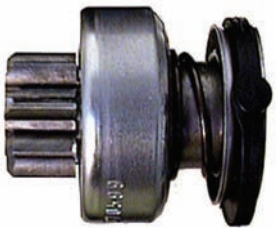
137891 Drive

Replacing: 1006209652
Servicing: 0001107059; -82
O.D. 49.60, **I.D.** 11.75, **L.** 49.00,
No. of teeth 21, **Splines** 10, **Rotation** CR,
Drive type Steel



137981 Drive

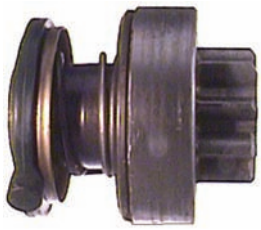
Replacing: 1006209629; -929; 1.01.0938.0
Servicing: 0001107043; -87; -13010; -13017
O.D. 26.60, **I.D.** 12.10, **L.** 48.50,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



138233 Drive

Replacing: 1006209613; 10476603; 1.01.0852.0
Servicing: 0001107031; -2; -49; 9000786; -98; -805; -806; -812; -819; -820; -822; -834; 9007045009
O.D. 27.20, **I.D.** 10.85, **L.** 54.00,
No. of teeth 8, **Splines** 10, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



138252 Drive

Replacing: 1006209602; 1936
Servicing: 0001107024; -15042; B001110080
O.D. 30.00, **I.D.** 12.00, **L.** 54.00,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



138308 Drive

Replacing: 2006202010; -1; 1.01.0920.0; 2008109203
Servicing: 0001370003; -4; -1004; -1005; -1006; -1007; -1008; -1009; -1010; -1013; -1015; -1016; -1019; -2001;
O.D. 42.00, **I.D.** 16.00, **L.** 118.00,
No. of teeth 11, **Splines** 19, **Rotation** CR



138312 Drive

Replacing: 2006209462
Servicing: 0001369015; -23; -200; -201; 9007044014; B001828107; -13
O.D. 39.10, **I.D.** 14.45, **L.** 91.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



138316 Drive

Replacing: 2006209432; 1.01.0814.0
Servicing: 0001367054; B001816187
O.D. 40.00, **I.D.** 14.00, **L.** 91.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



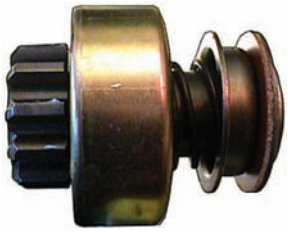
138322 Drive

Replacing: 1006209642; 1.01.1057.0
Servicing: 0001109014; -15001
O.D. 27.70, **I.D.** 12.00, **L.** 50.50,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



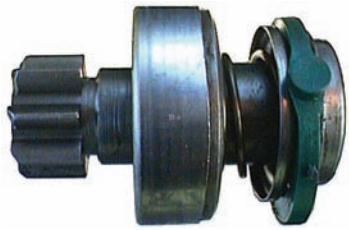
138332 Drive

Replacing: 9001453601; 10627; 1.01.0620.0; -2.0; 6002
Servicing: 0001371001; 9000453064; -5; -7; -8; B001850025; -1012
O.D. 45.00, **I.D.** 15.95, **L.** 118.00,
No. of teeth 12, **Splines** 19, **Rotation** CR



138867 Drive

Replacing: 2006209479; 1.01.0658.0
Servicing: 0001362060; -90; B001812178
O.D. 40.00, **I.D.** 14.00, **L.** 74.00,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



138874 Drive

Replacing: 1006209588; -932; 1.01.1011.0
Servicing: 0001112018; B001180055
O.D. 27.00, **I.D.** 13.15, **L.** 69.00,
No. of teeth 8, **Splines** 10, **Rotation** ACR,
Drive type Steel



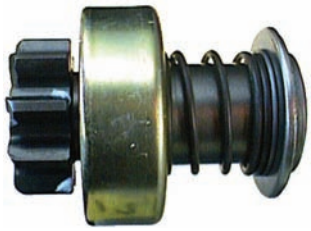
138875 Drive

Replacing: 1006209641; -762
Servicing: 0001121001; -2; -3; -30; -31; -32; -33; -34; -35; -3001
O.D. 26.00, **I.D.** 13.40, **L.** 81.00,
No. of teeth 9, **Splines** 16, **Rotation** CR,
Drive type Steel



138876 Drive

Replacing: 9001336320
Servicing: 9000334101; 9003334101
O.D. 27.00, **I.D.** 12.20, **L.** 62.00,
No. of teeth 10, **Splines** 10, **Rotation** ACR, **Drive type** Steel



138946 Drive

Replacing: 1006209420
Servicing: 0001311056; -4016; B001315028; -24012
O.D. 34.40, **I.D.** 12.00, **L.** 64.00,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



138948 Drive

Replacing: 9002336208; 1.01.0796.0
Servicing: 0001218809; 9000331419
O.D. 25.80, **I.D.** 12.00, **L.** 65.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



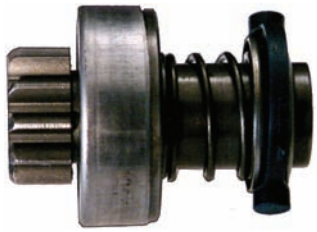
139013 Drive

Replacing: 1006209605; -6; -27; -928; 139570
Servicing: 0001108137; -44; -56; -9040; -10090; -10120; B001117613
O.D. 25.40, **I.D.** 12.00, **L.** 60.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



139056 Drive

Replacing: 6033ad0462; 6033ad3006; 6033ad4034; 9002336236; 1.01.1038.0; 6033ad3108; -244; -850; 6033ad4148
Servicing: 0001230001; -6; -12; -13; -27; -1002; -1003; -1005; -1018; -1033
O.D. 34.80, **I.D.** 14.45, **L.** 82.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



139336 Drive

Replacing: 1006209555; 1.01.0781.0; 1926
Servicing: 0001317024; B001329044
O.D. 29.50, **I.D.** 12.00, **L.** 64.00,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



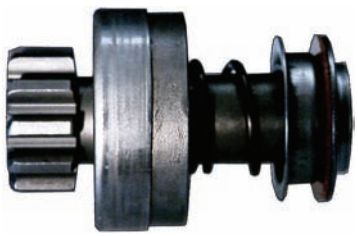
139458 Drive

Replacing: 9002336225
Servicing: 0001218166; -766
O.D. 37.00, **I.D.** 11.75, **L.** 58.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



139503 Drive

Replacing: 1006209073; -107
Servicing: 1214002
O.D. 30.50, **I.D.** 12.00, **L.** 68.00,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



139558 Drive

Replacing: 2006209491
Servicing: 0001362052; -7016; -7064; -7065; 9000143410; -600; -602; -603; -604; B001812210; -6006; -6121
O.D. 39.00, **I.D.** 14.00, **L.** 91.00,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



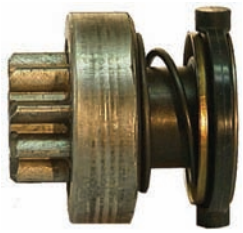
139846 Drive

Replacing: 1006209546; 1.01.0575.0
Servicing: 0001110024; B001117205
O.D. 27.90, **I.D.** 12.00, **L.** 58.50,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



139850 Drive

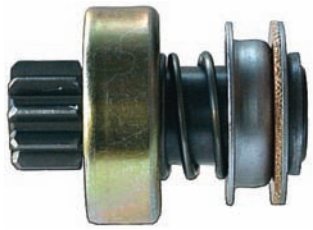
Replacing: 1006209553; -8; -65; -83; -910; -922
Servicing: 0001107005; -6; -8059; -8060; -8076; -8077; -8096; -8097; -12010; -12011; -14009; -14010; B00111006
O.D. 27.60, **I.D.** 12.00, **L.** 79.50,
No. of teeth 10, **Splines** 10, **Rotation** ACR, **Drive type** Steel



139954 Drive

Replacing: 1006209607; -70; -75; 1.01.0998.0
Servicing: 0001106019; -7030; -7066; -7075; -7078; -7079; -8181; 9000694035; -44; F000AL0102; -10; F004A94007
O.D. 29.00, **I.D.** 12.00, **L.** 49.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



230144 Drive

Replacing: 2006209503; -477; -1
Servicing: 0001363106; -19; -20; -23; B001813206; -21; -39; -52
O.D. 27.00, **I.D.** 12.00, **L.** 71.50,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



230145 Drive

Replacing: 2006209535
Servicing: 0001367025; -8004; B001816061; -2
O.D. 40.00, **I.D.** 14.15, **L.** 90.60,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



230159 Drive

Replacing: 1006209083; -433; 1.01.0314.0
Servicing: 0001314003; B001315015
O.D. 34.25, **I.D.** 12.00, **L.** 64.25,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



230197 Drive

Replacing: 1006209419
Servicing: 0001311054; B001324007
O.D. 47.00, **I.D.** 12.00, **L.** 64.00,
No. of teeth 13, **Splines** 10, **Rotation** CR,
Drive type Steel



230336 Drive

Replacing: 9002336219; 1.01.1070.0
Servicing: 9000331201; -3
O.D. 35.00, **I.D.** 12.00, **L.** 62.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



230339 Drive

Replacing: 1006209657; -757; 1.01.1108.0
Servicing: 0001121006; -7; -10; -11; -28; -29
O.D. 25.00, **I.D.** 13.45, **L.** 81.00,
No. of teeth 9, **Splines** 16, **Rotation** ACR,
Drive type Steel
Dust cover kit: Cargo 230338.



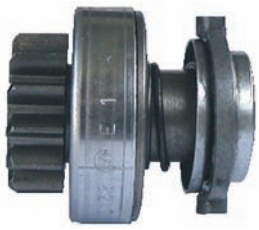
230340 Drive

Replacing: 1006209680; 1.01.1069.0; f00mal1100
Servicing: 0001121008; -9; -10; -11; -16; -17; -18; -19; -24; -25; -26; -27
O.D. 27.00, **I.D.** 13.50, **L.** 80.00,
No. of teeth 10, **Splines** 16, **Rotation** ACR, **Drive type** Steel



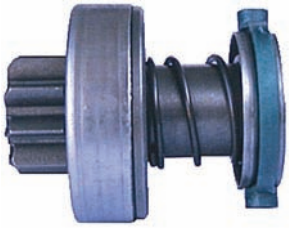
230349 Drive

Replacing: 1006209620
Servicing: 0001109012; -47
O.D. 34.00, **I.D.** 12.00, **L.** 59.00,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



230350 Drive

Replacing: 1006209622
Servicing: 1110110
O.D. 40.00, **I.D.** 12.00, **L.** 58.00,
No. of teeth 13, **Splines** 10, **Rotation** CR,
Drive type Steel



230351 Drive

Replacing: 9002336216
Servicing: 0001218143; -4; -70; -71; -771; B001233189; -94
O.D. 30.00, **I.D.** 12.00, **L.** 62.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



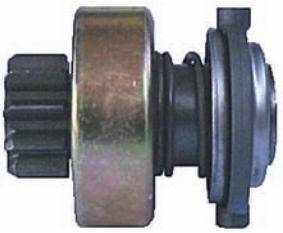
230352 Drive

Replacing: 1006209646; 1.01.1030.0
Servicing: 1109026
O.D. 29.00, **I.D.** 11.80, **L.** 49.00,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



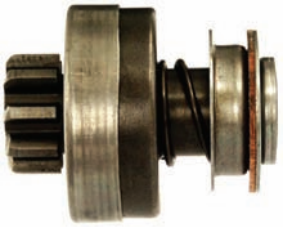
230546 Drive

Replacing: 9002336224; 9003336287; 1.01.1072.0; 9002336287
Servicing: 0001218157; -757; 9000331414
O.D. 29.00, **I.D.** 12.00, **L.** 62.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



230639 Drive

Replacing: 1006209603
Servicing: 1108128
O.D. 26.50, **I.D.** 11.85, **L.** 58.50,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



230789 Drive

Replacing: 2006209468
Servicing: 0001363108; -6025; B001811056; -3212
O.D. 33.40, **I.D.** 14.30, **L.** 73.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



230828 Drive

Replacing: 1006209645; -802; -950; 1.01.1033.0
Servicing: 0001109025; -30; -33; -35; -45; -200; -201; -265; -266; -267; -268; -269; -270; f000al0015
O.D. 29.00, **I.D.** 11.95, **L.** 49.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



230834 Drive

Replacing: 1006209671; 1.01.1058.0
Servicing: 0001108180; -2; -6
O.D. 29.00, **I.D.** 12.00, **L.** 51.00,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



230835 Drive

Replacing: 1006209631; -5; -78; 1.01.1037.0; f005m10053; 233297
Servicing: 0001108183; -217; -218; -9036; -9250; -10112; -15001; -15008; F005M00016
O.D. 27.00, **I.D.** 12.00, **L.** 50.50,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



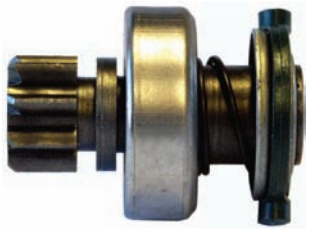
230961 Drive

Replacing: 2006382178; -82; -88
Servicing: 0001410064; -97; -1004; -1019; -5023; -6029; -6037; -6046; -6063; -7015; -7018; -7026; -7069; -7076
O.D. 39.10, **I.D.** 10.25, **L.** 61.00, **Shaft L.** 39.85, **No. of teeth** 10, **Drive type** Steel



231009 Drive

Replacing: 1006209650; -850; 1.01.1451.0
Servicing: 0001109029; -22201; -22202
O.D. 30.00, **I.D.** 12.00, **L.** 50.00,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



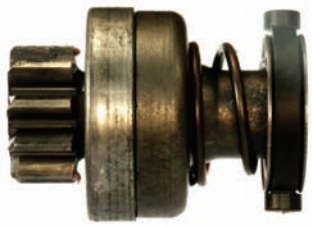
231015 Drive

Replacing: 1006209590; -931; 1958
Servicing: 0001107011; -39; B001110092
O.D. 27.00, **I.D.** 12.00, **L.** 66.80,
No. of teeth 8, **Splines** 10, **Rotation** ACR,
Drive type Steel



231585 Drive

Replacing: 2006209003; -33; -187; -903
Servicing: 1354009
O.D. 47.00, **I.D.** 14.40, **L.** 90.00,
No. of teeth 13, **Splines** 3, **Rotation** CR,
Drive type Steel



231756 Drive

Replacing: 6033ad0200; 6033ad4019; 6033ad0184; 9002336237; 1.01.1059.0; 233728
Servicing: 0001230004; -8; -1001; -1009; -1012; -1016; -1017; -1026; -1027
O.D. 40.00, **I.D.** 14.20, **L.** 84.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



231884 Drive

Replacing: 1006209120; 2006209282; 1006209050; -4
Servicing: 0001212001; -5001; -5002; B001223001
O.D. 26.00, **L.** 98.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



231885 Drive

Replacing: 2006209434; 1.01.0784.0; 1981
Servicing: 0001367061; B001816377
O.D. 29.60, **I.D.** 14.25, **L.** 91.00, **No. of teeth** 9, **Splines** 10, **Rotation** ACR, **Drive type** Steel



231886 Drive

Replacing: 2006209329; 1.01.0727.0
Servicing: 0001363103; -6010; B001811032; -3213
O.D. 47.00, **I.D.** 14.00, **L.** 74.00, **No. of teeth** 13, **Splines** 10, **Rotation** ACR, **Drive type** Steel



231896 Drive

Replacing: 1006209704; 1.01.1153.0
Servicing: 1116001
O.D. 26.00, **I.D.** 12.00, **L.** 47.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



231897 Drive

Replacing: 1006209601; -924; 2144
Servicing: 0001109008; -43; B001116015
O.D. 30.00, **I.D.** 11.50, **L.** 70.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



231898 Drive

Replacing: 6033ad0061
Servicing: 1223002
O.D. 36.00, **I.D.** 12.00, **L.** 62.00, **No. of teeth** 11, **Splines** 16, **Rotation** CR, **Drive type** Steel



232362 Drive

Replacing: 9002336233
Servicing: 0001218819; 9000331431
O.D. 34.00, **I.D.** 12.00, **L.** 68.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



232481 Drive

Replacing: 1006209542
Servicing: 0001110018; B001117046
O.D. 30.00, **I.D.** 12.00, **L.** 58.00, **No. of teeth** 9, **Splines** 10, **Rotation** ACR, **Drive type** Steel



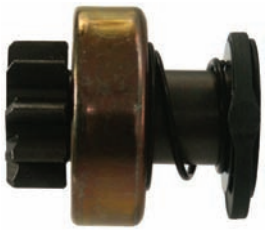
232623 Drive

Replacing: 1006209681; -943
Servicing: 0001125016; -7; -8; -9; -46; -47; -48; -49; -605; -606
O.D. 53.50, **I.D.** 14.70, **L.** 105.50, **No. of teeth** 10, **Splines** 16, **Rotation** ACR, **Drive type** Steel



232632 Drive

Replacing: 2006202000; 480410; 75249; m029075429; 103066; 1.01.0776.0
Servicing: 0001420001; -3; -4; -5; -9; -12; -13; -14; -15; -24; -25; -1001; -1002; -1003; -1004; -1006; -1008;
O.D. 46.30, **I.D.** 19.00, **L.** 118.00, **No. of teeth** 12, **Splines** 19, **Rotation** CR, **Drive type** Steel



233719 Drive

Replacing: 6033ad0414; 233921
Servicing: 1223013
O.D. 36.00, **I.D.** 11.75, **L.** 58.00, **No. of teeth** 9, **Splines** 16, **Rotation** CR, **Drive type** Steel



233720 Drive

Replacing: 1006209653

Servicing: 0001109041; -61; -63; -252; -256; -264

O.D. 25.00, **I.D.** 12.00, **L.** 50.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



233722 Drive

Replacing: 6033ad0129

Servicing: 1231004

O.D. 46.00, **I.D.** 14.15, **L.** 82.00,
No. of teeth 12, **Splines** 10, **Rotation** CR,
Drive type Steel



233723 Drive

Replacing: 6033ad0267

Servicing: 1230002

O.D. 40.00, **I.D.** 13.85, **L.** 82.00,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



233828 Drive

Replacing: 1006209656; 1.01.1155.0

Servicing: 0001109028; -31; -10132; F000AL0108

O.D. 34.40, **I.D.** 12.00, **L.** 51.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



233829 Drive

Replacing: 1006209669

Servicing: 1109034

O.D. 39.00, **I.D.** 12.00, **L.** 51.50,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



233831 Drive

Replacing: 1006209647

Servicing: 1108168

O.D. 36.00, **I.D.** 11.95, **L.** 47.00,
No. of teeth 11, **Splines** 10, **Rotation** ACR, **Drive type** Steel



233834 Drive

Replacing: 9002334025; 9002336217

Servicing: 0001218148; -9; B001233270

O.D. 26.00, **I.D.** 12.10, **L.** 66.00,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



233835 Drive

Replacing: 6033ad0077; 6033ad1002; 1.01.1158.0; 1158

Servicing: 0001223003; -7; -24

O.D. 36.00, **I.D.** 12.00, **L.** 62.00,
No. of teeth 9, **Splines** 16, **Rotation** CR,
Drive type Steel



233836 Drive

Replacing: 6033ad0004

Servicing: 1223001

O.D. 30.00, **I.D.** 12.00, **L.** 58.00,
No. of teeth 9, **Splines** 16, **Rotation** CR,
Drive type Steel



233837 Drive

Replacing: 6033ad0148; 6033ad3130

Servicing: 0001230007; -9; -10; -1010; -1011

O.D. 35.00, **I.D.** 14.30, **L.** 82.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



233838 Drive

Replacing: 1006209930; -632

Servicing: 1112036

O.D. 26.00, **I.D.** 13.15, **L.** 57.00,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



233839 Drive

Replacing: 1006209659

Servicing: 1107064

O.D. 35.00, **I.D.** 12.20, **L.** 49.00,
No. of teeth 13, **Splines** 10, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



233840 Drive

Replacing: 1006209683
Servicing: 1107083
O.D. 35.00, **I.D.** 12.00, **L.** 49.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel
M14.



233841 Drive

Replacing: 1006209753
Servicing: 1106016
O.D. 26.00, **I.D.** 12.15, **L.** 67.00,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



233842 Drive

Replacing: 1006209466; 1.01.0829.0
Servicing: 0001314025; -32; -43; -45; B001315122; -77; -81
O.D. 29.60, **I.D.** 12.00, **L.** 64.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



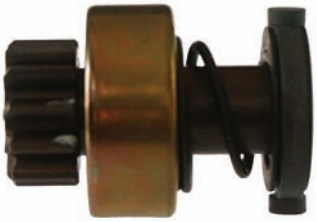
233843 Drive

Replacing: 1006209479
Servicing: 1316006
O.D. 30.00, **I.D.** 12.00, **L.** 64.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



233947 Drive

Replacing: 6033ad1062
Servicing: 0001223016; -21
O.D. 34.50, **I.D.** 12.15, **L.** 61.50,
No. of teeth 9, **Splines** 16, **Rotation** CR,
Drive type Steel



233948 Drive

Replacing: 6033ad0250
Servicing: 0001231013; -36; -40; -41
O.D. 42.00, **I.D.** 14.35, **L.** 83.00,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



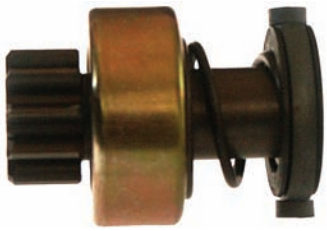
233949 Drive

Replacing: 6033ad0115; 6033ad4001; 1.01.1179.0
Servicing: 1231006
O.D. 35.80, **I.D.** 13.85, **L.** 83.00,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



234065 Drive

Replacing: 9002336232; 2002336232
Servicing: 1218173
O.D. 25.30, **I.D.** 12.10, **L.** 58.30,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



234087 Drive

Replacing: 6033AD0306; 1.01.1178.0; 6033ad0243; 9006033136; -306
Servicing: 0001231008; -29; -35
O.D. 38.00, **I.D.** 14.25, **L.** 84.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



234124 Drive

Replacing: 1006209804; 2338
Servicing: 0001107407; -10; -17; -18; -99; -500; -501; -502; -8408
O.D. 26.00, **I.D.** 11.10, **L.** 48.50,
No. of teeth 10, **Splines** 16, **Rotation** CR,
Drive type Steel



234141 Drive

Replacing: 1006209949; -60
Servicing: 0001124020; -1; -5053; -5054; -5600; -5601
O.D. 29.00, **I.D.** 13.50, **L.** 92.00,
No. of teeth 9, **Splines** 16, **Rotation** CR,
Drive type Steel



234158 Drive

Replacing: 1006209936; -666; -791
Servicing: 0001109021; -2; -66; -67; -258; -259; -260; -261
O.D. 32.70, **I.D.** 12.00, **L.** 61.80,
No. of teeth 10, **Splines** 9, **Rotation** CR,
Drive type Steel



234168 Drive

Replacing: 6033ad0218
Servicing: 1223005
O.D. 27.50, **I.D.** 12.15, **L.** 60.00,
No. of teeth 10, **Splines** 16, **Rotation** CR,
Drive type Steel



234242 Drive

Replacing: 1006209661; 6030
Servicing: 0001107102; -8197; -8205; -8213; -8214; -8222; -8223; -15005; -15006; -15009; -15049; -15050; -1505
O.D. 28.00, **I.D.** 11.90, **L.** 72.00,
No. of teeth 10, **Splines** 16, **Rotation** CR,
Drive type Steel



234247 Drive

Replacing: 1006209801; -7; 2266
Servicing: 0001107401; -2; -3; -4; -5; -6; -8; -9; -27; -28; -35; -36; -46; -47
O.D. 25.40, **I.D.** 11.15, **L.** 48.50,
No. of teeth 9, **Splines** 16, **Rotation** CR,
Drive type Steel



234271 Drive

Replacing: 1006209639
Servicing: 1109017
O.D. 35.50, **I.D.** 12.10, **L.** 59.00,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



234293 Drive

Replacing: 1006209655; -760
Servicing: 0001125055; -6; -501; -502; -503; -504; -507; -508; -511; -512; -513; -514; -517; -518; -602
O.D. 26.00, **I.D.** 13.60, **L.** 81.00,
No. of teeth 9, **Splines** 16, **Rotation** CR,
Drive type Steel



234403 Drive

Replacing: 9003336282; 1.01.0838.0
Servicing: 0001218161; -808; 9000218161; 9000331418
O.D. 34.80, **I.D.** 12.00, **L.** 62.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



234405 Drive

Replacing: 6033ad0270; 1.01.1022.0
Servicing: 1223010
O.D. 35.50, **I.D.** 11.90, **L.** 57.50,
No. of teeth 9, **Splines** 16, **Rotation** CR,
Drive type Steel



234406 Drive

Replacing: 6033ad0091; 1.01.1160.0
Servicing: 0001223500; -5
O.D. 32.00, **I.D.** 14.25, **L.** 75.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



234534 Drive

Replacing: 1006209440
Servicing: 0001314008; B001315050
O.D. 29.00, **I.D.** 12.00, **L.** 64.00,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



234535 Drive

Replacing: 1006209812; 2343
Servicing: 0001108400; F004A94000
O.D. 27.80, **I.D.** 10.90, **L.** 47.80,
No. of teeth 10, **Splines** 16, **Rotation** CR,
Drive type Steel



234785 Drive

Replacing: 1006209806; 1.01.1632.0
Servicing: 0001120400; -1; -4; -5; -6; -7; -8; -9; -10; -11; -1408; -1409; -1410; -1411; -2400; -2401
O.D. 27.70, **I.D.** 13.45, **L.** 83.10,
No. of teeth 10, **Splines** 16, **Drive type** Steel



234805 Drive

Replacing: 1006209586
Servicing: 0001109003; B001116006
O.D. 28.00, **I.D.** 12.00, **L.** 69.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



234806 Drive

Replacing: 1006209658; -595; 2370
Servicing: 0001107060; -8118; -8119
O.D. 30.00, **I.D.** 11.90, **L.** 53.00,
No. of teeth 9, **Splines** 10, **Drive type** Steel



234807 Drive

Replacing: 1006209481; -925
Servicing: 0001314046; -9; -6011; B001315184; -28029
O.D. 26.00, **I.D.** 12.00, **L.** 75.00,
No. of teeth 9, **Splines** 10, **Drive type** Steel



234862 Drive

Replacing: 9002336238
Servicing: 1219014
O.D. 34.50, **I.D.** 12.00, **L.** 62.00,
No. of teeth 9, **Splines** 10, **Drive type** Steel



234901 Drive

Replacing: 6033AD0351
Servicing: 1223014
O.D. 27.40, **I.D.** 12.00, **L.** 64.50,
No. of teeth 10, **Splines** 16, **Drive type** Steel



234902 Drive

Replacing: 1006209959; -779; -792
Servicing: 0001108202; -24; -34; -35; -9204; -15021; -15025
O.D. 29.00, **I.D.** 13.45, **L.** 51.00,
No. of teeth 9, **Splines** 10, **Drive type** Steel



234923 Drive

Replacing: 9003336295
Servicing: 0001219002; -3; -5; -6; B001235005; -11
O.D. 25.80, **I.D.** 12.00, **L.** 62.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



234924 Drive

Replacing: 2006209460
Servicing: 0001362317; -8; B001812419; -24
O.D. 36.30, **I.D.** 14.35, **L.** 91.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



234945 Drive

Replacing: 1006209614; 1.01.1467.0; f000al2000
Servicing: 6004AA0017; 9007045016
O.D. 26.00, **I.D.** 12.00, **L.** 67.00,
No. of teeth 8, **Splines** 10, **Rotation** ACR,
Drive type Steel



234946 Drive

Replacing: 1006209805; -14; -958; 2267
Servicing: 0001107411; -23; -24; -25; -26; -90; -91
O.D. 29.60, **I.D.** 11.05, **L.** 48.00,
No. of teeth 9, **Splines** 16, **Rotation** CR



234971 Drive

Replacing: 2006209461
Servicing: 0001368077; B001816486
O.D. 35.80, **I.D.** 14.25, **L.** 91.00,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



235200 Drive

Replacing: 1006209714; 2368
Servicing: 1116006
O.D. 26.20, **L.** 48.20, **No. of teeth** 8,
Splines 10, **Rotation** CR, **Drive type** Steel



235290 Drive

Replacing: 1006209794; 1545; 1006209810; 1.01.1545.0; 1006209820; 239903
Servicing: 0001107415; -31; -32; -38; -39; 6004AA0027
O.D. 27.20, **I.D.** 11.00, **L.** 48.00,
No. of teeth 8, **Splines** 10



235425 Drive

Replacing: 1006209768; 6035
Servicing: 0001106018; 000110608
L. 58.00, **No. of teeth** 9, **Splines** 10



235429 Drive

Replacing: 6033ad3028; -109
Servicing: 0001230015; -6; -28; -29
L. 99.00, **No. of teeth** 13, **Splines** 10



235440 Drive

Replacing: 1006209695
Servicing: 0001107088; f000al0106
L. 50.00, **No. of teeth** 11, **Splines** 10,
Rotation CR



235445 Drive

Replacing: 2006209089
Servicing: 1354094
O.D. 38.00, **L.** 90.00, **No. of teeth** 10,
Splines 10



235701 Drive

Replacing: 2006209536; -930
Servicing: 0001367074; -300; -301; -303; -8300; -8307; -8309; -8315
O.D. 34.23, **I.D.** 14.25, **L.** 91.15,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



236130 Drive

Replacing: 6033AD0304; -242; -467; 6033AD4052; 234721; 2384
Servicing: 0001231007; -14; -19; -30; -34
O.D. 40.00, **I.D.** 14.70, **L.** 85.30,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



236375 Drive

Replacing: 1006209961
Servicing: 0001123004; -5; -14; -15; -16; -17; -20; -21
O.D. 27.72, **L.** 92.10, **No. of teeth** 10,
Splines 16



236508 Drive

Replacing: 1006209781
Servicing: 0001123002; -3
O.D. 25.30, **I.D.** 13.45, **L.** 82.80,
No. of teeth 9, **Splines** 16, **Rotation** CR,
Drive type Steel



236641 Drive

Replacing: 1006209952
Servicing: 0001107092; -3
O.D. 27.00, **I.D.** 13.35, **L.** 49.10,
No. of teeth 8, **Splines** 10, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



236832 Drive

Replacing: 1006209796; 6028
Servicing: 0001107429; -37; F002G20485
O.D. 25.30, **I.D.** 11.05, **L.** 48.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



236854 Drive

Replacing: 1006209953
Servicing: 0001121022; -3
O.D. 27.80, **I.D.** 14.75, **L.** 104.70,
No. of teeth 10, **Splines** 16, **Rotation** ACR, **Drive type** Steel



236883 Drive

Replacing: 1006209813
Servicing: 0001121402; -3; -12; -13; -29; -30; -2402; -2403
O.D. 28.00, **I.D.** 11.00, **L.** 91.00,
No. of teeth 10, **Splines** 16, **Rotation** ACR



236891 Drive

Replacing: 1006209809
Servicing: 0001120402; -3
O.D. 25.50, **I.D.** 11.55, **L.** 83.55,
No. of teeth 9, **Splines** 16, **Rotation** ACR,
Drive type Steel



237667 Drive

Replacing: 1006209964; -818; 6031
Servicing: 0001109300; -1; -2; -3; -6; -7; 001109300; -1
O.D. 35.50, **L.** 56.00, **No. of teeth** 9, **Splines** 10



237752 Clutch

Replacing: 6033AD5078; -55; -355; 6020
Servicing: 0001241001; -3; -4; -5; -6; -7; -14; -15; -19; -20
O.D. 72.30, **I.D.** 3.40, **L.** 127.30, **Splines** 19, **Splines** 7



330226 Drive

Replacing: 1006209823
Servicing: 0001106405; -6
O.D. 27.65, **I.D.** 11.00, **L.** 48.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel

Drive Parts



230091 Dust Cover Kit

Dust cover kit for 10 teeth drives.



230338 Dust Cover Kit

Dust cover kit for 9 teeth drive.

Pkg 10



231875 DP Pin

Servicing: 2006202011

Pkg 3



231876 DP Centre Weight



235194 Pinion

Servicing: 0001124020; -1; -5053; -5054; -5600; -5601
O.D. 29.00, **I.D.** 11.45, **H.** 67.85,
No. of teeth 9



237769 Pinion

Replacing: 6033AC5149; -246; 6026
Servicing: 0001241001; -3; -4; -5; -6; -7; -14; -15; -19; -20
O.D. 45.10, **I.D.** 25.60, **H.** 22.70,
No. of teeth 12, **Splines** 19

Washers

Pkg 100



134764 DD Washer

Replacing: 1000207006
Servicing: 0001108202; -4; -24; -34; -35; -39; -40; -9041; -9269; -9270; -9271; -9272; -9273; -9274; -9301; -9
O.D. 23.50, **I.D.** 18.50, **Th.** 1.60, **Material** Fiber

Pkg 10



135523 Washer

O.D. 33.00, **I.D.** 19.50, **Th.** 1.50, **Material** Fiber

Planet Gears



131989 Planet Gear

Replacing: 9001140391; 9001337069; 1662; 2055
Servicing: 0001218003; -20; -178; B001233054; -91
L. 155.90, **Splines** 10



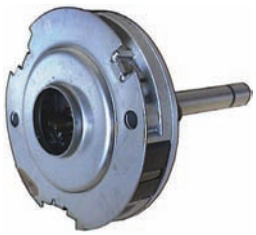
131990 Planet Gear

Replacing: 9001140362; 1663
Servicing: 0001218001; -2; -4; -7; -8; -9; -10; -11; -12; -13; -14; -17; -18; -19; -22; -23; -24; 9000331401;
L. 140.90, **Splines** 10



131991 Planet Gear

Replacing: 1006200050; 1664
Servicing: 0001218006; -16; -21; -29; -108; -160; -9001; -9007; -9009; -9013; -9015; 9000331419; B001233017; -
L. 143.55, **Splines** 10, **Rotation** CR



133195 Planet Gear

Replacing: 9001337067; 9003336285; 1665; -845
Servicing: 9000331406; -11
L. 131.45, **Splines** 10



133456 Planet Gear

Replacing: 1006200006; -187
Servicing: 0001110004; -7; -8; -11; -12; -13; -19; -22; -23; -27; -43; -44; -45; -46; -51; -52; -64; -65; -66;
L. 136.60, **Splines** 10



133457 Planet Gear

Replacing: 1006200015
Servicing: 0001109009; -10003; -10005; -10024; -10025; -10042; -10055; -10082; -10092; -10102; -10115; -10124;
L. 136.50, **Splines** 10



133458 Planet Gear

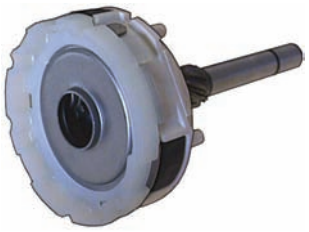
Replacing: 1006200021; 1007010099; 1006200004
Servicing: 0001110001; -2; -14; -15; -57; -58; B001117008; -43; -147
L. 134.60, **Splines** 10, **Rotation** ACR



133459 Planet Gear

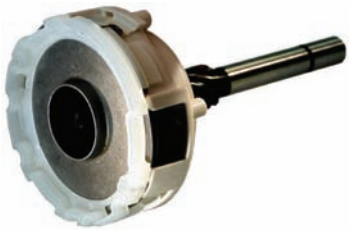
Replacing: 1003200056; 1006200001; -5; -10; -18; -22; -56; -123; -131
Servicing: 0001107061; -8001; -8002; -8004; -8007; -8009; -8010; -8011; -8012; -8016; -8017; -8019; -8020; -80
L. 133.25, **Splines** 10

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



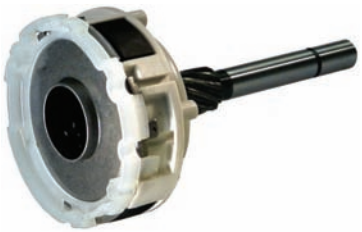
133483 Planet Gear

Replacing: 1006200017; -48; -49; -104; -134; -903
Servicing: 0001108003; -18; -42; -54; -57; -63; -64; -65; -74; -78; -79; -80; -83; -87; -88; -89; -90; -101; -
L. 137.80, **Splines** 10



133484 Planet Gear

Replacing: 1006200016; -902
Servicing: 0001110016; -28; -29; -30; -39; -41; -48; -49; -53; -54; -71; -72; -75; -78; -91; -100; -101; -104;
L. 140.00, **Splines** 10



133485 Planet Gear

Replacing: 1004200019; 1006200019; -904
Servicing: 0001110017; -26; -56; -79; -89; -95; -114; -999; -1001; B001117203; -4; -75; -301; F010AL0101
L. 139.35, **Splines** 10



135068 Planet Gear

Replacing: 1006200037; -130; -910
Servicing: 0001107003; -4; -22; -23; B001110041; -100
L. 148.20, **Splines** 10, **Rotation** ACR



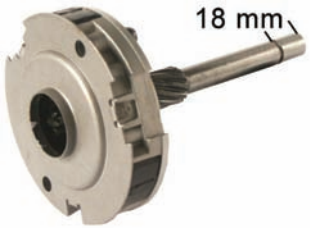
135069 Planet Gear

Replacing: 1006200014; -900
Servicing: 0001108021; -121; -147; B001111069
L. 138.40, **Splines** 10, **Rotation** ACR



135071 Planet Gear

Replacing: 136909; 135071; 9001337059; 1803
Servicing: 0001218002; -4; -5; -9; -11; -13; -25; -100; -104; -105; -106; -107; -111; -112; -113; -114; -115;
L. 145.45, **Splines** 10



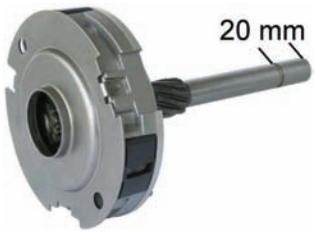
135072 Planet Gear

Replacing: 9001337056; 9003336268; 9001337062; 1804
Servicing: 0001218006; -16; -21; -29; -108; -109; -110; -123; -137; -139; -150; -156; -160; -710; -9001; -9007
L. 144.60, **Splines** 10



135073 Planet Gear

Replacing: 9001337057; 9003336296; 1805
Servicing: 0001218101; -30; -32; -34; -35; -36; -42; -57; -63; -74; 9000332402
L. 144.80, **Splines** 10



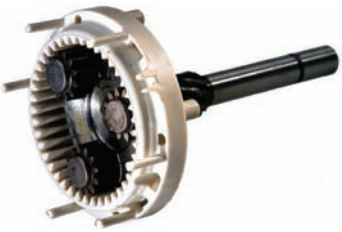
135074 Planet Gear

Replacing: 9001337058; 9003336299; 1806
Servicing: 0001218002; -7; -8; -9; -10; -12; -14; -15; -17; -18; -19; -22; -23; -24; -26; -27; -28; -102; -103
L. 144.90, **Splines** 10



135075 Planet Gear

Replacing: 9001337075; 9003336267; 1807
Servicing: 9000331421; -4; -8
L. 134.20, **Splines** 10



135161 Planet Gear

Replacing: 1006200040
Servicing: 0001109001; -2; -6; -7; B001116001
L. 128.00, **Splines** 10



135471 Planet Gear

Replacing: 1006200058; -103
Servicing: 0001107017; -8; -44; -45; B001110081
L. 124.55, **Splines** 10



135598 Planet Gear

Replacing: 1006200012; -183
Servicing: 0001110009; -10; -31; -32; AD165320Q; B001117030; -68; -71; -140; -609; -610
L. 160.95, **Splines** 10, **Rotation** ACR



135599 Planet Gear

Replacing: 1006200020
Servicing: 0001110018; B001117046
L. 137.25, **Splines** 10, **Rotation** ACR



135600 Planet Gear

Replacing: 1006200042; -110; f000al0110
Servicing: 0001107009; -12; -13; -15; -34; -60; 9000081004; B001110042; -3; -52; -97
L. 124.10, **Splines** 10



135601 Planet Gear

Replacing: 1006200043; -128; f000al0128
Servicing: 0001107007; -8; -20; -21; -52; -53; 9000694029; B001110054; -99
L. 124.35, **Splines** 10, **Rotation** ACR



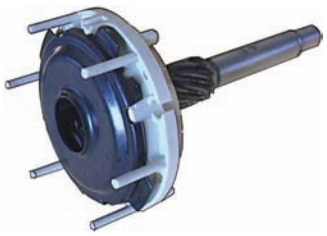
135841 Planet Gear

Replacing: 1006200030; -41; 136337; 230982
Servicing: 0001107005; -6; -8059; -8060; -8076; -8077; -8096; B001111155; -217; -270
L. 148.10, **Splines** 10, **Rotation** ACR



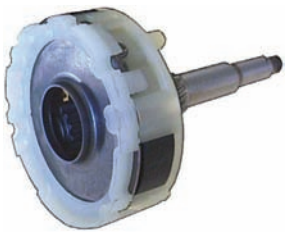
136788 Planet Gear

Replacing: 9001337087; 2330
Servicing: 0001218162; -5
L. 135.10, **Splines** 10



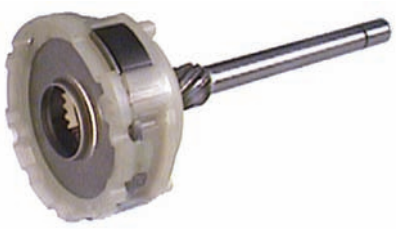
136789 Planet Gear

Replacing: 1006200068; -135; 1007010103
Servicing: 140035 0001108130; -3; -8; -210; -10017; -10026; -10079; -10089; -10095; B001111399; -439; -455
L. 125.55, **Splines** 10, **Rotation** ACR



136855 Planet Gear

Replacing: 1006200088
Servicing: 0001123003; -4001; -4002; -4003; -4004; -4005; -4006; -4013; -4014
L. 116.45, **Splines** 16, **Rotation** ACR



137225 Planet Gear

Replacing: 1006200034
Servicing: 0001110059; -73; -81; B001117272; -4
L. 180.75, **Splines** 10, **Rotation** ACR



137328 Planet Gear

Replacing: 1006200069; -127
Servicing: 0001107025; -6; -103; -104; B001110114
L. 139.70, **Splines** 10



137383 Planet Gear

Replacing: 9001337073; 2123
Servicing: 0001218116; -7; B001233180
L. 167.90, **Splines** 10, **Rotation** ACR



137463 Planet Gear

Replacing: 1006200112
Servicing: 0001108162; -72; -78; -88; -99; -202; -204; -224; -234; -235; -239; -240; F002G20049; -52; -101; -1
L. 119.50, **Splines** 10

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



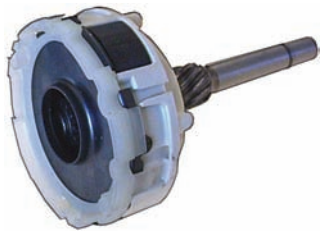
137464 Planet Gear

Replacing: 1006200117
Servicing: 0001125001; -2; -5; -6; -7; -8; -9; -10; -12; -13; -21; -22; -31; -32; -35; -36; -42; -43; -51; -52
L. 109.65, **Splines** 16, **Rotation** ACR



137465 Planet Gear

Replacing: 1006200122
Servicing: 1125011
L. 117.10, **Splines** 16, **Rotation** ACR



137623 Planet Gear

Replacing: 1006200077; -86
Servicing: 0001110076; -7; -98; -99; B001110076
L. 137.20, **Splines** 10



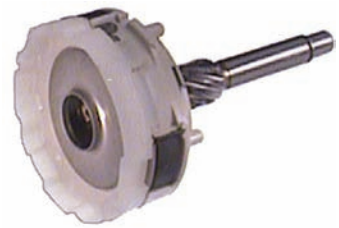
137624 Planet Gear

Replacing: 9001337085
Servicing: 9000331201
L. 141.65, **Splines** 10



137754 Planet Gear

Replacing: 1006200070; -133
Servicing: 0001107027; -8; -9; -41; B001110133
L. 127.95, **Splines** 10



137755 Planet Gear

Replacing: 1006200061; -71; -81; -111; 136716
Servicing: 0001108125; -8; -32; -39; -40; -41; -48; -50; -55; -56; -70; -77; -15035; B001111390; -432; -438; -
L. 132.45, **Splines** 10



137783 Planet Gear

Replacing: 1006200007; -32
Servicing: 0001108013; -32; -45; -46; -66; -70; -105; B001111031; -105; -145; -146; -212; -227; -340
L. 131.90, **Splines** 10



137884 Planet Gear

Replacing: 1006200101
Servicing: 0001109015; -52; -55; -62; -68; -202; -203
L. 129.25, **Splines** 10



137885 Planet Gear

Replacing: 1006200114
Servicing: 0001107054; -5; -67; -68; -69; -73; -74; -76
L. 121.20, **Splines** 10



137886 Planet Gear

Replacing: 1006200100; -9; -18
Servicing: 0001124007; -8; -11; -12; -22; -23; -24; -25; -5003; -5004; -5009; -5010; -5039; -5040
L. 120.30, **Splines** 16, **Rotation** ACR



137887 Planet Gear

Replacing: 1006200125
Servicing: 0001107059; -82; F005M00006; -13
L. 113.30, **Splines** 10



137920 Planet Gear

Replacing: 1006200059; -98
Servicing: 0001108123; -34; -60; -995; B001111412
L. 125.45, **Splines** 10



137921 Planet Gear

Replacing: 1006200087; -145
Servicing: 0001107037; -48; -8157; -8169; -8190; -8196
L. 120.71, **Splines** 10, **Rotation** CR



138232 Planet Gear

Replacing: 1006200083
Servicing: 0001107031; -2; -49; 9007045009
L. 117.70, **Splines** 10



138253 Planet Gear

Replacing: 1006200064
Servicing: 0001107024; B001110080
L. 123.85, **Splines** 10



138325 Planet Gear

Replacing: 1006200096; -9; -154; f010al1012
Servicing: 0001109014; -8; -25; -26; -28; -30; -31; -33; -35; -36; -41; -42; -48; -61; -200; -204; -252; -253;
L. 125.15, **Splines** 10



138862 Planet Gear

Replacing: 1006200057; -132
Servicing: 0001107014; -6; B001110071; -8; F004A94009
L. 132.80, **Splines** 10



138916 Planet Gear

Replacing: 1006200072; -148; -153
Servicing: 0001106011; -5; -9; -7030; -7075; -7077; -7079; -7088; -7089; -7092; -7093; -7098; -15006; 90006940
L. 110.75, **Splines** 10



138917 Planet Gear

Replacing: 1006200060
Servicing: 0001107019; B001110044
L. 118.15, **Splines** 10



138918 Planet Gear

Replacing: 1006200062
Servicing: 0001107010; -38; B001110093
L. 109.15, **Splines** 10



138919 Planet Gear

Replacing: 1006200063; -160; -180
Servicing: 0001106016; -7011; -7039; -7080; B001110092
L. 129.75, **Splines** 10, **Rotation** ACR



138920 Planet Gear

Replacing: 1006200055; -184
Servicing: 0001110061; -2; -9; -70; -84; -85; -86; -87; -118; -119
L. 162.00, **Splines** 10, **Rotation** ACR



139012 Planet Gear

Replacing: 1006200067; -97
Servicing: 0001108135; B001111415; F002G20592
L. 139.35, **Splines** 10



139021 Planet Gear

Replacing: 1006200093
Servicing: 1107047
L. 114.65, **Splines** 10

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



139509 Planet Gear

Replacing: 9001337094; 2331
Servicing: 1218172
L. 135.70, **Splines** 10



139969 Planet Gear

Replacing: 1006200095; -195; -201
Servicing: 0001106014; -7043; -7063; -7066; -7087; -7091; -7097; -7109
L. 110.55, **Splines** 10



139976 Planet Gear

Replacing: 7001337091; -7; 9001337091; -7; -8
Servicing: 0001218166; -73; -766
L. 135.55, **Splines** 11



230158 Planet Gear

Replacing: 1006200027
Servicing: 0001109011; -2; -10033; B001117229
L. 136.65, **Splines** 10



230167 Planet Gear

Replacing: 1006200047; 1106200047
Servicing: 0001108115; -45; B001111362
L. 138.35, **Splines** 10



230551 Planet Gear

Replacing: 1006200082
Servicing: 1108153
L. 134.00, **Splines** 10



230698 Planet Gear

Replacing: 1006200138
Servicing: 1108171
L. 114.90, **Splines** 10



230830 Planet Gear

Replacing: 1006200126
Servicing: 0001125055; -6; -501; -502; -503; -504; -507; -508; -511; -512; -513; -514; -517; -518; -602
L. 110.55, **Splines** 16
Gear wheel: Cargo 134066.



230831 Planet Gear

Replacing: 1006200143
Servicing: 0001124015; -5025; F002G20658
L. 118.50, **Splines** 16



230832 Planet Gear

Replacing: 1006200036
Servicing: 0001108094; -5; -127; B001111169
L. 129.30, **Splines** 10



230833 Planet Gear

Replacing: 1006200155
Servicing: 0001108180; -2; -6
L. 125.25, **Splines** 10



230912 Planet Gear

Replacing: 1006200161; -206
Servicing: 0001106012; -7; -22; -23; -24
L. 118.00, **Splines** 11, **Rotation** CR



230913 Planet Gear

Replacing: 9001337074; 2215
Servicing: 0001218119; -9010; B001233201; -5019
L. 128.60, **Splines** 10



231083 Planet Gear

Replacing: 9001336244; 6033ad3310
Servicing: 0001230001; -3; -4; -5; -6; -7; -8; -9; -10; -12; -13; -14; -18; -23; -24; -27; -1001; -1002; -1003
L. 180.25, **Splines** 10



231202 Planet Gear

Replacing: 1006200137
Servicing: 0001121006; -7; -8; -9; -10; -11; -16; -17; -18; -19; -24; -25; -26; -27; -28; -29; F002G20318
L. 114.15, **Splines** 16, **Rotation** ACR



231900 Planet Gear

Replacing: 1006200105
Servicing: 0001115001; -2; -7; -12; -15; -24
L. 125.60, **Splines** 10



233580 Planet Gear

Replacing: 1006200141; 233627
Servicing: 0001107062; -83
L. 119.20, **Splines** 10



233907 Planet Gear

Replacing: 1006200074
Servicing: 0001107033; -61
L. 132.55, **Splines** 10



233934 Planet Gear

Replacing: 9001337061; 1843
Servicing: 0001219002; -3; -5; -6; B001235005; -11
L. 143.30, **Splines** 10



234085 Planet Gear

Replacing: 1006200136; 231856; 2212
Servicing: 0001109034; -63
L. 121.30, **Splines** 10



234142 Planet Gear

Replacing: 1006200185
Servicing: 0001124020; -1
L. 125.20, **Splines** 16



234156 Planet Gear

Replacing: 1006200150; -214
Servicing: 0001109021; -2; -66; -67; -258; -259; -260; -261
L. 134.35, **Splines** 10



234238 Gear

Replacing: 1006200149
Servicing: 0001107048; -72; -96
L. 121.40, **Splines** 10



234239 Gear

Replacing: 1006200120
Servicing: 0001108167; -15008; -15016; -15017; -15020; -15021; -15025; -15031; -15032; -15039; -15040; -15041;
L. 120.10, **Splines** 10

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



234240 Gear

Replacing: 1006200142
Servicing: 0001108197; -15005; -15006; -15009
L. 139.90, **Splines** 16



234245 Planet Gear

Replacing: 6033ad0215
Servicing: 0001223005; -6
L. 136.20, **Splines** 16



234323 Planet Gear w/ Drive

L. 172.00
9 teeth.



234368 Planet Gear

Replacing: 1006200108
Servicing: 0001121001; -2; -30; -31; -32; -33; -34; -35
L. 112.90, **Splines** 16



234375 Planet Gear

Replacing: 6033ad0063
Servicing: 0001223002; -3; -7; -16; -21; -24
L. 142.00, **Splines** 16



234396 Planet Gear

Replacing: 6033ad0053
Servicing: 0001223001; -8; -9; -10; -13; -14; -22
L. 137.25, **Splines** 16



234502 Planet Gear

Replacing: 1006200044
Servicing: 0001109003; -8; B001116006; -15
L. 152.75, **Splines** 10



234503 Planet Gear

Replacing: 1006200166
Servicing: 0001125016; -7; -8; -9; -46; -47; -48; -49; -605; -606
L. 140.00, **Splines** 16, **Rotation** ACR



235025 Planet Gear

Replacing: 1006200304; -3; -6; -7; -9; 236862
Servicing: 0001107401; -3; -4; -5; -6; -7; -8; -10; -11; -17; -18; -21; -22; -27; -28; -30; -46; -47; -90; -91
L. 109.70, **Splines** 16, **Rotation** CR

Pkg 5



235105 Outer Gear

Replacing: 235105; 3495; 10008
Servicing: 1006200138; -62
O.D. 69.50, **I.D.** 46.50, **H.** 34.65,
No. of teeth 37



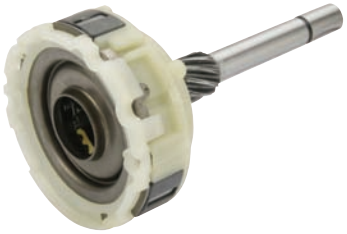
235399 Planet Gear

Replacing: 1006200302; -1; -10
Servicing: 0001107401; -2; -3; -6; -7; -8; -9; -10; -17; -18; -21; -22; -27; -28; -46; -47; -99; -500; -501; -
L. 79.40, **Splines** 16



235579 Planet Gear

Replacing: 1006200178
Servicing: 0001109045; -201; -250; -10132; F000AL0115; F002G20795



235704 Planet Gear

Replacing: 1006200039; -90; -152; -163; -909

Servicing: 0001109040; -10029; -10030; -10039; -10041; -10048; -10049; -10053; -10063; -10068; -10071; -10072;

L. 139.92, **Splines** 10, **Rotation** CR

Gear Parts

Pkg 5



133470 Gear Ring

Replacing: 133470; 3455; 5934d

Assort. 803009

Pkg 25



133471 Gear Ring

Replacing: 133471; 3456; 5903d

Servicing: 1110026

Assort. 803009

Pkg 5



135971 Gear Ring

Replacing: 135971; 3470; 6919d

O.D. 69.10, **I.D.** 50.25, **Th.** 11.40

Pkg 5



231382 Gear Ring

Servicing: 0001121006; -7

O.D. 69.80, **I.D.** 50.30

Pkg 10



231833 Gear Ring

Servicing: 1006200101

O.D. 74.30, **I.D.** 57.80, **Th.** 12.80, **Material** Plastic

Pkg 10



235073 Fiber Washer

Servicing: 0001218162; -5; -6; -72; -23001; -23002; -23003; -23005; -23007; -23013; -23014

O.D. 27.00, **I.D.** 19.00, **Th.** 0.90, **Material** Fiber

Pkg 10



235074 Fiber Washer

Servicing: 0001218172; -23001; -23002; -23003; -23005; -23007; -23013; -23014

O.D. 33.00, **I.D.** 18.00, **Th.** 0.80, **Material** Fiber

Pkg 10



235299 Washer

Servicing: 0001107070; -1

O.D. 33.80, **I.D.** 18.10, **Th.** 0.80, **Material** Metal

Stationary

Pkg 5



131503 Outer Gear

Replacing: 1005821307; -0; 1659; 5425d; 5004k

Servicing: 0001108050; -94; -95; -99; -127; -130; -133; -138; -203; -210; -11001

O.D. 69.67, **I.D.** 46.75, **H.** 37.90,
No. of teeth 37
Assort. 803008

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



131992 Gear Wheel

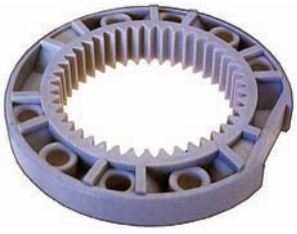
Replacing: 9001140322; 1661
Servicing: 0001218001; -2; -3; -6; -7; -8; -9; -10; -11; -12; -14; -17; -18; -19; -20; -21; -22; 9000331411; -
O.D. 86.00, **I.D.** 52.00, **H.** 14.15,
No. of teeth 42
Assort. 803008

Pkg 5



132123 Outer Gear

Replacing: 1005821303; 1703; 5397d; 5003k
Servicing: 0001109003; -8; -11; -12; -10002; -10004; -10007; -10008; -10009; -10010; -10011; -10012; -10013; -
O.D. 74.00, **I.D.** 52.50, **H.** 40.50,
No. of teeth 42
Assort. 803008



132604 Gear Wheel

Replacing: 9001140322
O.D. 86.00, **I.D.** 52.00, **H.** 14..25,
No. of teeth 42
As Cargo 131992 but in plastic.
Assort. 803008



135077 Outer Gear

Replacing: 9002338850; 3464
Servicing: 0001218002; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -22; -23; -24; -26; -
O.D. 85.90, **I.D.** 52.50, **H.** 30.00,
No. of teeth 42

Pkg 5



135078 Outer Gear

Replacing: 1005821312; 3466; 6766d; 5005k
Servicing: 0001107009; -15; -19; -34; -60; 9000081004; F000AL0103
O.D. 69.20, **I.D.** 46.75, **H.** 28.80,
No. of teeth 37
Bushing W 6.00 mm.

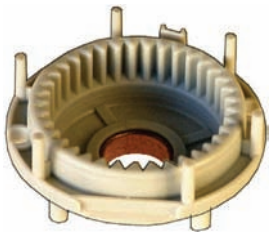
Pkg 5



135079 Outer Gear

Replacing: 1005821313; 3488; 6793d
O.D. 73.30, **I.D.** 53.00, **H.** 33.60,
No. of teeth 42

Pkg 5



137812 Gear Wheel

Replacing: 137812; 3471; 6925d; 5007k
O.D. 69.65, **I.D.** 46.90, **H.** 32.00,
No. of teeth 37
Bushing W 8.50 mm.

Pkg 5



138991 Gear Wheel

Replacing: 138991; 1005821321; 3474; 7128d; 5008k
Servicing: 1006200062; -3; -72
O.D. 69.30, **I.D.** 44.65, **H.** 28.70,
No. of teeth 36



231751 Outer Gear Assy

Replacing: 9003337009; 3494
Servicing: 0001230001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -21; -26; -27; -1001
O.D. 90.00, **I.D.** 61.83, **H.** 40.65,
No. of teeth 42

Pkg 5



233497 Outer Gear

Replacing: 233497; 4206; 10662
Servicing: 1006200136
O.D. 73.45, **I.D.** 48.75, **H.** 32.50,
No. of teeth 38
W: 24.00 mm.

Retainers

Pkg 5



133466 Gear Wheel Cover

Replacing: 1005821308; 3451; 5929d; 5012k
Servicing: 0001108003; -18; -42; -54; -63; -64; -65; -74; -78; -79; -80; -83; -87; -88; -89; -90; -101; -102
O.D. 69.50, **I.D.** 18.00, **H.** 28.20
Assort. 803008

Pkg 5



133467 Gear Wheel Cover

Replacing: 1005821306; 3452; 5893d; 5013k
Servicing: 0001110016; -26; -28; -30; -31; -39; -41; -53; -54; -75

Assort. 803008

Pkg 5



135970 Gear Wheel Cover

Replacing: 135970; 3472; 6917d
O.D. 70.00, **I.D.** 17.90, **H.** 25.20

Pkg 5



139143 Gear Wheel Cover

Replacing: 139143; 3479; 7824d

Gear Covers



133468 Gear Plate

Replacing: 133468; 3453; 5917d
Servicing: 0001108003; -18; -42; -54; -63; -64; -65; -74; -78; -79; -80; -83; -87; -88; -89; -90; -101; -102
O.D. 70.00, **I.D.** 18.50
Assort. 803009

Pkg 5



133469 Gear Plate

Replacing: 133469; 3454; 5896d
Servicing: 0001110016; -28; -30; -31; -39; -41; -53; -54; -75
O.D. 74.00, **I.D.** 25.50
Assort. 803009

Pkg 10



133475 Gear Plate

Replacing: 133475; 3484
Servicing: 1006200006; -18
O.D. 60.00, **I.D.** 18.30, **Th.** 8.90, **Material** Steel
Assort. 803009

Pkg 5



133476 Gear Plate

Replacing: 133476; 3485
Servicing: 1006200015; -21
O.D. 74.00, **I.D.** 25.50
Assort. 803009

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



135082 Gear Plate

Replacing: 135082; 3467; 6288d
O.D. 87.30, **I.D.** 25.95

Pkg 10



135798 Gear Plate

Gear Wheels



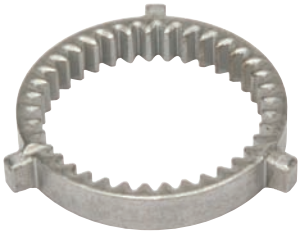
134035 Gear Wheel Kit

Servicing: 1006200006; -21; -902
O.D. 19.30, **I.D.** 9.95, **H.** 10.50,
No. of teeth 13
w/ needle bearing.
Assort. 803009



134066 Gear Wheel Kit

L. 10.10, **Splines** 12, **Rotation** CR/ACR



134516 Gear Wheel

Replacing: 134516; 4204; 10706; 3487; 5915d
Servicing: 1006200017
O.D. 57.70, **I.D.** 46.78, **H.** 9.88,
No. of teeth 37
W: 10.00 mm.
Assort. 803008



134562 Gear Wheel

Replacing: 9003336321; 3461; 6286d
Servicing: 0001218002; -7; -8; -9; -10; -12; -14; -15; -16; -17; -18; -19; -22; -23; -24; -26; -27; -28; -29;
O.D. 63.50, **I.D.** 52.40, **H.** 13.00,
No. of teeth 42
W: 13.00 mm.
Assort. 803008



134875 Gear Wheel Kit

O.D. 18.20, **I.D.** 5.10, **H.** 12.00,
No. of teeth 12



135080 Gear Wheel

Replacing: 135080; 3486; 5894d
O.D. 61.90, **I.D.** 52.23, **H.** 13.15,
No. of teeth 42
W: 13.50 mm.



138989 Gear Wheel

Replacing: 138989; 3489; 8931d
O.D. 62.15, **I.D.** 48.70, **H.** 13.47,
No. of teeth 38
W: 13.50 mm.



139278 Gear Wheel

Replacing: 139278; 3475; 7125d; 3478
Servicing: 1006200087; -145
O.D. 57.70, **I.D.** 44.48, **H.** 9.80,
No. of teeth 36
W: 10.00 mm.



139572 Gear Wheel Kit

O.D. 18.00, **I.D.** 5.00, **H.** 9.50, **No. of teeth** 12

Pkg 3



234919 Gear Wheel

Replacing: 234919; 3496; 10045
Servicing: 1006200101
O.D. 62.30, **I.D.** 46.40, **H.** 13.25,
No. of teeth 37
W: 13.30 mm.

Pkg 5



234925 Gear Wheel

Replacing: 234925; 9981d
O.D. 75.57, **I.D.** 62.10, **H.** 16.50,
No. of teeth 41
W: 16.5 mm.

Pkg 10



235173 Gear Wheel Inside

Replacing: 235173; 3499; 9788d
Servicing: 0001107072; -21008; -21009; -21010; -21011; -21016; -21017; -21026; -21027
O.D. 58.00, **I.D.** 48.35, **H.** 10.00,
No. of teeth 40
W: 10.00 mm.

Gear Plates



234537 Gear Plate

Replacing: 234537; 8948d
Servicing: 1006200099; -117; -118; -126; -166; -178
O.D. 71.80, **I.D.** 22.65

Pkg 10



235136 Gear Plate

Replacing: 235136; 4201
Servicing: 0001106012; -4; -6; -7; -22; -23; -24; -7011; -7019; -7039; -7043; -7047; -7056; -7063; -7066; -708
O.D. 70.00, **I.D.** 18.50

Pkg 5



235164 Gear Plate

Replacing: 235164; 3493; 9983d
Servicing: 9001336244
O.D. 90.60, **I.D.** 27.30

Rubbers

Pkg 3



133478 Rubber

Replacing: 133478; 5895d
Servicing: 1006200019; -902; -904
O.D. 20.35
Assort. 803009

Pkg 10



135056 Rubber

Replacing: 135056; 3460; 6287d
O.D. 14.25, **L.** 24.45

Pkg 10



139173 Rubber

Pkg 10



232853 Rubber

Replacing: 232853; 3481; 9982d
Servicing: 1231003
O.D. 18.60, **L.** 29.85

Pkg 10



234887 Rubber

Replacing: 133477; 234887; 3457; 5916d; 3458
Servicing: 1006200017; -209; -903

Assort. 803009

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Rivets

Pkg 10



134067 Rivet
Servicing: 1006200005; -18; -903
O.D. 6.00, **L.** 18.45
Assort. 803009

Pkg 10



134068 Rivet
Servicing: 1006200006; -21; -902
O.D. 6.00, **L.** 21.45
Assort. 803009

Pkg 10



134069 Rivet
Servicing: 1006200015; -904
O.D. 5.00, **L.** 21.65

Pkg 10



135866 Rivet
Servicing: 1006200037
O.D. 6.00, **L.** 16.85

Pkg 10



139671 Rivet
Servicing: 0001109001; -2; -25001
O.D. 5.00, **L.** 18.00

Repair Kits



134160 Repair Kit
Assort. 803008

Levers



131138 Lever
Replacing: 2001933104; -74; -75; 9983635
Servicing: 0001358048; -9; -50; -51; -201; -202; -9043; -9055; -9071; -9072; -9073; -9074; -9075; -9076; -9078
L. 104.70, **Lever** 1

Pkg 5



132808 Solenoid Shift Lever
Replacing: 1001933106; -8; -10; -11; -15; 84ab11067ab
Servicing: 0001106001; -2; -4; -11; -12; -14; -15; -16; -17; -18; -19; -20; -22; -23; -24; -7003; -7004; -7005
L. 86.50



135327 Lever
Replacing: 1001933103
Servicing: 0001312108; -9; B001335003
L. 96.15, **Lever** 1



135777 Lever
Replacing: 1001933101; 82gb11037ab
Servicing: 0001208501; -8; -13; -14; -16; -19; -20; -21; -24; -702; -705; -708; -709; -710; -711; -712; -11500
L. 92.70, **Lever** 1



136242 Lever
Replacing: 1001933072
Servicing: 0001311100; -7; -10; -11; -18; -21; -22; -25; -28; -29; -31; -32; -33; -34; -35; -36; -37; -40; -41
L. 94.60, **Lever** 1



136298 Lever

Replacing: 1001933100; -4
Servicing: 0001317007; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21; -22; -23; -24; -25;
L. 98.00, **Lever** 1



136693 Lever

Replacing: 2001933005
Servicing: 0001420001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -24; -25; -26; -27; -28;
L. 121.70, **Lever** 1



137617 Lever

Replacing: 2001933148; -9
Servicing: 0001359008; -14; -16; -20; -23; -25; -27; -30; -32; -41; -45; -51; -53; -57; -61; -62; -63; -65; -6
L. 101.20, **Lever** 1



137880 Lever

Replacing: 1001933094; -5; 443916017221
Servicing: 0001157024; -5; -6; -8; -9; -30; 9000141116; 9000334102; -3; -4
Lever 1



139059 Lever

Replacing: 1001933076
Servicing: 0001211201; -23; -24; -31; -32; 9000082013; -21; -28; -29; -33; -38; -40; -42; -43; -44; -45; -46;
L. 88.00, **Lever** 1



139060 Lever

Replacing: 2001933056
Servicing: 0001204102; -3; -8044; -8049; -8051; -8052; -8053; -8054; -8055; -8100; -8101; -8200; -8201; -8202;
L. 88.25, **Lever** 1



139556 Lever

Replacing: 2001933145
Servicing: 0001358017; -8; -20; -26; -35; -38; -40; -47
Lever 1



139591 Lever

Replacing: 1001933069
Servicing: 0001212001; -2; -3; -5; -6; -7; -8; -12; -13; -200; -3003; -3004; -5001; -5002; -5003; 0001312100;
L. 89.25, **Lever** 1



139700 Lever

Replacing: 9003331931; 6033ac4002
Servicing: 0001223500; -1; -2; -3; -4; -5; -6; -7; -30001; -30002; -30003; -30004; -30005; -30006; -30007; -30
L. 99.50, **Lever** 1



139807 Lever

Replacing: 1001933084
Servicing: 0001212204; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -400; -401; -402; -403; 0001312102; -11; B
L. 89.40, **Lever** 1



139811 Lever

Replacing: 2001933021
Servicing: 0001370003; -4; -1004; -1005; -1006; -1007; -1008; -1009; -1010; -1012; -1013; -1014; -1015; -1016;
L. 109.50, **Lever** 1



232015 Lever

Replacing: 2001933134; -5; -6
Servicing: 0001359001; -2; -3; -10; -12; -13; -18; -19; -24; -26; -27; -31; -33; -34; -35; -37; -38; -44; -46;
L. 102.75, **Lever** 1

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



233570 Lever

Replacing: 1001933126
Servicing: 0001106403; -4; -5; -6; -7; -9; -10; -7401; -7402; -7403; -7404; -7405; -7406; -7407; -7408; -7409;
L. 81.80, **Lever** 1



233589 Lever

Replacing: 1001933074; 9001331920
Servicing: 0001157012; -3; -5; -6; -7; -21; -22; -23; 9000141100; -1; -3; -4; -7; -8; -11; -12; -13; -14; -15;
L. 81.50, **Lever** 1



234052 Lever

Replacing: 1001933113
Servicing: 0001116001; F002G20149; -544
L. 90.00, **Lever** 1

Pkg 5



234890 Lever

Servicing: Lever W/ support
Lever 5

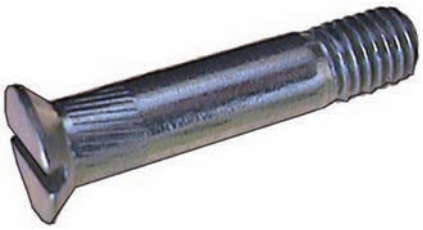


235742 Brush Gear

Replacing: 1007010124; -35
Servicing: 0001124011; -2; -3; -4
Brush gear 1

Lever Parts

Pkg 5



132226 Pivot Pin

Replacing: 2003421012; 2003429000; -25; -63; -66
Servicing: 0001358048; -9072; -9075; -9084; -9090; -9094; -9095; -9100; -9105; -9111; -9118; -9119; -9121; -91
Collar L. 36.00, **L.** 40.25, **Thread** M8

Pkg 10



135783 Bolt

Replacing: 2003410016; -8
Servicing: 0001357002; -3; -8040; -9002; -9003; -9010; -9027; -9031; -9033; -9035; -9040; -9054; -9056; -9060;
Collar L. 44.00, **L.** 50.30, **Thread** M8

Pkg 5



136283 Lever Support

L. 33.00

Pkg 5



137791 Lever Support

L. 29.00

Pkg 5



138221 Lever Support

Replacing: 1001328046
Servicing: 0001112003; -8; -15; -20; -33; -35; -37; -38; -44; -5006; f000al0015; -115
L. 23.90

Pkg 5



138597 Lever Support

L. 31.00

Pkg 5



138598 Lever Support

L. 27.80

Pkg 5



139814 Pivot Pin

Replacing: 2003429064; -5; -9; -71; 234042
Servicing: 0001370003; -4; -1004; -1005; -1006; -1007; -1008; -1009; -1010; -1012; -1013; -1014; -1015; -1016;
Collar L. 60.00, **L.** 58.35, **Thread** M8

Pkg 5



230609 Pivot Pin

Replacing: 1003410005
Servicing: 0001157005; -8; -11; 0001208036; -7; -46; -47; -416; -417; -418; -419; -11209; -11210; -11257; -112
Collar L. 32.60, **L.** 36.60, **Thread** M6

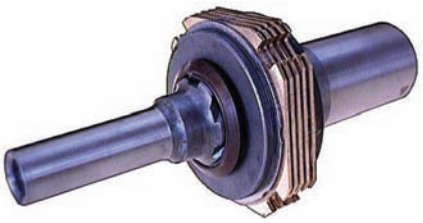
Pkg 10



233527 Lever Spacer

Servicing: 0001371008; -2001
O.D. 10.50, **I.D.** 3.10, **Th.** 14.20. 28.80
Lever: Cargo 139811.

Clutches



130317 Clutch

Replacing: 2003162001; -5; -6; -16; 2006401527; 06190; 3539
Servicing: 0001410015; -6; -7; -8; -9; -21; -22; -23; -24; -25; -26; -29; -32; -33; -34; -35; -36; -37; -38; -



130327 Clutch

Replacing: 2006401516; -8; 05655
Servicing: 0001400016; -1011; -1012; -1019; -1023; -1026; -1027; -1028; -1041; -1044; -1046; -1047; -1049; -10

New type.



130328 Clutch

Replacing: 2006401903; -4; -8; 2009999032; 5586-123; 02189; 9011087; 9924342; 72294601; 74350265
Servicing: 0001401044; -6; -9; -50; -67; -69; -71; -73; -2008; -2018; -2050; -2054; -2065; -2081; 63211627; -6



130329 Clutch

Replacing: 2006401900; 2009999036; 02982; 74350261; 15475-1
Servicing: 0001501001; -3; -5; -14; -15; -19; -20; -35; -39; -42; 63211627; -65; -69; -77; BPD6/24AR163; -80;



135375 Clutch

Replacing: 2000780133
Servicing: 0001510001; -2; -3; -4; -5; -8; -9; -10; -11; -12; -13; -14; -17; -18; -19; -20; -21; -23; -25; -26
O.D. 75,75, **L.** 176,5
Clutch set: Cargo 235672.



235672 Clutch

Replacing: 2007010044
Servicing: 0001510000; -1; -2; -3; -5; -8; -9; -10; -17; -18; -19; -20; -21; -22; -23; -24; -25; -26; -27; -28

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Parts

Pkg 10



131445 Washer

Replacing: 2000105040; 06713

Servicing: 0001410016; -7; -8; -9; -21; -22; -23; -24; -25; -26; -29; -33; -35; -36; -37; -38; -41; -44; -45;

O.D. 58.60, **I.D.** 41.00, **Th.** 0.70, **Material** Copper
Assort. 803011



231369 Clutch Housing

Servicing: 2004005023; -4; -6; -151; -153

Brush Gears

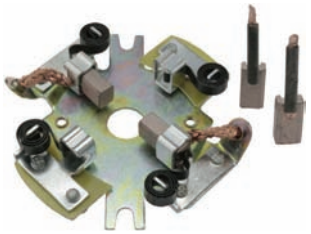


130684 Brush Gear

Replacing: 1001329900; 1004336028; -34; -49

Servicing: 0001208200; -1; -2; -3; -4; -5; -6; -8; -9; -11; -13; -16; -17; -18; -19; -20; -21; -22; -23; -24;

Brush With, **Brush gear** 1,
Spring terminal w/o
w/ neg. brushes. Brush set: Cargo BSX984.



130685 Brush Gear

Replacing: 1004336025; -9; -55; 130687

Servicing: 0001208411; -2; -4; -5; -6; -7; -8; -9; -25; -26; -27; -28; -29; -11209; -11210; -11214; -11216; -1

Brush With, **Brush gear** 1,
Spring terminal With

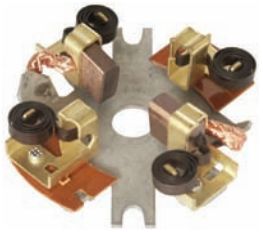


130686 Brush Gear

Replacing: 1004336027

Servicing: 0001207001; -3; -5; -9; -15; -16; -17; -18; -19; -20; AL/EEF0.5/6L1

Brush With, **Brush gear** 1,
Spring terminal With



130688 Brush Box

Replacing: 1004336033; -57; 1007010027

Servicing: 0001311056; -100; -107; -110; -111; -115; -118; -119; -121; -122; -125; -128; -129; -130; -131; -13

Brush With, **Spring terminal** With
W/ neg. springs and brushes. Brush set: Cargo BSX1064.

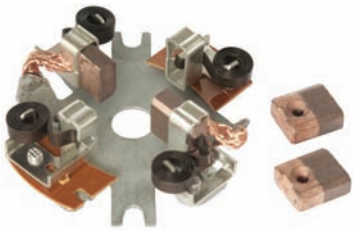


130689 Brush Box

Replacing: 1004336013; -40

Servicing: 0001311032; -2104; -2105; -2106; -2107; -4012; -4013; -4014; -4015; B001315072

Brush With, **Spring terminal** With



130691 Brush Gear

Replacing: 1004336016; -39; -43; -46

Servicing: 0001312103; -3006; -4002; -4005; -4018; -4025; -4026; -4027; -4028; -4029; -4032; -4034; -4036; -40

Brush With, **Brush gear** 1,
Spring terminal With



131184 Brush Box

Replacing: 2004336027; 11850; 79026095; 2001329907

Servicing: 0001362034; -5; -6; -7; -8; -9; -40; -41; -42; -43; -45; -46; -47; -48; -49; -50; -51; -52; -53; -5

Brush With, **Spring terminal** With
w/ neg. Brushes. Brush set: BSX974.

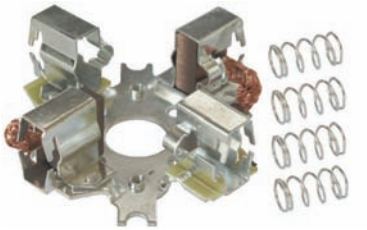


131185 Brush Box

Replacing: 2004336031; -40; 11586

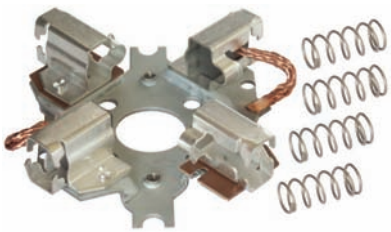
Servicing: 0001368001; -2; -4; -5; -6; -7; -9; -10; -12; -13; -14; -16; -17; -18; -19; -20; -21; -22; -24; -26

Brush With, **Spring terminal** With
w/ neg. brushes. Brush set: Cargo BSX135-1454.



132303 Brush Holder

Replacing: 2004336028; -67; 9917925; 9959566; 79033957; 2004336044
Servicing: 0001367001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20;
Brush With, **Spring terminal** With
w/ neg. brushes. Brush set: Cargo BSX134-1444.



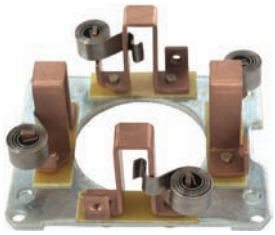
132304 Brush Gear

Replacing: 2004336026; 79044568
Servicing: 0001363103; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -16; -17; -20; -22; -23; -25; -26; -28; -30
Brush w/o, **Brush gear** 1, **Spring terminal** With
w/ neg. Brushes. Brush set: Cargo BSX1164.



132306 Brush Gear

Replacing: 2004336041
Servicing: 0001362034; -5; -6; -8; -9; -41; -46; -50; -51; -52; -58; -59; -72; -73; -76; -90; -91; -92; -95; -
Brush With, **Brush gear** 1,
Spring terminal With
w/ neg. brushes. Brush set: Cargo BSX137-1434.



133558 Brush Gear

Replacing: 2004336051
Servicing: 0001420001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -24; -25; -26; -27; -28;
Brush w/o, **Brush gear** 1, **Spring terminal** With
Brush set: Cargo BSX1474.



134025 Brush Gear

Replacing: 2001329901; 2004336010; -21
Servicing: 0001362001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20;
Brush With, **Brush gear** 1,
Spring terminal With
w/ neg. brushes. Brush set: Cargo BSX1024.



134092 C.E. Bracket

Replacing: 2005854053; -84; -136
Servicing: 0001358201; -2; -9001; -9002; -9003; -9008; -9010; -9012; -9013; -9014; -9016; -9018; -9019; -9020;
V. 12, **Brush** With, **Spring terminal** With



134093 Brush Gear

Replacing: 2005854041; -6; -52; -81; -901
Servicing: 0001359012; -62; -65; -100; -60002; -60004; -60005; -60007; -60008; -60010; -60012; -60013; -60015;
V. 24, **Brush** With, **Brush gear** 1,
Spring terminal With



134103 Brush Gear

Replacing: 1004336100; -1; -7; -8; -900
Servicing: 0001312108; -9; -7007; -7008; -7009; -7010; -7011; -7012; -7013; -7014; -7015; -7016; -7017; -7018;
Brush With, **Brush gear** 1,
Spring terminal With



134104 Brush Gear

Replacing: 1004336102; -901
Servicing: 0001208702; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -17; -18; -19; 9000333106; -14; -17;
Brush With, **Brush gear** 1,
Spring terminal With

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



134658 Brush Gear

Replacing: 1004336125; -30; -32; -46; -62; -403; -733; -762; -806; -837; -850; -859; -902; -903; -907; -913; -9

Servicing: 0001108001; -2; -4; -7; -9; -10; -11; -12; -13; -16; -17; -18; -19; -20; -23; -24; -25; -26; -27; -

Brush With, **Brush gear** 1,
Spring terminal With
Assort. 803010



134659 Brush Gear

Replacing: 1004336139; -55; -56; -402; -446; -455; -459; -466; -550; -620; -732; -751; -800; -847; -884; -906;

Servicing: 0001109011; -10001; -10002; -10009; -10010; -10014; -10015; -10018; -10031; -10032; -10033; -10047;

Brush With, **Brush gear** 1,
Spring terminal With
Assort. 803010



134660 Brush Gear

Replacing: 1004336807; -301; -401; -404; -405; -407; -413; -458; -460; -731; -734; -742; -764; -19; -45; -909;

Servicing: 0001109009; -15; -21; -22; -34; -42; -46; -52; -55; -61; -62; -252; -256; -10004; -10005; -10007; -

Brush With, **Brush gear** 1,
Spring terminal With
Assort. 803010



134661 Brush Gear

Replacing: 9003334314

Servicing: 0001218003; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -18; -19; -20; -21; -22; -23

Brush With, **Brush gear** 1,
Spring terminal With
Assort. 803010



134868 Brush Gear

Replacing: 1004336915; -6; -63; f000al1055

Servicing: 0001112005; -6; -7; -8; -9; -12; -13; -14; -15; -16; -20; -21; -22; -23; -24; -27; -28; -29; -33; -

Brush With, **Brush gear** 1,
Spring terminal With



134901 Brush Gear

Replacing: 2005854087

Servicing: 0001364100; -1; -2; -3; -4; -5; -8; -200; -203; -206; B001819002; -10; -14; -18; -42; -64; -110; -2

Brush w/o, **Brush gear** 1, **Spring terminal** w/o

Brush set: Cargo bsx1004. Brush spring: Cargo 132224.



135015 Brush Gear

Replacing: 1004336810; -746; -21; -31; -937; -951; 138905; 1004336417

Servicing: 0001106014; -6; -7003; -7004; -7005; -7006; -7007; -7008; -7009; -7011; -7015; -7020; -7021; -7022;

Brush With, **Brush gear** 1,
Spring terminal With



135235 Brush Gear

Replacing: 1004336811; -362; -426; -772; -911; -923

Servicing: 0001108021; -50; -59; -60; -96; -97; -99; -121; -127; -147; -168; B001111069; -98; -155; -273

Brush With, **Brush gear** 1,
Spring terminal With
Anti CW rotation.



136418 Brush Gear

Replacing: 1004336753; -938; f000al1483; 1004336433

Servicing: 0001107010; -3; -5; -38; -44; -8200; -8201; -12032; B001110042; -3; -52; -81; -93; -114

Brush With, **Brush gear** 1,
Spring terminal With



136557 Brush Gear

Replacing: 1004336801; -415; -432; -744; -9; -13; -14; -20; -27; -42; -957; -964; -970; -975; 138906; 100433642

Servicing: 0001106011; -4; -5; -6; -7009; -7012; -7014; -7015; -7016; -7017; -7018; -7019; -7024; -7025; -7026

Brush With, **Brush gear** 1,
Spring terminal With

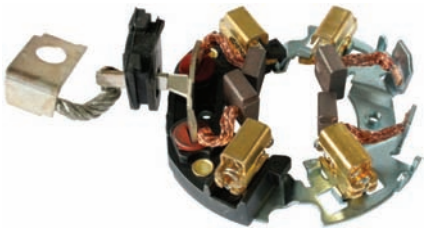


137137 Brush Gear

Replacing: 2004336064

Servicing: 0001368083; B001816570

Brush With, **Brush gear** 1,
Spring terminal With
Brush springs: Cargo 132223. Brush set: Cargo bsx135-1454.



137268 Brush Gear

Replacing: 1004336939; f000al2035

Servicing: 0001112017; B001180054

Brush With, **Brush gear** 1,
Spring terminal With



137312 Brush Gear

Replacing: 2005854088

Servicing: 0001365004; -5; -6; -7; -8; B001819001; -9; -15; -117

Brush w/o, **Brush gear** 1, **Spring terminal** w/o
Brush set: Cargo bsx964. Brush spring: Cargo 132224.



137618 Brush Gear

Replacing: 1004336985; -391; -716

Servicing: 0001106018; -9; -7037; -7048; -7056; -7072; -7096; -7100; -7101

Brush With, **Brush gear** 1,
Spring terminal With



137703 Brush Gear

Replacing: 1004336835; -233; -456; -463; -02; -908; -946; -948

Servicing: 0001110003; -26; -80; -89; -95; -5001; B001117005; -204; -301

V. 12, **Brush** With, **Brush gear** 1,
Spring terminal With



138201 Brush Gear

Replacing: 1004336940; -69; 138902; f000al2034

Servicing: 0001112018; -34; -38; -39; -3011; -3012; B001180041; -55

V. 12, **Brush** With, **Brush gear** 1,
Spring terminal With



138319 Brush Gear

Replacing: 2004336066

Servicing: 0001364300; -1; -400; -402; B001841010; -2

Brush w/o, **Brush gear** 1, **Spring terminal** w/o
Brush set: Cargo BSX170-1714. Brush spring: Cargo 132223.



138320 Brush Gear

Replacing: 1004336036

Servicing: 0001311047; -50; -51; -52; -53; -54; -55; -101; -102; -103; -105; -106; -108; -109; -113; -116; -11

Brush With, **Brush gear** 1,
Spring terminal With
w/ springs og neg. brushes. Brushset: Cargo BSX1064.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



138326 Brush Gear

Replacing: 1004336832; -337; -436; -922; -944; -971; -973; -986; 138903; 1004336823

Servicing: 0001108052; -123; -143; -148; -154; -170; -172; -181; -199; B001111171; -412

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With



138424 Brush Gear

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Brush set: Cargo BS151. Anti CW rotation.



138899 Brush Gear

Replacing: 1004336846; -17; -4; -917; -928; F000AL1919

Servicing: 0001112003; -4; -10; -11; -38; -39; -3011; -3012; -4005; -4006; -4009; -4010; -33003; -33004; 90006

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Brush pos.: Cargo BS175. Brush neg.: Cargo BS176.



138900 Brush Gear

Replacing: 1004336829; -430; -778; -36; -996

Servicing: 0001109014; -8; -25; -28; -30; -33; -36; -40; -43; -45; -48; -57; -58

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Brush pos.: Cargo BS157. Brush neg.: Cargo BS158.



138901 Brush Gear

Replacing: 1004336830; -416; -745

Servicing: 0001106022; -3; -4; -7070; -7071

Brush With, **Brush gear** 1, **Spring terminal** With

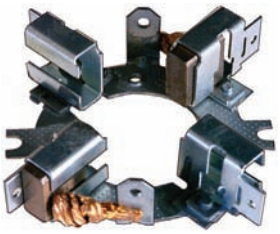


138904 Brush Gear

Replacing: 1004336993; f000al1918; 139145

Servicing: 0001112020; -33; -35; -37; -41; -3009; -3010; -3015

Brush With, **Brush gear** 1, **Spring terminal** With



139022 Brush Gear

Replacing: 9001083362; -92; -569

Servicing: 9000083027; -8; -53; -54; -55; -56; -57; -58; -59; -60; -61; -62; -67; -69; -71; -72; -74; -75; -77

Brush With, **Brush gear** 1, **Spring terminal** w/o

w/ neg. brushes. Brush set: Cargo 141008.



139144 Brush Gear

Replacing: 1004336816; -300

Servicing: 0001108157; -69; -71; -78; -84; -88; -90; -96

Brush With, **Brush gear** 1, **Spring terminal** With



139146 Brush Gear

Replacing: 1004336988; -257

Servicing: 1109011

Brush With, **Brush gear** 1, **Spring terminal** With



139298 Brush Gear

Replacing: 2005854075

Servicing: 0001358017; -8; -26; -35; -38; -40; -47; -48; -49; -50; -51; B001804003

Brush gear 1



139428 Brush Gear

Replacing: 1004336860; -408; -737; -990
Servicing: 0001110126; -7; -8; -9; -24020; -24021; -25001; -25002; -25007; -25008; -25009; -25010; -25012; -25
V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With



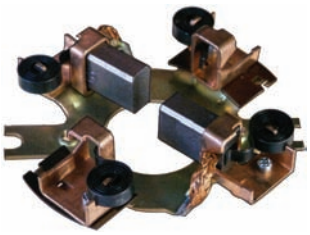
139505 Brush Gear

Replacing: 1004336009
Servicing: 0001208004; -6; -7; -17; -18; -29; -36; -37; -59; -249; -250; -255; -12003; -14002; -15001; -15003;
Brush With, **Brush gear** 1, **Spring terminal** With
w/ neg. Brushes. Brush set: Cargo BSX1244.



139550 Brush Gear

Replacing: 1004336822; -38; f000al2050; -1
Servicing: 0001116001; -3
Brush With, **Brush gear** 1, **Spring terminal** With



139589 Brush Gear

Replacing: 2004336023
Servicing: 1363101
Brush With, **Brush gear** 1, **Spring terminal** With
Brush set: Cargo bsx934.



139638 Brush Gear

Replacing: 1004336804; -400; -730; -48; -956
Servicing: 0001109001; -2; -3; -6; -7; -8; -9; -17; -26; -35; -49; -10071; -10072; -10100; -10101; -10112; B00
Brush With, **Brush gear** 1, **Spring terminal** With



139698 Brush Gear

Replacing: 6033ad0130; -380; 6033ad4026; 9003334363; 6033AD4180; 6033AD0471; 6033AD4161; 6033ad0156
Servicing: 0001231002; -3; -4; -5; -6; -7; -9; -10; -11; -12; -16
Brush With, **Brush gear** 1, **Spring terminal** With



139885 Brush Gear

Replacing: 2004335004; 2004336004
Servicing: 0001402043; -54; -55; -59; -75; -81; AL63/30P11; BNG4/24CRS165SR
Brush w/o, **Brush gear** 1, **Spring terminal** w/o
Brush set: Cargo BSX344. Brush springs: Cargo 134442.



230182 Brush Gear

Replacing: 1004336824; -414; -598; -743; -73
Servicing: 0001115005; -6; -8; -9; -12; -16; -17; -24; -49; -50; -51; -52; -70; -71; -72; -73
Brush With, **Brush gear** 1, **Spring terminal** With



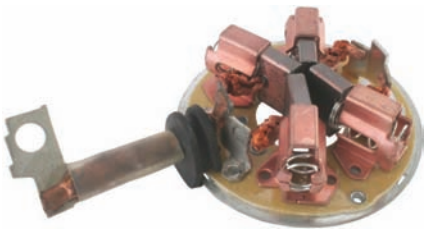
230843 Brush Gear

Replacing: 2004336078
Servicing: 0001371004; -6; -8; -10; -13; -15; -16; -18; -19; -20
Brush With, **Brush gear** 1, **Spring terminal** With



231084 Brush Gear

Replacing: 2004336085; -7
Servicing: 0001372001; -4; -6
V. 24, **Brush** With, **Brush gear** 1, **Spring terminal** w/o
w/ springs and neg. Brush set: Cargo BSX170-1714.



231648 Brush Gear

Replacing: 6033ad0014; -159; -368; -401
Servicing: 0001223001; -3; -10
V. 12, **Brush gear** 1, **Spring terminal** With

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



232183 Brush Gear

Replacing: 1004336833; -392; -444; -717; -989

Servicing: 0001107047; -77; -98

Brush With, **Brush gear** 1,
Spring terminal With



232700 Brush Gear

Replacing: 1004336866; -526; -542; -702; -703; -718; 234126; 1104336702

Servicing: 0001107401; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -15; -17; -18; -23; -24; -25; -26; -29; -30;

Brush With, **Brush gear** 1,
Spring terminal With



233565 Brush Gear

Replacing: 1004336853; -368

Servicing: 0001106012; -7; -22; -23

Brush With, **Brush gear** 1,
Spring terminal With



234118 Brush Gear

Replacing: 2004336077

Servicing: 0001371005; -7; -9; -12; -14; -17

Brush With, **Brush gear** 1,
Spring terminal With



234475 Brush Gear

Replacing: 1004336980; -138; -411; -434; -740

Servicing: 0001107031; -2; -8004; -8019; -8020; -8025; -8026; -8027; -8053; -8063; -8064; -8070; -8075; -8080;

Brush With, **Brush gear** 1,
Spring terminal With

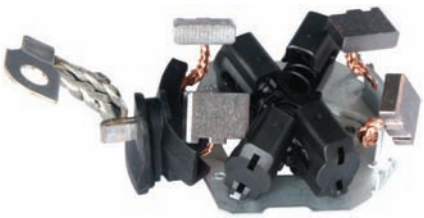


234788 Brush Gear

Replacing: 2004336086

Servicing: 0001372002; -3; -5; -6; -7; -8

Brush With, **Brush gear** 1,
Spring terminal w/o
w/ springs ang neg. brush. Brush set: Cargo BSX170-1714. Brush spring: Cargo 231709.



234896 Brush Gear

Replacing: 1004336878; -549; -750

Servicing: 0001125007; -8; -31; -32; -42; -43; -46; -47; -51; -52

V. 12, **Brush** With, **Brush gear** 1,
Spring terminal With



234947 Brush Gear

Replacing: 6033ad0166

Servicing: 0001230002; -3; -4; -5; -6; -7; -8; -9; -11; -18; -20

V. 12, **Brush** With, **Brush gear** 1,
Spring terminal With



235281 Brush Gear

Replacing: 1004336861; F000AL1921

Servicing: 0001116006; -8; -9

V. 12, **Brush** With, **Brush gear** 1,
Spring terminal With



235459 Brush Gear

Replacing: 1004336708; -531; -886

Servicing: 0001108401; F002G20670; F004A94004

Brush With, **Brush gear** 1,
Spring terminal With

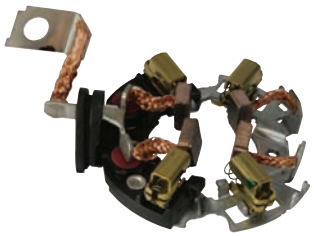


235531 Brush Gear

Replacing: 1004336879; -506; -96

Servicing: 0001106403; -4; -7; -9; -10; -20400; -20401; -20402; -20403; -20404; -20405; -20406; -20407; -20408

Brush gear 1



235724 Brush Gear

Replacing: 1004336952; -3; -67; f000al1326; -483

Servicing: 0001112008; -15; -19; -32; -35; -3006; -4020; -4021; -4022; B001180044; -1046; -1047

V. 12, **Brush** With, **Brush gear** 1,
Spring terminal With



235741 Brush Gear

Replacing: 1004336574; -784
Servicing: 0001109264; -300; -301
V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Brush gears parts

Pkg 25



133967 Insulator

Insulator 25

Pkg 10



134156 Plate for Brush Holder

Threadhole I.D. 4.15
Assort. 803011

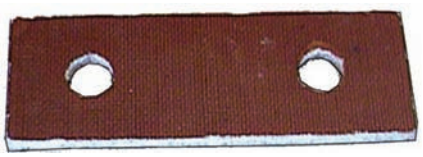
Pkg 10



134323 Insulator

Servicing: 120689512
Insulator 10

Pkg 10



134324 Insulator

Insulator 10
Assort. 803011

Pkg 10



136176 Boot

Servicing: 6004aa0003
Brush w/o, **Spring terminal** w/o



141185 Brush Set

V. 12, **L.** 11.40, **Th.** 4.80, **H.** 11.75, **No. of brushes** 4

235676 Brush Spring

Replacing: 9003334350
Servicing: 0001219001; -2; -3; -4; -5; -6; -8; -9; -11; -12; -14; -17; 9000332402; -6
V. 24, **Brush** With, **Spring terminal** With



237670 Brush Gear

Replacing: 1004336518; -894
Servicing: 0001109202; -3; -50; -305; -25053; -25054; F002G20359; -618; -622; F004A94002
V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Brush Holders

Pkg 10



133553 Brush Holder

Brush w/o, **Spring terminal** w/o
Assort. 803010

Pkg 10



133555 Brush Holder

Brush w/o, **Spring terminal** w/o
Assort. 803010

Pkg 10



134530 Brush Holder

Brush w/o, **Spring terminal** w/o

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



134531 Brush Holder

Brush w/o, **Spring terminal** w/o

Pkg 10



134702 Brush Holder

Brush w/o, **Spring terminal** w/o
Assort. 803010

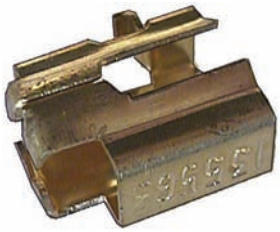
Pkg 10



135496 Brush Holder

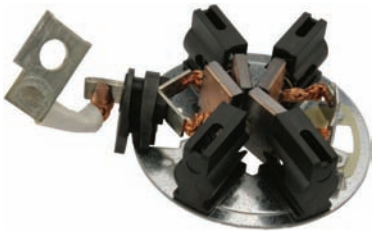
Brush w/o, **Spring terminal** w/o
Metal.

Pkg 10



135563 Brush Holder

Brush w/o, **Spring terminal** w/o
Anti CW rotation.



235745 Brush Gear

Replacing: 6033AD5316; 6033AD4194; 6033AD5320
Servicing: 0001231004; -5; -6; -7; -9; -12; -13; -23; -26; -27; -28; -29; -30; -34; -35; -36; -40; -41; -45; -
V. 24, **Brush** With, **Brush gear** 1, **Spring terminal** With



237366 Brush Gear

Replacing: 1004336888; -536; -712; -727; res12612; 1004336770
Servicing: 0001108157; -90; -96; -202; -204; -208; -209; -211; -212; -213; -214; -217; -218; -222; -223; -224;
V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Pkg 10



238580 Brush Holder

Servicing: 1107061

Brush Springs

Pkg 10



131499 Brush Spring

Replacing: 2004652006; 09453; 134559
Servicing: 0001410015; -7; -8; -9; -22; -23; -24; -25; -26; -29; -32; -33; -34; -35; -36; -37; -38; -39; -40;
L. 32.00
Assort. 803011; 803041

Pkg 10



132223 Brush Spring

Replacing: 2004616007
Servicing: 0001367001; -2; -4; -5; -6; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21; -22
O.D. 12.00, **L.** 24.00
Assort. 803041

Pkg 10



132224 Brush Spring

Replacing: 2004652036; -8; -9
Servicing: 0001358201; -2; -9002; -9003; -9008; -9010; -9012; -9013; -9014; -9016; -9018; -9020; -9023; -9025;
L. 32.00
Assort. 803041

Pkg 10



132576 Brush Spring

O.D. 8.10, **L.** 16.00
Assort. 803010; 803041

Pkg 10



133556 Brush Spring

Replacing: 2004618004
Servicing: 0001362034; -5; -6; -8; -9; -40; -41; -42; -43; -45; -46; -47; -48; -49; -50; -51; -52; -53; -55; -
O.D. 10.30, **L.** 27.30
Assort. 803041

Pkg 10



133557 Brush Spring

Replacing: 133386; -557
O.D. 9.50, **L.** 20.00
Assort. 803010; 803041

Pkg 10



134442 Brush Spring

Replacing: 1004652007; 2004652034
Servicing: 0001311047; -50; -51; -52; -53; -54; -55; -56; -100; -101; -102; -103; -105; -107; -108; -111; -112
L. 29.85
Assort. 803041

Pkg 10



134548 Brush Spring

Replacing: 1004611006
Servicing: 0001312108; -9; -7007; -7008; -7009; -7010; -7011; -7012; -7013; -7014; -7015; -7016; -7017; -7018;
O.D. 8.20, **L.** 32.50
Assort. 803041

Pkg 10



134937 Brush Spring

Replacing: 1004611007
Servicing: 0001208501; -6; -7; -8; -10; -13; -14; -15; -16; -17; -18; -19; -20; -21; -24; -26; -28; -702; -705
O.D. 8.30, **L.** 26.40
Assort. 803041

Pkg 10



135004 Brush Spring

Replacing: 1004615001
Servicing: 0001218002; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21;
O.D. 11.50, **L.** 32.00
Assort. 803041

Pkg 10



135299 Brush Spring

Replacing: 135300; -299
Servicing: 6004aa0003
O.D. 6.30, **L.** 17.30
Assort. 803041

Pkg 10



135460 Brush Spring

Replacing: 2004652010
Servicing: 0001357002; -3; -62001; -62002; -62003; -62004; -62005; -62006; -62007; -62008; -62009; -62010; -62
O.D. 15.00, **L.** 26.70
Assort. 803041

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 4



136694 Brush Spring

Replacing: 2004652004

Servicing: 0001370002; -3; -4; -1004; -1005; -1006; -1007; -1008; -1009; -1010; -1012; -1013; -1014; -1015; -1

O.D. 16.75, **L.** 32.90

Assort. 803041

Pkg 10



139119 Brush Spring

Replacing: 1004652005; 2004652015

Servicing: 0001207001; -3; -5; -9; -15; -16; -17; -18; -20; -8200; -8201; -8202; -8203; -8204; -8205; -8207; -

O.D. 14.70, **L.** 24.30

Pkg 10



139302 Brush Spring

Replacing: 2004452001; 2004652001

Servicing: 0001358035; -40; -48; B001804003

L. 31.15

Pkg 10



231172 Brush Spring

Replacing: 2004652002

Servicing: 0001154001; -7; -5003; -5004; -5008; -5009; -5011; -5016; -5017; -5018; -7001; -7002; -7003; -7004;

O.D. 12.50, **L.** 22.15

Pkg 10



231709 Brush Spring

Replacing: 2004616009

Servicing: 0001364300; -1; -400; -402; -7004; -7005; -7007; -7008; -7010; -7013; -7014; -7015; -7016; -7017; -

O.D. 11.90, **L.** 30.00

Pkg 10



232173 Brush Spring

O.D. 12.30, **L.** 32.00

Pkg 10



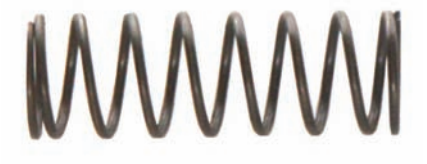
233726 Brush Spring

Replacing: 1124625003

Servicing: 0120300510; -1; -2; -3; -4; -5; -6; -7; -8; -9; -22; -23; -28; -29; -30; -31; -32; -33; -34; -35; -

O.D. 6.00, **L.** 34.00

Pkg 10



234117 Brush Spring

Servicing: 0001223013; -30006

O.D. 11.80, **L.** 34.85

Brush Sets



141008 Brush Set

Replacing: 9001083592; 9001454592

Servicing: 9000083053; -4; -5; -6; -7; -8; -9; -60; -61; -62; -64; -67; -69; -71; -72; -74; -75; -77; -78; 900

V. 12, **L.** 19.90, **Th.** 9.70, **H.** 21.75,
No. of brushes 4



141183 Brush Set

Replacing: 9001083433
Servicing: 9000083027; -8; -56; -65
V. 12, **L.** 23.50, **Th.** 9.93, **H.** 21.85,
No. of brushes 4



141194 Brush Set

Servicing: 0001107401; -2; -3
V. 12, **L.** 11.35, **Th.** 4.40, **H.** 11.85,
No. of brushes 4



bsx1004 Brush Set

Replacing: 2007014022; -35; -49; -51; -78; 16.905.380
Servicing: 0001360002; -7; -8; -9; -10; -12; -13; -15; -16; -17; -18; -19; -22; -23; -24; -25; -26; -27; -29;
V. 24, **L.** 23.00, **Th.** 7.85, **H.** 24.90,
No. of brushes 4
Assort. 803017



bsx1014 Brush Set

Replacing: 2007014040
Servicing: 1305010
V. 12, **L.** 18.13, **Th.** 8.80, **H.** 15.88,
No. of brushes 4



bsx1024 Brush Set

Replacing: 2007014053; 16.905.294; -767
Servicing: 0001357002; -62001; -62002; -62003; -62004; -62005; -62006; -62007; -62008; -62009; -62010; -62011;
V. 12, **L.** 25.35, **Th.** 8.80, **H.** 15.80,
No. of brushes 4
Assort. 803018



bsx1034 Brush Set

Replacing: 2007014017
Servicing: 0001510001; -2; -3; -4; -5; -6; -8; -9; -10; -11; -12; -13; -14; -17; -18; -19; -20; -21; -22; -23;
V. 24, **L.** 27.00, **Th.** 11.80, **H.** 39.85,
No. of brushes 4
Assort. 803017



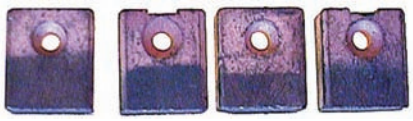
bsx1042 Brush Set

Replacing: 1007014112; -7; BSX592
Servicing: 0001208009; -33; -61; 0001311001; -7; -16; -26; -27; -32; -38; -39; -41; -44; -45; -3001; -3002; -3
V. 12, **L.** 18.03, **Th.** 6.83, **H.** 15.88,
No. of brushes 2



bsx1044 Brush Set

Replacing: 1007014113; -4; -8; -9; 2007014054; -5
Servicing: 0001208003; -25; -26; -47; -56; -58; -11016; -11023; 0001310013; -2100; -2101; -4002
V. 12, **L.** 18.10, **Th.** 6.90, **H.** 15.90,
No. of brushes 4
Assort. 803018



bsx1064 Brush Set

Replacing: 1007014127
Servicing: 0001207001; -3; -5; -9; -15; -16; -17; -18; -19; -20; -9014; -12003; -13003; 0001310006; -7; -8; -9
V. 12, **L.** 17.95, **Th.** 6.95, **H.** 15.90,
No. of brushes 4



bsx116f4 Brush Set

Replacing: bsx116f4
V. 24, **L.** 15.55, **Th.** 8.95, **H.** 15.75,
No. of brushes 4
Assort. 803017



bsx121f4 Brush Set

Replacing: bsx121f4
V. 12, **L.** 17.05, **Th.** 7.00, **H.** 13.90,
No. of brushes 4

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



bsx124 Brush Set

Replacing: 1007014100; 13784-27

Servicing: 0001354004; -5; -16; -18; -27; -29; -31; -38; -55; -64; -77; -79; -80; -82; -85; -86; -88; -89; -90

V. 6/12, **L.** 25.65, **Th.** 8.90, **H.** 12.95,
No. of brushes 4
Assort. 803018



bsx124f4 Brush Set

Replacing: 1007014129; bsx106f4; bsx132f4

Servicing: 0001208004; -6; -7; -17; -18; -29; -32; -36; -37; -38; -46; -47; -48; -58; -59; -61; -249; -250; -2

V. 12, **L.** 18.05, **Th.** 6.80, **H.** 15.80,
No. of brushes 4
Assort. 803018



bsx128f4 Brush Set

Replacing: bsx128f4

V. 12, **L.** 18.00, **Th.** 6.90, **H.** 9.85,
No. of brushes 4



bsx1304 Brush Set

Replacing: 2007014059; -60

Servicing: 0001413001; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -17; -18; -8001; -8002; -8003; -80

V. 12, **L.** 27.15, **Th.** 11.85, **H.** 35.90,
No. of brushes 4

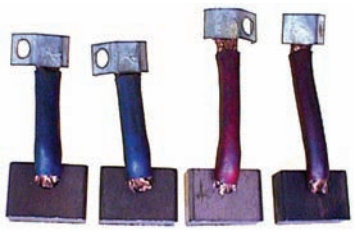


bsx1314 Brush Set

Replacing: 2007014008; -23; -36; -48; -61; 16.905.063

Servicing: 0001410015; -6; -7; -9; -21; -22; -23; -24; -25; -26; -29; -32; -34; -35; -36; -37; -38; -39; -40;

V. 24, **L.** 27.20, **Th.** 11.85, **H.** 35.90,
No. of brushes 4
Assort. 803011; 803017



bsx134-1444 Brush Set

Replacing: 2007014062; 16.905.376

Servicing: 0001367001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -18; -19; -20; -21;

V. 12, **L.** 16.60, **Th.** 9.82, **H.** 24.83,
No. of brushes 4
Assort. 803018



bsx135-1454 Brush Set

Replacing: 2007014063; 16.905.375

Servicing: 0001368001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20;

V. 24, **L.** 16.60, **Th.** 7.90, **H.** 24.90,
No. of brushes 4
Assort. 803017



bsx137-1434 Brush Set

Replacing: 2007014068

Servicing: 0001362034; -5; -6; -8; -9; -40; -41; -42; -43; -45; -46; -47; -48; -49; -50; -51; -52; -53; -57; -

V. 12, **L.** 16.90, **Th.** 8.95, **H.** 15.85,
No. of brushes 4
Assort. 803018

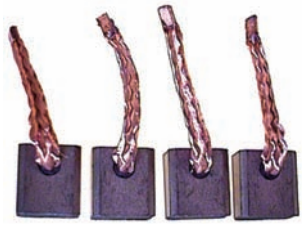


bsx138-1424 Brush Set

Replacing: 2007014069

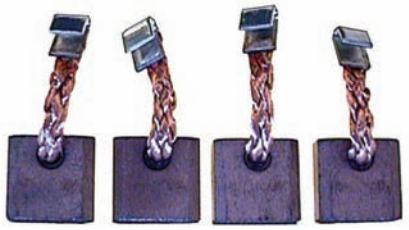
Servicing: 0001363103; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21; -22

V. 24, **L.** 15.60, **Th.** 8.80, **H.** 15.90,
No. of brushes 4



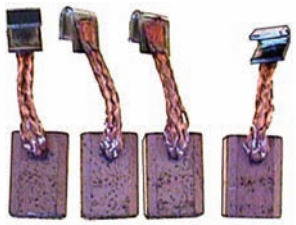
bsx1394 Brush Set

Replacing: 2007014065
Servicing: 0001362300; -1; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -
V. 12, **L.** 17.15, **Th.** 8.85, **H.** 15.90,
No. of brushes 4
Assort. 803018



bsx1404 Brush Set

Replacing: 1007014138; -44
Servicing: 0001208516; -710; -11514; 0001312108; -9; -7007; -7008; -7009; -7010; -7011; -7012; -7013; -7014; -
V. 12, **L.** 15.00, **Th.** 6.95, **H.** 15.80,
No. of brushes 4
Assort. 803018



bsx1464 Brush Set

Replacing: 1007014137
Servicing: 0001211500; -1; -2; -3; -4; -5; -6; -7; -8; -10; -11; -25; -26; -27; -28; -29; -30; -38; B001211300
V. 12, **L.** 14.25, **Th.** 7.00, **H.** 10.00,
No. of brushes 4



bsx1474 Brush Set

Replacing: 2007014067
Servicing: 0001420001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -24; -25; -26; -27; -28;
V. 24, **L.** 27.25, **Th.** 9.90, **H.** 35.85,
No. of brushes 4
Assort. 803017



bsx1484 Brush Set

Replacing: 2007014004; -15; -42; -47; -70; -74
Servicing: 0001410029; -62; -6001; -6002; -6003; -6004; -6005; -6006; -6007; -6008; -6009; -6010; -6011; -6012
V. 24, **L.** 27.00, **Th.** 11.85, **H.** 35.85,
No. of brushes 4
Assort. 803011; 803017



bsx1494 Brush Set

Replacing: 1007014105; -39; -41; -45; BSX1544; -64
Servicing: 0001208501; -6; -7; -8; -10; -13; -14; -15; -16; -17; -18; -19; -20; -21; -24; -26; -28; -702; -705
V. 12, **L.** 14.05, **Th.** 6.95, **H.** 9.90,
No. of brushes 4
Assort. 803018



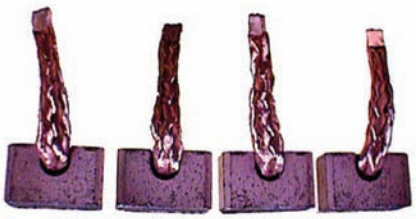
bsx151s4 Brush Set

Replacing: 1007014140; -3; 16.905.247; BSX1514
Servicing: 0001218002; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21;
V. 12, **L.** 18.95, **Th.** 7.40, **H.** 18.00,
No. of brushes 4
Assort. 803010; 803018



bsx1534 Brush Set

Replacing: 2007014066
Servicing: 0001421001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -14; -15; B001421002; -7; -8; -9; -14; -19; -20; -
V. 12, **L.** 27.20, **Th.** 11.80, **H.** 35.85,
No. of brushes 4



bsx1554 Brush Set

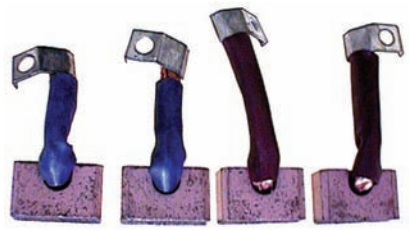
Replacing: 2007014071
Servicing: 0001369001; -3; -4; B001828011; -33; -41
V. 12, **L.** 15.00, **Th.** 9.85, **H.** 24.85,
No. of brushes 4

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



bsx159-1604 Brush Set

Replacing: bsx159-1604
V. 12, **L.** 12.85, **Th.** 4.85, **H.** 15.85,
No. of brushes 4
Used w/ brush set: Cargo 141184.
Assort. 803010; 803018



bsx163-1644 Brush Set

Replacing: 2007014073; -6
Servicing: 0001367001; -4; -5; -7; -8; -9; -10; -12; -13; -14; -15; -16; -17; -18; -20; -21; -22; -23; -24; -2
V. 12, **L.** 15.00, **Th.** 9.85, **H.** 24.80,
No. of brushes 4



bsx1654 Brush Set

Replacing: 9003337001
Servicing: 0001219001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -17; 9000331201; -3; -240
V. 24, **L.** 18.61, **Th.** 7.36, **H.** 17.94,
No. of brushes 4



bsx1664 Brush Set

Replacing: bsx1664
V. 12, **L.** 11.50, **Th.** 4.90, **H.** 11.80,
No. of brushes 4



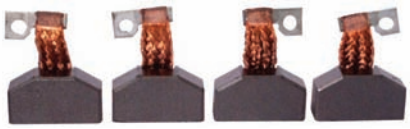
bsx170-1714 Brush Set

Replacing: 2007014077; -85; 140871
Servicing: 0001364300; -1; -400; -402; -72001; -72002; -72003; -72004; -72005; -72006; -72007; -72008; B001841
V. 24, **L.** 14.90, **Th.** 9.85, **H.** 24.75,
No. of brushes 4



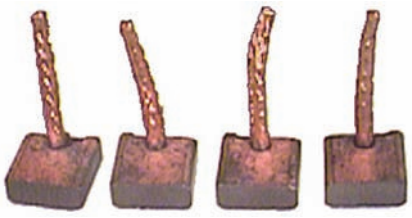
bsx172-173-1744 Brush Set

Replacing: 2007014084; 141070
Servicing: 0001417075; -6
V. 24, **L.** 19.25, **Th.** 11.90, **H.** 35.70,
No. of brushes 4
12.00 x 36.00 x 19.00 mmm. (3 pcs.).



bsx172-1734 Brush Set

Replacing: 2007014079; 140899
Servicing: 0001410029; -62; -6001; -6002; -6003; -6004; -6005; -6006; -6007; -6008; -6009; -6010; -6011; -6012
V. 24, **L.** 19.25, **Th.** 11.90, **H.** 35.80,
No. of brushes 4



bsx175-1764 Brush Set

Replacing: BSX161-1624; bsx175-1764
V. 12, **L.** 11.50, **Th.** 4.80, **H.** 11.90,
No. of brushes 4
Brush set: Cargo 141184.
Assort. 803010; 803018



bsx1774 Brush Set

Replacing: 2007014082; 9001453644; 2007014072; 140945
Servicing: 0001370001; -2; -3; -4; -1001; -1004; -1005; -1006; -1007; -1008; -1009; -1010; -1012; -1013; -1014
V. 24, **L.** 18.00, **Th.** 8.90, **H.** 35.95,
No. of brushes 4



bsx178-1794 Brush Set

Replacing: 2007014080
Servicing: 0001418001; -2; -3; -9; -12; -14; -15; -17; B001418009; -41100; -41112; -41114; -41128; -41130; -41
V. 12, **L.** 19.25, **Th.** 11.90, **H.** 35.80,
No. of brushes 4



bsx180-1814 Brush Set

Replacing: 2007014081
Servicing: 0001418016; B001441149
V. 12, **L.** 19.35, **Th.** 11.95, **H.** 35.95,
No. of brushes 4



BSX182-1834 Brush Set

Replacing: 9001454433
Servicing: 1124018
V. 12, **L.** 15.45, **Th.** 5.90, **H.** 19.90,
No. of brushes 4



bsx186-1874 Brush Set

Replacing: 2007014083
Servicing: 0001510029; -37; B001510173; -288
V. 24, **L.** 27.00, **Th.** 11.85, **H.** 39.80,
No. of brushes 4



bsx190-1914 Brush Set

Replacing: 141036; bsx190-1914
Servicing: 0001231002; 6033ad0130
V. 24, **L.** 16.50, **Th.** 6.40, **H.** 24.90,
No. of brushes 4



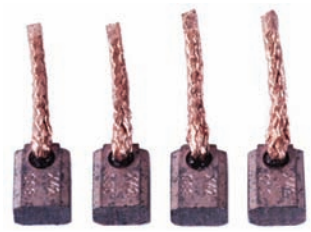
bsx192-1934 Brush Set

Replacing: bsx192-1934
V. 12, **L.** 15.00, **Th.** 5.80, **H.** 21.85,
No. of brushes 4



bsx194-1954 Brush Set

Replacing: bsx194-1954
Servicing: 0001230001; -4
V. 12, **L.** 16.75, **Th.** 7.40, **H.** 26.80,
No. of brushes 4



bsx1964 Brush Set

Replacing: bsx1964
V. 12, **L.** 11.50, **Th.** 4.90, **H.** 8.25,
No. of brushes 4



bsx1974 Brush Set

Replacing: bsx1974
Servicing: 0001370003; -4
V. 12, **L.** 17.77, **Th.** 8.88, **H.** 36.00,
No. of brushes 4



BSX202-2034 Brush Set

Replacing: BSX202-2034
V. 24, **L.** 23.15, **Th.** 8.93, **H.** 32.00,
No. of brushes 4



bsx204-2054 Brush Set

Replacing: bsx204-2054
V. 12, **L.** 12.75, **Th.** 4.55, **H.** 9.90,
No. of brushes 4



bsx206-2074 Brush

Replacing: 142052; 6033ad5097; -8; -126; -127
V. 24, **L.** 18.01, **Th.** 6.30, **H.** 27.94,
No. of brushes 4, **Brush** 1



BSX208-2094 Brush Set

Replacing: BSX208-2094
Servicing:

V. 12, **L.** 15.55, **Th.** 5.90, **H.** 17.95,
No. of brushes 4



bsx210-2114 Brush Set

Replacing: bsx210-2114
Servicing: 1108401
V. 12, **L.** 12.25, **Th.** 4.50, **H.** 15.95,
No. of brushes 4



bsx212-2134 Brush Set

Replacing: bsx212-2134
Servicing: f005m00001
V. 12, **L.** 12.95, **Th.** 4.90, **H.** 15.90,
No. of brushes 4

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



BSX214-2154 Brush Set

Replacing: BSX214-2154
Servicing: 1109014
V. 12, **L.** 12.50, **Th.** 5.95, **H.** 17.95,
No. of brushes 4



bsx216-2174 Brush Set

Replacing: 6033ad5177; -8
Servicing: 0001241003; -7
V. 24, **L.** 18.00, **Th.** 5.30, **H.** 27.95,
No. of brushes 4



BSX218-2194 Brush Set

Replacing: BSX218-2194
Servicing: 0001107103; -7; -21024; -21031
V. 12, **L.** 11.55, **Th.** 4.95, **H.** 11.95,
No. of brushes 4



bsx344 Brush Set

Replacing: 1007014107; 2007014021; 16.905.387; -8
Servicing: 0001401069; -2018; -2031; -2043; -2050; -2053; -2054; -2055; -2057; -2058; -2059; -2060; -2065; -20
V. 24, **L.** 28.30, **Th.** 8.85, **H.** 19.85,
No. of brushes 4
Assort. 803017



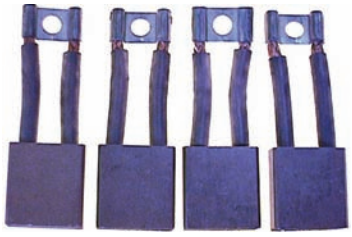
bsx354 Brush Set

Replacing: 1007014109; 16.905.389
Servicing: 0001401011; -2; -9; -23; -26; -27; -28; -41; -44; -46; -47; -49; -50; -52; -57; -60; -62; -66; -67;
V. 12, **L.** 28.70, **Th.** 11.90, **H.** 19.95,
No. of brushes 4



bsx434 Brush Set

Replacing: 1007014110; 1107014110
Servicing: 0001203009; -4002; -4005; -5015; -5017; 0001304009; -10; -16; -5011; -5012; -5013; -5016; -5018; -7
V. 6/12, **L.** 21.83, **Th.** 6.76, **H.** 15.81,
No. of brushes 4



bsx444 Brush Set

Replacing: 2007014006; 13784-29; -83
Servicing: 0001356003; -8017; -8018; -8026; -8035; -8038; -8047; -8048; -8049; -8050; -8051; B001804003; MOE12
V. 12, **L.** 22.65, **Th.** 7.80, **H.** 21.65,
No. of brushes 4



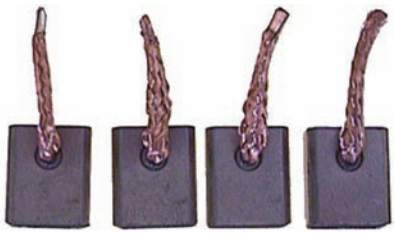
bsx494 Brush Set

Replacing: 1107014126
Servicing: 0001207001; -3; -5; -10; -14; -16; -17; AL/EEF0.5/6; AL/EEF0.5/6L1; AL/EEF0.5/6R16
V. 6, **L.** 18.10, **Th.** 6.85, **H.** 15.85,
No. of brushes 4



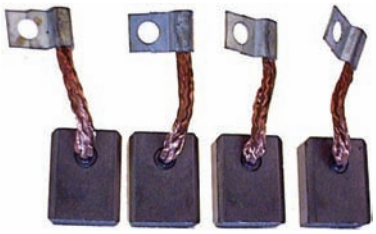
bsx524 Brush Set

Replacing: 2007014000
Servicing: 0001154001; -7; -5003; -5009; -5011; -5016; -5017; 9000141004; -6; -8; -17; -18; AL/EED0.4/6R9; AL/
V. 6/12, **L.** 17.05, **Th.** 6.85, **H.** 13.90,
No. of brushes 4



bsx704 Brush Set

Replacing: 1007014128; 2007014018
Servicing: 0001157001; -2; -3; -4; -5; -6; -7; -12; -13; -14; -15; -16; -17; -18; -20; -21; -22; -23; -24; -25
V. 12, **L.** 15.90, **Th.** 6.85, **H.** 13.85,
No. of brushes 4



bsx744 Brush Set

Replacing: 2007014024
Servicing: 0001155004; -6; -8; -15; -18; -8008; 9000141000; -1; -2; -3; -4; -6; -7; -8; -9; -10; -13; -15; -17
V. 12, **L.** 17.10, **Th.** 6.80, **H.** 13.90,
No. of brushes 4



bsx754 Brush Set

Replacing: 2007014026
Servicing: 0001208203; -5; -12200; -12202
V. 12, **L.** 18.00, **Th.** 6.85, **H.** 9.90,
No. of brushes 4
Assort. 803018



bsx764 Brush Set

Replacing: 1007014121
Servicing: 0001213004; 0001311033; -4; -42; -43; -47; -51; -101; -103; -105; -106; -108; -109; -114; -115; -11
V. 12, **L.** 17.79, **Th.** 6.83, **H.** 15.84,
No. of brushes 4
Assort. 803018



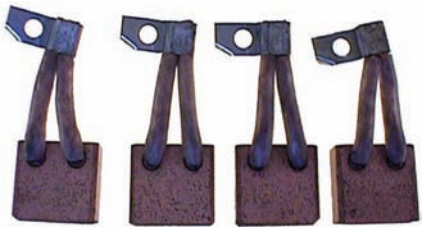
bsx784 Brush Set

Replacing: 2007014027
Servicing: 0001157009; -10
V. 12, **L.** 16.00, **Th.** 6.90, **H.** 9.85,
No. of brushes 4



bsx934 Brush Set

Replacing: 2007014016
Servicing: 0001363001; -101
V. 24, **L.** 25.50, **Th.** 8.80, **H.** 15.95,
No. of brushes 4
Assort. 803017



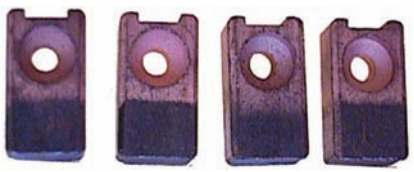
bsx964 Brush Set

Replacing: 2007014050; -2; -6; -64; -566; 8060014040; 16.905.226; -392; BSX1184
Servicing: 0001358201; -2; -9001; -9002; -9003; -9008; -9010; -9012; -9013; -9014; -9016; -9018; -9019; -9020;
V. 12, **L.** 23.00, **Th.** 9.75, **H.** 24.80,
No. of brushes 4
Assort. 803018



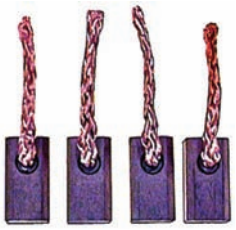
bsx97f4 Brush Set

Replacing: 1007014130; 2007014057
Servicing: 0001315002; -4; -5; -62034; -62035; -62036; -62037; -62038; -62039; -62040; -62041; -62042; -62043;
V. 12, **L.** 18.15, **Th.** 8.90, **H.** 15.85,
No. of brushes 4
Assort. 803018



bsx984 Brush Set

Replacing: 1007014126
Servicing: 0001208044; -6; -9; -51; -52; -53; -54; -100; -101; -200; -201; -202; -204; -206; -208; -209; -211;
L. 6.85, **Th.** 9.75, **H.** 18.00,
No. of brushes 4



bsx98f4 Brush Set

Replacing: bsx98f4
V. 12, **L.** 18.00, **Th.** 6.90, **H.** 9.90,
No. of brushes 4
Assort. 803018

Bushings

Pkg 10



140003 C.E. Bearing Bushinging

Replacing: 1000301001; -46; 140002; -3
Servicing: 0001157001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -20; -21;
O.D. 16.56, **I.D.** 12.60, **L.** 11.50, **Material** Copper
Assort. 803012

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



140004 Bearing Bushinging

Replacing: 2000301001; -9

Servicing: 0001354004; -5; -16; -18; -27; -29; -31; -38; -55; -64; -77; -79; -80; -82; -85; -86; -88; -89; -90

O.D. 17.60, **I.D.** 14.00, **L.** 14.95, **Type** Standard, **Material** Copper
Assort. 803012

Pkg 10



140006 Bearing Bushinging

Replacing: 1900301420; 15.120.012; -155

Servicing: 0001358201; -2; -9001; -9002; -9003; -9008; -9010; -9012; -9013; -9014; -9016; -9018; -9019; -9020;

O.D. 20.00, **I.D.** 14.00, **L.** 10.00, **Type** Standard, **Material** Copper



140007 Bearing Bushinging

Replacing: 2000410040; 17.900.295

Servicing: 0001401041; -4; -6; -7; -9; -50; -52; -57; -60; -62; -66; -67; -68; -69; -71; -73; -2008; -2018; -2

O.D. 39.15, **I.D.** 34.25, **L.** 41.80, **Material** Metal

Pkg 10



140008 Bearing Bushinging

Replacing: 140008; 1000301021

Servicing: 0001106001; -2; -4; -7007; -7008; -7020; -7021; -7052; -7053; -8005; -8013; -8032; -8045; -8046; -8

O.D. 13.60, **I.D.** 11.00, **L.** 13.80, **Material** Copper
Assort. 803012

Pkg 10



140009 Bearing Bushinging

Replacing: 1000301011; 140009

Servicing: 0001208205; -18004; -18005; -18012; -18013; -18017; -18018; -18025; -18107; -18111; -18112; -18113;

O.D. 16.12, **I.D.** 12.10, **L.** 16.00, **Material** Copper
Assort. 803012; 803020

Pkg 10



140010 Bearing Bushinging

Replacing: 2000301000; 15.120.094; 140010

Servicing: 0001223026; -30001; -30003; -30004; -30005; -30006; -30007; -30008; -30009; -30010; -30011; -30012;

O.D. 16.55, **I.D.** 12.59, **L.** 18.00, **Material** Copper
Assort. 803012

Pkg 10



140011 Bearing Bushinging

Replacing: 2000301015

Servicing: 0001402018; -10015; -10016; -10017; -10018; -10019; -10021; -10022; -10023; -10024; -10025; -10026;

O.D. 48.08, **I.D.** 40.05, **L.** 10.43, **Type** Standard, **Material** Copper
Assort. 803011

Pkg 10



140012 Bearing Bushinging

Replacing: 1000301002; -47; 323125723125; 140021

Servicing: 0001201009; -3008; -3009; -3010; -4002; -5015; -5017; -7001; -7005; -8006; -8017; 0001310007; -8; -

O.D. 16.55, **I.D.** 12.50, **L.** 13.85, **Type** Standard, **Material** Copper
Assort. 803012

Pkg 10



140014 Bearing Bushinging

Replacing: 2000301013; -128; 140015

Servicing: 0001154001; -7; -5003; -5004; -5006; -5008; -5009; -5011; -5015; -5016; -5017; -5018; -8008; 900014

O.D. 14.10, **I.D.** 10.00, **L.** 13.00, **Type** Standard, **Material** Copper

Pkg 10



140016 Bearing Bushinging

Replacing: 1000301000; -42; 2000301019; 140013; -6

Servicing: 0001211227; 0001304009; -10; -16; -5010; -5011; -5012; -5013; -5016; -5018; -7007; -7009; -7017; -7

O.D. 16.55, **I.D.** 12.57, **L.** 15.80, **Material** Copper

Assort. 803012

Pkg 10



140017 Bearing Bushinging

Replacing: 1000301012; 140017

Servicing: 0001107012; -3; -7; -8; -24; -34; -37; -45; -48; -54; -55; -60; -68; -69; -72; -73; -74; -90; -96;

O.D. 16.00, **I.D.** 12.00, **L.** 13.85, **Material** Copper

Assort. 803012

Pkg 10



140018 Bearing Bushinging

Replacing: 2000301036; 9001082166; 140018

Servicing: 0001106018; -20; -7003; -7004; -7005; -7006; -7009; -7014; -7015; -7016; -7022; -7023; -7025; -7026

O.D. 14.11, **I.D.** 12.15, **L.** 13.60, **Material** Copper

Assort. 803012

Pkg 10



140019 Bearing Bushinging

Replacing: 2000301043; -7; 15.120.095; 140019

Servicing: 0001330004; -7; -11; -62034; -62035; -62036; -62037; -62038; -62039; -62040; -62041; -62042; -62043

O.D. 18.03, **I.D.** 14.06, **L.** 14.00, **Material** Copper

Assort. 803012

Pkg 10



140020 Bearing Bushinging

Replacing: 2000301002; -140

Servicing: 0001354004; -5; -27; -31; -64; -77; -79; -82; -89; -91; -95; -100; -5019; -67301; -68081; 900014320

O.D. 25.10, **I.D.** 19.08, **L.** 9.90, **Type** Standard, **Material** Copper

Assort. 803012

Pkg 10



140025 Bearing Bushinging

Replacing: 2000301026

Servicing: 0001362001; -2; -3; -4; -5; -6; -7; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -20; -21; -22;

O.D. 23.00, **I.D.** 19.00, **L.** 10.00, **Type** Standard, **Material** Copper

Assort. 803012

Pkg 10



140026 Bearing Bushinging

Replacing: 2000301045; 15.120.011; 2000301041; 140026

Servicing: 0001358048; -9002; -9003; -9008; -9010; -9012; -9013; -9014; -9016; -9018; -9020; -9023; -9025; -90

O.D. 23.10, **I.D.** 19.10, **L.** 13.00, **Material** Copper

Assort. 803012

Pkg 10



140027 Bearing Bushinging

Replacing: 1000301022; -34; 140027

Servicing: 0001112010; -1; -7; -8; -4003; -4004; -4005; -4006; -4008; -4009; -4010; -4014; -4015; -4016; -4017

O.D. 21.60, **I.D.** 17.60, **L.** 9.40, **Material** Copper

Assort. 803012

Pkg 10



140028 Bearing Bushinging

Replacing: 2000301022

Servicing: 0001207016; -7; -20; -11012; -11013; -11221; -11222; -11223; -11224; -11252; -11992; -11993; -11997

O.D. 12.60, **I.D.** 11.10, **L.** 10.50, **Material** Copper

Assort. 803012

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



140029 Bearing Bushinging

Replacing: 1000301026; -53; -77

Servicing: 0001108183; -9014; -9015; -9036; -10005; -10016; -10054; -10092; -10095; -10124; -10125; -15001; -1

O.D. 13.60, **I.D.** 12.10, **L.** 13.50, **Material** Copper
Assort. 803012

Pkg 10



140030 Bearing Bushinging

Replacing: 1000301009; -66; -82; -88; 2000301020; 140023; -30

Servicing: 0001107003; -4; -5; -6; -7; -8; -10; -11; -16; -20; -21; -22; -23; -27; -29; -38; -39; -41; -43; -5

O.D. 13.62, **I.D.** 12.13, **L.** 11.50, **Material** Copper
Assort. 803012

Pkg 10



140031 Bearing Bushinging

Replacing: 2000301024

Servicing: 0001211995; 0001358035; -40; -201; -202; -62005; -62006; -62008; -62009; -62010; -62012; -62013; -6

O.D. 16.00, **I.D.** 14.25, **L.** 13.65, **Type** Standard, **Material** Copper

---

Pkg 10



140033 Bearing Bushinging

Replacing: 1000301019; 2000301031

Servicing: 0001212002; -5; -6; -7; -8; -11; -12; -13; -200; -202; -3004; 0001312100; -59002; -59035; -59097; -

O.D. 16.00, **I.D.** 14.25, **L.** 11.00, **Type** Standard, **Material** Copper

---

Pkg 10



140035 Bearing Bushinging

Replacing: 1000301023

Servicing: 0001120400; -1; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -1001; -1002; -1003; -1006; -1007; -1008;

O.D. 16.02, **I.D.** 14.36, **L.** 10.00, **Material** Copper
Assort. 803012

Pkg 10



140043 Bearing Bushinging

Replacing: 1000301063; 68430; -902; -903; 84909; 051914; 140043; -210

Servicing: 0001108074; -85; -86; -112; -122; -143; -12007; -12019; 0001223500; -2; -5; -6; -7; B001111191; -25

O.D. 15.05, **I.D.** 12.10, **L.** 15.00, **Material** Copper
Assort. 803019; 803020; 803033

Pkg 10



140111 Bearing Bushinging

Replacing: 2000301016

Servicing: 0001410015; -6; -7; -8; -9; -21; -22; -23; -24; -25; -26; -29; -32; -33; -34; -35; -36; -37; -38; -

O.D. 28.00, **I.D.** 22.00, **L.** 11.00, **Material** Copper

---



140114 Bearing Bushinging

Replacing: 2000322020

Servicing: 0001401012; -23; -28; -2031; -2043; 0001501019; -39; BNG4/12CR221; BNG4/12CR222SR; -38SR; BNG4/24CR

O.D. 44.00, **I.D.** 34.40, **L.** 42.00, **Material** Metal

Pkg 10



140140 Bearing Bushinging

Replacing: 2000301004; 9923764; 9924764; 15.120.014

Servicing: 0001400016; -1011; -1012; -1019; -1023; -1026; -1027; -1028; -1044; -1046; -1047; -1049; -1050; -10

O.D. 19.60, **I.D.** 16.64, **L.** 18.90, **Type** Standard, **Material** Copper
Assort. 803012

Pkg 10



140151 Bearing Bushinging

Replacing: 2000301011

Servicing: 0001358035; -40; -9044; -60036; -62038

O.D. 25.12, **I.D.** 19.00, **L.** 12.70, **Type** Standard, **Material** Copper
Assort. 803012

Pkg 10



140203 Bearing Bushinging

Replacing: 2000301037

Servicing: 0001364100; -1; -2; -3; -4; -5; -6; -8; -200; -201; -202; -204; -205; -206; -5004; -5005; -5006; -5

O.D. 20.00, **I.D.** 14.00, **L.** 17.00, **Type** Standard, **Material** Copper
Assort. 803012

Pkg 10



140204 Bearing Bushinging

Replacing: 9001140347

Servicing: 0001218002; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -22;

O.D. 16.55, **I.D.** 10.00, **L.** 11.45, **Type** Standard, **Material** Copper
Assort. 803012

Pkg 10



140208 Bearing Bushinging

Replacing: 1000301056; 2000301056

Servicing: 0001106001; -2; -4; -11; -12; -14; -15; -16; -17; -18; -19; -20; -22; -23; -24; -7003; -7004; -7005

O.D. 14.00, **I.D.** 10.08, **L.** 9.80, **Type** Standard, **Material** Copper
Assort. 803012

Pkg 10



140248 Bearing Bushinging

Replacing: 1000301061

Servicing: 0001108074; -112; -125; -128; -130; -162; -10052; -10083; -10108; -24018; -24019; -25505; -25506; B

O.D. 16.55, **I.D.** 10.00, **L.** 10.15, **Type** Standard, **Material** Copper

Pkg 10



140249 Bearing Bushinging

Replacing: 1000301054; -76; 140249

Servicing: F002G20757

O.D. 11.12, **I.D.** 8.10, **L.** 8.00, **Material** Copper
Assort. 803012

Pkg 10



140250 Bearing Bushinging

Servicing: m1t74381

O.D. 11.00, **I.D.** 8.00, **L.** 10.00, **Type** Standard, **Material** Copper

Pkg 10



140251 Bearing Bushinging

Replacing: 1000301055; -74

O.D. 22.11, **I.D.** 17.99, **L.** 7.90, **Type** Standard, **Material** Copper
Assort. 803012

Pkg 10



140252 Bearing Bushinging

O.D. 22.1, **I.D.** 18.0, **L.** 6.0, **Material** Copper
Assort. 803012

Pkg 10



140256 Bearing Bushinging

Replacing: 1000301013

Servicing: 0001212001; -2; -3; -5; -6; -7; -8; -11; -12; -13; -200; -202; -204; -205; -206; -207; -208; -209;

Collar O.D. 33.00, **O.D.** 30.40, **I.D.** 26.10, **L.** 11.35, **Material** Copper

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



140261 Bearing Bushinging

Replacing: 1000301003

O.D. 16.03, **I.D.** 14.39, **L.** 18.00, **Material** Copper alloy
Assort. 803012

Pkg 10



140319 Bearing Bushinging

Replacing: 1000301083; fbm-10; m409d30901

Servicing: 0001106011; -2; -4; -5; -6; -7; -9; -22; -23; -24; -405; -406; -407; -409; -410; -7066; -7077; -709

O.D. 14.00, **I.D.** 10.00, **L.** 11.95, **Type** Standard, **Material** Copper
Assort. 803042

Pkg 10



140423 Bearing Bushinging

O.D. 16.50, **I.D.** 12.50, **L.** 10.35, **Material** Copper
Assort. 803012

Pkg 10



140500 Bearing Bushinging

Replacing: 1000301008; 2000301023; 140260; -500

Servicing: 0001111001; -2021; -2022; -2027; -2028; -2044; -3001; -3002; -3007; -3013; -3014; -57001; -57002; -

O.D. 14.10, **I.D.** 12.11, **L.** 12.00, **Material** Copper
Assort. 803012

Pkg 10



140563 Bearing Bushinging

Replacing: 1000322005; 140529; -63; -64

Servicing: 0001218002; -3; -4; -5; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21; -22

Collar O.D. 18.70, **O.D.** 16.55, **I.D.** 10.07, **L.** 14.70, **Material** Copper
Assort. 803012

Pkg 10



140624 Bearing Bushinging

O.D. 17.00, **I.D.** 15.45, **L.** 9.85, **Material** Copper

Pkg 10



140645 Bearing Bushinging

Replacing: 1000301010

Servicing: 0001207001; -5; -8006; -8017; 0001310007; -8; -19; AL/EEF0.5/6; AL/EEF0.5/6L1; AL/EEF0.8/12L1; AL/E

O.D. 14.00, **I.D.** 12.50, **L.** 10.50, **Type** Standard, **Material** Copper
Assort. 803012

Pkg 10



140692 Bearing Bushinging

Replacing: 1000301027

Servicing: 0001312104; -5; -6; -7; -8; -9; B001335003

Collar O.D. 33.30, **O.D.** 32.15, **I.D.** 25.95, **L.** 11.65, **Material** Copper

---

Pkg 10



140711 Bearing Bushinging

O.D. 22.00, **I.D.** 18.00, **L.** 5.75, **Material** Copper

Pkg 10



140745 Bearing Bushinging

Replacing: 1900301454

Servicing: 0001510001; -2; -3; -4; -5; -6; -8; -9; -10; -11; -12; -13; -14; -17; -18; -19; -20; -21; -22; -23;

O.D. 32.00, **I.D.** 24.90, **L.** 17.85, **Material** Copper

Pkg 10



140782 Bearing Bushinging

O.D. 13.60, **I.D.** 12.10, **L.** 20.25, **Material** Copper

Pkg 10



140850 Bearing Bushinging

Replacing: 1000390001; -3; -4

Servicing: 0001121001; -2; -3; -6; -7; -8; -9; -10; -11; -16; -17; -18; -19; -24; -25; -26; -27; -28; -29; -30

O.D. 32.30, **I.D.** 28.47, **L.** 11.00, **Material** Steel

Pkg 10



140853 Bearing Bushinging

Replacing: 1000301032

Servicing: 0001106001; -2; -4; -7031; -7032; -7049; -7400; -7401; -7402; -7403; -7404; -7405; -7406; -7407; -7

O.D. 12.65, **I.D.** 11.10, **L.** 11.50, **Material** Copper

Pkg 10



140854 Bearing Bushinging

Replacing: 1000301031

Servicing: 0001106011; -2; -4; -5; -6; -7; -8; -9; -20; -22; -23; -24; -403; -404; -409; -410; -7009; -7010; -

O.D. 13.60, **I.D.** 12.10, **L.** 11.45, **Type** Standard, **Material** Copper

Pkg 10



140855 Bearing Bushinging

Replacing: 2000301025

Servicing: 0001362001; -2; -27; -28; -29; 9000143406

O.D. 20.05, **I.D.** 14.10, **L.** 10.00, **Type** Standard, **Material** Copper

Pkg 10



140856 Bearing Bushinging

Replacing: 1000301062

Servicing: 0001112003; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21; -22

O.D. 16.60, **I.D.** 12.60, **L.** 9.90, **Type** Standard, **Material** Copper

Pkg 10



140857 Bearing Bushinging

O.D. 13.50, **I.D.** 12.10, **L.** 11.20, **Material** Copper

Pkg 10



140858 Bearing Bushinging

Replacing: 2000301040

Servicing: 0001154001; -5003; -5004; -5011; -7011; 9000141001; -2; -9; AL/EED0.5/12R4

O.D. 14.00, **I.D.** 12.00, **L.** 12.15, **Material** Copper

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



140859 Bearing Bushinging

Replacing: 2000301049

Servicing: 0001359067; -72; -75; -84; -94; -95; -99; -100; -105; -118; -60017; -60019; -60026; -60031; -60032;

O.D. 23.06, **I.D.** 19.06, **L.** 13.15, **Type** Standard, **Material** Copper

Pkg 10



140861 Bearing Bushinging

Replacing: 1000301078

Servicing: 0001108180; -2; -6; -9026; F002G20326

O.D. 14.05, **I.D.** 12.10, **L.** 12.95, **Material** Copper

Pkg 10



140862 Bearing Bushinging

Replacing: 2000301051

Servicing: 0001358202; -62307

O.D. 16.05, **I.D.** 14.35, **L.** 17.10, **Material** Copper

Pkg 10



140864 Bearing Bushinging

Replacing: 2000301139

Servicing: 0001600002; -3; -5; -6; -7; -10; -11; -12; -13; -1001; -1002; -1003; -1004; -1005; -1006; -1007; -1

O.D. 37.10, **I.D.** 30.15, **L.** 24.75, **Material** Copper

Pkg 10



140865 Bearing Bushinging

Replacing: 1000301068; -75

O.D. 16.00, **I.D.** 14.40, **L.** 15.10, **Material** Copper

Pkg 10



140866 Bearing Bushinging

Replacing: 2000301006

Servicing: 0001208515; -23500; -23502; -23505; 0001358048; -9003; -9008; -9010; -9012; -9013; -9014; -9016; -9

O.D. 16.05, **I.D.** 14.35, **L.** 23.15, **Type** Standard, **Material** Copper

Pkg 10



140867 Bearing Bushinginging

Replacing: 2000301044

Servicing: 0001223501; -3; -4; 0001362051; -2; -63; -64; -93; -96; -97; -300; -301; -302; -303; -304; -306; -3

O.D. 16.00, **I.D.** 14.75, **L.** 20.30, **Type** Standard, **Material** Copper

Pkg 10



140911 Bearing Bushinging

Replacing: 9003330905

Servicing: 9000331203

O.D. 16.10, **I.D.** 10.03, **L.** 12.50, **Material** Copper

Pkg 10



140928 Bearing Bushinging

O.D. 22.25, **I.D.** 18.75, **L.** 5.85, **Material** Copper

Pkg 10



140929 Bearing Bushinging

Replacing: 1000301072

Servicing: 0001120400; -1; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -1001; -1002; -1003; -1006; -1007; -1008;

O.D. 13.55, **I.D.** 10.95, **L.** 9.20, **Type** Standard, **Material** Copper

---

Pkg 10



140962 Bearing Bushinging

Replacing: 9001083373

Servicing: 9000083027; -8; -43; -45; -53; -54; -55; -56; -57; -58; -59; -60; -61; -62; -63; -64; -65; -66; -67

O.D. 19.50, **I.D.** 15.75, **L.** 10.00, **Material** Copper

---

Pkg 10



140984 Bearing Bushinging

Replacing: 1000301080; -91

Servicing: 0001106403; -4; -5; -6; -7; -9; -10; -7400; -7401; -7402; -7403; -7404; -7405; -7406; -7407; -7408;

O.D. 16.52, **I.D.** 12.40, **L.** 7.85, **Material** Copper

Pkg 10



140988 Bearing Bushinging

Replacing: 9003330317

Servicing: 0001218602; -20; -703; -710; -711; -712; -715; -716; -719; -722; -725; -728; -730; -735; -736; -737

O.D. 16.02, **I.D.** 10.03, **L.** 10.00, **Material** Copper

---

Pkg 10



140990 Bearing Bushinging

O.D. 25.00, **I.D.** 20.90, **L.** 11.65, **Material** Copper

---

Pkg 10



141061 Bearing Bushinging

Replacing: 1000301069

Servicing: 0001108120; -4; -47; -49; -10016; -10039; -10053; -10054; -10075; -10078; -10091; B001111326; -92;

Collar O.D. 18.50, **O.D.** 16.50, **I.D.** 10.10, **L.** 13.75, **Material** Copper

---

Pkg 10



141095 Bearing Bushinging

O.D. 14.10, **I.D.** 12.15, **L.** 20.90, **Material** Copper

---

Pkg 10



141096 Bearing Bushinging

O.D. 22.10, **I.D.** 18,03, **L.** 7.00, **Material** Copper

Pkg 10



141099 Bearing Bushinging

O.D. 22.15, **I.D.** 18.00, **L.** 7.15, **Material** Copper

Pkg 5



141115 Bushinging

Replacing: 1000301087

Servicing: 0001121022; -3; -5016; -5017; -5018; -5019; 1006209681

O.D. 15.15, **I.D.** 12.20, **L.** 8.40, **Material** Copper

Pkg 10



141117 Bushinging

O.D. 9.00, **I.D.** 5.20, **L.** 9.00, **Material** Copper

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



141118 Bushinging

O.D. 11.10, **I.D.** 8.10, **L.** 7.85, **Material** Copper

Pkg 10



141119 Bushinging

O.D. 14.00, **I.D.** 10.10, **L.** 9.55, **Material** Copper

Pkg 10



141161 Bushinging

Servicing: 1006209949

O.D. 16.05, **I.D.** 14.30, **L.** 9.95, **Material** Steel

Pkg 10



141165 Bushinging

O.D. 14.10, **I.D.** 11.15, **L.** 8.50, **Material** Steel

Pkg 10



141191 Bushinging

O.D. 22.20, **I.D.** 20.00, **L.** 26.80, **Material** Steel

Pkg 10



141204 Bushinging

O.D. 14.23, **I.D.** 10.00, **L.** 16.85, **Material** Copper

Pkg 10



141212 Bushinging

O.D. 24.98, **I.D.** 21.04, **L.** 11.62, **Material** Copper



141241 Bushinging

Servicing: 2006202000

O.D. 25.40, **I.D.** 24.00, **L.** 10.65, **Material** Copper

Pkg 5



142061 Bushinging

Replacing: 6033ac5050

Servicing: 0001241001; -3; -4; -5; -6; -7; -14; -15; 6033ad5355

Pkg 10



238788 Bushinging Kit

Servicing: 0331100016; -1006; -1009

O.D. 8.96/5.30, **I.D.** 3.25/3.25

W: 1.10/2.40 mm.

Bearings



142055 Bearing

Replacing: 6033AC0294

Servicing: 0001330001; -3; -4; -5; -6; -7; -8; -11; -12; -13; -40501; -40502; -40503

O.D. 58.00, **I.D.** 20.00, **H.** 26.00

Needle Bearings

Pkg 10



140197 Needle Bearing

Replacing: 2000910002; -9; 85215; tla1816z; hk1816

Servicing: 0001410015; -6; -7; -8; -9; -21; -22; -23; -24; -25; -26; -29; -32; -33; -34; -35; -36; -37; -38; -

O.D. 24.00, **I.D.** 18.00, **L.** 16.00,
No. of rollers 20
Assort. 803011

Pkg 10



140198 Needle Bearing

Replacing: 2000910005; 85222; f-91916; f-203215

Servicing: 0001410015; -6; -7; -8; -9; -21; -22; -23; -24; -25; -26; -29; -32; -33; -34; -35; -36; -37; -38; -

O.D. 48.00, **I.D.** 34.00, **L.** 15.00,
No. of rollers 13
Assort. 803011

Pkg 10



140242 Needle Bearing

Replacing: 9001140384; 9440923; d6az11135a; e4fz11135a; mc189a; tla1210z; fc66624; hk1210; C6VF11135A; C6VY1113

Servicing: PMGR series. M78, M79. 0001107037; -48; -56; -100; -101; -108; -8115; -8145; -8147; -8157; -8168; -8

O.D. 16.00, **I.D.** 12.00, **L.** 10.00,
No. of rollers 18
Assort. 802035; 803013; 803026

Pkg 10



140375 Needle Bearing

Replacing: 9003330902; tla1812z; hk1812

Servicing: 9000331201; -3

O.D. 24.00, **I.D.** 18.00, **L.** 12.00,
No. of rollers 20
Assort. 802035; 803013

Pkg 10



140482 Needle Bearing

Replacing: 1000917003; tla1010z; hk1010; 142063

Servicing: 0001106023; -4; -7030; -7032; -7059; -7064; -7075; -7078; -7079; -7080; -7082; -7088; -7089; -7102;

O.D. 14.00, **I.D.** 10.00, **L.** 10.00,
No. of rollers 14
Assort. 802035

Pkg 5



140617 Needle Bearing

Replacing: tla59z; hk0509; 140617

O.D. 9.00, **I.D.** 5.00, **L.** 9.00, **No. of rollers** 8
Assort. 802035

Pkg 5



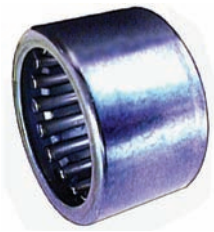
140619 Needle Bearing

Replacing: tla69z; hk0609; 140619

Servicing: S114-526A; -806A

O.D. 10.00, **I.D.** 6.00, **L.** 9.00,
No. of rollers 10
Assort. 802035

Pkg 5



140717 Needle Bearing

Replacing: 2000910004; scb1210b

Servicing: 0001510001; -2; -3; -4; -5; -6; -8; -9; -10; -11; -12; -13; -14; -17; -18; -19; -20; -21; -22; -23;

O.D. 25.05, **I.D.** 19.05, **L.** 15.88,
No. of rollers 19

Pkg 5



140733 Needle Bearing

Replacing: tla2220z; hk2220; 140733

O.D. 28.00, **I.D.** 22.00, **L.** 20.00,
No. of rollers 24

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



140903 Needle Bearing

Replacing: 9003330901; nk10/12tn; nk1012
Servicing: 9000331201
O.D. 17.00, **I.D.** 10.00, **L.** 12.00,
No. of rollers 13
Assort. 802035

Pkg 10



140904 Needle Bearing

Replacing: 6033ac0105; 9003330903; hk12162rs
Servicing: 0001218157; -757; -23001; -23009; -23010; -23014; -23021; -30002; -30003; -30014; -30025; -31028; -
O.D. 18.00, **I.D.** 12.00, **L.** 16.00,
No. of rollers 15
Assort. 802035

Pkg 5



140935 Needle Bearing

Replacing: 1000917006; tla910z; hk0910
Servicing: 0001107031; -2; -49; -415; -429; -431; -432; -437; 6004aa0003; F000CD0202; F002G20485
O.D. 13.00, **I.D.** 9.00, **L.** 10.00,
No. of rollers 13
Assort. 802035



140946 Bearing Kit

Replacing: 9001453666
Servicing: 0001371001; M1T79481

Pkg 5



140971 Needle Bearing

Replacing: 2000910013; f-220469
Servicing: 0001370003; -4; -1004; -1005; -1006; -1007; -1008; -1009; -1010; -1012; -1013; -1014; -1015; -1016;
O.D. 23.88, **I.D.** 15.88, **L.** 21.88,
No. of rollers 14
Closed end.

Pkg 5



140972 Needle Bearing

Replacing: 2000910012; 9000910012; 2114-1411; f-203978; hk22162rs
Servicing: 0001370001; -2; -3; -4; -1001; -1004; -1005; -1006; -1007; -1008; -1009; -1010; -1012; -1013; -1014
O.D. 28.00, **I.D.** 22.00, **L.** 16.00

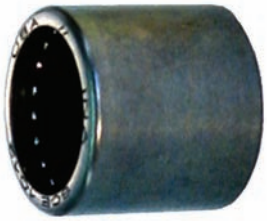
Pkg 5



141007 Needle Bearing

Replacing: 2000910015
Servicing: 0001372001; -2; -3; -4; -5; -6; -7; -8
O.D. 23.85, **I.D.** 16.00, **L.** 18.95,
No. of rollers 14
Double sealed.

Pkg 5



141015 Needle Bearing

Replacing: 2000910011; sce1012
Servicing: 0001370001; -2; -1001; 9000453029; -64; -65; -66; -67; -68; B001850025; -1001; -1002; -1012
O.D. 20.64, **I.D.** 15.88, **L.** 19.05,
No. of rollers 20

Pkg 5



141040 Needle Bearing

Replacing: tla3016z; hk3016; 6033AC0352
Servicing: 0001330001; -3; -4; -5; -6; -7; -8; -11; -12; -13
O.D. 37.00, **I.D.** 30.00, **L.** 16.00,
No. of rollers 26

Pkg 5



141054 Needle Bearing

Replacing: 1000917000; -5; hk12142rsfpmd
Servicing: 0001107070; -1; -8113; -8114; -8133; -8174; -8175; -8200; -8201; -8220; -8221; -9011; -9021; -9022;
O.D. 18, **I.D.** 12.00, **L.** 14.00,
No. of rollers 15
Assort. 802035

Pkg 5



141084 Needle Bearing

Replacing: 1000917007; f-229411
Servicing: 0001121022; -3; -4020; -4021; -5016; -5017; -5018; -5019; -5046; -5047; -5048; -5049; -5053; -5054;
O.D. 37.00, **I.D.** 30.50, **L.** 15.90,
No. of rollers 26

Pkg 10



141256 Needle Bearing

Replacing: F-231294; 141256
Servicing: 0001107404; -5; -29; -35; -8400; -8405; -8406; -20402; -20403; -20406; -20407; -20408; -20409; -214
O.D. 8.50, **I.D.** 5.50, **L.** 6.85, **No. of rollers** 7

Pkg 10



142001 Needle Bearing

Replacing: f-235208; 1000917009; F-235208.02
Servicing: 0001120400; -1; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -1032; -1033; -1402; -1403; -1408; -1409;
O.D. 35.20, **I.D.** 28.10, **H.** 14.60

Pkg 10



142019 Needle Bearing

Replacing: hk2512
Servicing: 0001241003; -7; -14
O.D. 32.00, **I.D.** 25.00, **L.** 12.00

Roller Bearings



140649 Bearing

Replacing: 1900900206; 2000900001; 16009
Servicing: 0001510001; -2; -3; -5; -8; -9; -10; -17; -18; -19; -20; -21; -22; -23; -24; -25; -26; -27; -28; -2
O.D. 75.00, **I.D.** 45.00, **H.** 10.00



140650 Bearing

Replacing: 2000914012; nu305
Servicing: 0001510001; -2; -3; -5; -8; -9; -10; -17; -18; -19; -20; -21; -22; -23; -24; -25; -26; -27; -28; -2
O.D. 62.00, **I.D.** 25.00, **H.** 17.00

Repair Kits



130968 Repair Kit

Replacing: 2007010007; 9918362
Servicing: 0001354089; -9054; -9056; -9070; -9078; -9093; -9096; -9103; -9115; -9116; -9120; -9121; -9126; -91



130969 Terminal Set

Replacing: 2007011040
Servicing: 0001359072; -60004; -60005; -60017; -60019; -60020; -60026; -60027; -60031; -60032; -60033; -60035;

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



130970 Terminal Set

Replacing: 2007001533; 2007011041; -2; -533; 9918361; 9926113
Servicing: 0001358202; -9002; -9003; -9008; -9010; -9014; -9016; -9020; -9025; -9027; -9030; -9031; -9032; -90



132307 Terminal Kit

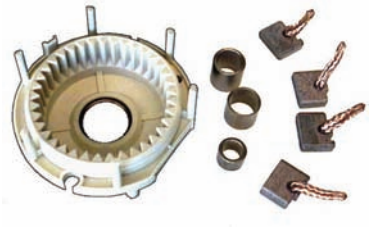
Replacing: 2007011008; 9009475



133308 Terminal Kit

Replacing: 2004449002; -86; 131446
Servicing: 0001416001; -6; -14; -18; -28; -31; -32; -33; -35; -39; -49; -50; -51; -53; -65; -68; -7004; -7011;

Terminal 30: M10. Terminal 31: M10 insulated.
Assort. 803011



133309 Repair Kit



133310 Repair Kit



133311 Repair Kit



133312 Repair Kit



133313 Repair Kit



133314 Repair Kit

Replacing: 133315; -4



133316 Repair Kit

Replacing: 230401; 133316



133317 Repair Kit

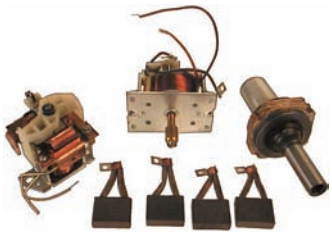


133318 Repair Kit



133540 Repair Kit

24 Volt. Include Clutch: Cargo 130317. Solinoid: Cargo 130283. Solinoid: Cargo 130305. Kit: Cargo 137016. Brush set: Cargo BSX131-4.



133586 Repair Kit



133604 Terminal Kit

Replacing: 2007011060

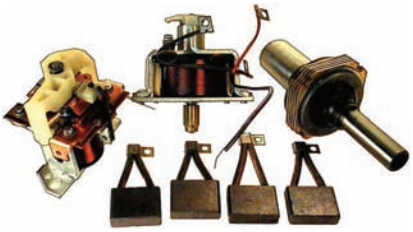
Servicing: 0001410017; -9; -22; -24; -35; -37; -44; -46; -49; -50; -58; -61; -63; -67; -68; -69; -73; -75; -77

Assort. 803011



134009 Repair Kit

Include: Clutch: Cargo 130317. Solinoid: Cargo 133554. Solinoid: Cargo 130304. Kit: Cargo 137016. Brush set: Cargo BSX131 (4 pcs.).



134010 Repair Kit



134050 Repair Kit

Servicing: 1006200017; -900



134051 Repair Kit

Servicing: 1006200001; -10; -22



134052 Repair Kit

Servicing: 1006200015



134053 Repair Kit

Servicing: 1006200019; -904



134606 Repair Kit

Replacing: 2007011003

Servicing: 0001401041; -4; -6; -9; -50; -52; -57; -60; -66; -67; -69; -71; -73; -2018; -2050; -2053; -2054; -2



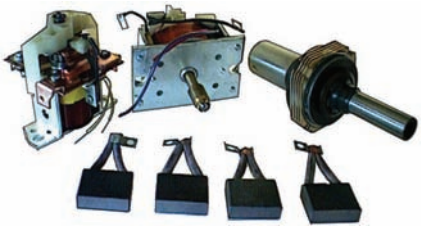
134607 Terminal Repair Set

Replacing: 2007011029

Servicing: 0001410015; -6; -7; -8; -9; -21; -22; -24; -29; -32; -33; -34; -35; -37; -41; -43; -44; -45; -46; -



135205 Repair Kit



135206 Repair Kit



135303 Repair Kit



135577 Repair Kit

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



136053 Terminal Kit

Replacing: 2007011046

Servicing: 0001364100; -1; -2; -3; -4; -5; -6; -8; -200; -201; -202; -203; -204; -205; -206; -5004; -5005; -50



136251 Repair Kit



136252 Repair Kit



136282 Repair Kit

Include: Clutch: Cargo 130317. Solinoid: Cargo 130304. Solinoid: Cargo 133554. Kit: Cargo 137016. Brush set: Cargo BSX148.



136603 Repair Kit

Replacing: 2007010034

Servicing: 0001358200; -1; -2



136695 Terminal

Replacing: 2007011057

Servicing: 0001420001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -24; -25; -26; -27; -28;



136856 Repair Kit

Replacing: 1007010079

Servicing: 0001106403; -4; -7; -9; -10; -20400; -20401; -20402; -20403; -20404; -20405; -20406; -20407; -20408



136914 Repair Kit

Replacing: 1007010040

Servicing: 0001218002; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21;



136915 Repair Kit

Replacing: 1007010039; -81

Servicing: 0001090112; -5; -37; -39; -41; -44; 0001106001; -2; -4; -12; -16; -17; -22; -23; -24; -7003; -7004;



136970 Repair Kit

Replacing: 1007010070

Servicing: 0001106011; -4; -5; -8; -9; -20; -8022; -8030; -8051; -8056; -8085; -8086; -8088; -8089; -8113; -81



137001 Terminal Kit

Replacing: 2007011069

Servicing: 0001410029; -62; -6001; -6002; -6003; -6004; -6005; -6006; -6007; -6008; -6009; -6010; -6011; -6012



137016 Repair Kit

Replacing: 1187010000; 1987010000; 132710

Servicing: 0001410016; -7; -9; -21; -22; -24; -37; -41; -44; -46; -50; -61; -63; -67; -68; -69; -73; -75; -77;

Repair kit for starter FKB



137173 Repair Kit

Replacing: 1007010004

Servicing: 0001204102; -3; -7001; -7003; -7005; -7009; -7015; -7016; -7017; -7018; -7019; -7020; -8004; -8006;



137270 Repair Kit

Replacing: 1007010046

Servicing: 0001112003; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21; -22



137882 Repair Kit

Replacing: 1007010003

Servicing: 0001204102; -3; -7001; -7003; -7005; -7009; -7015; -7016; -7017; -7018; -7019; -7020; -8004; -8006;



137883 Sealing Kit

Replacing: 2007010053

Servicing: 0001420001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -24; -25; -26; -27; -28;



138381 PVC Bracket

Replacing: 9001337099

Servicing: 9000331203



138412 Terminal Kit

Servicing: 0001416010; -7037



138927 Terminal Kit

Replacing: 2004632026; 00460; -1; 01360; -1; 04143; -97; 09351; 72006; 131452

Servicing: 0001410088; -1012; -1017; -6004; -6007

Assort. 803011



139015 Repair Kit



139061 Pivot Pin Kit

Replacing: 9001082207

Servicing: 9000082013; -21; -28; -29; -33; -40; -42; -43; -45; -46; -47; -49; -50; -51; -52; -53; -54; -55; -5



139071 Terminal Kit

Replacing: 2007011070

Servicing: 0001410029; -62; -1023; -6001; -6002; -6003; -6004; -6005; -6006; -6007; -6008; -6009; -6010; -6011



139152 Repair Kit

Replacing: 2007010020; -32

Servicing: 0001354080; -2; -8; -90; -91; -92; -93; -94; -95; -99; -100; -103; -106; -108; -109; -113; -5015; -



139154 Repair Kit

Replacing: 2007010021

Servicing: 0001362005; -6; -7; -8; -11; -12; -13; -14; -15; -16; -17; -19; -21; -22; -23; -24; -25; -32; -33;

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



139292 Terminal Kit

Servicing: 0001416002; -38; -40; -43; -62; -7007; -7036



139576 Repair Kit



139699 Lever Support Kit

Replacing: 9003337010; 2002033007

Servicing: 0001230001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -18; -20; -21; -22;

L. 31.30



139815 Repair Kit

Replacing: 9001083538

Servicing: 9000083027; -8; -43; -45; -53; -54; -55; -56; -57; -58; -59; -60; -61; -62; -63; -64; -65; -66; -67



230019 Terminal Kit



230021 Terminal Kit

Terminal 30: M10. Terminal 31: M10 stel.



230022 Terminal Kit



230023 Terminal Kit



230024 Terminal Kit



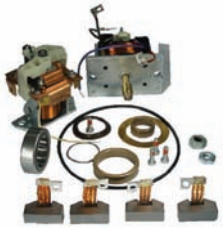
230329 Repair Kit

Dimension 24 V.
Include: Clutch: Cargo 130317. Solenoid: Cargo 130283. Solenoid: Cargo 130305. Kit: Cargo 137016. Brush set: Cargo BSX172-1734.



230330 Repair Kit

Dimension 24 V.
Include: Clutch: Cargo 130317. Solenoid: Cargo 133554. Solenoid: Cargo 130304. Kit: Cargo 137016. Brush set: Cargo BSX172-1734.



230331 Repair Kit



230846 Terminal Kit

Replacing: 2007011071

Servicing: 0001370003; -4; -1004; -1005; -1006; -1007; -1008; -1009; -1010; -1012; -1013; -1014; -1015; -1016;



231086 Washer Kit

Replacing: 2007010133

Servicing: 0001372001; -2; -3; -4; -5; -6; -7; -8



231175 Repair Kit

Replacing: 2007010012

Servicing: 0001157001; -3; -4; -5; -6; -7; -8; -11; -12; -13; -14; -15; -16; -17; -18; -20; -21; -22; -23; -24



231645 Terminal Kit

Replacing: 2007011072

Servicing: 0001417075; -6



231649 Repair Kit

Replacing: 6033ad0047

Servicing: 0001223001; -4; -5; -6; -8; -9; -11; -12; -13; -14; -18; -19; -22



231651 Repair Kit

Replacing: 6033ad0064

Servicing: 0001223002; -3; -7; -16; -21; -24



234040 Repair Kit

Replacing: 2007010011

Servicing: 0001354016; -8; -29; -31; -38; -55; -77; -85; -86; EJD1,8/12R70



234657 Repair Kit

Replacing: 9001337095

Servicing: 0001218172; -3



235147 Repair Kit

Replacing: 1007010093

Servicing: 0001106405; -6; -7401; -7402; -7403; -7404; -7405; -7406; -7407; -7408; -7409; -7410; -7411; -7415;



235441 Repair Kit

Replacing: 550132; 235441

Sundry Parts

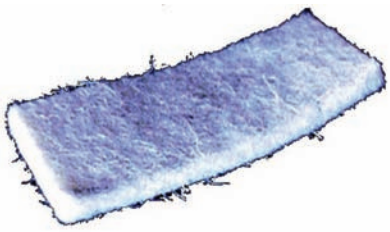


130316 Bearing Sleeve

Replacing: 2003123011; 00443

Servicing: 0001401044; -6; -9; -50; -67; -69; -71; -73; -2018; -2050; -2054; -2065; -2075; -2081

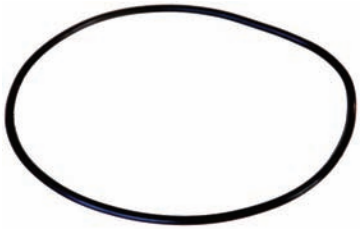
Pkg 10



130909 Felt

Replacing: 2001005021

Pkg 10



131444 Rubber Seal

Replacing: 2000210014; -83; 00593

Servicing: 0001401044; -6; -9; -50; -67; -69; -71; -73; -2018; -2050; -2054; -2065; -2075; -2081; -10016; -100

O.D. 145.00, **I.D.** 142.00, **Th.** 3.00

Assort. 803011

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



131449 Oil Seal

Replacing: 2000212000; 08642

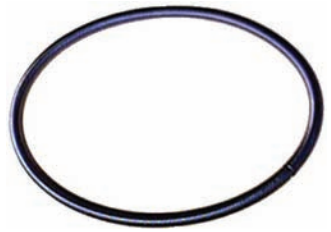
Servicing: 0001410015; -6; -7; -8; -9; -21; -22; -23; -24; -25; -26; -29; -33; -34; -36; -37; -38; -39; -40; -

O.D. 44.35, **I.D.** 31.90, **Th.** 4.10, **Material** Rubber

Spring: Cargo 131450.

Assort. 803011; 803039

Pkg 10



131450 Spring

Replacing: 2000650030; 2004650030; 08643

Servicing: 0001410015; -6; -7; -8; -9; -21; -22; -23; -24; -25; -26; -29; -33; -34; -36; -37; -38; -39; -40; -

O.D. 36.70

Dust cover: Cargo 131449.

Assort. 803011; 803039

Pkg 10



131453 Washer

Replacing: 2000102620; -1; -2; 79273; 80274; -5

Servicing: 0001410016; -7; -9; -21; -22; -24; -29; -35; -37; -41; -44; -46; -48; -49; -50; -51; -52; -58; -61;

O.D. 31.95, **I.D.** 22.00, **Th.** 0.30, **Material** Steel

Assort. 803011



131454 Clutch Housing

Replacing: 2005825077; 06706

Servicing: 0001410016; -7; -8; -9; -21; -22; -23; -24; -25; -26; -29; -33; -35; -36; -37; -38; -39; -40; -41;

Pkg 5



131841 Key

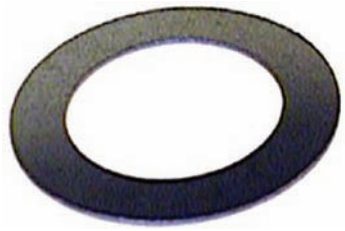
Replacing: 1902300090

Servicing: 0001410015; -6; -7; -8; -9; -21; -22; -23; -24; -25; -26; -29; -32; -33; -34; -35; -36; -37; -38; -

L. 31.80, **Th.** 4.00, **W.** 6.00

Assort. 803011

Pkg 10



132203 Washer

Replacing: 2000101600

Servicing: 21,85x14x0,50mm 0001401044; -6; -9; -50; -67; -69; -71; -73; -2018; -2050; -2054; -2065; -2075; -208

O.D. 22.00, **I.D.** 14.20, **Th.** 0.50, **Material** Steel

Pkg 10



132207 Fiber Washer

Replacing: 2000107000

Servicing: 0001401044; -6; -9; -50; -67; -69; -71; -73; -2018; -2050; -2054; -2065; -2075; -2081

O.D. 34.00, **I.D.** 17.30, **Th.** 1.50, **Material** Fiber

Pkg 10



132208 Washer

Replacing: 2000108021

Servicing: 0001401044; -6; -9; -50; -67; -69; -71; -73; -2008; -2018; -2050; -2054; -2065; -2075; -2081; Q0014

O.D. 24.00, **I.D.** 16.00, **Th.** 2.80, **Material** Fiber

Pkg 10



132222 Spring

Replacing: 2004641000

Servicing: 0001401044; -6; -9; -50; -67; -69; -71; -73; -2008; -2018; -2050; -2054; -2065; -2075; -2081; 00015

O.D. 40.35

Dust cover: Cargo 132296.

Pkg 5



132296 Oil Seal

Replacing: 2000121000; -3; 1114543
Servicing: 0001401044; -6; -9; -50; -67; -69; -71; -73; -2008; -2018; -2050; -2054; -2065; -2075; -2081; -1011
O.D. 54.00, **I.D.** 35.00, **H.** 4.70
Spring: Cargo 132222.
Assort. 803039



132982 Plug

Replacing: 2916090013; 5933-83; 234077
Servicing: 0001372001; -2; -3; -4; -5; -6; -7; -8; CA45012-Y95M; CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D1
O.D. 26.00, **H.** 1.85



133603 Terminal 30

Replacing: 2001030031; 2003590003; -4
Servicing: 0001411025; -6; -7; -6002; -6010; -6023; -6038; -6040; -6043; -6044; -6045; -6055; -6062; -6063; -6
L. 122.25, **Thread** M12
Terminal 30.

Pkg 50



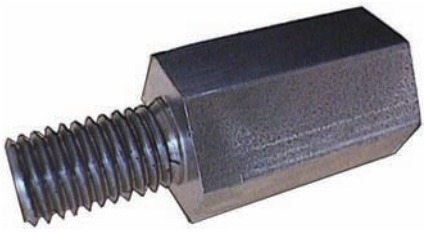
134274 Washer

O.D. 9.00, **I.D.** 5.20, **Th.** 1.00, **Material** Steel

Pkg 10



134372 Felt



134525 Adaptor

Assort. 803011

Pkg 5



134549 Locking Bushinging

Replacing: 1000309009
Servicing: 0001311050; -1; -2; -3; -4; -5; -127; -4008; -4010; -4017; -4018; -4024; -6003; -6004; -6005; -6006
O.D. 21.10, **I.D.** 14.90, **Th.** 7.40



134608 Mounting Bracket

Replacing: 9001140424
Servicing: 0001208226; -8; 9000142002
Dist. btw mount. holes 71.45

Pkg 100



134769 Washer

O.D. 27.20, **I.D.** 22.30, **Th.** 1.60, **Material** Fiber

Pkg 100



134770 DD Washer

Replacing: 1000207001
Servicing: 0001106407; -9; -10; -7401; -7402; -7404; -7405; -7408; -7409; -7429; -7430; -7435; -7436; -7437; -
O.D. 25.80, **I.D.** 20.50, **Th.** 1.60, **Material** Fiber

Pkg 10



134771 Gasket

L. 15.70, **Th.** 8.55, **W.** 13.65

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



134772 Bushinging

Replacing: 1000301029
Servicing: 0001107066; -89; -411; -490; -491; -8202; -8204; -8224; -8234; -8235; -8239; -8240; -9018; -9048; -
O.D. 11.00, **I.D.** 8.60, **L.** 10.95, **Material** Steel
D.E. bracket: Cargo 136289.

Pkg 5



134958 Insulator

Insulator 5
Assort. 803040

Pkg 5



134959 Insulator

Insulator 5
Assort. 803040

Pkg 5



135050 Insulator

Insulator 5
Assort. 803040

Pkg 10



135051 Grommet

Assort. 803040

Pkg 10



135052 Grommet

O.D. 20.00, **H.** 16.55
Assort. 803040

Pkg 10



135053 Grommet

Assort. 803040

Pkg 10



135055 Rubber

Assort. 803040

Pkg 10



135062 Grommet

Assort. 803040

Pkg 10



135259 Grommet

O.D. 10.20, **L.** 25.50
Assort. 803040

Pkg 10



135291 Brake Washer

O.D. 23.00, **I.D.** 12.50, **Th.** 1.90

Pkg 10



135302 Insulator

O.D. 17.50, **I.D.** 11.60, **Th.** 8.00, **Insulator** 10, **Material** Plastic

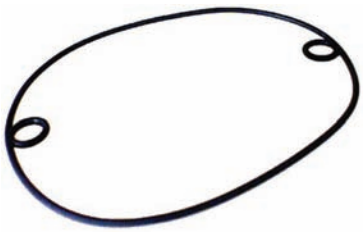
Pkg 5



135397 Spring

Replacing: 1004617004; 2004650035
Servicing: 0001212005; -6; -11; -200; -202; -204; -206; -207; -208; -209; -210; -211; -212; -213; -214; -400;
O.D. 29.15
Dust cover: Cargo 136791.

Pkg 5



135580 Gasket

Replacing: 2000290012
Servicing: 0001362321; -31; -3128; -3130; -7036; -7038; -7046; -7051; -7054; -7057; -7061; -7063; -8030; -8031
Th. 1.20, **Material** Rubber

Pkg 10



135634 Brake Washer

Replacing: 138768; 135634
O.D. 23.00, **I.D.** 15.50, **Th.** 2.10

Pkg 10



135637 Lock Ring

Servicing: 0001212206; -7
O.D. 37.60, **Th.** 1.50, **Lock ring** 10

Pkg 10



135645 Pole Shoe Screw

Replacing: 2003429057; -60; 9001140194; 90117304; 182041; 2003429055; 2910960285
Servicing: 0001362008; -34; -35; -36; -38; -39; -41; -42; -45; -46; -48; -49; -50; -51; -52; -53; -57; -58; -5
Thread L. 11.00, **L.** 16.70, **Thread** M10

Pkg 10



135846 Retaining Ring

Servicing: 6004aa0003

Stop collar: Cargo 137742.

Pkg 10



135847 Retaining Ring

Replacing: 137743; 135847
Servicing: Stop collar: Cargo 137742. 1109305
Th. 2.00

Pkg 5



135848 Stop Collar

Servicing: 6004aa0003
O.D. 16.70, **I.D.** 11.00, **Th.** 4.70, **Material** Steel

Pkg 10



135876 Pole Shoe Screw

Replacing: 2003429058; -9; 2910961287; 9001140371
Servicing: 0001218002; -3; -4; -5; -6; -7; -8; -9; -10; -11; -13; -15; -16; -17; -19; -20; -21; -22; -23; -24;
Thread L. 14.00, **L.** 17.90, **Thread** M10

Pkg 10



136169 Shaft Nut Set

Replacing: 2003315002; -4; -40
Servicing: 0001410029; -62; -91; -1010; -5012; -5014; -5019; -5020; -6001; -6002; -6003; -6004; -6005; -6006;
O.D. 17.00, **Thread** M10

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



136237 Steel Washer

Replacing: 2000101014; -5

Servicing: 0001359023; -31; -35; -50; -51; -54; -66; -89; -92; -98; -60023; -60036; -60040; -64100; -64101; -6

O.D. 35.00, **I.D.** 19.50, **Th.** 2.50, **Material** Steel

Pkg 10



136274 Gasket

Servicing: M50.

L. 75.00, **Th.** 0.55, **W.** 8.00

Pkg 5



136278 Gasket

L. 315.00, **Th.** 0.45, **W.** 38.00

Pkg 5



136281 Gasket

L. 300.00, **Th.** 0.40, **W.** 17.50

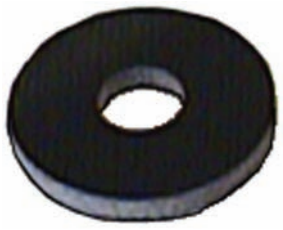
Pkg 25



136306 Insulator Bushinging

O.D. 6.00, **I.D.** 4.00, **L.** 7.90

Pkg 25



136307 Insulator Bushinging

O.D. 13.00, **I.D.** 4.15, **Th.** 1.45

Pkg 10



136308 Insulator Washer

Servicing: 1231002

O.D. 24.20, **I.D.** 10.00, **Th.** 2.00

Pkg 5



136437 Pivot Pin

Replacing: 1003450003

Servicing: 0001157006; -15; -23; -26; -28; -29; 0001204102; -8058; -8100; -8101; -8200; -8201; -8202; -8203; -

Collar L. 32.00, **L.** 36.25, **Thread** M6



136697 Splined Washer

Replacing: 2000112007

Servicing: 0001420001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -24; -25; -26; -27; -28;

O.D. 50.20, **I.D.** 21.50, **Th.** 5.00, **Material** Plastic

---

Pkg 25



136735 Insulator Bushinging

O.D. 6.50, **I.D.** 4.00, **L.** 6.90, **Material** Plastic

Pkg 10



136791 Oil Seal

Replacing: 1000221001

Servicing: 0001212206; -7; -10; -400; -401; B001229004; -13; -200

O.D. 40.00, **I.D.** 27.00, **H.** 3.80

Spring: Cargo 135397.

Assort. 803039

Pkg 5



136971 Steel Washer

Replacing: 2000101093

Servicing: 0001401044; -6; -9; -50; -67; -69; -71; -73; -2050; -2054; -2065; -2075; -2081; 0001501001; -3; -5;

O.D. 21.30, **I.D.** 12.20, **Th.** 2.00, **Material** Steel



136973 Cover Fastening Set



137029 Terminal

Replacing: 2004449088

Servicing: 0001417065; -9; B001411400

L. 91.75, **Thread** M12

Terminal 31.

Pkg 5



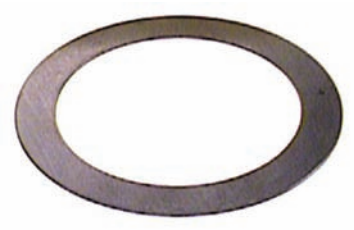
137172 Stop Ring

Replacing: 2000500018

Servicing: 0001212005; -6; -11; -200; -202; -204; -206; -207; -208; -209; -210; -211; -212; -213; -214; -400;

O.D. 45.20, **I.D.** 27.50, **Th.** 5.00, **Material** Steel

Pkg 5



137176 Lock Washer

Replacing: 1000102005

Servicing: 0001212005; -6; -11; -200; -202; -204; -208; -209; -210; -211; -212; -213; -214; -402; -403; 000131

O.D. 36.70, **I.D.** 27.20, **Th.** 0.50, **Material** Steel

Pkg 10



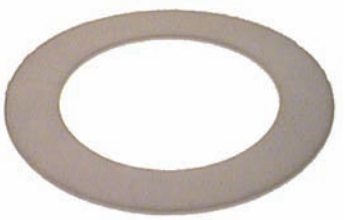
137614 Pole Shoe Screw

Replacing: 2910551240

Servicing: 0001410025; -82; 0001501001; -3; -5; -6; -14; -15; -19; -20; -10004; -10006; -10011; -10012; -10014

Thread L. 14.00, **L.** 18.00, **Thread** M8

Pkg 10



137721 Washer

O.D. 48.00, **I.D.** 32.00, **Th.** 1.00, **Material** Plastic

---

Pkg 10



137741 Spacer

Replacing: 137881; -741

Servicing: 0001107047; -8028; -8029; -8039; -8042; -8047; -8048; -8054; -8063; -8065; -8066; -8069; -8076; -80

Pkg 5



137742 Stop Collar

Replacing: 1000202003

Servicing: 0001107461; -2; -8403; -8404; -9305; -12044; -38002; 0001204005; -6; -7003; -8007; -8018; -8100; -8

O.D. 17.80, **I.D.** 12.00, **Th.** 4.70, **Material** Steel

Retaining ring: Cargo 135847.

Pkg 5



137744 Retaining Ring

Th. 2.30

Retaining ring: Cargo 137746.

Pkg 100



137745 Stop Collar

O.D. 17.20, **I.D.** 12.00, **Th.** 5.50

Retaining ring: Cargo 135847.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



137746 Stop Collar

O.D. 21.80, **I.D.** 12.00, **Th.** 5.00, **Material** Steel
Retaining ring: Cargo 137744.

Pkg 5



138219 Steel Washer

O.D. 19.90, **Th.** 2.00, **Material** Steel

Pkg 5



138220 Steel Washer

O.D. 23.75, **Th.** 2.00, **Material** Steel

Pkg 5



138430 Field Coil Terminal

Replacing: 138431; -0
Servicing: 2004114065
L. 107.00
Field coil: Cargo 131074, 131134.



138683 Stop Collar Kit

Pkg 10



138769 Brake Washer

O.D. 23.00, **I.D.** 12.80, **Th.** 1.00

Pkg 10



138770 Brake Washer

O.D. 31.00, **I.D.** 12.50, **Th.** 2.00

Pkg 10



138835 Pole Shoe Screw

Replacing: 2004631000; 2005429055
Servicing: 0001401044; -6; -9; -50; -67; -69; -71; -73; -2018; -2050; -2054; -2065; -2075; -2081; 0001501001;
Thread L. 13.00, **L.** 17.95, **Thread** M10



139050 Friction Washer

Replacing: 2000101042
Servicing: 0001420001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -24; -25; -26; -27; -28;
O.D. 30.00, **I.D.** 19.70, **Th.** 1.50, **Material** Steel



139114 Brake Washer

Replacing: 1001036001
Servicing: 0001208515; -28; -717; 9000333109; B001208338; -32021
O.D. 54.20, **I.D.** 14.40, **Th.** 0.50, **Material** Steel



139155 I.M. Washer

Replacing: 2000134002
Servicing: 0001358048; -62005; -62006; -62008; -62009; -62010; -62012; -62014; -62015; -62018; -62019; -62020;
O.D. 39.75, **I.D.** 19.40, **Th.** 6.00, **Material** Steel

Pkg 10



139157 I.M. Fibre Washer

Replacing: 2000113000

Servicing: 0001354077; -82; -89; -91; -100; -8040; -8048; -62001; -62002; -62005; -62006; -62008; -62009; -620

O.D. 36.25, **I.D.** 20.15, **Th.** 2.00, **Material** Fiber

Pkg 10



139339 Cup Washer

Replacing: 2000500084

Servicing: 0001203008; -10; -4002; -4005; 0001308001; -6; -7; 0001401044; -6; -9; -50; -67; -69; -71; -73; -20

O.D. 15.50, **I.D.** 6.80, **Th.** 3.00, **Material** Metal

Pkg 10



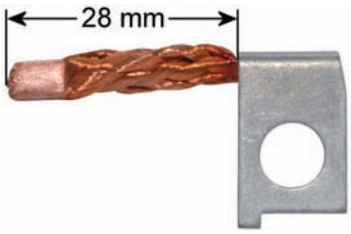
139340 Gasket

Replacing: 2000109007; -8

Servicing: 0001401044; -6; -9; -50; -67; -69; -71; -73; -2018; -2050; -2054; -2065; -2075; -2081; -10016; -100

Th. 2.55, **Material** Plastic

Pkg 10



139343 Terminal

I.D. 8.00, **Lead L.** 28.00



139358 Retaining Flange

Replacing: 2000220099

Servicing: 0001362092; -6; -601; -3120; -3122; -3128; -3130; -8007; -8035; -8053; -8066; -8068; -8073; -8086;



139360 Terminal B+

Replacing: 2001030032

Servicing: 0001417065; -9; -75; -76; B001411400

L. 122.60, **Thread** M12

Terminal 30.

Pkg 5



139457 Retaining Washer

Replacing: 1000102018

Servicing: 0001212206; -7; -400; -401; B001229004; -200

O.D. 41.00, **I.D.** 27.20, **Th.** 0.50, **Material** Steel

Pkg 5



139810 Brake Washer

Replacing: 2000112008

Servicing: 0001370001; -2; -3; -4; -1001; -1004; -1005; -1006; -1007; -1008; -1009; -1010; -1012; -1013; -1014

O.D. 49.30, **I.D.** 21.30, **Th.** 3.20



139812 Locking Ring

Replacing: 1000328001

Servicing: 0001212204; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -400; -401; -402; -403; B001229003; -4; -9

O.D. 49.50, **I.D.** 24.20, **Th.** 22.50, **Material** Steel

---

Pkg 10



139813 Steel Ball

Replacing: 1903230007

Servicing: 0001212001; -3; -5; -6; -11; -200; -202; -204; -205; -206; -207; -208; -209; -210; -211; -212; -213

O.D. 4.00, **Material** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



139962 Terminal

Replacing: 2001030033; -4
Servicing: 0001416001; -3; -4; -5; -6; -7; -8; -9; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -22; -24;
L. 125.90, **Thread** M10
Terminal 30.

Pkg 100



190510 Hex Screw

Replacing: 2003450040; 2911061301; 04117; 131447
Servicing: 0001410015; -7; -8; -26; -29; -32; -33; -34; -35; -39; -40; -43; -44; -45; -46; -48; -52; -53; -54;
L. 50.00, **Thread** M10, **Spanner size** 17.00
Assort. 803011

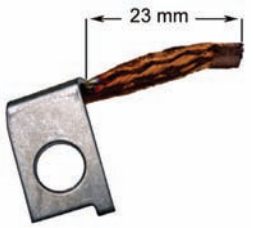
Pkg 200



192752 Hex Screw

Replacing: 2911051281; 233859
Servicing: 0001370003; -4; -1004; -1005; -1006; -1007; -1008; -1009; -1010; -1012; -1013; -1014; -1015; -1016;

Pkg 10



230104 Terminal

I.D. 8.00, **Lead L.** 23.00

Pkg 10



230373 Rubber Rrain

Replacing: 1000306002
Servicing: 0001108188; 0001223501; -30001; -30003; -30004; -30005; -30006; -30007; -30008; -30009; -31002; -31
O.D. 5.20, **L.** 30.00

Pkg 10



230501 Pole Shoe Screw

Replacing: 2910480282; 2910550282
Servicing: 0001203008; -9; -10; -4002; -4005; -4006; -4102; -7001; -7003; -7005; -7009; -7015; -7016; -7017; -
Thread L. 7.85, **L.** 12.15, **Thread** M10

Pkg 5



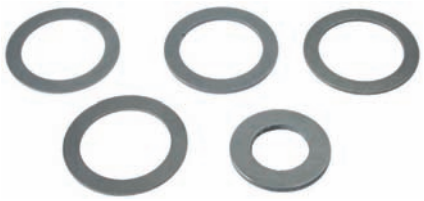
230632 Brake Washer

Replacing: 2000112027
Servicing: 0001370001; -2; -3; -4; -1001; -1004; -1005; -1006; -1007; -1008; -1009; -1010; -1012; -1013; -1014
O.D. 37.80, **I.D.** 22.70, **Th.** 3.30, **Material** Fiber



230633 Terminal Strap

Replacing: 1001090036
Servicing: 0001125501; -2; -11; -12
L. 99.60, **Thread** M8
Terminal 30.



230845 Washer Kit

Replacing: 2007010132
Servicing: 0001370003; -4; -1004; -1005; -1006; -1007; -1008; -1009; -1010; -1012; -1013; -1014; -1015; -1016;

Pkg 2



231021 Threaded Pin

Replacing: 2003527040
Servicing: 0001410016; -7; -9; -21; -22; -24; -29; -35; -37; -41; -44; -46; -49; -50; -52; -58; -61; -62; -63;
L. 69.50, **Thread** M8



231055 Terminal Lead

Replacing: 2004438000
Servicing: 0001410016; -7; -9; -21; -22; -24; -29; -35; -37; -41; -44; -46; -49; -50; -52; -58; -61; -62; -63;
I.D. 5.20, **Lead L.** 132.00

Pkg 10



231056 Terminal Lead

Replacing: 2004438002
Servicing: 0001410019; -22; -24; -37; -49; -50; -68; -69; -75; -77; -78; -87; -92; -101; -104; -109; -113; -11
I.D. 5.30, **Lead L.** 116.00

Pkg 5



231135 Retainer

O.D. 27.00

Pkg 10



231176 Screw

Replacing: 2914501038
Servicing: 0001370003; -4; -1004; -1005; -1006; -1007; -1008; -1009; -1010; -1012; -1013; -1014; -1015; -1016;
Thread L. 11.50, **L.** 15.70, **Thread** M5

Pkg 10



231275 Bolt

Replacing: 2003526051
Servicing: 0001370003; -4; -1004; -1006; -1008; -1018; -1019; -1020
L. 39.00, **Thread size front** M10, **Thread size rear** M10

Pkg 10



231343 Dust Seal

Replacing: 1000500094
Servicing: 0001121022; -3; -4020; -4021; -5016; -5017; -5018; -5019; -5046; -5047; -5048; -5049; -5053; -5054;
O.D. 40.00, **I.D.** 30.00, **H.** 2.70

Pkg 10



231596 Solenoid Screw

Replacing: 1003421015; 2003429072; 9001333448; 6033ac4017
Servicing: 0001106014; -407; -409; -410; -7003; -7004; -7007; -7008; -7020; -7021; -7022; -7023; -7025; -7026;
Thread L. 9.80, **L.** 35.60, **Thread** M5

Pkg 10



231646 Screw

Replacing: 2914551013
Servicing: 0001410017; -9; -22; -24; -35; -37; -44; -46; -49; -50; -52; -58; -61; -63; -67; -68; -69; -73; -75
Collar L. 13.85, **L.** 16.00, **Thread** M5

Pkg 10



231647 Rubber Rrain

Replacing: 6033ac0250; 6033ac1436; -622
Servicing: 0001218110; -35; -36; -37; -602; -620; -703; -710; -711; -712; -715; -716; -719; -722; -725; -728;
O.D. 5.65, **L.** 31.10

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



232189 Oil Seal

Replacing: 2000205001
Servicing: 0001364100; -1; -2; -4; -5; -6; -200; -201; -202; -203; -204; -205; -206; -5004; -5006; -5007; -500

Pkg 10



232978 Washer

O.D. 17.00, **I.D.** 8.00, **Th.** 0.30, **Material** Metal

Pkg 10



233631 Fixing Screw

Replacing: 9001333435; -49; 231874
Servicing: 0001218137; -9; -43; -44; -68; -70; -71; -72; -73; -78; -737; -768; -770; -771; -772; -820; -821; -
Thread L. 9.60, **L.** 40.00, **Thread** M5



233928 Terminal

Replacing: 2004449000
Servicing: 0001410019; -22; -23; -24; -25; -36; -37; -38; -50; -55; -64; -66; -68; -69; -75; -77; -78; -82; -8
L. 91.50, **Thread** M10
Terminal 31.

Pkg 10



233929 Lock Washer

O.D. 20.55, **I.D.** 10.20, **Th.** 5.35, **Material** Steel
Rod: Cargo 134441.

Pkg 10



233930 Nut

Servicing: Rod: Cargo 134441.
O.D. 16.85, **Thread** M10

Pkg 5



234078 Washer

Replacing: 2000101034
Servicing: 39,85x14x0,50mm 0001372001; -2; -3; -5; -6; -7; 9007044014
O.D. 40.00, **I.D.** 14.00, **Th.** 0.50, **Material** Steel

Pkg 10



234227 Fiber Washer

O.D. 35.60, **I.D.** 22.00, **Th.** 1.00, **Material** Fiber

Pkg 10



234487 Brake Washer

O.D. 23.00, **I.D.** 15.50, **Th.** 1.00



234786 Bolt

Replacing: 2003527023
Servicing: 0001371010; -3; -5; -6; -8; -2002; -2003; -2007; -2008
L. 20.00, **Thread size front** M5/M5, **Thread size rear** M5



234787 Cover

Replacing: 2000516014
Servicing: 0001371010; -3; -5; -6; -8; -2002; -2003; -2007; -2008
O.D. 37.60, **H.** 62.05

Pkg 5



234885 Gasket

W. 7.76/5.01



235295 Pin

Replacing: 2917570195
Servicing: 0001107076; -8107; -8123; -8153; -8166; -8167; -8189; -8402; -8411; -8412; -10063; -15002; -15007;

Pkg 10



235461 Spacer

Servicing: 0001107076; -8167

Pkg 10

235761 Gasket

Servicing: 0001106015; -7098; -7401; -7402; -7404; -7405; -7409; -7429; -7435; -7436; -7437; -8217; -8218; -92
Th. 3.00, **Material** Rubber

Pkg 5



238957 Bolt

Replacing: 236077; 238957
Servicing: 0001368011; -83
Collar L. 41.50, **Thread** M5/M8

Pkg 5



238958 Bolt

Servicing: 0001372001; -6; 001372006
Collar L. 40.70, **Thread** M5/M10

C.E. Covers



132217 Cover

Replacing: 2000520055
Servicing: 0001358200; -1; -2; -9002; -9003; -9008; -9010; -9014; -9016; -9019; -9020; -9025; -9026; -9027; -9



133488 C.E. Bracket

Replacing: 2000580121; -7; 132218; 2000580160
Servicing: 0001410016; -7; -9; -21; -22; -24; -29; -35; -37; -38; -41; -44; -46; -49; -50; -52; -58; -61; -62;



134440 C.E. Cover

Replacing: 2000580103
Servicing: 0001510001; -2; -3; -5; -8; -9; -10; -17; -18; -19; -20; -21; -22; -23; -24; -25; -26; -27; -28; -2



134540 Cover

Replacing: 2000520057
Servicing: 0001364100; -1; -2; -3; -4; -5; -6; -8; -200; -201; -202; -203; -204; -205; -206; -5004; -5006; -50
O.D. 116.00, **H.** 50.00



231278 C.E. Cover

Replacing: 2000034000; -1
Servicing: 0001370001; -2; -3; -4; -1001; -1004; -1005; -1006; -1007; -1008; -1009; -1010; -1012; -1013; -1014

Pkg 5



234335 End Cap

O.D. 23.60, **I.D.** 20.50, **H.** 14.20

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



235196 End Cover

Replacing: 1000520066; -74

Servicing: 00001115042; 0001106016; -9; -403; -404; -405; -406; -7009; -7015; -7039; -7044; -7063; -7066; -709

End Covers

Pkg 5



134683 C.E. Cap

Replacing: 2000556056; -7

Servicing: 0001362008; -34; -35; -36; -38; -39; -40; -41; -42; -43; -45; -46; -47; -48; -49; -50; -51; -52; -5

O.D. 40.00, **H.** 15.55

Pkg 5



137640 Cover

Replacing: 1000520026

Servicing: 0001208515; -7; -26; -28; -717; 9000333109; -17; B001208323; -38; -32021



137792 Cap

Replacing: 1000520033; 1005505012; 234233

Servicing: 0001108003; -74; -112; -125; -128; -130; -10040; -10052; -10108; B001111191; -347; -390; -399; -432

O.D. 30.00, **H.** 21.00

Pkg 10



138856 C.E. Closure Cap

Replacing: 1000505010

Servicing: 0001204102; -7001; -7003; -7005; -7009; -7015; -7016; -7017; -7020; -8006; -8007; -8017; -8018; -80

O.D. 32.00, **H.** 20.00

Pkg 10



139011 C.E. Closure Cap

Replacing: 1000520034; -40; -45; -49; -51; -59; -68; 1005520045; 139008; 1000520062; -9; -70; -75

Servicing: 0001106011; -2; -4; -5; -6; -7; -8; -9; -20; -22; -23; -24; -7003; -7004; -7005; -7006; -7007; -700

H. 19.50

Pkg 5



139294 C.E. Closure Cap

Replacing: 1000505013; -4; -5

Servicing: 0001112003; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21; -22

O.D. 28.00, **H.** 17.75

Pkg 10



139359 C.E. Retaining Cup

Replacing: 2000556090

Servicing: 0001362092; -6; -601; -3120; -3122; -3128; -3130; -8007; -8035; -8053; -8066; -8068; -8073; -8086;

O.D. 34.60, **H.** 14.30



231189 Cover

Replacing: 2000505001

Servicing: 0001157001; -3; -4; -5; -6; -8; -11; -12; -15; -18; -20; -23; -26; -28; -29; -60004; -60007; -60008

O.D. 29.90, **H.** 20.00

Pkg 5



233564 C.E. Cover

Replacing: 1000520055

Servicing: 0001116001; -3; -5; -6; -8; -9



234611 Cover

Replacing: 1000520054; -0; -72

Servicing: 0001108125; -8; -30; -47; -62; -10016; -10052; -10053; -10083; -10108; -24018; -24019; -25505; -255

O.D. 30.15, **H.** 16.75

Oil Seals

Pkg 10



131448 Oil Seal

Replacing: 2000283013; 06793

Servicing: 0001410032; -5; -43; -47; -49; -52; -58; -65; -74; -76; -77; -86; -91; -94; -102; -103; -107; -109;

O.D. 45.00, **I.D.** 33.00, **H.** 7.00

Assort. 803011; 803039

Pkg 5



135372 Oil Seal

Replacing: 2000283012; -5

Servicing: 0001510001; -2; -3; -5; -8; -9; -10; -17; -18; -19; -20; -21; -22; -23; -24; -25; -26; -27; -28; -2

O.D. 47.00, **I.D.** 35.00, **H.** 7.00

Assort. 803039

Pkg 5



135575 Oil Seal

Replacing: 2916740049

Servicing: 0001362321; -31; -3128; -3130; -7036; -7038; -7046; -7051; -7054; -7057; -7061; -7063; -8030; -8031

O.D. 27.00, **I.D.** 19.00, **H.** 6.00

Assort. 803039

Pkg 5



135579 Oil Seal

Replacing: 2000283016

Servicing: 0001359023; -31; -35; -50; -51; -54; -66; -89; -92; -98; -60023; -60036; -60040; -64103; -64108; B0

O.D. 32.00, **I.D.** 19.00, **H.** 7.00

Assort. 803039

Pkg 5



136665 Oil Seal

O.D. 35.00, **I.D.** 22.00, **H.** 7.00

Assort. 803039

Pkg 10



136857 Oil Seal

Replacing: 1000500078; -84

Servicing: 0001121001; -2; -3; -6; -7; -10; -11; -3001; -4001; -4002; -4003; -4004; -4005; -4006; -4007; -4008

O.D. 38.00, **I.D.** 30.00, **H.** 2.60

Pkg 10



137177 Oil Seal

Replacing: 1000221000

Servicing: 0001212005; -6; -11; -200; -202; -204; -208; -209; -211; -212; -213; -214; -402; -403; 0001312100;

O.D. 37.00, **I.D.** 25.00, **H.** 3.55

Assort. 803039

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



230448 I.M. Gasket

Replacing: 9001453583
Servicing: 0001370001; -1004; -1005; -1006; -1007; -1008; -1009; -1012; -1014; -1017; -1018; -1020; 9000453029
O.D. 32.00, **I.D.** 20.00, **H.** 6.30

Pkg 10



233545 Oil Seal

Replacing: 1000500091; -2
Servicing: 0001121001; -2; -3; -6; -7; -8; -9; -10; -11; -16; -17; -18; -19; -24; -25; -26; -27; -28; -29; -30
Th. 2.50
Assort. 803039



236644 Oil Seal

Replacing: 6033AC0285
Servicing: 0001230014; -1019; -1028; 6033AD3169; -4049
O.D. 72.25, **I.D.** 54.10, **H.** 4.10

Pkg 10



237766 Oil Seal

Servicing: 0001241001; -3; -4; -5; -6; -7; -14; -15; -19; -20
O.D. 40.00, **I.D.** 30.00, **Th.** 7.00

Pkg 10



239111 Gasket

Replacing: 6033AC0424
Servicing: 0001330001; -3; -4; -5; -6; -7; -8; -11; -12; -13; -40501; -40502; -40503
O.D. 42.00, **I.D.** 26.00, **H.** 7.00



239112 Gasket Kit

Replacing: 6033ad6014
Servicing: 0001330001; -3; -4; -5; -6; -7; -8; -11; -12; -13

O - rings

Pkg 10



136340 O-Ring

Replacing: 2000210028; 1916272
Servicing: 0001358202; -9002; -9003; -9008; -9010; -9014; -9016; -9020; -9025; -9027; -9030; -9031; -9032; -90
I.D. 105.00, **Th.** 4.00

Pkg 5



136690 O-Ring

I.D. 83.00, **Th.** 3.00

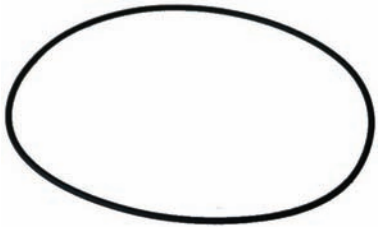
Pkg 5



136691 O-Ring

I.D. 123.00, **Th.** 3.00

Pkg 10



230447 O-Ring

Replacing: 2000210095
Servicing: 0001370002; -1004; -1005; -1006; -1007; -1008; -1009; -1012; -1014; -1017; -1018; -1020
I.D. 105.00, **Th.** 2.00

Pkg 10



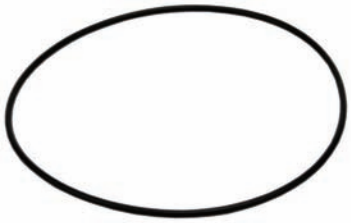
230634 O-Ring

Replacing: 1900210142

Servicing: 0001370002; -3; -4; -1004; -1005; -1006; -1007; -1008; -1009; -1010; -1012; -1013; -1014; -1015; -1

I.D. 40.00, **Th.** 2.50

Pkg 5



237603 O-Ring

Replacing: 9003330205

Servicing: 0001230001; -13; -27; -1001; -1002; -1006; -1014; -1018; -1033; -1040; -1041; -41001; -41005; -6000

O.D. 90.00, **Th.** 2.00

Rods



131443 Rod/Plunger

Replacing: 2003050052; -6; -8; -75; 2007010045; 06703; 16.110.010

Servicing: 0001410016; -7; -9; -21; -22; -24; -35; -37; -41; -44; -46; -49; -50; -52; -58; -61; -63; -67; -68;

L. 325.00



132802 Rod/Plunger

Replacing: 2003050076

Servicing: 0001410029; -62; -3001; -3003; -3004; -3005; -3006; -3007; -3008; -3009; -3010; -3011; -3012; -3013

L. 290.00



132843 Rod

Replacing: 2003050040

Servicing: 0001417001; -2; -5; -6; -7; -8; -12; -13; -14; -15; -16; -18; -19; -21; -22; -23; -24; -25; -26; -2

L. 310.00



134441 Plunger Rod

Replacing: 2003050077; 2007010048

Servicing: 0001510001; -2; -3; -5; -8; -9; -10; -17; -18; -19; -20; -21; -23; -25; -26; -27; -28; -29; -31; -3

L. 360.00, **Th.** 10.00

Nut: Cargo 233930. Lock Washer: Cargo 233929.



231556 Rod/Plunger

Replacing: 2003524013

Servicing: 0001401046; -9; -50; -67; -69; -71; -73; -2008; -2018; -2050; -2054; -2065; -2075; -2081; Q00140200

L. 200.00

Thru Bolts

Pkg 10



134561 Bolt

Replacing: 9001333520; -1

Servicing: 0001218002; -3; -7; -9; -10; -14; -19; -20; -23; -26; -101; -102; -103; -104; -105; -121; -125; -12

L. 170.00, **Thread size front** M6, **Thread size rear** M6

Pkg 10



134617 Thru Bolt

Replacing: 1003527132; -49

Servicing: 0001108166; -7; -10003; -10009; -10010; -10012; -10013; -10019; -10022; -10023; -10026; -10027; -10

L. 180.00, **Thread size front** M5/M6, **Thread size rear** M5

Pkg 5



135552 Thru Bolt

Replacing: 2003526006; -43

Servicing: 0001367001; -2; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21;

L. 210.00, **Thread size front** M6, **Thread size rear** M6

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



135782 Thru Bolt

Replacing: 1003527103; -35
Servicing: 0001108018; -28; -29; -38; -39; -42; -47; -54; -65; -66; -69; -76; -77; -78; -79; -104; -148; -997;
L. 135.50, **Thread size front** M5, **Thread size rear** M5

Pkg 10



135859 Thru Bolt

Replacing: 2003410065
Servicing: 0001359002; -3; -8; -10; -14; -16; -20; -23; -25; -27; -30; -32; -33; -41; -45; -51; -53; -56; -60;
L. 195.00, **Thread size front** M6, **Thread size rear** M6
Self-locking flange nut: Cargo 191308.

Pkg 10



135982 Thru Bolt

Replacing: 1003527105; m981s70202
Servicing: 0001208516; -9; -707; -11207; -11208; -11216; -11218; -11219; -11233; -11234; -11247; -11248; -1125
L. 138.00, **Thread size front** M5, **Thread size rear** M5

Pkg 5



136288 Thru Bolt

Replacing: 1003527121
Servicing: 0001316001; -2; -10; -7013; -7022; -7025; B001328004; -27; -9014; -9045
L. 185.00, **Thread size front** M6, **Thread size rear** M6

Pkg 4



136698 Thru Bolt

Replacing: 2003526040
Servicing: 0001420001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -24; -25; -26; -27; -28;
L. 80.00, **Thread size front** M5, **Thread size rear** M5

Pkg 2



137179 Thru Bolt

Replacing: 9001333517; -8
Servicing: 0001218011; -2; -8; -24; -27; -28; -103; -113; -114; -115; -122; -135; -136; -143; -144; -159; -161
L. 180.00, **Thread size front** M6, **Thread size rear** M6



139116 Thru Bolt

Replacing: 1003527127
Servicing: 0001208709; -10; -11; -12; -13; -14; B001232012; -7; -9
L. 121.00, **Thread size front** M6, **Thread size rear** M6



139553 Thru Bolt

Replacing: 2003410077; 2003450032
Servicing: 0001364100; -1; -2; -3; -4; -5; -200; -201; -203; -205; -206; -5004; -5006; -5007; -5008; B00181900
Collar L. 214.45, **L.** 218.00, **Thread** M6, **Thread size front** M6

Pkg 2



139991 Thru Bolt

Replacing: 1003527151
Servicing: 0001107043; -13010
L. 136.00/153.00, **Thread size front** M5/M6, **Thread size rear** M6

Pkg 100



191585 Thru Bolt

Replacing: 1003410115; 1003450013; 1004450013; 1123429203; m981d73205; 949042-1840; 135936; -83; 1003450010; -4

Servicing: 0001107032; -4; -45; -56; -62; -63; -66; -67; -76; -78; -83; -87; -89; -91; -97; -101; -102; -108;

L. 135.00, **Thread L.** 60.00, **Thread** M5

Pkg 2



230453 Thru Bolt

Replacing: 1003450012; -28; -53

Servicing: 0001109069; -70; -252; -262; -263; -264; -271; -272; -273; -274; -10001; -10002; -10004; -10005; -1

Collar L. 161.55, **L.** 165.00, **Thread** M5

Pkg 2



230615 Thru Bolt

Replacing: 2003526032; -45

Servicing: 0001372001; -2; -3; -4; -5; -6; -7; -8; 0001413001; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13;

L. 215.00, **Thread size front** M6, **Thread size rear** M6

Pkg 2



230701 Thru Bolt

Replacing: 1003450014; -30

Servicing: 0001106016; -20; -7003; -7004; -7007; -7008; -7009; -7010; -7011; -7015; -7019; -7020; -7021; -7022

Collar L. 115.00, **L.** 119.55, **Thread** M5

Pkg 2



230702 Thru Bolt

Replacing: 1003527038

Servicing: 0001107054; -5; -68; -69; -73; -74

L. 164.00, **Thread size front** M5, **Thread size rear** M5

Pkg 2



230708 Thru Bolt

Replacing: 1003450018; -29; -50

Servicing: 0001108156; -7; -62; -66; -67; -69; -71; -72; -73; -76; -78; -80; -81; -82; -83; -84; -86; -88; -90

Collar L. 149.00, **L.** 150.00, **Thread** M5

Pkg 2



230726 Thru Bolt

Replacing: 2003415003; 9001333446; 6033AC3116

Servicing: 0001230001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -18; -20; -21; -22;

Collar L. 170.00, **L.** 175.00, **Thread** M6

Pkg 2



230730 Thru Bolt

Replacing: 2003526023; -44

Servicing: 0001362001; -2; -5; -6; -8; -9; -10; -12; -14; -15; -18; -19; -20; -23; -26; -31; -32; -34; -35; -3

L. 181.00, **Thread size front** M6, **Thread size rear** M6

Pkg 2



230772 Thru Bolt

Replacing: 1003450015; -42; -52

Servicing: 0001106011; -5; -8; -9; -403; -404; -405; -406; -407; -409; -410; -7005; -7006; -7016; -7025; -7026

Collar L. 118.65, **L.** 119.00, **Thread** M5

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



231018 Thru Bolt

Replacing: 2003526008

Servicing: 0001413001; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -17; -18; -4001; -4002; -4003; -40

L. 162.00, **Thread size front** M6, **Thread size rear** M6

Pkg 5



231019 Thru Bolt

Replacing: 2003526015

Servicing: 0001411026; -7001; -7002; -7005; -7006; -7007; -7008; -7012; -7013; -7014; -7015; -7016; -7018; -70

L. 182.00, **Thread size front** M6, **Thread size rear** M6

Pkg 5



231020 Thru Bolt

Replacing: 2003526018

Servicing: 0001411026; -7001; -7002; -7005; -7006; -7007; -7008; -7012; -7013; -7014; -7015; -7016; -7018; -70

L. 231.00, **Thread size front** M6, **Thread size rear** M6

Pkg 5



231022 Thru Bolt

Replacing: 9001333417; -41

Servicing: 0001218004; -5; -8; -12; -13; -16; -17; -18; -21; -22; -25; -29; -100; -106; -107; -108; -109; -110

Collar L. 153.45, **L.** 160.00, **Thread** M6

Pkg 5



231173 Thru Bolt

Replacing: 1003527024; -37

Servicing: 0001110009; -10; -26; -27; -53; -60; -65; -66; -67; -71; -72; -79; -89; -91; -95; -100; -101; -104;

L. 162.00/182.00, **Thread size front** M5/M6, **Thread size rear** M5

Pkg 2



231259 Thru Bolt

Replacing: 1003450023; -41; -54

Servicing: 0001108208; -9; -11; -12; -9034; -9204; -9340; -9341; -15001; -15005; -15006; -15008; -15009; -1501

Collar L. 155.35, **L.** 156.00, **Thread** M5

Pkg 2



231277 Thru Bolt

Replacing: 2003415001

Servicing: 0001370003; -4; -1004; -1005; -1006; -1007; -1008; -1009; -1010; -1012; -1013; -1014; -1015; -1016;

Collar L. 203.75, **L.** 204.00, **Thread** M6

Pkg 10



231627 Thru Bolt

Replacing: 949042-2270; 949042-3741; 2123410003; res14638

Servicing: 0120689519; -29; -36; -37; -44; -47; -54; -56; -60; -89; -90; 028000-4800; -5300; -5301; -5510; -55

Collar L. 180.20, **L.** 186.10, **Thread** M6

Pkg 10



231654 Thru Bolt

Replacing: 1003527114

Servicing: 0001311100; -3; -8; -13; -14; -25; -27; -38; -46; -47; -48; -50; -51; -52; B001211051; B001311055;

L. 149.00/166.00, **Thread size front** M6, **Thread size rear** M6

Pkg 2



231708 Thru Bolt

Replacing: 2003526042

Servicing: 0001369006; -7; -14; -15; -16; -17; -18; -19; -20; -21; -23; -24; -25; -200; -201; 9007044014; B001

L. 175.00/192.00, **Thread size front** M6, **Thread size rear** M6

Pkg 10



233573 Spacer

Replacing: 1000516004; -7

Servicing: 0001107018; -41; -43; -47; -8021; -8048; -8053; -8063; -8081; -8085; -8093; -8107; -8126; -8136; -8

Collar O.D. 19.70, **O.D.** 19.70, **I.D.** 5.30, **L.** 6.00, **Material** Steel

---

Pkg 10



234050 Thru Bolt

Replacing: 1003527036; -43; -158

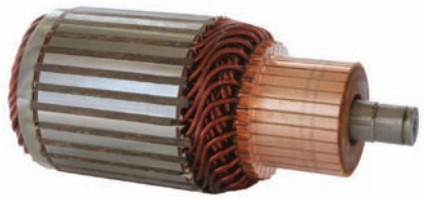
Servicing: 0001108011; -172; -199; -411; -412; -9011; -9015; -9033; -9042; -9052; -9055; -9057; -9058; -9061;

L. 150.00/168.00, **Thread size front** M5/M6, **Thread size rear** M5

Spacer: Cargo 233573.

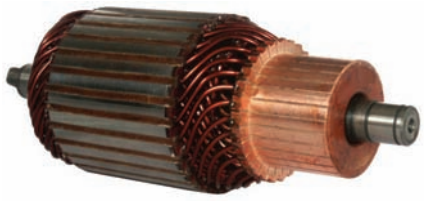
Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Armatures



137091 Armature

Replacing: 2134014178
Servicing: 0136355072; -4; -7; -8; B136364072; -6; -81
V. 24, **kW.** 1.5, **Core OD** 73.10, **Shaft L.** 173.85



137093 Armature

Replacing: 2134014170; -5; -80
Servicing: 0136355050; -7; -8; -9; -60; -61; -64; -67; -68; -70; -71; -76; B136364075
V. 24, **kW.** 1.5, **Core OD** 73.12, **Shaft L.** 204.90

Brush Sets



140918 Brush Set

Replacing: 2137014038
Servicing: 0136352005; -5049; -5050; -5057; -5058; -5059; -5060; -5061; -5064; -5065; -5066; -5067; -5068; -50
V. 24, **L.** 25.50, **Th.** 8.90, **H.** 25.85, **No. of brushes** 4
1.5/2.5 kW.

Armatures



130338 Armature

Replacing: 2014003900; -2; 06195; 2014003000

Servicing: 0010300002; -4; -100; -101

V. 12, **kW.** 0.9, **Core OD** 60.10, **Shaft L.** 230.60

11 Amp.

Regulators



130047 Regulator

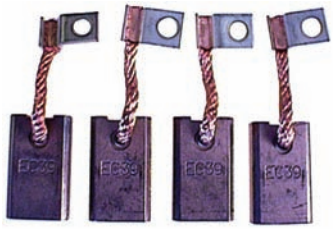
Replacing: 0190215007; -8; -12; -14; -15; -16; -27; -28; -29; -37; 0190350009; -45; 11.125.078; 130337; 9190215

Servicing: 0010300100; 0101209033; LJ/GEH90/12/1800F

V. 12, **Amp.** 11, **Watt** 90, **Terminal type** D+ - DF-B+, **Regulator type** Electronic, **Insulated return** No

Cargo 130047 replaces Cargo 130337.

Brush Sets



bx1884 Brush Set

Replacing: 2017014102; -4; -5

Servicing: 0010300004; -100; -101; -50003; -50004; -50005; -50006; -50007; -50009; -50011; -50013; -50014; -50

V. 12, **L.** 23.05, **Th.** 6.00, **H.** 13.95, **No. of brushes** 4

nox292p Brush Set

Replacing: 1027014106

V. 12, **L.** 21.90, **Th.** 5.70, **H.** 9.95, **No. of brushes** 4

Bearings

Pkg 10



140086 Bearing 6202/zz

Replacing: 1900905226; -8; -44; 6220-693; 954293; 68933; 85218; 62022zrc3; 057382; 076001; 6202zz

Servicing: 0010350013; -4; 0136352005; -5049; -5050; -5053; -5054; -5055; -5057; -5058; -5059; -5060; -5061; -

O.D. 35.00, **I.D.** 15.00, **H.** 10.00

Rotor Parts

Pkg 10



132324 Key

Replacing: 1900023008; 04009

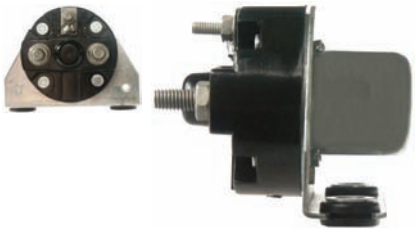
Servicing: 0010300100; -50009; -50011; -50100; -50101; -50102; 0101302029; -56006; 0136352005; 0136402002; -3;

L. 16.00, **Th.** 4.00, **W.** 6.50

Assort. 802013; 802017; 802028

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Solenoids

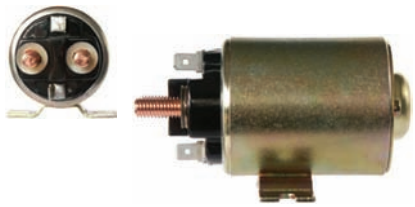


130336 Solenoid

Replacing: 0332002001; -2; -4; -102; -103; -104; -160; 19025654; 06020

V. 12, **Amp.** 100, **B+** M6, **Seconds** 60, **Coil bolt** M6 Stel

---

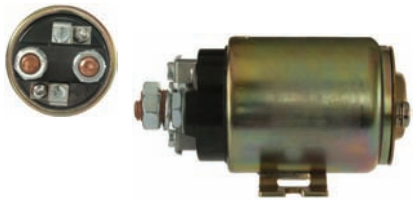


131371 Solenoid

Replacing: 0333006006; 19024759; 12680

Servicing: 333006006

V. 24, **Amp.** 80, **B+** M8, **Intermittent load** 500 Amp., **Seconds** 5 sek, **Coil bolt** M8
Silver contacts.



131373 Solenoid

Replacing: 0333009004; 19024761; 12700

Servicing: 333009004

V. 12, **Amp.** 150, **B+** M8, **Intermittent load** 800 Amp., **Seconds** 5, **Coil bolt** M8
Silver contacts.

Armatures



234204 Armature

Replacing: 692034; 497603; 691427
Servicing: 282700; 693551; -5479
V. 12, **Core OD** 55.00, **Shaft L.** 167.00



234210 Armature

Replacing: 390837; 392747
Servicing: 390838
Core OD 55.00, **Shaft L.** 166.00

Yokes w/magnets



234212 Field Case

Replacing: 497604; 693757
Servicing: 693551
O.D. 78.55, **L.** 96.84/3 13.00/16", **Brush gear** w/o, **Magnets** With



234471 Field Case

O.D. 78.50, **L.** 97.20/3.83", **Brush gear** w/o, **Magnets** With



234472 Field Case

O.D. 78.40, **L.** 108/4.25", **Brush gear** w/o, **Magnets** With

D.E. Brackets



234467 D.E. Bracket

Belt adj. hole 8.65, **Holder arm** 8.65



234468 D.E. Bracket

Belt adj. hole 8.35, **Holder arm** 8.35



234469 D.E. Bracket

Belt adj. hole 7.75, **Holder arm** 8.15



234470 D.E. Bracket

Solenoids



230697 Solenoid

Replacing: 2250-57003; 23343-l6000; 691293
Servicing: S24-64E; -5-64E
V. 24, **B+** M8, **Coil bolt** M8

Drives



235627 Gear Pinion

Replacing: 693713
Servicing: 693551; -2; -5479
O.D. 40.83, **I.D.** 16.35, **L.** 13.53, **Shaft L.** 2.30, **No. of teeth** 14, **Splines** 2, **Rotation** ACR, **Drive type** Bronze

Drive Parts



137278 Drive

Replacing: 391461
Servicing: 0196540mo30sm; 390838
No. of teeth 16, **Drive type** Steel
Gear: Cargo 139395.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



139395 Pinion

Replacing: 280104; 693059; 280104
Servicing: 390838
O.D. 41.00, **I.D.** 20.50, **H.** 11.50,
No. of teeth 16, **Splines** 2



139417 Pinion / Spring Kit

Replacing: 490467; 495877
O.D. 40.00, **I.D.** 16.20, **H.** 11.55,
No. of teeth 16, **Splines** 3
Gear: Cargo 139395.



139418 Drive Kit

Replacing: 490421; 393254; 396865; 490771; 495878

Gear: Cargo 139395.



230398 Drive Kit

Replacing: 490768



230399 Drive Kit

Replacing: 491836; 6024140ge30sm
Servicing: 490753; -5104; 6013840Mo30SM; 6019440mo30sm
O.D. 40.00, **L.** 19.50, **No. of teeth** 16



230400 Drive Kit

Replacing: 497606
O.D. 41.00, **L.** 11.50, **No. of teeth** 16
w/ snap ring.



231161 Drive

Replacing: 281127; 691918
O.D. 66.00, **I.D.** 16.15, **H.** 11.40,
No. of teeth 19, **Splines** 2
Anti CW rotation.

Planet Gears

Gear Parts

Pinions



234465 Pinion

Replacing: 491308; 497453
O.D. 58.40/2.30", **I.D.** 15.90, **H.** 11.40/0.45",
No. of teeth 24, **Splines** 2



234466 Pinion

O.D. 40.60/1.60", **I.D.** 15.90, **H.** 19.80/0.78",
No. of teeth 16, **Splines** 2

Clutches



234211 Drive Clutch

Replacing: 398003; 692024; 391135
Servicing: 693551; -2; -5479

Brush Gears



230397 Brush Gear

Replacing: 497605

Servicing: 390838; 693551; -2; -5479

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

---



234209 Brush Gear

Replacing: 395537

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

---

Brush gears parts

Brush Holders



230402 Brush Holder

Servicing: 0228940mo30sm; 0246540mo30sm; 0246640MO30SM; 1791640MO30SM; 1791740MO30SM; 2020740mo30sm; 2030940mo

Brush w/o, **Spring terminal** w/o

Brush Sets



141049 Brush Set

Replacing: 497608

Servicing: 693551; -2; -5479

V. 12, **L.** 12.06, **Th.** 7.04, **H.** 9.42, **No. of brushes** 4



141052 Brush Set

Replacing: 490311

Servicing: 490753

V. 12, **L.** 15.54, **Th.** 9.42, **H.** 12.64, **No. of brushes** 4



141053 Brush Set

Replacing: 391705; -91

Servicing: 390838

V. 12, **L.** 9.50, **Th.** 6.30, **H.** 12.50, **No. of brushes** 4

Bushings

Pkg 10



141050 Bushinging

Collar O.D. 18.80, **O.D.** 14.30, **I.D.** 9.60, **L.** 9.45, **Material** Steel

---

Pkg 10



141051 Bushinging

O.D. 18.24, **I.D.** 12.51, **L.** 12.68, **Type** Mounting, **Material** Copper

---



141077 Bushinging

Collar O.D. 24.00, **O.D.** 19.04, **I.D.** 12.55, **L.** 13.45, **Material** Steel

---

Pkg 10



141078 Bushinging

O.D. 19.05, **I.D.** 12.55, **L.** 11.90, **Material** Steel

Pkg 5



141218 Bushinging

O.D. 14.35, **I.D.** 9.60, **L.** 9.60, **Material** Copper

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Armatures



134108 Armature

Replacing: 850261; -2; 852529; 851330; 852506

Servicing: 850277; -604; -606; -628; -811; -894; -1002; 851004A; 851124; -339; -515; -539; -2563; -2651; -4139

V. 24, **kW.** 7.0, **Core OD** 82.60, **Shaft L.** 449.40, **Splines** 19



134109 Armature

Replacing: 850200; 856496

Servicing: 850461; -534; -598; -615; -1360; -1450; -1483; -2650; -4082; MS3; MS3/25; -7; MS3/3; MS3/31; -6; -4

V. 24, **kW.** 6.0, **Core OD** 82.50, **Shaft L.** 406.60, **Splines** 19, **Rotation** CR/ACR



134110 Armature

Replacing: 850763

Servicing: MS3/30; -55; MS3/7; ms3a

V. 24, **kW.** 6.0, **Core OD** 82.60, **Shaft L.** 406.60, **Splines** 19, **Rotation** CR/ACR



136401 Armature

Replacing: 856225

Servicing: GR45; GR45/10; -3; -4; -5; -6; -7; -8; -9; GR45/2; -3; -5; -6; -7; -8; -9

V. 24, **kW.** 4.5, **Core OD** 60.10, **Shaft L.** 188.30, **No. of teeth** 8



233966 Armature

Replacing: 589134; 859134

Servicing: LNS4524/11; -2; -3; -4; -5; -6; -7; -8; -9; -20; -21; LNS4524/5; -6; -7; -8; -9

V. 24, **kW.** 4.5, **Core OD** 80.00, **Shaft L.** 347.00, **Splines** 3

Field Coils



134111 Field Coil

Replacing: 850187; 851133

Servicing: 850277; -604; -606; -628; -811; -894; -1002; 851004A; 851124; -339; -515; -539; -2563; -2651; -4139

V. 24, **kW.** 7.0, **H.** 159.00, **Brush gear** w/o



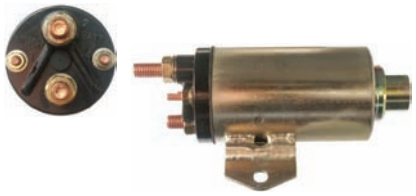
134112 Field Coil

Replacing: 850594

Servicing: 850461; -534; -598; -615; -1360; -1450; -1483; -2650; -4082; MS3; MS3/25; -7; MS3/3; MS3/30; -1; -6

V. 24, **kW.** 6.0, **H.** 122.40, **Brush gear** w/o

Solenoids



132140 Solenoid

Replacing: 850686; 77452; 855248; -528; 856025; -121

Servicing: 850277; -461; -534; -598; -604; -606; -615; -628; -811; -894; -1002; 851004A; 851124; -339; -360; -

V. 24, **B+** M14-1.5, **Coil bolt** M14-1.5

Cap: Cargo 132141. Moving contact: Cargo 132142. Insulated return.

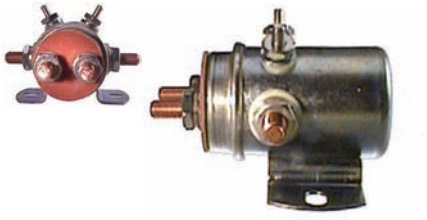


136400 Solenoid

Replacing: 856407; 0-47100-3660

Servicing: GR2; GR45; GR45/10; -7; -8; -9; GR45/2; -3; -9

V. 24, **B+** M12, **Coil bolt** M8



137766 Solenoid

Replacing: 15-326; SBD-4401; 860867
V. 24, **Amp.** 100, **B+** M8,
Intermittent load 600, **Seconds** 5,
Coil bolt M8



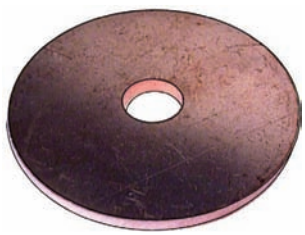
138984 Solenoid

Replacing: 859420
Servicing: LNS4524; LNS4524/11; -2; -3; -4; -5; -6; -7; -8; -9; -20; -21; LNS4524/5; -6; -7; -8; -9
V. 24, **B+** M10, **Coil bolt** M8

Solenoid Parts

Moving Contacts

Pkg 5



132142 Moving Contact

Replacing: 850689; 77461
Servicing: 850277; -461; -534; -598; -604; -606; -615; -628; -811; -894; -1002; 851004A; 851124; -339; -360; -
Th. 3.00, **W.** 50.15, **Material** Copper
12V./24V.

Drives



130539 Drive

Replacing: 852962; 1p2508; 1894211; 1935487; 1945487; 1952083; 1955777; 1960370; 1967779; 1976884; 800066; 8306
Servicing: 40MT, 42MT, 50MT. 10461041; -5; -7; -8; -78800; -78802; -78807; -78808; -78809; -78810; -78813; -788
O.D. 56.50, **I.D.** 15.90, **L.** 120.40, **Shaft L.** 15.90/5/8", **No. of teeth** 11, **Splines** 19, **Rotation** CR, **Drive type** Bronze



131766 Drive

Replacing: 850363; -758; 852758; -957; 4n4517; 1914341; 1921998; 1928998; 1932526; -45; -605; 10648; e480410; 5
Servicing: 40MT. 1108987; -9158; -9169; -9170; -9172; -9178; -9184; -9229; -9230; -9233; -9235; -9236; -9249; -
O.D. 46.30, **I.D.** 19.00/3/4", **L.** 120.40/4.740", **Shaft L.** 19.00/0.748", **No. of teeth** 12, **Splines** 19, **Rotation** CR, **Drive type** Bronze



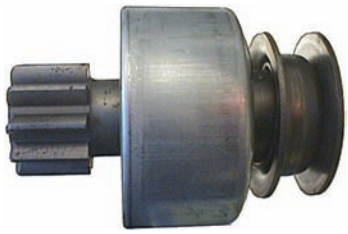
131767 Drive

Replacing: 9001453670; 850674; -764; 852759; -958; 1846089; 1946089; 830622; 480217; -324; e480324; 1.01.0491.1
Servicing: 40MT, 50MT. 0001370001; 1113385; -408; -445; -474; -533; -693; -4195; 9000453029; -66; B001851001; M
O.D. 38.80, **I.D.** 15.90/5/8", **L.** 120.40, **No. of teeth** 10, **Splines** 19, **Rotation** CR, **Drive type** Steel



131768 Drive

Replacing: 2006202001; -3; 850629; -760; 852760; -959; 1918079; 1932031; 1985129; d2021; 10647; 480320; e480320
Servicing: 40MT. 0001370002; 0001420002; -6; -7; -8; -10; -11; -26; -27; -1007; -1009; -1010; 1108894; -5; -923
O.D. 56.50, **I.D.** 19.00/3/4", **L.** 120.40/4.740", **Shaft L.** 19.00/0.748", **No. of teeth** 11, **Splines** 19, **Rotation** CR, **Drive type** Steel



136402 Drive

Replacing: 856938
Servicing: GR45/18; GR45/2; -9
O.D. 31.00, **I.D.** 14.15, **L.** 90.60, **No. of teeth** 10, **Splines** 12, **Rotation** CR, **Drive type** Steel



231043 Drive

Replacing: 859266
Servicing: 859432; -3; LNS4524/7; -8
O.D. 38.50, **I.D.** 14.20, **L.** 106.00, **No. of teeth** 10, **Splines** 3, **Rotation** CR, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



232228 Drive

Replacing: 859145; 1.01.0968.3; 10672

Servicing: LNS4524/11; -23; -24; -26; LNS4524/5; -6

O.D. 31.00, **I.D.** 14.35, **L.** 107.00, **No. of teeth** 10, **Splines** 3, **Rotation** CR, **Drive type** Steel

Levers



136399 Lever

Replacing: 850248; 858873; 854058

Servicing: ms1; MS1/100; -1; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -16; -17; -18; -19; -20;

L. 123.60, **Lever** 1



136403 Lever

Replacing: 856356

Servicing: GR45; GR45/10; -3; -4; -5; -6; -7; -8; -9; GR45/2; -3; -5; -6; -7; -8; -9

L. 114.65, **Lever** 1

Brush Sets

Pkg 5



140549 Brush Set

Replacing: 856412; -6; 1-81116041-0; -2-0; -3-0; jnksx-20; 0-23740-0110; -80; 1-23740-0120; -70

Servicing: 0-23000-1030; -1; -3; -50; -60; -70; -71; -80; -100; -160; -170; -231; -240; -270; -290; -310; -320

V. 24, **L.** 20.90, **Th.** 7.75, **H.** 24.75, **No. of brushes** 4



141200 Brush Set

Replacing: 859091; -0

Servicing: LNS4524/11; -2; -3; -4; -5; -6; -7; -8; -9; -20; -21; LNS4524/5; -6; -7; -8; -9

V. 24, **L.** 20.65, **Th.** 9.45, **H.** 19.20, **No. of brushes** 4



butsx44 Brush Set

Replacing: 850749

Servicing: 850277; -461; -534; -598; -604; -606; -615; -628; -811; -894; -1002; 851004A; 851124; -339; -360; -

V. 24, **L.** 21.00, **Th.** 9.50, **H.** 20.40, **No. of brushes** 4

Bushings

Pkg 10



140402 Bearing Bushinging

Replacing: 850139; 855174

Servicing: 850277; -461; -534; -598; -604; -606; -615; -628; -811; -894; -1002; 851004A; 851124; -339; -360; -

O.D. 28.60, **I.D.** 22.25, **L.** 31.65, **Type** Standard, **Material** Copper

Pkg 10



140403 Bearing Bushinging

Replacing: 850141

Servicing: 850277; -461; -534; -598; -604; -606; -615; -628; -811; -894; -1002; 851004A; 851124; -339; -360; -

O.D. 25.40, **I.D.** 19.10, **L.** 19.00, **Type** Standard, **Material** Copper

Pkg 5



140521 Bearing Bushinging

Replacing: 1-81129291-0; fbnk-31; 1-23351-0060; 7-23351-0060; 856476

Servicing: 0-23000-6071; -2; -91; -103; -140; -150; -160; -170; -181; -211; -222; -225; -250; -300; -310; -470

O.D. 17.50, **I.D.** 14.03, **L.** 19.00, **Material** Copper

Pkg 5



141201 D.E. Bushinging

Replacing: 859077

Servicing: LNS4524/11; -2; -3; -4; -5; -6; -7; -8; -9; -20; -21; LNS4524/5; -6; -7; -8; -9

O.D. 17.49, **I.D.** 14.30, **L.** 17.97, **Material** Copper

Sundry Parts

Pkg 4



136411 Pole Shoe Screw

Replacing: 850184

Servicing: LNS4524/11; -2; -3; -4; -5; -6; -7; -8; -9; -20; -21; LNS4524/5; -6; -7; -8; -9; MS1; ms1-327a; MS1

Thread L. 12.40, **L.** 18.70, **Thread** M10



136412 Rubber Boot

Replacing: 850733; 71163; 95146; 77491; 225313

Servicing: MS1; MS1/100; -1; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -16; -17; -18; -19; -20;

O.D. 52.35, **H.** 43.35

Pkg 5



136414 Thrust Washer

Replacing: 850147

Servicing: MS1; ms1-327a; MS1/100; -1; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -16; -17; -18;

O.D. 33.30, **I.D.** 19.50, **Th.** 3.20, **Material** Fiber

Pkg 5



136415 Thrust Washer

Replacing: 850148

Servicing: MS1; ms1-327a; MS1/100; -1; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -16; -17; -18;

O.D. 38.20, **I.D.** 22.00, **Th.** 1.60, **Material** Fiber

Pkg 5



139895 Oil Seal

Replacing: 850137

Servicing: MS1; ms1-327a; MS1/100; -1; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -16; -17; -18;

O.D. 28.60, **I.D.** 22.20, **H.** 3.80

Pkg 10



139896 Wick

Replacing: 850154

Servicing: MS1; ms1-327a; MS1/100; -1; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -16; -17; -18;

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Solenoids

Solenoid Parts

Solenoid Caps

Pkg 5



131847 Solenoid Cap

Replacing: zm-57891; 132278; 131847
O.D. 54.20, **No. of leads** 4, **Bracket type** Crimp

Moving Contacts

Pkg 5



132276 Moving Contact

Replacing: 132301; -276
Servicing: 1109305
L. 36.00, **Th.** 2.00, **W.** 15.00, **Shaft** 31.60,
Material Silver plated brass
Assort. 803035

Armatures



130136 Armature

Replacing: 6211-26; 6211-26b; a889; 6211-270

Servicing: 1320027; -8; -35; -36; -45; -92; -161; -183; -502; -513; -552; -571; -601; -702; -810; -830; -902;

V. 12, **kW.** 3.6, **Core OD** 75.00, **Shaft L.** 359.00, **Splines** 3, **Rotation** CR



130137 Armature

Replacing: 6211-144; 6211-144b; a948; 6211-225; 6211-225a; -b

Servicing: 1321021; -32; -33; -41; -112; -182; -471; -491; -552; -580; -600; -700; -780; 1321F022; -32; -33; -

V. 24, **kW.** 5.2, **Core OD** 75.00, **Shaft L.** 358.00, **Splines** 3, **Rotation** CR
6 holes.



131488 Armature

Replacing: 5549-713d; a510; -9

Servicing: 1373360; -90; -400; -404; -407; -82013; -82014; -82033; -82034; -82052; -82091; -82102; -82133; -82

V. 24, **kW.** 4.5, **Core OD** 95.00, **Shaft L.** 397.00



131657 Armature

Replacing: 5586-194; a368; -505

V. 24, **kW.** 4.0, **Core OD** 82.00, **Shaft L.** 364.00



134085 Armature

Replacing: 6211-26a; -c

Servicing: 1320075; -142; -294; -352; -531; -662; 1320F075; -92; -142; -294; -352; -531; -662; -G075; -G142; -

V. 12, **kW.** 3.6, **Core OD** 74.65, **Shaft L.** 355.70, **Splines** 3, **Rotation** ACR
4 holes.



134086 Armature

Replacing: 6211-144a; -c

Servicing: 1321292; -352; -531; 1321F292; -352; -532; -893; -G140; -G292; -G352; -G532; -G908; CA45D24-29M; -3

V. 24, **kW.** 5.2, **Core OD** 74.65, **Shaft L.** 355.60, **Splines** 3, **Rotation** ACR



134785 Armature

Replacing: 6211-127d; 6332-a1441; a1003; 6332-a1449

Servicing: 1321G936; 1327430; -40; -620; CA45G24-125M; S11524-23; -3M; -4M; S115A24-11M; -5M; S115A24-3M

V. 24, **kW.** 5.2, **Core OD** 74.35, **Shaft L.** 354.70, **Splines** 3, **Rotation** CR



139706 Armature

Replacing: 6332-a1413; -42

Servicing: 1320G934; 1327010; -20; -30; -40; -50; CA45G12-125M; S11512-1; S11512-3M; -4M; S11512-5; -7; S115A1

V. 12, **kW.** 3.6, **Core OD** 75.00, **Shaft L.** 355.00, **Splines** 3, **Rotation** CR
6 holes.



139707 Armature

Replacing: 6332-a1437

Servicing: 1327420; -50; -60; -70; -80; -570; -580; S11524-18; -9; S11524-2; -5; -6; -7; -8; S115A24-1; S115A2

V. 24, **kW.** 6.5, **Core OD** 74.50, **Shaft L.** 355.35, **Splines** 3, **Rotation** CR
6 holes.

Field Coils



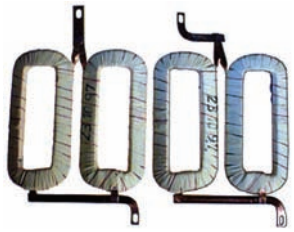
133018 Field Coil

Replacing: 6211-289a; f564c

Servicing: 1320027; -35; -45; -92; -161; -183; -502; -513; -571; -601; -702; -810; -830; -902; 1320F027; -35;

V. 12, **kW.** 3.6, **H.** 134.40, **Brush gear** w/o

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



138783 Field Coil

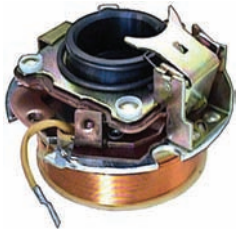
Replacing: 5933-602f; f523
Servicing: 1321021; -32; -41; -182; -471; -491; -580; -600; -700; -780; 1321F022; -32; -42; -183; -472; -491;
V. 24, **kW.** 5.2, **H.** 136.50, **Brush gear** w/o

Solenoids



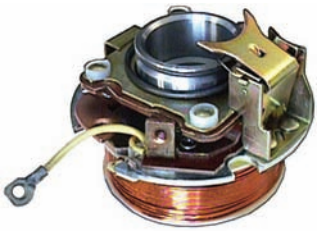
130332 Solenoid

Replacing: 1828020; -40; 1828a040; 267-2; -4; 06548
Servicing: 1333480; -520; -860; -64101; BS524P-216
V. 24



132594 Solenoid

Replacing: 6211-39
Servicing: 1320027; -8; -45; -75; -92; -142; -161; -183; -502; -513; -531; -571; -662; -810; -902; CA45D12-1;
V. 12



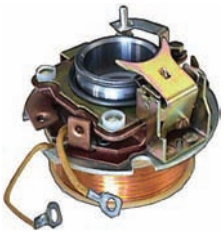
132595 Solenoid

Replacing: 6211-39b; -d; 6510-58; 6211-39c
Servicing: 1320F027; -8; -45; -75; -92; -142; -161; -183; -513; -515; -531; -571; -621; -662; -720; -810; -830
V. 12



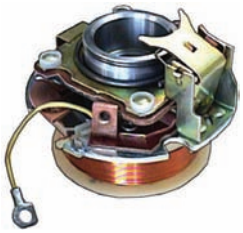
132596 Solenoid

Replacing: 6211-191
Servicing: 1320035; -6; -294; -352; -552; -601; CA45D12-15; CA45D12-29M; CA45D12-3; CA45D12-35M; CA45D12-3M; -
V. 12
Insulated return.



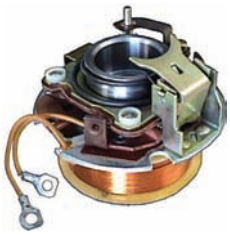
132597 Solenoid

Replacing: 6211-191a; 6211-826; 6510-59
Servicing: 1320F035; -6; -114; -294; -352; -502; -552; -601; -914; -G035; -G036; -G114; -G294; -G352; -G552; -
V. 12
Insulated return.



132598 Solenoid

Replacing: 6211-152; 6211-152c
Servicing: 1321021; -41; -182; -471; -531; -700; CA45D24-18; CA45D24-2; -4; CA45D24-47; -51; CA45D24-51M; CA45
V. 24



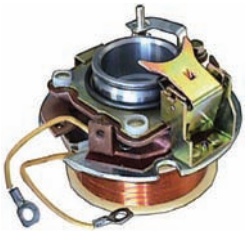
132599 Solenoid

Replacing: 6211-206; 6211-206a
Servicing: 1321032; -3; -112; -292; -352; -491; -552; -580; -600; -780; CA45D24-11; CA45D24-11M; CA45D24-15; C
V. 24
Insulated return.



132600 Solenoid

Replacing: 6211-152a; -b; 6211-516; -825
Servicing: 1321F022; -42; -183; -472; -532; -652; -701; -702; -871; -906; -910; -913; -921; -G022; -G042; -G14
V. 24



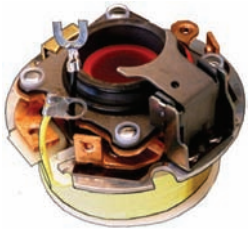
132601 Solenoid

Replacing: 6211-206b; -c; 6211-517; -46; -773; 6510-56
Servicing: 1321F032; -3; -112; -292; -352; -491; -551; -580; -600; -780; -840; -880; -885; -886; -888; -890; -
V. 24
Insulated return.



138390 Solenoid

Replacing: 1821054; 18221a01; bbng-5g
Servicing: 1343021; -35; -41; -51; -61; -71; -113; -151; -171; -181; -232; -251; -271; -291; -341; -351; -361;
V. 24



139709 Solenoid

Replacing: 6211-546; -773
Servicing: ca45g24-11m; ca45g24-3m
V. 24



230436 Solenoid

Replacing: 6510-60
Servicing: s115hd24-2
V. 24



231422 Safety Switch

Replacing: 6510-93a
Servicing: s115hd24-2
V. 12

Solenoid Parts

Coils



130851 Contact Set

Replacing: 6010-148; -240; 6211-32; -3
Servicing: 1320027; -8; -45; -75; -92; -142; -161; -183; -502; -513; -531; -571; -662; -702; -810; -830; -902;

12V./24V.



139711 Contact Kit

Replacing: 6010-149; -241
Servicing: 1320035; -6; -294; -352; -552; -601; 1320F035; -6; -114; -294; -352; -502; -552; -601; -902; -906;



231467 Fixed Contact

Replacing: 6510-68
Servicing: S114HD24-2
O.D. 98.50, **I.D.** 39.85

Drives



130417 Drive

Replacing: 2006380010; -410; -718; 5549-306bj; 9004794; 9018718; 9923779; 18.100.023; -98; 70616002; 72372530;
Servicing: 0001401011; -2; -23; -28; -41; -50; -52; -66; -67; -71; -2031; -2043; -2055; -2059; -2071; -2072; -
O.D. 34.70, **I.D.** 14.70, **L.** 120.00,
No. of teeth 9, **Splines** 3, **Drive type** Steel
Not oilproof.



130722 Drive

Replacing: 5549-306ch; 2006380500; 18.100.104
Servicing: 10.130.141; -6; 11.130.320; 1343391; -491; -502; -503; -508; -511; -514; -530; -550; -731; -754; 13
O.D. 39.00, **I.D.** 14.70, **L.** 120.00,
No. of teeth 10, **Splines** 3, **Drive type** Steel



130899 Drive

Replacing: 5549-306cm
Servicing: 1373360; -90; -400; -404; -407; -82351; -82610; -86230; -86270; -86280; -86310; -86471; -86511; -86
O.D. 45.90, **I.D.** 14.70, **L.** 117.00,
No. of teeth 12, **Splines** 3, **Drive type** Steel



130900 Drive

Replacing: 5933-332a; 5933-820; 5933-820s
Servicing: ca45c12-2
O.D. 39.60, **I.D.** 15.85, **L.** 139.00,
No. of teeth 10, **Drive type** Steel
4 holes.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



130940 Drive

Replacing: 6211-375

Servicing: 1320F027; -35; -183; -513; -515; -810; -921; CA45F12-109; CA45F12-18; CA45F12-2; -3; CA45F12-51; CA

O.D. 39.60, **I.D.** 15.50, **L.** 139.00,
No. of teeth 10, **Splines** 8, **Drive type** Steel
8 holes.



131096 Drive

Replacing: 6211-66b

Servicing: CA45D12-1; CA45D12-47

O.D. 39.60, **I.D.** 15.90, **L.** 117.00,
No. of teeth 11, **Drive type** Steel
4 holes.



131305 Drive

Replacing: 5549-306t

Servicing: 1382033; -4; -91; -251; -252; -382; -630; -6111; -6330; -6350; -6360; -6461; -6491; -6501; -6521; -

O.D. 45.90, **I.D.** 14.60, **L.** 117.00,
No. of teeth 13, **Splines** 3, **Drive type** Steel



131742 Drive

Replacing: 2006381452; 5549-306d

Servicing: 1330011; -1172; -2011; -2282; -2382; -3011; -3172; BA524P-1; BS512-P1; BS512P-117; BS524P-101; -17;

O.D. 45.90, **I.D.** 14.50, **L.** 120.00,
No. of teeth 13, **Splines** 3, **Drive type** Bronze



131743 Drive

Replacing: 5549-306au; -cs; 2006380578

Servicing: 1333480; -43021; -43035; -43041; -43051; -43071; -43113; -43171; -43181; -43232; -43251; -43271; -4

O.D. 45.90, **I.D.** 14.65, **L.** 120.00,
No. of teeth 12, **Splines** 3, **Drive type** Bronze



131745 Drive

Replacing: 2006380574; -94; 5549-306bs

Servicing: 0001401026; -62; 1331451; -2814; -3272; -3580; -3830; -43351; -64080; BNG4/12CR242SR; BS512P-145; B

O.D. 39.50, **I.D.** 14.60, **L.** 120.00,
No. of teeth 11, **Splines** 3, **Drive type** Steel



131747 Drive

Replacing: 2006380450; -8; 5549-306w; 74350413; -33

Servicing: 0001400016; -1019; 1331441; -520; -670; -3441; -3520; -3670; BNG2,5/12DR229; BNG4/12CR236; BS512P-1

O.D. 45.90, **I.D.** 14.50, **L.** 120.00,
No. of teeth 13, **Splines** 3, **Drive type** Steel



131749 Pinion

Replacing: 6211-66

Servicing: 1320027; -35; -92; -183; -513; -810; CA45D12-15; -8; CA45D12-2; -3; CA45D12-38; -51; -55; -76; -81;

O.D. 39.60, **I.D.** 15.40, **L.** 139.00,
No. of teeth 10, **Splines** 3, **Drive type** Steel
4 holes.



131751 Drive

Replacing: 6211-66d

Servicing: 1320045; -571; -601; CA45D12-4; CA45D12-57; -8; -60; -75; -82

O.D. 45.70, **I.D.** 15.40, **L.** 139.00,
No. of teeth 13, **Splines** 3, **Drive type** Steel
4 holes.



131752 Drive

Replacing: 6211-375b

Servicing: 1321F022; -32; -183; -652; -910; -913; CA45F24-106; -8; CA45F24-18; CA45F24-2; -3; CA45F24-65; -Y3

O.D. 39.60, **I.D.** 15.50, **L.** 139.00,
No. of teeth 10, **Splines** 3, **Drive type** Steel
10 holes.



131753 Drive

Replacing: 5549-306e

Servicing: 1330032; -1181; -2031; -3181; BS512-P3; BS512P-118; BS524P-118; BS524P-3; SL524-37M; SL5A24-37M

O.D. 45.90, **I.D.** 14.65, **L.** 120.00,
No. of teeth 13, **Splines** 3, **Rotation** ACR, **Drive type** Bronze



131755 Drive

Replacing: 5549-306

Servicing: 1382013; -4; -52; -152; -313; -441; -442; -481; BS612L-40; -77; BS612L-M87; BS624J-99; BS624J-K87;

O.D. 45.90, **I.D.** 14.55, **L.** 117.00,
No. of teeth 13, **Splines** 3, **Drive type** Bronze
10 holes.



131759 Drive

Replacing: 5549-306l

Servicing: 1331041; BS512P-104; SL5A24-61

O.D. 39.50, **I.D.** 14.90, **L.** 120.00,
No. of teeth 11, **Splines** 3, **Rotation** ACR, **Drive type** Bronze



131760 Drive

Replacing: 5533-820j; 5933-820j

O.D. 45.70, **I.D.** 15.20, **L.** 139.00,
No. of teeth 13, **Drive type** Steel
4 holes.



131763 Drive

Replacing: 5933-820b; -t

O.D. 39.60, **I.D.** 15.45, **L.** 139.00,
No. of teeth 11, **Splines** 3, **Drive type** Bronze
4 holes.



133010 Drive

Replacing: 6211-375h

Servicing: 1321F472; -91; CA45F24-47; -9; CA45F24-Y49

O.D. 39.00, **I.D.** 15.30, **L.** 139.00,
No. of teeth 11, **Splines** 3, **Drive type** Bronze
10 holes.



133011 Drive

Replacing: 6211-66h

Servicing: 1320531; CA45D12-53

O.D. 39.00, **I.D.** 15.25, **L.** 139.00,
No. of teeth 11, **Splines** 3, **Rotation** ACR, **Drive type** Bronze
4 holes.



133012 Drive

Replacing: 6211-66l

Servicing: 1321021; -32; -182; CA45D24-15; -8; CA45D24-2; -3; CA45D24-51; -65

O.D. 39.00, **I.D.** 15.70, **L.** 139.00,
No. of teeth 10, **Splines** 3, **Drive type** Bronze
6 holes.



133013 Drive

Replacing: 5549-306bv

Servicing: 1382133; -4; -411; BS624K-142M; U612A-B-13; U612A-B-56M; U624A-29; U624A-B-13; U624A-B-13M; -T; U62

O.D. 45.90, **I.D.** 14.70, **L.** 117.00,
No. of teeth 12, **Splines** 3, **Drive type** Bronze

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



133014 Drive

Replacing: 6211-375d

Servicing: 1320F161; -502; -902; CA45F12-16; -50; -92; CA45F12-Y16; -50; -92

O.D. 45.60, **I.D.** 16.60, **L.** 139.00,
No. of teeth 12, **Splines** 3, **Drive type** Bronze
8 holes.



133015 Drive

Replacing: 6211-375t

Servicing: 1321041; 1321F042; -580; -600; -G600; CA45F24-4; CA45F24-58; -60; CA45F24-Y58; -60; CA45G24-60

O.D. 45.30, **I.D.** 16.00, **L.** 139.00,
No. of teeth 13, **Splines** 3, **Drive type** Bronze
10 holes.



133016 Drive

Replacing: 6211-375e

Servicing: 1321F871; -80; CA45F24-87; -8; CA45F24-Y88

O.D. 45.60, **I.D.** 15.70, **L.** 139.00,
No. of teeth 12, **Drive type** Bronze
10 holes.



133017 Drive

Replacing: 6211-375u

Servicing: 1321F701; -80; -904; CA45F24-103; CA45F24-70; -8

O.D. 38.00, **I.D.** 15.50, **L.** 139.00,
No. of teeth 10, **Splines** 3, **Drive type** Bronze
10 holes.



133306 Drive

Replacing: 6211-66a; 101211-2751

Servicing: 1320161; -502; -902; CA45D12-16; -50; -73; -92; CA45D12-Y92

O.D. 45.60, **I.D.** 15.60, **L.** 139.00,
No. of teeth 12, **Splines** 3, **Drive type** Bronze
4 holes.



133790 Drive

Replacing: 6211-596b; -f; 6211-700aa

Servicing: 1321g022; -33; -183; -551; -906; -910; CA45G24-106; ca45g24-18; -3m

O.D. 39.50, **I.D.** 15.50, **L.** 139.00,
No. of teeth 10, **Drive type** Steel
10 holes.



133791 Drive

Replacing: 6211-596; 6211-596g; 133793; -7

Servicing: 1320G028; -36; -552; CA45G12-2M; -3M; CA45G12-55M

O.D. 39.50, **I.D.** 15.40, **L.** 139.00,
No. of teeth 10, **Drive type** Steel
8 holes.



133792 Drive

Replacing: 6211-596ah

Servicing: 1320G662; 13320G662; CA45G12-66M

O.D. 39.50, **I.D.** 15.60, **L.** 139.00,
No. of teeth 10, **Rotation** ACR, **Drive type** Steel
8 holes.



133794 Drive

Replacing: 6211-596h; 6211-700h

Servicing: 1321G472; -91; CA45G24-47; -9

O.D. 39.50, **I.D.** 15.55, **L.** 139.00,
No. of teeth 11, **Drive type** Steel
10 holes.



133795 Drive

Replacing: 6211-596k

Servicing: 1320G045; -571; -601; CA45G12-4; CA45G12-57; -60

O.D. 45.30, **I.D.** 15.60, **L.** 139.00,
No. of teeth 13, **Drive type** Steel
8 holes.



133796 Drive

Replacing: 6211-596m

Servicing: 1320G294; CA45G12-29M

O.D. 39.50, **I.D.** 15.60, **L.** 139.00,
No. of teeth 11, **Rotation** ACR, **Drive type** Steel
8 holes.



133909 Drive

Replacing: 6211-375v

Servicing: 1320F720; -830; CA45F12-72; -83; CA45F12-Y72; -83

O.D. 39.30, **I.D.** 15.55, **L.** 139.00,
No. of teeth 10, **Drive type** Steel
8 holes. w/ oil seal.



134462 Drive

Replacing: 6211-375k; -p; 134463

Servicing: 1320F045; -114; -571; -601; ca45f12-11m; CA45F12-4; CA45F12-57; -60; -Y4; CA45F12-Y57; -60; -75

O.D. 45.50, **I.D.** 15.40, **L.** 139.00,
No. of teeth 13, **Drive type** Steel
8 holes.



134464 Drive

Replacing: 6211-375m

Servicing: 1320F294; CA45F12-29M; CA45F12-Y29M

O.D. 39.50, **I.D.** 15.70, **L.** 139.00,
No. of teeth 11, **Rotation** ACR, **Drive type** Steel
8 holes.



134465 Drive

Replacing: 6211-375f

Servicing: 1321F033; -551; -561; -906; CA45F24-104M; CA45F24-3M; CA45F24-55M; -Y3M; CA45F24-Y55M

O.D. 39.30, **I.D.** 15.35, **L.** 139.00,
No. of teeth 10, **Drive type** Steel
10 holes.



134466 Drive

Replacing: 6211-375g

Servicing: 1320F028; -36; -552; CA45F12-2M; -3M; CA45F12-55M; -Y2M; -Y3M; CA45F12-Y55M; CA45F24-Y97

O.D. 39.30, **I.D.** 15.90, **L.** 139.00,
No. of teeth 10, **Drive type** Steel
8 holes.



134467 Drive

Replacing: 6211-375r

Servicing: 1321F292; CA45F24-29M; CA45F24-Y29M

O.D. 39.50, **I.D.** 15.85, **L.** 139.00,
No. of teeth 11, **Rotation** ACR, **Drive type** Steel
10 holes.



134468 Drive

Replacing: 6211-375w

Servicing: 1321F702; -804; -840; CA45F24-72; -84; CA45F24-Y78; -84

O.D. 39.50, **I.D.** 15.55, **L.** 139.00,
No. of teeth 10, **Drive type** Steel
10 holes. w/ oil seal.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



135883 Drive

Replacing: 6211-700b
Servicing: 1321G022; -32; -913; -916; 1327010; -40; -50; -420; -450; -470; -480; CA45G24-108P; CA45G24-112; CA
O.D. 39.50, **I.D.** 15.55, **L.** 139.00,
No. of teeth 10, **Drive type** Steel
12 holes.



136158 Drive

Replacing: 6211-375z
O.D. 39.00, **I.D.** 15.60, **L.** 139.00,
No. of teeth 11, **Drive type** Steel
10 holes.



138358 Drive

Replacing: 6211-700v; -w; 230343
Servicing: 1321G702; 1327020; -30; -430; -440; -620; 1327a020; CA45G24-72; S11512-3M; -4M; -24-23; -24-3M; -24
O.D. 39.50, **I.D.** 15.55, **L.** 139.00,
No. of teeth 10, **Drive type** Steel



138825 Drive

Replacing: 5549-306j
Servicing: bs512p-66; -86; bs524p-2; bs524p-2m
O.D. 39.50, **I.D.** 14.75, **L.** 120.00,
No. of teeth 11, **Splines** 3, **Drive type** Bronze



139893 Drive

Replacing: 6211-856
Servicing: s115hd24-1; -2
O.D. 37.80, **I.D.** 15.40, **L.** 139.00,
Drive type Steel
10 holes.



230096 Drive

Replacing: 6211-700ae; -l; 6211-700y
Servicing: 1321g929; -7A691; CA45G24-121; CA45G24-121M; S115A24-30M
O.D. 34.65, **I.D.** 16.30, **L.** 138.30,
No. of teeth 9, **Drive type** Steel
12 holes. w/ oil seal.



230098 Drive

Replacing: 6211-596v
Servicing: 1320G027; -35; -92; -183; -515; -720; -810; -830; -921; -923; -925; CA45G12-109; -12; -15; CA45G12-
O.D. 39.50, **I.D.** 16.00, **L.** 139.00,
No. of teeth 10, **Drive type** Steel
8 holes. w/ oil seal.



230328 Drive

Replacing: 6211-700d
Servicing: 1321G886; CA45G24-95M; S115A12-15M; S115A24-15M
O.D. 45.50, **I.D.** 15.35, **L.** 139.00,
No. of teeth 13, **Drive type** Steel
12 holes. w/ oil seal.



230344 Drive

Replacing: 6211-700ad
Servicing: 1327100; 1327a100
O.D. 39.00, **I.D.** 15.45, **L.** 139.00,
No. of teeth 11, **Rotation** ACR, **Drive type** Steel
12 holes. w/ oil seal.



234798 Drive

Replacing: 6211-700e
Servicing: 1327460; -580; 1327a580; -1; -610; -611; -710; S11524-19; S11524-6; s115a24-19; -22; -33; S115A24-6
O.D. 46.00, **L.** 139.00, **No. of teeth** 12,
Splines 3, **Drive type** Steel
12 holes. w/ oil seal.



234799 Drive

Replacing: 6211-375aq
Servicing: 1321f112; -897; ca45f24-100m; ca45f24-11m
O.D. 46.00, **L.** 139.00, **No. of teeth** 13
10 holes. w/ oil seal.



234800 Drive

Replacing: 6211-700t
Servicing: 1321G042; -571; -580; -7a111; -7a521; CA45G24-4; CA45G24-57; -8; s115a12-14; -24-14
O.D. 46.00, **L.** 139.00, **No. of teeth** 11
12 holes.

234801 Drive

Replacing: 6211-700n
Servicing: 1321G921; 1327600; 1327a601; -41; -61; -71; CA45G24-114; S11524-21; s115a24-21; -5; -7; -8
O.D. 41.00, **L.** 139.00, **No. of teeth** 11
12 holes.



234802 Drive

Replacing: 6211-700f
Servicing: 1321G033; -551; -906; -h033; -H551; -H906; CA45G24-104M; CA45G24-3M; CA45G24-55M; CA45H24-104M; ca4
O.D. 39.00, **L.** 139.00, **No. of teeth** 10
12 holes. w/ oil seal.



234803 Drive

Replacing: 6211-700ac
Servicing: 1327a080; -1; -500; -501; s115a12-11m; S115A24-11M
O.D. 35.00, **L.** 139.00, **No. of teeth** 11
12 holes. w/ oil seal.

Drive Parts



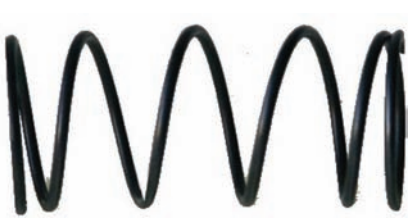
139721 Pinion Spring

Replacing: 6211-227a
Servicing: CA45D12-72; -83; -93; -24-79; -24-84; CA45F12-Y72; -83; -93; CA45F12-Y95M; CA45F24-72; CA45F24-Y84;
O.D. 25.00, **L.** 69.00



230097 Oil Seal

Replacing: 6211-221
Servicing: CA45D12-83; -93; -24-79; -24-84; CA45F12-Y72; -83; -93; CA45F12-Y95M; -6M; CA45F24-72; CA45F24-Y84;
O.D. 24.50, **I.D.** 16.00, **H.** 5.00



230326 Pinion Spring

Replacing: 6211-70; 6211-70a
Servicing: CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D12-2; CA45D12-29M; CA45D12-2M; CA45D12-3; CA45D12-35M;
O.D. 24.70, **L.** 52.50



230327 Pinion Spring

Replacing: 6211-761
Servicing: 1327a540; S115A24-11M; -5M
O.D. 23.60, **L.** 70.00



230364 Pinion Spring

Replacing: 6211-860
O.D. 22.00, **L.** 74.00

Clutches



130328 Clutch

Replacing: 2006401903; -4; -8; 2009999032; 5586-123; 02189; 9011087; 9924342; 72294601; 74350265
Servicing: 0001401044; -6; -9; -50; -67; -69; -71; -73; -2008; -2018; -2050; -2054; -2065; -2081; 63211627; -6



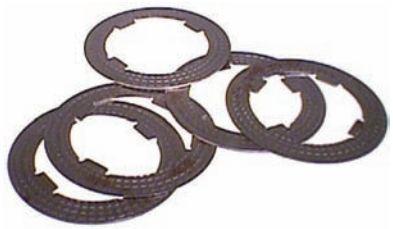
130333 Clutch

Replacing: 5586-488; 06541

Servicing: SL524-10M; -1M; -3M; SL524-15; -6; -7; -8; -9; SL524-2; SL524-20; -1; -3; -5; SL524-3; SL524-31; SL

Parts

Pkg 5



138391 Clutch Plate Set

Replacing: 5549-95

Servicing: 1330011; -32; -661; -861; -1041; -1172; -1181; -1371; -1441; -1451; -1520; -1670; -1841; -1851; -20

O.D. 65.65, **I.D.** 39.95/45.60, **Th.** 0.96

Pkg 5



138392 Clutch Plate Set

Replacing: 5549-96

Servicing: 1330011; -32; -661; -861; -1041; -1172; -1181; -1371; -1441; -1451; -1520; -1670; -1841; -1851; -20

O.D. 68.58, **I.D.** 47.00, **Th.** 1.10

Brush Gears

Brush gears parts

Brush Springs

Pkg 4



139726 Brush Spring

Replacing: 5933-336

Servicing: CA45012-Y95M; CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D12-2; CA45D12-29M; CA45D12-2M; CA45D12-3;

O.D. 10.90, **L.** 10.10

Brush Sets



141005 Brush Set

Replacing: 6068-43; 6211-548a

Servicing: 1320G927; 1327010; -20; -30; -40; -50; CA45G12-117; S11512-1; S11512-3M; -4M; S11512-5; -7; S115A12

V. 12, **L.** 20.45, **Th.** 8.95, **H.** 20.00,
No. of brushes 4

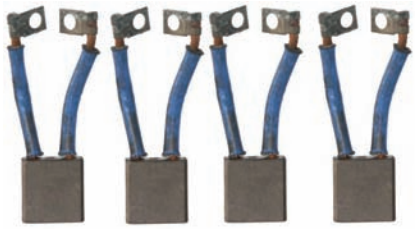


141060 Brush Set

Replacing: 6211-548b

Servicing: S115A24-1; S115A24-12; -4; S115A24-2; -6; -7; -9

V. 24, **L.** 20.50, **Th.** 8.84, **H.** 19.83,
No. of brushes 4

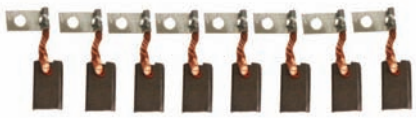


asx144 Brush Set

Replacing: 6068-20; -9; -42; -47; 6211-548

Servicing: 1321021; -32; -33; -41; -112; -182; -292; -352; -471; -491; -531; -552; -580; -600; -700; -780; 132

V. 24, **L.** 20.50, **Th.** 8.80, **H.** 19.80,
No. of brushes 4



asx16-178 Brush Set

Replacing: 6068-33; 6068-4

Servicing: 1372033; -3281; -3360; -3390; -3400; -3404; -3407; -82013; -82014; -82033; -82034; -82052; -82091;

L. 25.90, **Th.** 11.95, **H.** 13.90,
No. of brushes 8

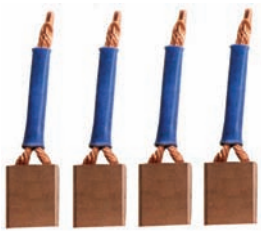


asx184 Brush Set

Replacing: 6068-10

Servicing: 1343021; -35; -41; -51; -61; -71; -113; -151; -171; -181; -232; -251; -271; -291; -341; -351; -361;

V. 24, **L.** 26.75, **Th.** 11.97, **H.** 19.97,
No. of brushes 4

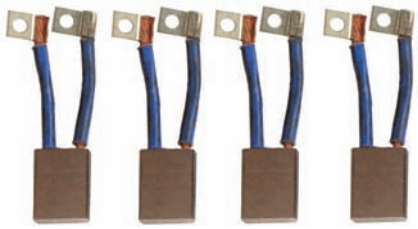


asx194 Brush Set

Replacing: 6068-1; 6068-18; -28; -34

Servicing: 1320027; -8; -35; -36; -45; -75; -92; -142; -161; -183; -294; -352; -502; -513; -531; -552; -571; -

V. 12, **L.** 24.30, **Th.** 8.95, **H.** 19.95, **No. of brushes** 4



asx74 Brush Set

Replacing: 6068-2

Servicing: 1332011; -22; -23; -31; -71; -382; -521; -814; -3011; -3172; -3181; -3272; -3441; -3480; -3520; -35

V. 24 - 32, **L.** 26.10, **Th.** 8.80, **H.** 19.80, **No. of brushes** 4

Bushings

Pkg 10



140154 Bearing Bushinging

Replacing: 5933-44; 6211-235

Servicing: 1320027; -8; -35; -36; -45; -75; -92; -142; -161; -183; -294; -352; -502; -513; -531; -552; -571; -

O.D. 33.00, **I.D.** 28.30, **L.** 26.35, **Material** Steel

Pkg 10



140169 Bearing Bushinging

Replacing: 5549-270

Servicing: 1372033; -3281; -3360; -3390; -3400; -3404; -3407; -82013; -82014; -82033; -82034; -82052; -82091;

O.D. 25.00, **I.D.** 21.60, **L.** 27.00, **Material** Copper

Pkg 10



140170 Bearing Bushinging

Replacing: 5549-307

Servicing: 1330011; -32; -661; -861; -1041; -1172; -1181; -1371; -1441; -1451; -1520; -1670; -1841; -1851; -20

O.D. 26.00, **I.D.** 21.75, **L.** 27.85, **Material** Copper



140171 D.E. Bushinging

Replacing: 5549-610; 5894-23

Servicing: 1330011; -32; -661; -861; -1041; -1172; -1181; -1371; -1441; -1451; -1520; -1670; -1841; -1851; -20

O.D. 39.30, **I.D.** 34.90, **L.** 47.00, **Material** Steel

Pkg 10



140172 Bearing Bushinging

Replacing: 5586-160

Servicing: 1330011; -32; -661; -861; -1041; -1172; -1181; -1371; -1441; -1451; -1520; -1670; -1841; -1851; -20

O.D. 19.55, **I.D.** 16.55, **L.** 18.95, **Material** Copper

Pkg 10

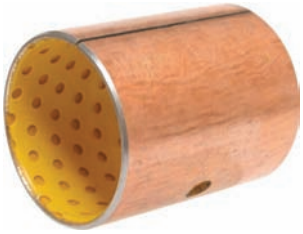


140173 Bearing Bushinging

Replacing: 5933-603; 6211-303

Servicing: 1320027; -8; -35; -36; -45; -75; -92; -142; -161; -183; -294; -352; -502; -513; -531; -552; -571; -

Collar O.D. 23.70, **O.D.** 19.15, **I.D.** 16.00, **L.** 17.90, **Type** Standard, **Material** Copper



141003 Bearing Bushinging

Replacing: 6400-247

Servicing: 1333860; -43351; 1343B736; -58; -60; -64; -71; -C021; -C041; -C051; -C391; -C503; -C511; -C530; -C7

O.D. 39.50, **I.D.** 35.80, **L.** 47.80, **Type** Mounting, **Material** Copper

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



141004 Bearing Bushinging

Replacing: 6400-248

Servicing: 1333480; -520; -72033; -73360; -82102; -82152; -82313; -82411; -82441; -82481; -82501; -82610; -826

O.D. 39.10, **I.D.** 35.48, **L.** 34.00, **Type** Mounting, **Material** Copper

Pkg 10



141028 Bearing Bushinging

Replacing: 6211-726

Servicing: S115A12-1; S115A12-10; -2; S115A12-15M; S115A12-9; -24-1; S115A24-11M; S115A24-12; -4; S115A24-15M;

Collar O.D. 25.40, **O.D.** 22.30, **I.D.** 16.00, **L.** 17.05, **Material** Copper

Bearings

Needle Bearings

Pkg 10



141039 Needle Bearing

Replacing: hk1514rs; 141039

O.D. 21.00, **I.D.** 15.00, **L.** 14.00,
No. of rollers 17
Assort. 802035

Pkg 10



141042 Axial Needle Roller

Replacing: axk1528; 141042

O.D. 28.00, **I.D.** 15.00, **Th.** 2.00,
No. of rollers 20

Pkg 10



141043 Axial Bearing Washer

Replacing: as1528; 141043

O.D. 28.00, **I.D.** 15.00, **Th.** 1.00, **Material** Steel

Repair Kits



130850 Repair Kit

Replacing: 521; 6010-127

Servicing: S115A12-1

Sundry Parts



130852 Resistor

Replacing: 6211-46a

Servicing: 1320027; -8; -45; -75; -92; -142; -161; -183; -502; -513; -531; -571; -662; -702; -810; -830; -902;

12 V.

Pkg 5



132981 Oil Seal

Replacing: 5933-906

Servicing: CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D12-2; CA45D12-29M; CA45D12-2M; CA45D12-3; CA45D12-35M;

O.D. 35.00, **I.D.** 28..00, **H.** 3.10



132982 Plug

Replacing: 2916090013; 5933-83; 234077

Servicing: 0001372001; -2; -3; -4; -5; -6; -7; -8; CA45012-Y95M; CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D1

O.D. 26.00, **H.** 1.85

Pkg 5



132983 Plug

Replacing: 6211-500

Servicing: CA45012-Y95M; CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D12-2; CA45D12-29M; CA45D12-2M; CA45D12-3;

O.D. 13.00, **H.** 2.25



138784 Resistor

Replacing: 6211-203; -526

Servicing: 1321032; -3; -112; -292; -352; -491; -552; -580; -600; -780; 1321F032; -3; -112; -292; -352; -491;

24 V.
Insulated return.



139662 Resistor

Replacing: 6211-175a

Servicing: 1320035; -6; -294; -352; -552; -601; 1320F035; -6; -114; -294; -352; -552; -601; -906; -914; -G035;

12 V.
Insulated return.

Pkg 4



139708 Segment

Replacing: 6211-961

Servicing: S115A12-1; S115A12-10; -2; S115A12-9; -24-1; S115A24-12; -4; S115A24-2; S115A24-22; S115A24-6; -7;

Pkg 10



139712 Plug

Replacing: 6211-648

Servicing: S115A12-1; S115A12-10; -2; S115A12-15M; S115A12-9; -24-1; S115A24-11M; S115A24-12; -4; S115A24-15M;

O.D. 18.50



139713 Terminal

Replacing: 6211-678; 6510-3; -4

Servicing: S115A12-1; S115A12-10; -2; S115A12-15M; S115A12-9; -24-1; S115A24-11M; S115A24-12; -4; S115A24-15M;

L. 50.70, **Thread** M8
Nut: Cargo 139714.

Pkg 5



139714 Nut

Replacing: nu11-5t1

Servicing: S115A12-1; S115A12-10; -2; S115A12-15M; S115A12-9; -24-1; S115A24-11M; S115A24-12; -4; S115A24-15M;

O.D. 12.85, **Thread** M8



139715 Collar

Replacing: 6211-372

Servicing: CA45012-Y95M; CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D12-2; CA45D12-29M; CA45D12-2M; CA45D12-3;

O.D. 34.10, **I.D.** 31.00, **Th.** 16.30, **Material** Steel

---



139716 Locking Spring

Replacing: 6211-437

Servicing: CA45012-Y95M; CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D12-2; CA45D12-29M; CA45D12-2M; CA45D12-3;

O.D. 29.55, **L.** 21.00

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



139717 Washer

Replacing: 5936-456

Servicing: 32,25x21,9x0,25mm S115A12-1; S115A12-10; -2; S115A12-15M; S115A12-9; -24-1; S115A24-11M; S115A24-12;

O.D. 32.25, **I.D.** 21.90, **Th.** 0.25, **Material** Steel

Pkg 5



139718 Trip Plate

Replacing: 6211-600

Servicing: 44,6x22,35x2,65mm S115A12-1; S115A12-10; -2; S115A12-15M; S115A12-9; -24-1; S115A24-11M; S115A24-12;

O.D. 44.60, **I.D.** 22.35, **Th.** 2.65, **Material** Fiber

Pkg 10



139719 External Circlip

Replacing: nm1-19

Pkg 10



139720 Spring Cover

Replacing: 6265-703

Servicing: S115A12-1; S115A12-10; -2; S115A12-15M; S115A24-1; S115A24-12; -4; S115A24-2; S115A24-22; -3M; S115

O.D. 28.55, **I.D.** 21.10, **H.** 28.45

Pkg 10

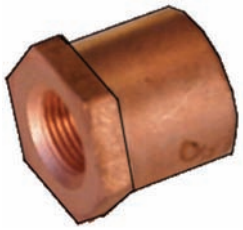


139722 Thrust Washer

Replacing: 6265-705; 5936-264

Servicing: CA45012-Y95M; CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D12-2; CA45D12-29M; CA45D12-2M; CA45D12-3;

O.D. 24.85, **I.D.** 20.60, **Th.** 0.70, **Material** Steel



139723 Stop Nut

Replacing: 5330-525

Servicing: S115A12-1; S115A12-10; -2; S115A12-15M; S115A12-9; -24-1; S115A24-12; -4; S115A24-2; S115A24-22; -3

O.D. 22.00, **Thread** M12

Pkg 10



139724 Protection Cap

Replacing: 6265-704

Servicing: S115A12-1; S115A12-10; -2; S115A12-15M; S115A24-1; S115A24-12; -4; S115A24-2; S115A24-22; -3M; S115

O.D. 26.30, **I.D.** 20.80, **H.** 12.50

Pkg 4



139725 Pole Shoe Screw

Replacing: 5333-190

Servicing: CA45012-Y95M; CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D12-2; CA45D12-29M; CA45D12-2M; CA45D12-3;

Thread L. 12.30, **L.** 17.25, **Thread** M10



139727 Retaining Pad

Replacing: 6211-369

Servicing: CA45012-Y95M; CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D12-2; CA45D12-29M; CA45D12-2M; CA45D12-3;

Pkg 10



139728 Spring

Replacing: 6211-385

Servicing: CA45012-Y95M; CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D12-2; CA45D12-29M; CA45D12-2M; CA45D12-3;

O.D. 1.50, **L.** 73.00

Pkg 2



139729 Screw

Replacing: 5335-774

Servicing: CA45012-Y95M; CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D12-2; CA45D12-29M; CA45D12-2M; CA45D12-3;

Thread L. 11.85, **L.** 15.55, **Thread** M5



139730 Screw

Replacing: ns85-8z1

Servicing: CA45D24-11; CA45D24-11M; CA45D24-15; -8; CA45D24-2; CA45D24-29M; CA45D24-3; CA45D24-35M; CA45D24-3M

Thread L. 15.60, **L.** 18.75, **Thread** 1/4 " BSF

Pkg 10



230099 Spring

Replacing: 5933-509

Servicing: CA45012-Y95M; CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D12-2; CA45D12-29M; CA45D12-2M; CA45D12-3;

O.D. 7.00, **L.** 43.00

Pkg 10



230100 Oil Wick

Replacing: 5586-529

Servicing: SL512-6M; -7M; -23-3M; SL524-10M; -1M; -3M; SL524-15; -6; -7; -8; -9; SL524-2; SL524-20; -1; -3; -5

Pkg 5



230346 Sealing Ring

Replacing: 6211-660

Servicing: S115A12-1; S115A12-10; -2; S115A12-15M; S115A12-9; -24-1; S115A24-11M; S115A24-12; -4; S115A24-15M;

O.D. 105.50, **I.D.** 101.80, **Th.** 4.95



230347 Inner Sleeve

Replacing: 6211-857

O.D. 23.55, **I.D.** 18.30, **H.** 26.20



230348 Outer Sleeve

Replacing: 6211-858a

O.D. 25.75, **I.D.** 18.00, **H.** 31.00



230365 Spring Cap

Replacing: 6211-861



230366 Dowel

Replacing: 6211-662

Servicing: S115A12-1; S115A12-10; -2; S115A12-15M; S115A12-9; -24-1; S115A24-11M; S115A24-12; -4; S115A24-15M;

Pkg 10



230368 Steel Ball

Replacing: nc7-17

Servicing: CA45012-Y95M; CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D12-2; CA45D12-29M; CA45D12-2M; CA45D12-3;

O.D. 4.80 /3/16", **Material** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



230369 Steel Ball

Replacing: nc7-7
Servicing: CA45012-Y95M; CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D12-2; CA45D12-29M; CA45D12-2M; CA45D12-3;
O.D. 7.90 /5/16", **Material** Steel

Pkg 10



230434 Terminal

Replacing: 6211-819a
L. 27.45, **Thread** M6
Terminal 50.



230435 Terminal

Replacing: 6510-2
L. 58.60, **Thread** M12



230437 Resistor

Replacing: 6010-246; 6211-134; -447; -841; 6510-79; 132609
Servicing: 1321021; -41; -182; -471; -531; -700; 1321F022; -42; -183; -472; -532; -652; -701; -702; -871; -906

24 V.



230438 Insulator

Replacing: 5587-192
Insulator 1



230439 Insulator

Replacing: 5587-193
Insulator 1

Pkg 10



230440 Cap

Replacing: 6510-73
O.D. 12.00, **H.** 16.20

Pkg 10



230441 Washer

Replacing: 6510-84
Servicing: 18x1,60mm
O.D. 18.00, **Th.** 1.60

Pkg 5



230442 Insulator

Replacing: 5936-374
Servicing: CA45F24-18; CA45F24-2; -4; CA45F24-47; -53; -65; -70; -72; -87; S115A24-1; S115A24-11M; S115A24-12;
O.D. 12.50, **I.D.** 3.95, **Th.** 1.70, **Insulator** 5

Pkg 10



230443 Rivet

Replacing: 5336-372
Servicing: S115A24-11M; -5M; S115A24-22; -3M; S115A24-6
O.D. 3.90, **L.** 13.65

Pkg 10



230444 Washer

Replacing: 5936-482
Servicing: 10,65x4,15x1,40mm S115A12-1; S115A12-10; -2; S115A12-15M; S115A12-9; -24-1; S115A24-11M; S115A24-12;
O.D. 10.65, **I.D.** 4.15, **Th.** 1.40, **Material** Steel

Pkg 10



230445 Insulator

Replacing: 5587-183

Servicing: S115A12-1; S115A12-10; -2; S115A12-15M; S115A12-9; -24-1; S115A24-11M; S115A24-12; -4; S115A24-15M;

Insulator 10



230446 Insulator

Replacing: 6211-821

Servicing: S115A12-1; S115A12-10; -2; S115A12-15M; S115A12-9; -24-1; S115A24-11M; S115A24-12; -4; S115A24-15M;

O.D. 14.95, **I.D.** 6.30, **Th.** 8.00, **Insulator** 1, **Material** Plastic

---

Pkg 5



232851 Insulator

Servicing: 1327480; -620; -621; 1327a470; s115hd24-2

O.D. 12.60, **I.D.** 10.30, **Th.** 3.50, **Insulator** 5, **Material** Plastic

---

Pkg 10



232977 Insulator

Servicing: 1403010

Insulator 10

Pkg 10



234426 Spacer

Replacing: 5933-287; 5933-287a

Servicing: CA45012-Y95M; CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D12-2; CA45D12-29M; CA45D12-2M; CA45D12-3;

O.D. 11.20, **I.D.** 6.50, **Th.** 6.50

Pkg 10



234427 Rivet

Replacing: 5336-257a; -87a; 5336-257

Servicing: CA45012-Y95M; CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D12-2; CA45D12-29M; CA45D12-2M; CA45D12-3;

O.D. 3.80, **L.** 16.60

Pkg 10



234428 Insulator

Replacing: 5587-117; 5587-117a

Servicing: CA45012-Y95M; CA45D12-1; CA45D12-14; -5; -6; -8; -M; CA45D12-2; CA45D12-29M; CA45D12-2M; CA45D12-3;

O.D. 9.70, **I.D.** 4.20, **H.** 5.20, **Insulator** 10

Oil Seals



139389 Oil Seal

Replacing: 5586-224

Servicing: BS612L-M87; BS624J-100; -13; BS624J-99; BS624J-K112; BS624J-K127M; BS624J-K128; BS624J-K129M; BS624

O.D. 52.60, **I.D.** 33.50, **H.** 6.00



139618 Oil Seal

Replacing: 6211-391

Servicing: CA45D12-72; -83; -93; -24-79; -24-84; CA45F12-Y72; -83; -93; CA45F12-Y95M; -6M; CA45F24-72; CA45F24

O.D. 44.50, **I.D.** 28.50, **H.** 5.00

Pkg 5



230335 Oil Seal

Replacing: sd30x37x4; 230335

O.D. 37.00, **I.D.** 30.00, **H.** 4.00

Pkg 5



230367 Oil Seal

O.D. 37.00, **I.D.** 30.00, **H.** 4.00

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

O - rings

Pkg 10



230376 O-Ring

Replacing: 5855-30dv

Servicing: S115A12-1; S115A12-10; -2; S115A12-15M; S115A12-9; -24-1; S115A24-11M; S115A24-12; -4; S115A24-15M;

O.D. 18.10, **I.D.** 12.20, **Th.** 1.80

Pkg 10



230377 O-Ring

Replacing: 6211-675b

Servicing: S115A12-1; S115A12-10; -2; S115A12-15M; S115A12-9; -24-1; S115A24-11M; S115A24-12; -4; S115A24-15M;

O.D. 11.70, **I.D.** 7.70, **Th.** 1.80

Pkg 10



230378 O-Ring

Replacing: 6211-675d; 1918621

Servicing: 19011501; 8200009; -22; -37; -39; M9T60471; -80472; S115A12-1; S115A12-10; -2; S115A12-15M; S115A12

O.D. 7.20, **I.D.** 3.70, **Th.** 1.80

Pkg 10



230379 O-Ring

Replacing: 6211-675e

Servicing: S115A12-1; S115A12-10; -2; S115A12-15M; S115A12-9; -24-1; S115A24-11M; S115A24-12; -4; S115A24-15M;

O.D. 10.55, **I.D.** 5.50, **Th.** 2.40

Pkg 5



230380 O-Ring

Replacing: 6211-675n

O.D. 15.70, **I.D.** 11.90, **Th.** 1.78

Pkg 10



230381 O-Ring

Replacing: 6211-675h

Servicing: Terminal (b+): Cargo 139713. S115A12-1; S115A12-10; -2; S115A12-15M; S115A12-9; -24-1; S115A24-11M;

O.D. 16.50, **I.D.** 10.00, **Th.** 3.00

Pkg 10



230382 O-Ring

Replacing: 6211-675m

Servicing: S115A12-1; S115A12-10; -2; S115A12-15M; S115A12-9; -24-1; S115A24-12; -4; S115A24-2; S115A24-22; S1

O.D. 30.50, **I.D.** 31.35, **Th.** 0.80

Pkg 10



233599 O-Ring

O.D. 12.75, **I.D.** 9.60, **Th.** 1.78

Pkg 10



238300 O-Ring

Servicing: 1327470; -1; s11524-7; s11524-7x

O.D. 121,3, **I.D.** 105.00, **Th.** 5.00, **Material** Rubber

---

Bearings

Pkg 10



140086 Bearing 6202/zz

Replacing: 1900905226; -8; -44; 6220-693; 954293; 68933; 85218; 62022zrc3; 057382; 076001; 6202zz

Servicing: 0010350013; -4; 0136352005; -5049; -5050; -5053; -5054; -5055; -5057; -5058; -5059; -5060; -5061; -

O.D. 35.00, **I.D.** 15.00, **H.** 10.00

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Armatures



130552 Armature

Replacing: 2525283; 1946391; 1948999; 1967045; 665389

Servicing: 35MT. 1113389; -92; -402; -411; -412; -548; -626; -633; -634; -635; -636; -637; -639; -640; -641; -6

V. 12, **Core OD** 85.00, **Shaft L.** 394.00, **Splines** 3, **Rotation** CR
Short shaft.



131404 Armature

Replacing: 2095094; 2098496; 2642072; 3656552; 3755313; 3837325

Servicing: 2095150; -8500

V. 12, **Core OD** 74.00, **Shaft L.** 180.00, **Splines** 10

Field Coils



232834 Field Coil

Replacing: 3656557

V. 12, **H.** 58.80, **Brush gear** w/o



232835 Field Coil

Replacing: 3755245

V. 12, **H.** 87.00, **Brush gear** w/o



232836 Field Coil

Replacing: 2084088

V. 12, **H.** 100.75



232904 Field Coil

Replacing: 2240260; 20-65; -6; MDT-2005AS; MDY-2005AS

Servicing: MDT-7019; -22; MDY-7006; -49

V. 12, **H.** 102.40, **Brush gear** w/o
4 terminals.

C.E. Brackets



233671 C.E. Bracket

Replacing: 2095078; -6

Servicing: 2095150; -8500; 2875560; 3656575; -650; 3755250; -900; 4091950; -75; 4111855; -60; -45359; -45360

Solenoids



130493 Solenoid

Replacing: 2098360; 3225629; f903; B6AZ-11-450A; 15-407; zm-401; SAS-4211Y

V. 12, **B+** M8, **Intermittent load** 150amp., **Coil bolt** M8
Grounded base. Flat bracket.



130499 Solenoid

Replacing: 3202630; 3204049; 3205022; 1114250; -1; -2; -3; -5; -6; -7; -63; -64; -66; -68; -70; -71; -72; -73;

Servicing: 10MT, 20MT, 25MT, 27MT. 10455308; -9; -10; -11; -22; -35; 1107201; -4; -23; -24; -28; -29; -42; -50;

V. 12, **B+** M10
Grounded base. Cap: Cargo 130497.



131392 Solenoid

Replacing: 2275553; -4; 2075553

Servicing: 2095150; -8500

V. 12



131393 Solenoid

Replacing: 3755267; 3837337; 3932813

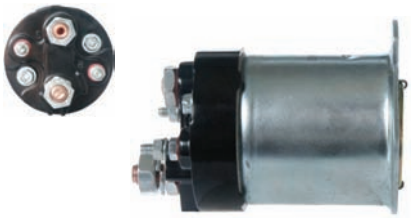
Servicing: 2875560; 4091950

V. 12



131394 Solenoid

Replacing: 2932813
Servicing: 2875560; 3656575
V. 12



131590 Solenoid

Replacing: 8133925; 1114514; -5; -7; -8; -24; -26; -29; -30; -31; -57; -62; -64; -66; -69; -71; d913a; d984; -7
Servicing: 5MT, 22MT. 10455001; -4; -6; -7; -8; -9; -15; -16; -17; -18; -19; -20; -21; -22; -23; -24; -44; -45;
V. 12, **B+** M10, **Coil bolt** 3/8" UNC
Grounded base. Cap: Cargo 137809.



133196 Coil with Brush Holder

Servicing: 3656575; -650; 4091975; 4106114; -11355
V. 12



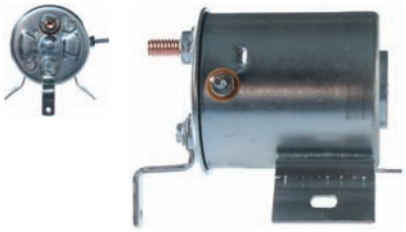
133428 Solenoid

Replacing: 0331302096; -596; zm-727; 5206626
Servicing: 0001208403; 0001311050; -1; -2; -5; -6; -4003; -4008; -4009; -4010; -4011; B001208133
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133777.



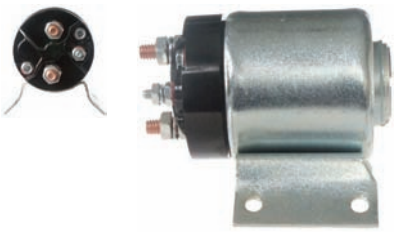
139212 Solenoid

Replacing: 0331303022; -522; 9330081064; zm-672; 9330091064; 5206607; 5213077
Servicing: 0001208209; -26; 9000081006; -2064; -2076; -2078; 9000142001; -2; -14; B001208122
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138926.



232838 Solenoid

Replacing: 1889146; 4642222; -884; -961; -964
V. 3, **B+** M8



232905 Solenoid

Replacing: 1692659; 1889799; 15-1; -2; 15-325; 15-4; -5; 15-57; -61; -62; -63; -64; SAD-4001; -101; -201; -301;
Servicing: 114-65; 8AL2002; 8EK2001FA; 8EL2001KA; -2NA; -3FA; 8EM2002FA; -4KB; -5KA; -5KB; -6KA; -7KA; -8NA; -
V. 12, **B+** M8, **Coil bolt** M8

Solenoid Parts

Moving Contacts



132760 Moving Contact

Replacing: 2084091; 2932814
Servicing: 2095150; -8500; 2785560; 3656575; 4091960; -75; 4106113; -4; -11355; -45360
Th. 2.30, **Shaft** 64.90, **Material** Copper
1.5-1.8 HP.



232837 Moving Contact

Replacing: 3932814; 2084091
Th. 2.30, **Shaft** 62.00, **Material** Steel
Solenoid: Cargo 131392, 131393.

Gaskets

Pkg 5



232840 Gasket

Replacing: 2875558
Th. 3.00, **Material** Rubber
Solenoid: Cargo 131393.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



232841 Gasket

Th. 2.75, **Material** Rubber
Solenoid: Cargo 131392, 131393.

Terminals

Pkg 5



232839 Terminal

Replacing: 2098628
L. 24.15, **Thread** M4, **Terminals** 0227
Solenoid: Cargo 131392, 131393.

Various

Pkg 10



233667 Nut

Servicing: Serrated flange.
O.D. 5/16", **Thread** 45566

Drives



130442 Drive

Replacing: 5206632; 5213310; -850; tmj402; -10; 028300-0900; -1; 028300-1930; -50; -51; 028300-2240; 028300-335
Servicing: 028000-1620; -2260; -2261; -2262; -2263; -2360; -2660; -2661; -2662; -2664; -2665; -2680; -2681; -2
O.D. 29.15, **I.D.** 12.55, **L.** 82.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



130536 Drive

Replacing: 2095122; -397; 2444651; -8; 3755085; 4094174; ch1920; -2; -5; -7; 3874045; c2001; 480438; 1.01.0050.
Servicing: 2095397; 2444658
O.D. 33.10, **I.D.** 12.00, **L.** 75.20,
No. of teeth 10, **Splines** 6, **Rotation** CR,
Drive type Steel
7°



130538 Drive

Replacing: 2525287; 10498623; 1852716; 1868355; 1876857; 1877355; 1933471; 1941119; -57; 1942950; 1950058; 1964
Servicing: 30MT. 10455316; -26; -31; -34; -37; -78830; 1107214; -34; -49; -90; -91; -300; -382; -511; -512; -51
O.D. 39.85, **I.D.** 14.30, **L.** 96.15,
No. of teeth 10, **Splines** 3, **Rotation** CR,
Drive type Steel



131220 Drive

Replacing: 10016; 4106093; 4145978; 4240449; 4091920
O.D. 33.00, **I.D.** 12.00, **L.** 76.10,
No. of teeth 10, **Splines** 3, **Rotation** CR,
Drive type Steel
12°



136888 Drive

Replacing: 1006209561; 5234382; 1.01.0641.0; 1837
Servicing: 0001108068; -9; -70; -103; -104; -105; -123; -134; -135; -160; -995; -996; -997; -998; -999; B00111
O.D. 25.90, **I.D.** 11.00, **L.** 58.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



231950 Drive/Clutch Assy

Replacing: 54-8216; 1.01.0299.0; 231950
O.D. 25.90, **I.D.** 12.55, **L.** 79.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel

Drive Parts

Pkg 10



233668 Spacer

O.D. 19.00, **I.D.** 12.10, **Th.** 1.50, **Material** Metal

Planet Gears



237015 Planet Gear w/ Drive

Replacing: 138585; 237015

Servicing: 56041013; M1T74281; -9481; -9482

O.D. 64.80, **L.** 105.00, **No. of teeth** 10, **Splines** 8

Drive only: Cargo 137643.

Gear Parts

Gear Covers



232842 Gear Cover

Replacing: 2095116

O.D. 75.55

Levers



132758 Lever

Replacing: 2095134

Servicing: 2095150; -8500; -8560

L. 89.00, **Lever** 1

Starter: Cargo 110223.



132759 Solenoid Shift Lever

Replacing: 3755094

Servicing: 3656575; 3755250; 4091950; -75; 4106113; -4; -11355; -45360

L. 86.00

Starter: Cargo 110222.

Brush Gears



131412 Brush Box

Replacing: 2275550

Servicing: 2095150; -8100

Brush With, **Spring terminal** With



131413 Brush Box

Replacing: 2095219

Servicing: 4091950

Brush With, **Spring terminal** With

Brush gears parts

Brush Springs

Pkg 10



132741 Brush Spring

Replacing: 2084666; d1az11059a; 50-263; MZ-19S

O.D. 15.65, **L.** 30.80

Serv. 4½" DD

Pkg 10



233666 Screw

Thread L. 1/4", **L.** 11/32", **Thread** 11902

Brush Sets

chx101p Brush Set

Replacing: chx101p

L. 13.15, **Th.** 8.80, **H.** 17.60, **No. of brushes** 4

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Bushings

Pkg 5



140186 Bearing Bushinging

Replacing: 1752378; 38296; 1889907

O.D. 14.33, **I.D.** 12.77, **L.** 19.84, **Material** Copper

Pkg 5



140187 Bearing Bushinging

Replacing: 3556382; 3656382; 3874817; ch1414

O.D. 15.28, **I.D.** 12.03, **L.** 19.05, **Type** Standard, **Material** Copper

Pkg 5



140194 Bearing Bushinging

Replacing: 2095242; 2098987; ch1411

O.D. 20.65, **I.D.** 17.53, **L.** 17.81, **Material** Copper

Pkg 5



140195 Bearing Bushinging

Replacing: 3474819; 3656283; -4; -383; 3874818; 5874818; ch1415

O.D. 20,83, **I.D.** 17,5, **L.** 17,91, **Material** Copper

Pkg 5



140196 Bearing Bushinging

Replacing: 2095078

O.D. 22,3, **I.D.** 18,9, **L.** 14,99, **Material** Copper

Sundry Parts

Pkg 10



132757 Brush Loader

Replacing: 3755257; -741

Pkg 5



232843 Oil Wick

Replacing: 2095562

Pkg 10



233155 Shim

Replacing: 14057993; 53000762

Servicing: 5MT, 10MT, SD200, SD210. SD200; -10

O.D. 122.00, **Th.** 1.00, **Material** Steel

Pkg 5



233669 Brake Washer

O.D. 44.80, **I.D.** 17.20, **Th.** 1.70, **Material** Fiber

Pkg 10



233672 Washer

Replacing: 3755661

O.D. 38.00, **I.D.** 26.00, **Th.** 1.50, **Material** Fiber

Pkg 5



233673 Brake Washer

O.D. 31.50, **I.D.** 19.00, **Th.** 1.30, **Material** Fiber

Pkg 10



233675 Retainer

Replacing: 2095117

O.D. 20.88, **I.D.** 12.18, **H./th.** 1.72

Pkg 5



233676 Pin

Replacing: 2095133



233677 Pole Screw

Replacing: 6030160

Thread L. 12.50, **L.** 17.20, **Thread** M10

Pkg 5



233678 Battery Terminal

L. 36.30, **Thread** M8

B+ terminal.

Pkg 10

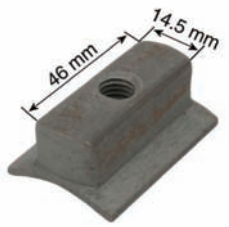


233680 Screw

Replacing: 6027772

Thread L. 43.00, **L.** 46.80, **Thread** M5

Pkg 10



235422 Pole Shoe

Replacing: 3180465; 3226629

L. 46.0, **H.** 14.5, **W.** 24.5, **Thread** M10 x 1.5

Thru Bolts

Pkg 10



233670 Thru Bolt

Replacing: 3755231

Collar L. 124.00, **L.** 129.70, **Thread** M8

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Solenoids

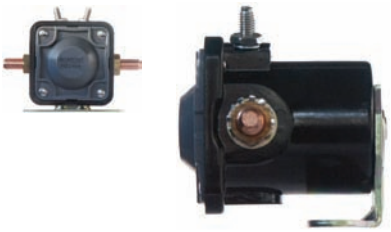


130493 Solenoid

Replacing: 2098360; 3225629; f903; B6AZ-11-450A; 15-407; zm-401; SAS-4211Y

V. 12, **B+** M8, **Intermittent load** 150amp., **Coil bolt** M8

Grounded base. Flat bracket.

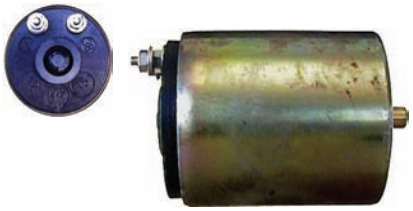


139858 Solenoid

Replacing: 25-661; 54-981; 65-057a1; 508905; 25661; 65057a1; 1658883; 2095606; 1114206; -537; 8915857; 8976545;

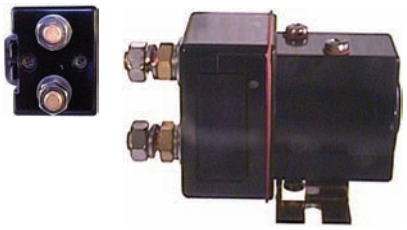
V. 12, **B+** M8, **Coil bolt** M8

Solenoids



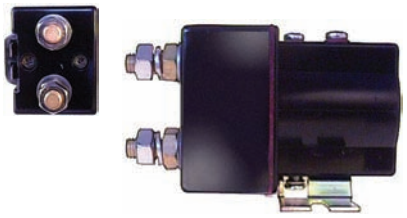
135309 Solenoid

V. 12, **Amp.** 100



138684 Solenoid

Replacing: sw80-751pe; 138684; 3212
V. 12, **Amp.** 100, **B+** M8, **Coil bolt** M8
Silver contact.



138685 Solenoid

Replacing: sw80-753pee; 138685; 3224
V. 24, **Amp.** 100, **B+** M8, **Coil bolt** M8
Silver contact.

Sundry Parts



139608 Thermal Protection

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Armatures



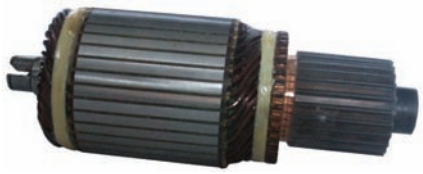
135758 Armature

Replacing: es595ans; 135758
V. 12, **kW.** 2.0, **Core OD** 72.90, **Shaft L.** 167.50, **Rotation** CR/ACR



135759 Armature

Replacing: es597ans; 135759
V. 24, **kW.** 2.0, **Core OD** 72.80, **Shaft L.** 167.55



135760 Armature

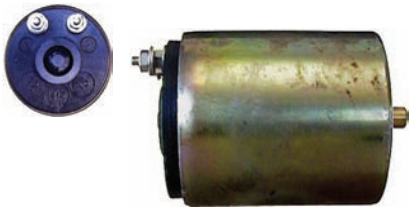
Replacing: es590ans2; 135760
V. 12, **kW.** 3.0, **Core OD** 81.75, **Shaft L.** 221.00



135761 Armature

Replacing: es590ans1; 135761
V. 24, **kW.** 3.0, **Core OD** 81.35, **Shaft L.** 224.00

Solenoids



135308 Solenoid

Replacing: em15-4124; 135308; 4124
V. 24

Brush Gear Parts

Pkg 4



132711 Brush Spring

L. 27.25
12/24 V. 2 kW

Pkg 4



132712 Brush Spring

L. 28.80
12/24 V. 3 kW

Brush Sets



140408 Brush Set

Replacing: 140407; -8
V. 12/24, **L.** 26.05, **Th.** 8.92, **H.** 12.78, **No. of brushes** 4
2 kW
Assort. 803005



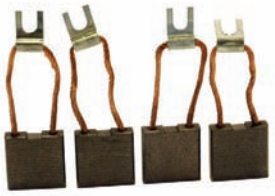
140410 Brush Set

Replacing: 140409; -10
V. 12/24, **L.** 27.96, **Th.** 8.90, **H.** 19.86, **No. of brushes** 4
3 kW.
Assort. 803005



141063 Brush Set

Replacing: 13809; 141063
V. 12/24, **L.** 17.00, **Th.** 8.95/9.10, **H.** 15.80/16.00, **No. of brushes** 4
2/2.5 kW.



141068 Brush

V. 24, **L.** 21.55, **Th.** 5.95, **H.** 21.92, **No. of brushes** 4, **Brush** 1



141100 Brush Set

V. 12, **L.** 17.00, **Th.** 8.95/9.10, **H.** 15.90,
No. of brushes 4
Anti CW rotation.



141193 Brush Set

V. 24, **L.** 26.50, **Th.** 9.95, **H.** 19.80,
No. of brushes 4

Bushings

Pkg 10



141064 Bushinging

Replacing: 11601; 141064
O.D. 18.05, **I.D.** 14.13, **L.** 13.39, **Material** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Armatures

235637 Armature

Replacing: 1939904; 1945778; 1939904
V. 12, **Core OD** 70.50, **Shaft L.** 255.50
15 Amp.

Armatures

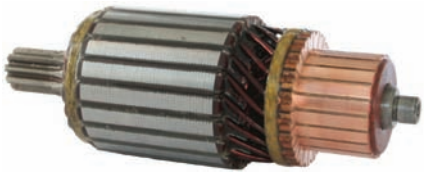


132553 Armature

Replacing: 028200-1590; 27160-77090; 28160-77090; 028200-2230

Servicing: 028000-4800; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5550; -5551; -5552; -5553; -5570; -5

V. 24, **kW.** 4.5, **Core OD** 59.95, **Shaft L.** 187.00, **No. of teeth** 9, **Splines** 9, **Rotation** CR/ACR
Commutator: Cargo B138437.



132796 Armature

Replacing: 31207-657-671; 5-81121031-0; 021200-2120; 028200-1531; 028200-2120; 028200-4540; 49200-7212; 28160-2

Servicing: 028000-4540; -5900; -5910; -5911; -5912; -6000; -6001; -6030; -6300; -6361; -6362; -6620; -6700; -6

V. 12, **kW.** 0.9/1.0/1.2, **Core OD** 47.00, **Shaft L.** 136.00, **No. of teeth** 9, **Rotation** CR
Bearing D.E.: Cargo 140272. Bearing C.E.: Cargo 140222. Commutator: Cargo B139777.



132869 Armature

Replacing: 028200-1780; -900; 028200-6230

Servicing: 028000-5000; -541; -542; -543; -560; -561; -581; -660; -661; -870; -871; -880; -6060; -6061; -6062;

V. 12, **kW.** 2.5, **Core OD** 60.05, **Shaft L.** 187.00, **No. of teeth** 9, **Rotation** CR/ACR
w/ bearing. Commutator: Cargo 138621.

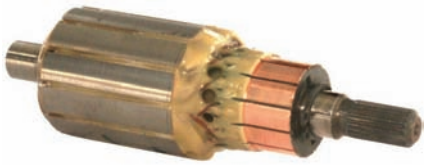


133389 Armature

Replacing: 028200-1820

Servicing: 028000-5330; -1; -2; -3; -4; -5; -6050; -6380; -6381; -6382; -6383; -6384; -6385; -6391; -6392; -63

V. 12, **kW.** 0.8, **Core OD** 59.90, **Shaft L.** 226.10, **Splines** 10, **Rotation** CR
Commutator: Cargo B139772.



133706 Armature

Replacing: 31206-ze3-0030; 028200-5400

Servicing: 128000-2750; -3400; -3780

V. 12, **kW.** 0.5, **Core OD** 34.00, **Shaft L.** 119.70, **Splines** 19



133713 Armature

Replacing: 31206-za1-003; 028200-2470; 028200-5510; -901; -920; 12234-63071; -2; 31310-87400; 12264-63071

Servicing: 028000-8411; -9133; -9872; -9880; -9882; -9883; 128000-1431; -2950; -4461; -4470; -4471; -4860; -48

V. 12, **kW.** 0.6, **Core OD** 47.95, **Shaft L.** 189.00, **Splines** 6, **Rotation** ACR



134073 Armature

Replacing: 028200-1500

Servicing: 028000-4323; -900; -940; -5100; -5110

V. 12, **kW.** 0.9, **Core OD** 48.50, **Shaft L.** 140.60, **Splines** 19, **Rotation** CR/ACR



134368 Armature

Replacing: 028200-1313; -511; 19212-63071

Servicing: 028000-3641; -2; -4343; -4450; -4990; -5060; -5120; -5190; -5390; -5780; -5800; -5821; -5822; -5991

V. 12, **kW.** 1.4, **Core OD** 48.55, **Shaft L.** 160.00, **Splines** 19, **Rotation** CR/ACR
Commutator: Cargo B139777.



134369 Armature

Replacing: 5-81121029-0; rf01-24-705; 028200-2140; 028200-7430; 15425-63071; 28160-54070; -1; 28160-87705

Servicing: 028000-7000; -1; -2; -3; -370; -372; -373; -660; -661; -662; -740; -790; -791; -792; -8210; -8370;

V. 12, **kW.** 2.0, **Core OD** 50.45, **Shaft L.** 166.00, **Splines** 19, **Rotation** CR/ACR
Commutator: Cargo B233491.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



134370 Armature

Replacing: 31207-pc2-661; 8-94170207-0; 028200-2320; 028200-5370; 15511-63071; 28160-15090; 28160-87706

Servicing: 028000-7700; -8390; -8620; -8980; -9320; -9321; -9380; -9510; -9800; -9820; -9860; 128000-0050; -71

V. 12, **kW.** 1.4/1.6, **Core OD** 50.20, **Shaft L.** 147.90, **Splines** 19, **Rotation** CR/ACR

Commutator: Cargo B139777.



134946 Armature

Replacing: 028200-0820; 028200-1070

Servicing: 028000-3500; -1; -4042; -4500; -4520; -4601; -4690; -4691; -4700

V. 12, **kW.** 0.6, **Core OD** 60.00, **Shaft L.** 222.80, **Splines** 10, **Rotation** CR

Commutator: Cargo B138977.



135626 Armature

Replacing: 028200-2690

Servicing: 028000-9900; -1; 128000-0600; -2860; -2861; -4480; 228000-2560; -3380; -4201

V. 12, **kW.** 0.8/0.9, **Core OD** 60.00, **Shaft L.** 204.00, **Splines** 10, **Rotation** CR

Commutator: Cargo B139772.



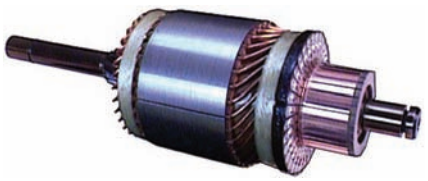
135824 Armature

Replacing: 1346-24-705; md604912; 028200-1022; 028200-2010; 28160-87702

Servicing: 028000-4420; -5440; -6520; -7200; -7280; -7290; -7440; -7490; -7500; -7630; -7720; -7760; -7870; -7

V. 12, **kW.** 0.8/0.9, **Core OD** 59.90, **Shaft L.** 226.00, **Splines** 10, **Rotation** ACR

Commutator: Cargo B138980.



135825 Armature

Replacing: 028200-0900; -20; 28160-22011; 028200-0901

Servicing: 028000-2151; -241; -4050; -4650; -4651; -4680; -4681; -4710; -5070; -5071; -6790; -9690

V. 12, **kW.** 0.6, **Core OD** 60.10, **Shaft L.** 204.00, **Splines** 10, **Rotation** CR

Commutator: Cargo B138977.



135853 Armature

Replacing: 4n6942; 9x0337; 028200-1260; -1; 028200-2290; 028200-6240

Servicing: 028000-3290; -1; -2; -650; -970; -971; -4930; -5040; -5960; -5961; -6920; -7430; -7431; 128000-0260

V. 12, **kW.** 4.0, **Core OD** 84.00, **Shaft L.** 396.00, **Splines** 4



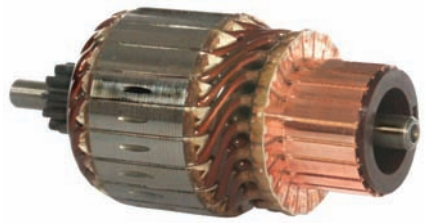
136862 Armature

Replacing: 028200-5210; 31311-51a10; 28160-11711; 28160-87503

Servicing: 128000-2621; -3250; -3251; -3651; -4030; -4031; -4040; -4050; -4060; -4070; -4130; -4160; -4170; -4

V. 12, **kW.** 0.6, **Core OD** 50.40, **Shaft L.** 197.00, **Splines** 10, **Rotation** ACR

Commutator: Cargo B233754.



136884 Armature

Replacing: 028200-5871; 31311-60c40; 28160-70021; 28160-87207

Servicing: 128000-2682; -5210; -5211; -5680; -5681; -5682; -6340; -6341; -6420; -6422; -6720; -6721; -7620; -8

V. 12, **kW.** 0.8, **Core OD** 44.92, **Shaft L.** 100.90, **No. of teeth** 11

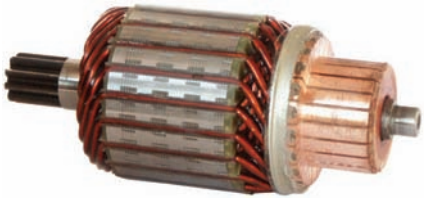


136896 Armature

Replacing: 31207-pr4-0030; 8-94377253-0; 8-97377253-0; 11197-63071; 028200-6250; 28160-74070

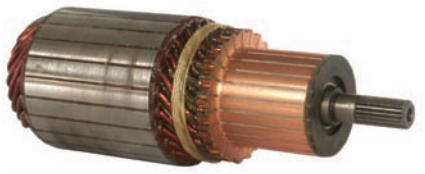
Servicing: 128000-7002; -140; -390; -8210; -8320; -8321; -8322; -8360; -8400; -9300; -9310; -9520; -9700; -970

V. 12, **kW.** 1.4, **Core OD** 49.25, **Shaft L.** 128.65, **No. of teeth** 9



137953 Armature

Replacing: 8-94377259-0; 028200-6260; 23310-aa050; 28160-76060
Servicing: 128000-7122; -560; -713; -714; -8220; -8310; -8311; -8312; -8460; -8470; -8480; -8784; -9190; -9191
V. 12, **kW.** 1.2, **Core OD** 49.50, **Shaft L.** 118.10, **No. of teeth** 9, **Rotation** CR/ACR



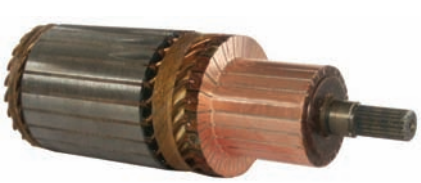
137978 Armature

Replacing: 28160-64040-000; 8-94167426-0; 028200-5040; 028200-7440; 028200-6850
Servicing: 128000-0830; -1; -2; -3; -5350; -5760; -9560; 228000-0200; -390; -391; -460; -880; -1690; -1780; -1
V. 12, **kW.** 2.2, **Core OD** 54.20, **Shaft L.** 167.45, **No. of teeth** 19, **Rotation** CR



138383 Armature

Replacing: 028200-0910
Servicing: 028000-1973; -5; -6; -3360; -3361; -4440; -4480; -4491; -4810; -4811; -4812; -5410
V. 12, **kW.** 0.6, **Core OD** 60.00, **Shaft L.** 245.00, **Splines** 10
Commutator: Cargo B138977.



138675 Armature

Replacing: 1-81121044-0; 028200-5250
Servicing: 128000-2450; -560; -740; -4250; -4682; -4683; -4684; -4685; -4687; -5730; -5731; -5732; 228000-2470
V. 24, **kW.** 5.5, **Core OD** 65.00, **Shaft L.** 210.50, **No. of teeth** 18, **Rotation** CR



138757 Armature

Replacing: 028200-1151; -0
Servicing: 028000-4790; -840; -5350; -5720; -6330; -6510; -6511; -7270; -7311; -7950; -8020; -8030; -8190; -87
V. 12, **kW.** 0.8, **Core OD** 60.00, **Shaft L.** 226.00, **Splines** 10, **Rotation** ACR
Commutator: Cargo B138977.



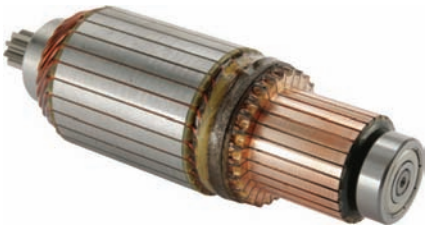
139148 Armature

Replacing: 028200-6860; 28160-54380
Servicing: 228000-2120; -680; -690; -700; -980; -3840; -3850; -3851; -3920; -3980; -4050; -4291; -4570; -4790;
V. 12, **kW.** 2.0, **Core OD** 50.60, **Shaft L.** 159.60, **No. of teeth** 21



139701 Armature

Replacing: 028200-2800
Servicing: 128000-0490; -1; -2470; -3361; -4220; -4910; -5370; -5510; -5610; -5720; -5721; -5722; 228000-2800;
V. 12, **kW.** 3.0, **Core OD** 64.80, **Shaft L.** 210.50, **Splines** 18, **Rotation** CR



231894 Armature

Replacing: 028200-6870; 28160-75120
Servicing: 228000-2990; -3260; -4090; -4092; -4093; -5860; -5861; -5862
V. 12, **kW.** 2.0, **Core OD** 50.47, **Shaft L.** 160.80, **No. of teeth** 9, **Splines** 9



233812 Armature

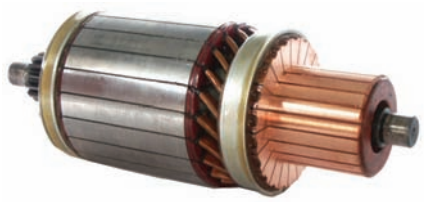
Replacing: 028200-6880
Servicing: 228000-4960; -1
V. 12, **kW.** 1.8, **Core OD** 50.45, **Shaft L.** 149.45, **Splines** 21



233894 Armature

Servicing: 228000-3040; -5040
V. 12, **kW.** 1.6/1.8, **Core OD** 50.45, **Shaft L.** 151.50, **Splines** 9

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



233960 Armature

Replacing: 028200-8330; 10511758

Servicing: 39MT. 19011506; -8; -10; -12; -13; -14; -15; -16; -17; -18; -19; -21; -25; -26; -29; -30; -31; 42800

V. 12.0, **kW.** 6.2, **Core OD** 68.00 (2.677"), **Shaft L.** 196.00 (7.717"), **No. of teeth** 14, **Splines** 20
Gear reduction.



234218 Armature

Replacing: 1819340; at18193; 5667740; 1819340at30sm; 234128

Servicing: 1819040mo30sm; 1819140M030SM; 5213140MO30SM; sm18190

V. 12, **Core OD** 55.00, **Shaft L.** 196.70, **Splines** 6, **Rotation** ACR



234608 Armature

Servicing: 128000-3090; -1; -4230; -4540; -8960; 228000-4640; -1; 428000-1570

V. 12, **kW.** 0.6, **Core OD** 50.50, **Shaft L.** 173.00

Yokes



135102 Yoke

Replacing: 15425-63081; 028100-3490; -1; -2; -641; -760; -990; 028100-4330; 28120-10710; 28120-64010; 135789; -

Servicing: 028000-7000; -1; -2; -3; -370; -372; -373; -660; -661; -662; -740; -790; -791; -792; -8130; -8210;

V. 12, **O.D.** 76.00, **L.** 113.15, **Brush gear** w/o, **Magnets** w/o
Field coil only: Cargo 235245.



135790 Yoke

Replacing: 31206-p62-661; 8-94170206-0; 028100-3770; 028100-5540; 28120-15090; 028100-4360; -430; 028100-5110

Servicing: 028000-7700; -8390; -8980; -9320; -9321; -9380; -9510; -9820; -9860; 128000-0050; -130; -140; -200;

V. 12, **kW.** 1.4, **O.D.** 76.00, **L.** 77.15, **Brush gear** w/o, **Magnets** With

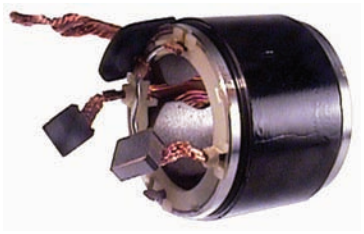


135802 Yoke

Replacing: 31218-zg4-801; 8-94381931-0; 9-94381931-0; md604642; 028100-5140; -580; -900; 28120-87210

Servicing: 128000-2520; -621; -631; -820; -980; -3090; -3091; -3250; -3251; -3260; -3261; -3530; -3531; -3651;

V. 12, **kW.** 0.6/0.7, **O.D.** 76.00, **L.** 77.00, **Brush gear** w/o, **Magnets** With



136885 Yoke Assy

Replacing: 028100-6010; 31110-60c40; 28120-70020; 28120-87211; 028100-7680

Servicing: 128000-2682; -5210; -5211; -5680; -5681; -5682; -6420; -6422; -7620; -8530; -8531; -8890; -8891; -9

V. 12, **kW.** 0.8, **O.D.** 68.00, **L.** 52.40, **Brush gear** w/o, **Magnets** w/o

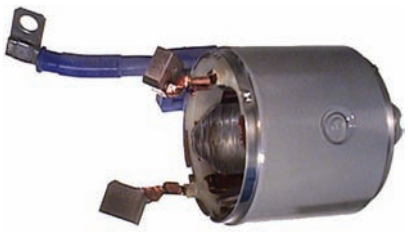


136897 Yoke Assy

Replacing: 31206-pr4-0030; 8-94377254-0; 11197-63081; 028100-6350; -710; 028100-7110; 28120-66040; 28120-74070

Servicing: 128000-7002; -140; -390; -8320; -8321; -8322; -8360; -8400; -9300; -9310; -9520; -9700; -9701; -971

V. 12, **kW.** 1.4, **O.D.** 75.80, **L.** 62.60, **Brush gear** w/o, **Magnets** With



137350 Yoke Assy

Replacing: 31206-657-671; 5-81110011-0; 5-81111001-1; 028100-2751; 028100-3751; 028100-5170; 49202-7212; 28120-

Servicing: 028000-4540; -5900; -5910; -5911; -5912; -6000; -6001; -6030; -6300; -6361; -6362; -6620; -6700; -6

V. 12, **kW.** 0.9/1.0, **O.D.** 68.00, **L.** 53.00, **Brush gear** w/o
Brush set: Cargo 140396.

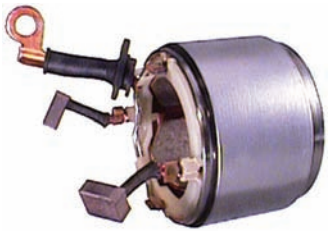


137374 Yoke Assy

Replacing: 028100-4240

Servicing: 028000-9181; -2; -202; -203; -210; -220; -221; -230; -240; -890; 128000-0031; -2; -370; -1270; -128

V. 12, **kW.** 0.6, **O.D.** 76.00, **L.** 77.00, **Brush gear** w/o, **Magnets** w/o



137954 Yoke Assy

Replacing: 028100-6200; -80; 028100-7230

Servicing: 128000-7122; -560; -8220; -8310; -8311; -8312; -8460; -8470; -8480; -8784; -9190; -9191; -9380; 228

V. 12, **kW.** 1.0, **O.D.** 76.00, **L.** 55.00, **Brush gear** w/o, **Magnets** w/o

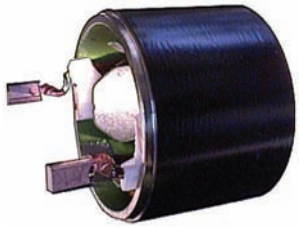


137977 Yoke Assy

Replacing: 028100-6130; 28120-64040

Servicing: 128000-5350; -760; -9560; 228000-0200; -460; -880; -1690; -1780; -1850; -3000; -3640; -3680; -4980;

V. 12, **kW.** 2.2, **O.D.** 83.00, **L.** 117.00, **Brush gear** w/o, **Magnets** w/o



138355 Yoke Assy

Replacing: 8-94239105-0; 14278-63081; 1345-24-730a; 028100-3100; 028100-4040; -390; 028100-8190; 49202-7002; 31

Servicing: 028000-5334; -5; -6380; -6381; -6382; -6383; -6384; -6385; -6520; -6802; -6803; -6810; -6811; -6812

V. 12, **kW.** 0.8, **O.D.** 91.00, **L.** 72.00, **Brush gear** w/o, **Magnets** w/o



139149 Yoke Assy

Replacing: 028100-6970; 28120-54380

Servicing: 228000-2120; -680; -980; -990; -3260; -3840; -3850; -3851; -3980; -4050; -4291; -4570; -4790; -4830

V. 12, **kW.** 2.0, **O.D.** 78.00, **L.** 67.50, **Brush gear** w/o, **Magnets** w/o



139489 Yoke Assy

V. 12, **kW.** 1.7, **O.D.** 76.00, **L.** 112.70, **Brush gear** w/o, **Magnets** w/o



230052 Yoke Assy

Replacing: 028100-6510; 28120-76070

Servicing: 128000-8210; 228000-2841

V. 12, **kW.** 1.4, **O.D.** 75.65, **L.** 62.40, **Brush gear** w/o, **Magnets** w/o



230057 Yoke Assy

Replacing: 8-94367770-0; 028100-6150; -630; 028100-7750

Servicing: 128000-6212; -7400; -8870; -8871; -8880; -8881; -8970; -8971; -8980; -8981; -9200; -9201; 228000-07

V. 12, **kW.** 1.0, **O.D.** 68.00, **L.** 62.60, **Brush gear** w/o, **Magnets** w/o



230894 Yoke

Replacing: 8-94122588-0; 028100-3541

Servicing: 028000-7110; -1; -720; -8590; -9361; 128000-0350; -1; -1070; -1210; -2170; -2500; -4891

V. 12, **kW.** 0.8/0.9, **O.D.** 91.00, **L.** 71.65, **Brush gear** w/o, **Magnets** w/o



231732 Yoke Assy

Replacing: 28120-87704-000; 31218-p64-n010m; 028100-6920

Servicing: 228000-1250; -2; -60; -3120; -3121; -3430; -4121; -4130; -4131; -4620; -4890

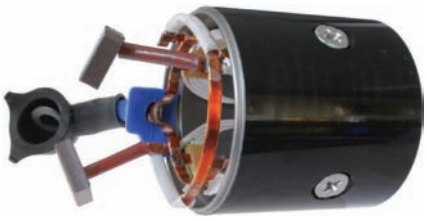
V. 12, **kW.** 0.8, **O.D.** 76.00, **L.** 77.15, **Brush gear** w/o, **Magnets** w/o



234420 Yoke

V. 12, **kW.** 1.8, **O.D.** 78.15, **L.** 69.80, **Brush gear** w/o, **Magnets** w/o

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



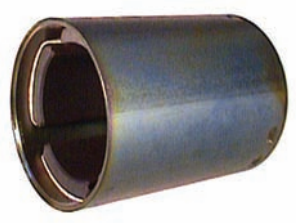
235097 Yoke

Replacing: 028100-7420

Servicing: 228000-1770; -1; -2; -4930; -5220; -5340

V. 12, **kW.** 2.7, **O.D.** 90.38, **L.** 89.57, **Brush gear** w/o, **Magnets** w/o

Yokes w/magnets



139436 Yoke Assy

Replacing: 028100-4190; -090; -230; 12234-63202

Servicing: 028000-8411; -22; -9133; -9620; -9622; -9623; -9872; -9880; -9882; -9883; 128000-1431; -550; -551;

V. 12, **kW.** 0.6, **O.D.** 68.00, **L.** 88.00, **Brush gear** w/o, **Magnets** With

Field Coils



135749 Field Coil

Replacing: 028100-2450; -540; -641; 135799

Servicing: 028000-3641; -2; -4343; -4450; -4990; -5060; -5190; -5390; -5780; -5800; -5821; -5822; -5991; -5992

V. 12, **kW.** 1.4, **H.** 98.00, **Brush gear** w/o



135750 Field Coil

Replacing: 028100-2881; 028100-3800; 028100-5390; 028100-6320; 28120-22060; 28120-56071; 28120-77090; 028100-53

Servicing: 028000-4800; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5550; -5551; -5552; -5553; -5570; -5

V. 24, **kW.** 4.5, **H.** 94.00, **Brush gear** w/o



135751 Field Coil

Replacing: 028100-3810; -001; 028110-1910; 28120-47040

Servicing: 028000-5000; -490; -541; -542; -543; -560; -561; -581; -660; -661; -870; -871; -880; -6060; -6061;

V. 12, **kW.** 2.5/2.7, **H.** 94.40, **Brush gear** w/o



135752 Field Coil

Replacing: 028100-3310; -1

Servicing: 028000-6200; -1; 128000-7600; -1; -2; -8061; -8062; -8063; -8064

V. 24, **kW.** 4.5, **H.** 99.55, **Brush gear** w/o



135852 Field Coil

Replacing: 028110-1090; 028100-2350; 028110-1091; -2

Servicing: 028000-3290; -1; -2; -650; -970; -971; -4930; -5040; -5960; -5961; -6920; -7430; -7431; 128000-0260

V. 12, **kW.** 4.0, **H.** 139.55, **Brush gear** w/o



135864 Field Coil

Replacing: 028110-0480; -640; -641

Servicing: 028000-1370; -3050; -3240; -4042; -4690; -4691; -4700; -5140; -5730; -8220; 128000-9950; 228000-080

V. 12, **kW.** 1.0, **H.** 94.35, **Brush gear** w/o



136184 Field Coil

Replacing: 028110-0690; -1

Servicing: 028000-2151; -4050; -4650; -4651; -4680; -4681; -4710; -5070; -5071; -5470; -6790; -9690; 128000-27

V. 12, **H.** 75.90, **Brush gear** w/o *0.6/0.8 kW.*



138382 Field Coil

Replacing: 028110-1320; 028110-2010; 028110-1211

Servicing: 028000-1850; -973; -975; -976; -2240; -2241; -3360; -3361; -3500; -3501; -3800; -3830; -4440; -4480

V. 12, **kW.** 0.8, **H.** 95.15, **Brush gear** w/o



138384 Field Coil

Replacing: 028110-0740; -1
Servicing: 028000-4790; -5720; -6070; -6330; -6510; -6511; -7311; -8020; -8730; -9410
V. 12, **kW.** 0.6, **H.** 76.00, **Brush gear** w/o



139160 Field Coil

Replacing: 028110-0610; -770
Servicing: 028000-2260; -1; -2; -3; -360; -361; -362; -363; -364; -680; -681; -682; -3050; -3051; -3052; -3611
V. 12, **kW.** 0.9, **H.** 101.00, **Brush gear** w/o



232907 Field Coil

Replacing: 1-81111003-0; 028100-4410
Servicing: 128000-0490; -2470; -3361; -4220; -4910; -5370; -5510; -5620; -5720; 228000-3310; -20; -5621; -5730
V. 12, **kW.** 3.0, **H.** 108.15, **Brush gear** w/o



232908 Field Coil

Replacing: 028100-5410; 028110-5081; 138676
Servicing: 128000-2450; -560; -740; -4250; -5730; -5731; -5732; 228000-2470; -5000; -5001; -5052; -6572; -7380
V. 24, **kW.** 5.5, **H.** 110.60, **Brush gear** w/o



232909 Field Coil

Replacing: 028110-1330
Servicing: 028000-3930; -5920
V. 12, **kW.** 2.5, **H.** 126.90, **Brush gear** w/o



235245 Field Coil

Servicing: 028000-7000; -1; -740; -790; -791; -8130; -8210; -8371; -9031; 128000-0570; -950; -1880; -2160; -31
V. 12, **kW.** 2.0, **H.** 104.94, **Brush gear** w/o

Accessories

Pkg 5



132063 Insulator

Servicing: 028000-4343; -5821; -5822; -7550
O.D. 65.15, **I.D.** 49.15, **H.** 23.00, **Insulator** 5

Pkg 5



134867 Field Coil Insulator

Assort. 803031

Pkg 10



136604 Terminal Flag

C.E. Brackets



134507 C.E. Bracket

Replacing: 028501-1410; 028501-7040; 28130-87705
Servicing: 028000-9510; 128000-2210



136183 C.E. Bracket

Replacing: 028501-0970; 028501-6890
Servicing: 028000-5581; -6880; -6891; -6892; -6893; -7800; -7801; -7802; -8070; 128000-0520; -1790; -2930; -29



137855 C.E. Bracket

Replacing: 028501-6210
Servicing: 128000-2851; -3190; -8200; 228000-2851
I.D. 71.50

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



138156 C.E. Bracket

Replacing: 31209-pc2-661; -71; 028501-1240
Servicing: 028000-7700; -9320; -9321; 128000-0130; -300; -2190; -5110



230359 C.E. Bracket

Replacing: 1005851078; 250359
Servicing: 0001116001; -3; -5; -6; -8; -9



230852 C.E. Bracket

Replacing: 028500-5320; -430; -730; 31170-51a80; 028500-6410
Servicing: 128000-3250; -1; -60; -61; -4050; -4060; -4800; -5480; -6111; -6112; -7050; 228000-3130; -1
I.D. 64.30



231311 C.E. Bracket

Replacing: 028504-0550; 28130-13010
Servicing: 028000-5911; -2; -9720; 128000-1370; -2060; 228000-2020; -760; -5950
I.D. 64.50



231387 C.E. Bracket

Replacing: 028501-6510
Servicing: 128000-8350; -60; 228000-2810; -90; -3060



231483 C.E. Bracket

Replacing: 028501-6600; 28130-76070
Servicing: 128000-7140; -1; -8110; -8111; -8210; 228000-2841



231529 C.E. Bracket

Replacing: 028401-6490; 028501-6490; 028501-7200
Servicing: 128000-8320; -1; -2; -9870; 228000-0990; -1000; -1020; -1080; -1530; -2280; -2570; -2580; -6000
I.D. 72.00



231600 C.E. Bracket

Replacing: 028501-7650; 28130-54380
Servicing: 228000-2120; -680; -690; -700
I.D. 74.00



231601 C.E. Bracket

Replacing: 31209-pdi-0040; 028504-1140
Servicing: 028000-9120; -1; -580; 128000-0120; -280; -810; -910; -2140; -2600; -4700; -4750; -5080; -5700; -69
I.D. 65.00



231638 C.E. Bracket

Replacing: 028501-1380; -460; 028501-7850; 28130-35020; 28130-65090; 28130-72020
Servicing: 028000-9270; -380; 128000-0620; -2; -1170; -1250; -1251; -1630; -2590; -3350; -3500; -3990; -4950;
I.D. 71.90



233140 C.E. Bracket

Replacing: 028501-7190; -250
Servicing: 128000-7500; -810; -8030; 228000-0420; -810; -820; -1560; -1910; -3020; -3390; -5670; -7420
I.D. 72.00



233547 C.E. Bracket

Replacing: 028501-7130; 28130-64130
Servicing: 128000-9860; -80; 228000-1900; -3620; -3630; -4970
I.D. 72.00



233551 C.E. Bracket

Replacing: 028500-5660; 028500-7250; 028500-5700; 28130-16070; 028500-7340
Servicing: 128000-5680; -1; -2; -6212; -6420; -6422; -8880; -8881; -9220; -9470; 228000-0940; -1; -1331; -1550
I.D. 64.00



234045 C.E. Bracket

Replacing: 028504-0610
Servicing: 128000-3470; -1; -2; -5941; -5942
I.D. 69.25

234186 C.E. Bracket

Replacing: 028504-0710; 028504-1210; 028504-5480
Servicing: 028000-6391; -2; -3; -4; -5; -6; -810; -811; -812; -813; -7102; -7280; -7330; -7331; -7332; -7720;
I.D. 86.50



235032 C.E. Bracket

Servicing: 228000-7220
I.D. 73.60



235202 C.E. Bracket

Servicing: 228000-9540



235287 C.E. Bracket

Replacing: 028504-0570
Servicing: 028000-6000; -1; -7620; -8290; -8320; -8321; -8432; 128000-0101; -2; -2120; -3590; -5261; -5840; -6
I.D. 64.94

D.E. Brackets



134501 D.E. Bracket

Replacing: 028400-4690
Servicing: 028000-7320; -1; -90; -91; -92; -9710



134502 D.E. Bracket



134503 D.E. Bracket

Replacing: 31203-pe0-661; 128400-0280
Servicing: 128000-0280; -810; -910; -2140; -5080; 228000-0210; -1



134504 D.E. Bracket

Replacing: 31203-pd1-0040; 028400-5900
Servicing: 028000-9120; -1; -580; 128000-0120

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



134505 D.E. Bracket

Replacing: 028400-3361; 028401-3370

Servicing: 028000-4320; -3; -540; -900; -940; -5100; -5110; -6930



134506 D.E. Bracket

Replacing: 028401-2831; 028401-4660; 028400-5160

Servicing: 028000-4340; -3; -6350; -8060; -9070



134508 D.E. Bracket

Replacing: 028400-3910; -1; 28110-15020

Servicing: 028000-6000; -1; 128000-0101; 228000-5660



134510 D.E. Bracket

Replacing: 8-94172328-0; 128400-1700

Servicing: 128000-1900; -2040; -5630



135489 D.E. Bracket

Replacing: 028400-4830; 28110-34080; 028400-3840

Servicing: 028000-5900; -7560; 128000-8240; -560; -561; 228000-2860



135490 D.E. Bracket

Replacing: 028400-5840; 28110-60070

Servicing: 028000-8220; -850



136071 D.E. Bracket

Replacing: 028400-5830; 28110-72010
Servicing: 028000-9260; 128000-0500; -3340; 228000-2880; -3200; -3290



136073 D.E. Bracket

Replacing: 028400-6220; 28110-15130
Servicing: 028000-9720; 128000-2060



136074 D.E. Bracket

Replacing: 31203-pb2-0160; 028400-4630
Servicing: 028000-6620; -7171; -7190; -7191; -7990; -8000; -8670; 128000-0700



136076 D.E. Bracket

Replacing: 028400-3050; 028400-4990; -1
Servicing: 028000-4050; -600; -601; -650; -651; -680; -681; -710



136182 D.E. Bracket

Replacing: 128401-1790; 28115-56180
Servicing: 128000-1790; -3080; -3081; -3082



136243 D.E. Bracket

Replacing: 028401-6201; 028404-6201; 28115-54011
Servicing: 028000-5581; -6870; -6871; -6872; -6880; -6881; -6882; -6891; -6892; -6893; -6900; -6901; -6902; -6



136561 D.E. Bracket

Servicing: M1T70985



136564 D.E. Bracket

Replacing: 128400-1370; 28110-63050
Servicing: 128000-1370; -7330; 228000-2020; -760



136572 D.E. Bracket

Replacing: 128400-3470; 28110-74010
Servicing: 128000-3470; -1; -2

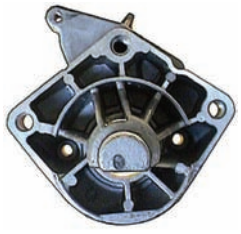


136573 D.E. Bracket

Replacing: 128400-4420; 28110-16020
Servicing: 128000-4420; -5780; -5781; 228000-0311; -1110



136574 D.E. Bracket



136757 D.E. Bracket

Replacing: 128400-3500
Servicing: 128000-3500; -7500; 5227248; -34648

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



136933 D.E. Bracket

Servicing: 028000-4042; -690; -691; -700



136934 D.E. Bracket

Replacing: 128400-0220; 28110-72030; 128401-0220

Servicing: 128000-0220



136935 D.E. Bracket

Replacing: 5-81113036-0; 028401-6331

Servicing: 028000-7000; -1; -2; -3; -790; -791; -792; 128000-0020; -3100; -3101; -4660; -4661; -4662; -6360; -



137079 D.E. Bracket

Replacing: 128400-1861; 128400-3640; 31151-85290

Servicing: 028000-9090; -1; 128000-1861; -2; -3641



137377 D.E. Bracket

Replacing: 28118-87601-000; 028401-5811

Servicing: 028000-6290; -1



137378 D.E. Bracket

Replacing: rf01-24-710; 128401-0060

Servicing: 128000-0040



137423 D.E. Bracket

Replacing: 128400-1440; 28110-10040

Servicing: 128000-1440; -1; 228000-4320



137434 D.E. Bracket

Replacing: 8-94152521-0; 028400-4870; 128400-1070

Servicing: 028000-7580; -1; 128000-1070; -2170; -2430; -3231



137440 D.E. Bracket

Replacing: 028400-4840; 49201-7212

Servicing: 028000-7600; -8580; -8581; 128000-1220; -4840



137448 D.E. Bracket

Replacing: 128401-5350; 28115-64040; 128400-5211; -2

Servicing: 128000-5210; -1; -350; -9560; 228000-0460; -550; -551; -3640; -3680; -5960



137539 D.E. Bracket

Replacing: 128400-1570; -1; 128401-1570; 28115-56150; 128401-1571

Servicing: 128000-1560; -1; -70; -71; -72; -73; -74; -80; -81; -82; -83; -84; -85; -6170; -6171; -6172; -6173;



137645 D.E. Bracket

Replacing: 128400-9880

Servicing: 128000-9880; 228000-1900



137646 D.E. Bracket

Replacing: 128400-7190
Servicing: 128000-7190



137975 D.E. Bracket

Replacing: 31203-ph7-661; 128400-2830
Servicing: 128000-2830



138378 D.E. Bracket

Replacing: 28110-87505-000; 028400-6120
Servicing: 128000-3621



139076 D.E. Bracket

Replacing: 128400-8530; -1; 28110-11010; 128400-8532; -890; -891; -892
Servicing: 128000-8530; -1; -890; -891; 228000-4020; -30; -6740; -6750; -6760



139077 D.E. Bracket

Replacing: 128400-9300; 28110-46090
Servicing: 128000-9300; -520; 228000-0340; -1960; -1970; -2090; -3240; -3250



139225 D.E. Bracket

Replacing: 028401-7611; 28115-64020
Servicing: 028000-8370; -1; 228000-0450



139229 D.E. Bracket

Replacing: 028400-4150; -1; 28110-13020
Servicing: 028000-6490; -1; -2; -3; -4; -5; -7091; -7092; -7093



139231 D.E. Bracket

Replacing: 128400-5980
Servicing: 128000-5980



139454 D.E. Bracket



139769 D.E. Bracket

Replacing: 228400-1100
Servicing: 228000-1100; -710



139770 D.E. Bracket

Replacing: 228400-2330
Servicing: 228000-2570; -80; -3280



139781 D.E. Bracket

Replacing: 128400-5580
Servicing: 128000-5580; -1; 228000-2730

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



139782 D.E. Bracket

Replacing: 128400-9710
Servicing: 128000-9710; -20; 228000-0420; -820; -830; -1910; -2500; -5490; -5670; -5680



139783 D.E. Bracket

Replacing: 128400-5560
Servicing: 128000-5560; -1; -71; 228000-2740; -50



230529 D.E. Bracket

Replacing: 128400-1620; -1; 28110-10030
Servicing: 128000-1620; -1; 228000-4310



230895 D.E. Bracket

Replacing: 15231-63032; 028400-5040; -1
Servicing: 028000-7460; -1; -2; -70



230899 D.E. Bracket

Replacing: 128401-8620; 28115-17020
Servicing: 128000-8620; -1; 228000-1600; -1; -10; -11; -2030; -2031; -5980; -5990



230909 D.E. Bracket

Replacing: 15504-63031; 028400-5320
Servicing: 028000-8320; 128000-3590; -5261; -5410; 228000-0800; -960



232492 D.E. Bracket



233504 D.E. Bracket



233552 D.E. Bracket

Replacing: 128400-5682; 28110-16070
Servicing: 128000-5680; -1; -2; 228000-2900; -6840



234144 D.E. Bracket

Replacing: 228401-5020
Servicing: 228000-5020



234185 D.E. Bracket

Replacing: 028403-6310
Servicing: 028000-9900; 128000-0600



234187 D.E. Bracket

Replacing: 128400-6780
Servicing: 128000-6780



234705 D.E. Bracket

Replacing: 128400-0050
Servicing: 128000-0050



234881 D.E. Bracket

Replacing: 127400-9730
Servicing: 128000-9730

Bushing in D.E. Bracket: Cargo 140183, 140187, 140194.



234893 D.E. Bracket

Servicing: 028000-9270; 128000-1250; -1

Bushing in D.E. Bracket: Cargo 140183, 140187, 140194.



235033 D.E. Bracket

Servicing: 228000-7220



235096 D.E. Bracket

Replacing: 228400-4930
Servicing: 228000-4930; -5340; -5341; 428000-0290



235186 D.E. Bracket

Servicing: 128000-7600; -1; -2; -3; -4

235306 D.E. Bracket

Servicing: 228000-9540

Needle bearing: Cargo 140767.



235332 D.E. Bracket

Replacing: 228400-3980
Servicing: 228000-3980; -1

235358 D.E. Bracket

Replacing: 028400-4850; 28110-41060
Servicing: 028000-7620; -8290

Solenoids



130814 Solenoid

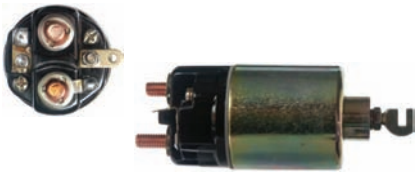
Replacing: toj400; 0221-23-786; 0578-23-764; 053400-1040; -102; -260; 053400-2251; -340; -440; -880; 053400-333
Servicing: 028000-1850; -975; -976; -2001; -2150; -2151; -2240; -2241; -2260; -2261; -2262; -2263; -2360; -236
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 134627.



131084 Solenoid

Replacing: toj401; 053400-0150; 053400-1810; -1; 053400-2160; -551; -557; 053400-3340; 28150-12030; -1; 28150-2
Servicing: 028000-1973; -2000; -3710; -4042; -4270; -4330; -4331; -4332; -4490; -4690; -4691; -4700; -4750; -4
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131374.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



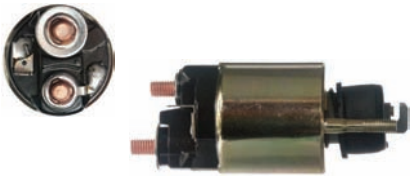
131803 Solenoid

Replacing: 31204-657-006; -15; toj184; 053400-2460; 053400-3190

Servicing: 028000-5430

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 138824.



131807 Solenoid

Replacing: 053400-3840; -90; -931; -932; 053400-4870; 053400-5050; -240; -560; 053400-6500; -50; 053400-7220; -

Servicing: 028000-5330; -1; -2; -3; -4; -5; -6380; -6381; -6382; -6383; -6384; -6385; -6391; -6392; -6393; -63

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133099. Contact plate: Cargo 135016.



132057 Solenoid

Replacing: 0191-23-764; 0603-23-764; 0636-23-764; 053400-0350; -490; -491; -680; -750; -800; -801; -820; -890;

Servicing: 028000-1370; -730; -3005; -4471

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 134627.



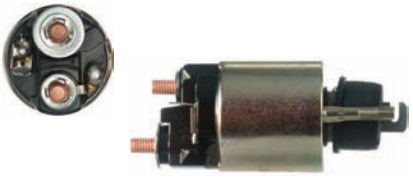
132641 Solenoid

Replacing: 9g5517; 053400-1720; 053400-2740; -870; 053400-3490; -1; -2; -570; 053400-4530; 053400-6030

Servicing: 028000-3290; -1; -650; -930; -970; -4930; -5040; -5920; -5960; -5961; -6920; 128000-0260; -770; -20

V. 12, **B+** M10, **Coil bolt** M10

Cap: Cargo 137869.



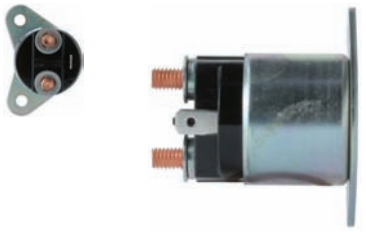
133675 Solenoid

Replacing: 31204-pa5-911; -91; 31204-pc1-004; 053400-5280; -2; -90; -92; zm-702

Servicing: 028000-8010; -160; -460; -690; -700; -9100; 128000-0290; -370; -670; -680; -920; -4710; -5230; -612

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133099.



133711 Solenoid

Replacing: 31204-za0-003; 182800-0930; 182800-1050; -210; -570; 12234-63081; 12264-63081; 13815-63081; 13968-63

Servicing: 028000-8411; -22; -9133; -9620; -9622; -9623; -9821; -9880; -9882; -9883; 128000-1550; -1; -2240; -

V. 12, **B+** M6, **Coil bolt** M6



133723 Solenoid

Replacing: 28150-87205-000; 28150-87505-000; 28150-87506-000; 053400-5120; -50; -820; 053400-8740

Servicing: 028000-7280; -440; -940; 128000-0090; -1; -350; -351; -461; -660; -1890; -2530; -2550; -4212; -5520

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133099. Contact plate: Cargo 135016.



133809 Solenoid

Replacing: 8-94361908-0; 053400-7130; 053400-8690; -730; -780; 153400-0850; 312205-2a20; zm-705; 28150-10020

Servicing: 128000-2610; -1; -82; -3040; -3090; -3091; -4020; -4230; -4270; -4350; -4530; -4532; -4540; -4561;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133099. Contact plate: Cargo 135016.



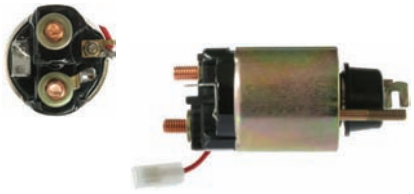
134413 Solenoid

Replacing: 4n6938; 053400-1350; -1; -680; 28150-66011; 28150-77060; 053400-2090; ME021996; ME023103; 28150-7706

Servicing: 028000-4130; -1; -5250; -5251; 128000-0480

V. 24, **B+** M10, **Coil bolt** M10

Cap: Cargo 137869.



134933 Solenoid

Replacing: 053400-5000; -1; -250; 18150-31040; -50

Servicing: 028000-7520; -1; -680; -681; -9090; -9091; -9940; 128000-1861

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 134934. Contact plate: Cargo 135016.



135590 Solenoid

Replacing: m371x63171; -271; -571; m371x79273; 31220-82230; 021200-3251

Servicing: 100211-0141; -2; -321; -322; M2T30281; -385; -585; -586; -685; -785; -3871; -41881; M3T24486A; -H;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 137797.



135652 Solenoid

Replacing: 053400-7800; 053400-8510; 31220-51a10; 28150-87208; zm-707; 31220-52A20; 28150-11710

Servicing: 128000-2621; -31; -980; -3662; -4030; -4031; -4040; -4050; -4060; -4061; -4070; -4130; -4160; -4170

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 137371.



136886 Solenoid

Replacing: 153400-1520; 28150-16160; 153400-3750

Servicing: 228000-0940; -1; -2900; -4020; -4030; -6740; -6750; -6760; -8360; -8550

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 235274.



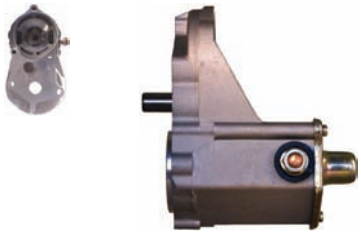
137033 Solenoid

Replacing: 053400-1900; 28150-56011; 28150-56011-000

Servicing: 028000-5160

V. 24, **B+** M8, **Coil bolt** M8

Cap: Cargo 138815.

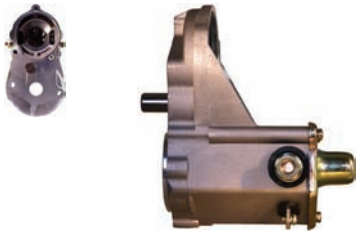


137566 Solenoid Housing

Replacing: 053400-2600; 053400-3940; 053400-4700; 053400-8110; -1; -2; -3; 053400-9500; -70; -71; 153400-0540;

Servicing: 028000-5300; -1; -530; -531; -532; -550; -551; -552; -553; -890; -891; -6200; -6201; -6340; -6341;

V. 24, **B+** M10, **Coil bolt** M10



137567 Solenoid Assy

Replacing: 053400-2520; -50; 053400-3090; -550; 053400-4200; -1; -2; -610; -730; 053400-9240; 053400-4770

Servicing: 028000-4800; -5570; -5571; -5651; -5652; -5840; -5841; -5860; -5862; -5863; -6010; -6012; -6013; -6

V. 24, **B+** M10, **Coil bolt** M10



137568 Solenoid Housing

Replacing: 053400-7310; -1

Servicing: 128000-1570; -1; -2; -3; -4; -6170; -6171; -6172; -6173; -7280; -7281; -7282; -7283; 228000-0270; -

V. 24, **B+** M10, **Coil bolt** M10



137980 Solenoid Assy

Replacing: 053400-0130; 053400-4170; -1; -80; -81; -82; -90; -91; 153400-0130; -950; -951; 153400-1291; 25150-5

Servicing: 028000-5581; -6870; -6871; -6872; -6880; -6881; -6882; -6891; -6892; -6893; -6910; -6911; -6912; -8

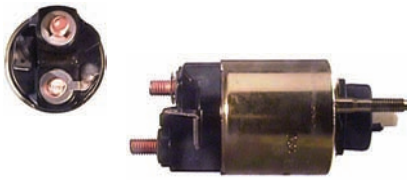
V. 12, **B+** M10, **Coil bolt** M10

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



138002 Solenoid Assy

Replacing: 053400-8320; 153400-1280; 153400-0340; 28150-74070
Servicing: 128000-3480; -1; -2; -5951; -5952; -7390; -8400; -9710; -9720; -9950; 228000-0800
V. 12, **B+** M8, **Coil bolt** M8



138014 Solenoid

Replacing: 053400-8750; 28150-87512; zm-708
Servicing: 228000-4641
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133099.



138183 Solenoid Assy

Replacing: 28150-87714-000; 28150-87716-000; 28150-87719-000; 053400-4900; 053400-7140; 153400-1010; -1; -640;
Servicing: 028000-5900; -7560; -8220; -9260; 128000-1440; -1; -520; -3670; -6300
V. 12, **B+** M8, **Coil bolt** M8



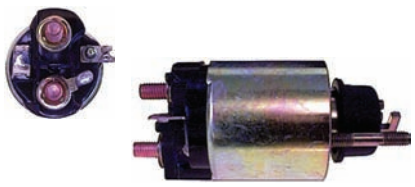
138184 Solenoid Assy

Replacing: 053400-8260; 053400-9361; 153400-3290; 28150-72080
Servicing: 128000-3340; -4420; 228000-3330
V. 12, **B+** M8, **Coil bolt** M8



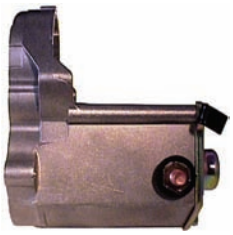
138420 Solenoid Assy

Replacing: 053400-9710
Servicing: 128000-9380
V. 12, **B+** M8, **Coil bolt** M8
w/ solenoid plug.



138813 Solenoid

Replacing: 053400-6090; 31220-79620
Servicing: 028000-9220; -1
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 135090.



138878 Solenoid Assy

Replacing: 15504-63021; 053400-5360; -1
Servicing: 028000-8290; -320
V. 12, **B+** M8, **Coil bolt** M8
w/ solenoid plug.



139490 Solenoid Assy

V. 12.0, **B+** M8, **Coil bolt** M8



230386 Safety Switch

Replacing: 1337210726; -8; 128800-3140; 182800-3140; 1337210731
Servicing: 0001371010; -3; -5; -6; -8; -9; -2001; -2002; -2003; -2005; -2006; -2007; -2008
V. 24



230488 Solenoid Assy

Replacing: 31210-pe0-6620; 31210-po1-0030; 053400-6321; 153400-1150
Servicing: 128000-0280; -2140; -2600; -4750; -5080; -6930; -6940; 228000-0210; -1
V. 12, **B+** M8, **Coil bolt** M8



230561 Solenoid Assy

Replacing: rf01-24-736; 053400-4340; -1; 053400-6120; -1; 153400-1790
Servicing: 028000-7000; -1; -2; -3; 128000-0020; -40; -960; -3100; -3101
V. 12.0, **B+** M8, **Coil bolt** M8



230562 Solenoid Assy

Replacing: 28150-87305-000; 28150-87601-000; 053400-9350
Servicing: 128000-5760
V. 12.0, **B+** M8, **Coil bolt** M8



230574 Solenoid Assy

Replacing: 053400-3470; 053400-7300; -1; 153400-2320; 28150-17040
Servicing: 028000-5870; -1; -6290; -6291; -6292; -8490; -8491; 228000-1610; -1; -2030; -2031
V. 12.0, **B+** M10, **Coil bolt** M10



230575 Solenoid Assy

Replacing: 053400-3481; 153400-3480; 153400-7580; 053400-3480; 053400-7580
Servicing: 028000-5880; -8400
V. 12.0, **B+** M10, **Coil bolt** M10



230576 Solenoid Assy

Replacing: 053400-1970; 053400-2790; 053400-3060; -1; -2; -81; 053400-4090; -1; -100; -790; 053400-5640; -800;
Servicing: 028000-5371; -560; -561; -6780; -6891; -6893; -8070; -8072; -8340; -8840; -8841; -8842; 128000-0210
V. 12.0, **B+** M10, **Coil bolt** M10



230578 Solenoid

Replacing: 19013-63021; 153400-2240
Servicing: 028000-6250; 128000-9730; 228000-1070
V. 12.0, **B+** M8, **Coil bolt** M8
w/ solenoid plug.



230579 Solenoid Assy

Replacing: 153400-3760
Servicing: 128000-7810; 228000-3390
V. 12.0, **B+** M8, **Coil bolt** M8



230580 Solenoid Assy

Replacing: 053400-9922; -30
Servicing: 128000-8030
V. 12.0, **B+** M8, **Coil bolt** M8



230581 Solenoid Assy

Replacing: 053400-9360; 153400-4220; 28150-16110
Servicing: 128000-5780; -1; -7010; -7560; -8350; -8360
V. 12.0, **B+** M8, **Coil bolt** M8



230582 Solenoid Assy

Replacing: 153400-0740; 153400-1340; 28150-46090; -120; 153400-2250; 153400-1890; -80; 153400-6520
Servicing: 128000-9300; -520; 228000-0340; -950; -980; -990; -1040; -1530; -2090
V. 12.0, **B+** M8, **Coil bolt** M8
w/ solenoid plug.



230583 Solenoid Assy

Replacing: 28150-75130; 153400-3690
V. 12.0, **B+** M8, **Coil bolt** M8
w/ solenoid plug.



230584 Solenoid Assy

Replacing: 153400-0470; 28150-76070
Servicing: 128000-7002; -122; -8210; -8784; -9190; -9191
V. 12, **B+** M8, **Coil bolt** M8



230827 Solenoid Assy

Replacing: 053400-4753; -4; 153400-1371; -400; 28150-54181; -290
Servicing: 028000-7370; -2; -3; -8140; -8141; -8142; -8760; -8761; -8762; -9590; -9591; -9592; 128000-7350; -1
V. 12.0, **B+** M8, **Coil bolt** M8





231925 Solenoid

Replacing: 1115617; d924a; zm-467; 028300-4030
Servicing: 37MT. 1993866; -971
V. 12, **B+** M14-1.5, **Coil bolt** M14-1.5
Insulated base. Cap: Cargo 232038.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



231997 Solenoid

Replacing: 053400-1150; -1; -740; -870; -880; 053400-2120; -250; 053400-3000; -10; -370; zm-661; 28150-24010; 2

Servicing: 028000-3360; -1; -611; -4440; -4601; -4651; -4860

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 232020.



231998 Solenoid

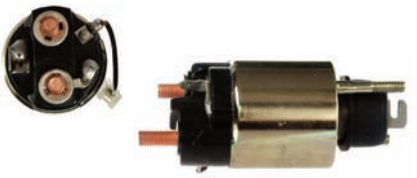
V. 12

Cap: Cargo 232227.



231999 Solenoid

V. 12



232000 Solenoid

Replacing: 053400-4430; -1; -2; -640; -642; -643; 23343-84a07; zm-704

Servicing: 028000-5334; -5; -6380; -6381; -6382; -6383; -6384; -6385; -6391; -6392; -6393; -6394; -6395; -6396

V. 12, **B+** M8, **Coil bolt** M8



232478 Solenoid Assy

Replacing: 053400-6470; -1

Servicing: 128000-0710; -3410; 228000-0111

V. 12, **B+** M8, **Coil bolt** M8



233453 Solenoid

Servicing: 228000-7550

V. 24, **B+** M10



233454 Solenoid

Servicing: 228000-5641

V. 24, **B+** M10, **Coil bolt** M10



233703 Solenoid

Replacing: 153400-0331; -2; 153400-2230; 153400-4140; 11173-63021

Servicing: 128000-8320; -1; -2; 228000-1000; -20; -80; -6321; -7141

V. 12.0, **B+** M8, **Coil bolt** M8



233897 Solenoid

Replacing: 28150-74120; 153400-4030

Servicing: 128000-9710; 228000-0420; 28100-62010

V. 12.0, **B+** M8, **Coil bolt** M8



233932 Solenoid

Replacing: 153400-0890

Servicing: 128000-6780; 228000-1140

V. 12, **B+** M8, **Coil bolt** M8



233951 Solenoid

Replacing: 053400-4810; 053400-9630

Servicing: 028000-6560; -7430; -7431; 128000-4340; -5330; -5331; -6060; -6070; -6080; -9800; 228000-0100; -139

V. 12, **B+** M14, **Coil bolt** M14



233952 Solenoid

Replacing: 053400-9890; -1

Servicing: 128000-5970; -7230; -7250; 228000-2360; -70; -4600; -4690

V. 12, **B+** M12, **Coil bolt** M12

Cap: Cargo 233953.



234075 Solenoid

Replacing: 153400-0030; 153400-2510
Servicing: 128000-7710; -2; -3; -4; -9751; -9752; 228000-2060; -1; -4000; -4001
V. 12, **B+** M8, **Coil bolt** M8



234143 Solenoid

Replacing: 153400-4291; -2; -3
Servicing: 228000-5020
V. 12, **B+** M8, **Coil bolt** M8



234419 Solenoid

Replacing: 153400-3831
Servicing: 228000-3980; -1; -4960; -4961; -7220
V. 12, **B+** M8, **Seconds** 1.8, **Coil bolt** M8



234661 Solenoid

Replacing: 053400-8160; 053400-0903; 053400-6380
Servicing: 028000-8620; -9860; 128000-0050; -5850; -8070; -8200
V. 12, **B+** M8, **Coil bolt** M8



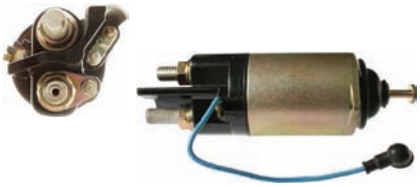
234681 Solenoid

Replacing: 053400-9410; -1; -2
Servicing: 128000-5730; -1; -2; -3
V. 24, **B+** M12



234831 Solenoid

Replacing: 053400-9402; 153400-3300
Servicing: 128000-5720; -1; -2; -3; 228000-3310; -5730
V. 12, **B+** M12



234876 Solenoid

Replacing: 053400-9750; -1
Servicing: 128000-7170; -2; -4; -240; -520
V. 24, **B+** M12, **Coil bolt** M12



234879 Solenoid

Replacing: 153400-2810; 31210-p0a-0030; 31210-poa-0030
Servicing: 228000-2260
V. 12, **B+** M8



234880 Solenoid

Servicing: 228000-2890; -3060
V. 12, **B+** M8



234915 Solenoid

Replacing: 153400-1821; 153400-3980; 28150-74130; -40
Servicing: 228000-0820; -1; -2; -3; -30; -31; -32; -2500
V. 12



234916 Solenoid

Replacing: 153400-3680; -1; -2; 28150-16271
Servicing: 228000-2940; -60
V. 12, **B+** M8



234920 Solenoid

Replacing: 153400-0320; -1; -2; 23343-aa080
Servicing: 128000-8310; -1; -2
V. 12

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



234960 Solenoid

Replacing: 153400-2540; 28150-54380
Servicing: 228000-2120; -1; -690; -8970; -8971; -8972
V. 12



234992 Solenoid

Replacing: 153400-1510; 28150-70030
Servicing: 228000-0550; -1; -2010; -5960; -5970; -7581
V. 12, **B+** M8, **Coil bolt** M8



235067 Solenoid

Replacing: 153400-4110
Servicing: 228000-4890; -1
V. 12, **B+** M8/12.0, **Coil bolt** 3



235098 Solenoid

Replacing: 153400-4531; -2
Servicing: 228000-4930; -5340; -5341; -5342; 428000-0290
V. 12



235319 Solenoid

Servicing: 128000-2640; -70; -3730; -3740; -3741; -8650
V. 12, **B+** M8



235320 Solenoid

Servicing: 128000-8690
V. 12, **B+** M8, **Coil bolt** M8



235367 Solenoid

Servicing: 128000-4230
V. 12, **B+** M8, **Coil bolt** 7.68



235375 Solenoid

Replacing: 153400-3501; 153400-5011; 153400-3503
Servicing: 228000-3640; -1; -2
V. 12



237531 Solenoid

Replacing: 028099-9701
Servicing: 428000-0150; -1; -2; -3090
V. 12, **B+** M8, **Coil bolt** M8



237806 Solenoid

Replacing: 153400-7610
Servicing: 228000-9580
V. 12, **B+** M8, **Coil bolt** M8



237891 Solenoid

Servicing: 428000-1620
V. 12

238471 Solenoid

Servicing: 428000-0950
V. 12, **B+** M8, **Coil bolt** M8
Solenoid cap can not be replaced.

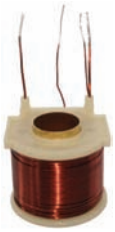
Solenoid Parts

Coils



132706 Solenoid Coil

V. 12, **O.D.** 46.75, **I.D.** 20.90
Double wire on left side. Single wire on right side.



132707 Solenoid Coil

V. 12, **O.D.** 46.10, **I.D.** 21.15
Single wire on left side. Double wire on right side.



132708 Solenoid Coil

Servicing: 028000-5910; -6300; 128000-1250; -1; -560; -3500; 228000-2860; -4210
V. 12, **O.D.** 46.60, **I.D.** 21.00



132880 Solenoid Coil

Replacing: 136605; 132880
V. 12, **O.D.** 46.65, **I.D.** 21.00



132881 Solenoid Coil

Servicing: 028000-4000; -243; -250; -340; -540; -550; -940; -5100; -6000; -6260; -6620; -7190; -7191; -7320; -
V. 12, **O.D.** 46.50, **I.D.** 20.85



132882 Solenoid Coil

V. 24, **O.D.** 46.55, **I.D.** 20.90



132883 Solenoid Coil

Servicing: 028000-7790; -8620; -9800; 128000-3190; -4900; -5560; -5710
V. 12, **O.D.** 46.65, **I.D.** 21.00



132884 Solenoid Coil

Servicing: 128000-0620; -1180; -2040; -3381; -3470; -3480; -4390; -4391; -5780
V. 12, **O.D.** 45.85, **I.D.** 21.00



133094 Solenoid Coil

V. 24, **O.D.** 46.75, **I.D.** 21.10



136606 Solenoid Coil

Servicing: 128000-7140; -9380; 228000-0470; -662
V. 12, **O.D.** 43.75, **I.D.** 21.10



136607 Solenoid Coil

Servicing: 228000-0440; -3060; -3800; -3980
V. 12, **O.D.** 43.75, **I.D.** 20.85



138929 Solenoid Coil

V. 12.0, **O.D.** 46.10, **I.D.** 20.85



138930 Solenoid Coil

V. 12, **O.D.** 46.15, **I.D.** 21.00

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



138931 Solenoid Coil
V. 12, **O.D.** 46.00, **I.D.** 21.10



138932 Solenoid Coil
V. 12, **O.D.** 46.00, **I.D.** 21.10



138933 Solenoid Coil
V. 12, **O.D.** 47.25, **I.D.** 21.00



138934 Solenoid Coil
V. 12, **O.D.** 46.55, **I.D.** 21.00



138935 Solenoid Coil
V. 12, **O.D.** 46.55, **I.D.** 28.90



138936 Solenoid Coil
V. 12, **O.D.** 46.85, **I.D.** 21.00



138937 Solenoid Coil
V. 12, **O.D.** 46.70, **I.D.** 21.00



138938 Solenoid Coil
V. 24, **O.D.** 46.55, **I.D.** 21.00
4 wires.



138939 Solenoid Coil
V. 24, **O.D.** 46.70, **I.D.** 21.00



138940 Solenoid Coil
V. 24, **O.D.** 46.65, **I.D.** 21.10



138941 Solenoid Coil
V. 24, **O.D.** 46.30, **I.D.** 21.15



138942 Solenoid Coil
V. 24, **O.D.** 46.75, **I.D.** 21.00



138943 Solenoid Coil
V. 24, **O.D.** 46.85, **I.D.** 21.00

Solenoid Caps



131374 Solenoid Cap
Replacing: zm-66296; 131374
Servicing: 053400-0150; -1810; -1811
O.D. 49.60, **No. of leads** 4



133099 Solenoid Cap

Servicing: 028000-5330; -1; -2; -3; -4; -5; -6520; -6600; -6720; -6721; -6790; -7091; -7092; -7093; -7100; -71

O.D. 48.30, **No. of leads** 3, **Bracket type** Crimp



133104 Solenoid Cap

Servicing: 053400-2830

O.D. 49.20, **No. of leads** 4



134627 Solenoid Cap

Replacing: zm-66096; 134627

Servicing: 053400-0801; -3810

O.D. 49.80, **No. of leads** 3



134934 Solenoid Cap

Servicing: 053400-5000; -1; -250; -7570

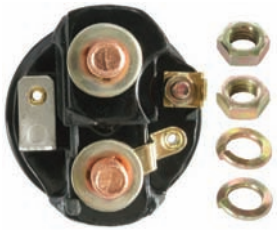
O.D. 48.25, **No. of leads** 4, **Bracket type** Crimp



135090 Solenoid Cap

Servicing: 053400-0720; -1160; -1170; -1313; -3290; -4820; -6090

O.D. 48.30, **No. of leads** 4, **Bracket type** Crimp



137371 Solenoid Cap

Servicing: 053400-8510

O.D. 48.50, **No. of leads** 4, **Bracket type** Crimp



137577 Solenoid Cap

O.D. 47.00, **No. of leads** 3



137869 Solenoid Cap

Servicing: 053400-1680; -720; -3490; -3491; -3492; -6030

O.D. 61.80, **No. of leads** 3



138815 Solenoid Cap

Servicing: 053400-1572; -900

O.D. 49.50, **No. of leads** 3



232020 Solenoid Cap

Replacing: zm-66196; 232020

Servicing: 053400-1150; -1; -740; -870; -880; -2120; -2250; -3000; -3010; -3370

O.D. 49.30, **No. of leads** 4, **Bracket type** Crimp



232227 Solenoid Cap

Replacing: zm-66496; 232227

Servicing: 053400-2140; -310; -3160; -3162; -4244; -5180; -5810

O.D. 49.30, **No. of leads** 3



233953 Solenoid Cap

No. of leads 4

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



235274 Solenoid Cap

Replacing: 235468; -274
Servicing: 153400-1520; 228000-8550
O.D. 48.40, **No. of leads** 3



237892 Solenoid Cap

Servicing: 428000-1620
O.D. 52.25, **No. of leads** 3

Moving Contacts



131291 Solenoid Cap

Servicing: 028000-7110; -2; -20; -21
O.D. 48.55, **No. of leads** 4, **Bracket type** Crimp

Pkg 5



233069 Plunger Contact

Servicing: 053660-0401; -7050; -7100; 128000-1050; -770; -6280
O.D. 36.80, **I.D.** 17.50, **Th.** 2.00

Pkg 5



233077 Plunger Contact

Servicing: 053660-7120; -50
O.D. 34.80, **I.D.** 17.50, **Th.** 2.00

Pkg 5



233078 Plunger Contact

Servicing: 053660-0443; -660
O.D. 39.80, **I.D.** 17.00, **Th.** 2.50

Pkg 5



233168 Contact

L. 24.95, **Mount. hole 1** 8.20

Pkg 5



237893 Moving Contact

Servicing: 428000-0720; -1620
L. 26.12, **Th.** 1.60, **W.** 24.00

Pkg 10

237979 Moving Contact

Servicing: 428000-0680; -700
L. 23.14, **Th.** 1.37, **W.** 11.54, **Shaft** 24.25

Fixed Contacts



233689 Contact Kit

Replacing: 028099-7520; 28226-64200; 028099-8940; -11
Servicing: 228000-1960; -70; -2570; -2831; -2841; -3240; -3250; -3280; -5290; -5300
L. 37.65, **Thread** M8
12 V. 1.4 kW.



234352 Contact Kit

235638 Contact

Plungers



132563 Plunger

Replacing: 053660-0401; 053660-7100; -250; -260; -710; 28235-54070; 053660-0402; -40; -41; -42

Servicing: 028000-3641; -2; -4323; -4343; -4450; -4540; -4940; -5060; -5120; -5300; -5301; -5510; -5511; -5530

O.D. 20.65, **L.** 96.50, **Lever** w/o

Contact only: Cargo 233069.

Assort. 803004



132570 Plunger

Replacing: 8c9778; 021660-0441; -2; 053660-0443; -660; 053660-7111; 28106-22060; -71; 053660-7170

Servicing: 028000-4800; -5000; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5

O.D. 20.65, **L.** 119.30, **Lever** w/o

Contact only: Cargo 233069.

Assort. 803004



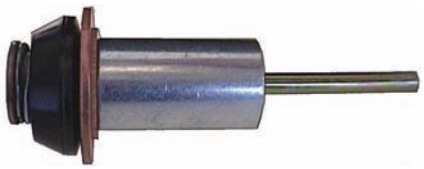
135865 Plunger

Replacing: 053660-7050; -1

Servicing: 128000-3470; -1; -2; -80; -81; -82; -5941; -5942; -5951; -5952; -7190; -7770; 228000-3330; -5920

O.D. 36.80, **L.** 123.30

Contact only: Cargo 233069.



136374 Plunger

Replacing: 053660-7120; 053680-7120; 053660-7121; 136900

Servicing: 128000-6810; -1; -2; -7002; -7120; -7122; -7140; -7500; -7560; -7713; -7714; -8030; -8210; -8320; -

O.D. 20.65, **L.** 96.40

Contact only: Cargo 233077.



136901 Plunger

Replacing: 053660-7150

Servicing: 128000-7390; -8310; -8311; -8312; -8400; -9710; -9720; 228000-0220; -420; -820; -830; -1910; -2500;

O.D. 34.80, **L.** 125.45

Contact only: Cargo 233077.

Pkg 10



230221 Plunger

Replacing: 053660-7240; -1

Servicing: 228000-2120; -680; -690; -700; -860; -980; -990; -3260; -3840; -3850; -3851; -3980; -4050; -4291; -

O.D. 20.65, **L.** 96.80

Contact only: Cargo 233069.

Pkg 10



233374 Plunger

Replacing: 021660-0440

O.D. 39.60, **L.** 119.20, **Lever** w/o

Pkg 5



233375 Plunger

Replacing: 053660-7271; -0

Servicing: 228000-5860; -1; -2

O.D. 36.50, **L.** 125.60, **Lever** w/o

Gaskets

Pkg 5



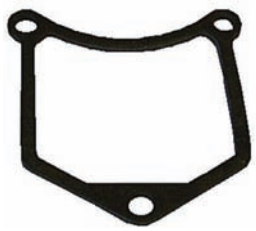
132068 Gasket

Th. 0.70

Assort. 803031

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



132878 Rubber Gasket

Replacing: 053404-0210; -320
Servicing: 028000-3641; -2; -4323; -4343; -4450; -4540; -4940; -4990; -5060; -5190; -5390; -5780; -5800; -5821
Th. 2.85, **Material** Rubber
Assort. 803031

Pkg 5



132879 Solenoid Gasket

Replacing: 053404-0240; 28151-22060
Servicing: 028000-4800; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5551; -5
Th. 1.95, **Material** Rubber
Assort. 803031



136033 Gasket

Replacing: 053404-7061
Servicing: 128000-6280; -7002; -7122; -7390; -7500; -7560; -7713; -7714; -8030; -8210; -8220; -8310; -8311; -8
Th. 2.25, **Material** Rubber



138607 Gasket

L. 12.00, **Th.** 1.80, **W.** 11.80, **Material** Niopprene

Pkg 5



139048 Solenoid Gasket

Replacing: 053404-7130
Servicing: 228000-2120; -680; -690; -700; -980; -990; -3260; -3840; -3850; -3851; -3980; -4050; -4291; -4570;
Th. 2.40, **Material** Rubber

Pkg 5



233068 Gasket

L. 63.25, **Th.** 2.00, **W.** 54.20

Terminals

Pkg 5



131834 Terminal Block

Replacing: 053480-0380; 053480-7220; -320; -430; 053480-0100
Servicing: 028000-4323; -540; -5900; -5911; -5912; -6001; -6260; -6300; -6361; -6362; -6930; -7320; -7321; -73
Terminals 0227
Assort. 803030

Pkg 5



131835 Terminal

Replacing: 053480-0090
Servicing: 028000-5060; -821; -822; -991; -992; -6440; -6570; -6620; -6701; -6711; -7000; -7001; -7002; -7003;
Terminals 0227
Assort. 803030

Pkg 5



131836 Terminal

Terminals 0227
Assort. 803030

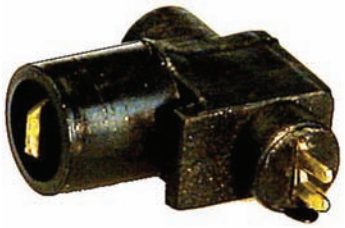
Pkg 5



132705 Ignition Switch Terminal

Replacing: 053480-0110
Servicing: 028000-4800; -5120; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5
Terminals 0227
Assort. 803030

Pkg 5



132709 Ignition Switch Terminal

Servicing: 128000-0280
Terminals 0227
Assort. 803030

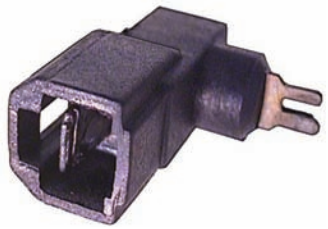
Pkg 5



132870 Ignition Switch Terminal

Servicing: 128000-2570; -80; -4960; -5270; -5280; -7500; -8030
L. 27.50, **Thread** M4, **Terminals** 0227
Assort. 803030

Pkg 5



132897 Ignition Switch Terminal

Terminals 0227
New and old type.
Assort. 803030

Pkg 10



135313 Terminal

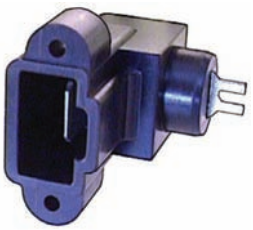
Replacing: 053480-7300
Servicing: 028000-9800; 128000-8310; -1; -2; -20; -21; -22; 228000-0662; -760; -761; -1000; -1020; -1030; -105
Terminals 0227



135568 Ignition Terminal

Terminals 0227

Pkg 10



135650 Terminal Switch

Replacing: 053480-0430; -1
Servicing: 128000-0710; -40; -90; -1151; -3410; -6360; -7300; 228000-0111; -40; -41; -250; -3800
Terminals 0227



137204 Terminal Switch

Replacing: 053480-7510; -50; -670
Servicing: 128000-9890; 228000-0580; -780; -820; -830; -900; -910; -1100; -1110; -1690; -1910; -1960; -1970; -
L. 34.30, **Terminals** 0227



138824 Solenoid Cap

Servicing: 053400-2460; -3190
No. of leads 4, **Bracket type** Crimp, **Terminals** 0222

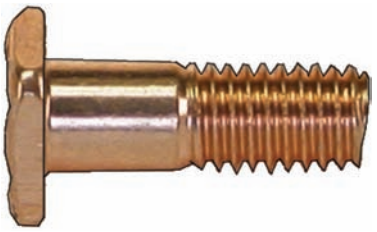
Pkg 5



139487 Ignition Terminal

Terminals 0227

Pkg 10



139642 Terminal Post

L. 26.30, **Thread** M8, **Terminals** 0227

Pkg 5



230898 Ignition Terminal

Replacing: 053480-7790
Servicing: 228000-3640; -80; -4980; -6020; -6100
L. 34.90, **Terminals** 0227

Pkg 10



231380 Terminal Switch

L. 34.50, **Thread** M6, **Terminals** 0227

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



231427 Terminal Switch

L. 29.00, **Thread** M4, **Terminals** 0227

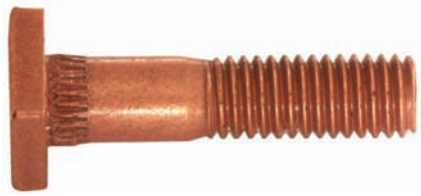
Pkg 5



231626 Terminal Switch

Replacing: 053480-7900; -1; -50
Servicing: 228000-4930; -5340; -5980; -5990; -7000; -8180; 428000-1190
L. 35.45, **Thread** M8, **Terminals** 0227

Pkg 10



233066 Terminal Post

Collar L. 33.30, **L.** 37.00, **Thread** M8, **Thread size front** 3.90, **Terminals** 0227

Pkg 10

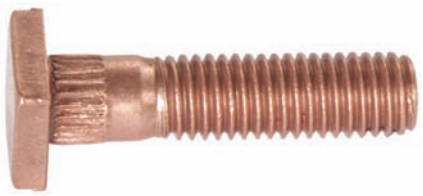


233097 Terminal

Servicing: 128000-4910
L. 34.65, **Thread** M5, **Terminals** 0227

Screws

Pkg 10



139640 Terminal Post

Collar L. 42.00, **L.** 46.15, **Thread** M10, **Thread size front** 5.75
Cobber plated.

Various



131830 Copper Contact Kit

Replacing: 28017-19500; 131830
Servicing: 028000-5120; -6030; -6040; -6700; -6710; -7390; -8180; -9710; 128000-0700; -3190; 228000-0210; 2801
Material Copper
Assort. 803004



131831 Copper Contact Kit

Replacing: 28017-19502; 131831
Servicing: 028000-5910; -6000; -6260; -6300; -7550; -7790; -8370; -8620; -9270; -9800; 128000-1050; -180; -250
Th. 2.50, **Material** Copper
Assort. 803004



131832 Copper Contact Kit

Replacing: 28017-19512; 131832
Servicing: 028000-5581; -620; -7240; 128000-6330; 28017-19512
Material Copper
Assort. 803004



131833 Copper Contact Kit

Replacing: 28017-19511; 131833
Servicing: 228000-5641; -7550; 28017-19511
Material Copper
Assort. 803004

Pkg 5



132064 Terminal Contact

Servicing: 028000-5120; -6030; -6040; -6700; -6710; -8000; -8180; -9270; 128000-0700



132564 Contact Kit

Replacing: 028099-2790; 028099-3780; 028099-7100; -20; -40; 028099-2791; 028099-3781
Servicing: 028000-5300; -1; -510; -511; -530; -531; -532; -541; -542; -543; -550; -551; -552; -553; -560; -561



132565 Contact Kit

Replacing: 028099-3160
Servicing: 028000-4800; -5000; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5

Assort. 803004



132567 Contact Kit

Replacing: 028099-2680; -820; 028099-3030; -860; 028099-8672; -701; 133600; 028099-3031
Servicing: 028000-3641; -2; -4450; -4990; -5060; -5190; -5390; -5780; -5800; -5821; -5822; -5911; -5912; -5991

Assort. 803004



132568 Contact Kit

Replacing: 028099-2920; 028099-3010; -20; -390; 028099-6820; 028099-7220; 132561; -2; 028099-2921; 028099-3399
Servicing: 028000-3641; -2; -4323; -4343; -4450; -4540; -4940; -4990; -5060; -5120; -5190; -5390; -5780; -5800

Assort. 803004

Pkg 10



132725 Insulator

Replacing: 233087; 132725
Servicing: 128000-9730
O.D. 21.90, **I.D.** 11.40, **Th.** 6.00, **Insulator** 10



133599 Contact Kit

Replacing: 028099-3170
Servicing: 128000-3080; -1; -2; -512; -513; -514; 228000-1671; -5641; -7550



133601 Contact Kit

Replacing: 028099-2690; -1
Servicing: 028000-4800; -5000; -5300; -5301; -5570; -5571; -5651; -5652; -5660; -5661; -5832; -5833; -5834; -5



133602 Contact Kit

Servicing: 028000-8370; S114-382

For 1, 1.2, 1.4, 2 kW
Assort. 803004



133621 Contact Set

V. 12



133634 Contact Set

Servicing: 028000-5581; 128000-6330; -7600; -7601; -7602; 228000-2860
W. 3.00, **Thread** M10
Copper.
Assort. 803004



133635 Contact Kit

Servicing: 128000-0620; -7140; -9380; 228000-0470
W. 2.50, **Thread** M8
Copper.
Assort. 803004

Pkg 10

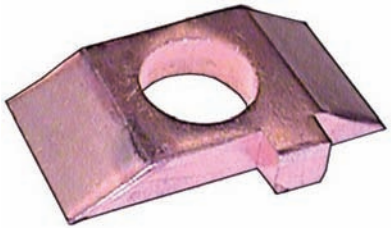


134496 Insulator

Insulator 10
I.D. 8.00 mm.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



135016 Moving Contact

Servicing: 028000-5201; -7680; -7681; -9940; 128000-1360; -2790; -4060; -4540; 228000-8550

L. 25.25, **Th.** 4.00, **W.** 12.55, **Material** Copper

Pkg 5



135166 Insulator

O.D. 22.00, **I.D.** 8.30, **Th.** 5.60, **Insulator** 5, **Material** Plastic
Assort. 803031

Pkg 5



135167 Insulator

Servicing: 228000-6470; -1
Insulator 5
Assort. 803031

Pkg 5



135168 Insulator

Insulator 5
Assort. 803031

Pkg 5



135342 Spring

Replacing: 053659-7060; 949170-3380; 949170-9770; 19212-63121; 28165-26040
Servicing: 028000-3641; -2; -4323; -4343; -4450; -4540; -4940; -5060; -5780; -5800; -5821; -5822; -5900; -5910
O.D. 7.00, **L.** 61.25
1/2.2 kW.

Pkg 5



135343 Plunger Spring

Replacing: 5-81129119-0; 053659-7070
Servicing: 128000-7390; -8310; -8311; -8312; -8400; -9710; -9720; 228000-0220; -420; -820; -830; -1910; -2500;
O.D. 7.35, **L.** 89.60
2.5 kW.



135383 Contact Kit

Replacing: 028099-6600
Servicing: 128000-3380; -1; -420



135384 Contact Kit

Replacing: 028099-7230; 028099-9130; -1
Servicing: 128000-7390; -500; -560; -713; -714; -8030; -8400; -9310; -9710; -9720; -9751; -9752; -9860; -9870;

Assort. 803004



135385 Contact Kit

Replacing: 028099-7210; -2; -31
Servicing: 128000-7002; -122; -8210; -8310; -8311; -8312; -8320; -8321; -8322; -8460; -8470; -8480; -8784; -91

1.2, 1.4 kW.
Assort. 803004

Pkg 10



135476 Insulator

Servicing: 028000-5581; -7240; 128000-6330
O.D. 29.75, **I.D.** 13.40, **H.** 13.90, **Insulator** 10
Assort. 803031

Pkg 5



138608 Plunger Spring

Replacing: 949170-4070; 28165-77090
Servicing: 028000-4800; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5551; -5
O.D. 7.20, **L.** 72.80



139046 Contact Kit

Replacing: 028099-7240; -2
Servicing: 128000-9310; -880; -890; 228000-0820; -30; -1560; -6170

1.2, 1.4 kW.
Assort. 803004



139047 Contact Kit

Replacing: 128099-5240; -1; 28226-54220
Servicing: 228000-0570; -1; -1590; -1591; -1600; -1601; -1610; -1611; -1661; -1671; -1770; -1771; -1772; -2030

2.5, 2.7, 4.5 kW.
Assort. 803004



139081 Contact Kit

Servicing: 128000-5730; -1; -2
L. 65.00, **Thread** M12
Used w/: Cargo 132565.

Pkg 5



139420 Insulator

Servicing: 228000-0580; -900; -1100; -1110; -1560; -1620; -1960; -2300; -2310; -2520; -2610; -2730; -2740; -27
L. 32.15, **Insulator** 5

Pkg 10



139421 O-Ring

I.D. 11.20, **Th.** 1.80

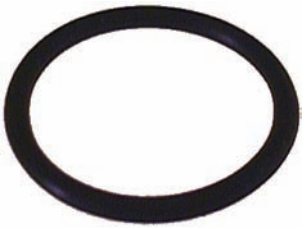
Pkg 10



139422 O-Ring

I.D. 9.60, **Th.** 1.80

Pkg 10



139423 O-Ring

Th. 1.75

Pkg 5



139424 Plunger Spring

O.D. 7.30, **L.** 69.65



139494 Contact Kit

Replacing: 028099-7202; -800; 28226-54380; 028099-7812
Servicing: 228000-2120; -690; -860; -990

12 V. 2 kW.
Assort. 803004



139495 Contact Kit

Replacing: 28226-72080-000; 028099-3000; -1; -40; -41
Servicing: 028000-4323; -540; -940; -5900; -5911; -5912; -6001; -6120; -6361; -6362; -6620; -6701; -6711; -693

12V.
1 kW.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



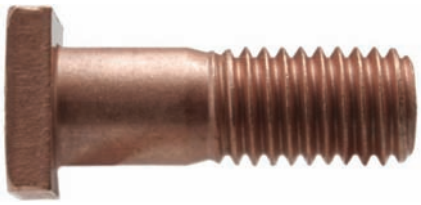
139532 Contact Kit

Replacing: 028099-7750; -1; 028099-8960; 028099-7752; 028099-8961

Servicing: 228000-0640; -780; -880; -910; -1690; -1780; -2300; -2610; -2851; -2880; -3640; -4210; -4880; -4980

1, 1.2, 1.4, 2, kW.
Assort. 803004

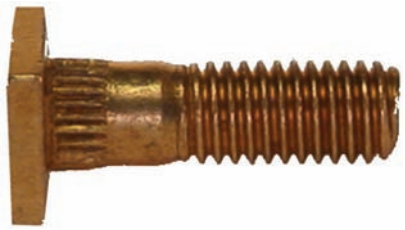
Pkg 10



139641 Terminal Post

L. 33.20, **Thread** M10

Pkg 10



139643 Terminal Post

Collar L. 26.35, **L.** 29.80, **Thread** M8, **Thread size front** 5.35

Pkg 10



139644 Terminal Post

Collar L. 33.10, **L.** 36.70, **Thread** M8, **Thread size front** 2.55



230004 Contact Kit

L. 16.00, **Th.** 3.00, **W.** 17.00, **Material** Copper



230744 Contact Kit

Replacing: 028099-6430; -10; -11; -20; -1; -2; -70; -890; 028099-2520; 028099-6390; -400; -401; 9x0295; 9X1282;

Servicing: 128000-5730; -1; -2; 228000-7902

24V.
5.5kW.

Pkg 5



231552 Plunger Boot

Replacing: 053665-0111; 053665-7070; -1

Servicing: 028000-5334; -5; -6380; -6381; -6382; -6383; -6384; -6385; -6391; -6392; -6393; -6394; -6395; -6396

O.D. 35.35, **L.** 20.40, **Lever** w/o



231631 Solenoid Cover

Replacing: 053505-7070

Servicing: 128000-7390; -713; -714; -8210; -8220; -8310; -8311; -8312; -8320; -8321; -8322; -8400; -8460; -847

O.D. 64.50



231733 Plunger Boot

Replacing: 053665-7090

Servicing: Rubber 128000-3250; -1; -60; -61; -4030; -4031; -4180; -4200; -4201; -4800; -6112; -6670; -6671; -66

O.D. 33.00, **L.** 15.30, **Lever** w/o



231764 Solenoid Cover

Replacing: 15461-63511; 053505-0620; 053505-7260; -080; -140

Servicing: 028000-4540; -5900; -5911; -5912; -6001; -6361; -6362; -6620; -6930; -7000; -7001; -7002; -7003; -7



231805 Solenoid Cover

Replacing: 053505-0290

Servicing: 028000-4800; -5300; -5301; -5560; -5561; -5570; -5571; -5651; -5652; -5660; -5661; -5832; -5833; -5

O.D. 87.85

232202 Contact Kit

Replacing: 128099-5290; -1

Servicing: 22800-05980; 228000-5980

24V.
4.5kW.



232982 Contact Kit



232983 Contact Kit

Pkg 5



233079 Retainer

O.D. 18.70, **H.** 3.10

Pkg 5



233080 Retainer



233081 Contact Kit

Servicing: 128000-7380

Pkg 5



233088 Insulator

Insulator 5



233169 Contact Kit

Servicing: 128000-5750



233550 Cover

Replacing: 053505-7150

Servicing: 028000-5530; -1; -2; -9331; -9332; -9333; 128000-0530; -1; -2; -1790; -3080; -3081; -3082; -3512; -

O.D. 86.80

Drives



130441 Drive

Replacing: 31207-657-006; tmj401; 028000-0085; 028300-0611; -30; -700; -800; -801; 028300-1690; 028300-3351; 28

Servicing: 028000-1010; -3; -970; -973; -975; -976; -2001; -3100; -4270; -4440; -4471; -4480; -4491; -5430; -5

O.D. 29.15, **I.D.** 12.50, **L.** 86.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



130442 Drive

Replacing: 5206632; 5213310; -850; tmj402; -10; 028300-0900; -1; 028300-1930; -50; -51; 028300-2240; 028300-335

Servicing: 028000-1620; -2260; -2261; -2262; -2263; -2360; -2660; -2661; -2662; -2664; -2665; -2680; -2681; -2

O.D. 29.15, **I.D.** 12.55, **L.** 82.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



131090 Drive

Replacing: 028300-1830; -1; 1.01.0524.0

Servicing: 028000-5200; -1; -10; -400; -401; -410; -7111; -7112; -7120; -7121; -7680; -7681; -7711; 128000-267

O.D. 26.69, **I.D.** 12.65, **L.** 85.86, **No. of teeth** 10, **Splines** 5, **Rotation** CR, **Drive type** Steel



131110 Drive

Replacing: tmj400; 0290-24-830; md604047; 028300-0851; 028300-1020; -540; -542; 31320-63210; 28011-22010; -20;

Servicing: 028000-1850; -2150; -2151; -2240; -2241; -3500; -3501; -3800; -3830; -4040; -4042; -4050; -4343; -4

O.D. 29.10, **I.D.** 12.55, **L.** 64.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



132004 Drive/Clutch Assy

Replacing: 15504-63041; 16871-63041; 19212-63041; 028099-2940; 028099-3800; 028300-1600; -1; -2; -3; -790; -791

Servicing: 028000-3641; -2; -4020; -4243; -4250; -4323; -4340; -4343; -4450; -4510; -4540; -4550; -4940; -5100

O.D. 29.00, **L.** 102.40, **No. of teeth** 9, **Splines** 18, **Rotation** CR, **Drive type** Steel



132545 Drive

Replacing: 028300-0830; -1; 028300-1670; -740; 028300-5810; 1.01.0341.0

Servicing: 028000-2970; -4790; -4840; -5270; -5350; -5360; -5361; -5371; -5420; -5720; -5751; -6070; -6330; -6

O.D. 29.00, **I.D.** 12.60, **L.** 85.75, **No. of teeth** 9, **Splines** 10, **Rotation** ACR, **Drive type** Steel

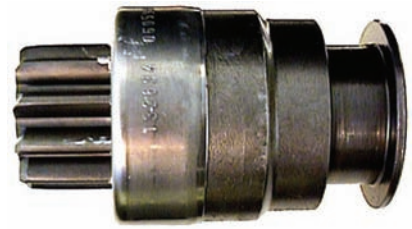


132547 Drive

Replacing: 28011-87706-000; 028300-4320; 28011-87706; 1.01.0765.0

Servicing: 028000-9470; -90; -500; -501; 128000-3610; -21; -5650; -9120

O.D. 24.40, **I.D.** 12.60, **L.** 82.00, **No. of teeth** 8, **Splines** 10, **Rotation** ACR, **Drive type** Steel



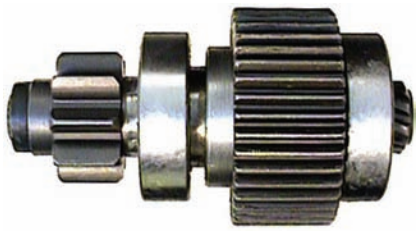
132634 Drive

Replacing: 4n7523; 028300-1230; -660; 1.01.0434.0; 028300-1280

Servicing: 028000-3290; -1; -2; -650; -930; -970; -971; -5040; -5920; -5960; -5961; -7430; -7431; 128000-0260;

O.D. 39.50, **I.D.** 17.00, **L.** 102.15, **No. of teeth** 10, **Splines** 4, **Rotation** CR, **Drive type** Steel

12 V. 4 kW.



132863 Drive/Clutch Assy

Replacing: 5-81124003-0; -6-0; 028300-1840; -1; -2; 1.01.0946.0

Servicing: 028000-5060; -6440; -7000; -7001; -7002; -7003; -7351; -7790; -7791; -7792; -9300; 128000-0020; -83

O.D. 32.50, **L.** 100.00/102.00, **No. of teeth** 9, **Splines** 10, **Drive type** Steel



132864 Drive/Clutch Assy

Replacing: 028300-5490; -710; 028300-6210

Servicing: 028000-6960; -7740; 128000-0180; -1560; -2570; -2580; -3180; -3500; -4950; -5430

O.D. 29.20, **L.** 102.30, **No. of teeth** 11, **Splines** 11, **Drive type** Steel



132942 Drive/Clutch Assy

Replacing: 5-81124004-0; 14182-63041; 028300-1730; 028300-2011; -2; -70; 028300-3950; 028300-4550; -1; 028300-5

Servicing: 028000-4800; -5300; -5301; -5510; -5511; -5520; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5

O.D. 41.00, **L.** 147.00, **No. of teeth** 11, **Splines** 10, **Drive type** Steel

Spring long (19.50 x 88.4 mm): Cargo 134301.



133306 Drive

Replacing: 6211-66a; 101211-2751

Servicing: 1320161; -502; -902; CA45D12-16; -50; -73; -92; CA45D12-Y92

O.D. 45.60, **I.D.** 15.60, **L.** 139.00, **No. of teeth** 12, **Splines** 3, **Drive type** Bronze

4 holes.

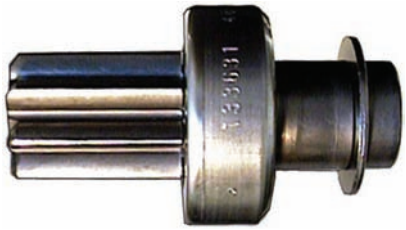


133441 Drive

Replacing: 028300-3880; 028300-4471; 1.01.0686.0

Servicing: 028000-8040; -1; -9430; 128000-0350; -1; -690; -1290; -1291; -1683; -1761; -1861; -1862; -1890; -19

O.D. 27.60, **I.D.** 12.00, **L.** 82.00, **No. of teeth** 8, **Splines** 10, **Rotation** ACR, **Drive type** Steel

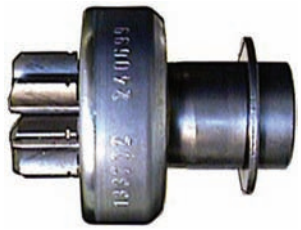


133631 Drive

Replacing: 8-94125889-0; 028300-3570; -1; 028300-4410; 028300-5180; 028300-6670; 28011-10030; 1.01.0498.0; 1.01

Servicing: 028000-9361; 128000-0461; -1070; -1311; -1620; -1621; -2170; -2421; -2430; -2431; -2500; -2941; -35

O.D. 27.90, **I.D.** 12.50, **L.** 82.00, **No. of teeth** 8, **Splines** 10, **Rotation** CR, **Drive type** Steel



133712 Drive

Replacing: 028300-4390; 028300-5850; 074515; 1.01.0576.0

Servicing: 028000-9900; -1; 128000-0600; -2860; -2861; 228000-3380; -4201

O.D. 27.25, **I.D.** 12.55, **L.** 60.15, **No. of teeth** 8, **Splines** 10, **Rotation** CR, **Drive type** Steel



133714 Drive

Replacing: 31207-za1-003; -33; 028300-3970

Servicing: 028000-8411; 128000-2950; -5290

O.D. 29.90, **I.D.** 12.00, **L.** 33.60, **No. of teeth** 14, **Drive type** Steel



133805 Drive

Replacing: 5-81123034-0; 028300-5040; -820; 1.01.0830.0

Servicing: 128000-3090; -1; -4180; -4270; -6660; -6670; -6671; -6672; -6673; -7580; -7581; -7720; -7860; -9260

O.D. 27.60, **I.D.** 11.00, **L.** 53.65, **No. of teeth** 8, **Splines** 5, **Rotation** CR, **Drive type** Steel



134856 Drive/Clutch Assy

Replacing: 028300-3770; -990; 028300-4330; 028300-5770; 49209-7222

Servicing: 028000-8570; -80; -81; -9510; -9800; 128000-1220; -30; -2210; -3810; -7200

O.D. 29.00, **L.** 102.55, **No. of teeth** 9, **Splines** 18, **Rotation** ACR, **Drive type** Steel



134961 Drive

Replacing: 8-94455173-0; 028300-4350; 028300-5080; 23312-ka060; 31320-79010; 31320-80110; 1.01.0680.0

Servicing: 028000-9210; 128000-1300; -740

O.D. 27.90, **I.D.** 11.00, **L.** 78.25, **No. of teeth** 8, **Splines** 10, **Rotation** CR, **Drive type** Steel

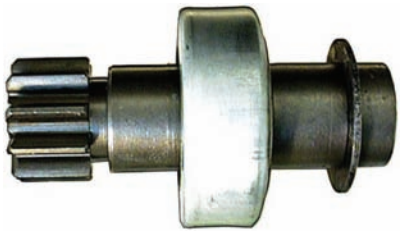


135002 Drive/Clutch Assy

Replacing: 028300-2200; 028300-3340; 028300-6700; 15521-63041; 028300-3810

Servicing: 028000-6260; -1; -570; -7740; -8432; -9031; -9032; 128000-0181; -940; -941; -950; -1030; -2130; -21

O.D. 34.00, **L.** 102.45, **No. of teeth** 9, **Splines** 18, **Drive type** Steel

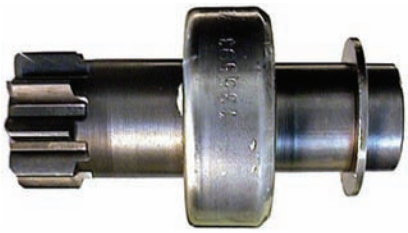


135445 Drive

Replacing: 028300-3460

Servicing: 028000-7110; 128000-2640; -8670

O.D. 26.25, **I.D.** 12.60, **L.** 82.45, **No. of teeth** 10, **Splines** 10, **Rotation** CR, **Drive type** Steel



135593 Drive

Replacing: 1346-24-709; md604913; 028300-3321; -530; 028300-4020; 49209-71021; 1.01.0400.0; 028300-3310; -20; -

Servicing: 028000-6520; -40; -7280; -7290; -7440; -7490; -7500; -7630; -7720; -7760; -7870; -7940; -8590; -878

O.D. 29.15, **I.D.** 12.50, **L.** 82.20, **No. of teeth** 9, **Splines** 10, **Rotation** ACR, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



135651 Drive

Replacing: 028300-5800; 31320-51a10; 1.01.0951.0

Servicing: 128000-4030; -1; -40; -50; -60; -70; -130; -160; -170; -200; -201; -5480; -7610; -7611; -9170; -917

O.D. 27.90, **I.D.** 11.00, **L.** 75.00, **No. of teeth** 8, **Splines** 5, **Rotation** ACR, **Drive type** Steel

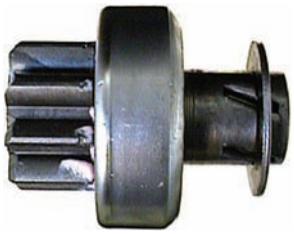


135889 Drive

Replacing: 028300-4190; -200

Servicing: 028000-9220; -1; -30; -890; -940; 128000-1270; -80; -530; -540; -541; -2010; -2020

O.D. 27.80, **I.D.** 11.00, **L.** 77.75, **No. of teeth** 8, **Splines** 10, **Rotation** ACR, **Drive type** Steel



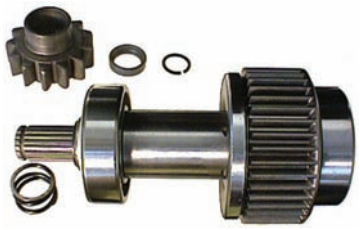
136086 Drive

Replacing: 028300-6070; -960; 28011-70020; 1.01.0809.0; 1.01.0810.0; 2389

Servicing: 128000-5210; -1; -680; -681; -682; -6340; -6341; -6720; -6721; -7400; -8530; -8531; -8890; -8891; -

O.D. 29.00, **I.D.** 11.00, **L.** 53.70, **No. of teeth** 9, **Splines** 5, **Rotation** CR, **Drive type** Steel

Clutch O.D. 43.50 mm.

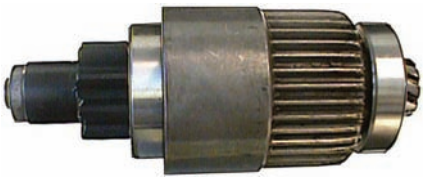


136313 Drive/Clutch Assy

Replacing: 028099-6011; -590

Servicing: 128000-3470; -1; -2; -80; -81; -82; -5941; -5942; -5951; -5952; 228000-3330; -5920

O.D. 40.60, **I.D.** 13.40, **L.** 121.30, **No. of teeth** 13, **Splines** 18, **Rotation** ACR



136315 Drive/Clutch Assy

Replacing: 15451-63041; 028300-1810; -1; -2

Servicing: 028000-5000; -7730; -7731; -7732; 128000-6860; -1

O.D. 34.80, **L.** 146.00, **No. of teeth** 9, **Splines** 10, **Rotation** Clockwise, **Drive type** Steel

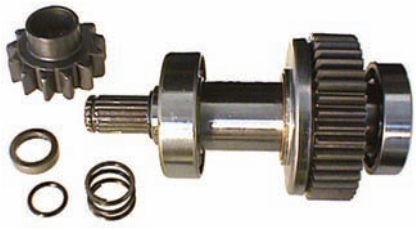


136445 Drive

Replacing: 028300-5460; 23312-ka020

Servicing: 128000-2800; -4450; -4732; -5980

O.D. 27.20, **I.D.** 13.25, **L.** 77.40, **No. of teeth** 8, **Splines** 8, **Rotation** ACR, **Drive type** Steel



136447 Drive/Clutch Assy

Replacing: 028099-6580; 28011-74070

Servicing: 128000-7390; -8400; -9710; -9720; 228000-0420; -820; -830; -1910; -2500; -3220; -5490; -5670; -5680

O.D. 40.50, **L.** 110, **No. of teeth** 13, **Splines** 39, **Rotation** ACR, **Drive type** Steel

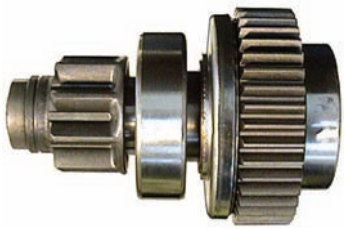


136744 Drive/Clutch Assy

Replacing: 028300-7150; -900; 23312-aa040

Servicing: 128000-8310; -1; -2

O.D. 29.00, **L.** 110.00, **No. of teeth** 9, **Rotation** ACR, **Drive type** Steel



136745 Drive/Clutch Assy

Replacing: 028300-7160; -910; 23312-aa030; 028300-2120

Servicing: 028000-6550; 128000-8320; -1; -2

O.D. 29.00, **L.** 83.55, **No. of teeth** 9, **Rotation** ACR, **Drive type** Steel



136794 Drive

Replacing: 028300-5730; 28011-87505

Servicing: 128000-4530; -1; -2

O.D. 24.45, **I.D.** 13.40, **L.** 75.40, **No. of teeth** 8, **Splines** 5, **Rotation** ACR, **Drive type** Steel

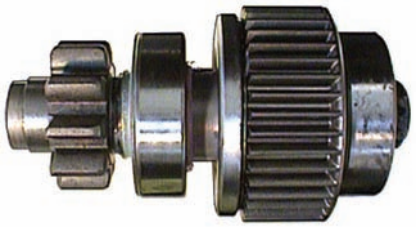


136795 Drive/Clutch Assy

Replacing: 028300-4000; -91; 028300-8020; 28011-64020; -150

Servicing: 028000-8370; -1; -440; 128000-5760; 228000-0380; -1; -90; -91; -450; -1920; -1930; -3000; -6020; -9

O.D. 35.45, **L.** 102.75, **No. of teeth** 9, **Splines** 10, **Drive type** Steel

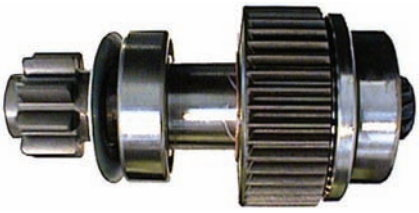


136796 Drive/Clutch Assy

Replacing: 028300-4011; 28011-64010; -30

Servicing: 028000-8451; -980; 128000-0930; -5350; -9550; -9560; 228000-0200; -460; -880; -1780; -1850; -3640;

O.D. 37.50, **L.** 102.50, **No. of teeth** 10, **Splines** 10, **Rotation** CR, **Drive type** Steel

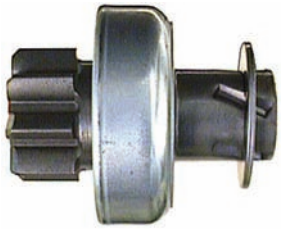


136797 Drive/Clutch Assy

Replacing: 028300-5680; 28011-87710

Servicing: 128000-3380; -1; -420

O.D. 29.20, **L.** 112.25, **No. of teeth** 9, **Splines** 10, **Rotation** ACR, **Drive type** Steel

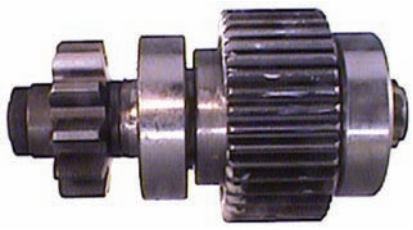


136899 Drive

Replacing: 028300-6710; 28011-16040

Servicing: 128000-6420; -2

O.D. 27.40, **I.D.** 11.00, **L.** 53.35, **No. of teeth** 8, **Splines** 5, **Rotation** CR, **Drive type** Steel

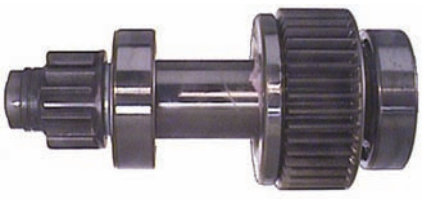


137293 Drive/Clutch Assy

Replacing: 028099-2700; 28011-54070; 1.01.0921.0

Servicing: 028000-7370; -2; -3; -660; -661; -662; -8760; -8761; -8762; 128000-0360; -1; -2; -1880; -7350; -735

O.D. 40.20, **L.** 102.50, **No. of teeth** 11, **Splines** 10, **Rotation** CR, **Drive type** Steel



137647 Drive/Clutch Assy

Replacing: 028300-6930

Servicing: 128000-7190

O.D. 29.00, **L.** 121.00, **No. of teeth** 9, **Rotation** ACR, **Drive type** Steel

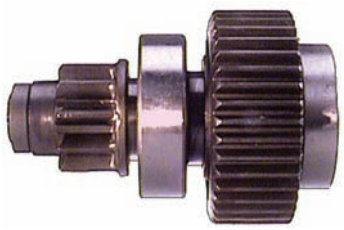


137751 Drive

Replacing: 028300-6680; 1.01.0808.0; 138504; 6022

Servicing: 128000-6210; -1; -2; -9220; -9470; 228000-1550; 280000-6620

O.D. 28.20, **I.D.** 11.00, **L.** 53.50, **No. of teeth** 8, **Splines** 5, **Rotation** CR, **Drive type** Steel



137753 Drive

Replacing: 31204-pm3-j010m; 8-94377252-0; 16611-63041; 028300-6990; 028300-7170; -980; -990; 028300-8350; 28011

Servicing: 128000-7002; -122; -560; -713; -714; -8210; -8360; -8784; -9190; -9191; -9300; -9310; -9520; -9730;

O.D. 29.00, **L.** 83.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel

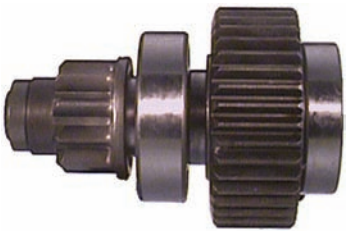


137950 Drive/Clutch Assy

Replacing: 8-94367772-0; 028300-6860; 1.01.0750.0

Servicing: 128000-7140; -500; -8030; -9380; 228000-8430; -1; -2

O.D. 29.15, **L.** 83.70, **No. of teeth** 11, **Splines** 10, **Drive type** Steel



137952 Drive/Clutch Assy

Replacing: 028300-7720; 1.01.0817.0

Servicing: 228000-0470

O.D. 27.90, **L.** 83.55, **No. of teeth** 10, **Splines** 10, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



138137 Drive

Replacing: 028300-1390; 028300-3590; 1.01.0343.0; 028300-1380; -1; -2; -3; -4; -5; -6; -7; -8; -9

Servicing: 028000-3611; -7480; -7481

O.D. 34.15, **I.D.** 12.40, **L.** 82.20, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel

138566 Drive/Clutch Assy

Replacing: 028300-2040; 028300-5670; 028300-7802; 028300-5650; -1

Servicing: 028000-5880; 128000-2740; -3120; -4220; -4910; 228000-2290; -3810; -7300; 428000-1190; -860

O.D. 39.30, **L.** 146.70, **No. of teeth** 13, **Splines** 10, **Drive type** Steel

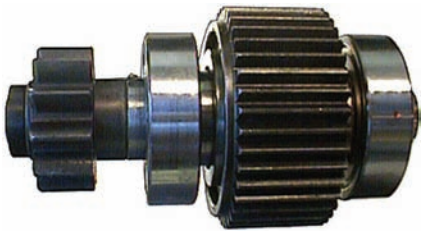


138567 Drive/Clutch Assy

Replacing: 128099-5160; 053400-4731

Servicing: 028000-6460; -2; -3; 128000-8620; -1; 228000-1600; -1; -10; -11; -2030; -2031; -5980; -5990

O.D. 44.85, **L.** 147.20, **No. of teeth** 12, **Splines** 10, **Drive type** Steel

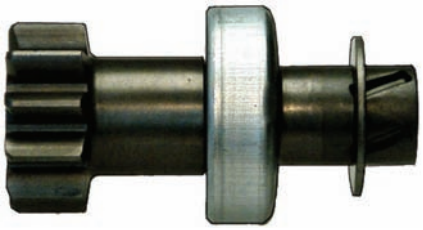


138568 Drive/Clutch Assy

Replacing: 028300-5760

Servicing: 128000-1180; -1

O.D. 34.15, **L.** 101.70, **No. of teeth** 11, **Splines** 18, **Rotation** ACR, **Drive type** Steel

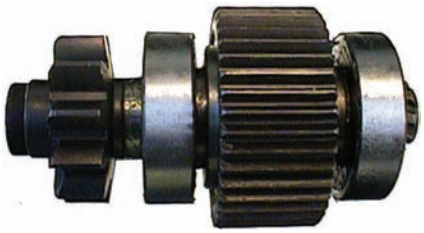


138956 Drive

Replacing: 11420-63041; 028300-6880

Servicing: 128000-7110

O.D. 35.30, **I.D.** 12.30, **L.** 75.35, **No. of teeth** 11, **Splines** 5, **Rotation** ACR, **Drive type** Steel



139037 Drive/Clutch Assy

Replacing: 15601-63042; -3; 15606-63042; 19013-63041; 028099-2600; -1; 028099-6230; 15061-63042

Servicing: 028000-6250; -7830; 128000-0071; -140; -1161; -1470; -2160; -2161; -5590

O.D. 41.50, **L.** 102.45, **No. of teeth** 11, **Splines** 10, **Drive type** Steel

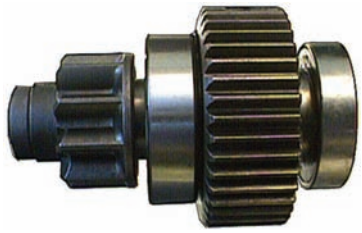


139083 Drive

Replacing: 295-500-089; 028300-6000; 028300-7710; -1; 1.01.0773.0

Servicing: 128000-4860; -1; -3; 228000-4550

O.D. 29.00, **I.D.** 12.00, **L.** 33.50, **No. of teeth** 9, **Splines** 6, **Rotation** ACR, **Drive type** Steel



139244 Drive/Clutch Assy

Replacing: 028300-7270; -760; 1.01.0816.0

Servicing: 128000-7810; 228000-1560; -3390; -7420

O.D. 33.00, **L.** 83.40, **No. of teeth** 10, **Splines** 10, **Drive type** Steel



139653 Drive

Replacing: 028300-8150; 1.01.0954.0; 028300-7790; 28011-55050; 28011-54380

Servicing: 128000-9890; 228000-2120; -680; -690; -700

O.D. 37.70, **L.** 83.00, **No. of teeth** 10, **Rotation** CR, **Drive type** Steel

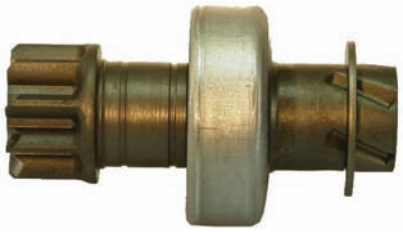


139845 Drive/Clutch Assy

Replacing: 028300-7920

Servicing: 228000-1020; -30; -80

O.D. 33.55, **L.** 83.40, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



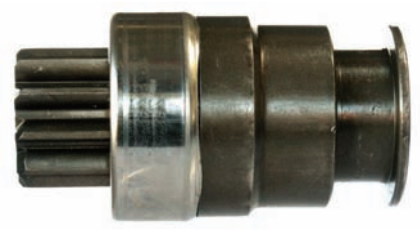
230053 Drive

Replacing: 028300-6790
Servicing: 128000-6230; -40; -750
O.D. 29.00, **I.D.** 15.00, **L.** 82.30,
No. of teeth 9, **Splines** 5, **Rotation** CR,
Drive type Steel



231946 Drive/Clutch Assy

Replacing: 54-8238; 028300-6040; 1.01.0967.0
Servicing: 128000-4920; -6060; -6080; -7260; -7650; 228000-0030; -50
O.D. 55.70, **I.D.** 17.15, **L.** 119.15,
No. of teeth 11, **Splines** 18, **Rotation** CR,
Drive type Steel



231948 Drive

Replacing: 54-8236; 028300-1860; 1.01.0813.0
Servicing: 028000-5250; 128000-0480
O.D. 39.75, **I.D.** 16.90, **L.** 108.65,
No. of teeth 10, **Splines** 4, **Rotation** CR,
Drive type Steel



231949 Drive

Replacing: 54-8222; 028300-1780; 1.01.0607.0
Servicing: 028000-4930; 128000-3280
O.D. 45.75, **I.D.** 16.80, **L.** 102.00,
No. of teeth 12, **Splines** 4, **Rotation** CR,
Drive type Steel



231950 Drive/Clutch Assy

Replacing: 54-8216; 1.01.0299.0; 231950
O.D. 25.90, **I.D.** 12.55, **L.** 79.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



233179 Drive

Replacing: 028300-6190
Servicing: 128000-4960; -5270; -5280; -5670; -6320
O.D. 33.60, **L.** 83.00, **No. of teeth** 9,
Drive type Steel



233398 Drive

Replacing: 028300-6840; 028300-7530; 1.01.0948.0
Servicing: 128000-5330; -1; -970; -7170; -7172; -7174; -7230; -7250; -9690; -9800; 228000-1360; -80; -90; -400
O.D. 39.80, **I.D.** 17.00, **L.** 104.15,
No. of teeth 10, **Splines** 18, **Rotation** CR,
Drive type Steel



233451 Drive

Replacing: 028300-6690; -1; 028300-3690; -1
Servicing: 028000-6780; 128000-2560; -5730; -5731; -5732; -8290; 228000-0630; -1350; -1830; -3700; -5641; -738
O.D. 40.00, **L.** 147.00, **No. of teeth** 10,
Splines 10, **Rotation** CR, **Drive type** Steel



233456 Drive

Replacing: 028300-8100; 028300-7610; -80; -860
Servicing: 128000-9700; -1; 228000-0810; -2050; -2051; -2260; -3990; -3991
O.D. 29.00, **L.** 83.20, **No. of teeth** 9,
Splines 10, **Rotation** CR, **Drive type** Steel



233457 Drive

Servicing: 228000-0220
O.D. 29.20, **L.** 109.15, **No. of teeth** 9,
Splines 10, **Rotation** CR, **Drive type** Steel



233458 Drive

Servicing: 228000-3400; -1; -2
O.D. 33.40, **L.** 109.45, **No. of teeth** 11,
Splines 10, **Rotation** CR, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



233641 Drive

Replacing: 028300-8011
Servicing: 228000-1770; -1; -2; -4930; -5220; -5340; 28100-67070
O.D. 39.75, **L.** 146.25, **No. of teeth** 11, **Splines** 10, **Drive type** Steel



233642 Drive

Servicing: 228000-4960
O.D. 34.00, **L.** 83.00, **No. of teeth** 11, **Splines** 10, **Rotation** ACR, **Drive type** Steel



233892 Drive

Replacing: 028300-8550
Servicing: 228000-5040
O.D. 29.30, **L.** 109.15, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



234230 Drive

Replacing: 028300-5720
Servicing: 128000-3540; -5500; -7050; -9360; 228000-2210; -9180
O.D. 29.60, **I.D.** 11.10, **L.** 53.60, **No. of teeth** 9, **Splines** 5, **Rotation** ACR, **Drive type** Steel



234269 Drive

Replacing: 028300-5200; -929
Servicing: 128000-1670; -1
O.D. 29.50, **I.D.** 11.80, **L.** 33.60, **No. of teeth** 9, **Splines** 6, **Drive type** Steel



234402 Drive

Replacing: 1.01.0841.0; 028300-5400; 28011-13060
Servicing: 128000-2610; -1; -3530; -3531; -4561; -9980; 228000-4620
O.D. 29.15, **I.D.** 11.00, **L.** 53.60, **No. of teeth** 9, **Splines** 5, **Rotation** CR, **Drive type** Steel



234404 Drive

Replacing: 1.01.0974.1; 234404
Servicing: 228000-6240
O.D. 27.65, **I.D.** 12.00, **L.** 33.65, **No. of teeth** 8, **Splines** 6, **Drive type** Bronze



234683 Drive

Replacing: 028300-6730; 028300-3731; 028300-6731
Servicing: 228000-4680; -6470; -6471
O.D. 39.20, **L.** 146.70, **No. of teeth** 13, **Splines** 10, **Drive type** Steel



234718 Drive

Replacing: 028099-7070; 16644-63041
Servicing: 228000-1070; -1
O.D. 41.35, **L.** 83.00, **No. of teeth** 11, **Splines** 10, **Drive type** Steel



234720 Drive

Replacing: 028300-7660; -1
Servicing: 128000-9970; -1
O.D. 38.10, **L.** 146.90, **No. of teeth** 11, **Splines** 10, **Drive type** Steel



234813 Drive

Replacing: 028300-8970
Servicing: 228000-8970
O.D. 29.00, **I.D.** 11.00, **L.** 64.55, **Shaft L.** 44.10, **No. of teeth** 10, **Splines** 5, **Rotation** ACR, **Drive type** Steel



234905 Drive

Servicing: 128000-8110; -1
O.D. 29.90, **L.** 87.15, **No. of teeth** 11, **Drive type** Steel



234911 Drive

Replacing: 128099-5350
Servicing: 228000-5860; -1; -2
O.D. 40.75, **L.** 109.00, **No. of teeth** 10, **Drive type** Steel



234970 Drive

Replacing: 028300-6010
Servicing: 128000-1870; -4870; -7480; 228000-0120; -2640; -7990; -9261; 280000-2640; -7190
O.D. 28.85, **I.D.** 13.00, **L.** 75.00, **No. of teeth** 9, **Splines** 5, **Rotation** ACR, **Drive type** Steel



235101 Drive

Servicing: 228000-7220
O.D. 35.00, **L.** 83.00, **No. of teeth** 9, **Splines** 10, **Drive type** Steel



235193 Drive

Replacing: 235193; 2380
Servicing: 228000-7791
O.D. 29.60, **L.** 53.40, **No. of teeth** 11, **Splines** 5



235497 Drive

Replacing: 028300-8160
Servicing: 228000-2550
I.D. 13.48, **L.** 82.93, **Shaft L.** 82.93, **Splines** 18, **Splines** 40, **Drive type** Steel



237379 Drive

Replacing: 237379; 2379
Servicing: 428000-0670; -80
O.D. 28.80, **L.** 43.25, **No. of teeth** 9, **Splines** 10



237880 Drive

Servicing: 428000-1620
O.D. 32.50, **L.** 50.50, **No. of teeth** 12, **Splines** 10



237990 Drive

Servicing: 428000-0720
O.D. 35.50, **L.** 50.30, **No. of teeth** 9, **Splines** 10

Drive Parts

Pkg 10



132043 Pinion

Replacing: 028099-3080; -90; 028099-5580; 132560; -868
Servicing: 028000-3641; -2; -4020; -4243; -4250; -4323; -4340; -4343; -4450; -4510; -4540; -4550; -4940; -5100
O.D. 29.15, **I.D.** 11.15, **H.** 25.20, **No. of teeth** 9, **Splines** 18

Pkg 5



132044 Pinion

Replacing: 028099-3400; 9260
Servicing: 028000-5060; -6440; -7000; -7001; -7002; -7003; -7351; -7790; -7791; -7792; -9300; 128000-0020; -83
O.D. 32.20, **I.D.** 11.75, **H.** 23.35, **No. of teeth** 9, **Splines** 18

Pkg 5



132405 Pinion

Replacing: 028099-3310; 028099-5460
Servicing: 028000-4800; -5300; -5301; -5510; -5511; -5520; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5
O.D. 40.00, **I.D.** 16.90, **H.** 36.00, **No. of teeth** 11, **Splines** 16

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



132550 Drive/Clutch Spring

Replacing: 949170-4040
Servicing: 028000-4800; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5551; -5
O.D. 19.45, **L.** 90.60
2.5 kW.
Assort. 803030



132566 Pinion

Replacing: 028099-3930; 028371-2240
Servicing: 028000-7370; -2; -3; -660; -661; -662; -8760; -8761; -8762; 128000-0360; -1; -2; -1880; -7350; -735
O.D. 40.00, **I.D.** 17.00, **H.** 23.55,
No. of teeth 11, **Splines** 18



132865 Pinion

Replacing: 028099-3230; -90
Servicing: 028000-5880; -7800; -7801; -7802; 128000-0210; -540; -2270; -2480; -3120; -4220; -4910; 228000-2290
O.D. 39.60, **I.D.** 16.90, **H.** 36.00,
No. of teeth 13, **Splines** 16



132866 Pinion

Replacing: 028099-6300; 028371-5390; 028099-6260
Servicing: 128000-4950; -5430; -9380
O.D. 28.90, **I.D.** 11.80, **H.** 25.00,
No. of teeth 11, **Splines** 18



132867 Pinion

Replacing: 028099-4000; 028099-5610
Servicing: 028000-8230; -390; -610; -611; -612; 128000-0550; -1; -1050; -1770; -2930; -2931; -2932; -2933; -29
O.D. 40.00, **H.** 23.50, **No. of teeth** 10,
Splines 18



132950 Pinion

Replacing: 028099-5560
Servicing: 028000-5800; 128000-0710; -20; -2070; -7300; 228000-0111; -3800
O.D. 44.00, **I.D.** 11.65, **H.** 23.60,
No. of teeth 15, **Splines** 18

Pkg 10



133353 Pinion

Replacing: 028099-3270; 128099-5360
Servicing: 028000-6780; 128000-1060; -780; -2250; -2560; -3030; -4090; -4970; -5370; -5600; -5730; -5731; -829
O.D. 39.80, **I.D.** 15.55, **H.** 36.15,
No. of teeth 10, **Splines** 16



133354 Pinion

Replacing: 028099-6200
Servicing: 028000-8400
O.D. 34.00, **I.D.** 18.25, **H.** 40.00,
No. of teeth 11, **Splines** 16



133355 Pinion

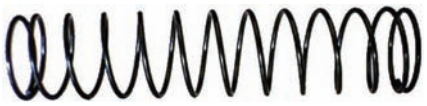
Replacing: 028099-3210
Servicing: 028000-5000; -7730; -7731; -7732; 128000-3361; -6860; -6861
O.D. 34.90, **I.D.** 14.40, **H.** 36.00,
No. of teeth 9, **Splines** 16



133356 Pinion

Replacing: 028099-5590; 028371-6190; 028099-6550; 028371-1980
Servicing: 028000-6250; -7420; -7830; 128000-0071; -140; -1161; -1470; -2160; -2161; -5590; -6280; 228000-1000
O.D. 41.70, **I.D.** 17.00, **H.** 23.50,
No. of teeth 11, **Splines** 18

Pkg 10



134301 DP Springs

Servicing: 028300-2011; -4550
O.D. 19.50, **L.** 88.40



134807 Drive/Clutch Assy

Replacing: 17381-63211; 028381-0040
Servicing: 028000-3641; -2; -4323; -4343; -4450; -4540; -4940; -5060; -5800; -5821; -5822; -5900; -5911; -5912
Rear D. 13.60, **L.** 102.50, **No. of splines** 18



134903 Pinion

O.D. 33.00, **I.D.** 11.25, **H.** 23.45,
No. of teeth 9, **Splines** 16



135003 Pinion

Replacing: 028099-3380; 028300-5741; 230787
Servicing: 028000-6260; -1; -570; -7740; -8432; -9031; -9032; 128000-0181; -940; -941; -950; -1030; -2130; -21
O.D. 34.00, **I.D.** 11.20, **H.** 23.50,
No. of teeth 9, **Splines** 18



135310 Pinion

Replacing: 028099-3110; -940
Servicing: 028000-8570; -80; -81; -9510; -9800; 128000-1220; -30; -2210; -3810; -7190; -7200; -8310; -8311; -8
O.D. 29.20, **I.D.** 11.85, **H.** 23.65,
No. of teeth 9, **Splines** 18
Anti CW rotation.

Pkg 5



135344 Spring

Replacing: 949170-4260
Servicing: 028000-3641; -2; -4323; -4343; -4450; -4540; -4940; -5060; -5780; -5800; -5821; -5822; -5900; -5911
O.D. 16.10, **L.** 60.75



135570 Pinion

Replacing: 028371-5653; 028371-6490; -780; -960
Servicing: 128000-3470; -1; -2; -80; -81; -82; -5940; -5941; -5942; -5950; -5951; -5952; -7390; -8400; -9710;
O.D. 40.45, **I.D.** 11.85, **H.** 23.60,
No. of teeth 13, **Splines** 18
Anti CW rotation.



135830 Pinion

Replacing: 028099-3900
Servicing: 028000-8370; -1; 128000-5760; 228000-0381; -91; -450; -1920; -1930; -3000; -4790; -6010; -6020; -61
O.D. 35.35, **I.D.** 17.10, **H.** 23.60,
No. of teeth 9, **Splines** 18



136621 Pinion

Replacing: 028099-7530
Servicing: 128000-3380; -1
O.D. 29.25, **I.D.** 11.15, **H.** 25.55,
No. of teeth 9, **Splines** 18
CCW-ROT.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



137858 Pinion Spring

Replacing: 128953-0050; 949170-3371
Servicing: 028000-6280; 128000-1151; -2070; -3111; -3410; -3471; -3472; -3481; -3482; -5941; -5942; -5951; -59
O.D. 16.15, **L.** 11.00

Pkg 5



137859 Pinion Spring

Replacing: 949170-4030
Servicing: 128000-8620; -1; 228000-1600; -1; -10; -11
O.D. 16.60, **L.** 16.45



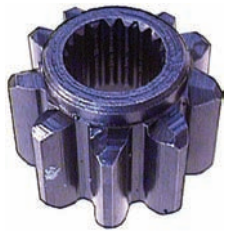
137864 Drive Shaft

Replacing: 028381-5140; -50
Servicing: 128000-7002; -122; -140; -390; -500; -713; -714; -8030; -8210; -8310; -8311; -8312; -8320; -8321; -
L. 83.20, **No. of splines** 18



138123 Pinion

Replacing: 9492; 138123
Servicing: 228000-0360
O.D. 27.45, **I.D.** 11.20, **H.** 24.80,
No. of teeth 10, **Splines** 18



138124 Pinion

Replacing: 028099-7560
Servicing: 128000-2830; -4750; -6930; -6940; -7460; 228000-2050; -1; -260; -3990; -3991
O.D. 29.50, **I.D.** 13.20, **H.** 23.50,
No. of teeth 9, **Splines** 18
CW or Anti CW rotation.



138575 Pinion

Replacing: 028371-6640; 128099-5400
Servicing: 128000-8620; -1; 228000-1600; -1; -10; -11; -2030; -2031; -5980; -5990
O.D. 44.90, **I.D.** 16.90, **H.** 36.00,
No. of teeth 12, **Splines** 16



138576 Drive/Clutch Assy

Replacing: 028381-0071
Servicing: 028000-4800; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5551; -5
L. 146.80, **No. of splines** 10



138577 Pinion

Servicing: 128000-1181
O.D. 34.40, **I.D.** 11.65, **H.** 23.40,
No. of teeth 11, **Splines** 18

Pkg 5



138609 Shaft Spring

Replacing: 028326-5030
Servicing: 128000-7002; -122; -390; -713; -714; -8210; -8310; -8311; -8312; -8320; -8321; -8322; -8400; -8460;
O.D. 16.10, **L.** 60.50



139038 Drive/Clutch Assy

Replacing: 028381-0120
Servicing: 028000-5780; -6550; -8570; -8580; -8581; -9510; 128000-1220; -30; -2210; -2830; -3471; -3472; -3481
Rear D. 13.50, **L.** 102.50, **No. of splines** 18



139147 Pinion

Replacing: 028099-3910; 028371-7060; 028371-5730
Servicing: 028000-8451; -980; 128000-0930; -5350; -9550; -9560; -9860; -9870; -9880; -9890; 228000-0200; -460;
O.D. 37.65, **I.D.** 11.60, **H.** 23.55,
No. of teeth 10, **Splines** 18



139606 Pinion

Replacing: 028371-5030
Servicing: 128000-1151; 228000-1800
O.D. 33.35, **I.D.** 11.70, **H.** 23.55,
No. of teeth 11, **Splines** 18



139654 Pinion

Replacing: 028099-7590; 028371-6980; 028371-7590; 028099-6310;
Servicing: 128000-7810; 228000-1560; -3260; -3390; -7420
O.D. 32.15, **I.D.** 11.80, **H.** 23.50,
No. of teeth 10, **Splines** 18



233452 Pinion

O.D. 40.30, **I.D.** 16.90, **H.** 36.00,
No. of teeth 10, **Splines** 16



234650 Pinion

Replacing: 128099-5340
Servicing: 228000-6470; -1
O.D. 39.30, **I.D.** 15.00, **H.** 39.95,
No. of teeth 13, **Splines** 16



234708 Pinion

Replacing: 128099-5250
Servicing: 128000-9960; -1; -70; -71; 228000-0190; -1
O.D. 38.50, **I.D.** 16.90, **H.** 36.00,
No. of teeth 11, **Splines** 16



235345 Pinion

Replacing: 028099-5740; -1
Servicing: 028000-6240; 128000-0170; -6640; 228000-1020; -30; -80
O.D. 34.20, **I.D.** 13.20, **H.** 23.50,
No. of teeth 9, **Splines** 18

Washers

Pkg 10



137365 Washer

O.D. 15.00, **I.D.** 11.30, **Th.** 2.90, **Material** Steel

Pkg 10



138148 Washer

Replacing: 028327-0170; -1; 28222-77090
Servicing: 028000-4800; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5551; -5
O.D. 39.80, **I.D.** 15.25, **Th.** 0.55, **Material** Steel

Planet Gears

Gear Parts

Pkg 10



132885 Roller

Replacing: 028306-0070
Servicing: 028000-6780; 128000-2560; -3120; -5370; -8290; 228000-0630; -842; -1350; -1830; -2290; -3310; -3810

Used w/ plastic cage: Cargo 135474.
Assort. 803030

Pkg 5

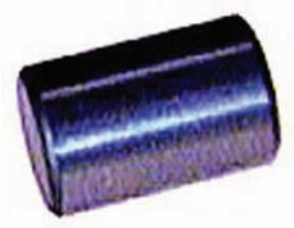


132895 Plastic Cage

Replacing: 028063-0040; -11; 135980
Servicing: 128000-2130; -5750; -7002; -7122; -7390; -7560; -7713; -7714; -8210; -8220; -8310; -8311; -8312; -8
O.D. 21.00
Used w/ roller: Cargo 132896.
Assort. 803030

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



132896 Roller

Replacing: 028306-0061
Servicing: 028000-3641; -2; -4323; -4343; -4450; -4540; -4940; -5060; -5120; -5780; -5800; -5821; -5822; -5900

Used w/ plastic cage: Cargo 132895.
Assort. 803030

Pkg 5



135474 Plastic Cage

Replacing: 028063-0030; 28229-56080
Servicing: 028000-4800; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5551; -5
O.D. 28.70
Used w/ roller: Cargo 132885.



139828 Gear Shaft

Replacing: 028610-5010; 28014-07002
Servicing: 128000-5210; -1; -680; -681; -682; -6212; -6340; -6341; -6420; -6422; -6720; -6721; -7400; -8530; -
L. 114.00, **No. of splines** 10

Pkg 5



230058 Washer

Replacing: 949013-8090; 90099-01538
Servicing: 128000-5210; -1; -680; -681; -682; -6212; -6340; -6341; -6420; -6422; -6720; -6721; -7400; -7620; -
O.D. 17.80, **I.D.** 7.75, **Th.** 0.60, **Material** Steel

Pkg 5



230059 Washer

Replacing: 949013-8100; 90099-08100
Servicing: 128000-5210; -1; -680; -681; -682; -6212; -6340; -6341; -6420; -6422; -6720; -6721; -7400; -7620; -
O.D. 26.00, **I.D.** 15.15, **Th.** 0.40, **Material** Steel

Pkg 5



233690 Washer

Replacing: 949013-8110; 90099-01539
Servicing: 128000-5210; -1; -680; -681; -682; -6212; -6340; -6341; -6420; -6422; -6720; -6721; -7400; -7620; -
O.D. 25.90, **I.D.** 15.20, **Th.** 1.80, **Material** Metal

Stationary

Pkg 5



136085 Gear Wheel

Replacing: 028635-5010
Servicing: 128000-2682; -5210; -5211; -5680; -5681; -5682; -6212; -6340; -6341; -6420; -6422; -6720; -6721; -7
O.D. 63.00, **I.D.** 40.20, **H.** 23.40

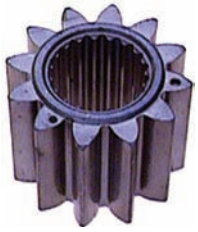
Gear Covers



139829 Outer Gear

Replacing: 028410-5010; 28013-70020; 028410-5040
Servicing: 128000-3530; -5210; -5211; -5680; -5681; -5682; -6212; -6340; -6341; -6420; -6422; -6720; -6721; -7
O.D. 68.00, **I.D.** 15.00, **H.** 35.40

Gear Wheels



136887 Gear Wheel

Replacing: 28251-87702-000; 31211-pc2-661; 8-94170213-0; 15511-63261; 028371-2360; 028371-6510; 49291-7502; 282
Servicing: 028000-6260; -7700; -8980; -9320; -9321; -9380; -9510; -9860; 128000-0050; -71; -130; -140; -170; -
O.D. 18.70, **I.D.** 8.85, **H.** 13.85,
No. of teeth 12, **Splines** 19



137979 Gear Wheel

Replacing: 028630-5010; 28235-70020
Servicing: 128000-5210; -1; -680; -681; -682; -6212; -6340; -6341; -6420; -6422; -6720; -6721; -7400; -7620; -
O.D. 21.55, **I.D.** 6.00, **H.** 7.40, **No. of teeth** 15



138569 Gear

Replacing: 28254-77090-000; 02837-11500; 15451-63261; 028371-1500; 28254-77090
Servicing: 028000-4800; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5551; -5
O.D. 49.50, **I.D.** 30.00, **H.** 17.40, **No. of teeth** 31



138570 Gear

Replacing: 28254-87702-000; 5-81123011-0; 15401-63271; rf01-24-747; 028371-1220; -420; 028371-3251; 28254-45020
Servicing: 028000-3641; -2; -4323; -4343; -4450; -4540; -4940; -4990; -5060; -5190; -5390; -5780; -5800; -5821
O.D. 34.90, **I.D.** 21.95, **H.** 13.80, **No. of teeth** 26

Pkg 10



139455 Gear Wheel

Replacing: 28251-87701-000; 5-81123010-0; 028371-1410; 28251-54070; 028371-1210; 31213-ze2-0030
Servicing: 028000-3641; -2; -4323; -4343; -4450; -4940; -4990; -5060; -5190; -5390; -5780; -5800; -5821; -5822
O.D. 20.85, **I.D.** 9.30, **H.** 13.80, **No. of teeth** 14, **Splines** 19



231803 Gear Wheel

Replacing: 028371-6380; -620; 028371-7190
Servicing: 128000-7002; -122; -390; -713; -714; -8210; -8220; -8310; -8311; -8312; -8320; -8321; -8322; -8400;
O.D. 35.55, **I.D.** 22.00, **H.** 11.85, **No. of teeth** 26



233546 Gear Wheel

Replacing: 028371-5010; 28254-64040; 28254-64040-000; 8-94167427-0
Servicing: 128000-0830; -1; -2; -3; -5350; -5760; -9560; 228000-0200; -390; -391; -460; -880; -1690; -1780; -1
O.D. 37.35, **I.D.** 21.90, **H.** 13.85, **No. of teeth** 27



235140 Gear Wheel

Replacing: 028371-3200; 1-81123035-0; 28253-1040a
Servicing: 128000-2450; -70; -560; -740; -3361; -4250; -4682; -4683; -4684; -4685; -4687; -5370; -5730; -5731;
O.D. 24.67, **I.D.** 13.19, **H.** 17.91, **No. of teeth** 13, **Splines** 18



235211 Gear Wheel

Replacing: 028371-3210; 1-81123034-0; 28253-1050a
Servicing: 128000-2450; -70; -560; -740; -3361; -4250; -4682; -4683; -4684; -4685; -4687; -5370; -5730; -5731;
O.D. 50.60, **I.D.** 30.22, **H.** 17.30, **No. of teeth** 31

Pkg 10



237012 Gear Wheel

Replacing: 028371-7070; res12441
Servicing: 028000-6550; -7600; -8570; -8580; -8581; 128000-1220; -30; -2210; -2830; -4610; -7200; 228000-2120;
O.D. 21.60, **H.** 14.00, **No. of teeth** 14, **Splines** 21

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Gear Plates



139049 Gear Plate

Replacing: 28118-87201-000; 8-94367791-0; 028452-5010; 28177-70020

Servicing: 128000-5210; -1; -680; -681; -682; -6212; -6340; -6341; -6420; -6422; -6720; -6721; -7400; -7620; -

O.D. 63.40, **I.D.** 18.00

Levers



133812 Lever

Replacing: 31203-ph9-004; 028740-5010

Servicing: 128000-2520; -631; -682; -820; -3090; -3091; -3250; -3251; -3260; -3261; -3530; -3531; -3651; -4030

L. 75.00, **Lever** 1



139051 Lever

Replacing: 28113-87203-000; 028740-5060; 31191-51a10; 28113-13060

Servicing: 128000-2611; -21; -800; -980; -4020; -4040; -4050; -4070; -4130; -4160; -4170; -4180; -4350; -4430;

L. 75.30, **Lever** 1



139052 Lever

Replacing: 028740-0490

Servicing: 028000-5334; -5; -6380; -6381; -6382; -6383; -6384; -6385; -6391; -6392; -6393; -6394; -6395; -6396

L. 82.20, **Lever** 1



139271 Lever

Replacing: 028740-0280; -1; 28113-41011

Servicing: 028000-1975; -6; -2260; -2261; -2262; -2263; -2264; -2265; -2360; -2361; -2362; -2363; -2364; -2660

L. 87.40, **Lever** 1



139492 Lever

Replacing: 28113-87204-000; 8-94367783-0; 028740-5150; 28113-16070

Servicing: 128000-5680; -1; -2; -6212; -6420; -6422; -7400; -8530; -8531; -8880; -8881; -8890; -8891; -8970; -

L. 72.90, **Lever** 1



139883 Lever

Replacing: 31203-pa5-911; 1345-24-716; 1345-24-716a; 028740-0540; 31191-79661; 28113-16010

Servicing: 028000-8010; -160; -690; -700; -9100; 128000-0290; -670; -680; -920; -990; -1862; -2110; -2111; -36

L. 83.80, **Lever** 1



139884 Lever

Replacing: 028740-5140

Servicing: 128000-5210; -1; -6340; -6341; -6720; -6721; -7620; -8870; -8871; -9200; -9201; -9230; -9290; -9291

Lever 1



235253 Lever

Replacing: res14809; 235253

Servicing: 0124625014; -9; 228000-9540

L. 74.39, **Lever** 1



235313 Lever

Replacing: 2130-2914; 23322-6t000

Servicing: s13-107a; -17a; -26a; s13-127; -212; -213; S13-307A; S13-317; -22; -26; -27; -4-205; -4-206

L. 109.16, **Lever** 1



235371 Lever

Replacing: 2114-16016; 23322-77A04; 114371-77180

Servicing: 114351-77011; 114362-77011; 119226-77010; 119631-77011; 119865-77012; 124097-77010; -50; 124195-770

L. 82.40, **Lever** 1

Clutches



134806 Clutch

Replacing: 028099-3130; 028099-5730; 028300-2081; -220; -222; 028300-5300; 028300-6850; 028300-7000; 1.01.0921.

Servicing: W/ Bearing 028000-3641; -2; -4323; -4343; -4450; -4540; -4940; -5060; -5800; -5821; -5822; -5900; -5

L. 64.00, **Splines** 10



135974 Clutch

Replacing: 028301-0010; -130; -410

Servicing: 128000-6210; -1; -7002; -7122; -7560; -7713; -7714; -8210; -8260; -8460; -8470; -8784; -9190; -9191



138155 Clutch

Replacing: 028099-3150

Servicing: 028000-7600; 128000-1220; -30; -790; -2210; -2830; -4610; -7200

L. 64.00

Anti CW rotation. w/o bearing.



138681 Clutch

Replacing: 028300-5380; -1

Servicing: 028000-4800; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5551; -5

L. 92.00

w/ bearing.



138804 Clutch Assy

Replacing: 028300-5701; 28011-74060

Servicing: 128000-3471; -2; -81; -82; -5941; -5942; -5951; -5952; -7190; -7770; 228000-3330; -5920

L. 92.00

Anti CW rotation. w/o bearing.



139084 Clutch

Servicing: 128000-6870

L. 74.00

w/o bearings.



139840 Clutch

Replacing: 028301-0020; 1.01.0883.1

Servicing: 128000-7390; -8310; -8311; -8312; -8400; -9710; -9720; 228000-0420; -820; -830; -1910; -2500; -3220

L. 80.50

Anti CW rotation. w/ bearing.



230254 Clutch

Replacing: 028301-0030; 1.01.0885.1

Servicing: 128000-8320; -1; -2; -480; 228000-0230; -1

L. 52.00

Anti CW rotation. w/o bearing.



230857 Clutch

Replacing: 028301-0190; 1.01.0750.1; 135974; 028301-0080; -500

Servicing: 128000-6210; -1; -7002; -7122; -7560; -7713; -8210; -8220; -8260; -8784; -9191; -9300; -9520; -9751

L. 52.00

w/ bearing.



231944 Clutch

Replacing: 54-82407; 028301-0060; 1.01.0884.1

Servicing: 228000-0220; -1800; -3400

O.D. 29.50, **L.** 80.50

w/ bearing.



233180 clutch

Replacing: 028300-4170; 028300-6750; -1

Servicing: 028000-5651; -2; -880; -6010; -6012; -6013; -6020; -6021; -6022; -7450; -7451; -7452; -7540; -7541;

L. 92.00

w/ bearing.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



234719 Clutch

Servicing: 10455703; -9; 128000-8110; -1; -380
L. 56.50
w/ bearing.

Parts

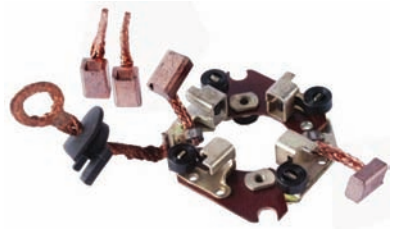
Pkg 100



132886 Clutch Spring

Servicing: 028000-4800; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5551; -5
O.D. 7.00, **L.** 12.00
Also used in plastic case on 2.50 kW.
Assort. 803030

Brush Gears



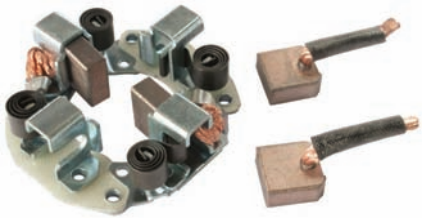
132559 Brush Gear

Replacing: 028510-0560
Servicing: 028000-5330; -1; -2; -3; -4; -5; -6380; -6381; -6382; -6383; -6384; -6385; -6391; -6392; -6393; -63
V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With



132871 Brush Gear

Replacing: 028510-0441
Servicing: 028000-3641; -2; -4000; -4020; -4200; -4243; -4250; -4323; -4340; -4343; -4450; -4510; -4730; -4940
V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With
Neg. brushes. Brush set: Cargo 140362.



132872 Brush Gear

Replacing: 028510-0750; 028510-5320; 28140-15090
Servicing: 028000-7700; -8980; -9320; -9321; -9380; -9860; 128000-0050; -71; -130; -140; -170; -181; -200; -20
V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With



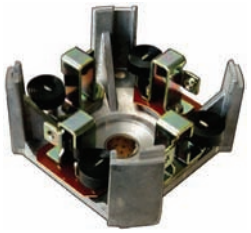
132873 Brush Gear

Replacing: 028510-0640; -840; 028510-5500
Servicing: 028000-7000; -1; -2; -3; -370; -372; -373; -660; -661; -662; -740; -790; -791; -792; -8130; -8210;
V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With
Neg. brushes. Brush set: Cargo 140364.



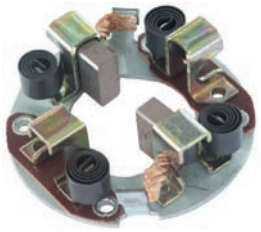
132874 Brush Gear

Replacing: 028510-0500; 028510-5390
Servicing: 028000-4800; -5000; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5
V. 12/24, **Brush** With, **Brush gear** 1, **Spring terminal** With
Neg. brushes. Brush set: Cargo 140361.



133337 Brush Gear

Replacing: 4n7477; 028500-0550; -1
Servicing: 028000-3290; -1; -650; -930; -970; -4870; -4930; -5040; -5250; -5920; -5960; -5961; -6920; -7430; -
V. 12, **Brush** w/o, **Brush gear** 1, **Spring terminal** With
Brush set: Cargo 140393.



133660 Brush Gear

Replacing: 028510-0580; 28140-87701
Servicing: 028000-7600; -8580; -8581; 128000-1220; -3380; -3381; -3470; -3471; -3472; -4610; -5941; -5942; 228
V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With
Neg. brushes. Brush set: Cargo 140362.



133661 Brush Gear

Replacing: 31208-pc2-671; 5-81118022-0; 028510-0460; -80; -660; 028510-5310; 28140-26070; 133656; 028510-0661

Servicing: 028000-4540; -50; -5900; -5910; -5911; -5912; -6000; -6001; -6030; -6300; -6361; -6362; -6620; -670

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo 140362.



133709 Brush Gear

Replacing: 21231-ze2-0030; 028512-5040; 31231-ze2-0030

Servicing: 128000-2240; -1; -750; -3390; -3400; -3780; -9400; 31200-zh9-003

V. 12, **Brush** w/o, **Brush gear** 1, **Spring terminal** w/o

Brush: Cargo 140570. Brush spring: Cargo 133710.



133715 Brush Gear

Replacing: 31206-ha0-0040; 028510-0632; 028510-5270; 12234-63381; 31132-44110

Servicing: 028000-8411; -9133; -9872; -9880; -9882; -9883; 128000-1190; -431; -491; -2760; -2950; -4461; -4470

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo 140566.



133808 Brush Gear

Replacing: 31231-ph9-004; md604645; 028514-5020; 28149-10020

Servicing: 128000-2520; -611; -621; -631; -800; -820; -980; -3090; -3091; -3251; -3261; -3530; -3531; -3651; -

V. 12, **Brush** w/o, **Brush gear** 1, **Spring terminal** w/o

Brush springs: Cargo 133810. Brush set: Cargo 140602.



135339 Brush Gear

Replacing: 028510-5410; -20; 23378-aa050; -60; 28140-74070

Servicing: 128000-7390; -8310; -8311; -8312; -8320; -8321; -8322; -8400; -9710; -9720; 228000-0420; -820; -830

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo 140885.



136103 Brush Gear

Replacing: 028510-5190

Servicing: 128000-2682; -5210; -5211; -5680; -5681; -5682; -6212; -6340; -6341; -6420; -6422; -6720; -6721; -7

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo 140740.



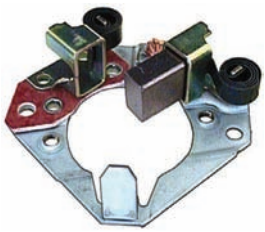
136314 Brush Gear

Replacing: 028510-0830; 28140-87704

Servicing: 028000-9510; 128000-1230; -60; -2210; -2830; -3480; -3481; -3482; -5951; -5952; -7200; -7770

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Anti CW rotation. Neg. brushes. Brush set: Cargo 140396.



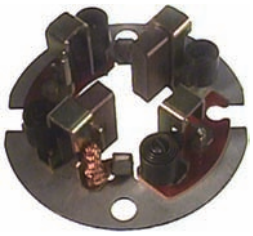
136768 Brush Gear

Replacing: 028510-0760; 31173-79010

Servicing: 028000-1541; -8460; -9181; -9182; -9202; -9203; -9210; -9220; -9221; -9230; -9240; -9890; -9940; 12

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo 140647.



137021 Brush Gear

Replacing: 8-94167430-0; 028510-5010; 23325-ka010; 28140-64040

Servicing: 128000-0830; -1; -2; -3; -3250; -3260; -5350; -5760; -9560; 228000-0200; -390; -391; -460; -880; -1

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo 140364.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



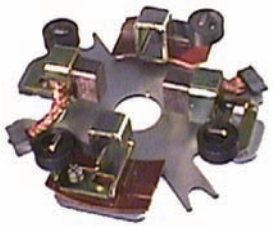
137955 Brush Gear

Replacing: 8-94377258-0; 028510-5360; -450; 28140-76060; -90

Servicing: 128000-7122; -560; -713; -714; -8220; -8460; -8470; -8784; -9190; -9191; -9380; -9751; -9752; 22800

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo 140740.



138145 Brush Gear

Replacing: 028510-0141; -80

Servicing: 028000-1973; -5; -6; -2260; -2261; -2262; -2263; -2360; -2361; -2362; -2363; -2364; -2660; -2661; -

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo 140356.



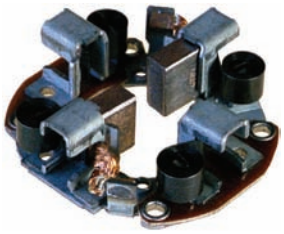
138385 Brush Gear

Replacing: 028510-0230

Servicing: 028000-4651; -790; -840; -5070; -5071; -5350; -5720; -6070; -6330; -6510; -6511; -6790; -7270; -731

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo 140357.



138419 Brush Gear

Replacing: 31208-pr4-0030; 8-94377249-0; 028510-5350; -660; 28140-76070

Servicing: 128000-7002; -8210; -9300; -9310; -9520; -9860; -9870; -9880; -9890; 228000-0220; -410; -440; -760;

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo 140362.



138672 Brush Gear

Replacing: 9x1275; 028510-0880

Servicing: 128000-0490; -2450; -2470; -2560; -2740; -3361; -4250; -4682; -4683; -4684; -4685; -4687; -4910; -5

V. 24, **Brush** w/o, **Brush gear** 1, **Spring terminal** With

Brush set: Cargo 140963.



139150 Brush Gear

Replacing: 028510-5800; 028510-6020; 28140-54380

Servicing: 228000-2120; -680; -690; -700; -980; -990; -3260; -3840; -3850; -3851; -3920; -4050; -4291; -4570;

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo 140961.



139488 Brush Gear

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo 140364.



233813 Brush Gear

Servicing: 228000-4960; -7710

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo 140961.



235049 Brush Gear

Replacing: 028510-0651

Servicing: 028000-7040; -2; -51; -52; -8422; -9620; -9622; -9623; 128000-0800; -1550; -1551; -1670; -1671; -51

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo 141240.

Brush gears parts

Brush Springs

Pkg 10



132551 Brush Spring

Replacing: 949173-0571
Servicing: 028000-4800; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5551; -5
L. 26.50
Assort. 803030; 803041

Pkg 10



132552 Brush Spring

Replacing: 949173-0610
Servicing: 028000-7000; -1; -2; -3; -370; -372; -373; -660; -661; -662; -740; -791; -792; -8210; -8371; -8440;
L. 22.50
Assort. 803030; 803041

Pkg 10



132887 Brush Spring

Replacing: 949173-0461
Servicing: 028000-3641; -2; -4323; -4343; -4450; -4540; -4870; -4930; -4940; -4990; -5060; -5190; -5390; -5780
L. 23.20
Assort. 803030; 803041

Pkg 10



133710 Brush Spring

Replacing: 949170-9100; 31219-ze2-003
Servicing: 128000-2240; -1; -750; -3390; -3400; -3780; -9400; 31200-zh9-003
L. 19.00
Assort. 803030

Pkg 10



133810 Brush Spring

Replacing: 31212-ph9-004; md604644; 028520-5010
Servicing: 128000-2520; -610; -611; -621; -631; -800; -820; -980; -3090; -3091; -3250; -3251; -3260; -3261; -3
O.D. 6.20, **L.** 22.00
Assort. 803030; 803041

Pkg 4



136104 Brush Spring

Replacing: 028520-5030
Servicing: 128000-2682; -5210; -5211; -5680; -5681; -5682; -6212; -6340; -6341; -6420; -6422; -6720; -6721; -7
O.D. 11.70, **L.** 20.45

Pkg 4



137700 Brush Spring

Replacing: 949173-0600
Servicing: 028000-5334; -5; -6380; -6381; -6382; -6383; -6384; -6385; -6391; -6392; -6393; -6394; -6395; -6396
O.D. 11.40, **L.** 20.90
Assort. 803041



233868 Brush Spring Set

Replacing: 8599-24-752; m391c02501; -801; me700128; 128953-0080; 23333-t9000; 133725
Servicing: 228000-2120; -680; -690; -700; -980; -990; -3260; -3840; -3850; -3851; -3920; -4050; -4291; -4570;
O.D. 11.50, **L.** 22.70
Assort. 803028; 803041

Pkg 10



239475 Brush Spring

Servicing: 228000-4960; -1; -7710
O.D. 11.70, **L.** 20.00

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Brush Sets



140355 Brush Set

Replacing: jndsx-11; 28142-46010; 140355
V. 12, **L.** 18.65, **Th.** 9.10, **H.** 20.00,
No. of brushes 4

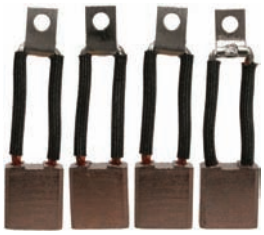
Pkg 10



140356 Brush Set

Replacing: jndsx-12; 028531-0110; 28142-21010; 28142-25010; jasx14
Servicing: 028000-1973; -5; -6; -2241; -2970; -3360; -3361; -3500; -3501; -3700; -4042; -4050; -4440; -4480; -
V. 12, **L.** 16.02, **Th.** 6.79, **H.** 11.72,
No. of brushes 4
Assort. 803029

Pkg 5



140358 Brush Set

Replacing: 2814c-46013; jndsx-18; taj406; 028530-0341; -90; 28530-0330; -90; 28142-46013; -20; 28142-47021
Servicing: 028000-2880; -3530; -3570; -4850; -5160
V. 12, **L.** 22.00, **Th.** 7.90, **H.** 19.70,
No. of brushes 4
Assort. 803029



140359 Brush Set

Replacing: jndsx-20; 028531-0300; -50; 28142-25020; 028531-0230; jasx22; -62
Servicing: 028000-2000; -151; -240; -260; -261; -262; -263; -360; -361; -362; -363; -364; -680; -681; -682; -3
V. 12, **L.** 18.88, **Th.** 6.97, **H.** 11.67,
No. of brushes 4
Assort. 803029



140360 Brush Set

Replacing: jndsx-25; taj401; 028531-0380; 28142-25011; jasx63
Servicing: 028000-2260; -1; -2; -3; -360; -361; -362; -363; -364; -660; -661; -662; -664; -665; -680; -681; -6
V. 12, **L.** 15.90, **Th.** 6.87, **H.** 11.93,
No. of brushes 4
Assort. 803029



140361 Brush Set

Replacing: 2814a-77090; jndsx-31; taj407; 028099-3560; -70; 028531-0632; 28140-77090; 028531-5651; -0; jasx88
Servicing: 028000-4800; -5000; -5300; -5301; -5510; -5511; -5520; -5530; -5531; -5532; -5541; -5542; -5543; -5
V. 12, **L.** 21.00, **Th.** 7.93, **H.** 24.86,
No. of brushes 4
w/ plaque: Cargo 141223.
Assort. 803029; 803038



140362 Brush Set

Replacing: 31208-657-040; -300; jndsx-32; taj403; -10; 028099-2620; -70; -770; 028531-0450; -946; 28140-34030;
Servicing: 028000-3641; -2; -4000; -4020; -4200; -4243; -4250; -4323; -4340; -4343; -4450; -4510; -4730; -4940
V. 12, **L.** 14.52, **Th.** 6.92, **H.** 15.78,
No. of brushes 4
Assort. 803029; 803038



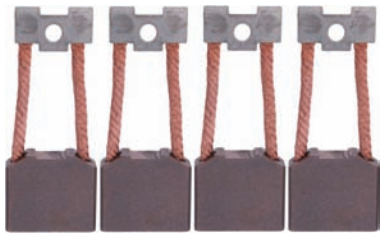
140363 Brush Set

Replacing: 31209-590-004; 31210-pa0-006; 31231-pa0-060; jndsx-34; taj409; 028099-3510; 028531-0680; 028531-3510
Servicing: 028000-5330; -1; -2; -3; -4; -5; -6380; -6381; -6382; -6383; -6384; -6385; -6391; -6392; -6393; -63
V. 12, **L.** 15.60, **Th.** 6.37, **H.** 9.93,
No. of brushes 4
Assort. 803029; 803038



140364 Brush Set

Replacing: jndsx-35; 028099-7170; 028531-0840; 28140-54070; 028531-5630; 028099-7171; jasx77-78
Servicing: 028000-5620; -7000; -7001; -7002; -7003; -7370; -7372; -7373; -7660; -7661; -7662; -7740; -7790; -7
V. 12, **L.** 15.18, **Th.** 7.84, **H.** 24.68,
No. of brushes 4
Assort. 803029; 803038



140393 Brush Set

Replacing: jndsx-28; 028530-0480; 385300-480; 028530-0481; -7; jasx35

Servicing: 028000-3291; -650; -930; -4870; -4930; -5040; -5250; -5960; -5961; -7430; -7431; 128000-0260; -480;

V. 12, **L.** 26.36, **Th.** 8.86, **H.** 29.75,
No. of brushes 4
Assort. 803029



140396 Brush Set

Replacing: jndsx-33; taj405; 028099-3430; 028531-0720; -30; jasx89

Servicing: 028000-4540; -5900; -5910; -5911; -5912; -6000; -6001; -6030; -6300; -6361; -6362; -6620; -6700; -6

V. 12, **L.** 13.55, **Th.** 6.80, **H.** 15.95,
No. of brushes 4
Assort. 803029

Pkg 10



140566 Brush

Replacing: 31215-za1-003; -13; 028530-0980; 028530-1020; -30; 028530-0932; -3; 028530-1021; -31; jasx1

Servicing: 028000-8411; -9133; -9872; -9880; -9882; -9883; 128000-1431; -2760; -2950; -4461; -4470; -4471; -45

V. 12, **L.** 12.05, **Th.** 5.90, **H.** 8.90,
No. of brushes Single, **Brush** 10
Assort. 803029

Pkg 5



140570 Brush

Replacing: 31215-ze2-0030; 028530-5060; -1

Servicing: 128000-2240; -1; -750; -3390; -3400; -3780; -9400; 31200-zh9-003

V. 12, **L.** 7.30, **Th.** 4.90, **H.** 8.75,
No. of brushes Single, **Brush** 5
Assort. 803029



140602 Brush Set

Replacing: 31211-ph9-004; jndsx-39; 028099-5450; 028531-5050; 028531-6660; jasx39

Servicing: 128000-2520; -610; -611; -621; -631; -800; -820; -980; -3090; -3091; -3250; -3251; -3260; -3261; -3

V. 12, **L.** 10.05, **Th.** 6.45, **H.** 7.90,
No. of brushes 4
Assort. 803029



140647 Brush Set

Replacing: 028099-3980; jasx53

Servicing: 028000-8460; -9181; -9182; -9202; -9203; -9210; -9220; -9221; -9230; -9240; -9890; -9940; 128000-00

V. 12, **L.** 18.05, **Th.** 7.43, **H.** 12.88,
No. of brushes 2
Assort. 803029



140740 Brush Set

Replacing: 028099-6180; 28142-70020; jasx52

Servicing: 128000-2682; -5210; -5211; -5680; -5681; -5682; -6210; -6211; -6212; -6340; -6341; -6420; -6422; -6

V. 12, **L.** 14.23, **Th.** 6.40, **H.** 12.90,
No. of brushes 4
Assort. 803029



140786 Brush Set

Replacing: 2114-13123/83121; 2114-63121/83121; 2114-63123; 2114-63123/83121; 2114-83121/73122; 2114-83121/93122

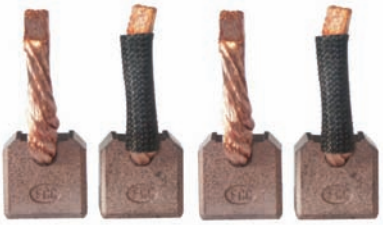
Servicing: 23300-01N01; -77A01; -G8401; S114-501; S114-501A; S114-505; S114-505A; S114-517; S114-517C; S114-51

V. 12, **L.** 16.00, **Th.** 6.80, **H.** 10.80,
No. of brushes 4



140885 Brush Set

V. 12, **L.** 15.80, **Th.** 6.84, **H.** 12.83,
No. of brushes 4



140932 Brush Set

Replacing: 028099-3950; jasx86-87

Servicing: 128000-2130; -9730

V. 12, **L.** 14.50, **Th.** 6.75, **H.** 15.65,
No. of brushes 4

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



140961 Brush Set

Replacing: 128099-6740
Servicing: 228000-3980; -5860; -5861; -5862
V. 12, **L.** 15.60, **Th.** 6.90, **H.** 24.85,
No. of brushes 4



140963 Brush Set

Replacing: 028530-1090; -100; 140954; jasx10-11
Servicing: 128000-0490; -2450; -2470; -2560; -2740; -3361; -4250; -4682; -4683; -4684; -4685; -4687; -4910; -5
V. 12/24, **L.** 21.00, **Th.** 9.85, **H.** 30.00,
No. of brushes 4



140976 Brush Set

Replacing: 028099-3550; 28142-54070
Servicing: 128000-0020; -6400; 228000-3920; -4570
V. 12, **L.** 15.20, **Th.** 7.90, **H.** 24.75,
No. of brushes 4



141223 Brush Set

V. 12, **L.** 20.95, **Th.** 7.95, **H.** 24.80,
No. of brushes 4
w/o plaque: Cargo 140361.



141240 Brush

Replacing: 028530-0990; 028530-5030; 028530-0991; 028530-5031
Servicing: 028000-8422; -9620; -9622; -9623; 128000-1550; -1; -5191; -5491; -7490; -7970
V. 12, **L.** 12.00, **Th.** 5.90, **H.** 8.90,
No. of brushes Single, **Brush** 1
Positive.



141258 Brush Set

Servicing: 428000-0670; -80; -700; -1640
V. 12, **L.** 13.80, **Th.** 4.50, **H.** 10.50,
No. of brushes 4



141267 Brush Set

Replacing: 141267; 237543
Servicing: 228000-9900; -1; -2; 428000-1080
V. 12, **L.** 9.30, **Th.** 4.30/7.00, **H.** 8.45,
No. of brushes 4



142040 Brush Set

Replacing: 237887; 142040
Servicing: 428000-0720; -1620
V. 12, **L.** 15.60, **Th.** 6.90, **H.** 19.75,
No. of brushes 4



JSX70-713 Brush Set

Replacing: 028531-6870; -80
V. 12, **L.** 20.05, **Th.** 7.85, **H.** 18.95,
No. of brushes 4



jsx72-734 Brush Set

Replacing: 028531-7331; -40
V. 12, **L.** 15.80, **Th.** 6.85, **H.** 19.80,
No. of brushes 4



jsx74-75-76-774 Brush Set

Replacing: 028531-6420; -390; -00; -10
V. 12, **L.** 15.26, **Th.** 4.46, **H.** 13.89,
No. of brushes 4

Bushings

Pkg 10



140325 Bearing Bushinging

Replacing: fbn-1; fbn-34; 949103-0540; 949103-1320; 949103-2020; 90099-10031; -58; fbn-10
Servicing: 028000-0970; -1975; -1976; -2001; -2151; -2241; -2260; -2261; -2262; -2263; -2970; -4980; -5430; -5
O.D. 16.50, **I.D.** 12.45, **L.** 13.90, **Material** Copper
Assort. 803001; 803042

Pkg 10



140326 Bearing Bushinging

Replacing: fbn-14; md604062; 028403-0081; -2; 28111-51011

Servicing: 028000-1973; -5; -6; -2001; -2260; -2261; -2262; -2263; -2360; -2361; -2362; -2363; -2364; -2660; -

O.D. 14.70, **I.D.** 12.50, **L.** 13.85, **Material** Copper

Assort. 803001; 803042

Pkg 10



140327 Bearing Bushinging

Replacing: fbn-16; 949103-0380; 28131-60010; 90099-10024; -7

Servicing: MED03-4

O.D. 18.30, **I.D.** 14.30, **L.** 20.60, **Type** Mounting, **Material** Copper

Assort. 803001

Pkg 10



140329 Bearing Bushinging

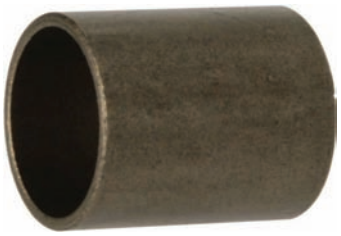
Replacing: fbn-25; 028403-0060; 28111-46010; -2

Servicing: 028000-2580; -5

O.D. 16.20, **I.D.** 14.00, **L.** 21.00, **Type** Standard, **Material** Copper

Assort. 803001

Pkg 10



140330 Bearing Bushinging

Replacing: fbn-28; 028403-0130; 28111-46011; 028403-0131; -9

Servicing: 028000-2580; -5; -880; -3300; -3530; -3570; -3810; -3811; -4850; -5160

O.D. 16.28, **I.D.** 14.15, **L.** 19.70, **Type** Standard, **Material** Copper

Assort. 803001

Pkg 10



140331 Bearing Bushinging

Replacing: fbn-31; 140331

O.D. 26.03, **I.D.** 23.15, **L.** 8.30, **Material** Copper

Assort. 803001

Pkg 10



140332 Bearing Bushinging

Replacing: fbn-32; 949103-1650; 90099-10060

Servicing: 028000-2580; -5; -880; -3530; -3570; -4850; -5160

O.D. 28.30, **I.D.** 24.02, **L.** 18.00, **Type** Standard, **Material** Copper

Assort. 803001

Pkg 10



140333 Bearing Bushinging

Replacing: fbn-33; 949103-3160; 90099-10134

Servicing: 028000-5330; -1; -2; -3; -4; -5; -6380; -6381; -6382; -6383; -6384; -6385; -6391; -6392; -6393; -63

O.D. 15.50, **I.D.** 12.45, **L.** 10.25, **Type** Standard, **Material** Copper

Assort. 803001; 803042

Pkg 10



140424 Bearing Bushinging

Replacing: fbn-35; 949103-3600; 90099-10149

Servicing: 028000-8460; -9181; -9182; -9202; -9203; -9210; -9220; -9221; -9230; -9240; -9890; -9940; 128000-00

O.D. 15.55, **I.D.** 10.10, **L.** 10.40, **Type** Standard, **Material** Steel

Assort. 803001

Pkg 10



140425 Bearing Bushinging

Replacing: fbn-36; 949103-3610; 90099-10150

Servicing: 028000-8460; -9181; -9182; -9202; -9203; -9210; -9220; -9221; -9230; -9240; -9890; -9940; 128000-00

O.D. 14.70, **I.D.** 11.00, **L.** 12.80, **Material** Copper

Assort. 803001; 803042

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



140426 Bearing Bushinging

Replacing: fbn-38; 949103-3840; 90099-10157

Servicing: 128000-2520; -610; -611; -621; -631; -800; -820; -980; -3090; -3091; -3250; -3251; -3260; -3261; -3

O.D. 14.76, **I.D.** 11.00, **L.** 7.88, **Type** Standard, **Material** Copper
Assort. 803001; 803042

Pkg 10



140427 Bearing Bushinging

Replacing: fbn-39; 949103-3850; 90099-10158

Servicing: 128000-2520; -610; -611; -621; -631; -682; -820; -980; -3250; -3251; -3260; -3261; -3530; -3531; -3

O.D. 14.75, **I.D.** 11.00, **L.** 11.00, **Type** Standard, **Material** Copper
Assort. 803001; 803042

Pkg 10

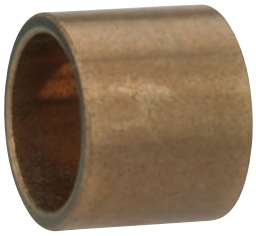


140554 Bearing Bushinging

Replacing: 140463; -554

O.D. 28.50, **I.D.** 22.75, **L.** 5.65, **Material** Copper
Assort. 803001

Pkg 10



140579 Bearing Bushinging

Replacing: np-1b; 140579

O.D. 15.50, **I.D.** 12.60, **L.** 12.80, **Type** Standard, **Material** Copper
Assort. 803001

Pkg 10



140582 Bearing Bushinging

Replacing: np-1; 140582

O.D. 14.40, **I.D.** 12.70, **L.** 12.80, **Material** Copper
Assort. 803001

Pkg 10



140583 Bearing Bushinging

Replacing: np-2; 140583

O.D. 14.00, **I.D.** 12.55, **L.** 10.40, **Material** Copper
Assort. 803001

Pkg 10



140697 Bearing Bushinging

O.D. 29.30, **I.D.** 23.90, **L.** 5.95, **Type** Standard, **Material** Copper
Assort. 803001

Pkg 10



140774 Bearing Bushinging

Servicing: 028403-0070

O.D. 29.30, **I.D.** 23.85, **L.** 5.90, **Material** Copper

Pkg 5



140777 Bearing Bushinging

Replacing: 949102-0070

Servicing: 028000-5960; -1

O.D. 19.00, **I.D.** 17.00, **L.** 19.70, **Type** Standard, **Material** Copper

Pkg 5



140778 Bearing Bushinging

Replacing: 949103-2420

Servicing: 028000-3290; -5960; -5961; 128000-3280

O.D. 35.00, **I.D.** 30.10, **L.** 22.95, **Material** Copper

Pkg 10



140787 Bushinging

Replacing: 90099-10180; 140787
Servicing: f7pu11000da; f7pz11002ba; -da; F87U11000A1A
O.D. 10.00, **I.D.** 6.10, **L.** 7.45, **Material** Copper
Assort. 803001

Pkg 10



140788 Bushinging

Replacing: 949104-0990; 90099-10183
Servicing: 128000-2682; -5210; -5211; -5680; -5681; -5682; -6212; -6340; -6341; -6420; -6422; -6720; -6721; -7
Collar O.D. 12.95, **O.D.** 9.50, **I.D.** 7.10, **L.** 11.15, **Material** Copper
Assort. 803001

Pkg 10



140792 Bearing Bushinging

Replacing: 949103-4330; 90099-10182
Servicing: 128000-2682; -5210; -5211; -5680; -5681; -5682; -6212; -6340; -6341; -6420; -6422; -6720; -6721; -7
O.D. 18.50, **I.D.** 15.00, **L.** 11.20, **Material** Copper

Pkg 10



140847 Bearing Bushinging

O.D. 28.60, **I.D.** 23.00, **L.** 4.00, **Material** Copper

Pkg 10



140937 Bearing Bushinging

O.D. 13.62, **I.D.** 10.97, **L.** 19.90, **Material** Copper

Pkg 10



140965 Bushinging

Replacing: 949103-4320
Servicing: 128000-5210; -1; -680; -681; -682; -6212; -6340; -6341; -6420; -6422; -6720; -6721; -7400; -7620; -
O.D. 9.60, **I.D.** 7.12, **L.** 8.10, **Material** Copper

Pkg 10



141011 Bearing Bushinging

Replacing: 949103-4340; 90099-10181
Servicing: 128000-5210; -1; -680; -681; -682; -6340; -6341; -6420; -6422; -6720; -6721; -7620; -8530; -8531; -
O.D. 14.70, **I.D.** 11.15, **L.** 9.80, **Type** Mounting, **Material** Copper

Pkg 10



141073 Bushinging

O.D. 28.55, **I.D.** 23.25, **L.** 5.00, **Material** Copper

Pkg 10



141079 Bushinging

O.D. 10.05, **I.D.** 6.15, **L.** 7.20, **Material** Copper

Pkg 10



141080 Bushinging

O.D. 28.70, **I.D.** 22.70, **L.** 3.90, **Material** Copper

Pkg 10



141105 Bearing Bushinging

O.D. 9.55, **I.D.** 7.10, **L.** 9.70, **Material** Copper

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



141136 Bushinging

Servicing: 028000-2240; -930; -3500; -3800; -4040; -4600; -4630; -4650; s114-161b; -e; -f; -82g; s114-315; -6;

O.D. 14.00, **I.D.** 12.55, **L.** 19.15, **Material** Copper

---

Pkg 10



141153 Bushinging

Servicing: 028000-2380; -5090; -7170

O.D. 13.20, **I.D.** 11.10, **L.** 12.65, **Material** Copper

---

Pkg 10



141154 Bushinging

Servicing: 128000-1050; -770

O.D. 28.65, **I.D.** 22.85, **L.** 5.80, **Material** Copper

Pkg 10



141155 Bushinging

O.D. 28.50, **I.D.** 23.05, **L.** 3.95, **Material** Copper

Pkg 10



141205 Bushinging

Servicing: 228000-3980; -1; -4960; -4961

O.D. 28.64, **I.D.** 23.09, **L.** 3.76, **Material** Copper

Pkg 10



141235 Bushinging

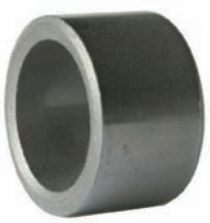
Replacing: 28111-47010; 028403-0070; fbn-27; 028403-0073

Servicing: 028000-3290; -930; -4130; -4131; -4150; -5250; -5960; -5961; -7430; -7431; 128000-3280; -4340; -533

O.D. 19.15, **I.D.** 16.45, **L.** 19.80, **Material** Copper

---

Pkg 10



141237 Bushinging

Replacing: 949103-0390; 90099-01146

Servicing: 028000-1370; -850; -975; -976; -2000; -2150; -2240; -2241; -2260; -2261; -2262; -2263; -2360; -2361

O.D. 16.55, **I.D.** 12.40, **L.** 10.40, **Material** Steel



141238 Bushinging

Replacing: 949103-1660; 28125-41020

Servicing: 028000-2260; -1; -2; -3; -360; -361; -362; -363; -364; -660; -661; -662; -664; -665; -680; -681; -6

O.D. 26.07, **I.D.** 23.04, **L.** 8.45, **Material** Copper

Pkg 10



141249 Bushinging

Replacing: 237383; 141249

Servicing: 128000-0350; -1; -1890

Pkg 10



142011 Bushinging

Servicing: 428000-0150; -2; -670; -680; -700; -720; -3090

O.D. 21.00, **I.D.** 18.00, **L.** 8.90

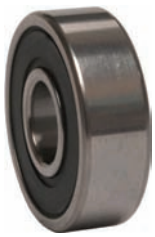
142015 Bushinging

Servicing: 428000-0150; -1; -2; -3090

O.D. 7.97, **I.D.** 5.02, **L.** 7.15

Bearings

Pkg 10



140222 Bearing 608/2rs

Replacing: 9440924; 6082rsc3; 2114-15502; -11; 2114-45511; 2114-55002; 2130-3509; s930p12070; s930p14201; s930p

Servicing: 028000-3641; -2; -4323; -4343; -4450; -4540; -4940; -4990; -5060; -5120; -5190; -5390; -5780; -5800

O.D. 22.00, **I.D.** 8.00, **H.** 7.00

Assort. 802026; 803013; 803022; 803042

Pkg 10



140223 Bearing 6004/2rs

Replacing: 60042rsrc3; 2114-45502; 2114-55502; -11; 2240-2101; 949100-1650; -760; 949100-2590; 949100-4110; -23

Servicing: 0-33000-3941; -50; -4150; -4331; 028000-3641; -2; -4323; -4343; -4450; -4540; -4940; -5060; -5190;

O.D. 42.00, **I.D.** 20.00, **H.** 12.00

Assort. 802026; 803013; 803022; 803042

Pkg 10



140271 Bearing 6000/2rs

Replacing: 1989646; 60002rsrc3; 6000j; umb120; s930p14101; 949100-2760; 60002rs1; 6000c2hrs

Servicing: 00219091; -9; 028000-6260; -7700; -8620; -8980; -9270; -9320; -9321; -9380; -9510; -9800; -9860; 10

O.D. 26.00, **I.D.** 10.00, **H.** 8.00

Pkg 10



140630 Bearing

Replacing: 949100-3270

Servicing: 100211-1600

O.D. 36.00, **I.D.** 15.00, **H.** 18.00

Assort. 803013

Pkg 10



140960 Bearing 638rd-1

Replacing: 949100-4840

Servicing: 228000-2120; -680; -690; -700; -980; -990; -3260; -3840; -3850; -3851; -3920; -3980; -4050; -4291;

O.D. 28.00, **I.D.** 8.00, **H.** 9.00

Needle Bearings

Pkg 10



140767 Needle Bearing

Replacing: 949105-0100; -60; -200

Servicing: 128000-0660; -2682; -2800; -4130; -4170; -4430; -4450; -4520; -4530; -4531; -4532; -5010; -5150; -5

O.D. 15.50, **I.D.** 11.00, **H.** 14.30

Closed end.

Assort. 802035

Pkg 5



140768 Needle Bearing

Replacing: 949105-0110

Servicing: 028000-6490; -1; -2; -3; -4; -5; -7091; -7092; -7093; 128000-1620; -1; -83; -2421; -2430; -2431; -2

O.D. 17.00, **I.D.** 12.50, **L.** 17.00,

No. of rollers 16

Assort. 802035

Pkg 5



141086 Needle Bearing

Replacing: 949105-0130

Servicing: 128000-5330; -1; -970; -7170; -7172; -7174; -7230; -9690; -9800; 228000-2370; -4600; -4690; 428000-

O.D. 24.00, **I.D.** 17.00, **H.** 20.00

Closed end.

Pkg 10

142065 Needle Bearing

Servicing: 428000-1630; -3180; -4920

O.D. 16.00, **I.D.** 12.08, **L.** 13.90

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Repair Kits



132635 Repair Kit

Replacing: 028099-6790
Servicing: 028000-3290; -650; -930; -970; -4930; -5040; -5960; -6920; -7430; 128000-0260; -770; -2000; -3280;

12 V.

Sundry Parts

Pkg 5



131837 Terminal Cap

Replacing: 028062-6180; 949340-0660
Servicing: 028000-4343; -5120; -5780; -5800; -6000; -6030; -6040; -6140; -6190; -6260; -6361; -6362; -6550; -6

Assort. 803030

Pkg 5



131838 Terminal Cap

Replacing: 949340-0531; -820
Servicing: 028000-3641; -2; -5821; -5822; -5900; -5910; -5991; -5992; -6120; -6300; -6350; -6450; -6620; -6701

Assort. 803030

Pkg 5



132063 Insulator

Servicing: 028000-4343; -5821; -5822; -7550
O.D. 65.15, **I.D.** 49.15, **H.** 23.00, **Insulator** 5

Pkg 10



132885 Roller

Replacing: 028306-0070
Servicing: 028000-6780; 128000-2560; -3120; -5370; -8290; 228000-0630; -842; -1350; -1830; -2290; -3310; -3810

Used w/ plastic cage: Cargo 135474.
Assort. 803030

Pkg 100



132886 Clutch Spring

Servicing: 028000-4800; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5551; -5
O.D. 7.00, **L.** 12.00
Also used in plastic case on 2.50 kW.
Assort. 803030

Pkg 10



132888 Rubber Rrain

Replacing: 028062-0200; -360; -480; 028062-5770
Servicing: 028000-2360; -1; -2; -3; -4; -3300; -3360; -3361; -3500; -3501; -3611; -4800; -5300; -5301; -5330;
O.D. 9.25, **I.D.** 7.35, **L.** 27.60
Assort. 803030

Pkg 10



132889 Terminal Boot

Replacing: 480841-0010
Servicing: 028000-5620; -6870; -6871; -6872; -6892; -6893; -6900; -6901; -6902; -6910; -6911; -6912; -7240; -7
H. 24.20
Assort. 803030

Pkg 10



132894 Steel Ball

Replacing: 128961-0010; 949120-0240
Servicing: 028000-3641; -2; -4323; -4343; -4450; -4540; -4800; -4940; -5060; -5120; -5300; -5301; -5510; -5511
O.D. 8.70, **Material** Steel
Assort. 803030

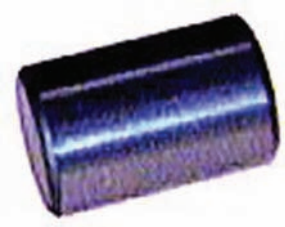
Pkg 5



132895 Plastic Cage

Replacing: 028063-0040; -11; 135980
Servicing: 128000-2130; -5750; -7002; -7122; -7390; -7560; -7713; -7714; -8210; -8220; -8310; -8311; -8312; -8
O.D. 21.00
Used w/ roller: Cargo 132896.
Assort. 803030

Pkg 10



132896 Roller

Replacing: 028306-0061
Servicing: 028000-3641; -2; -4323; -4343; -4450; -4540; -4940; -5060; -5120; -5780; -5800; -5821; -5822; -5900

Used w/ plastic cage: Cargo 132895.
Assort. 803030



133708 Insulator

Replacing: 31233-ze2-0030; 028523-5050
Servicing: 128000-2240; -1; -750; -3390; -3400; -3780; -9400; 31200-zh9-003
Insulator 1
Assort. 803031



133716 Pinion Stopper

Replacing: 31202-za1-003; 028021-0291; 12234-63461; 31312-88c00
Servicing: 028000-8411; -22; -9133; -9620; -9622; -9623; -9872; -9880; -9882; -9883; 128000-1431; -550; -551;

Assort. 803030

Pkg 5



133718 Snap Ring

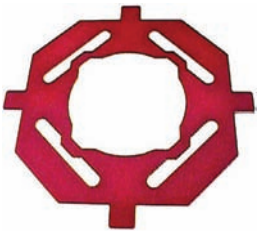
Replacing: 31201-za1-003; 949072-1220; -2
Servicing: 028000-8411; -22; -9133; -9620; -9622; -9623; -9822; -9872; -9880; -9882; -9883; 128000-1431; -550;
O.D. 9.40, **Th.** 2.00
Part of Stop collar: Cargo 133716.

Pkg 5



133719 Spring

Replacing: 31212-za1-003; 949170-6100
Servicing: 028000-8411; -9133; -9872; -9880; -9882; -9883; 128000-1431; -4461; -4470; -4471; -4590; -4860; -52
O.D. 14.00, **L.** 26.85



133811 Brush Gear Plate

Replacing: 31233-ph9-004; md604646; 028523-5030
Servicing: 128000-2520; -610; -611; -621; -631; -800; -820; -980; -3250; -3251; -3260; -3261; -3530; -3531; -3
O.D. 65.20

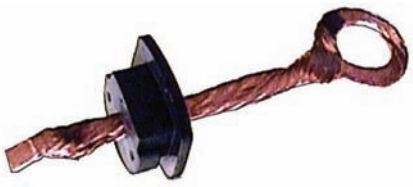
Pkg 5



133877 Connector

Servicing: 128000-2670; -3740; -3741; -8650
L. 66.15, **Mount. hole 1** 8.90

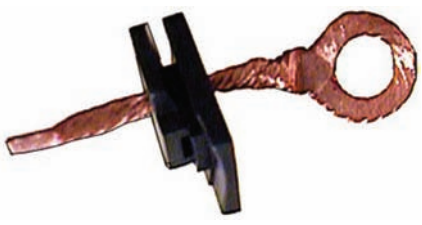
Pkg 5



133878 Connector

L. 70.25, **Mount. hole 1** 10.50

Pkg 5

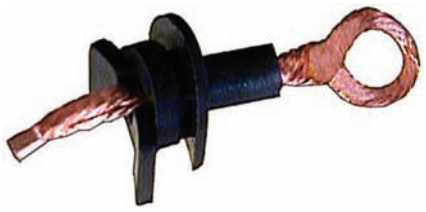


133879 Connector

L. 62.15, **Mount. hole 1** 9.15

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

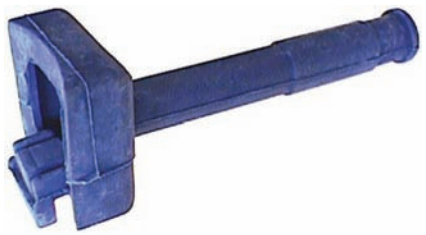
Pkg 5



133880 Connector

L. 66.40, **Mount. hole 1** 8.75

Pkg 5



134328 Grommet

L. 79.00 mm
Assort. 803040

Pkg 5



134329 Rubber Boot

Servicing: 128000-1050; -770

L. 67.00 mm
Assort. 803040

Pkg 10



134788 Terminal Boot

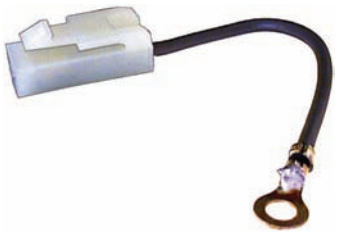
O.D. 27.70, **H.** 15.65
Assort. 803030

Pkg 5



134867 Field Coil Insulator

Assort. 803031



134992 Coupler

Assort. 803031

Pkg 5



135127 Lock Washer

Replacing: 31215-657-006; 028017-0050; -70; 14278-63181; 28136-15010; 28136-87502

Servicing: 028000-1975; -6; -2970; -3360; -3361; -3500; -3501; -3700; -4440; -4480; -4491; -4500; -4520; -4601

O.D. 20.00, **Th.** 1.50, **Material** Steel
Assort. 803031

Pkg 5



135128 Lock Washer

Replacing: 028017-0110

Servicing: 028000-9181; -2; -202; -203; -210; -220; -221; -230; -240; -890; 128000-0031; -2; -90; -91; -370; -

O.D. 19.95, **Th.** 1.50, **Material** Steel
Assort. 803031

Pkg 5



135217 Retainer Ring

Servicing: 428000-0320

O.D. 11.50, **Th.** 1.60
Used w/ retaining ring: Cargo 233553.

Pkg 5



135474 Plastic Cage

Replacing: 028063-0030; 28229-56080

Servicing: 028000-4800; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5551; -5

O.D. 28.70
Used w/ roller: Cargo 132885.

Pkg 10

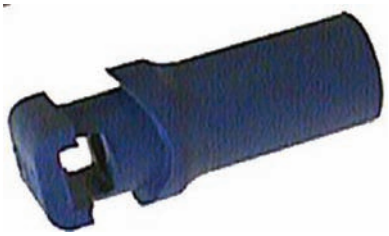


135475 Lock

Replacing: 028017-0060; 28118-77090

Servicing: 028000-4800; -5300; -5301; -5510; -5511; -5530; -5531; -5532; -5541; -5542; -5543; -5550; -5551; -5

Pkg 10



135746 Rubber Rrain

Replacing: 028062-0530

Servicing: 028000-6300; 128000-0980; -1; -3001; -5261; -5560; -6300; -7760; 228000-0960; -2851

O.D. 8.95, **I.D.** 6.80, **L.** 28.95

Pkg 5



135844 Brake Washer

Replacing: 028029-0051

Servicing: 028000-2260; -1; -2; -3; -360; -361; -362; -363; -364; -660; -661; -662; -664; -665; -680; -681; -6

O.D. 40.00, **I.D.** 30.60, **Th.** 8.25, **Material** Plastic

Pkg 5



136084 Cover

Replacing: 028062-0091

Servicing: 028000-4540; -6930; -7320; -7321; -7391; -7392; -9120; -9121; -9580; 128000-0120; -280; -810; -910;

Pkg 10



136087 Snap Ring

Replacing: 949072-1320; -60; 27274-87501; 28274-87501; 90099-07124; 90099-87501; 949072-1580

Servicing: 028000-5334; -5; -6381; -6382; -6383; -6384; -6391; -6392; -6393; -6394; -6395; -6396; -6520; -6600

O.D. 9.50, **Th.** 1.60

Used w/ retaining ring: Cargo 136089.



136088 Stop Collar

Replacing: 30202-ph9-004; 8-94455181-0; 028021-5010; 028099-7880; 28163-10020; 28163-87501

Servicing: 128000-2520; -611; -621; -631; -800; -820; -980; -3250; -3251; -3260; -3261; -3530; -3531; -3651; -

O.D. 16.90, **I.D.** 11.00, **Th.** 5.10

Pkg 5



136089 Stop Collar

Replacing: 028021-0331; 28163-70020; 28163-87701

Servicing: 028000-8460; -9181; -9182; -9202; -9203; -9210; -9220; -9221; -9230; -9240; -9890; 128000-0031; -2;

O.D. 15.90, **I.D.** 11.00, **Th.** 4.50, **Material** Steel

Used w/ retaining ring: Cargo 136087.

Pkg 5



136175 Stop Collar

Replacing: 028021-0063; -310; 28163-87702

Servicing: 028000-1975; -6; -2260; -2261; -2262; -2263; -2360; -2361; -2362; -2363; -2364; -2660; -2661; -2662

O.D. 16.65, **I.D.** 12.50, **Th.** 6.00, **Material** Steel

Used w/ retaining ring: Cargo 138026.

Pkg 5



136299 Connector

L. 60.00

Pkg 10



136317 Terminal Boot

O.D. 26.80, **H.** 14.35

Pkg 10



136604 Terminal Flag

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



137365 Washer

O.D. 15.00, **I.D.** 11.30, **Th.** 2.90, **Material** Steel

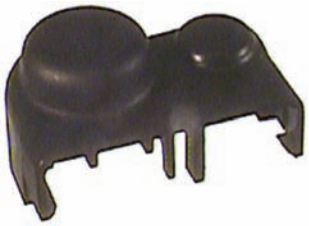


137588 Terminal Block

Replacing: 053480-7100

Servicing: 128000-1560; -2682; -3500; -4960; -5270; -5280; -5670; -6320

Cover: Cargo 137589.



137589 Terminal Cover

Servicing: 128000-5670; -6320; -7810; 228000-1800

O.D. 40.00, **H.** 11.50

Cover for: Cargo 137588.

Pkg 5



137590 Grommet

L. 97.50 mm

Assort. 803040

Pkg 5



137591 Grommet

L. 79.00 mm

Assort. 803040

Pkg 5



137592 Terminal Boot

Replacing: 31235-pe0-6620; 028062-0640; 028062-5050

Servicing: 128000-0280; -810; -910; -2140; -2600; -4750; -5080; -6930; -6940; 228000-0210; -1; -960

O.D. 26.80, **I.D.** 9.10, **L.** 46.30

Pkg 5



137594 Grommet

L. 84.00 mm

Assort. 803040

Pkg 5



137865 Retainer

Replacing: 028327-0140

Servicing: 028000-6280; 128000-1151; -2070; -3111; -3410; -3470; -3471; -3472; -3480; -3481; -3482; -5941; -59

Th. 1.55

Pkg 10



137976 Rubber Rrain

Replacing: 028065-0010; 281997-4070; 23376-aa000; 028065-0100

Servicing: 128000-7002; -122; -390; 228000-1130; -1; -2; -981; -2180; -3390; -3850; -3851; -4291; -4390; -4570

O.D. 12.60, **L.** 28.15

Pkg 5



138026 Retaining Ring

Replacing: 9-82115288-0; 949072-0400; 28274-87502; 90099-07047; 136172

Servicing: 028000-1975; -6; -2260; -2261; -2262; -2263; -2360; -2361; -2362; -2363; -2364; -2660; -2661; -2662

O.D. 11.00, **Th.** 1.60

Used w/ retaining ring: Cargo 138027.

Pkg 5



138027 Stop Collar

O.D. 20.00, **I.D.** 11.20, **Th.** 5.50, **Material** Steel
Used w/ retaining ring: Cargo 138026.

Pkg 5



138141 Rubber Seal

Pkg 10



138682 Nut

Servicing: 028000-4450; -990; -5060; -5190; -5390; -5780; -5800; -6140; -6190; -6250; -6550; -6570; -6711; -93
O.D. 10.00, **Thread** M6

Pkg 5



139827 Rubber Rrain

O.D. 12.00, **L.** 28.00

Pkg 5



231213 Gasket

Replacing: 28138-87501-000; 14278-63521; 028901-0080; -290; 28138-15010
Servicing: 028000-1975; -6; -2970; -3360; -3361; -3500; -3501; -3700; -4440; -4480; -4491; -4500; -4520; -4601
Th. 1.45, **Material** Rubber
Gasket for C.E. Cover: Cargo 136713.

Pkg 10



231625 Screw Set

Replacing: 028903-0010; 949006-5670
Servicing: 028000-7700; -8980; -9320; -9321; -9380; -9510; -9860; 128000-0050; -71; -130; -140; -170; -181; -2
Thread L. 7.80, **L.** 14.00, **Thread** M4

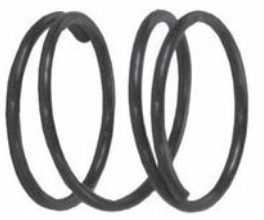
Pkg 10



231731 Drain

Replacing: 028062-0272; 028062-6010; 028062-7081
Servicing: 028000-6721; -7210; -7290; -7440; -7470; -7780; -7781; -7870; -8010; -8041; -8160; -8690; -8700; -9
O.D. 8.05, **L.** 8.45

Pkg 5



232214 Spring

Replacing: 028025-0050; -230
Servicing: 028000-5270; -334; -335; -350; -371; -420; -720; -751; -6380; -6381; -6382; -6383; -6384; -6385; -6
O.D. 22.30, **L.** 19.60

Pkg 5



232594 Rubber Rrain

Replacing: 028062-0500; 028062-5790; 028065-0250; -90; -300
Servicing: 028000-5300; -1; -510; -511; -530; -531; -532; -541; -542; -543; -550; -551; -552; -553; -560; -561
O.D. 9.40, **L.** 28.95

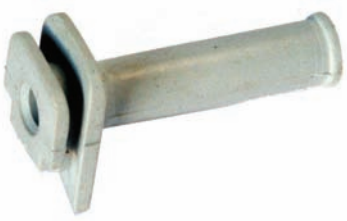
Pkg 5



232595 Grommet

O.D. 13.40, **I.D.** 11.20, **L.** 54.55

Pkg 5



232596 Grommet

L. 46.50 mm

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



233067 Gasket

L. 68.45, **Th.** 0.75, **W.** 64.75

Pkg 5



233082 Boot

Pkg 5



233083 Boot

Replacing: 31235-pe1-6720; 31235-pr4-a010m; 028062-0660; 028062-5640

Servicing: 028000-4650; -7740; 128000-0300; -2190; -5110; -7080; -7470; -7471; -7710; -7713; -7714; -7770; -97

Pkg 5



233085 Insulator

Insulator 5

Used w/ Cargo 137589.

Pkg 5



233086 Insulator

Servicing: 228000-8430; -1; -2

Insulator 5

Used w/ Cargo 137589.

Pkg 5



233090 Terminal

Replacing: 028008-5120

Servicing: 128000-3500; -7500; -8030

L. 58.30, **Thread** M8

Pkg 5



233091 Terminal

Replacing: 028008-5100

Servicing: 128000-3500; -7500

L. 58.65, **Thread** M4

Pkg 5



233092 Terminal

L. 50.25, **Thread** M4

Pkg 5



233093 Terminal

L. 58.30, **Thread** M8

Pkg 5



233094 Terminal

Servicing: 228000-3010; -20; -30; -6110

L. 62.55, **Thread** M8

Pkg 5



233095 Terminal

L. 60.15, **Thread** M5



233096 Terminal Block

Cover: Cargo 137589.

Pkg 5



233553 Stop Collar

Replacing: 028021-0230

Servicing: 028000-6280; 128000-1151; -2070; -3111; -3410; -3471; -3472; -3481; -3482; -5941; -5942; -5951; -59

O.D. 17.45, **I.D.** 13.56, **Th.** 4.45, **Material** Steel

Used w/ retaining ring: Cargo 135217.



234973 Stop Collar Kit

O.D. 16.20, **I.D.** 12.90, **Th.** 1.90

Pkg 10



234977 Plastic Cage

O.D. 20.65, **I.D.** 10.90, **H.** 13.00

Pkg 10



235256 Insulator

Replacing: 021605-0490

Servicing: 021000-6271; -7090; -7160; -7630; -7640; -8500; -8731; -8770; -8780; -8790; -8800; -8810; -8820; -8

Collar O.D. 8.15, **O.D.** 13.76, **I.D.** 5.14, **L.** 12.46, **Insulator** 10, **Type** Standard, **Material** Shock thermo plastic

Pkg 10



235420 Gasket

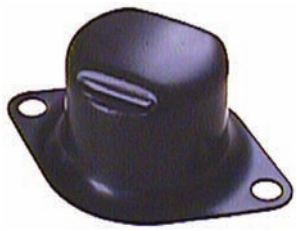
Replacing: res14808; 235420

Servicing: 228000-9540

O.D. 58.17, **I.D.** 46.43, **H.** 3.00

C.E. Covers

Pkg 10



136713 C.E. Cover

Replacing: 31232-pa0-006; 8-94239115-0; 028506-0170; 23132-15010; 49240-7002; 14278-63511; 28132-15010; 28132-8

Servicing: 028000-5334; -5; -6380; -6381; -6382; -6383; -6384; -6385; -6391; -6392; -6393; -6394; -6395; -6396

O.D. 24.35, **H.** 19.90

Gasket: Cargo 231213.

Oil Seals

Pkg 5



135851 Oil Seal

Replacing: 4n7527; 949150-1050

Servicing: 028000-3290; -1; -2; -650; -810; -811; -930; -970; -971; -4930; -5040; -5251; -5460; -5920; -5960;

O.D. 42.10, **I.D.** 30.00, **H.** 8.00

Assort. 803039

Pkg 10



138914 Oil Seal

O.D. 21.55, **I.D.** 16.70, **H.** 3.00

O - rings

Pkg 5



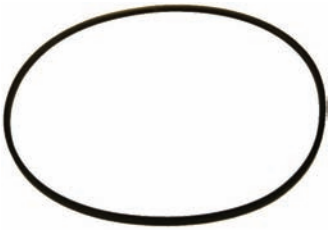
136681 O-Ring

Replacing: 273111014174; 028300-1971

Servicing: 028000-5660; -1; -7732; 128000-6860; -1; -9970; -9971; 228000-2290; -3810; 428000-1190; -860; 44311

I.D. 38.00, **Th.** 2.50

Pkg 5



230147 O-Ring

Replacing: 949140-4620

Servicing: 128000-0830; -1; -2; -3; -5350; -5760; -9560; 228000-0200; -390; -391; -460; -880; -1690; -1780; -1

I.D. 80.00, **Th.** 1.50

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



232434 O-Ring

Servicing: 28MT.

O.D. 8.30, **I.D.** 5.00, **Th.** 1.80

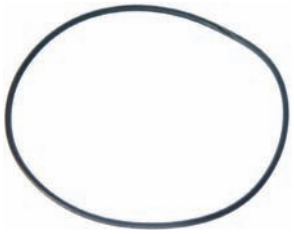
Pkg 5



232435 O-Ring

O.D. 13.70, **I.D.** 9.95, **Th.** 1.80

Pkg 10



233084 O-Ring

Replacing: 028901-0361

Servicing: 128000-2450; -70; -740; -3361; -4250; -4682; -4683; -4684; -4685; -4687; -5370; -5730; -5731; -5732

I.D. 95.00, **Th.** 2.50

Thru Bolts

Pkg 100



191530 Thru Bolt

Replacing: 136358; 191530

L. 75.00, **Thread L.** 25.00, **Thread** M6

Assort. 803031; 804029

Pkg 100



191531 Thru Bolt

Replacing: m901x01571; 949006-5080

Servicing: 028000-4800; -5660; -5661; -5860; -5862; -5863; -5890; -5891; -6010; -6013; -6021; -6022; -6590; -6

L. 85.00, **Thread L.** 25.00, **Thread** M6

Assort. 803031; 804029

Pkg 100



191585 Thru Bolt

Replacing: 1003410115; 1003450013; 1004450013; 1123429203; m981d73205; 949042-1840; 135936; -83; 1003450010; -4

Servicing: 0001107032; -4; -45; -56; -62; -63; -66; -67; -76; -78; -83; -87; -89; -91; -97; -101; -102; -108;

L. 135.00, **Thread L.** 60.00, **Thread** M5

Pkg 10



230721 Thru Bolt

Replacing: 15611-93311; 949006-3840; 949006-4930; 90099-00138; -58

Servicing: 028000-5300; -1; -510; -511; -530; -531; -532; -541; -542; -543; -550; -551; -552; -553; -560; -561

Collar L. 68.75, **L.** 74.10, **Thread** M6

Assort. 803031; 804029

Pkg 2



231312 Thru Bolt

Replacing: 949047-1500; 949047-3480

Servicing: 028000-4540; -5900; -5911; -5912; -6001; -6361; -6362; -6620; -6701; -6930; -7190; -7191; -7320; -7

Collar L. 139.00, **L.** 142.65, **Thread** M6

Pkg 2



231374 Thru Bolt

Replacing: 949042-2360; 949042-3170; 949042-2920

Servicing: 028000-5334; -5; -6380; -6381; -6382; -6383; -6384; -6385; -6391; -6392; -6393; -6394; -6395; -6396

Collar L. 133.20, **L.** 138.80, **Thread** M6

Pkg 10



231627 Thru Bolt

Replacing: 949042-2270; 949042-3741; 2123410003; res14638

Servicing: 0120689519; -29; -36; -37; -44; -47; -54; -56; -60; -89; -90; 028000-4800; -5300; -5301; -5510; -55

Collar L. 180.20, **L.** 186.10, **Thread** M6

Pkg 10



231628 Thru Bolt

Replacing: 949042-3260; -520

Servicing: 128000-5210; -1; -680; -681; -682; -6340; -6341; -6420; -6422; -6720; -6721; -7620; -7713; -7714; -

Collar L. 115.00, **L.** 119.80, **Thread** M5

Pkg 10



231630 Thru Bolt

Replacing: 949042-2570

Servicing: 028000-7700; -8980; -9320; -9321; -9380; -9510; -9860; 128000-0130; -40; -81; -200; -201; -230; -30

Collar L. 150.45, **L.** 154.00, **Thread** M6

Pkg 10



234145 Thru Bolt

Replacing: 949042-2860

Servicing: 028000-7000; -1; -2; -3; -370; -372; -373; -740; -791; -792; -8371; -8760; -8761; -8762; -9031; -90

Collar L. 80.65, **L.** 86.40, **Thread** M6

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Armatures



130144 Armature

Replacing: 22092
Servicing: 532007a; 6176B; -C; -e; -g; -226a
V. 12, **kW.** 0.9/1.0/1.2, **Core OD** 57.00, **Shaft L.** 248.00, **Splines** 9, **Rotation** CR



130147 Armature

Replacing: 23276
Servicing: 6185a; -b; -c; -202a; -202b; -219a; -219b; -219c; -241A
V. 12, **kW.** 0.8, **Core OD** 57.00, **Shaft L.** 232.00, **Splines** 9, **Rotation** ACR
Commutator: Cargo b134583.



130168 Armature

Replacing: 612231; 618331
Servicing: 6217B; -C; -D; -E
V. 12, **kW.** 0.7, **Core OD** 57.00, **Shaft L.** 245.00, **Splines** 9, **Rotation** ACR
Commutator: Cargo b134583.



130176 Armature

Replacing: 618206; 19256
Servicing: 532005a; 6035F; -81E; -81F; 618071E; -F; -3E; -3F; -358A; -358B; 6189d; -e; 6189ef; 6189f; -212b; -
V. 12, **kW.** 1.0, **Core OD** 57.00, **Shaft L.** 252.00, **Splines** 9, **Rotation** CR
Commutator: Cargo b134583.



130552 Armature

Replacing: 2525283; 1946391; 1948999; 1967045; 665389
Servicing: 35MT. 1113389; -92; -402; -411; -412; -548; -626; -633; -634; -635; -636; -637; -639; -640; -641; -6
V. 12, **Core OD** 85.00, **Shaft L.** 394.00, **Splines** 3, **Rotation** CR
Short shaft.



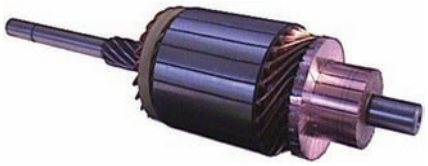
130949 Armature

Replacing: 618687; ne296
Servicing: 534002A; -3A; -3B; -3C; -4A; -4B; -5A; -5B; -5C; 6246A; -C
V. 12, **kW.** 0.8/1.0, **Core OD** 60.00, **Shaft L.** 210.00, **Splines** 9, **Rotation** CR
Commutator: Cargo b134587.



131094 Armature

Replacing: 612117; ne288
Servicing: 532002A; -B; -C; -3A; -3B; -4A; -4B; -4C; -9A; -9B; -10A; -10B; -18A; 6231C
V. 12, **kW.** 0.8, **Core OD** 56.50, **Shaft L.** 244.50, **Splines** 11, **Rotation** CR
KW = 0.8/0.95/1.0



132160 Armature

Replacing: 583156; ne278
Servicing: 538006a
V. 12, **kW.** 2.5, **Core OD** 73.50, **Shaft L.** 305.50, **Splines** 11, **Rotation** CR
Commutator: Cargo b134598.



132171 Armature

Replacing: 605999; 618242
Servicing: 6232A; -3A
V. 12, **kW.** 2.0, **Core OD** 73.45, **Shaft L.** 318.00, **Splines** 6, **Rotation** CR



133216 Armature

Replacing: 182485; 583009
Servicing: 532008a; -b; -c
V. 12, **kW.** 1.0, **Core OD** 56.70, **Shaft L.** 245.30, **Splines** 11, **Rotation** CR
Commutator: Cargo b134598.



133218 Armature

Replacing: 583026; ne274
Servicing: 532011A
V. 12, **kW.** 1.0, **Core OD** 56.60, **Shaft L.** 252.20, **Splines** 9, **Rotation** ACR
Commutator: Cargo b134583.



133219 Armature

Replacing: 618208; 22741
Servicing: 6178A; -B
V. 12, **kW.** 1.5, **Core OD** 64.05, **Shaft L.** 266.00, **Splines** 6, **Rotation** ACR



133220 Armature

Replacing: 618493; ne294
Servicing: 6223A; -44A; -45A
V. 12, **kW.** 1.0, **Core OD** 56.70, **Shaft L.** 248.40, **Splines** 11, **Rotation** CR
Commutator: Cargo b134583.



133221 Armature

Replacing: 618686; ne295
Servicing: 532012A; -B; -21A; -23A; 6202c; -d; -e; -f
V. 12, **kW.** 0.75, **Core OD** 56.60, **Shaft L.** 219.50, **Splines** 9, **Rotation** ACR
Commutator: Cargo b134586.



133226 Armature

Replacing: 605201
Servicing: 533003A; -4A; 6190A; -B; -237A; -237C; -237D; -238A; -238B; -238C; -238D
V. 12, **kW.** 1.0, **Core OD** 56.60, **Shaft L.** 252.00, **Splines** 9, **Rotation** CR



133227 Armature

Replacing: 583285
Servicing: 534039A
V. 12, **kW.** 1.0, **Core OD** 61.90, **Shaft L.** 181.00, **Splines** 9, **Rotation** CR
Commutator: Cargo b134587.



133228 Armature

Replacing: 583249
Servicing: 534023A; -9A; -31A; -32A; -42A; -42B; -43A; -44A; -47A; -57A
V. 12, **kW.** 0.8/1.0/1.2, **Core OD** 60.20, **Shaft L.** 189.00, **Splines** 9, **Rotation** CR
Commutator: Cargo b134585.



133229 Armature

Replacing: 583236
Servicing: 534027A; -8A; -35A; -36A
V. 12, **kW.** 1.05, **Core OD** 60.40, **Shaft L.** 221.30, **Splines** 9, **Rotation** CR
Commutator: Cargo b134585.



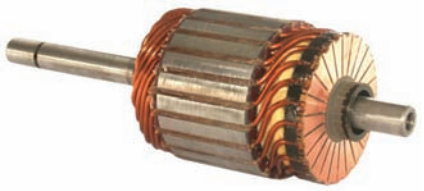
133234 Armature

Replacing: 583075
Servicing: 532014A; -4014A
V. 12, **kW.** 0.85, **Core OD** 56.60, **Shaft L.** 252.00, **Splines** 11, **Rotation** CR
Commutator: Cargo b134583.



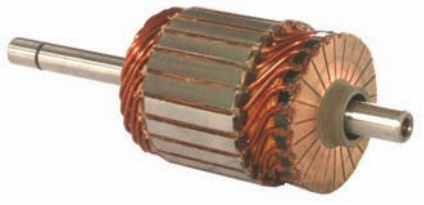
133267 Armature

Replacing: 583295
Servicing: 532024A; -B; -7A
V. 12, **kW.** 0.75, **Core OD** 56.55, **Shaft L.** 197.20, **Splines** 9, **Rotation** CR
Commutator: Cargo b134586.



133662 Armature

Replacing: 583312; -512
Servicing: 534048A; -52A
V. 12, **kW.** 1.0, **Core OD** 61.80, **Shaft L.** 193.30, **Splines** 9, **Rotation** CR
Commutator: Cargo b134587.



133735 Armature

Replacing: 583306; ne456
Servicing: 534046A
V. 12, **kW.** 1.0, **Core OD** 62.00, **Shaft L.** 188.00, **Splines** 9, **Rotation** CR
Commutator: Cargo b134587.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



133899 Armature

Replacing: 583342

Servicing: 534053C; -4D

V. 12, **kW.** 0.8, **Core OD** 60.20, **Shaft L.** 173.15, **Splines** 9, **Rotation** CR

Commutator: Cargo b134587.



133937 Armature

Replacing: 583154

Servicing: 538005A; -D

V. 12, **kW.** 2.5, **Core OD** 73.15, **Shaft L.** 305.20, **Splines** 11, **Rotation** ACR

Commutator: Cargo b134598.



133960 Armature

Replacing: 583081

Servicing: 532016A; -B

V. 12, **kW.** 1.0, **Core OD** 56.60, **Shaft L.** 243.60, **Splines** 9, **Rotation** ACR

Commutator: Cargo b134586.



134652 Armature

Replacing: 583344

Servicing: 534055e

V. 12, **kW.** 1.2, **Core OD** 60.25, **Shaft L.** 191.60, **Splines** 9, **Rotation** CR

Commutator: Cargo b134585.



135870 Armature

Replacing: 609465

Servicing: 532000A; -B; -1A; -1B; 6183C; -F; -G; -224B; -224C; -224D; -244B; -244C; -244D

V. 12, **kW.** 1.0, **Core OD** 56.55, **Shaft L.** 247.10, **Splines** 9, **Rotation** CR

Field Coils



130171 Field Coil

Replacing: 12938; 17938; 20747; 22283; -994; 606082; 618142; 680573

Servicing: 532000A; -b; -1A; -1B; -2A; -2B; -2C; -3A; -3B; -4A; -4B; -4C; -5A; -7A; -8A; -8B; -8C; -9A; -9B; -

V. 12, **kW.** 1.0/1.2, **H.** 99.70, **Brush gear** w/o



130173 Field Coil

Replacing: 618179

Servicing: 6217a; -b; -c; -d

V. 12, **kW.** 0.7, **H.** 91.50, **Brush gear** w/o



137290 Field Coil

Replacing: 618684

Servicing: 532012b; 6202c; -d; -f

V. 12, **kW.** 0.75, **H.** 89.65, **Brush gear** w/o

D.E. Brackets



231749 D.E. Bracket

Replacing: 611318

Servicing: 6189d; -242a

Solenoids



131006 Solenoid

Replacing: 18666; 22111; 583078; -262; 605670; -751; -754; 606834; -906; -910; -923; -924; -925; 607469; 609468

Servicing: 532000A; 532000AB; 532000B; -1A; 532001AB; 532001B; -2A; -2B; -2C; -3B; -4C; -7A; -8A; -8B; -8C; -1

V. 12, **B+** M8, **Coil bolt** M8

Cover: Cargo 133769.



131007 Solenoid

Replacing: 581381; 607918; 608407; 682244; zm-1561

Servicing: 532016A; -B; 6217a; -B; -C; -D; -E; -F; -G; -H

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131320.



131009 Solenoid

Replacing: 1414; 606753; -893; 618695; 680559; -60; -66; 701412; -4; 8249; zm-560; ne355; -61

Servicing: 532026A; 6020E; 6020EF; 6020F; -35E; -35F; -81E; 6081EF; 6081F; -189A; -189B; -189C; -189D; -202B;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131321.



131010 Solenoid

Replacing: 1412; -24; -26; 17952; 22405; 583007; 606858; -92; -94; -903; -913; 618010; -136; -480; -511; 681411

Servicing: 532005A; -21A; -23A; 6045A; -B; -139B; 6139BC; 6139C; -55H; 6155HJKL; 6155J; -K; -L; -85A; 6185ABC;

V. 12, **B+** M8

Cap: Cargo 133769.



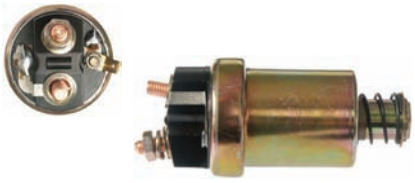
131013 Solenoid

Replacing: 583036

Servicing: 532009A; -B; -18A; -3002A; 6162C; -e; -90A; 6190AB; 6190B

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131322.

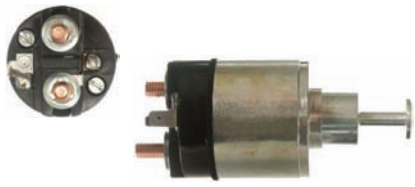


131208 Solenoid

Replacing: 583159; 60111; 606916; -9; 618220; 680952; -5; 760111; 777265; 77265; 077265

Servicing: 6083B; -C; -D; -99C; 6099CD; 6099D; -127C; -180B; -232A; -233A

V. 12, **B+** M8, **Coil bolt** M8



131211 Solenoid

Replacing: 583099; 682038

Servicing: 534004A; -B; -5A; -5B; -5C; -7A

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131172.



131797 Solenoid

Replacing: 60116; 606927; 61475; 618702; 681438

Servicing: 6056H; 6056HJ; 6056J; -109F; 6109FGHKL; 6109G; -H; -K; -L; -92B; 6192BCJ; 6192C; -J; -K; -L

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133768.



132241 Solenoid

Replacing: 608299; 680480

Servicing: 6207A; -B; -C

V. 12, **B+** M8, **Coil bolt** M8



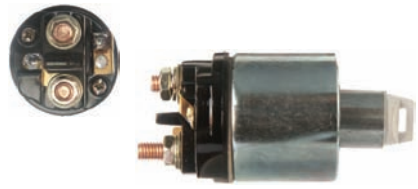
132622 Solenoid

Replacing: 583302

Servicing: 536001A; -8002A; -8003A; -8005A; -8005D; -8006A; 6236B; 6236BC; 6236C; -9A; 6239AB; 6239B

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133645.



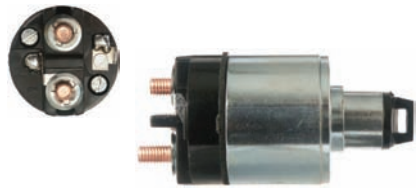
133120 Solenoid

Replacing: 583331; 683487; 583618; -261; NE347

Servicing: 532025A; -B; -4032A; -4047A; -4051A; -4052A

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 132274.



133121 Solenoid

Replacing: 583330; 683427; 583486; NE346

Servicing: 534023A; -39A; -44A; -46A; -50A; -50B

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133771.



133122 Solenoid

Replacing: 583333; 683262; -457; ne348; 680958; 683456

Servicing: 534029A; -31A; -42A; -42B; -43A

V. 12, **B+** M8, **Coil bolt** M8

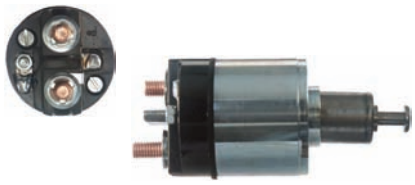
Cap: Cargo 132035.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



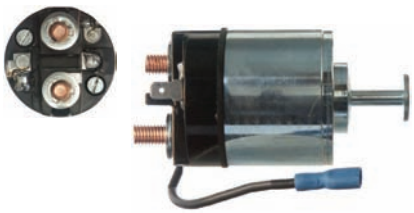
133123 Solenoid

Replacing: 583335; 683523; -2; NE350
Servicing: 534045A; -8A; -9A
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131172.



133129 Solenoid

Replacing: 583161
Servicing: 534009A; -B; -C
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133770.



133152 Solenoid

Replacing: 681928; -1
Servicing: 534003A; -B; -C
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133772.



133173 Solenoid

Replacing: 606911; 680564
Servicing: 6178a; -83A; -83B
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133773.



133177 Solenoid

Replacing: 680558; -65
Servicing: 6139; -55; -85; -219; -227
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133774.



133178 Solenoid

Replacing: 583079; zm-561; 612459
Servicing: 6160D; -E; -F; -G; -9A; -9B; 6183; -203; -216; -220; -231
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131323.

Solenoid Parts

Solenoid Caps



131172 Solenoid Cap

Servicing: 583099; -335; 682038; -3523
O.D. 52.00, **No. of leads** 3



131320 Solenoid Cap

Replacing: zm-56191; 131320
Servicing: 618694; -82244
O.D. 53.00, **No. of leads** 3, **Bracket type** Crimp



131321 Solenoid Cap

Replacing: 4287979; zm-56091; 131321
Servicing: 680559
O.D. 53.00, **No. of leads** 3, **Bracket type** Crimp



131322 Solenoid Cap

Servicing: 583036
O.D. 53.25, **No. of leads** 3, **Bracket type** Crimp



131323 Solenoid Cap

Servicing: 583079; -80
O.D. 52.35, **No. of leads** 3, **Bracket type** Crimp



132035 Solenoid Cap

Servicing: 534042; -943; -83333; 683457
O.D. 52.35, **No. of leads** 3



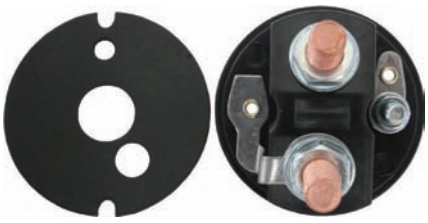
132274 Solenoid Cap

Servicing: 532025a; -b; -4032a; -4047a
O.D. 52.00, **No. of leads** 3



133645 Solenoid Cap

Servicing: 583098; -302; 681726
O.D. 52.00, **No. of leads** 3



133768 Solenoid Cap

Servicing: 060111; -1475; -77265; 606916; -9; -27; -8819; -10913; -81438
O.D. 52.70, **No. of leads** 3, **Bracket type** Crimp



133769 Solenoid Cap

Servicing: 583262; 618511; -81217; -81411
O.D. 53.15, **No. of leads** 4, **Bracket type** Crimp



133770 Solenoid Cap

O.D. 52.00, **No. of leads** 3



133771 Solenoid Cap

O.D. 52.00, **No. of leads** 3
Solenoid: Cargo 133121.



133772 Solenoid Cap

Servicing: 681928
O.D. 52.00, **No. of leads** 4



133773 Solenoid Cap

Servicing: 022675; 606908; -11; -15; -18006; -80564
O.D. 53.00, **No. of leads** 3, **Bracket type** Crimp



133774 Solenoid Cap

Servicing: 606834; -18498; -80558; -80565; -80652; -81211
O.D. 52.00, **No. of leads** 3, **Bracket type** Crimp



133775 Solenoid Cap

Servicing: 001414; -8249; 606881; -3; -93; -98; -926; -7469; -10908; -11848
O.D. 52.30, **No. of leads** 3, **Bracket type** Crimp

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Moving Contacts

Pkg 5



132036 Moving Contact

Servicing: 583330; -1; -4; 681872; -3262; -3287; -3480

L. 37.00, **Th.** 2.45, **W.** 14.00, **Shaft** 42.45, **Material** Copper
Assort. 803036

Pkg 5

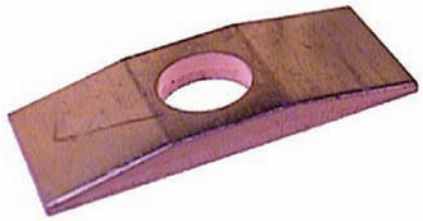


132147 Moving Contact

Servicing: 583161; 683099; -129; -487

L. 33.30, **Th.** 3.00, **W.** 14.00, **Shaft** 42.00, **Material** Steel
Silver plated.
Assort. 803036

Pkg 10



134150 Moving Contact

L. 32.50, **W.** 14.00, **Material** Copper
Assort. 803036

Pkg 10



134151 Insulator

O.D. 11.90, **I.D.** 5.45, **Th.** 3.65, **Insulator** 10, **Material** Plastic

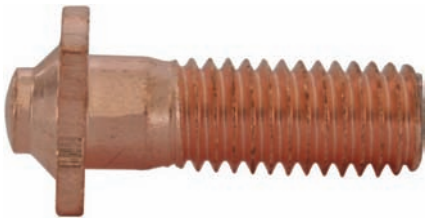
Pkg 10



134158 Locking

Fixed Contacts

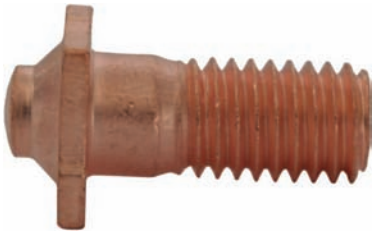
Pkg 10



134146 Fixed Contact

Collar L. 22.80, **L.** 38.35, **Thread** M8
Assort. 803036

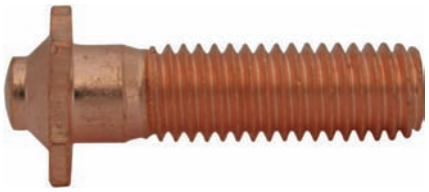
Pkg 10



134147 Fixed Contact

Collar L. 17.55, **L.** 23.30, **Thread** M8
Assort. 803036

Pkg 10

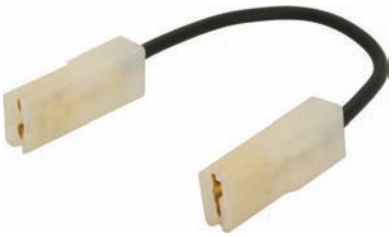


134148 Fixed Contact

Collar L. 27.85, **L.** 33.40, **Thread** M8
Assort. 803036

Various

Pkg 10



134140 Connector

Old type.
Assort. 802001

Drives



130422 Drive

Replacing: 22225; 681397
Servicing: 6177; 618075; -89; 6207; 6207A; -B; -C

O.D. 36.25, **I.D.** 14.00, **L.** 76.60,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel



130424 Drive

Replacing: 60846; 681378; 1.01.0245.0

Servicing: 532021A; -3A; 6136; -85; 6185A; -B; -C; -219A; -219B; -219C

O.D. 25.20, **I.D.** 12.00, **L.** 59.50,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel

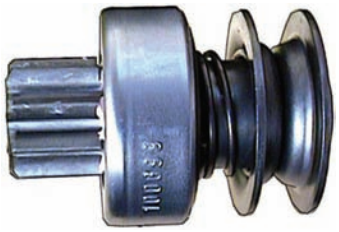


130425 Drive

Replacing: 60991; 1.01.0326.0

Servicing: 6139b; -202b; -202c; -202d; -202f

O.D. 29.00, **I.D.** 12.00, **L.** 59.85,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel



130432 Drive

Replacing: 605028; -55; 612355; 680663; 682150; 076651; 078862; 092079; 093297; 096118; 1.01.0189.0

Servicing: 532005A; -7A; -20A; -20B; -26A; -3000A; -3002A; -3003A; -3004A; -4003A; -4003B; -4003C; -4004A; -40

O.D. 25.25, **I.D.** 12.00, **L.** 68.05,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



130434 Drive

Replacing: 18678; 19567; 606416; 609477; 611736; 681380; 79692; 079692; 1.01.0244.0; 130431

Servicing: 532000A; -B; -1A; -1B; -17A; 6183B; -C; -F; -G; -7C; -7E; -7F; -224B; -224C; -224D; -227A; -227B; -

O.D. 25.30, **I.D.** 12.00, **L.** 61.70,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



130538 Drive

Replacing: 2525287; 10498623; 1852716; 1868355; 1876857; 1877355; 1933471; 1941119; -57; 1942950; 1950058; 1964

Servicing: 30MT. 10455316; -26; -31; -34; -37; -78830; 1107214; -34; -49; -90; -91; -300; -382; -511; -512; -51

O.D. 39.85, **I.D.** 14.30, **L.** 96.15,
No. of teeth 10, **Splines** 3, **Rotation** CR,
Drive type Steel



130540 Drive

Replacing: 329679; d2107; 10498438; 1851430; 1875802; -52; 1877353; -4; 1932308; -890; 1934488; 1940134; -8; 19

Servicing: 35MT. 1107251; -343; -344; -510; -527; -534; -538; -548; -553; -567; -581; -587; -600; -875; -8652;

O.D. 46.15, **I.D.** 14.02, **L.** 96.00, **Shaft L.** 14.00, **No. of teeth** 12, **Splines** 3, **Rotation** CR, **Drive type** Steel



130726 Drive

Replacing: 611718

Servicing: 6223A; -44A; -45A

O.D. 25.37, **I.D.** 12.00, **L.** 68.00,
No. of teeth 9, **Splines** 11, **Rotation** CR,
Drive type Steel



131021 Drive

Replacing: 611942; 1.01.0404.0; 618744

Servicing: 532002A; -B; -C; -3A; -3B; -4A; -4B; -4C; -8A; -8B; -8C; -9A; -9B; -10A; -10B; -18A; 6231C; -7562A;

O.D. 25.20, **I.D.** 13.00, **L.** 61.50,
No. of teeth 9, **Splines** 11, **Rotation** CR,
Drive type Steel



131083 Drive

Replacing: 680589; 54262393; 1.01.0337.0

Servicing: 6236B; -C

O.D. 25.55, **I.D.** 12.10, **L.** 80.65,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



131188 Drive

Replacing: 17946; 606415; 611734; 075593; 078863; 092081; 093625; 096119; 1.01.0246.0

Servicing: 532011A; -3001A; 6155G; -H; -J; -K; -L; -61H; D8E136; D8E78; -88; -95

O.D. 25.30, **I.D.** 12.00, **L.** 67.80,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel



131596 Drive

Replacing: 681898; 1.01.0430.0

Servicing: 538002A; -6A

O.D. 29.15, **I.D.** 14.20, **L.** 79.90,
No. of teeth 9, **Splines** 11, **Rotation** CR,
Drive type Steel

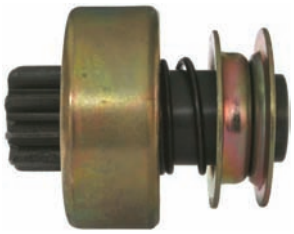


131776 Drive

Replacing: 73893; 1.01.0463.0

Servicing: 6020e; -f

O.D. 29.15, **I.D.** 12.00, **L.** 69.15,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



132078 Drive

Replacing: 16866; 20795; 681398

Servicing: 6056H; 6056HJ; 6056J; -109F; 6109FGHKL; 6109G; -H; -K; -L; -60D; 6160DEFG; 6160E; -F; -G; -92B; 619

O.D. 29.30, **I.D.** 14.00, **L.** 74.00,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel



132170 Drive

Replacing: 683334

Servicing: 6127C; -80A; -232A; -233A

O.D. 39.75, **I.D.** 14.00, **L.** 84.65,
No. of teeth 10, **Splines** 6, **Rotation** CR,
Drive type Steel



132181 Drive

Replacing: 583277; -89; -336; 106140; 1.01.0574.0

Servicing: 534023; 534023A; 534029; 534029A; 534031; 534031A; 534032; 534032A; -9A; -42A; -42B; -43A; -44A; -4

O.D. 25.30, **I.D.** 12.00, **L.** 52.85,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel
w/ lever.



132182 Drive

Replacing: 583307

Servicing: 534046A; -50A; -50B

O.D. 25.00, **I.D.** 12.00, **L.** 59.45,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel
w/ lever.



132184 Drive

Replacing: 682685

Servicing: 534009a; -b; -c

O.D. 25.20, **I.D.** 12.15, **L.** 71.15,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



132185 Drive

Replacing: 681873; -8

Servicing: 532012A; -B

O.D. 26.90, **I.D.** 12.00, **L.** 59.00,
No. of teeth 10, **Splines** 9, **Rotation** ACR,
Drive type Steel



132196 Drive

Replacing: 680684; 1.01.0403.0

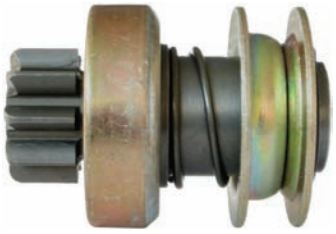
Servicing: 536001A; 6239A; -B

O.D. 25.35, **I.D.** 13.00, **L.** 80.55,
No. of teeth 9, **Splines** 11, **Rotation** CR,
Drive type Steel



132197 Drive

Replacing: 683117; 1.01.0393.0
Servicing: 534027a; -8a; -35a; -36a
O.D. 29.15, **I.D.** 12.00, **L.** 65.50,
No. of teeth 11, **Splines** 9, **Rotation** CR,
Drive type Steel



132225 Drive

Replacing: 22154
Servicing: 6178A; -B
O.D. 29.00, **I.D.** 14.00, **L.** 67.50,
No. of teeth 9, **Splines** 6, **Rotation** ACR,
Drive type Steel



132344 Drive

Replacing: 682215; 1.01.0425.0
Servicing: 532014; 532014A
O.D. 25.25, **I.D.** 12.85, **L.** 67.90,
No. of teeth 9, **Splines** 11, **Rotation** CR,
Drive type Steel



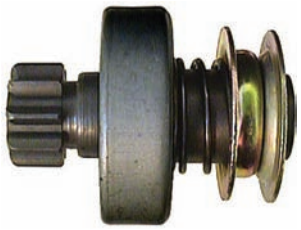
132643 Drive

Replacing: 583298
Servicing: 532024A; -B; -7A
O.D. 29.30, **I.D.** 12.00, **L.** 52.85,
No. of teeth 11, **Splines** 9, **Rotation** CR,
Drive type Steel
w/ lever.



133112 Drive

Replacing: 331435; 583305; ne461
Servicing: 534045A; -9A
O.D. 25.15, **I.D.** 12.00, **L.** 64.20,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel
w/ lever.



133158 Drive

Replacing: 682496
Servicing: 538005A; -B; -C; -D
O.D. 28.50, **I.D.** 14.25, **L.** 79.80,
No. of teeth 9, **Splines** 11, **Rotation** ACR,
Drive type Steel



135389 Drive

Replacing: 584185; 185915; 549185; 1.01.1023.0; 594185
Servicing: D7R12; -3; -6; -8; -9; -20; -25; -26; -27; -28; -35; -40; -43; -44; -47; -48; -49; D7R5; -7; -8; -9
O.D. 30.00, **I.D.** 12.00, **L.** 55.00,
No. of teeth 11, **Splines** 9, **Rotation** CR,
Drive type Steel



235088 Drive

Replacing: 072083; 073811; 079238; -40; ne305; -6
Servicing: 6083; 6083b; -c; -d; 6099; 6099cd
O.D. 40.00, **I.D.** 14.00, **L.** 75.15,
No. of teeth 10, **Splines** 6, **Rotation** CR,
Drive type Steel

Levers



132632 Lever

Replacing: 583357
Servicing: 532000A; 532000AB; 532000B; -1A; 532001AB; 532001B; -5A; -7A; -12a; -12B; -17A; -20A; -20B; -21A; -
L. 92.60, **Lever** 1



132633 Lever

Replacing: 583363; 611509
Servicing: 532002; 532002A; -B; -C; 532003; 532003B; 532004; 532004C; 532008; 532008A; -B; -C; 532009; 532009A
L. 91.30, **Lever** 1

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



232399 Lever

Replacing: 583361
Servicing: 532011A; -3000A; -3001A; -4002A; -4003A; -4003B; -4003C; 534004; 534004A; -B; 534005; 534005A; -B;
L. 88.15, **Lever** 1

Brush Gears

Pkg 10



132574 Brush Gear

Brush w/o, **Brush gear** 10,
Spring terminal w/o
Brush set: Cargo usx91922. Spring: Cargo 132994.

Brush gears parts

Pkg 5



132994 Insulator

Insulator 5
Brush gear: Cargo 132574.

Brush Springs

Pkg 10



133889 Brush Spring

O.D. 12.60, **L.** 42.45

Pkg 10



233766 Brush Spring

Servicing: 538006; 6109; -92
O.D. 11.85, **L.** 33.50

Brush Sets



140849 Brush/Spring Set

Replacing: 618491
Servicing: 6020ef; 6035f; 6081ef; -139bc; 6155hjkl; 6176eg
V. 12, **L.** 14.92, **Th.** 7.82, **H.** 14.83,
No. of brushes 2
Brush set: Cargo usx73-852.
Assort. 803037



usx50-512 Brush Set

Replacing: 60556; 079325
V. 6/12, **L.** 13.05, **Th.** 8.65, **H.** 18.90,
No. of brushes 2
Assort. 803037



usx50-514 Brush Set

Replacing: 60567; 618509
Servicing: 538000A; 538000ABC; 538000B; -C; -2A; -3A; -5A; -5D; -6A; 6056H; 6056HJ; 6056J; -83B; 6083BCD; 6083
L. 12.70, **Th.** 8.65, **H.** 18.90,
No. of brushes 4
Assort. 803037



usx64-652 Brush Set

Replacing: 75217; 075244
V. 6, **L.** 14.80, **Th.** 7.90, **H.** 14.68,
No. of brushes 2



usx682 Brush Set

Replacing: 618570
V. 12, **L.** 14.96, **Th.** 7.95, **H.** 14.72,
No. of brushes 2
Assort. 803037



usx73-852 Brush Set

Replacing: 19252; 20856; 23283; 609592; -778; 611795; 75226; -38
Servicing: 532000A; 532000AB; 532000B; -1A; 532001AB; 532001B; -2A; -2B; -2C; -3A; -3B; -4A; -4B; -4C; -5A; -7
V. 12, **L.** 15.00, **Th.** 7.95, **H.** 14.95,
No. of brushes 2
Brush set: Cargo 140849.
Assort. 803037



usx76-77-78 Brush Set

Replacing: 607084; 608818; 618539; USX82-83-844
V. 12, **L.** 15.05, **Th.** 7.95, **H.** 14.70,
No. of brushes 4
Assort. 803037



usx91-922 Brush Set

Replacing: 583041; 618691; -2
Servicing: 532012A; -B; -6A; -6B; -21A; -23A; -24A; -24B; -25A; -25B; -26A; -4002A; -4003A; -4003B; -4003C; -4
V. 12, **L.** 15.00, **Th.** 13.86, **H.** 11.55,
No. of brushes 2
Assort. 803037

usx93-942/1 Brush Set

Replacing: 583241
Servicing: 532027A; -4027A; -4028A; -4035A; -4036A; -4056F
V. 12, **L.** 18.61, **Th.** 12.92, **H.** 8.24,
No. of brushes 4
Assort. 803037

Bushings

Pkg 10



140038 Bearing Bushinging

Replacing: 98888; 098888
Servicing: M3T67281
O.D. 13.00, **I.D.** 10.00, **L.** 14.90, **Type** Standard, **Material** Copper
Assort. 803019

Pkg 10



140040 Bearing Bushinging

Replacing: 601476; 68412; 97658; 15.120.087; -22; 140040
Servicing: M78, M79. 11.130.174; -93; -208; -210; -233; -244; -245; -246; -291; -321; -328; -334; -338; -344; -
O.D. 15.00, **I.D.** 12.00, **L.** 12.00, **Material** Copper
Assort. 803019; 803025

Pkg 10



140041 Bearing Bushinging

Replacing: 600664
Collar O.D. 18.00, **O.D.** 15.00, **I.D.** 12.00, **L.** 13.25, **Type** Standard, **Material** Copper
Assort. 803019

Pkg 10



140042 Bearing Bushinging

Replacing: 600609; -28
O.D. 15.00, **I.D.** 13.00, **L.** 14.30, **Type** Standard, **Material** Copper
Assort. 803019

Pkg 10



140043 Bearing Bushinging

Replacing: 1000301063; 68430; -902; -903; 84909; 051914; 140043; -210
Servicing: 0001108074; -85; -86; -112; -122; -143; -12007; -12019; 0001223500; -2; -5; -6; -7; B001111191; -25
O.D. 15.05, **I.D.** 12.10, **L.** 15.00, **Material** Copper
Assort. 803019; 803020; 803033

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



140050 Bearing Bushinging

Replacing: 672541; 8084316; 908431; 9916076; 17.120.057; 74868210

Servicing: 63223200

O.D. 14.02, **I.D.** 10.08, **L.** 13.50, **Type** Standard, **Material** Copper

Assort. 803020

Pkg 10



140064 Bearing Bushinging

Replacing: 35070; 82775; 035070; 140037

O.D. 15.00, **I.D.** 12.00, **L.** 19.80, **Type** Standard, **Material** Copper

Assort. 803019

Pkg 10



140068 Bearing Bushinging

Replacing: 87880; 047403; 140044

O.D. 21.05, **I.D.** 17.05, **L.** 20.00, **Material** Copper

---

Pkg 10



140157 Bearing Bushinging

Replacing: 602039

O.D. 15.00, **I.D.** 13.00, **L.** 12.05, **Type** Standard, **Material** Copper

Assort. 803019

Pkg 10



140257 Bearing Bushinging

Replacing: 94909

O.D. 19.15, **I.D.** 16.00, **L.** 13.85, **Material** Copper

Assort. 803019

Pkg 10



140264 Bearing Bushinging

Replacing: 28936; 24-29; MZ-40AS; B11052

O.D. 19.15, **I.D.** 16.29, **L.** 15.00, **Material** Copper

Assort. 803019

Pkg 10



140267 Bearing Bushinging

Replacing: 68754

O.D. 17.00, **I.D.** 14.00, **L.** 14.95, **Material** Copper

Assort. 803019



140533 Bushinging Kit

Replacing: 583348; 182063; ne005; -379

Servicing: 532000A; 532000AB; 532000B; -1A; 532001AB; 532001B; -5A; -7A; -11A; -12A; -12B; -17A; -20A; -20B; -

O.D. 15.07, **I.D.** 12.07, **L.** 12.01, **Type** Standard, **Material** Copper

Assort. 803019; 803033



140542 Bushinging Kit

Replacing: 583369; ne380

Servicing: 6020E; -F; -135E; -139B; -139C; -227A; -227B



140543 Bushinging Kit

Replacing: 583372; ne381

Servicing: 6056H; 6056HJ; 6056J; -92B; -99C; 6099CD; 6099D; -109F; 6109FGHKL; 6109G; -H; -K; -L; -60D; 6160DEF

Assort. 803019



140544 Bushinging Kit

Replacing: 583376; ne382

Servicing: 532002A; -B; -C; -3A; -3B; -4A; -4B; -4C; -8A; -8B; -8C; -9A; -9B; -10A; -10B; -14A; -18A; -6001A;

Assort. 803019



140545 Bushinging Kit

Replacing: 583379; ne383
Servicing: 538000A; 538000ABC; 538000B; -C; -2A; -3A; -5A; -5D; -6A; 6178A; 6178AB; 6178B; -C; 6178CD; 6178D;

Assort. 803019



140546 Bushing Kit

Pkg 10



140621 Bearing Bushinging

O.D. 13.20, **I.D.** 12.05, **L.** 16.15, **Material** Steel
Assort. 803019

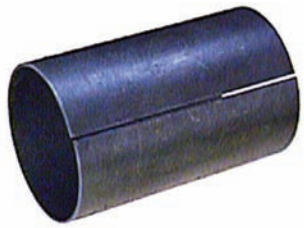
Pkg 10



140622 Bearing Bushinging

O.D. 13.40, **I.D.** 11.75, **L.** 11.00, **Material** Copper
Assort. 803019

Pkg 10



140623 Bearing Bushinging

O.D. 13.60, **I.D.** 13.40, **L.** 22.20, **Material** Steel
Assort. 803019

Pkg 10



140667 Bearing Bushinging

Replacing: 68763; 068763
O.D. 18.05, **I.D.** 14.05, **L.** 14.90, **Type** Standard, **Material** Copper
Assort. 803019

Sundry Parts

Pkg 5



131809 Cap

Replacing: 608063
Servicing: 6217d
O.D. 23.75, **H.** 18.80

Pkg 5



132924 Cover

Servicing: 532002; -9; -10; -14; -17; -18; 6185; -219; -220; -227; -231; -247
O.D. 23.40, **H.** 12.45



133106 Brake Kit

Replacing: 583388; 607093
Servicing: 532011a; -3001A; 6135E; -55H; 6155HJKL; 6155J; -K; -l; -Q; -61H; -85A; 6185ABC; 6185B; -C; -202a; -

---



135491 Brake Kit

Replacing: 583387
Servicing: 6056; 6056H; 6056HJ; 6056J; 6099; 6099C; 6099CD; 6099D; 6109; 6109F; 6109FGHKL; 6109G; -H; -K; -L;

Pkg 10



136328 Spring

Servicing: 6183b; -c; -f; -g; -7c; -7e; -7f; -9d; -9e; -9f; -90a; -90b; -212b; -216a; -216b; -216c; -217c; -21
O.D. 25.00, **L.** 27.00

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



137165 Grommet

Assort. 803040

Pkg 10



138766 Brake Washer

O.D. 19.00, **I.D.** 12.20, **Th.** 0.80

Pkg 10



234665 Gasket

Servicing: 6187

L. 62.60, **Th.** 0.60, **W.** 44.55

Brush Sets



130988 Brush Set

Replacing: 21391

V. 12, **L.** 25.00, **Th.** 7.83, **H.** 13.98,
No. of brushes 4

Bearings

Pkg 10



140086 Bearing 6202/zz

Replacing: 1900905226; -8; -44; 6220-693; 954293; 68933; 85218; 62022zrc3; 057382; 076001; 6202zz

Servicing: 0010350013; -4; 0136352005; -5049; -5050; -5053; -5054; -5055; -5057; -5058; -5059; -5060; -5061; -

O.D. 35.00, **I.D.** 15.00, **H.** 10.00

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Brush Sets



141266 Brush

V. 12, **L.** 26.60, **Th.** 5.60, **H.** 13.55,
No. of brushes Single, **Brush** 1

Field Coils



130341 Field Coil

Replacing: 06762; 130341

V. 12, **Amp.** 11, **kW.** 0.9, **H.** 103.35,
Brush gear w/o

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Armatures



130945 Armature

Replacing: 8083006; 4120548; 4262329; 4287975; 74869671; 74870031

Servicing: 63201000; -1; -2; -3; -4; -5; -30; -50; -20107; -20108; -20137; -20138

V. 12, **kW.** 0.5, **Core OD** 51.75, **Shaft L.** 230.00, **Splines** 2, **Rotation** ACR

Commutator: Cargo b134705.



133842 Armature

Replacing: 8093000

V. 12, **kW.** 0.6, **Core OD** 51.75, **Shaft L.** 232.30, **Splines** 12, **Rotation** ACR



135893 Armature

Replacing: 9083000; 4162796; 74867591

Servicing: 63222703; -30; -31

V. 12, **kW.** 1.5, **Core OD** 66.87, **Shaft L.** 287.25, **Splines** 12, **Rotation** CR



136708 Armature

Replacing: 8020063000; 8183000

Servicing: 8020040000; -60000; -70000; 8060000; 8180000; -90000; r80.04; R8006; -7; r80k; -N; -z

V. 12, **kW.** 1.0, **Core OD** 51.50, **Shaft L.** 220.70, **Splines** 12, **Rotation** CR

Field Coils



136710 Field Coil

Replacing: 8020011200; 8121200

Servicing: 8020010000; -20000; -40000; -60000; 8060000; 8100001; -20000; -80000; -90000

V. 12, **kW.** 1.0, **H.** 76.65, **Brush gear** w/o

Solenoids



130848 Solenoid

Replacing: 07925; 8088006; 4166937; 4309853; 74870151

Servicing: 63201000; -1; -2; -3; -4; -5; -101; -20107; -20108; -20137; -20138; -20232



131437 Solenoid

Replacing: 9240000; 9244000; 9540000; 10332-9; 4475085; -93; -95; 9935727; 9938503; -76; 63600403; -83; -93; 85

Servicing: 63206002; -3; -20408; -20430; -20432; -20433; -20438; -20439; -20537; -20538; -20700; -20732; -2073

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 132229. Moving contact: Cargo 132246.



133096 Solenoid

Replacing: 0331401025; -33; 8050018000; 9610010; -100; we10a

Servicing: 0001360014; -6; -24

V. 24, **B+** M10, **Coil bolt** M10

Cap: Cargo 133157. Lever: Cargo 131183.



133840 Solenoid

Replacing: 9140010

V. 12, **B+** M8, **Coil bolt** M8

Solenoid Parts

Solenoid Caps

Pkg 5



132229 Solenoid Cap

Replacing: zm-65296; 131848; 132229
Servicing: 63600408; -83; -93; 85530010; -20; -30; -50; -90; -220; -280; -290; -330; -40041
O.D. 52.45, **No. of leads** 3
Solenoid: Cargo 131437, 132227, 132227, 132228, 132137.

Drives



130740 Drive

Replacing: 8087006; 4287980; 74870111; 1.01.0544.0; 16.900.038
Servicing: 63201000; -1; -2; -3; -4; -5; -101
O.D. 25.30, **I.D.** 11.50, **L.** 65.00,
No. of teeth 9, **Splines** 2, **Rotation** ACR,
Drive type Steel



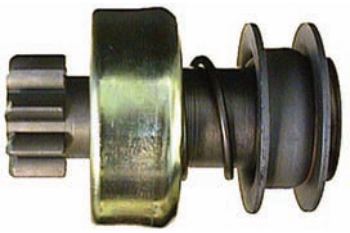
132075 Drive

Replacing: 9087000; 4141057; 18.900.179; 74866151
Servicing: 63222300
O.D. 29.00, **I.D.** 14.00, **L.** 70.20,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel



133841 Drive

Replacing: 8097002; 9939837; 99339837; 1.01.0769.0
O.D. 25.00, **I.D.** 11.50, **L.** 65.30,
No. of teeth 9, **Splines** 12, **Rotation** ACR,
Drive type Steel



136709 Drive

Replacing: 8020067000; 8187000
Servicing: 8020040000; -60000; -70000; 8060000; 8180000; -90000; r80k; -N; -z
O.D. 25.20, **I.D.** 11.65, **L.** 68.00,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel

Levers



132202 Lever

Replacing: 8087186; 4189399; 74869941
Servicing: 63201000; -2; -4; -70201; -70202; -70205; -70206; -70221; -70223; -70224; -70243
L. 124.70, **Lever** 1

Brush Gears

Brush gears parts

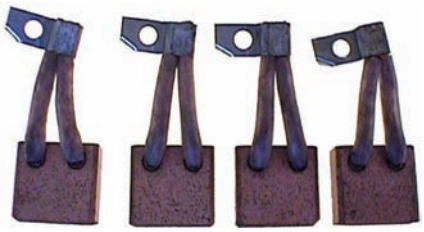
Pkg 5



234715 Cover

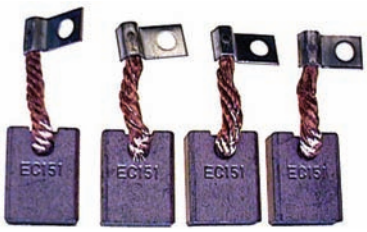
Replacing: 8085316
Servicing: 63201002; -4; -20107; -20108

Brush Sets



bsx964 Brush Set

Replacing: 2007014050; -2; -6; -64; -566; 8060014040; 16.905.226; -392; BSX1184
Servicing: 0001358201; -2; -9001; -9002; -9003; -9008; -9010; -9012; -9013; -9014; -9016; -9018; -9019; -9020;
V. 12, **L.** 23.00, **Th.** 9.75, **H.** 24.80,
No. of brushes 4
Assort. 803018



jsx134 Brush Set

Replacing: 9084040; 13784-59; 13784-7; 4045771; 4475185; 16.905.218; 74866041; 74874701
Servicing: MTD12-1; MTD12-14; -8; -9; MTR12-1; -6; -24-2; -24-7
V. 12, **L.** 19.90, **Th.** 6.95, **H.** 15.85,
No. of brushes 4
Assort. 803021

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



jsx52 Brush Set

Replacing: 8084046; 13784-5; 13784-68; 4259228; 16.905.225; 74868171
Servicing: 11.130.134; -43; -266; -314; 63201000; -1; -2; -3; -4; -5; -101; -20107; -20108; -20137; -20138; -2
V. 6, **L.** 16.99, **Th.** 5.95, **H.** 15.90,
No. of brushes 2
Assort. 803021

Bushings

Pkg 10



140046 Bearing Bushinging

Replacing: 9084020; 4007952; -72; 637403; 9925774; 74705710
O.D. 16.00, **I.D.** 12.00, **L.** 16.90, **Material** Copper
Assort. 803020

Pkg 10



140049 Bearing Bushinging

Replacing: 9085020; 4047985; 74866140
O.D. 16.00, **I.D.** 12.00, **L.** 24.00, **Type** Standard, **Material** Copper
Assort. 803020

Pkg 10



140050 Bearing Bushinging

Replacing: 672541; 8084316; 908431; 9916076; 17.120.057; 74868210
Servicing: 63223200
O.D. 14.02, **I.D.** 10.08, **L.** 13.50, **Type** Standard, **Material** Copper
Assort. 803020

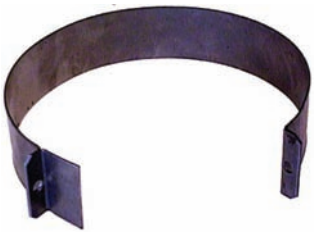
Sundry Parts

Pkg 10



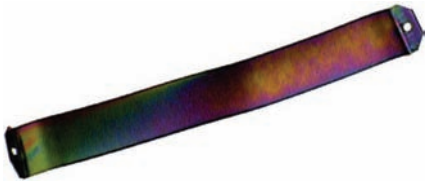
132122 Thrust Washer

Replacing: 9089060; 4073420
O.D. 36.50, **I.D.** 24.45, **Th.** 7.50, **Material** Plastic



133838 Cover Band

Replacing: 9089080
Servicing: 2101-3708000
O.D. 123.90, **H.** 27.60, **Mount. hole 1** 5.00



133839 Cover

Replacing: 8089086
Servicing: 63201004; moa12-10
H. 30.10, **Mount. hole 1** 0.45

Armatures



130360 Armature

Replacing: 9001334020; 9003334020; 17127-1; 4142225; 4202983; 4255494; 74861761; 132813

Servicing: 63220700; -32; -35; -40; -41; -43; -44; -46; -830; -833; -834; -931; -932; -940; MTS12-1; MTS12-22;

V. 12, **kW.** 0.8, **Core OD** 54.40, **Shaft L.** 250.00, **Splines** 12, **Rotation** CR

Commutator: Cargo b135710.



131935 Armature

Replacing: 9001334031; 20582-2; -5

Servicing: moa12-10; -3; MOA12-2

V. 12, **kW.** 0.6/0.7, **Core OD** 52.10, **Shaft L.** 233.30, **Splines** 12, **Rotation** CR

Commutator: Cargo b135710.

Field Coils



130359 Field Coil

Replacing: 17181-2; 4141881; 74860061

Servicing: 63220700; -32; -35; -40; -41; -43; -44; -46; -830; -833; -834; -931; -940; MTS12-1; MTS12-22; -3; -

V. 12, **kW.** 0.8, **H.** 80.45, **Brush gear** w/o



131936 Field Coil

Replacing: 20587-3

Servicing: MOA12-10

V. 12, **kW.** 0.6, **H.** 82.85, **Brush gear** w/o

Solenoids



130377 Solenoid

Replacing: 30430-1; 4189658; 4267879; 4275899; 63600400; 63902000; zm-650

Servicing: 63220700; MTD12-14; MTS12-22; -39

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131325.



131437 Solenoid

Replacing: 9240000; 9244000; 9540000; 10332-9; 4475085; -93; -95; 9935727; 9938503; -76; 63600403; -83; -93; 85

Servicing: 63206002; -3; -20408; -20430; -20432; -20433; -20438; -20439; -20537; -20538; -20700; -20732; -2073

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 132229. Moving contact: Cargo 132246.



132271 Solenoid

Replacing: 9330331071; 23159-1; 29159-1; 29159-11

Servicing: MOA12-10; -3

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 132722.



132272 Solenoid

Replacing: 9339331001; 32688-1; 1965279

Servicing: MOK12-1

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 132723.

Solenoid Parts

Solenoid Caps



131325 Solenoid Cap

Replacing: zm-65091; 133479; 131325

Servicing: 30430-1; 63600400; MTA12-2; mta12-40; MTA12-H04; -8; -24; -30; -P03; -P07

O.D. 57.00, **No. of leads** 3

w/ spade terminals.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



132229 Solenoid Cap

Replacing: zm-65296; 131848; 132229

Servicing: 63600408; -83; -93; 85530010; -20; -30; -50; -90; -220; -280; -290; -330; -40041

O.D. 52.45, **No. of leads** 3

Solenoid: Cargo 131437, 132227, 132227, 132228, 132137.



132722 Solenoid Cap

O.D. 50.40, **No. of leads** 4



132723 Solenoid Cap

Servicing: MOB12-1; -2; -K12-1; MTS12-48

O.D. 49.15, **No. of leads** 4



132776 Solenoid Cap

Servicing: mta12-30; MTA12-P30; MTS12-P17; -V12; -V31

O.D. 65.00, **No. of leads** 3

Moving Contacts

Pkg 5



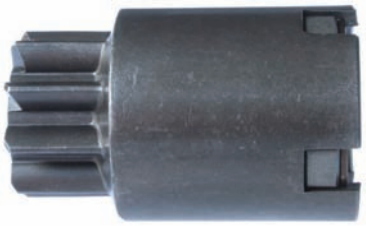
132724 Moving Contact

Replacing: 25159-1

Servicing: mok12-1; mts12-48

L. 35.50, **Th.** 2.50, **W.** 15.00, **Shaft** 35.90, **Material** Copper
Assort. 803035

Drives



130449 Drive

Replacing: 14898-1; 54252212; tlb112; 1.01.0170.0

Servicing: 25079; 25079A; -J; 25083; 25083A; -H; -5A; -5B; -8A; -8J; -105A; -105B; -116A; -116D; -118A; -118J;

O.D. 29.10, **I.D.** 16.00, **L.** 58.00, **No. of teeth** 9, **Splines** 4, **Rotation** ACR, **Drive type** Steel

---



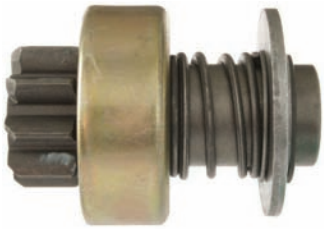
130730 Drive

Replacing: 17061-2; -8; 1.01.0543.0; 9001336213; -7

Servicing: MTA12-13; -20; -42; MTV12-5; -7

O.D. 25.25, **I.D.** 11.55, **L.** 62.15, **No. of teeth** 9, **Splines** 12, **Rotation** ACR, **Drive type** Steel

---



130731 Drive

Replacing: 9001336221; 17061-12; 1.01.0911.0

Servicing: MTA12-30

O.D. 29.20, **I.D.** 11.55, **L.** 61.90, **No. of teeth** 9, **Splines** 12, **Rotation** ACR, **Drive type** Steel

---



130733 Drive

Replacing: 17061-16

Servicing: MOA12-10

O.D. 26.70, **I.D.** 12.00, **L.** 67.15, **No. of teeth** 10, **Splines** 12, **Rotation** CR, **Drive type** Steel

---



130737 Drive

Replacing: 17061-14; 17061-3; 4142235; 4145751; 4202988; 4249166; 9935948; 9936049; 74860391; 74861441; 7487685

Servicing: 63220700; -32; -35; -40; -41; -43; -44; -46; -830; -833; -834; -932; -940; -1300; -1302; -1303; -13

O.D. 25.55, **I.D.** 11.70, **L.** 71.15, **No. of teeth** 9, **Splines** 6, **Rotation** CR, **Drive type** Steel

---



130738 Drive

Replacing: 9001133219; 17061-10; 4154293; 4243124; 4475122; 74866611; 74867401; 74874241; 85540271; 1.01.0213.0

Servicing: 63222430; -5; -8; -9; -531; -532; -536; -730; -731; -736; MTD12-14; -9; mtd12-9

O.D. 29.15, **I.D.** 14.00, **L.** 68.00, **No. of teeth** 11, **Splines** 6, **Rotation** CR, **Drive type** Steel

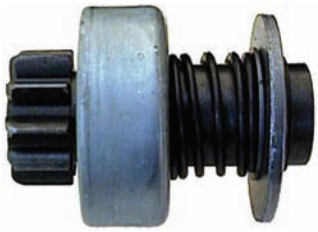


130920 Drive

Replacing: 9328; 1.01.0453.0; 9586-1; 9001336203

Servicing: MTA12-1; MTC252-2; -6; -7; MTC402-15; MTC402-2

O.D. 26.95, **I.D.** 12.00, **L.** 60.65, **No. of teeth** 8, **Splines** 6, **Rotation** ACR, **Drive type** Steel

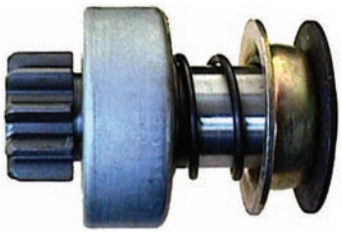


131064 Drive

Replacing: 17061-25

Servicing: MTA12-40

O.D. 27.95, **I.D.** 11.55, **L.** 61.90, **No. of teeth** 10, **Splines** 12, **Rotation** ACR, **Drive type** Steel

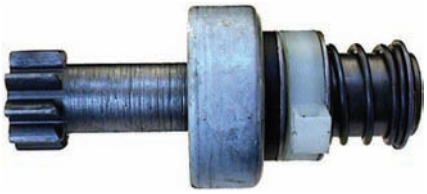


131088 Drive

Replacing: 17061-28; 9001336232

Servicing: MOK12-1

O.D. 26.70, **I.D.** 12.05, **L.** 67.50, **No. of teeth** 10, **Splines** 5, **Rotation** CR, **Drive type** Steel



131089 Drive

Replacing: 17061-18; -27; 9001336231

Servicing: MOB12-1; -2

O.D. 25.40, **I.D.** 12.10, **L.** 101.70, **No. of teeth** 9, **Splines** 5, **Rotation** CR, **Drive type** Steel



131496 Drive

Replacing: 9001336205; 10612-2; 4063663; 74870561; -651; 1.01.0533.0

Servicing: 63201101; MTD12-1; MTD12-12H5

O.D. 29.25, **I.D.** 14.00, **L.** 70.10, **No. of teeth** 9, **Splines** 6, **Rotation** CR, **Drive type** Steel



131713 Drive

Replacing: 2006208013; 2006209021; -32; -181; -902; 15053-4; 1.01.0227.0

Servicing: 0001354018; -29; -33; MTL12-11

O.D. 41.00, **I.D.** 14.30, **L.** 90.00, **No. of teeth** 11, **Splines** 3, **Rotation** CR, **Drive type** Steel



131714 Drive

Replacing: 2006380558; 3350; -550; 1.01.0036.0; 18.100.021; 0030

Servicing: 0001401027; -47; -2053; -2057; 0001501035; -42; 11.130.158; BNG4/12CR168SR; BPD6/24AR180; MTA24-2;

O.D. 41.00, **I.D.** 14.60, **L.** 120.00, **No. of teeth** 11, **Splines** 3, **Drive type** Steel

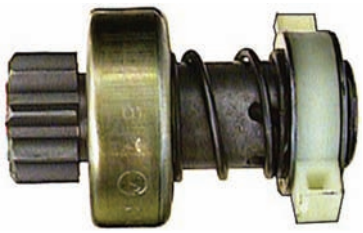


131716 Drive

Replacing: 17061-26; 9937207; -419; 74886131; 74887061; 85540491; -611; 1.01.0389.0; 132631

Servicing: 63220901; -31; -1338; -1430; -1431; -1538; -1637

O.D. 29.30, **I.D.** 11.55, **L.** 71.00, **No. of teeth** 11, **Splines** 6, **Rotation** CR, **Drive type** Steel



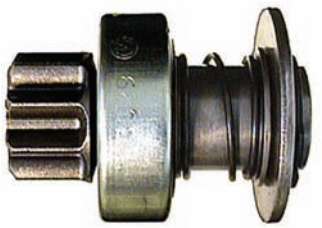
132842 Drive

Replacing: 17061-20

Servicing: MOA12-13; moa12-8

O.D. 25.30, **I.D.** 11.35, **L.** 71.00, **No. of teeth** 9, **Splines** 6, **Rotation** CR, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



136645 Drive

Replacing: 9001336208; 10612-5
Servicing: mta12-7; MTA12-H24; MTA12P-7
O.D. 25.00, **I.D.** 11.60, **L.** 59.40,
No. of teeth 9, **Splines** 6, **Rotation** ACR,
Drive type Steel

Drive Parts

Pkg 100



134763 DP Gasket

Th. 2.00, **Material** Rubber

Levers



133873 Lever

Replacing: 32138-1; 33804-1
Servicing: mok12-1
L. 79.00, **Lever** 1

Clutches



130329 Clutch

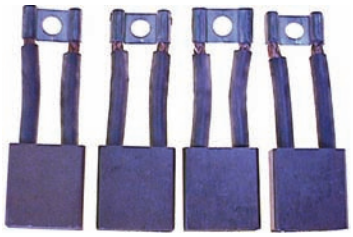
Replacing: 2006401900; 2009999036; 02982; 74350261; 15475-1
Servicing: 0001501001; -3; -5; -14; -15; -19; -20; -35; -39; -42; 63211627; -65; -69; -77; BPD6/24AR163; -80;

Brush Sets



bsx124 Brush Set

Replacing: 1007014100; 13784-27
Servicing: 0001354004; -5; -16; -18; -27; -29; -31; -38; -55; -64; -77; -79; -80; -82; -85; -86; -88; -89; -90
V. 6/12, **L.** 25.65, **Th.** 8.90, **H.** 12.95,
No. of brushes 4
Assort. 803018



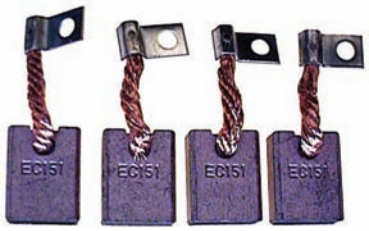
bsx444 Brush Set

Replacing: 2007014006; 13784-29; -83
Servicing: 0001356003; -8017; -8018; -8026; -8035; -8038; -8047; -8048; -8049; -8050; -8051; B001804003; MOE12
V. 12, **L.** 22.65, **Th.** 7.80, **H.** 21.65,
No. of brushes 4



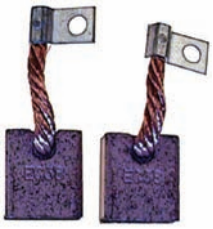
fesx25-262 Brush Set

Replacing: 13784-84
Servicing: MOB12-2
V. 12, **L.** 17.95, **Th.** 5.95, **H.** 15.95,
No. of brushes 2



jsx134 Brush Set

Replacing: 9084040; 13784-59; 13784-7; 4045771; 4475185; 16.905.218; 74866041; 74874701
Servicing: MTD12-1; MTD12-14; -8; -9; MTR12-1; -6; -24-2; -24-7
V. 12, **L.** 19.90, **Th.** 6.95, **H.** 15.85,
No. of brushes 4
Assort. 803021



jsx162 Brush Set

Replacing: 13784-37; 4114432; 4255496; 16.905.108; -421; 74861781; 74868181
Servicing: 11.130.007; -29; -34; -85; -102; -155; -162; -166; -217; -218; -219; -234; -292; 63220700; -32; -35
V. 12, **L.** 18.95, **Th.** 7.95, **H.** 16.90,
No. of brushes 2
Assort. 803021



jsx52 Brush Set

Replacing: 8084046; 13784-5; 13784-68; 4259228; 16.905.225; 74868171

Servicing: 11.130.134; -43; -266; -314; 63201000; -1; -2; -3; -4; -5; -101; -20107; -20108; -20137; -20138; -2

V. 6, **L.** 16.99, **Th.** 5.95, **H.** 15.90,
No. of brushes 2
Assort. 803021

Bushings

Pkg 10



140155 Bearing Bushinging

Replacing: 12665-12

Servicing: MOA12-10; -3; MOA12-2; -B12-1; -B12-2; -K12-1; MTA12-19; -37; -43; MTV12-3

Collar O.D. 16.50, **O.D.** 14.00, **I.D.** 10.00, **L.** 13.00, **Material** Copper

Pkg 10



140156 Bearing Bushinging

Replacing: 3305-13

Servicing: 63201002; -4; -20107; -20108; MOA12-10; -3; MOA12-2; -B12-1; -B12-2; -K12-1; MTA12-1; MTA12-13; -4;

O.D. 14.00, **I.D.** 10.00, **L.** 13.50, **Material** Copper

Pkg 10



140269 Bearing Bushinging

Replacing: 3835-38; 9938364; -8; 74887310; 140269

O.D. 16.00, **I.D.** 12.00, **L.** 16.75, **Type** Standard, **Material** Copper
Assort. 803020

Pkg 10



140436 Bearing Bushinging

Replacing: 3305-10; 17.120.203

Servicing: 11.130.007; -29; -34; -85; -102; -155; -162; -166; -209; -217; -218; -219; -234; -292; -293; -300;

O.D. 16.00, **I.D.** 12.00, **L.** 15.80, **Type** Standard, **Material** Copper

Pkg 10



140627 Bearing Bushinging

O.D. 13.40, **I.D.** 11.60, **L.** 12.30, **Material** Copper

Pkg 10



140628 Bearing Bushinging

O.D. 16.05, **I.D.** 14.50, **L.** 25.75, **Material** Steel

Pkg 10



140690 Bearing Bushinging

O.D. 13.45, **I.D.** 11.50, **L.** 23.05, **Material** Copper
Assort. 803020

Sundry Parts



231001 Washer Kit

Replacing: 24460-m8011; m900x02471; md607896

Servicing: 23300-01E12; -3; -3E11; -H610; -18V10; -41B10; -41B15; -41B71; -53J10; -53J15; -60S10; -73C10; -73Y

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Armatures



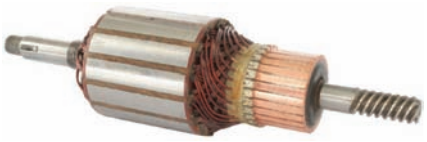
130210 Armature

Replacing: 54257635; tjb106; C5NF11005C
Servicing: M50. 26211A; -L
V. 12, **kW.** 2.8, **Core OD** 84.00, **Shaft L.** 303.30, **Splines** 3, **Rotation** CR
Commutator: Cargo b138688.



130554 Armature

Replacing: 1945840; 1953233; 7M8651; AR89421; SM451
Servicing: 50MT. 10478800; -43; -44; -45; -48; -49; -50; -51; -52; -54; -55; -56; -59; -60; -61; -63; -64; -65;
V. 24, **Core OD** 96.00, **Shaft L.** 482.60, **Splines** 19, **Rotation** CR
Short shaft.



130826 Armature

Replacing: 54216228; -753; 54218417; uwb106; C5NF10027B
Servicing: C40T. 22700; -55; 22755A; -H; 22756; 22756A; -H; 22757; 22757A; -H; 22758; 22758A; -E; -64A; -64E
V. 12, **Core OD** 60.50, **Shaft L.** 238.20
11/22 Amp.



132743 Armature

Replacing: d0nf11005b; sm341
Servicing: C6FF11001C; C9FF11001A; D0FF11001C
V. 12, **Core OD** 74.55, **Shaft L.** 260.20, **Splines** 12
4½" DD.



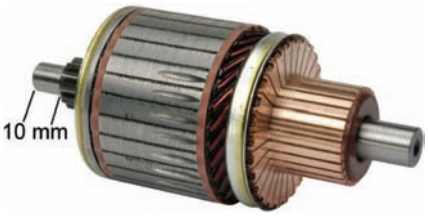
132744 Armature

Replacing: sm322; -07; sm307a; sm318; d0az11005a; d0tz11005a; d5az11005a; d6tz11005a; d7az11005a; sm335a; C4OZ1
Servicing: C2AF11001A; C8VF11000A
V. 12, **Core OD** 74.55, **Shaft L.** 236.70, **Splines** 12, **Rotation** CR
4½" DD.



132747 Armature

Replacing: e2bz11005a; sm456
Servicing: E25F11001AA; E2BF11001AA
V. 12, **Core OD** 64.40, **Shaft L.** 236.50, **Splines** 12, **Rotation** CR
4½" DD.



136634 Armature

Replacing: e90z11005a; F2PZ11005A; E9OZ11005A; SM475
Servicing: e90f11000aa; -ba; e9sf11000aa; -ba; f02f11000aa; F68U11000AC; f7pu11000da; -LA; f7pz11002da; F87U11
V. 12, **Core OD** 55.43, **Shaft L.** 129.10, **No. of teeth** 11, **Rotation** CR/ACR
Gear shaft: Cargo 136637.



139352 Armature

Replacing: f4tz11005a; sm461
Servicing: f4pu11000aa; f4tz11002a; m8t50071; -171
V. 12, **kW.** 2.5, **Core OD** 53.45, **Shaft L.** 170.40, **Splines** 13



139646 Armature

Replacing: e5pz11005a; m106x29271; -2; m106x41971
Servicing: e3tz11002a; e5tz11002b; e8tz11002a; M3T66572; -7171; -7172; -7281; -7671; -7771; -90071; -90072; -9
V. 12, **kW.** 2.5, **Core OD** 60.00, **Shaft L.** 177.50, **Splines** 9



230739 Armature

Replacing: xc1u11005aa

Servicing: 97bb11000bb; -c; 97vb11000aa; -b; 98ab11000ac; 98vb11000b1a; -3a; 98VB11000BA

V. 12, **kW.** 1.9/2.2, **Core OD** 54.00, **Shaft L.** 156.00, **No. of teeth** 11

Commutator: Cargo B233070.

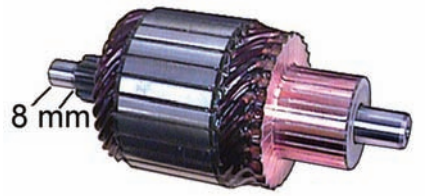


231080 Armature

Replacing: 236879; 231080

Servicing: 1s7u11000ab; -c; -D; 93bb11000aa; -b; -cb; -db; 96BB11000A4B; 96bb11000aa; -b; -c; 96fb11000md; 98A

V. 12, **Core OD** 44.00, **Shaft L.** 122.00, **No. of teeth** 9, **Rotation** CR



231138 Armature

Replacing: f2tz11005a; sm482

Servicing: e90f11000aa; -ba; e9sf11000aa; -ba; f02f11000aa; F68U11000AC; F7PU11000BA; -ea; F7PZ11002A; f7pz110

V. 12, **Core OD** 55.30, **Shaft L.** 127.15, **Splines** 11

Gear shaft: Cargo 231139.



231471 Armature

Replacing: f4xy11005a; n327-18-x60-a; m106x07271; m106x50571; m106x58171; 23310-60u10; -2; 23310-97e11; 1049243

Servicing: 12560972; 23300-60U11; -2; 24506694; 9000836; -7; -41; -42; -54; -57; -58; M1T74081; m1t74081a; m1t

V. 12, **kW.** 1.7/2.0, **Core OD** 54.00, **Shaft L.** 143.55, **No. of teeth** 11, **Rotation** CR/ACR

Commutator: Cargo B237791.



234346 Armature

Replacing: e4fz11005a; sa748; -9

V. 12, **Core OD** 56.00, **Shaft L.** 170.30, **Splines** 9

235633 Armature

Replacing: 52110005; b6a11005b; -c; fac11005b; sm256; -315

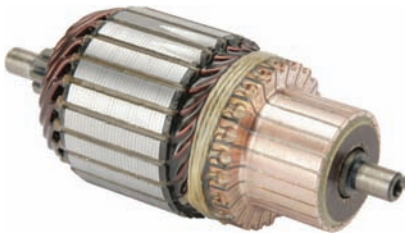
V. 6, **Core OD** 74.70, **Shaft L.** 335.30

235634 Armature

Replacing: b6a1005b; -c; c1tf10005a; c1tz10005a; fas10005b; gm218; gm20

V. 12, **Core OD** 76.20, **Shaft L.** 218.70

30 Amp



235725 Armature

Replacing: 235725; res10382

Servicing: 2s6u11000eb; 2T1411000BA; -B; -C; 3M5T11000AC; -D; -e; 3s7t11000ac; -D; 4m5t11000aa; -B; -c; 6g9n11

V. 12, **kW.** 1.1, **Core OD** 44.36, **Shaft L.** 110.53, **Splines** 9

235749 Armature

Servicing: 1C2411000AA; 1C2Z11002AA; 1c3u11000aa; -B; -C; -D; -E; 1C3Z11002AA; 2C2411000AA; 2C3T11000AA; 2C3Z1

V. 12, **kW.** 3.6, **Shaft L.** 75.70, **Splines** 9

Yokes



231461 Yoke

Replacing: F4TZ11K192A; F5TZ11K192A

V. 12, **kW.** 2.5, **O.D.** 85.40, **L.** 94.15, **Brush gear** w/o, **Magnets** w/o

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Yokes w/magnets



230740 Field Case

Replacing: f7ru11075aa1

Servicing: 97vb11000aa; -b; 98vb11000b1a; -3a; 98VB11000BA

V. 12, **kW.** 2.2, **O.D.** 79.00, **L.** 128.00, **Brush gear** w/o, **Magnets** With



231145 Field Case

Replacing: e90z11075a; E9OZ11075A

Servicing: F68U11000AC; f7pu11000da; f7pz11002da; F87U11000A1A

O.D. 77.90, **L.** 97.65, **Brush gear** w/o, **Magnets** With

Field Coils



135338 Field Coil

Replacing: 1891918; 1955951; 1956384; 1978123; 1986457; -819; 1988951; e3pz11062a; 138132; 1956348

Servicing: 20MT, 27MT. 1107506; -8; -9; -10; -11; -12; -14; -16; -17; -18; -19; -20; -21; -22; -23; -24; -25; -

V. 12, **H.** 130.40, **Brush gear** w/o



232893 Field Coil

Replacing: E2ZZ11082A; E3BZ11082A; E2BZ11082A; SC544; e2bz-11082-a

Servicing: E25F11001A; E25Y11002A; E2BF11001AA; E2BZ11002A; E37F11001A; E3AF11001A; e3az11002a; e3tf11001aa; E

V. 12, **H.** 104.45, **Brush gear** w/o



232894 Field Coil

Replacing: E3FZ11082A; E6FZ11082A; SC549; -58; E2FZ11082A; SC547; e2fz-11082-a

Servicing: E1EF11001AC; -D; E1FZ11002A; -B; E3EF11001AA; E3FZ11002A; e3tz11002e; e43f11001aa; E43Z11002A; e47f

V. 12, **H.** 101.20, **Brush gear** w/o



232895 Field Coil

Replacing: SC534; C5NF11082A; C6VY11082A; C8AZ11083A; c6vy-11082-a

Servicing: c30z11002c; c40f11001b; c4tf11001b; c5af11001a

V. 12, **H.** 101.50, **Brush gear** w/o



232896 Field Coil

Replacing: D3AZ11082B; -C; SC512; -405; -35; C8VF11082A; C8VY11082A; D2AF11082AA; c8vf-11082-2

Servicing: c8vy11002c; c9af11001a; d2af11001ea; d2vf11001aa

V. 12, **H.** 95.40, **Brush gear** w/o



232897 Field Coil

Replacing: SC526; -8; D70Z11082A; D7AZ11082A; -B; SC523; d7az-11082-a

Servicing: d70z11002a; D7AZ11002A; -B; D7DZ11001BA; D7DZ11002A; -B; d7tz11002a; d80f11001aa; D8AF11001AA; -BA;

V. 12, **H.** 83.50, **Brush gear** w/o



232898 Field Coil

Replacing: E6DZ11082A; SC563; e6dz-11082-a

V. 12, **H.** 104.30, **Brush gear** w/o



232899 Field Coil

Replacing: SC559; E4AZ11082A; E4SZ11082A; SC555; e4ax-11082-a
Servicing: 3242283; E25Y11002A; E25Z11002A; E3AF-11001-AA; E3TZ-11002-D; E4DF-11001-AA; -BA; E4TZ11002B; E6DF1
V. 12, **H.** 101.00, **Brush gear** w/o
High torque.



232900 Field Coil

Replacing: 59-207; C0DF11082A; C6VY11082B; c0df-11082-a
Servicing: c20z11002a; -B; c5tf11001a; C5TZ11002D; d40z11002a; d60z11002a; d6tf11001da; MDO4108; mgl4008
V. 12, **H.** 108.90, **Brush gear** w/o



233401 Field Coil

Replacing: D80F11082AA
V. 12, **H.** 97.90, **Brush gear** w/o

C.E. Brackets



230897 C.E. Bracket

Servicing: 98VB11000AB

Bearing: Cargo 140222.



231142 C.E. Bracket

Replacing: e90z11049a; f2tz11049b; sh220; -3; F2TZ11049A; F2PZ11049A
Servicing: F68U11000AC; F7PU11000BA; -da; f7pz11002ba; -da; F87U11000A1A



232490 C.E. Bracket

Replacing: e5pz11049a; m644b20701
Servicing: 34766-20901; M3T54071; -6071; -6072; -6076; -6082; -6174; -6181; -6182; -6183; -6272; -6471; -7371;
I.D. 84.50



232491 C.E. Bracket

Replacing: f4tz11049a
Servicing: M8T50071
I.D. 77.04



232527 C.E. Bracket

Replacing: sh172; SH172A; C30Z11049A; C4TZ11049A; -B

w/ springs. Brush set: Cargo 140548.



232568 C.E. Bracket

Replacing: sh210; -3; E4TZ11049A; E6DZ11049A; e4tz-11049-a
Servicing: E3EF11001AA; E3FZ11002A; e3tz11002e; E43F11001A; E43Z11002A; e47f10001aa; E47F11001AA; E4EF11001BA;



232569 C.E. Bracket

Replacing: sh205; -6; E3SZ11049A; E4AZ11049A; e3sz-11049-a
Servicing: e4af11001aa; E4DF-11001-AA; -BA; e4df11001ba; e4dz11002b; e4tf11001aa; e4tz11002a; -B; E7ZF11001A;



233039 C.E. Bracket

Replacing: E2BZ11049A; SH195
Servicing: E25F11001AA; E25Z11002A; E2BF11001AA; E2BZ11002A; E37F11001A; E3AF-11001-AA

Support bracket: Cargo 233040.



233170 C.E. Bracket

Replacing: sh183; D7AZ11049A; d7az-11049-a

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



235114 C.E. Bracket

Servicing: 1s7u11000ba; -b; -C; yc1u11000ab; -c
I.D. 80.00



237612 C.E. Bracket

Servicing: yc1u11000ad; -E; -f
I.D. 22.00

D.E. Brackets



231152 D.E. Bracket

Replacing: f3rz11130a; se350
Servicing: 93bb11000hb; f3rz11002a; sa-813

Needle bearing: Cargo 140242.



231153 D.E. Bracket

Replacing: f3rz11130b; se351
Servicing: 93bb11000jb; f3rz11002b; sa-814

Needle bearing: Cargo 140242.



231210 D.E. Bracket

Replacing: f3rz11130c; se352
Servicing: 93bb11000ka; -b; f3rz11002c; sa-815

Needle bearing: Cargo 140242.



232489 D.E. Bracket

Replacing: f5tz11130a
Servicing: M8T50071



232528 D.E. Bracket

Replacing: e4az11130a; se276
Servicing: E25F11001AA; E25F11002A; E3AF11001A; e3az11002a; e4af11001aa; e4df11001ba; e4dz11002b; SA734B



232529 D.E. Bracket

Replacing: e4dz11130a; se275; se275a
Servicing: E3TZ-11002-D; E4BZ11002A; E4TZ11002B; E7ZZ11002A



232541 D.E. Bracket

Replacing: D1AZ11130C; SE73B; D00Z11130A; C20Z11130A
Servicing: C20Z11002B; d40z11002a; d60z11002a; d70z11002a; E1HZ11002A



232542 D.E. Bracket

Replacing: D1AZ11130D; SE130A; D0TZ11130A; C5TZ11130A; c5tz-11130-a
Servicing: C5TZ11002D; d2af11001da; D4TZ11002A; -d; d5tf11001aa; -da; d6tf11001da; D6TZ11001DA; d6tz11002d; d7



232543 D.E. Bracket

Replacing: se133; D7AZ11130A; d7az-11130-a
Servicing: d1az11002a; d2af11001aa; -ja; d5af11001ea; d5az11002c; D7AZ11002A; D8AF11001AA



232554 D.E. Bracket

Replacing: se326; F2TZ11130B; f2tz-11130-b

Servicing: F2TU11000AA; -BA; F2TZ11002A; -B; F7PU11000FA; -GA; F7PZ11002FA; -GA

Needle bearing: Cargo 140242.



232555 D.E. Bracket

Replacing: se355; F50Y11130A; f50y-11130-a

Servicing: F50U11000AA; F50Y11002A; F5OU11000AA; F6DU11000A; F6DZ11002A; YF1U11000BA

Needle bearing: Cargo 140242.



232556 D.E. Bracket

Replacing: se279; SE279A; E3TZ11130A; E4TZ11130A; e3tz-11130-a

Servicing: e3tf11001aa; e3tz11002a; e4tf11001aa; e4tz11002a



232557 D.E. Bracket

Replacing: se347; F3DZ11130B; f3dz-11130-b

Servicing: F3DU11000BA; F3DZ11002B; f7pu-11000-ja; F7PZ11002JA



232558 D.E. Bracket

Replacing: se295; -302; E6DZ11130B; -A; e6dz-11130-a

Servicing: E6DF11001AA; E6DZ11002A; -C; E7DF11001AA



232559 D.E. Bracket

Replacing: se359; F67Z11130AA; f67z-11130-aa

Servicing: F671002AA; F67U11000AA; F67Z11002AA; F87U11000CA; F87Z11002CA; F89Z11002CA



232561 D.E. Bracket

Replacing: se290; E6FZ11130A; e6fz-11130-a

Servicing: E6EF11001AA; E6FZ11002A



232562 D.E. Bracket

Replacing: se282; -306; E43Z11130A; E8DZ11130A; e43z-11130-a

Servicing: E43F11001A; E43Z11002A; E69F11001A; E69Z11002A; E6DF11001BA; E6DZ11002B; E8DF11001AA; E8DZ11002A



232563 D.E. Bracket

Replacing: se283; E3TZ11130C; e3tz-11130-c

Servicing: e3tz11002e; E47F11001A



232564 D.E. Bracket

Replacing: 83500398; E3FF11130AA; e3ff-11130-aa

Servicing: 3242283; 8982775012; JR775012



232566 D.E. Bracket

Replacing: se265; E1AZ11130B; e1az-11130-b

Servicing: e1af11001ba; E1AZ11002B; e2sf11001aa; e2sz11002a

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



232567 D.E. Bracket

Replacing: D0AZ11130A; -B; D1AZ11130B; D5TZ11130A; D6AZ11130B; SE129A; C30Z11130E; C6AZ11130B; C6VY11130A; c30z

Servicing: c30z11002c; d20f11001aa; -ba; d6bf11001ba; D6DZ11002B; D7DZ11002B; D8BF11001BA



232570 D.E. Bracket

Replacing: se268; E1TZ11130C; e1tz-11130-c

Servicing: E1TF11001CA; E1TZ11002C

Needle bearing: Cargo 140242.



232571 D.E. Bracket

Replacing: se309; -31; E90Y11130A; F20Y11130A; e90y-11130-a

Servicing: e90f11000aa; -ba; e90y11002a; -b; f0ou11000aa; F0OY11002A; f23u11000aa; f23z11002a; f2du11000aa; -b



232572 D.E. Bracket

Replacing: se317; -33; F02Z11130A; F22Z11130A; f02z-11130-a

Servicing: f02f11000aa; f02u11000aa; f02z11002a; F13U11000AA; f13z11002a; f4fu11000aa; F89U11000AA; F89Z11002A



232573 D.E. Bracket

Replacing: se310; -32; E9SZ11130A; F2SZ11130A; e9sz-11130-a

Servicing: e9sf11000aa; -ba; e9sz11002a; -b; F7FZ11002AA



232574 D.E. Bracket

Replacing: se318; -28; F0FZ11130A; F2CZ11130A; f0fz-11130-a

Servicing: F0CF11000AA; F0CU11000AA; -B; -1AA; -1AB; F0FZ11002B; F4CU11000AA; F7PU-11000-AA; F7PZ-11002-AA



232575 D.E. Bracket

Replacing: se314; F0TZ11130A; F0TZ-11130-A

Servicing: F07U11000AA; F0TZ-11002-A; F87U11000BA; F87Z-11002-BA



232576 D.E. Bracket

Replacing: se315; F0TZ11130B; f0tz-11130-b

Servicing: F07U11000BA; F0TZ11002B; F7PU11000KA; F7PZ11002KA



232577 D.E. Bracket

Replacing: se323; F1TZ11130A; f1tz-11130-a

Servicing: f17u11000ab; f1tz11002a; F87U11000A1A; F87U11000AA; F87Z11002AA



232578 D.E. Bracket

Replacing: se322; -30; F1VY11130A; F2VY11130B; f1vy-11130-a

Servicing: f1vu11000aa; f1vy11002a; F7PU11000BA; F7PZ-11002-BA



232579 D.E. Bracket

Replacing: se319; -29; F0FZ11130B; F2CZ11130B; f0fz-11130-b

Servicing: F0CF11000BA; F0CU11000BA; -1BA; F0FZ11002A; F4CU11000BA; F7PU11000LA; F7PZ11002LA



232580 D.E. Bracket

Replacing: se327; F2TZ11130C
Servicing: F2TU11000CA; F2TZ11002C; F7PU11000HA; F7PZ11002HA



232581 D.E. Bracket

Replacing: se335; F2HZ11130B; f2hz-11130-b
Servicing: F2HT11000BA; F2HZ11002B; F7PZ-11002-EA

Needle bearing: Cargo 140242.



232582 D.E. Bracket

Replacing: se325; F2TZ11130A; f2tz-11130-a
Servicing: F2TU11000AA; F2TZ11002A; F7PU11000FA; F7PZ11002FA



232583 D.E. Bracket

Replacing: se324; F2VY11130A; f2vy-11130-a
Servicing: F2VU11000AC; -D; F2VY11002A; F3LU11000AA; F4LU11000AA; F6VU11000AA; F75U11000AA; F7LU11000BA; F7LZ1



232584 D.E. Bracket

Replacing: se334; F2HZ11130A; f2hz-11130-a; F2HU11130AA
Servicing: F2HT11000AA; F2HZ11002A; f7pu11000da; F7PZ-11002-DA; f7pz11002da

Needle bearing: Cargo 140242.



232958 D.E. Bracket

Replacing: se254; D8BZ11130A; d8bz-11130-a
Servicing: D8BF11001CA; D8BZ11002A



232959 D.E. Bracket



234743 D.E. Bracket

Replacing: f81u11130aa; -1aa
Servicing: F81U11000AA; -B; -C; -D; -E; F81Z11002AA; yc3u11000aa

---



234989 D.E. Bracket

Servicing: 1s7u11000ba; -b; -C; 2S7T11000DA; yc1u11000ab; -c

I.M. Brackets



232488 I.M. Bracket

Replacing: e5pz11130b
Servicing: M3T90071; -2; -5082; -5171; -5172

Solenoids



130499 Solenoid

Replacing: 3202630; 3204049; 3205022; 1114250; -1; -2; -3; -5; -6; -7; -63; -64; -66; -68; -70; -71; -72; -73;
Servicing: 10MT, 20MT, 25MT, 27MT. 10455308; -9; -10; -11; -22; -35; 1107201; -4; -23; -24; -28; -29; -42; -50;
V. 12, **B+** M10
Grounded base. Cap: Cargo 130497.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



131142 Solenoid

Replacing: 0331402023; -9; SH222

Servicing: 0001359104; -9; -10; -26; -27; -62067; -62082; -67006; -67022; -67035; -67055; -67056; -67069; B001

V. 12, **B+** M8, **Coil bolt** M10

Cap: Cargo 131319.



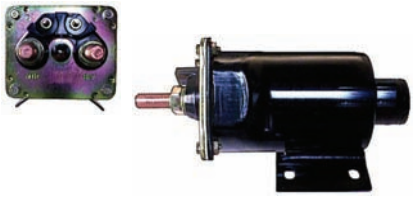
131189 Solenoid

Replacing: 0331402027; -8; -96; -528; zm-653; 78gb11390aa

Servicing: 0001362044; -5; -61; -79; -81; -602; -603; -606; -607; B001812311; -23; -24; -49; -422; -426

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133159.



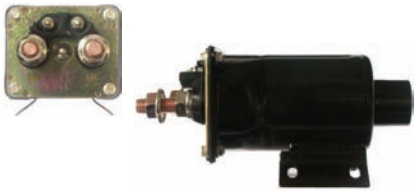
131363 Solenoid

Replacing: 7l6586; 3603870rx; 3604230rx; 1115556; -65; -75; 1119835; -53; -79; e1hz11390a; zm-951; C3TS11390A;

Servicing: 40MT, 50MT. 10461041; -5; -6; -8; -59; -60; -61; -78813; -78877; -78881; -78910; -78917; 1109295; -5

V. 12, **B+** M14-1.5, **Coil bolt** M14-1.5

Insulated base. Cap: Cargo 135323.



131364 Solenoid

Replacing: 1p9181; 4m1812; 4r7057; 8l5071; 3603869rx; 3604231rx; 1115526; -44; -47; -48; -57; -59; -76; -607; 1

Servicing: 40MT, 50MT. 10461047; -78846; -78848; -78850; -78851; -78852; -78853; -78855; -78856; -78859; -78860

V. 24, **B+** M14-1.5, **Coil bolt** M14-1.5

Insulated base. Squareface. Cap: Cargo 131368.



131369 Solenoid

Replacing: 1115593; e6hz11390b; -c; zm-456; 1115645

Servicing: 42MT. 10478801; -2; -3; -4; -10; -94; -962; -964; -966; -967; -978; -983; -992; -997; -9000; -9018;

V. 12, **B+** ½"- M13, **Coil bolt** 0.50"- M13

Insulated base. Cap: Cargo 135324.

Solenoid w/ plunger: 234476.

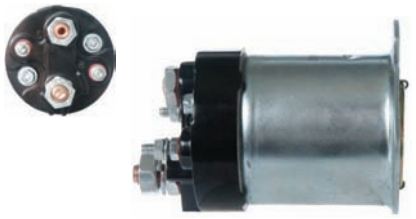


131396 Solenoid

Replacing: d3tz11390a; d3vy11390a; d5az11390a; d6vz11390a; C8VY11390A

Servicing: C8VF11000A; c8vy11002c; c9af11001a; D2AF11001ER

V. 12, **B+** M10



131590 Solenoid

Replacing: 8133925; 1114514; -5; -7; -8; -24; -26; -29; -30; -31; -57; -62; -64; -66; -69; -71; d913a; d984; -7

Servicing: 5MT, 22MT. 10455001; -4; -6; -7; -8; -9; -15; -16; -17; -18; -19; -20; -21; -22; -23; -24; -44; -45;

V. 12, **B+** M10, **Coil bolt** 3/8" UNC

Grounded base. Cap: Cargo 137809.



132473 Solenoid

Replacing: e3tz11390a; 8599-24-736; m372x04171; zm-891

Servicing: M2T51082; -805; -4371; -4372; -7271; -7273; -7771; -7773; -60071; -60072; -60172; -60671; -61072; -

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 134625.



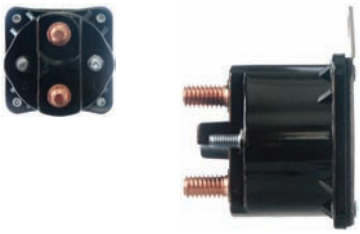
133043 Solenoid

Replacing: E2NN11390AA; 2130-17004; 2130-8700; zm-783; 2130-57004; -12; 2130-67004

Servicing: S12-62; S13-138; s13-138a; S13-32; S13-32A; S13-61; S13-61A; S13-74; -86; -87

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133276.

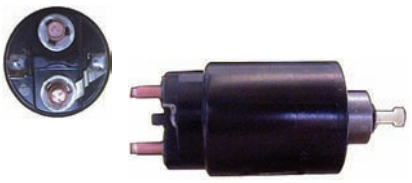


133856 Solenoid

Replacing: 813839; 981419; 982187; -9; 985063; -4; 15-394; 15-3f; 15-411; -20; -44; -86; SAZ-4201BBY; SAZ-4201B

V. 12, **Amp.** 100, **B+** M8, **Intermittent load** 800amp, **Coil bolt** M8

3.95-4.15 coil resistance.



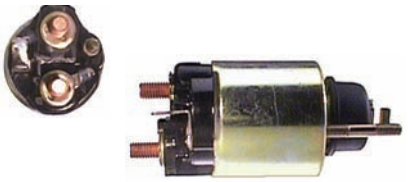
136632 Solenoid

Replacing: e90z11390a; -b; f02z11390a; F3VY11390A; F4DZ11390A; zm-760; E02Z11390A; SW2188; -207; -245; -502; SW

Servicing: e90f11000aa; -ba; e9sf11000aa; -ba; f02f11000aa; f07u11000aa; -ba; F0CF11000AA

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 137582.

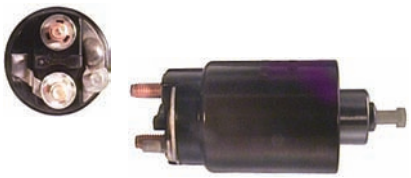


137720 Solenoid

Replacing: 81AB11390BA

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131291.



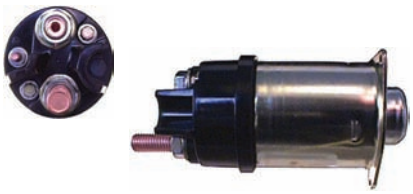
138496 Solenoid

Replacing: f3rz11390a; -b; f78z11390aa; sw2506; -7; xs6u11390aa; xs7u11390aa; SW5204; zm-761; e3rz11390a; zm-17

Servicing: 98VB11000BA; f3rz11002a; -b; -c; F50Y11002A; F68U11000AC; sa-813

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 138497. Contact: Cargo 137529.



139209 Solenoid

Replacing: 1115609; d904a; e7hz11390b; sw2157; zm-452

Servicing: 37MT. 10478806; -9036; -9068; 1990309; -10; -13; -15; -16; -17; -20; -498; -3705; -3713; -3736; -373

V. 12, **B+** 1/2"UNC, **Coil bolt** 1/2"UNC

Cap: Cargo 232014. Switch terminal: 10-32 UNF.



139614 Solenoid

Replacing: e5pz11390a; m372x06971; zm-890

Servicing: M3T90071; -2

V. 12, **B+** M10, **Coil bolt** M8



231178 Solenoid

Replacing: f6vz11390aa; sw5203; zm-762; SW5112; zm-1762

Servicing: F6VU11000AA; F75U11000AA; F7LU11000BA; f7pu-11000-aa; -da; -ea; F7PU11000BA; -CA; -da; -FA; f7pz110

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 231180.



231179 Solenoid

Replacing: f75z11390aa; sw5189; zm-2762; f8zz11390aa; -b; -BA

Servicing: F75U11000AB; F7UZ1002AA; F81U11000AA; -C; F81Z11002AA

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 231180.



231454 Solenoid

Replacing: m375x00371; 23343-om210; F4XY11390A; 23343-0b710; 23343-0m210

Servicing: 23300-1M210; M0T80281; M0T80281A; M1T64285

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 231107.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



231457 Solenoid

Replacing: zm-892; f4tz11390a; m372x06171
Servicing: M2T54471; m8t50071; -70471; -70971
V. 12, **B+** M10, **Coil bolt** M8
Cap: Cargo 231458.



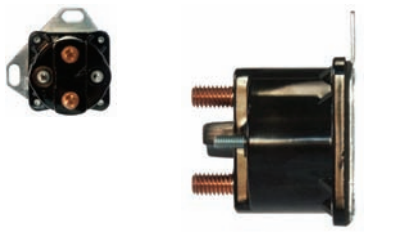
231914 Solenoid

Replacing: 1115610; sw-2114; zm-453; sw2114
Servicing: 37MT. 1993767; -854
V. 12, **B+** M14, **Coil bolt** M14
Cap: Cargo 232028.



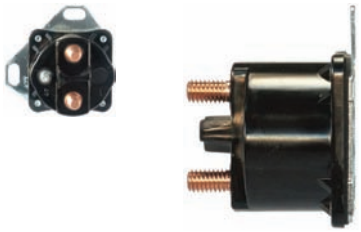
231924 Solenoid

Replacing: 1115596; zm-466; E6HZ11390A
Servicing: 37MT. 1990347
V. 12, **B+** M14-1.5, **Coil bolt** M10
Cap: Cargo 232037.



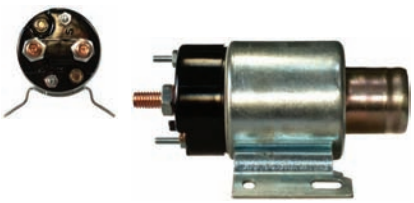
231930 Solenoid

Replacing: d8vy11450a; sw1533a; -c; E5AZ11450A; E8T211450B; E9TZ11450A; E8TZ11450A; e5az-11450-a; ETTZ11450A; b
V. 12, **Amp.** 100, **B+** M8,
Intermittent load 800amp, **Coil bolt** M8



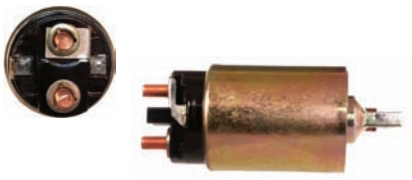
232220 Solenoid

Replacing: E5TZ11450A; E7TZ11450A; SW1951A; -B; -C; e5tz-11450a
V. 12, **Amp.** 100, **B+** M8,
Intermittent load 800amp, **Coil bolt** M8



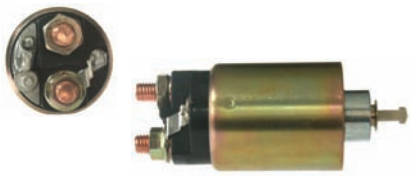
232221 Solenoid

Replacing: 1115582; 1119883; d953; -85; C6TZ11390A
Servicing: 30MT 1113001; -6; -34; -38; -40; -49; -50; -52; -53; -56; -81; -104; -106; -165; -302; -303
V. 12, **B+** M10, **Coil bolt** M10
Cap: Cargo 232222.



233123 Solenoid

Replacing: m372x04471; E5TZ11390A
Servicing: M2T60371
V. 12, **B+** M8, **Coil bolt** M8



233890 Solenoid

Servicing: 1C2411000AA; 1C2Z11002AA; 1c3u11000aa; -B; -C; -D; -E; 1C3Z11002AA; 2C2411000AA; 2C3T11000AA; 2C3Z1
V. 12, **B+** M10, **Coil bolt** M10



235437 Solenoid

Replacing: 2339402147; bf9t11390ab
Servicing: 1223505
V. 12



236961 Solenoid

Servicing: f8ru11000aa; -ca
V. 12, **B+** M8

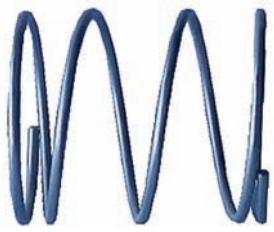
239797 Solenoid

Servicing: 3M5T11000AC; -D; 4m5t11000aa
V. 12, **B+** M8

Solenoid Parts

Coils

Pkg 5



230430 Plunger Spring

Replacing: 1958679; 1978281; e4fz11103a; SZ799
Servicing: 5MT, 10MT, 15MT/GR, 20MT, 22MT, 25MT, 27MT. 10455001; -4; -6; -7; -8; -9; -15; -16; -17; -18; -19; -
O.D. 44.35, **L.** 51.85



233020 Contact Kit

Replacing: C20Z11134A; c20z-11134-a

4½" DD.



233021 Contact Kit

Replacing: sz-750; sz750; C20Z11134B; -C; c20z-11134-b

4½" DD.



233022 Contact Kit

Replacing: SZ693; d1fz-11134-a

4½" DD.

Solenoid Caps

Pkg 5



135324 Solenoid Cap

Replacing: zm-45696; 135324

Servicing: 42MT. 1115593; e6hz11390b; -c

O.D. 76.60, **No. of leads** 4

12V.



137582 Solenoid Cap

Replacing: zm-176096; zm-76096; 137582

O.D. 49.70, **No. of leads** 3, **Bracket type** Crimp

Gasket: Cargo 232942.



138497 Solenoid Cap

Replacing: zm-76196; 231695; 234036; 138497

Servicing: f3rz11390a; -b; F68U11000AC; f7pu11000da; f7pz11002da; F87U11000A1A

O.D. 49.30, **No. of leads** 3

Gasket: Cargo 232942. Moving contact: Cargo 137529.

Pkg 5



231180 Solenoid Cap

Replacing: zm-76296; zm-176296; zm-276096; 231180

Servicing: f6vz11390aa; f75z11390aa; F8ZU11390AA

O.D. 49.30, **No. of leads** 3



232014 Solenoid Cap

Replacing: zm-45287; -96; 232014

Servicing: 37MT. 1115609; E7HZ11390B

O.D. 76.50, **No. of leads** 3

Terminal 50: 0.5"-13 w/ 0.25"-20 internal thd. Terminal: 10.32.

Moving Contacts

Pkg 5



137529 Moving Contact

L. 27.65, **W.** 15.20, **Material** Copper

Pkg 10



233884 Moving Contact

L. 20.55, **Th.** 2.40, **Material** Copper

Gaskets

Pkg 10



330583 Dust Seal

Replacing: 330583

Servicing: 1s7u11000ba; -b; -C; -da; -db; -dc; yc1u11000ad; -f; -G

O.D. 36.00, **I.D.** 10.59, **Th.** 18.11

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Screws

Pkg 10



231140 Solenoid Screw

Thread L. 11.40, **L.** 38.25, **Thread** M6

Various



233019 Contact Kit

4½" DD.

Drives



130535 Drive

Replacing: 480197; -216; -427; -436; 481999; d6pf11a108ba; d6pz11350b; sd152; -64; -75; -76; 04231; 1.01.0053.0

Servicing: C8VF11000A; c8vy11002c; c9af11001a; D2AF11001ER

O.D. 25.10, **I.D.** 12.00, **L.** 72.00, **No. of teeth** 9, **Splines** 4, **Rotation** CR, **Drive type** Steel



130538 Drive

Replacing: 2525287; 10498623; 1852716; 1868355; 1876857; 1877355; 1933471; 1941119; -57; 1942950; 1950058; 1964

Servicing: 30MT. 10455316; -26; -31; -34; -37; -78830; 1107214; -34; -49; -90; -91; -300; -382; -511; -512; -51

O.D. 39.85, **I.D.** 14.30, **L.** 96.15, **No. of teeth** 10, **Splines** 3, **Rotation** CR, **Drive type** Steel

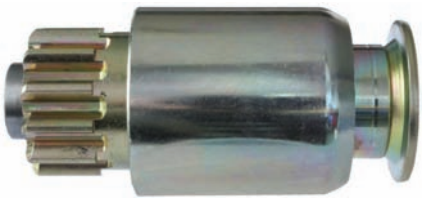


130539 Drive

Replacing: 852962; 1p2508; 1894211; 1935487; 1945487; 1952083; 1955777; 1960370; 1967779; 1976884; 800066; 8306

Servicing: 40MT, 42MT, 50MT. 10461041; -5; -7; -8; -78800; -78802; -78807; -78808; -78809; -78810; -78813; -788

O.D. 56.50, **I.D.** 15.90, **L.** 120.40, **Shaft L.** 15.90/5/8", **No. of teeth** 11, **Splines** 19, **Rotation** CR, **Drive type** Bronze



131056 Drive

Replacing: 1893560; 1894213; 1936647; 1946945; -57; 1948606; 1965514; 1970711; 1977005; 800068; 851073; 852762;

Servicing: 40MT, 42MT, 50MT. 10461046; -60; -61; -78803; -78804; -78860; -78864; -78869; -78903; -78918; -78931

O.D. 46.20, **I.D.** 15.90, **L.** 120.40, **Shaft L.** 15.90/5/8", **No. of teeth** 12, **Splines** 19, **Rotation** CR, **Drive type** Bronze



131399 Drive

Replacing: 480079; -204; -474; d1ry11350b; -c; d2ry11350b; d4ry11350a; d6pz11350a; d9pz11350a; e1pz11350b; sd30

Servicing: d12f11001aa; D1FF11001A; d1fz11002a; D22F11001A; D2FZ11002A

O.D. 25.10, **I.D.** 12.05, **L.** 62.00, **No. of teeth** 9, **Splines** 4, **Rotation** CR, **Drive type** Steel



131770 Drive

Replacing: 1893562; 1894214; 1947920; 1971167; 1977006; 800069; 10583; 480417; e480417; sd180; 1.01.0182.0; C8T

Servicing: 40MT. 10461059; -78820; -78985; 1113830; -52; -71; -73; -941; -988; -4052; -4077; -4094; -4101; -414

O.D. 49.20/1.937", **I.D.** 15.90, **L.** 120.40/4.740", **Shaft L.** 15.90/5/8", **No. of teeth** 13, **Splines** 19, **Rotation** CR, **Drive type** Steel

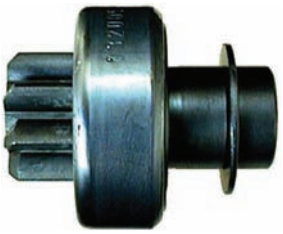


131986 Drive

Replacing: 2114-15550; 2114-25100; 2114-45504; tmj121; 23312-73y00; 23312-d0100; 1.01.0499.0; 2114-65016; 12419

Servicing: 114351-77011; 119226-77010; 23300-01E00; -18C03; -73Y01; -D0200; -V5202; -W0403; S114-319; -20; -48

O.D. 28.00, **I.D.** 12.40, **L.** 60.00, **No. of teeth** 8, **Splines** 10, **Rotation** CR, **Drive type** Steel

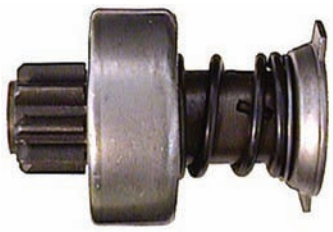


132005 Drive

Replacing: e7gz11350a; f4bz11350a; sde332; -49; m191t22071; -371; -771; -971; m191t23071; -471; md607894; 23312

Servicing: 23300-01E13; -41B71; -60S10; -73Y10; -T5072; -W0417; M2T13381; -30381; -30385; -30581; -30585; -305

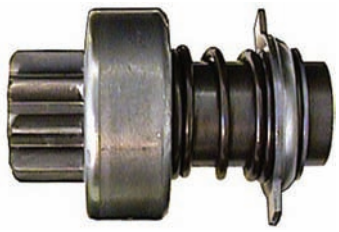
O.D. 28.00, **I.D.** 12.00, **L.** 56.00, **No. of teeth** 8, **Splines** 8, **Rotation** CR, **Drive type** Steel



132749 Drive

Replacing: sd312

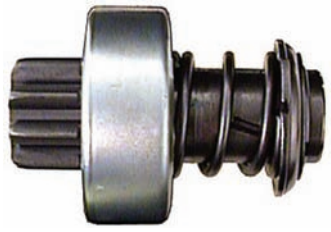
O.D. 25.07, **I.D.** 12.00, **L.** 72.00, **No. of teeth** 9, **Splines** 4, **Rotation** CR, **Drive type** Steel



132750 Drive

Replacing: E4EF11350AA; E4LF11350AA; e4fz11350a; e4ly11350a; ehef11350aa; sd323; -4; 1.01.0681.0

O.D. 28.70, **I.D.** 12.00, **L.** 70.00, **No. of teeth** 9, **Splines** 4, **Rotation** CR, **Drive type** Steel



132751 Drive

Replacing: e2bz11350a; e2pz11350a; sd320

O.D. 25.30, **I.D.** 12.00, **L.** 71.00, **No. of teeth** 9, **Splines** 4, **Rotation** CR, **Drive type** Steel

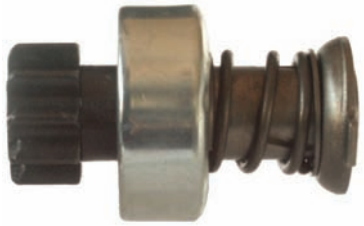


133507 Drive

Replacing: 1986244; 1987152; 10621; -39; e6hz11350a; 1.01.0625.0; 1.01.0755.0

Servicing: 37MT. 10478806; -14; -19; -90; -921; -928; -929; -930; -953; -957; -962; -976; -9015; -9016; -9020;

O.D. 39.50/1.555", **I.D.** 14.35, **L.** 99.00/3.898", **No. of teeth** 10, **Splines** 3, **Rotation** CR, **Drive type** Steel



133546 Drive

Replacing: 480098; -315; C7NB11350; C7NB11350A

Servicing: C7AF11350A

O.D. 33.00, **I.D.** 12.00, **L.** 74.30, **No. of teeth** 10, **Splines** 4, **Rotation** CR, **Drive type** Steel



133854 Drive

Replacing: 10456455; 10457056; -167; d2053; 1.01.0629.0; c8js11350a; SD303; 0-23500-0551

Servicing: 28MT. 10479604; -14; -15; -17; -18; -28; -34; 1113269; -70; -71; -76; -95; -96

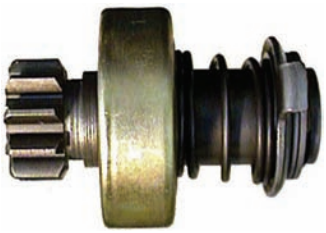
O.D. 31.80, **I.D.** 14.00, **L.** 85.00, **No. of teeth** 10, **Splines** 12, **Rotation** CR, **Drive type** Steel
W/ rubber seal.



133864 Drive

Replacing: 3207417; -524; 4486601; 8120193; a2000; 480168; -476; 1.01.0135.0; C6FF11350A; D6FF11350AA; 133907;

O.D. 28.80, **I.D.** 12.15, **L.** 77.50, **No. of teeth** 9, **Splines** 4, **Rotation** CR, **Drive type** Steel



133887 Drive

Replacing: 79AB11350AA

O.D. 27.00, **I.D.** 12.00, **L.** 68.00, **No. of teeth** 10, **Splines** 4, **Rotation** CR, **Drive type** Steel



134918 Drive

Replacing: e8bz11350a; f4bz11350b; sde334; -50; b301-18-x45; m191t26771; 1.01.0636.0

Servicing: M3T33081

O.D. 28.00, **I.D.** 12.00, **L.** 56.20, **No. of teeth** 8, **Splines** 8, **Rotation** ACR, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



136633 Drive

Replacing: f90z11350a; 1.01.0620.1; E90Z11350A; F5DZ11350A; 1.01.1124.0; E9OZ11350A; SD357; e5dz11350a

Servicing: e90f11000aa; -ba; e9sf11000aa; -ba; f02f11000aa; f07u11000aa; -ba; F0CF11000BA; F68U11000AC; F7PU11

O.D. 27.94, **I.D.** 12.00, **L.** 47.00,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



138209 Drive

Replacing: f3rz11350a; f5ru11350ra; sd-353; 1.01.0824.1; sd353; xs6411350aa

Servicing: 97bb11000bb

O.D. 26.80, **I.D.** 12.00, **L.** 47.00,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



139341 Drive

Replacing: 1.01.0907.0; 139341

Servicing: 97vb11000aa; -b; -BA

O.D. 46.60, **I.D.** 12.20, **L.** 47.00,
No. of teeth 13, **Splines** 12, **Rotation** CR,
Drive type Steel



139609 Drive

Replacing: e8pz11350a; sde339; m191t66271; m191x66271; 1.01.0669.0

Servicing: M3T90072

O.D. 39.50, **I.D.** 23.65, **L.** 109.20,
No. of teeth 13, **Splines** 10, **Rotation** CR,
Drive type Steel



139645 Drive

Replacing: E5PF11350AA; e5pz11350a; e9pz11350a; sde330; m191t65571; 1.01.0670.0

Servicing: e5tf11000aa; M3T90071

O.D. 40.00, **I.D.** 17.00, **L.** 100.00,
No. of teeth 13, **Splines** 10, **Rotation** CR,
Drive type Steel



139710 Drive

Replacing: f5bu11350aa; 54294813; 1.01.0975.0; 54294817

Servicing: 63223538; -93538

O.D. 54.30, **I.D.** 12.00, **L.** 50.70,
No. of teeth 23, **Splines** 10, **Rotation** CR,
Drive type Steel



231960 Drive

Replacing: 54-215; 1.01.0662.1; F2VY11350A; SD341

Servicing: F2VY11002A; F3LU11000AA; sa-789; SA822

O.D. 31.80, **I.D.** 12.00, **L.** 47.00,
No. of teeth 12, **Splines** 12, **Rotation** CR,
Drive type Steel



231961 Drive

Replacing: 54-214; 1.01.0623.1; F0FZ11350A; SD340

Servicing: F0CF11000AA; F0CU11000AA; sa-779

O.D. 30.00, **I.D.** 12.00, **L.** 47.00,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



231962 Drive

Replacing: E6EF11350AA; 54-210; 1.01.0455.0; E6FZ11350A; SD327

Servicing: E3FZ11002A; E6EF11001A; E6FZ11002A

O.D. 27.94, **I.D.** 12.00, **L.** 71.80,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



231967 Drive

Replacing: d2059; 10487536; -934; d2058; 1.01.0783.0
Servicing: SD205, -255. 10455064; -5; -6; -7; -9; -70; -72; -73; -74; -80; -81; -84
O.D. 25.00, **I.D.** 12.00, **L.** 71.60, **No. of teeth** 9, **Splines** 3, **Rotation** CR, **Drive type** Steel



233830 Drive

Servicing: 1s7u11000ba; 97ca11000ab; yc1u11000ab
O.D. 38.00 (1.56"), **I.D.** 12.00, **L.** 48.00 (1.89"), **No. of teeth** 12, **Splines** 12, **Rotation** ACR, **Drive type** Steel



234135 Drive

Servicing: 1s7u11000ab; -c
O.D. 45.30, **I.D.** 12.00, **L.** 46.70, **No. of teeth** 11, **Splines** 6, **Rotation** CR, **Drive type** Steel



234288 Drive

Replacing: F87U11350AC; 1068720; 1.01.0941.1
O.D. 37.20, **I.D.** 12.00, **L.** 46.60, **No. of teeth** 9, **Splines** 12, **Rotation** CR, **Drive type** Steel



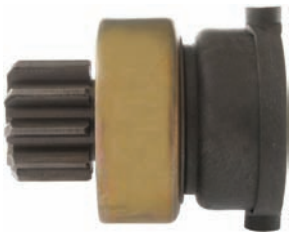
234773 Drive

Servicing: f8ru11000aa
O.D. 38.00, **I.D.** 12.00, **L.** 47.00, **No. of teeth** 12, **Splines** 12, **Rotation** CR, **Drive type** Steel



234861 Drive

Replacing: 1c3u10350ab; 1.01.1081.0
Servicing: 1C2411000AA; 1C2Z11002AA; 1c3u11000aa; -B; -C; -D; -E; 1C3Z11002AA; 2C2411000AA; 2C3T11000AA; 2C3Z1
O.D. 37.30, **L.** 115.70, **No. of teeth** 12, **Drive type** Steel



235199 Drive

Servicing: 98AB11000BB; -c; -d; -cb; -cc; -cd; ys4u11000aa; -B; -ba
O.D. 26.50, **L.** 58.50, **No. of teeth** 10, **Splines** 6, **Rotation** CR

235620 Drive

Replacing: 1107169; -74; 1108637; -45; -977; 1109618; -76; 1113027; 1107878; 1108099; -3; -6; 1107006; -30; -35
Servicing: 1107169; -74; -8096; -9618
I.D. 15.90, **L.** 133.00, **No. of teeth** 10, **Rotation** ACR

235624 Drive

Replacing: C1AZ11350A; 59-146; -95; -248; 1.01.0032.0; 19-195; ebb-132; -74; eb-95
Servicing: 460227; mdu7028; mdu7028s; mdu7029; meo4001; -2; mmg4002
I.D. 15.90, **L.** 140.00, **No. of teeth** 9, **Splines** 29, **Rotation** ACR



236876 Drive

Servicing: 3M5T11000CD; -E; -DC; 4m5t11000fa
O.D. 36.60 (1.36"), **I.D.** 12.01, **L.** 47.00 (1.85"), **No. of teeth** 11, **Splines** 12, **Rotation** CR, **Drive type** Steel

Drive Parts



231456 Pinion

Replacing: 54-83218; m605x96971; 639.0597.5; SZE888; F4TZ11363A; 231947
Servicing: f4pu11000aa; f4tz11002b; m8t50071; -171; -172; -70071
O.D. 37.15, **I.D.** 13.45, **H.** 17.75, **No. of teeth** 12, **Splines** 20

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Planet Gears



234649 Planet Gear

Servicing: F81411000AA; -C; F81Z11002A; yc3u11000aa
L. 110.00, **Splines** 13



234830 Planet Gear

Servicing: f07u11000aa; f0tz11002a; F2TU11000AA; F2TZ11002A; f77z11002a
L. 108.00, **Splines** 10
Drive only: Cargo 136633.



235431 Planet Gear

Servicing: F6VU11000AA; F75U11000AA; -B; f75z11002a; F7LU11000BA; f7lz11002b; f7uz11002a
L. 106.00



235726 Planet Gear

Replacing: 235726; res11817; 2341
Servicing: 1s7u11000ba; -b; -C; 2S7T11000DA; -B; yc1u11000ab; -c; -d; -E; -f
L. 108.10, **Splines** 12, **Rotation** ACR

238851 Planet Gear

Replacing: 238851; 2342
Servicing: 1s4u11000aa
L. 109.00, **Splines** 12

Gear Parts

Pkg 10



135574 Steel Ball

Replacing: s409s00008; E90Z11A172A; MCE443
Servicing: 19011501; 23300-08U10; -1; -5; -W010; -1M210; -1M215; -1P115; -1P175; -20P11; -30F11; -30R13; -41B1
O.D. 6.35, **Material** Steel



136637 Gear Shaft

Replacing: f0tz11355a; -h
Servicing: e90f11000aa; -ba; e9sf11000aa; -ba; f02f11000aa
Front D. 19.00, **L.** 107.00/4.21",
No. of splines 12
Armature: Cargo 136634.



230743 Gear Shaft

Replacing: f1ru11a160ab; f7ru11a160ab
Servicing: 97vb11000aa; -b; 98vb11000b1a; -3a; 98VB11000BA
Front D. 17.45, **L.** 104,3, **No. of splines** 12

Pkg 5



230896 Gasket

Servicing: 97VB11000AC; -BC
Th. 0.65



231139 Gear Shaft

Servicing: F7PU11000BA; f7pz11002ba
L. 103.50 (4.07"), **No. of splines** 12
Armature: Cargo 231138.



231143 Gear Shaft

Replacing: f5rz11a201a
Servicing: 93bb11000ka; -b; f3rz11002c; F50U11000AA
L. 84.70

Pkg 5



231146 Retainer

Gear shaft: Cargo 136637.

Pkg 5



231147 Retainer

Servicing: Gear shaft: Cargo 231139. F7PU11000BA; -da; f7pz11002ba; -da; F87U11000A1A

Th. 1.00

Pkg 5



231150 Washer

O.D. 36.50, **I.D.** 19.00, **Th.** 0.25, **Material** Steel



231377 Reduction Gear

Replacing: f5rz11a198a; 137398

L. 44.90 (1.75")



234504 Reduction Gear

Servicing: 1s7u11000ba; -b; -C; XS7U11000AB; -BA; YC7U11000AA; -B

O.D. 54.30, **I.D.** 14.30, **H.** 46.20, **No. of teeth** 19, **Splines** 19



234957 Washer

O.D. 43.00, **I.D.** 22.50, **Th.** 2.60, **Material** Nylon

Pkg 10



235377 Gear Wheel

Servicing: 1s7u11000ab; -c; -D; 2s6u11000eb; -c; -D; 2T1411000BA; -B; 3M5T11000CD; -E; 96fb11000md; 98AB11000B

O.D. 23.50, **I.D.** 10.00, **No. of teeth** 18

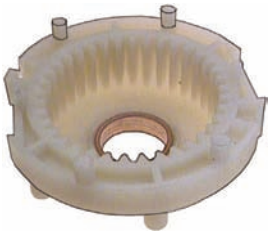


238919 Gear Shaft

Servicing: 1s7u11000ba; -b; -C; -da; -db; yc1u11000ab; -c

L. 104.00, **Splines** 12, **Rotation** ACR

Stationary



136638 Gear Wheel

Replacing: e90z11a165a; e9oz11a165a; sm476

Servicing: e90f11000aa; -ba; e9sf11000aa; -ba; f02f11000aa; f07u11000aa; -ba; F0CF11000AA; -BA; F7PU11000BA; -

O.D. 72.35, **I.D.** 46.87, **H.** 30.40, **No. of teeth** 37



231347 Gear Wheel

Replacing: f7re11a165ca; f7ru11a165ca

Servicing: 97bb11000bc; 97vb11000aa; -b; 98ab11000ac; 98vb11000b1a; -3a

O.D. 72.28, **I.D.** 52.10

w/o needle bearing: Cargo 140920. w/ bushing: Cargo 234664.

Gear Covers

Pkg 5



234956 Gear Cover

Servicing: 1s7u11000ba; -b; -C; 2S7T11000DA; 97ca11000ab; XS7U11000AB; -BA; YC1U11000AA; -b; -E

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Gear Wheels

Pkg 10



136641 Gear Wheel

Replacing: e90f11a67aa; e90z11k190a; e90z1k190a

O.D. 19.40, **I.D.** 6.50, **H.** 8.70, **No. of teeth** 13

w/ Needle bearing. Version w/ bushing: Cargo 231154.

Pkg 10



231154 Gear Wheel

Replacing: f0fz11k190a

O.D. 19.30, **I.D.** 6.00, **H.** 8.80, **No. of teeth** 13

w/ bushing. Version w/ Needle bearing: Cargo 136641.

Pkg 5



234664 Outer Gear

O.D. 72.30, **I.D.** 47.40, **H.** 33.33, **No. of teeth** 37

Pkg 10



235592 Gear Wheel

Servicing: 1s7u11000ba; 3M5T11000DB; -C; 4m5t11000fa; -b; -D; 6G9N11000FA; 98ab11000ad

O.D. 57.80, **H.** 11.00, **No. of teeth** 37

Gear Plates

Pkg 10



136640 Gear Plate

Replacing: e90z11a167a

O.D. 67.30, **I.D.** 18.30, **Th.** 1.15, **Material** Steel

Levers

Pkg 5

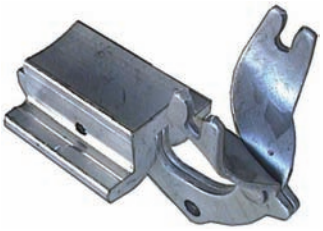


132808 Solenoid Shift Lever

Replacing: 1001933106; -8; -10; -11; -15; 84ab11067ab

Servicing: 0001106001; -2; -4; -11; -12; -14; -15; -16; -17; -18; -19; -20; -22; -23; -24; -7003; -7004; -7005

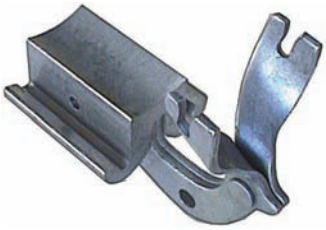
L. 86.50



133548 Lever

Replacing: C0DF11067B

L. 121.30, **Lever** 1



133549 Lever

Replacing: d1fz11067a

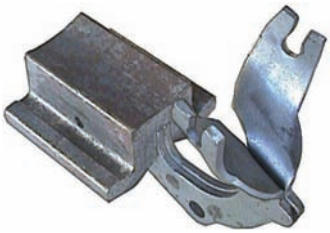
L. 111.15, **Lever** 1



133550 Lever

Replacing: C8VY11067A

L. 104.20, **Lever** 1



133551 Lever

Replacing: d7az11067a

L. 121.55, **Lever** 1



133552 Lever

Replacing: e2bz11067a

L. 111.90, **Lever** 1



135468 Lever

Replacing: n326-18-x05; m864x09771; -2; -4; md611223; 23322-41b16; 23322-42470; -l70; 36130-32510; f4xy11067a

Servicing: 23300-08U10; -1; -5; -W010; -1M210; -1M215; -20P11; -30F11; -30R13; -41B16; -41B77; -41B78; -44R11;

L. 74.00, **Lever** 1



135777 Lever

Replacing: 1001933101; 82gb11037ab

Servicing: 0001208501; -8; -13; -14; -16; -19; -20; -21; -24; -702; -705; -708; -709; -710; -711; -712; -11500

L. 92.70, **Lever** 1

Pkg 5



136636 Lever

Replacing: e90z11067a; 236970; f75u11070aa

Servicing: 97vb11000aa; -b; 98VB11000AA; -B; 98vb11000b1a; -3a; e90f11000aa; -ba; e9sf11000aa; -ba; f02f11000a

L. 84.35, **Lever** 5



231155 Lever

Replacing: e5pz11067a

L. 103.00, **Lever** 1



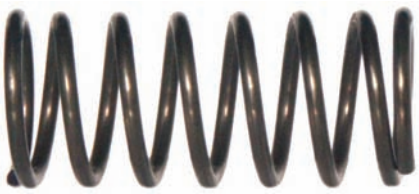
234680 Lever

Servicing: 2S7T11000DA; yc1u11000ac; -d; -E

L. 62.40, **Lever** 1

Lever Parts

Pkg 5



233042 Spring

Replacing: C1VF11103A; SZ630; C0DF11103A; c0df-11103-a

O.D. 15.60, **L.** 38.60

Pkg 5



233043 Spring

Replacing: SZ629; C2DF11103A; c2df-11103-a

O.D. 12.50, **L.** 33.00

Pkg 10



233683 Pin

Clutches



231958 Clutch

Replacing: 54-2400; 1.01.0959.0; f81u11350ab

Servicing: F81U11000AC

O.D. 45.36, **L.** 82.00, **Splines** 19

Brush Gears



132739 Brush Gear

Replacing: d7az11061a; sb177; D8AF11061AA; sb117

Brush w/o, **Brush gear** 1, **Spring terminal** w/o



133339 Brush Gear

Replacing: E5PF11434AA; m649t04972; sbe-324; m649t07371; me700047; -939; E5PF11061A; m649t04971; m371x07371; sb

Servicing: M3T56071; -2; -6; -82; -174; -181; -182; -183; -272; -471; -7371; -7575; -8071; -8571; -8771; -6607

V. 12, **Brush** w/o, **Brush gear** 1, **Spring terminal** w/o

Brush set: Cargo 140388 Spring: Cargo 135201

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



135467 Brush Gear

Replacing: e356-18-x70; f210-18-x70; m649t01371; m649t02271; -2; m649t04871; m649x01371; md607555; -926; md6185

Servicing: 23300-01E12; -3; -3E11; -H610; -18V10; -41B10; -41B15; -41B71; -53J10; -53J15; -60S10; -73C10; -73Y

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: cargo 140349.

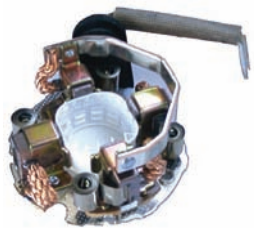


136635 Brush Gear

Replacing: e90z11061a; -b; -c; f3rz11061a; sb331; -5; -7; -48; -53; -56; E9OZ11061C; -A; -B

Servicing: e90f11000aa; -ba; e9sf11000aa; -ba; f02f11000aa; f07u11000aa; -ba; F0CF11000AA; -BA; f0ou11000aa; F

Brush With, **Brush gear** 1, **Spring terminal** With



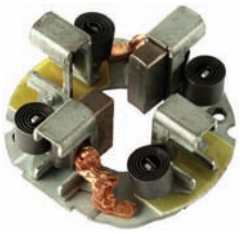
230741 Brush Gear

Replacing: f7ru11434ba

Servicing: 97bb11000bb; -c; 97vb11000aa; -b; 98ab11000ac; 98vb11000b1a; -3a; 98VB11000BA

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Brush set: Cargo 140955



231460 Brush Gear

Replacing: sbe351; F4TZ11061A; -91a

Servicing: m8t55171

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes Brush set: Cargo 140388



232670 Brush Gear

Replacing: f81u11434aa

Servicing: F81Z11002AA; XL1Z11002AA; XW4U11000CG; XW4Z11000CG; -2CG

Brush With, **Brush gear** 1, **Spring terminal** With



232947 Brush Gear

Replacing: E2BZ11061A; SB185; e2bz-11061-a

Brush w/o, **Brush gear** 1, **Spring terminal** w/o



235065 Brush Gear

Replacing: 1c3u11424aa; 1C3U11434AA

Servicing: 1C2411000AA; 1C2Z11002AA; 1c3u11000aa; -B; -C; -D; -E; 1C3Z11002AA; 2C2411000AA; 2C3T11000AA; 2C3Z1

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Brush set: Cargo 140955.

Brush gears parts

Pkg 10



231141 Screw

L. 14.50, **Thread** M5



233023 Insulator

Replacing: D7AZ11062A; SZ737; d7az-11062-a

Insulator 1



233024 Insulator

Replacing: E2BZ11062A; SZ774; e2bz-11062-a

Insulator 1

Pkg 5



233407 Insulator

Insulator 5

Brush Holders



233406 Brush Holder

Brush w/o, **Spring terminal** w/o



234062 Brush Gear

Replacing: 234062; res12359

Servicing: 1s7u11000ab; -c; 2s6u11000eb; 96bb11000aa; -b; -c; 98AB11000BB; -c; -cc; -cd; ys4u11000aa; -ba

V. 12, **Brush** w/o, **Brush gear** 1, **Spring terminal** With

Brush set: Cargo 140975.

Brush Springs

Pkg 10



132740 Brush Spring

Replacing: c2dz11059a; c2of11059a; C3XF11059A

L. 25.80

Serv. 4" DD

Pkg 10



132741 Brush Spring

Replacing: 2084666; d1az11059a; 50-263; MZ-19S

O.D. 15.65, **L.** 30.80

Serv. 4½" DD

Pkg 10



132742 Brush Spring

Replacing: d7az11059a; d8af11059a; ms519

L. 30.50

Serv. 4" , 4½" DD

Pkg 4



137526 Brush Spring

L. 18.50

Brush Sets



140547 Brush Set

Replacing: d12f11056a; C2DF11056A; D12F11055BA

Servicing: d12f11001aa

V. 12, **L.** 12.20, **Th.** 8.00, **H.** 15.35, **No. of brushes** 4



140548 Brush Set

Replacing: E4FF11055AA; d7az11057a; D8AF11055BA; -6AA

V. 12, **L.** 12.16, **Th.** 8.73, **H.** 19.05, **No. of brushes** 4



140845 Brush Set

Servicing: f7pu11000da; f7pz11002ba; -da; F87U11000A1A

V. 12, **L.** 14.00, **Th.** 4.50, **H.** 15.90, **No. of brushes** 4



140955 Brush Set

Servicing: 1C2411000AA; 1C2Z11002AA; 1c3u11000aa; -B; -C; -D; -E; 1C3Z11002AA; 2C2411000AA; 2C3T11000AA; 2C3Z1

V. 12, **L.** 18.12, **Th.** 8.35, **H.** 18.99, **No. of brushes** 4



140975 Brush Set

Servicing: 96bb11000aa; -b

V. 12, **L.** 13.80, **Th.** 5.85, **H.** 12.73, **No. of brushes** 4

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



141186 Brush Set

V. 12, **L.** 14.00, **Th.** 4.50, **H.** 16.00,
No. of brushes 4



141187 Brush Set

V. 12, **L.** 14.10, **Th.** 4.55, **H.** 15.90,
No. of brushes 4



141188 Brush Set

V. 12, **L.** 14.00, **Th.** 4.46, **H.** 15.90,
No. of brushes 4



141248 Brush Set

Servicing: 98AB11000BB; -c; -d; -cc; -cd
V. 12, **L.** 12.50, **Th.** 5.90, **H.** 12.95,
No. of brushes 4

fx342/1p Brush Set

Replacing: C2DZ11057A
V. 12, **L.** 12.50, **Th.** 7.95, **H.** 15.45,
No. of brushes 4

fx412/1p Brush Set

Replacing: C0DZ11057A; -B
V. 12, **L.** 13.00, **Th.** 8.80, **H.** 19.05,
No. of brushes 4



FX74-783 Brush Set

Replacing: f7ru11056aa; -ba
V. 12, **L.** 18.30, **Th.** 8.20, **H.** 19.00,
No. of brushes 4



FX76-774 Brush Set

Replacing: 1c3u11056aa; -ba
V. 12, **L.** 18.30, **Th.** 8.20, **H.** 19.00,
No. of brushes 4

Bushings

Pkg 5



140188 Bearing Bushinging

Replacing: d0af11052a; d3az11052a; mc220; -44; mc3; C4TZ11052A
O.D. 19.11, **I.D.** 15.96, **L.** 11.90, **Material** Copper

Pkg 5



140189 Bearing Bushinging

Replacing: mc12; C0DZ11135A
O.D. 13.10, **I.D.** 12.00, **L.** 20.40, **Material** Copper

Pkg 5



140192 Bearing Bushinging

Replacing: d0az11135a; mc206; -9
O.D. 15.10, **I.D.** 12.00, **L.** 10.50, **Material** Copper

Pkg 5



140193 Bearing Bushinging

Replacing: MC93; C2DF11052A; C2DH11052A

O.D. 17.50, **I.D.** 15.90, **L.** 14.20, **Material** Copper

Pkg 10



140264 Bearing Bushinging

Replacing: 28936; 24-29; MZ-40AS; B11052

O.D. 19.15, **I.D.** 16.29, **L.** 15.00, **Material** Copper

Assort. 803019

Pkg 5



140467 Bearing Bushinging

Replacing: C2DF11135A

O.D. 13.13, **I.D.** 11.99, **L.** 15.57, **Type** Standard, **Material** Copper

Pkg 5



140553 Bearing Bushinging

O.D. 19.10, **I.D.** 15.90, **L.** 15.20, **Type** Standard, **Material** Copper

Pkg 10



140758 Bearing Bushinging

Replacing: 323125436125; f0jy11135a; mce444

O.D. 22.60, **I.D.** 19.00, **L.** 14.00, **Type** Standard, **Material** Copper

Pkg 10



140842 Bearing Bushinging

Replacing: e90z11135a; mc442; 4152

O.D. 14.00, **I.D.** 10.00, **L.** 10.00, **Material** Copper



140843 Bearing Bushinging

O.D. 22.30, **I.D.** 19.00, **L.** 6.30, **Material** Copper

Pkg 10



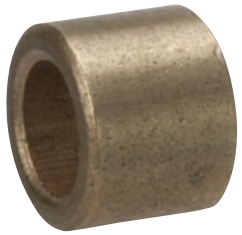
140844 Bearing Bushinging

Replacing: d0af11135b; mc209a

Servicing: f7pu11000da; f7pz11002ba; -da; F87U11000A1A

O.D. 15.13, **I.D.** 12.04, **L.** 10.20, **Material** Copper

Pkg 10



140987 Bearing Bushinging

Replacing: 140987; 4151

Servicing: 97bb11000bb; -c

O.D. 12.45, **I.D.** 8.10, **L.** 10.00, **Type** Standard, **Material** Copper

Pkg 10



140991 Bearing Bushinging

O.D. 11.95, **I.D.** 7.00, **L.** 9.90, **Material** Copper

Pkg 10



141074 Bushinging

Servicing: f7pu11000da; f7pz11002ba; -da; F87U11000A1A

O.D. 13.95, **I.D.** 10.00, **L.** 8.55, **Material** Copper

Pkg 10



141075 Bushinging

Replacing: f2tz11135a; mc445

O.D. 16.00, **I.D.** 12.00, **L.** 10.05, **Material** Copper

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

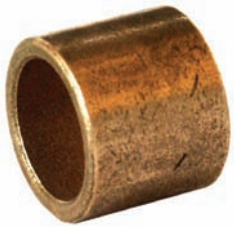
Pkg 10



141076 Bushinging

O.D. 17.25, **I.D.** 14.35, **L.** 12.25, **Material** Copper

Pkg 10



141129 Bushinging

Replacing: B9AF11135A; b9af-11135-a

O.D. 20.65, **I.D.** 15.85, **L.** 17.30, **Material** Copper

Pkg 10



141130 Bushinging

Replacing: B11135; b-11135

O.D. 19.10, **I.D.** 15.90, **L.** 29.15, **Material** Copper

Pkg 10



141222 Bushinging

O.D. 17.31, **I.D.** 14.30, **L.** 12.10, **Material** Copper

Pkg 10



142014 Bushinging

Servicing: 2s6u11000eb; -c; -D; 2T1411000BA; -B; 3M5T11000CD; -E

O.D. 12.00, **I.D.** 7.00, **L.** 8.50

Bearings

Needle Bearings

Pkg 10



140242 Needle Bearing

Replacing: 9001140384; 9440923; d6az11135a; e4fz11135a; mc189a; tla1210z; fc66624; hk1210; C6VF11135A; C6VY1113

Servicing: PMGR series. M78, M79. 0001107037; -48; -56; -100; -101; -108; -8115; -8145; -8147; -8157; -8168; -8

O.D. 16.00, **I.D.** 12.00, **L.** 10.00,
No. of rollers 18
Assort. 802035; 803013; 803026



140552 Needle Bearing

Replacing: e4fz11052a; mc430; e4ef11052aa

O.D. 20.65, **I.D.** 15.90, **L.** 12.60,
No. of rollers 16
Assort. 802035

Pkg 10



140620 Needle Bearing

Replacing: hk0608; hk0608e; fj08; e90f11448ba

Servicing: f7pu11000da; f7pz11002ba; -da; F87U11000A1A

O.D. 10.00, **I.D.** 6.00, **L.** 8.00,
No. of rollers 8
Assort. 802035

Pkg 5



140920 Needle Bearing

Replacing: sce116; 140920

Servicing: M2T80582; -7671

O.D. 22.23, **I.D.** 17.46, **L.** 9.40,
No. of rollers 24

Pkg 10



141209 Needle Bearing

Replacing: sce98; 141209

O.D. 19.05, **I.D.** 14.14, **L.** 12.65,
No. of rollers 19
Assort. 802035

Repair Kits



136250 Repair Kit

Replacing: f1du10576a



232949 Terminal Kit

L. 42.25, **Thread** M8



232950 Terminal Kit

Replacing: SZ657; C6DZ11102B; c6dz-11102-b

L. 40.55, **Thread** M8



233041 Terminal Kit

Replacing: C0DZ11102C; SZ656; C0DZ11102A; c0dz-11102-a

L. 42.00, **Thread** M8

Sundry Parts



131395 Contact Set



131442 Stop Collar Kit

Replacing: 3471621; dr2001; D20Z13304A; 132393

Servicing: 5MT, 8MT, 10MT. 3471143; -4; -50; -52; -53; -54; -55; -57; -59; -62; -63; -64; -65; -68; -69; -70; -

Assort. 803015



132754 Contact Kit

Replacing: d7fz11134a; SZ741



132755 Contact Kit

Replacing: d7az11134a; SZ740



132756 Contact Kit

Replacing: e2pz11134a; SZ781

Pkg 10



136639 Seal

Pkg 3



136719 Magnet

Servicing: f7pu11000da; f7pz11002da; F87U11000A1A

L. 45.00, **H.** 8.00, **Pole type** Nord

3 magnets.

Pkg 3



136720 Magnet

Servicing: f7pu11000da; f7pz11002da; F87U11000A1A

L. 45.00, **H.** 8.00, **Pole type** Syd

3 magnets.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 3



136721 Magnet Retainer

Pkg 5



137527 Retainer

O.D. 17.80, **Th.** 3.40

Pkg 10



137528 Stop Collar

O.D. 15.60, **I.D.** 10.50, **Th.** 2.70, **Material** Steel

Pkg 10

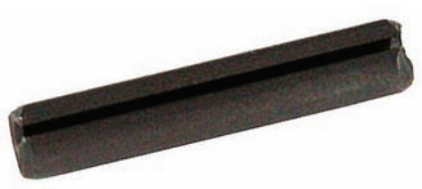


139648 Spacer

Replacing: e4tz11n004a

O.D. 12.60, **I.D.** 6.70, **Th.** 12.80, **Material** Steel

Pkg 5



231149 Tension Pin

Pkg 5



232585 Drain Tube

Servicing: F2VU11000AC; -D; F2VY11002A; F3LU11000AA; F4LU11000AA

O.D. 7.25, **L.** 10.60

Pkg 5



232586 Seal

Servicing: Seal for bracket: Cargo 232583. F75Z11002AA; F7LZ11002BA

O.D. 58.20, **I.D.** 46.40, **H.** 5.10

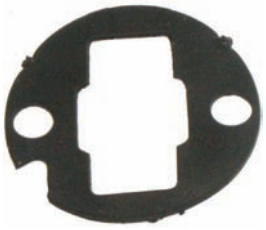
Pkg 10



232856 Washer

O.D. 42.80, **I.D.** 21.50, **Th.** 11.30, **Material** Plastic

Pkg 5



232942 Gasket

Th. 0.95, **Material** Rubber

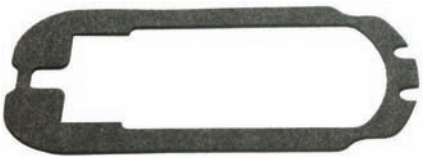
Pkg 5



232943 Gasket

Servicing: f7pu11000da; f7pz11002da; F87U11000A1A

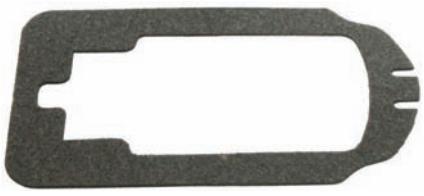
Th. 0.70



232944 Gasket

Replacing: SZ591; C0DF11065A

L. 152.25, **Th.** 1.45, **W.** 76.15



232945 Gasket

Replacing: SZ592; C2DF11065A; c2df-11065-a

L. 138.30, **Th.** 1.60, **W.** 80.75



232946 Gasket

L. 129.90, **Th.** 1.55, **W.** 74.00

Pkg 10



232948 Drain Tube

Servicing: F6VU11000AA; F75U11000AA; -B

O.D. 7.50, **I.D.** 5.00, **L.** 19.90

Drain tube for bracket: Cargo 232583.

Pkg 5



233010 Stop Collar

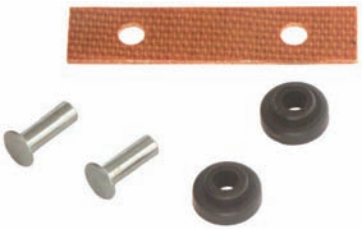
Replacing: 1851546; C5AZ10A355A

Servicing: 30MT, 35MT. 1113089; -90; -111; -115; -124; -136; -137; -138; -139; -150; -153; -155; -157; -162; -1

Used w/ retaining ring: Cargo 233009.



233017 Seal



233018 Insulation Kit

C.E. bracket: Cargo 232527.



233025 Retaining Sleeve

Replacing: E1AZ11105A; e1az-11105-a

O.D. 67.30, **I.D.** 59.45, **H.** 22.50



233026 Cover Band

Replacing: C0DF11126A; C20Z11126A; c0df-11126-a

O.D. 155.10, **H.** 35.15, **Mount. hole 1** 5.15



233027 Cover

Replacing: D8AZ11060A; SZ749; d8az-11060-a

O.D. 152.55



233028 Cover Band

Replacing: D1FZ11126A; C2DF11126A; c2df-11126-a

O.D. 143.65, **H.** 28.75, **Mount. hole 1** 5.75



233029 Cover

Replacing: E1FZ11060A; SZ766; C2DF11060A; c2df-11060-a

O.D. 134.65



233030 Cover

Replacing: E2BZ11060A; SZ777; e2bz-11060-a

O.D. 123.25, **H.** 41.15



233033 Cover

Replacing: E1AZ11060A; SZ765; e1az-11060-a

O.D. 136.65

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



233034 Cover

Replacing: E2FZ11060A; SZ783; e2fz-11060-a
O.D. 125.60, **H.** 43.90



233035 Cover

Replacing: D5FF11058AA; d5ff-11058-aa
O.D. 152.85



233036 Retaining Sleeve

Replacing: C0DF11105A; c0df-11105-a



233037 Retaining Sleeve

Replacing: E2BZ11105A; E3AZ11105A; e2bz-11105-a



233038 Support Bracket

Used in bracket C.E.: Cargo 232568.



233040 Support Bracket

Servicing: Used in bracket C.E.: Cargo 232569 and 233040.

Pkg 5



233044 Cup

Replacing: D0AZ11KO13A; d0az-11ko13-a
O.D. 15.15, **Th.** 8.90, **Material** Copper



233400 Retainer

Replacing: C0DF11106A

Pkg 5



233403 Grommet

Replacing: D7AZ11A120A; D7FZ11A120A; D8AF11A120A; D8EF11A120A; SZ742

Pkg 5



233405 Insulator

Insulator 5

Pkg 10



233408 Screw

Replacing: 1891278; 1894931; 1984000; 9427815; 383338-s2; 387448-s100
Servicing: 5MT, 10MT. 10455001; -4; -6; -7; -8; -9; -15; -16; -17; -18; -19; -20; -21; -22; -23; -24; -44; -45;
Thread L. 1/2", **L.** 41/64", **Thread** 11963

Pkg 10



233439 Pole Screw

Replacing: E4FZ11415A; C2DF11415A
Thread L. 9.50, **L.** 5/8", **Thread** 7/16"-14

Pkg 5



234294 Brake Washer

Replacing: sz628; C0DZ11036A

O.D. 34.93, **I.D.** 15.88, **Th.** 3.20, **Material** Fiber

Pkg 5



234295 Washer

O.D. 1 1/8", **I.D.** 5/8", **Th.** 0.78, **Material** Fiber

Pkg 5



234296 Rivet

O.D. 4.76, **L.** 11.90

235648 Adapter for Ford Powerstroke

Servicing: 112067

Pkg 10



236907 Gasket

Servicing: 1s7u11000ba; -b; -C; 2S7T11000DA

Th. 4.90

Oil Seals



239804 Gasket

Replacing: 239804; 1su11000ac; -d

Servicing: 1s7u11000ab; -c; -D; 1su11000ac; -d; 4m5t11000aa; -B

Th. 5.00, **Material** Rubber

Thru Bolts

Pkg 10



230795 Thru Bolt

Replacing: 1893276; N807790S36B

Servicing: 5MT. 1109521; -2; -3; -4; -6; -8; -30

Collar L. 149.20, **L.** 5 7/8", **Thread** 45566

Hex washer head, 5/16 drive.

Pkg 2



231144 Thru Bolt

L. 141.30, **Thread size front** M6, **Thread size rear** M5

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Solenoids





133856 Solenoid

Replacing: 813839; 981419; 982187; -9; 985063; -4; 15-394; 15-3f; 15-411; -20; -44; -86; SAZ-4201BBY; SAZ-4201B

V. 12, **Amp.** 100, **B+** M8,
Intermittent load 800amp, **Coil bolt** M8
3.95-4.15 coil resistance.

Armatures



132018 Armature

Replacing: 2120-7100; 9-82121158-0; 23310-37502

Servicing: 121370-77010; 23300-31W02; -7508; S12-17; -9; S12-19C; -K; S12-23; S12-24A; S12-32; -4; S12-41A; S1

V. 12, **kW.** 1.8, **Core OD** 76.00, **Shaft L.** 279.00, **Splines** 12, **Rotation** CR
Commutator: Cargo B233490.



132454 Armature

Replacing: 2114-31009; 2114-71005; -104; -108; 2114-91008; 23310-45300; 23310-n5900

Servicing: 105891-77010; 171008-77010; 23300-05P01; -11M02; -37J05; -52H00; -K8461; -L1123; -N5903; 5811001992

V. 12, **kW.** 1.4, **Core OD** 52.90, **Shaft L.** 167.20, **No. of teeth** 11, **Rotation** CR/ACR



132455 Armature

Replacing: 2114-81003

Servicing: S114-194

V. 12, **kW.** 1.0, **Core OD** 52.70, **Shaft L.** 222.40, **Splines** 10, **Rotation** CR



132456 Armature

Replacing: 2130-1101; 2130-31002; 23310-54a00

Servicing: 23300-3M005; S13-101; -5; S13-105A; S13-129; -529; S13-66; S13-66A; S13-69; -81

V. 12, **kW.** 2.0, **Core OD** 52.70, **Shaft L.** 174.15, **No. of teeth** 11, **Rotation** CR/ACR
Commutator: Cargo B139771.



132457 Armature

Replacing: 2130-3100; 2130-7100; 5-81121016-0; 23310-61503; 23310-j2000; 132921

Servicing: 23300-61504; S13-06; S13-06A; s13-14; -5; -8; -24; -25; -28; -31; -32; S13-32A; S13-55

V. 12, **kW.** 2.2, **Core OD** 74.50, **Shaft L.** 300.00, **Splines** 12, **Rotation** CR



132458 Armature

Replacing: 2250-6150; 23310-j5500

Servicing: 23300-T3402; S25-106A; -29A; -29C; S25-131; S25-131A; S25-152; S25-155C; -D; S25-74A; S25-75; S25-7

V. 24, **kW.** 3.2, **Core OD** 76.95, **Shaft L.** 283.70, **Splines** 12, **Rotation** CR



132798 Armature

Replacing: 2130-21003; 2130-31003; 2130-41004; 2130-4102; 2130-51002; -3; 2130-61003; 2130-91002; 8-94242059-0;

Servicing: 23300-83W00; 8944532120; 8944681501; s13-100; -2; -4; S13-106A; -B; -C; -E; s13-109; S13-109B; S13-

V. 12, **kW.** 2.5, **Core OD** 52.70, **Shaft L.** 188.00, **No. of teeth** 11, **Rotation** CR/ACR
Commutator: Cargo B139771.



133031 Armature

Replacing: 2114-91001; 8-94218767-0; 23310-s0100; 23310-u6000

Servicing: 124450-77010; 124772-77020; S114-146; -80; S114-180E; -F; -G; S114-218; S114-218A; S114-219; -30; S

V. 12, **kW.** 1.2/1.3, **Core OD** 64.90, **Shaft L.** 205.70, **Splines** 10, **Rotation** CR
Commutator: Cargo B134603.



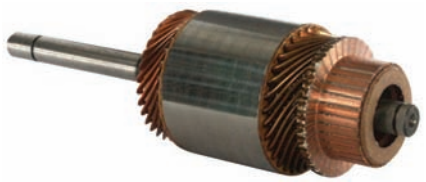
133056 Armature

Replacing: 2250-21001; 2250-71002; 2270-3100; 23310-t9006

Servicing: 120140-77010; 124617-77011; 129612-77011; 1811001521; -2330; 23300-06J02; -4; -34T00; -C8601; -Z551

V. 24, **kW.** 3.5, **Core OD** 60.00, **Shaft L.** 165.00, **Splines** 11, **Rotation** CR/ACR
Commutator: Cargo B233753.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



133849 Armature

Replacing: 2114-71103; 31206-pe0-005
Servicing: 5811002151; S114-387; -96; -412
V. 12, **kW.** 0.8, **Core OD** 60.00, **Shaft L.** 207.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134603.



134121 Armature

Replacing: 2114-51007; -106; 2114-61005; -106; 2114-91104; 23310-m4900; -1; 014560cp30sm; 133654
Servicing: 114351-77020; 114362-77020; 119256-77010; 120370-77011; 124976-77011; 129150-77010; 23300-37J00; S1
V. 12, **kW.** 1.2, **Core OD** 52.90, **Shaft L.** 159.10, **No. of teeth** 11, **Rotation** CR/ACR



134662 Armature

Replacing: 2114-51108; 2114-71008; 23310-d0200; 124190-77110
Servicing: 119631-77010; 119865-77011; 23300-01E00; -18C03; -D0200; -W0403; s114-320; -48; s114-348a; -90a; -9
V. 12, **kW.** 0.8/1.0, **Core OD** 60.00, **Shaft L.** 190.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134603.



135093 Armature

Replacing: 2114-81001
Servicing: s114-140; -1; -56; -63; S114-163B; -208B
V. 12, **kW.** 0.8, **Core OD** 52.40, **Shaft L.** 234.68, **Splines** 10, **Rotation** CR
Commutator: Cargo B137341.



135649 Armature

Replacing: 2114-61103; 5-81121046-0
Servicing: 124395-77010; 5811001921; S114-385; -629; S114-629A; TG11C014
V. 12, **kW.** 1.0, **Core OD** 64.90, **Shaft L.** 207.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134603.



135653 Armature

Replacing: 2114-21008; 23310-m8000
Servicing: S114-315
V. 12, **kW.** 0.8, **Core OD** 52.70, **Shaft L.** 208.70, **Splines** 10, **Rotation** ACR
Commutator: Cargo B137341.



135723 Armature

Replacing: 2250-31001; 5-81121020-0
Servicing: 461205-00821; 5811001292; S25-120; S25-120A; -1A; S25-140; -54; -57
V. 24, **kW.** 3.5, **Core OD** 77.00, **Shaft L.** 283.50, **Splines** 12, **Rotation** CR



135724 Armature

Replacing: 2114-41001
Servicing: 23300-N3304; S114-182; S114-182G; S114-216
V. 12, **kW.** 0.8, **Core OD** 64.95, **Shaft L.** 230.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134603.



135827 Armature

Replacing: 2114-21002; 23310-u0100
Servicing: S114-170E; -2A; -2E; S114-174; -7; -203
V. 12, **kW.** 0.8, **Core OD** 59.90, **Shaft L.** 205.50, **Splines** 10, **Rotation** CR
Commutator: Cargo B134603.



135845 Armature

Replacing: 2114-11003; 23310-y0700
Servicing: S114-173; s114-173f; s114-301
V. 12, **kW.** 0.8, **Core OD** 59.95, **Shaft L.** 240.00, **Splines** 10, **Rotation** CR
Commutator: Cargo B134603.



135923 Armature

Replacing: 2114-31008; 23310-m8200
Servicing: 23300-74Y00; -M8200; S114-316; -62; -630
V. 12, **kW.** 0.8, **Core OD** 59.90, **Shaft L.** 212.00, **Splines** 10, **Rotation** ACR



136186 Armature

Replacing: 2250-21002; 2250-7100

V. 24, **kW.** 3.7, **Core OD** 82.90, **Shaft L.** 343.50, **Splines** 4, **Rotation** CR



136188 Armature

V. 2.4, **kW.** 5.5, **Core OD** 74.40, **Shaft L.** 226.30, **No. of teeth** 12, **Rotation** CR/ACR



136189 Armature

Replacing: 2210-31001; 2310-31001; 1-81121028-0; 23310-99112

Servicing: 1811001570; S210-108; S210-90; -2

V. 24, **kW.** 5.5, **Core OD** 74.50, **Shaft L.** 240.00, **No. of teeth** 12, **Rotation** CR/ACR



136190 Armature

Replacing: 2210-41001; 23310-99118

Servicing: 23300-97066; S210-100; -98D; -98E

V. 24, **kW.** 5.5, **Core OD** 64.95, **Shaft L.** 204.00, **No. of teeth** 11, **Rotation** CR/ACR



136248 Armature

Replacing: 2130-41003; 23310-02n00

Servicing: S13-107; S13-107A; S14-02; S14-100D; -e

V. 12, **kW.** 2.5, **Core OD** 52.65, **Shaft L.** 196.15, **No. of teeth** 11

Commutator: Cargo B139771.



137092 Armature

Replacing: 2130-11001; 2130-31004; 5-81121002-1; 23310-j5501; 121254-77401

Servicing: 120130-77010; 121750-77011; 123500-77010; 124610-77010; 5811001112; S13-123; S13-33; s13-33a; -B; S

V. 12, **kW.** 2.5, **Core OD** 60.00, **Shaft L.** 165.00, **No. of teeth** 11, **Rotation** CR/ACR



137119 Armature

Replacing: 2114-31100; 2114-41106; 23310-65f01; 23310-77a00; 23310-88a00

Servicing: 23300-01N01; -52F01; -65F01; -77A01; -G8401; S114-517; S114-517C; S114-518; s114-520b; S114-523; -6

V. 12, **kW.** 1.2, **Core OD** 57.70, **Shaft L.** 105.35, **No. of teeth** 10



137120 Armature

Replacing: 2114-4100; 2114-41100; 2114-61300; 118400-77251

Servicing: S114-850; -1; S114-851A

V. 12, **kW.** 1.4, **Core OD** 50.60, **Shaft L.** 144.80, **No. of teeth** 9



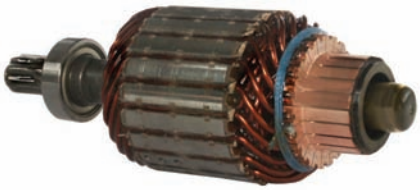
137304 Armature

Replacing: 2114-71105; 23310-42l60

Servicing: 23300-12G05; -88G01; s114-503a; S114-505; S114-505A; -7A; S114-509; -16; S114-516A; -9a; -25a; S114

V. 12, **kW.** 1.4, **Core OD** 57.65, **Shaft L.** 111.55, **No. of teeth** 10, **Rotation** CR

Commutator: Cargo b13912.



137321 Armature

Replacing: 2114-21105; 2114-81107; 23310-16e01; -5

Servicing: 23300-26V05; -6; -7N02; -66N00; -85E02; 23310-16E05; S114-430A; -B; -c; -1A; -1B; -1C; -2A; S114-43

V. 12, **kW.** 1.4, **Core OD** 60.00, **Shaft L.** 165.90, **No. of teeth** 9, **Rotation** ACR

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



137324 Armature

Replacing: 2114-71101

Servicing: S114-364; -418; -435; S114-435A; -B; -D; -E

V. 12, **kW.** 0.8, **Core OD** 57.90, **Shaft L.** 208.75, **Splines** 10, **Rotation** ACR

Commutator: Cargo b13912.



137337 Armature

Replacing: 2114-11006

Servicing: S114-232; S114-232A

V. 12, **kW.** 1.2, **Core OD** 65.00, **Shaft L.** 229.45, **Splines** 10, **Rotation** CR

Commutator: Cargo B134603.



137473 Armature

Replacing: 2130-61002; x-2130610020

Servicing: S13-24A; s13-61; S13-61A; S13-73; -4; -7

V. 12, **kW.** 2.1, **Core OD** 77.00, **Shaft L.** 282.80, **Splines** 12, **Rotation** CR



137948 Armature

Replacing: 2114-11111; 2114-21111; 2114-51300; 23310-0m300; 23310-31u00; 129698-77101; 137937

Servicing: 119233-77010; 129052-77010; 129698-77010; 23300-0M302; -2J200; -2J201; -2J205; -2J206; -31U02; -5J2

V. 12, **kW.** 1.4, **Core OD** 50.85, **Shaft L.** 111.25, **No. of teeth** 8, **Rotation** ACR

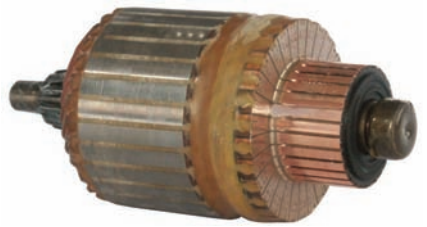


138687 Armature

Replacing: 2114-41104; 2114-91108; 31206-pd4-0050

Servicing: S114-388D; S114-610; -8; S114-618A; -B

V. 12, **kW.** 0.8, **Core OD** 60.00, **Shaft L.** 212.00, **Splines** 10, **Rotation** CR

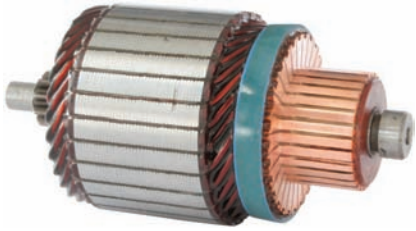


138700 Armature

Replacing: 2114-61110; 23310-50y02

Servicing: 23300-08U00; -50Y04; S114-758; -65; S114-775A

V. 12, **kW.** 1.0, **Core OD** 50.00, **Shaft L.** 111.00, **No. of teeth** 10, **Rotation** CR



138701 Armature

Replacing: 2114-21100; 2114-31109; 23310-50y01; 23310-54n00

Servicing: 23300-20P05; -65F05; -97E00; S114-505A; s114-750; -3; S114-753C; -4A; s114-755; -62; S114-762A; -B;

V. 12, **kW.** 1.4, **Core OD** 55.45, **Shaft L.** 109.85, **No. of teeth** 10, **Rotation** ACR

Commutator: Cargo b138979.



138830 Armature

Replacing: 2240-2100; 8-94152967-0; 23310-t9002

Servicing: 119131-77010; 129900-77030; 23300-0T610; -2T710; -K6700; 8943334380; 8943773510; 8944234520; S24-01

V. 24, **kW.** 3.0/3.2/3.5, **Core OD** 52.70, **Shaft L.** 196.00, **No. of teeth** 11, **Rotation** CR

Commutator: Cargo B139771.



138959 Armature

Replacing: 2114-51005; 2114-71001; 23310-h5000; x-2114510050

Servicing: 128170-77010; s114-160f; -1f; -2d; S114-164; -213; -225; -273; -303

V. 12, **kW.** 0.8/1.0, **Core OD** 52.70, **Shaft L.** 215.00, **Splines** 10

Commutator: Cargo B137341.



138960 Armature

Replacing: 2114-61104; 24370-56108; x-211461104

Servicing: S114-414; S114-414A; S114-621

V. 12, **kW.** 0.8, **Core OD** 52.60, **Shaft L.** 186.00, **Splines** 10, **Rotation** ACR



230201 Armature

Replacing: 2114-11100

Servicing: 114362-77011; S114-651; S114-651A; S114-680

V. 12, **kW.** 0.8, **Core OD** 56.50, **Shaft L.** 189.40, **Splines** 10

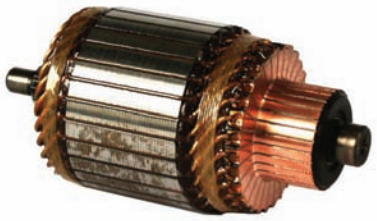


230758 Armature

Replacing: 2114-71109; 23310-41b60; 114371-77110

Servicing: 114351-77011; 119226-77010; 119631-77011; 119865-77012; 124097-77010; -50; 124195-77011; -50; 12429

V. 12, **kW.** 0.9, **Core OD** 57.70, **Shaft L.** 187.00, **Splines** 10



231358 Armature

Replacing: 2114-61108; 23310-1p100

Servicing: 23300-1P100; -60; -97E01; S114-751; -2; -6

V. 12, **kW.** 1.7, **Core OD** 55.00, **Shaft L.** 116.40, **Splines** 10



233886 Armature

Replacing: 2130-61004; 23310-0y000; 2130-81004; 129900-77400; 136249

Servicing: S13-114A; S13-200; -3; -4; -5; S13-205A; -C; -D; -7A; -10B; -10C; S13-282; -9; S13-289A; S13-294; -

V. 12, **kW.** 2.3, **Core OD** 53.00, **Shaft L.** 182.00, **No. of teeth** 11

Commutator: Cargo B139771.

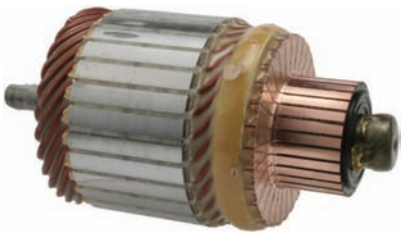


234797 Armature

Replacing: 2114-11109; 2114-51004

Servicing: s114-207; -370; S114-370A

V. 12, **kW.** 1.2, **Core OD** 65.00, **Shaft L.** 245.20, **Splines** 10



235337 Armature

Replacing: 2114-31200; 23310-4j606; 129242-77100

Servicing: 23300-4J606; -VB000; -VB005; S114-870; -1; -2; -4; -6; S114-878A; S114-883; -4

V. 12, **kW.** 1.7, **Core OD** 55.00, **Shaft L.** 110.90, **No. of teeth** 8

235632 Armature

Replacing: gsb107-1100

V. 12, **Core OD** 67.30, **Shaft L.** 251.60

22 Amp

Yokes

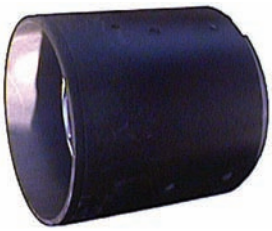


137305 Yoke Assy

Replacing: 2114-82502; 2114-9251; 23302-m8001

Servicing: S114-364; -98; -418; -435; S114-435A; -B; -D; -E; S114-550; S114-550A

V. 12, **O.D.** 79.00, **L.** 68.55, **Brush gear** w/o, **Magnets** With



137831 Field Case

Replacing: 2114-52507; 23302-12g04

Servicing: 23300-12G05; -88G01; S114-516; S114-516A; -25a; S114-528; S114-528A

V. 12, **kW.** 1.4, **O.D.** 79.00, **L.** 82.00, **Brush gear** w/o, **Magnets** With



138702 Field Coil Housing

Replacing: 2114-62507; 23302-50y02

Servicing: 23300-08U00; -50Y04; S114-758; -65; S114-775A

V. 12, **kW.** 1.0, **O.D.** 68.00, **L.** 74.00, **Brush gear** w/o, **Magnets** With

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



138704 Yoke Assy

Replacing: 2114-92506; 23302-50y01

Servicing: 23300-20P05; -65F05; S114-750; -62; S114-762A; -B; -6A; S114-780

V. 12, **kW.** 1.4, **O.D.** 74.20, **L.** 73.75, **Brush gear** w/o, **Magnets** With



139167 Yoke Assy

Replacing: 2114-42507; 23302-41b60

Servicing: 105312-77011; 114351-77011; 160891-77020; 23300-73Y01; 25570-50100; S114-312; S114-413A; S114-566;

V. 12, **kW.** 0.8, **O.D.** 79.00, **L.** 68.50, **Brush gear** w/o, **Magnets** With



139788 Yoke Assy

Replacing: 2114-82507; 23302-31u00

Servicing: 23300-31U02; S114-801A; -B; -C; -D; S114-844; -50

V. 12, **kW.** 1.4, **O.D.** 67.90, **L.** 60.60, **Rotation** ACR, **Brush gear** w/o, **Magnets** With



231489 Yoke Assy

Servicing: s24-01b; -c; -d; -3b; -3c; -5a; -5b; s24-07; -8; s24-08a; s24-11; -2; -3; -4; s25-110g; -25a; -25b;

O.D. 80.20, **L.** 92.20, **Brush gear** w/o, **Magnets** w/o



235359 Field House

Servicing: s13-106a; -b; -e; s13-122; -6

O.D. 80.00, **L.** 85.71/79.60, **Brush gear** w/o, **Magnets** w/o

Field coil: Cargo 135101

Yokes w/magnets



138505 Yoke Assy

Replacing: 2114-52100; 2114-72507

Servicing: 23300-0M302; -2J200; -2J201; -2J205; -2J206; -5J201; S114-800; s114-800a; -B; S114-804; S114-804A;

V. 12, **kW.** 1.4, **O.D.** 67.85, **L.** 60.55, **Brush gear** w/o, **Magnets** With

Field Coils



132923 Field Coil

Replacing: 2130-52101; 2130-6220

Servicing: S13-24A; s13-31; -2; s13-32a; S13-73

V. 12, **kW.** 2.8, **H.** 125.00, **Brush gear** w/o



133652 Field Coil

Replacing: 2114-52003; 2114-72005

Servicing: 23300-37J00; s114-253b; s114-344; -471; S114-471A; s114-473

V. 12, **kW.** 1.2, **H.** 71.75, **Brush gear** w/o



134346 Field Coil

Replacing: 2250-32001; 2250-42002; 2250-52002; 2250-5210; 2250-62002; 2250-72002; 2250-7210; 2250-82002; 2250-8

Servicing: 120140-77010; 124617-77011; 129612-77011; 1811002330; 23300-06J02; -4; -T014; -34T00; -C8601; -T901

V. 24, **kW.** 3.5, **H.** 82.55, **Brush gear** w/o



134849 Field Coil

Replacing: 2114-42003; 23306-m4900

Servicing: 114351-77020; 119256-77010; S114-252F; -6B; -8C; -96A; -322A; S114-373; -93; -438; S114-438B; -C; -

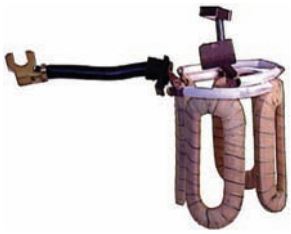
V. 12, **kW.** 1.2, **H.** 71.60, **Brush gear** w/o



134927 Field Coil

Servicing: S13-91; s13-91a

V. 12, **kW.** 2.0, **H.** 89.50, **Brush gear** w/o



135101 Field Coil

Replacing: 2130-12001; 2130-22102; 2130-82101; 2130-9210; 2130-92102; 8-94137713-0; 8-94242060-0; 23306-10g00;
Servicing: 129137-7010; 23300-1S900; -2S000; -40K21; -57J05; -65N51; -6T001; -83W00; 8944339122; 8944604170; -
V. 12, **kW.** 2.0, **H.** 92.00, **Brush gear** w/o
Brush set: Cargo 140567.



135654 Field Coil

Replacing: 2114-72104; 31205-pd4-0050; 8-94127705-0; 23306-m8200
Servicing: 23300-74Y00; -M8200; 5811002151; S114-316; -62; -87; -630
V. 12, **kW.** 0.8, **H.** 78.75, **Brush gear** w/o



135726 Field Coil

Replacing: 2250-52001; 2250-9205; 5-81112031-0
Servicing: 120320-77311; 23300-T3402; 461205-00821; 5811001292; S25-106A; S25-120; S25-120A; -1A; -9A; -9C; S2
V. 24, **kW.** 3.5, **H.** 111.50, **Brush gear** w/o



135727 Field Coil

Replacing: 2120-4259; 23306-76200
Servicing: 23300-31W02; -7508; S12-19C; S12-63; S12-63C; S12-68; S12-68B; -D; -77A; S12-78; -9; -83
V. 12, **kW.** 1.6/1.8, **H.** 116.55, **Brush gear** w/o



135729 Field Coil

Replacing: 2114-22001; 23306-n3301
Servicing: 23300-C0600; -N3304; S114-182G; S114-184
V. 12, **kW.** 1.2, **H.** 97.15, **Brush gear** w/o



135803 Field Coil

Replacing: 2114-82103; 31205-pa0-0050
Servicing: S114-271; -2; -340
V. 12, **kW.** 0.8, **H.** 72.15, **Brush gear** w/o



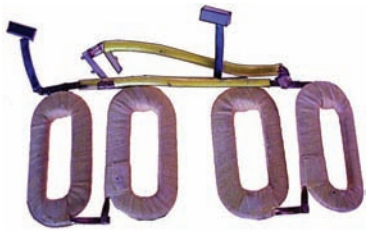
135828 Field Coil

Replacing: 2114-12108; 2114-82004; 23306-w1700
Servicing: 23300-05P01; -11M02; -37J05; -L1123; 8941433304; 8943447022; S114-357; S114-357A; -B; -C; S114-367;
V. 12, **kW.** 1.4, **H.** 72.80, **Brush gear** w/o



135873 Field Coil

Replacing: 2130-22101; 23306-w2801
Servicing: S13-101; S13-66; S13-66A; S13-69; -81
V. 12, **kW.** 2.0, **H.** 79.50, **Brush gear** w/o



135874 Field Coil

Servicing: S114-257; -481
V. 12, **kW.** 1.4, **H.** 73.85, **Brush gear** w/o



135875 Field Coil

Replacing: 2114-22109
Servicing: S114-480; S114-480A
V. 12, **kW.** 1.4, **H.** 72.00, **Brush gear** w/o



135918 Field Coil

Replacing: 2114-62101; 23306-b5000
Servicing: 128170-77010; S114-160A; -B; -D; -f; -G; -H; -2D; -3E; -213A; S114-225; -73; -303; -312; -353; -386
V. 12, **kW.** 0.8, **H.** 85.25, **Brush gear** w/o

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



135925 Field Coil

Replacing: 2114-62104; 2114-92108; 23306-m8000
Servicing: S114-315; -414; S114-414A; S114-621
V. 12, **kW.** 0.8, **H.** 72.20, **Brush gear** w/o



137303 Field Coil

Replacing: 2130-2230; 23306-54a00
Servicing: 23300-3M005; S13-105; S13-105A; S13-129; -329; -529
V. 12, **kW.** 2.0, **H.** 84.40, **Brush gear** w/o



137322 Field Coil

Replacing: 2114-22103; 2114-32101
Servicing: S114-161F; S114-164
V. 12, **kW.** 0.8, **H.** 86.00, **Brush gear** w/o



137323 Field Coil

Replacing: 2114-62001; -110; 23306-u0100
Servicing: S114-170E; s114-174; -7; -203; -228
V. 12, **kW.** 0.8, **H.** 83.80, **Brush gear** w/o



138342 Field Coil

Replacing: 2114-82003; 171008-77440; x-2114721060
Servicing: 105891-77010; 5811001992; 8941333381; 8941514091; S114-257G; -H; -338A; S114-342; S114-342A; S114-3
V. 12, **kW.** 1.4, **H.** 82.20, **Brush gear** w/o



139073 Field Coil

Replacing: 2114-72106; x-211472106
Servicing: 124976-77011; 129150-77010; S114-349A; -B; S114-408
V. 12, **kW.** 1.8/2.5, **H.** 76.00, **Brush gear** w/o



139165 Field Coil

Replacing: 2120-8350; 2130-72102; 3130-72103; 23306-54a05
Servicing: 23300-0Y000; -5; -54A05; 5811001292; S12-48; -58; S13-203; S13-24; -5; S13-302; S13-302A; S13-305;
V. 12, **kW.** 2.0, **H.** 90.85, **Brush gear** w/o



139176 Field Coil

Replacing: 2130-62102
Servicing: S13-207; S13-207A; -c; S13-289; -94; -4-203
V. 12, **kW.** 2.0, **H.** 83.25, **Brush gear** w/o



230062 Field Coil

Replacing: 2114-82107; 23306-43l02
Servicing: 23300-26V05; -6; 23310-16E05; S114-431A; -B; -C; -2A; S114-452; S114-452A; S114-460; S114-460A; -B;
V. 12, **kW.** 1.4, **H.** 74.45, **Brush gear** w/o



230745 Field Coil

Replacing: 2114-82105; 2114-92104; 23306-m8100; -1
Servicing: 23300-01E00; -15A00; -D0200; -M8101; S114-317A; s114-320; s114-320a; S114-377; s114-390a
V. 12, **kW.** 0.8, **H.** 76.00, **Brush gear** w/o



231167 Field Coil

Replacing: 2130-22001; 23306-02n00
Servicing: 8943876530; S13-107; S13-107A; S14-02; -3
V. 12, **kW.** 2.5, **H.** 93.00, **Brush gear** w/o



233701 Field Coil

Replacing: 2240-2200
Servicing: 119131-77010; 129900-77030; 23300-0T610; -2T710; 8943334380; 8943773510; 8944234520; S24-01B; -C; -
V. 24, **kW.** 3.5, **H.** 80.90, **Brush gear** w/o



234099 Field Coil

Replacing: 2130-8220; 2130-42101; 23306-v0600; 5-81112015-0

Servicing: S13-33; s13-33a; -b; s13-37; s13-37b; -8b; s13-41; s13-41a; -b; -5A; -5b; -6a; s13-67; s13-67b; s13

V. 12, **kW.** 1.8/2.5, **H.** 90.00, **Brush gear** w/o

C.E. Brackets



137836 C.E. Bracket

Replacing: 2130-43015; 2130-73014; 23337-43g00

Servicing: 23300-40K21; S13-106A; -B; -C; -E; S13-126; S13-126A; S13-127; S13-127C; -37A

I.D. 76.50



137837 C.E. Bracket

Replacing: 2120-63001; 2250-13011

Servicing: 23300-31W02; S12-63; S12-63C; S12-68; S12-68B; -C; -D; -77A; S12-78; -9; S24-64B; -E; -5-64B; -5-64

I.D. 108.90



137936 C.E. Bracket

Replacing: 2130-7300; 23337-61504; x-21307300

Servicing: 23300-61504; S12-52; -3-14; -3-18; S25-131; S25-131A; -55C; -55D; S25-74A

I.D. 108.80



230487 C.E. Cover

Replacing: 2114-33502; -4; 23337-0m300; 129698-77161

Servicing: 119233-77010; 129052-77010; 129698-77010; 23300-0M302; -2J200; -2J201; -2J205; -2J206; -5J201; -80F



230636 C.E. Bracket

Replacing: 2130-63015; 23337-0y000

Servicing: 129136-77011; 129400-77012; 129900-77010; 129910-77020; 23300-0Y000; -5; -1S900; -1W400; -2S000; -5



231106 C.E. Bracket

Replacing: 2114-83003; 23337-m4901

Servicing: 105891-77010; 114351-77020; 114362-77020; 119256-77010; 124976-77011; 129150-77010; 171008-77010; 2

I.D. 75.50



231303 C.E. Bracket

Replacing: 2114-43001; 2114-93007; 23337-01e00

Servicing: 119631-77010; 119865-77011; 23300-01E00; -15A00; -74Y00; -D0200; -M8101; -M8200; -V5202; -W0403; S1

I.D. 84.50



234637 C.E. Bracket

I.D. 65.50

235750 C.E. Bracket

Servicing: s114-829a; -b

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

D.E. Brackets



135486 D.E. Bracket

Replacing: 2114-16003; 23318-u0100
Servicing: S114-170E



136066 D.E. Bracket



136566 D.E. Bracket

Replacing: 2114-26612; 23318-85e00
Servicing: 23300-85E02; S114-461; S114-461A; -B



136570 D.E. Bracket

Servicing: s114-254



136936 D.E. Bracket

Replacing: 2114-36004
Servicing: 23300-C0600; S114-184



137307 D.E. Bracket

Replacing: 2130-86005; 23318-02n00
Servicing: S13-107; S13-107A



137830 D.E. Bracket

Replacing: 2114-26607; 23318-12g01
Servicing: 23300-12G05; -88G01; S114-516; S114-516A; S114-528; S114-528A



137832 D.E. Bracket

Replacing: 2114-74002; 23346-n5901
Servicing: S114-255A



137835 D.E. Bracket

Replacing: 2130-46007; 2130-76005; 2130-96007
Servicing: S13-106A; -b; -C; -e; s13-127; s13-127c; -37A



138154 D.E. Bracket

Replacing: 2114-56503; 23318-h5001
Servicing: S114-160; S114-160A; -b; -d; -e; -F; -g; -H; -1F; S114-163; S114-163B; S114-208



138305 D.E. Bracket

Replacing: 2240-2600; 8-94152979-0
Servicing: 119131-77010; 8943334380; S24-03B; -C; S24-13; S25-161



138611 D.E. Bracket

Replacing: 2114-96503; 23318-w1001
Servicing: S114-296A; S114-459



138612 D.E. Bracket

Replacing: 2114-86605; 23318-36a00



138613 D.E. Bracket

Replacing: 2130-46005; 23318-10g00
Servicing: 23300-83W00; S13-104; -92A



138703 D.E. Bracket

Replacing: 2114-46619; 2114-86617; 23318-50y02; -5
Servicing: S114-775A



138713 D.E. Bracket

Replacing: 2114-56100; 23318-20p05
Servicing: 23300-20P05; S114-780



139168 D.E. Bracket

Replacing: 2114-76504; 171008-77510
Servicing: 119256-77010; 124976-77011; 129136-77011; 129137-7010; 129400-77012; 171008-77010; S114-257; S114-2



139575 D.E. Bracket

Replacing: 2130-96002; 8-94242069-0
Servicing: 8944694963; S13-321; S13-62; S13-62B; S13-83



139766 D.E. Bracket

Replacing: 2114-26613
Servicing: s114-473; -80



139768 D.E. Bracket

Replacing: 2114-36611
Servicing: 23300-37J00; -5; -52H00; S114-471; S114-471A; S114-472; S114-472A; S114-482



230132 D.E. Bracket

Replacing: 2114-46505
Servicing: 23300-D0200; S114-320; s114-320a



230229 D.E. Bracket

Replacing: 2114-76611
Servicing: S114-519A; -25a



230485 D.E. Bracket



230638 D.E. Bracket

Replacing: 2114-16602
Servicing: S114-391A; S114-604

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



230665 D.E. Bracket

Replacing: 2130-56100; 23318-54a05

Servicing: 23300-54A05; S13-203; -305; S13-305A



230890 D.E. Bracket

Replacing: 2130-16006; 8-94311463-0

Servicing: 8944339122; 8944604170; S13-112; -4



230891 D.E. Bracket

Replacing: 2114-16505; 23318-m8200

Servicing: 23300-74Y00; -M8200; S114-316; -630



231852 D.E. Bracket

Replacing: 2114-26300; 2144-66500; 2114-66500

Servicing: S114-850; s114-850a; -b



234348 D.E. Bracket



234479 D.E. Bracket

Replacing: 2130-26007; 2130-16008; 2130-46102

Servicing: s13-122; -6; S13-126A



234636 D.E. Bracket

Servicing: s114-829; s114-829a



234882 D.E. Bracket

Servicing: S114-808; s114-808a

Bushing in D.E.Bracket: 140186, 140187, 140194



235456 D.E. Bracket

Replacing: 2130-96101

Servicing: 23300-1S900; s13-122; -322; -326



235658 D.E. Bracket

Replacing: 2130-26100

Servicing: S13-207; S13-207A; -c; S13-89; S13-89A; -b; -c; -d

---

I.M. Brackets



137459 I.M. Bracket

Replacing: 2250-34001



138705 I.M. Bracket

Replacing: 2114-24102; 23383-50y02

Servicing: 23300-08U00; -50Y04; S114-758; -65; S114-775A

Bushing: Cargo 140927.



138710 I.M. Bracket

Replacing: 2114-84100; 23383-1e400

Servicing: 23300-1P100; -60; -20P05; -65F05; -97E00; -97E01; S114-750; -1; -2; -5; -6; S114-762A; -B; -6A; S11



231302 I.M. Bracket

Replacing: 2120-1450; 23383-31w00; 2120-3400

Servicing: 23300-31W02; -7508; -T3402; S12-18; S12-19C; S12-43; S12-63C; -8D; S25-106A; -29A; -29C; -31A; S25-

Solenoids



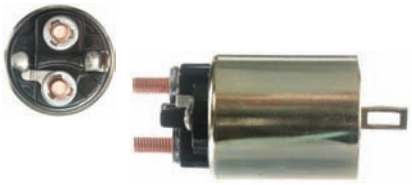
130811 Solenoid

Replacing: 2114m-4700y; 2114n-1750; 2114n-4700; 2114n-47004; 9-82150052-0; 9-82150071-0; toj101; 23343-10600; 2

Servicing: S114-131; -52; -55; S114-156A; S114-91; S12-19; S12-19K

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 134619. Groundes base.



131144 Solenoid

Replacing: 2114-37001; 2114-47001; 2114-77004; 2114-87003; -8; 2130-37003; 2130-47001; toj104; 23343-h5000; -1;

Servicing: S114-147; -60; S114-160B; -D; -F; -G; -1B; -1E; -1F; -2D; S114-163; S114-163B; -E; S114-164; -208;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133269. Moving contact: Cargo 133270.



131431 Solenoid

Replacing: 2120-37002; -3; 2120-47002; 2120-57002; 2120-67002; 2120-97001; 23343-31w00; 23343-37506; 23343-g700

Servicing: 23300-31W02; -7508; S12-19C; -38A; S12-61; -3; S12-63C; S12-68; S12-68B; -D; -77A; S12-78; -9; -82;

V. 12, **B+** M8

Cap: Cargo 134620. Moving contact: Cargo 139853.



131799 Solenoid

Replacing: 2114n-2750; 2114n-7700y; 2114n-7750; toj102; 23343-21000; -5; -6; 23343-e6800

Servicing: 2114n-2750; S114-103; S114-108L; -21N; -22N; -26M; S114-139

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 137868. Moving contact: Cargo 135104.



131800 Solenoid

Replacing: 2108-4823; 2114-57001; -504; -604; 2114-87002; -4; 2114-97004; -503; 31204-634-005; toj103; 23343-n3

Servicing: 124450-77010; 160910-77010; 160940-77010; 23300-N3304; S108-85; -6; -91; S114-146; S114-160A; -H; -

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133269. Moving contact: Cargo 133270.



132058 Solenoid

Replacing: 2114-17006; 2114-27001; 2114-37003; 2114-40076; 2114-47006; 2114-67006; 2114-8700; 31204-634-670; -1

Servicing: 124772-77020; 23300-C0600; S114-149; -84; -202; s114-202a; S114-244; S114-244A; S114-247; S114-247A

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133276. Moving contact: Cargo 133270.



132059 Solenoid

Replacing: 2130-17002; 2130-27001; 2130-47012; 2130-6700; 5-81151015-0; 5-81151029-0; 8-11530018-0; 23343-61504

Servicing: 23300-61504; S12-06; -28; -46; s12-46a; S12-52; -8; -79; -3-14; -3-18; -3-24; S13-24A; S13-28; S13-

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133803.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



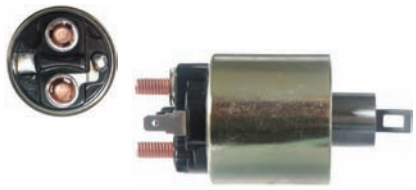
132093 Solenoid

Replacing: 2114-17005; -505; -602; 2114-37504; -5; -602; 2114-47005; -7; -606; 2114-57503; -8; 2130-87007; 2130

Servicing: 105891-77010; 114362-77020; 119256-77010; 124976-77011; 129136-77011; 129150-77010; 171008-77010; 2

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133803. Moving contact: Cargo 139853.



132094 Solenoid

Replacing: 2114-27501; 2114-37503; 2114-47503; 2114-67505; 2114-77608; 2114-87504; -5; -7; 23343-20p00; 23343-m

Servicing: 114351-77011; 114362-77011; 119233-77010; 119631-77011; 124097-77010; 124195-77011; 129698-77010; 1

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133778. Moving contact: Cargo 135105.



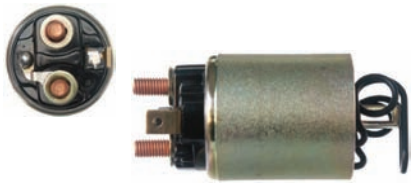
132420 Solenoid

Replacing: 2114-67002

Servicing: S114-194

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133778.



132421 Solenoid

Replacing: 2114-47504; 2114-67503; 2114-77008; 23343-07m00; 23343-11m00; 2114-t7103

Servicing: S114-357; S114-357A; -B; S114-385; -7; -459; S13-66

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133276.



132423 Solenoid

Replacing: 2250-17002; 2250-37005; 2250-67003; 5-81151030-0; 5-81151058-0; -1; 23343-c6800; 23343-j5520; 23343-

Servicing: S25-106A; S25-120; -1; -40; S25-151A; S25-152; -4; S25-155C; -D; S25-75; S25-75A

V. 24, **B+** M8, **Coil bolt** M8

Cap: Cargo 134620.



132698 Solenoid

Replacing: 2114-47507; 2114-77007; 8-94228453-0; zm-685; -780; 2114-47009

Servicing: S114-290B; S114-303; S114-441A; S13-121; S13-62; S13-62B; -70A; S13-83; -9; S13-89A

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133803.



132914 Solenoid

Replacing: 2250-27002; 2250-77003; 2250-i9700; 5-81151031-0; 23343-29000; -6; 23343-z9000; -6; 2250-27003; 2250

Servicing: S24-64B; -5-128; S25-129A; -C; s25-131; S25-131A; -2C; -2F; S25-64B

V. 24, **B+** M8, **Coil bolt** M8

Cap: Cargo 134620.



132915 Solenoid

Replacing: 2114-27006; zm-785

Servicing: S114-237

V. 12, **B+** M8, **Seconds** B134602, **Coil bolt** M8

Cap: Cargo 133780.



133037 Solenoid

Replacing: 2114-1700; 2114-i1700; 9-82150081-0

Servicing: S114-118; -32; -36; -92

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 134621.



133043 Solenoid

Replacing: E2NN11390AA; 2130-17004; 2130-8700; zm-783; 2130-57004; -12; 2130-67004

Servicing: S12-62; S13-138; s13-138a; S13-32; S13-32A; S13-61; S13-61A; S13-74; -86; -87

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133276.



133044 Solenoid

Replacing: 2114-27005; -502; -504; 2114-77505; 31204-pd4-005; 23343-w0400; -1; 49210-6401; zm-711; 138669; 2114

Servicing: s114-362; -98; -418; -419; -456; -553; -556

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133276. Moving contact: Cargo 135105. Spring: Cargo 134740.



133045 Solenoid

Replacing: 2114-57506; 23343-16e01; zm-585

Servicing: S114-430A; -B; -C; S114-439

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 134624.



133046 Solenoid

Replacing: 2114-57601; 2114-87508; 23343-17c00; zm-713

Servicing: 23300-26V05; S114-306; -460; S114-460A; -B; s114-606; -7; -8

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133779. Moving contact: Cargo 135105.



133047 Solenoid

Replacing: 2114-97509; 2130-27003; 2130-57001; 2130-77001; 1-81151054-0; 5-81151054-0; 23343-w1700; zm-781; 213

Servicing: 5811001992; 8941333381; S114-293; S114-338A; -9A; -9C; -9D; S114-367; -429; S114-429A; S114-453; S1

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133276.



133054 Solenoid

Replacing: 2114-37005; -502; 2114-67504; 23343-u6000; zm-1782; zm-782; 132419

Servicing: S114-177; -295; -352; -370; S114-370A; S114-427

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133778.



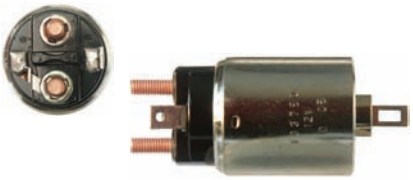
133749 Solenoid

Replacing: 2130-37004; 2130-87005; 2130-97004; 23343-10g00; 2130-37008

Servicing: S13-111; -3; -36; -92A

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 134620. Moving contact: Cargo 139853.



133750 Solenoid

Replacing: 2130-67005; 2130-77005; 2130-97008; 23343-02n00; 23343-43g00; zm-1981; 133751

Servicing: 23300-1W400; -40K21; -6T001; S13-106A; -B; -C; S13-107; S13-107A; S13-127; S13-137A; S13-327; S14-0

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 137798. Moving contact: Cargo 139853.



134812 Solenoid

Replacing: 2250-57006; 2270-37001; 23343-c8601; 2250-27006; 132846

Servicing: 23300-06J02; -C8601; S25-156; -8

V. 24, **B+** M8, **Coil bolt** M8

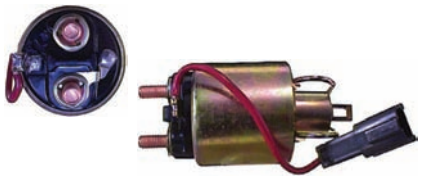
Cap: Cargo 134620.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



135008 Solenoid

Replacing: 2130-27006; 8-94337444-0
Servicing: 8943876530; 8944339122; 8944604170; S13-112; -4; S13-114A; S14-03; S14-203
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 134620. Moving contact: Cargo 139853.



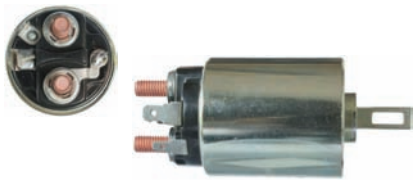
135287 solenoid

Replacing: 2114-67610; 23343-88407; zm-719
Servicing: S114-750; S114-766A
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138819.



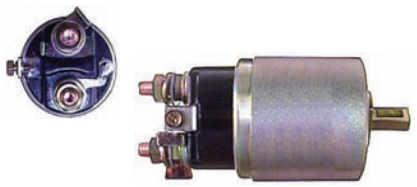
135370 Solenoid

Replacing: 2130-57005; 23343-54a00
Servicing: 23300-11M02; -3M005; S114-357C; S13-105; S13-105A; S13-129; -31; -329
V. 12, **B+** M8, **Coil bolt** M8
Moving contact: Cargo 139853.



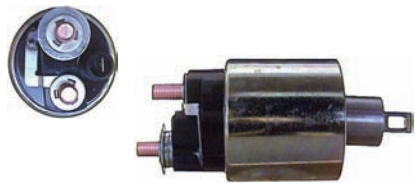
135877 Solenoid

Replacing: 2114-27008; zm-787
Servicing: 8943447043; S114-232; S114-232A
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133780.



136141 Solenoid

Replacing: 2240-5700; 8-94152981-0; zm-981
Servicing: 119131-77010; 129900-77030; 8943334380; 8944234520; S24-03B; -C; S24-07; -13; -14; S25-161
V. 24, **B+** M8, **Coil bolt** M8
Cap: Cargo 134620.



136397 Solenoid

Replacing: 2114-37606; 2114-47505; 2114-87503; 31204-pd4-0050; zm-712
Servicing: s114-388d; s114-396; -406; -411; -412; -610; -618; s114-618a; -B; s114-619
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 134480.



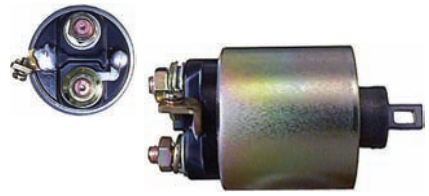
137320 Solenoid

Replacing: 2114-47508; 2114-t7308; 23343-57m60
Servicing: S114-509
V. 12, **B+** M8, **Coil bolt** M8



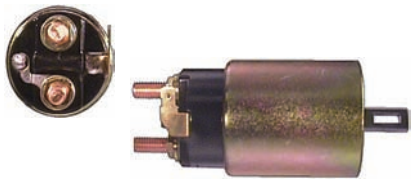
137795 Solenoid

Replacing: 2114-77601; 23343-12g02; -3; zm-1713
Servicing: s114-503a; S114-516; S114-516A
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 137796.



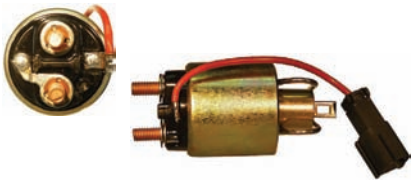
138170 Solenoid

Replacing: 2114-37613; -73; 2114-97612; zm-410
Servicing: s114-850
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139330.



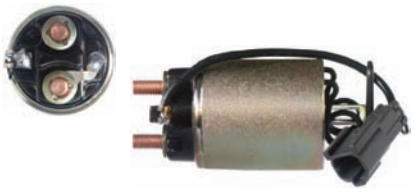
138363 Solenoid

Replacing: 2130-57003; 23343-w2800
Servicing: S13-101; -2
V. 12, **B+** M8, **Coil bolt** M8



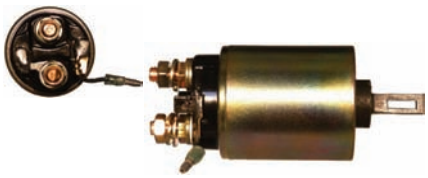
138364 Solenoid

Replacing: 2114-47610; 2114-t7208
Servicing: 23300-74Y00; S114-630; -769
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138818.



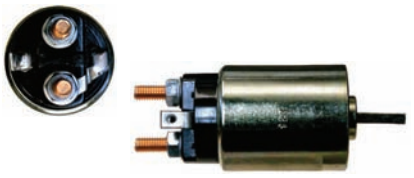
138366 Solenoid

Replacing: 23343-03j00; 2114-87611; -01
Servicing: S114-471; s114-471a; S114-472; S114-472A; S114-482; -90
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138816.



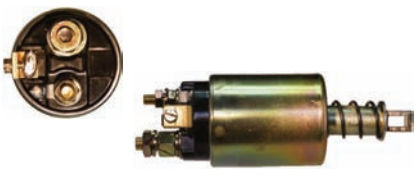
138368 Solenoid

Replacing: 2114-27004
Servicing: s114-213; S114-213A
V. 12, **B+** M8, **Coil bolt** M8



138739 Solenoid

Replacing: 2130-47005; 129400-77530; zm-689; 2130-17010
Servicing: 8944681501; s13-115; S13-115A; -20A; S13-294; S13-94; S13-94A
V. 12, **B+** M8, **Coil bolt** M8



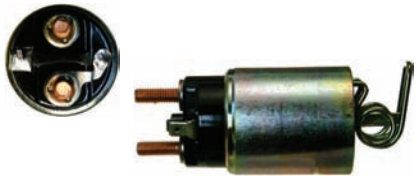
138744 Solenoid

Replacing: 2250-87003; 1-81151036-0
Servicing: 1811001521; -2330; S25-135A; -7B; S25-172; S25-172A; S25-173; S25-173A; -B
V. 24, **B+** M10, **Coil bolt** M8



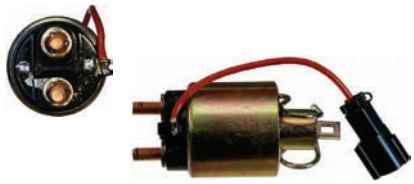
138809 Solenoid

Replacing: 2130-37005; 23343-83w00; zm-980
Servicing: 23300-83W00; S13-104
V. 12, **B+** M8, **Coil bolt** M8
cap: Cargo 138810.



138811 Solenoid

Servicing: S13-91
V. 12, **B+** M8, **Coil bolt** M8
cap: Cargo 138812.



138814 Solenoid

Replacing: 2114-57606; 23343-16e02; zm-1717; 23343-31u00; 23343-16e03
Servicing: 23300-88G01; S114-528; S114-528A
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138818.



138817 Solenoid

Replacing: 2114-57509; 23343-18c05; -6; 23343-21p10; 23343-22p00
Servicing: s114-457; -8
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 134624.



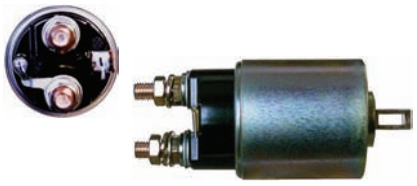
138823 Solenoid

Replacing: 2114-97605; 23343-g8400
Servicing: 23300-G8401; S114-527; S114-527A; -B
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138819.



138957 Solenoid

Replacing: 2114-27613
Servicing: S114-808; -69
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139604.



139164 Solenoid

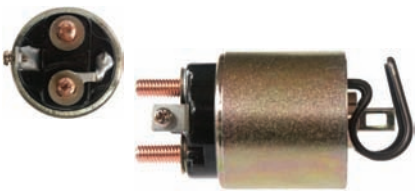
Replacing: 2130-77008; 23343-57j05; 2130-47008; 2130-87008
Servicing: 23300-3M000; -5; -54A05; -57J05; S13-302; S13-302A; S13-305; S13-305A; S13-329; -31; -529; -531
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 137798.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



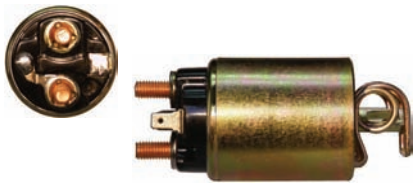
139784 Solenoid

Replacing: 2114-17612; 2114-77506; -7; -607; 2114-t7106; -306; 23343-80w00; -1; zm2719; 2114-t7160; 2114-97604;
Servicing: 23300-53J00; -W0403; S114-348; S114-348A; -76B; s114-460; s114-460a; S114-517; S114-517C; S114-518;
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 234914.



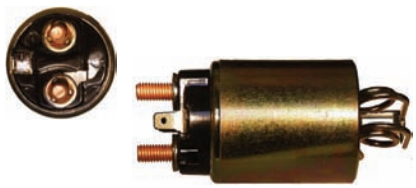
139832 Solenoid

Replacing: 2114-37608; 2114-97601
Servicing: s114-473; -80
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139604.



139833 Solenoid

Replacing: 2114-27505
Servicing: 8941433304; S114-401B; S13-100; -9; S13-109B
V. 12, **B+** M8, **Coil bolt** M8



139834 Solenoid

Replacing: 49210-5401; 139834
V. 12, **B+** M8, **Coil bolt** M8



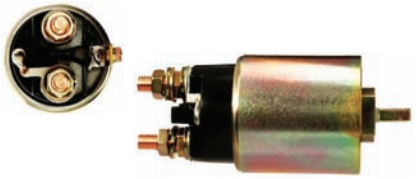
139851 Solenoid

Replacing: 2250-47007; 2250-77006; 23343-Z9011; 2250-17005
Servicing: 23300-Z5515; S25-110G; -L; s25-162; -4; S25-164A
V. 24, **B+** M8, **Coil bolt** M8
Cap: Cargo 139852.



139958 Solenoid

Replacing: 2280-6700; 23343-99105; -200
Servicing: 23300-96106; s210-100; -4; s210-104a; s210-98d; -e; S28-23B
V. 12, **B+** M10, **Coil bolt** M10



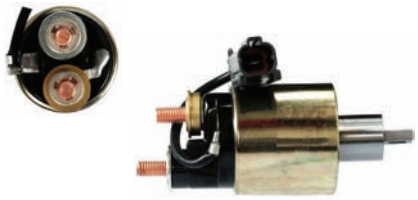
230558 Solenoid

Replacing: 2130-47009; 2130-57011; 129900-77590
Servicing: 123900-77010; 129900-77010; 129910-77020; s13-160; -204; -205; S13-205A; -C; -D
V. 12, **B+** M8, **Coil bolt** M8



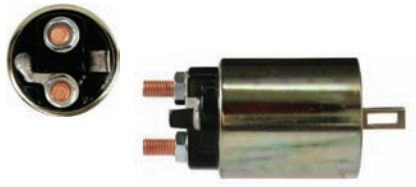
230697 Solenoid

Replacing: 2250-57003; 23343-l6000; 691293
Servicing: S24-64E; -5-64E
V. 24, **B+** M8, **Coil bolt** M8



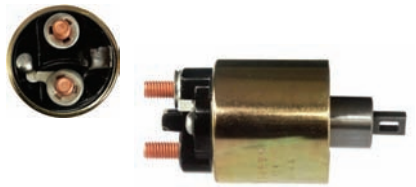
231910 Solenoid

Replacing: 2114-87603; 23343-85e00; zm-718; 2114-47612; 2114-37506
Servicing: 23300-85E02; S114-461; S114-461A; -B; -801A; -801B; -801C; -801D
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231911.



231995 Solenoid

Replacing: 2114-47501; zm-584
Servicing: S108-63; -76; S108-76A
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133269.



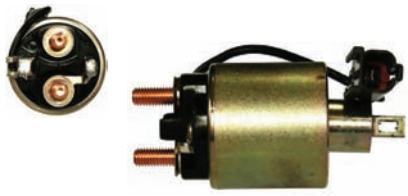
231996 Solenoid

Replacing: zm-717; 2114-57610
Servicing: S114-753
V. 12, **B+** M8, **Coil bolt** M8



232002 Solenoid

V. 12, **B+** M8, **Coil bolt** M8



232200 Solenoid

Replacing: 2114-67605; zm-1719
Servicing: 23300-0M302; -50Y04; -73Y01; s114-520b; S114-530; -3; -4; -5; S114-570A; -B; -C; S114-758; -66; -67
V. 12, **B+** M8, **Coil bolt** 3
Cap: Cargo 138819.



232263 Solenoid

Replacing: 2250-97006; 23343-06j04
Servicing: 23300-06J04; S25-158A; -B
V. 24, **B+** M8, **Coil bolt** M8



232452 Solenoid

Replacing: zm-5395; 232452
Servicing: S114-829; s114-829a; -b; -C; -D
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231822.



232487 Solenoid

Replacing: 2114-27602; 124195-77760
Servicing: 119226-77010; S114-615; -26; -52; -53; S114-653A; -B; S114-657
V. 12, **B+** M8, **Coil bolt** M8



233122 Solenoid

Replacing: 2210-17002; 2210m-5700; 23343-99204; -110
Servicing: 1811001800; S210-100; -4; S210-104A; S210-108; S210-89; -90; S210-98D; -E; s28-23b
V. 24, **B+** M10, **Coil bolt** M10



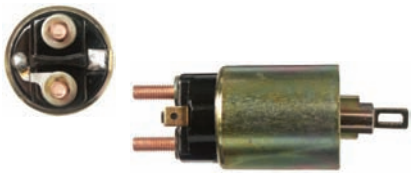
234555 Solenoid

Replacing: 2120-2700
Servicing: S15-02; -3
V. 12, **B+** M12, **Coil bolt** M12



234556 Solenoid

Replacing: 2250-87004; 2250-97001; 2250-17007
Servicing: S25-110; s25-110a; -B; -c; -f; -20A; -21A; -25A; -25B; S25-142; s25-142a; -B; -3C; -6D; S25-149; -7
V. 24, **B+** M8, **Coil bolt** M8



234868 Solenoid

Replacing: 2240-4701; 8-97025677-0
Servicing: S25-163A; -B; -C; -E
V. 24, **B+** M8, **Coil bolt** M8



234869 Solenoid

Replacing: 2250-37008; 8-97161789-0
Servicing: S25-163F; -G; S25-168; S25-168A; S25-171; -501; S25-501A; -B
V. 24, **B+** M8, **Coil bolt** M8



235068 Solenoid

Replacing: 2130-67010; 2140-7700; 2130-37011
Servicing: 8971463383; S13-210B; -C; S14-210; s14-210a; -B; -C
V. 12, **B+** M8/18.5, **Coil bolt** 3



235076 Solenoid

Replacing: 2130-67007; 2130-37010; 2130-17007
Servicing: S13-122; -6; S13-126A; S13-326
V. 12, **B+** M8/17, **Coil bolt** 3

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

235639 Solenoid

Servicing: S14-100D; -e

V. 12



236416 Solenoid

Replacing: 2114-37617

Servicing: S114-844

V. 12, **B+** M8, **Coil bolt** M8



238529 Solenoid

Servicing: s13-250

V. 12

Solenoid Parts

Coils

Pkg 10



230148 Plunger Spring

O.D. 8.60, **L.** 33.40

Solenoid Caps

Pkg 5



133269 Solenoid Cap

Replacing: zm-59496; zm-68096; 133269

Servicing: 2114-47001; -501; -57001; -57504; -77004; 2130-47001; 23300-11M02; -31W02; -C0600; -N3304; M2T20182

O.D. 49.90, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



133276 Solenoid Cap

Replacing: zm-68496; zm-71196; 133276

Servicing: 2114-17006; -27001; -27003; -67006; -77001; -77008; S13-207; S13-207A; -c

O.D. 50.00, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



133778 Solenoid Cap

Replacing: zm-71096; 133272; -778

Servicing: 2114-17505; -27501; -37005; -37503; -37505; -47005; -57503; -57508; -67002; -67505; 23300-N5903; S1

O.D. 49.85, **No. of leads** 3, **Bracket type** Crimp



133779 Solenoid Cap

Replacing: zm-71396; 133779

Servicing: 2114-87508

O.D. 50.15, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



133780 Solenoid Cap

Replacing: zm-78596; 133780

Servicing: 2114-27006; -8

O.D. 49.80, **No. of leads** 4, **Bracket type** Crimp

Pkg 5



133803 Solenoid Cap

Replacing: zm-68296; -596; 238310; 133803

Servicing: 120320-77311; 2114-17005; -37504; -77007; 2120-27002; -57002; 2130-6001; 23300-83W00; -C8601; -T340

O.D. 50.15, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



134480 Solenoid Cap

Replacing: zm-71296; 134480
Servicing: 2114-27504; -37004; -37606; -47505; -77505
O.D. 50.00, **No. of leads** 3, **Bracket type** Crimp



134619 Solenoid Cap

Servicing: 2114n-4700y; 2120m-8700y; S13-06
O.D. 49.65, **No. of leads** 3, **Bracket type** Crimp



134620 Solenoid Cap

Servicing: 2120-67002; 2130-7705; 2240-5700; 2250-22002; -37001; -37005; -47003; -57003; -87004
O.D. 50.00, **No. of leads** 3, **Bracket type** Crimp



134621 Solenoid Cap

Servicing: 2114-1700
O.D. 49.90, **No. of leads** 3



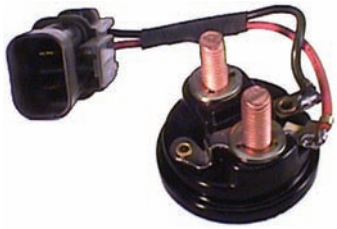
134622 Solenoid Cap

Servicing: 2114-47003
O.D. 49.00, **No. of leads** 4, **Bracket type** Crimp



134624 Solenoid Cap

Replacing: zm-58596; 134624
Servicing: 21141-57506; S114-430A; -B; -C; S114-509; -766
O.D. 49.90, **No. of leads** 3, **Bracket type** Crimp



137796 Solenoid Cap

Replacing: zm-171396; 137796
Servicing: 2114-77601
O.D. 49.85, **No. of leads** 4, **Bracket type** Crimp



137798 Solenoid Cap

Replacing: 137867; -798
Servicing: 2130-57005; -77008; S13-107A
O.D. 49.45, **No. of leads** 3, **Bracket type** Crimp



137868 Solenoid Cap

O.D. 50.45, **No. of leads** 3



138810 Solenoid Cap

Servicing: 2240-7700; -8700
O.D. 50.20, **No. of leads** 3, **Bracket type** Crimp



138812 Solenoid Cap

O.D. 50.15, **No. of leads** 3, **Bracket type** Crimp



138816 Solenoid Cap

Servicing: 2114-87601
O.D. 49.00, **No. of leads** 3, **Bracket type** Crimp

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



138818 Solenoid Cap

Replacing: zm-171796; 138818
Servicing: 2114-47610; -57603
O.D. 50.00, **No. of leads** 3, **Bracket type** Crimp



138819 Solenoid Cap

Replacing: zm-171996; zm-71996; 139328; 138819
Servicing: 2114-67605; -87603; -97605; s114-525a; S114-800; S114-800A
O.D. 49.85, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



139330 Solenoid Cap

Replacing: zm-41096; 139330
Servicing: 2114-37613; -97612
O.D. 49.75, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



139604 Solenoid Cap

Replacing: zm-41196; zm-171096; 139604
Servicing: 2114-27613; -97601
O.D. 50.00, **No. of leads** 3, **Bracket type** Crimp



139852 Solenoid Cap

Servicing: 2114-57606; 2250-77006
O.D. 50.25, **No. of leads** 3, **Bracket type** Crimp



231822 Solenoid Cap

Replacing: zm-539591; -6; 231822
O.D. 52.30, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



231911 Solenoid Cap

Replacing: zm-71896; 232016; 231911
O.D. 49.85, **No. of leads** 3, **Bracket type** Crimp



233885 Solenoid Cap

O.D. 49.85, **No. of leads** 3



234914 Solenoid Cap

Replacing: zm-271996; 234914
O.D. 49.90, **No. of leads** 3

Moving Contacts

Pkg 5



133270 Moving Contact

Servicing: S13-207; S13-207A; -c
L. 29.60, **Th.** 2.00, **Shaft** 29.60
Assort. 803036

Pkg 5



135103 Moving Contact

Servicing: 2130-67005; -77005; -97004; 2250-47002
L. 34.30, **Th.** 2.90, **W.** 3.00, **Shaft** 33.45, **Material** Copper
Assort. 803036

Pkg 10



135104 Moving Contact

Servicing: 2114n-2750

L. 31.00, **Th.** 2.25, **W.** 14.00, **Shaft** 29.40, **Material** Copper
Assort. 803036

Pkg 5

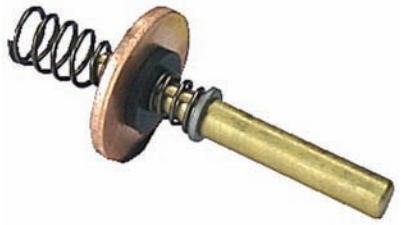


135105 Moving Contact

Servicing: 2114-87503; S114-535; -54; -766

L. 24.20, **Th.** 2.00, **Shaft** 41.00, **Material** Copper
Assort. 803036

Pkg 5



139605 Moving Contact

L. 24.00, **Th.** 1.80, **Shaft** 41.50, **Material** Copper

Pkg 10



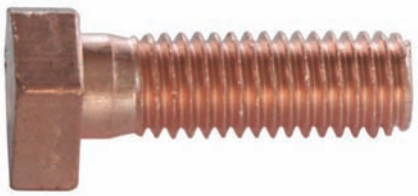
139853 Moving Contact

Servicing: 2250-27002; -3

L. 26.00, **Th.** 2.25, **Shaft** 33.40, **Material** Steel
Silver plated.

Fixed Contacts

Pkg 10



234456 Fixed Contact

Collar L. 24.20, **L.** 30.00, **Thread** M8

Drives



130440 Drive

Replacing: 2114-1560; 2114-4550; 2114n-1150; -550; -560; 2114n-4550; tmj100; -6; 23312-10600; -5; 23312-21000;

Servicing: s114-103; -21; -22; -73; s114-87

O.D. 29.70, **I.D.** 13.00, **L.** 62.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



131085 Drive

Replacing: 2114-55004; 2114-65001; 31207-634-005; tmj103; -7; 23312-h5000; 23312-h6900; 1.01.0349.0

Servicing: S108-63; -89; S114-140; -1; -9; S114-156A; S114-160; S114-160A; -B; -D; -e; -F; -G; -H; s114-162; s

O.D. 29.70, **I.D.** 12.50, **L.** 62.00,
No. of teeth 9, **Splines** 5, **Rotation** CR,
Drive type Steel



131086 Drive

Replacing: 2114-65004; 2114-95002; tmj102; 23312-m1500; -1; 1.01.0382.0

Servicing: s114-161; S114-161B; -E; -F

O.D. 28.00, **I.D.** 12.50, **L.** 62.00,
No. of teeth 8, **Splines** 5, **Rotation** CR,
Drive type Steel



131719 Drive

O.D. 28.00, **I.D.** 12.45, **L.** 62.00,
No. of teeth 8, **Splines** 10, **Rotation** CR,
Drive type Steel



131783 Drive

Replacing: 2114-45004; -7; 2114-75001; 2114n-3550; 8-94208296-1; tmj101; 23312-n3300; 23312-u6000; 23312-y0700;

Servicing: 23300-N3304; S114-126M; -70b; -70E; S114-171; S114-172A; -d; -E; S114-173; s114-173b; -e; S114-174;

O.D. 28.70, **I.D.** 12.55, **L.** 62.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

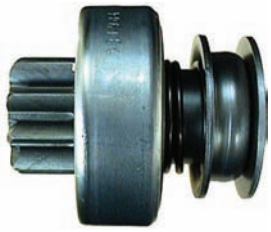


131852 Drive

Replacing: 2114-55007; 2114-95007; 1.01.0537.0

Servicing: 23300-2S000; -65N51; S114-232; S114-232A; S114-237; S13-317

O.D. 25.80, **I.D.** 12.00, **L.** 76.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



131984 Drive

Replacing: 2120-35001; 2120-7530; -50; 2130-35001; 2130-7550; 2250-35002; 9-82121238-0; 9-82122380-0; 1.01.0376

Servicing: 5811001112; -292; s12-19; S12-24A; s12-41; S12-41A; S12-48; -58; -59; -61; -82; -3-06; S13-06A; S13

O.D. 33.00, **I.D.** 13.80, **L.** 69.00,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



131985 Drive

Replacing: 2120-25001; -2; 2120-45002; 2120-55002; 2120-75002; 2120-85001; 2120-9500; 2130-25001; 2250-25002; 2

Servicing: 23300-31W02; -7508; -T3402; S12-19C; -K; S12-34; S12-38A; S12-63; S12-63C; S12-68; S12-68B; -D; -3-

O.D. 36.00, **I.D.** 14.00, **L.** 70.00,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



131986 Drive

Replacing: 2114-15550; 2114-25100; 2114-45504; tmj121; 23312-73y00; 23312-d0100; 1.01.0499.0; 2114-65016; 12419

Servicing: 114351-77011; 119226-77010; 23300-01E00; -18C03; -73Y01; -D0200; -V5202; -W0403; S114-319; -20; -48

O.D. 28.00, **I.D.** 12.40, **L.** 60.00,
No. of teeth 8, **Splines** 10, **Rotation** CR,
Drive type Steel

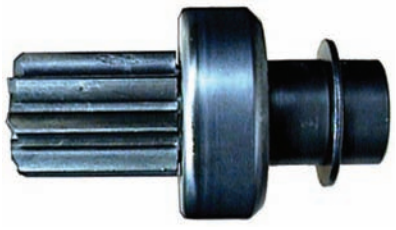


131987 Drive

Replacing: 2114-25004; -504; tmj165; 23312-m8100; -1; 1.01.0518.0; 2114-22540

Servicing: s114-317; S114-317B; S114-318; -45; -419; -424; s114-435b; s114-556

O.D. 28.00, **I.D.** 12.60, **L.** 65.00,
No. of teeth 9, **Splines** 5, **Rotation** CR,
Drive type Steel



131988 Drive

Replacing: 2114-15004; -100; -504; tmj140; 23312-73c00; 23312-m8000; 1.01.0517.0

Servicing: 23300-74Y00; -KA512; -M8200; -M8202; S114-315; -6; -62; -64; -418; -419; -424; -435; S114-435A; -B;

O.D. 28.00, **I.D.** 12.45, **L.** 80.00,
No. of teeth 8, **Splines** 10, **Rotation** ACR,
Drive type Steel



132001 Drive/Clutch Assy

Replacing: 2114-25550; 2114-35506; 2114-55506; 2114-85008; 2114-95553; 2214-25550; 8-94115568-0; tmj171; 23312-

Servicing: 129137-7010; 23300-05P01; -N5903; 8941333381; 8941433304; 8941514091; 8943447022; 8944681501; -9496

O.D. 28.60, **L.** 87.00, **No. of teeth** 9,
Rotation CR, **Drive type** Steel



132002 Drive/Clutch Assy

Replacing: 2114-25014; 2114-45013; 2114-55015; 2114-95508; 23312-16e01

Servicing: 23300-26V05; -6; -7N02; -66N00; -85E02; 23310-16E05; s114-430; S114-430A; -B; -C; -1A; -1B; -1C; -2

O.D. 59.80, **L.** 79.00, **No. of teeth** 21,
Rotation ACR, **Drive type** Steel



132311 Drive

Replacing: 2114-15003; -503; tmj105; 23312-c0600; 1.01.0429.0

Servicing: 23300-C0600; S108-77; S114-139; -84; -269; -305; -340; -350; -351; -363

O.D. 30.00, **I.D.** 12.55, **L.** 76.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



132447 Drive

Replacing: 2114-15002; -6; 2114-75005; x-2114150060

Servicing: 128170-77010; S114-213A; s114-225; -8; -45; -73; -303

O.D. 28.00, **I.D.** 9.70, **L.** 62.00, **No. of teeth** 9, **Splines** 5, **Rotation** CR, **Drive type** Steel



132448 Drive

Replacing: 2114-15508; 5-81123036-0; 1.01.0832.0

Servicing: 5811001921; -2151; S114-385; -7; -96; -412

O.D. 29.20, **I.D.** 12.50, **L.** 77.00, **No. of teeth** 9, **Splines** 5, **Rotation** CR, **Drive type** Steel



132449 Drive

Replacing: 2114-55003; 1.01.0644.0

Servicing: S114-203; -19; -30; S114-230A; s114-235; S114-235A

O.D. 34.00, **I.D.** 12.55, **L.** 62.00, **No. of teeth** 11, **Splines** 5, **Rotation** CR, **Drive type** Steel



132450 Drive/Clutch Assy

Replacing: 2130-1502; 2130-65001; 23354-v0700

Servicing: S13-47A; -9A; -50A; -56A; s13-60

O.D. 35.20, **L.** 86.50, **No. of teeth** 9, **Drive type** Steel

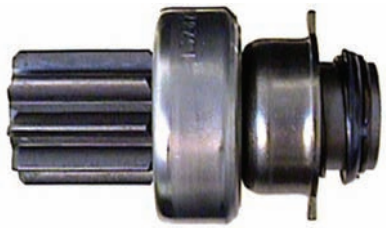


132453 Drive

Replacing: 2130-5500; 2130-7500; 2250-45003; 2250-85004; tmj120; 23312-c6800; 23312-j2003; 1.01.0580.0; 1.01.08

Servicing: 23300-61504; S13-14; -5; S25-131; S25-131A; S25-155; S25-155C; -D; S25-75; S25-75A

O.D. 40.00, **I.D.** 14.00, **L.** 69.60, **No. of teeth** 11, **Splines** 12, **Rotation** CR, **Drive type** Steel



132823 Drive

Replacing: 2114-15008; 2114-75003; -503; 31207-671-015; tmj461; 1.01.0516.0

Servicing: S114-272

O.D. 29.70, **I.D.** 12.45, **L.** 78.50, **No. of teeth** 9, **Splines** 5, **Rotation** CR, **Drive type** Steel

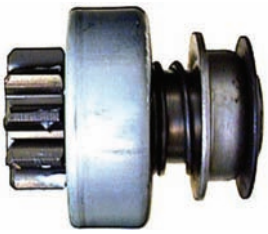


132845 Drive

Replacing: 2250-9550; 23314-z9000

Servicing: S24-64B; -E; -5-128; s25-64; S25-64B; -E

O.D. 40.00, **I.D.** 14.00, **L.** 75.00, **No. of teeth** 11, **Splines** 12, **Rotation** CR, **Drive type** Steel



132918 Drive

Replacing: 2130-45002

Servicing: S12-84; -3-73; -3-74

O.D. 39.00, **I.D.** 13.90, **L.** 69.50, **No. of teeth** 10, **Splines** 12, **Rotation** CR, **Drive type** Steel



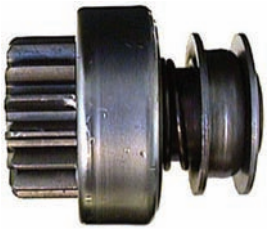
133058 Drive

Replacing: 2250-25003; -4; 2250-45004; 2250-85005; 2250-95001; 2270-8500; 23312-t9003; 1.01.0901.0

Servicing: 124617-77011; 1811001521; -2330; 23300-06J02; -4; -34T00; -C8601; -Z5515; S25-110F; -G; -I; s25-115

O.D. 40.40, **I.D.** 16.00, **L.** 78.00, **No. of teeth** 11, **Splines** 12, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



133266 Drive

Replacing: 2120-45001; 2130-55005; 2130-65002; 2250-6500; 1.01.0785.0; 2250-65002; 2250-550; 2250-7500; 2280-35

Servicing: 120130-77010; 121370-77010; 121750-77011; s12-47; -52; s12-77a; s12-79; -83; -3-24; s13-24a; s13-37

O.D. 44.50, **I.D.** 13.90, **L.** 69.00, **No. of teeth** 15, **Splines** 12, **Rotation** CR, **Drive type** Steel



133360 Drive

Replacing: 2114-25540; 2114-95005; -505; 1.01.0554.0

Servicing: 23300-15A00; -6; -M8101; -M8501; s114-317a; -8a; -45a; -45B; s114-377; -8; S114-378A

O.D. 28.60, **I.D.** 12.60, **L.** 65.00, **No. of teeth** 9, **Splines** 5, **Rotation** CR, **Drive type** Steel



133361 Drive

Replacing: 2120-15501; 2130-9500; 1.01.0684.0

Servicing: S12-62; -3-29; -3-32; S13-32A

O.D. 34.50, **I.D.** 14.00, **L.** 69.50, **No. of teeth** 9, **Splines** 12, **Rotation** CR, **Drive type** Steel



133437 Drive/Clutch Assy

Replacing: 2130-35004; 1.01.0844.0; -1; 1367094

Servicing: S13-91

O.D. 25.00, **L.** 87.00, **No. of teeth** 9, **Drive type** Steel
w/ bearing.



133445 Drive

Replacing: 2114-35507; 2114-95008; -507; 1.01.0791.0

Servicing: s114-252; S114-252F; -322A; S114-393

O.D. 28.00, **L.** 87.00, **No. of teeth** 8, **Drive type** Steel



133465 Drive

Replacing: 2114-45002; 1.01.0691.0

Servicing: 124450-77010; 124772-77020; S114-146; -244; S114-244A; S114-417

O.D. 44.00, **I.D.** 12.30, **L.** 62.00, **No. of teeth** 15, **Splines** 10, **Rotation** CR, **Drive type** Steel



133605 Drive/Clutch Assy

Replacing: 2130-35009; 2130-75002; -3; -504; 2130-85003; -4; 8-94149250-0; 23312-25f00; 44-6676; -81; 1.01.0792

Servicing: 5811001992; 8944532120; 8971463383; 8972105050; S114-338A; -9A; -9C; -9D; S114-371; S114-371A; -B;

O.D. 32.50, **L.** 87.00, **No. of teeth** 9, **Drive type** Steel



134917 Drive

Replacing: 2114-45012; 23312-42l60; 1.01.0634.0

Servicing: 23300-01N01; -37J05; -G8401; 8944681501; S114-472; S114-472A; S114-505; S114-505A; S114-509; -26; S

O.D. 29.60, **I.D.** 12.60, **L.** 49.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel

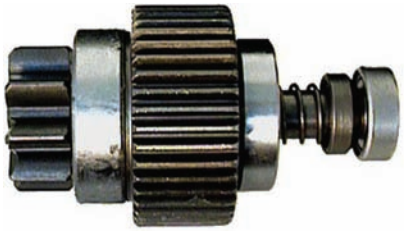


135091 Drive/Clutch Assy

Replacing: 2114-15507; 2114-45014; 2114-85501; 2130-75004; 2130-95007; 23312-10g00; 23312-11m00; 23312-w1700; 1

Servicing: 23300-0Y000; -5; -11M02; -1S900; -1W400; -2S000; -37J00; -37J05; -52H00; -54A05; -58N00; -65N51; -6

O.D. 35.50, **L.** 87.00, **No. of teeth** 9, **Drive type** Steel



135718 Drive/Clutch Assy

Replacing: 2130-15005; -505; 23312-43g00
Servicing: S13-106A; -B; -C; -E; S13-117; S13-117A; S13-122; -6; S13-126A; S13-127; S13-127C
O.D. 35.00, **L.** 93.50, **No. of teeth** 9, **Drive type** Steel



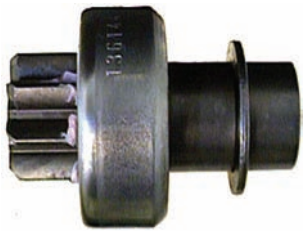
135719 Drive/Clutch Assy

Replacing: 2240-4500; 2240-7500; 23312-02n00
Servicing: 23300-0T610; -2T710; -K6700; S13-107A; S24-05A; -B; S24-08; S24-08A; S24-10; -1
O.D. 35.00, **L.** 100.30, **No. of teeth** 9, **Splines** 11, **Drive type** Steel



135888 Drive

Replacing: 2114-65013; 1.01.0666.0
Servicing: 23300-77A01; S114-517; S114-517C; -20A; S114-530; -3
O.D. 28.00, **I.D.** 12.55, **L.** 49.00, **No. of teeth** 8, **Splines** 10, **Rotation** CR, **Drive type** Steel



136144 Drive

Replacing: 2114-45508; 1.01.0757.0
Servicing: S114-414; S114-414A; S114-651
O.D. 28.00, **I.D.** 12.50, **L.** 60.00, **No. of teeth** 8, **Splines** 10, **Rotation** ACR, **Drive type** Steel



136208 Drive

Replacing: 2108-75002; 2108-f3500; 1.01.0536.0; 2108F-3500
Servicing: s108-116; -28K; S108-61; S108-61A; -B; -C; -D; -E; -F; -G; S108-66
O.D. 30.00, **I.D.** 11.90, **L.** 39.50, **No. of teeth** 9, **Splines** 6, **Rotation** ACR, **Drive type** Steel
w/ 10 holes.



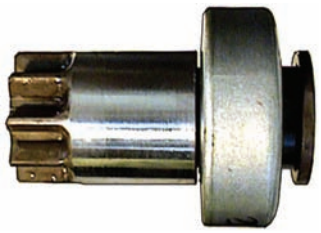
136228 Drive

Replacing: 2114-35551; 23312-12g02
Servicing: 23300-12G05; -88G01; S114-503; S114-507A; S114-516; S114-516A; S114-528; S114-528A
O.D. 29.60, **L.** 78.00, **No. of teeth** 9, **Splines** 5, **Rotation** CR, **Drive type** Steel



137277 Drive/Clutch Assy

Replacing: 2130-25005; 2140-1500; 2140-15003; 8-94435563-0
Servicing: 8943876530; 8944339122; 8944604170; S13-111; -2; -3; -4; S13-114A; S13-136; S14-03; S14-203
O.D. 32.00, **L.** 96.00, **No. of teeth** 9, **Drive type** Steel



137413 Drive

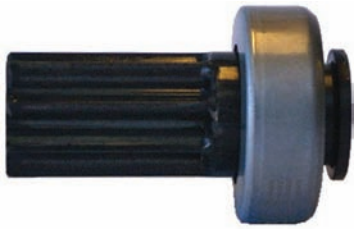
Replacing: 2114-75014; 2114-95014; 23312-53j01; 1.01.0828.0
Servicing: 105312-77011; 23300-52F01; -3J00; -65F01; -80F00; S114-558; -659; S114-700A; -B; -1A; -1B; S114-701
O.D. 29.20, **L.** 66.10, **No. of teeth** 9, **Splines** 4, **Rotation** CR, **Drive type** Steel



137752 Drive/Clutch Assy

Replacing: 2114-65509; 23312-36a00; 1.01.0793.0
O.D. 28.00, **L.** 94.00, **No. of teeth** 8, **Rotation** ACR, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



137939 Drive

Replacing: 2114-45016; 23312-31u00; 1.01.1016.0

Servicing: S114-801A

O.D. 28.00, **I.D.** 12.60, **L.** 74.80,
No. of teeth 8, **Splines** 10, **Rotation** ACR,
Drive type Steel



138712 Drive

Replacing: 2114-85553; 23312-20p05

Servicing: 23300-20P05; S114-780

O.D. 34.00, **I.D.** 10.30, **L.** 39.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



138958 Drive

Replacing: 2114-25554; 139698-77220

Servicing: 129052-77010; 129698-77010; S114-808; -14; S114-814A; S114-815; -7; S114-817A; S114-839; -83; -84

O.D. 34.50, **I.D.** 12.40, **L.** 38.50,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



139132 Drive

Replacing: 2114-15016; 23312-50y01; 1.01.1020.0

Servicing: 119233-77010; 23300-08U00; -M302; -50Y04; -65F05; S114-750; -8; S114-762A; -B; S114-765; -6; S114-7

O.D. 28.00, **I.D.** 12.30, **L.** 38.80,
No. of teeth 8, **Splines** 10, **Rotation** CR,
Drive type Steel



139841 Drive

Replacing: 2240-2500; 2240-8500; 2240-9500

Servicing: 8943334380; S24-03B; -C; -5-161

O.D. 35.40, **L.** 100.00, **No. of teeth** 9,
Rotation CR, **Drive type** Steel

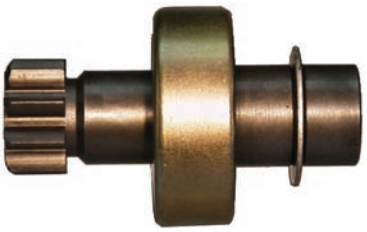


139843 Drive

Replacing: 2240-5500; 2240-1501

Servicing: 8944234520; S24-07; -12

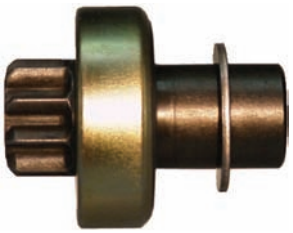
O.D. 32.00, **L.** 100.00, **No. of teeth** 9,
Rotation CR, **Drive type** Steel



139897 Drive

Servicing: s114-553; s114-553a

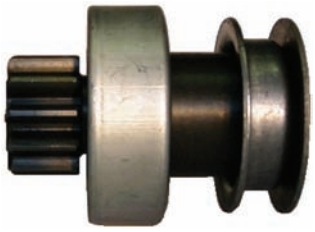
O.D. 26.00, **I.D.** 12.15, **L.** 77.00,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



139899 Drive

Servicing: s114-554a

O.D. 26.00, **I.D.** 12.15, **L.** 60.00,
No. of teeth 9, **Splines** 5, **Rotation** CR,
Drive type Steel



139957 Drive

Replacing: 2280-35001; 2280-55001; 2280-7500; 23313-99018; -9; -113

Servicing: 23300-96106; s28-23b; s28-25; -41; -42

O.D. 40.50, **I.D.** 18.00, **L.** 97.50,
No. of teeth 11, **Splines** 8, **Rotation** CR,
Drive type Steel



230247 Drive

Replacing: 2114-25016; 23312-2j200

Servicing: 23300-2J200; -1; -5; -6; -5J201; S114-804; S114-804A; S114-805; S114-805A; s114-806; S114-806A; -18

O.D. 29.15, **I.D.** 10.45, **L.** 62.25,
No. of teeth 8, **Splines** 10, **Rotation** CR,
Drive type Steel



230556 Drive/Clutch Assy

Replacing: 2130-35008; 129900-77510

Servicing: 129900-77010; S13-204

O.D. 36.70, **L.** 100.50, **No. of teeth** 9,
Drive type Steel



230760 Drive

Replacing: 6k8-8180710-00; 1.01.0754.0; 230760

O.D. 32.85, **I.D.** 12.00, **L.** 39.55, **No. of teeth** 11, **Splines** 6, **Rotation** ACR, **Drive type** Steel

w/ lever.



231795 Drive

Servicing: s114-829; s114-829a; -b; -C; -D

O.D. 33.15, **I.D.** 12.55, **L.** 38.75, **No. of teeth** 13, **Splines** 10, **Rotation** CR, **Drive type** Steel

Shaft assy: Cargo 233436.



231804 Drive

Replacing: 2114-45100; 23312-31u01; 1.01.1017.0

Servicing: 23300-31U02; S114-801B; -C

O.D. 32.00, **I.D.** 12.50, **L.** 75.00, **No. of teeth** 10, **Splines** 10, **Rotation** ACR, **Drive type** Steel



231887 Drive/Clutch Assy

Replacing: 2114-15012

Servicing: s114-441a; -b

O.D. 70.30, **L.** 77.30, **No. of teeth** 25, **Splines** 40, **Splines** 10, **Drive type** Steel



231957 Drive

Replacing: 2130-3500; 54-8126; 1.01.0539.0

Servicing: S13-61A

O.D. 39.35, **I.D.** 14.00, **L.** 69.00, **No. of teeth** 10, **Splines** 12, **Rotation** CR, **Drive type** Steel



233120 Drive

Replacing: 2114-75100

Servicing: 23300-4J606; S114-871

O.D. 34.20, **L.** 63.25, **No. of teeth** 10, **Splines** 10, **Rotation** CR, **Drive type** Steel



233176 Drive

Replacing: 23312-1e400; 1.01.1021.0; 233176

Servicing: S114-754A

O.D. 27.75, **I.D.** 12.25, **L.** 48.60, **No. of teeth** 8, **Splines** 10, **Rotation** CR, **Drive type** Steel



233436 Drive/Shaft Assy

L. 98.5, **Rotation** CR

Only drive: Cargo 231795.



233967 Drive

Replacing: 23312-24900; 2114-35556; 23312-2y900

Servicing: S114-801D

O.D. 34.25, **I.D.** 12.65, **L.** 45.75, **No. of teeth** 11, **Splines** 10, **Drive type** Steel

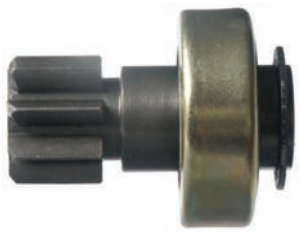


234866 Drive

Replacing: 2240-2501; 2240-6501; 8-97161793-0

Servicing: S25-163; S25-163A; -B; -C; -E; -f; -g; S25-167

O.D. 40.35, **L.** 115.40, **No. of teeth** 11, **Rotation** ACR, **Drive type** Steel



235004 Drive

Replacing: 2114-35016

Servicing: S114-769; s114-769a

L. 61.00, **No. of teeth** 8, **Splines** 10, **Rotation** ACR



235501 Drive

Replacing: 2130-65006; X-2130650060

Servicing: S114-451A; S114-477; -851; S114-851A; S13-125

O.D. 29.45, **L.** 87.15, **Shaft L.** 72.00, **No. of teeth** 9, **Splines** 10, **Splines** 41, **Rotation** CR, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



235510 Drive

Servicing: S14-100D; -e

O.D. 36.00, **L.** 92.00, **No. of teeth** 9



236418 Drive

Replacing: 2114-15017

Servicing: S114-844

O.D. 21.14, **L.** 85.55, **No. of teeth** 8, **Splines** 5, **Drive type** Steel

---

Drive Parts

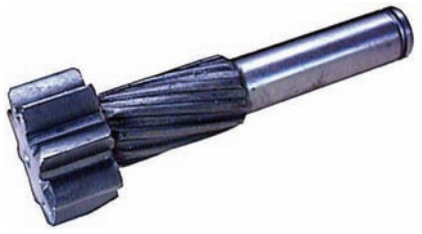


132003 Pinion

Replacing: 2114-15554; 2114-5508; 2114-55508; 2130-3503; 8-94334787-0

Servicing: 8943447043; S114-264; -446; -453; -454; -457; -459; -473; -480; S114-480A; S114-481; -8; -850; S13-

O.D. 29.30, **H.** 87.30, **No. of teeth** 9, **Splines** 10



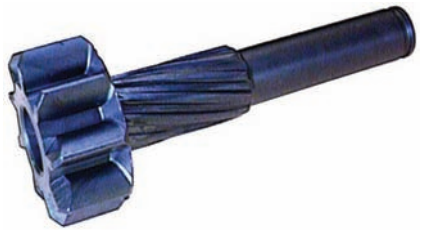
133041 Pinion

Replacing: 2114-65008

Servicing: 114351-77020; s114-252; S114-252F; s114-322; S114-322A; S114-393; -478

O.D. 27.90, **I.D.** 12.00, **H.** 87.15, **No. of teeth** 8, **Splines** 10

Pkg 5



133042 Pinion

Replacing: 2114-95501; 2130-2501; 23357-v0700; 2130-6503

Servicing: 23300-0Y000; -5; -11M02; -37J00; -37J05; -52H00; -54A05; -83W00; S114-293; -357; S114-357A; -B; -C;

O.D. 35.30, **I.D.** 13.00, **H.** 87.10, **No. of teeth** 9, **Splines** 10



133436 Pinion

Replacing: 1377095; 133436

Servicing: s13-91

O.D. 25.35, **H.** 87.50, **No. of teeth** 9, **Splines** 10



133606 Pinion

Replacing: 2130-95003; 23357-25f00

Servicing: S13-84; -7; -9; S13-89A

O.D. 32.20, **I.D.** 11.90, **H.** 87.00, **No. of teeth** 9, **Splines** 10



133916 Pinion

Replacing: 2240-4510; 23357-02n00

Servicing: S13-107; S13-107A

O.D. 35.55, **I.D.** 12.90, **H.** 98.30, **No. of teeth** 9, **Splines** 11

Pkg 10



134232 DP Disc

O.D. 41.85, **I.D.** 22.55, **Th.** 0.60



135010 Pinion

Replacing: 2130-2503; 2130-25032; 8-94324622-0

Servicing: 8943876530; 8944339122; 8944604170; S13-111; -2; -3; -4; S13-114A; S13-136; S14-03

O.D. 32.60, **H.** 93.50, **No. of teeth** 9, **Splines** 10



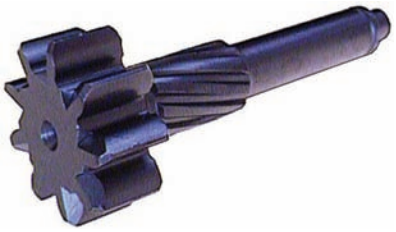
135047 Pinion

Replacing: 2114-15509; 2114-35014; 2114-55013; 23357-16e01; 23357-43l03; -9

Servicing: 23300-26V05; -6; -7N02; -66N00; -85E02; 23310-16E05; S114-430A; -b; -C; -1A; -1B; -1C; -2A; S114-43

O.D. 59.65, **H.** 77.60, **No. of teeth** 21, **Splines** 10

Anti CW rotation.



135271 Pinion

Replacing: 2130-1503; 23357-43g00
Servicing: S13-106A; -B; -C; -E; S13-117; S13-117A; S13-122; -6; S13-126A; S13-127; S13-127C
O.D. 35.55, **H.** 93.35, **No. of teeth** 9, **Splines** 10

Pkg 10



135360 DD Washer

Servicing: 51,85x27,55x0,5mm
O.D. 51.85, **I.D.** 27.55, **Th.** 0.50, **Material** Steel



135364 Pinion

Replacing: 2114-75509; 23357-36a00
O.D. 27.60, **I.D.** 12.00, **H.** 94.40, **No. of teeth** 8, **Splines** 10
Anti CW rotation.



137707 Pinion

Replacing: 2114-95009; 2130-95006
Servicing: 124976-77011; 129136-77011; 129137-7010; 129150-77010; 129400-77012; 171008-77010; S114-257; S114-2
O.D. 44.00, **I.D.** 20.85, **H.** 90.00, **No. of teeth** 15, **Splines** 10



138343 Pinion

Replacing: 2130-5503
Servicing: 23300-3M000; -5; -57J05; S13-129; -31; -329; -331; -529; -531
O.D. 39.00, **I.D.** 15.80, **H.** 88.10, **No. of teeth** 10, **Splines** 10



138610 Pinion

Replacing: 2240-2510; 8-94152976-0
Servicing: 8943334380; S24-03B; -C
O.D. 35.55, **H.** 100.15, **No. of teeth** 9, **Splines** 11

Pkg 10



139208 Clutch Washer

O.D. 39.25, **I.D.** 22.85, **Th.** 0.50, **Material** Steel



139844 Pinion

Replacing: 2240-5510
Servicing: 8944234520; S24-07
O.D. 32.30, **H.** 100.25, **No. of teeth** 9, **Splines** 11



230557 Pinion

Replacing: 2130-8503; 129900-77540
Servicing: 129900-77010; S13-204; -5
O.D. 35.50, **H.** 97.35, **No. of teeth** 9, **Splines** 10



231888 Pinion

Replacing: 2114-25012
Servicing: s114-441a; -b
O.D. 70.35, **H.** 76.45, **No. of teeth** 25, **Splines** 10



231956 Pinion

Replacing: 2114-2559; 54-81211; 639.0620.5
Servicing: 23300-97E00; -1; S114-755; -6; -7; -844
O.D. 39.85, **I.D.** 18.00, **H.** 21.90, **No. of teeth** 13, **Splines** 6



233438 Pinion

Replacing: 2240-1511; 2240-5511
Servicing: S25-163A; -B; -C; -E; -F; -G; S25-167
O.D. 40.20, **H.** 113.30, **No. of teeth** 11, **Splines** 11

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



233742 Pinion

Replacing: 23357-n5900; 2114-55008
Servicing: s114-121; S114-253B; -4D; -5A; -8C; -90B; -96A; s114-304; -44; S114-374B; -401B; -403B; -429A; S114
O.D. 28.00, **H.** 87.40, **No. of teeth** 9, **Splines** 10

Washers

Pkg 10



134227 DP Washer

O.D. 51.90, **I.D.** 27.00, **Th.** 3.15, **Material** Steel

Pkg 10



134231 DP Disc

O.D. 42.00, **I.D.** 22.00, **Th.** 3.00, **Material** Steel

Pkg 10



135522 Washer

O.D. 33.00, **I.D.** 19.50, **Th.** 0.50, **Material** Fiber

Pkg 10



139207 Clutch Washer

O.D. 40.00, **I.D.** 22.00, **Th.** 3.00, **Material** Steel

Planet Gears



138743 Planet Gear

Replacing: 2250-3113
Servicing: 23300-06J02; -4; -34T00; -C8601; -Z5515; S25-110G; -L; S25-156; -8; S25-158A; -B; S25-160; -2; -4;
L. 142.50, **Splines** 12



234863 Drive

Servicing: 23300-31u00; s114-801a
No. of teeth 8, **Rotation** ACR
Drive only Cargo: 137939.



234864 Drive

Servicing: 23300-2y900; s114-801d
No. of teeth 11, **Rotation** ACR
Drive only Cargo: 233967



234865 Drive

Servicing: 129698-77010; s114-815
O.D. 67.90, **L.** 97.90, **No. of teeth** 11, **Splines** 10
Drive only: Cqargo 234865.



234904 Drive

Servicing: s114-801b; -c
O.D. 67.70, **L.** 134.00, **No. of teeth** 10, **Splines** 10, **Rotation** ACR
Drive only: Cqargo 231804.

Gear Parts



230464 Planetary Gear Shaft

Replacing: 2114-85562
Servicing: 23300-31U02; S114-801A; -B; -C; -D
Front D. 18.20, **L.** 133.20, **No. of splines** 10



230868 Gear Shaft

Replacing: 2114-95560; 23357-50y01
Servicing: 23300-08U00; -20P05; -50Y04; -65F05; S114-750; -8; S114-762A; -B; S114-765; S114-766A; -75A; S114-7
Front D. 17.40, **No. of splines** 10

Pkg 5



231390 Gasket

Th. 2.30, **Material** Rubber

Pkg 5



232591 Vibration Damper

Servicing: S114-505A; -16A; -26B; -700B; -705B; -705C; -705D; -705E; S114-750; -1; -2; S114-755a; S114-758; S1

O.D. 59.00, **Th.** 14.50

Pkg 5



232592 Vibration Damper

Servicing: S114-501; S114-501A; S114-505; S114-507A; S114-509; -17; -18; -23; -26; S114-700A; S114-805; S114-8

O.D. 59.60, **I.D.** 49.30, **H.** 16.35



235485 Gear Shaft

Replacing: 2114-75562; 23357-0m300; 129698-77230

Servicing: S114-800; S114-800A; -B; -2a; S114-814; S114-814A; S114-815; -6; -7; S114-817A; s114-829; -39; -40;

L. 95.80, **Splines** 10

Stationary



137932 Outer Gear

Replacing: 2114-88100; 23361-0m300

Servicing: 119233-77010; 129052-77010; 129698-77010; 23300-0M302; -2J200; -2J201; -2J205; -2J206; -31U02; -4J6

O.O.D. 56.90, **I.D.** 44.65, **H.** 14.55

Gasket only: 231390.



138708 Outer Gear Ring

Replacing: 2114-68100

Servicing: 23300-01N01; -8U00; -12G05; -1P100; -1P160; -20P05; -50Y04; -52F01; -65F01; -65F05; -88G01; -97E00;

O.D. 58.55, **I.D.** 46.65, **H.** 14.40,
No. of teeth 38

Gear Covers



137935 Gear Cover

Replacing: 2114-54102; 2114-84102; 23383-0m300

Servicing: 119233-77010; 129052-77010; 129698-77010; 23300-0M302; -2J200; -2J205; -5J201; S114-800; S114-800A;

Bushing: Cargo 140927.



138706 Gear Wheel Cover

Replacing: 2114-34102; 23383-50y03

Servicing: 23300-08U00; -50Y04; S114-758; -65; S114-775A

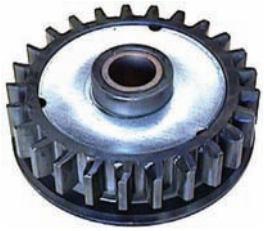


138711 Gear Wheel Cover

Replacing: 2114-74100

Servicing: 23300-1P100; -60; -20P05; -65F05; -97E00; -97E01; S114-750; -1; -2; -5; -6; S114-762A; -B; -6A; S11

Gear Wheels



133655 Gear Wheel

Replacing: 2114-15506; -53

Servicing: 23300-15A00; -6; -M8101; -M8501; S114-317A; -B; -8A; -45A; -45b; S114-377; -8; s114-378a

O.D. 67.25, **I.D.** 12.50, **H.** 28.90,
No. of teeth 25

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 3



137933 Gear Wheel

Replacing: 2114-18101; 2114-98100; 23367-0m300; 2114-88101
Servicing: 119233-77010; 129052-77010; 129698-77010; 23300-0M302; -2J200; -2J201; -2J205; -2J206; -31U02; -4J6
O.D. 20.00, **I.D.** 6.25, **H.** 9.00, **No. of teeth** 15

Pkg 3



138707 Gear Wheel

Replacing: 2114-58100; 23367-1p100
Servicing: 23300-01N01; -8U00; -12G05; -1P100; -1P160; -20P05; -50Y04; -52F01; -65F01; -65F05; -88G01; -97E00;
O.D. 19.80, **I.D.** 6.00, **H.** 7.20, **No. of teeth** 14
w/ bushing.

Gear Plates



137829 Gear Plate

Replacing: 2114-14100; 23383-42l60
Servicing: 23300-01N01; -12G05; -52F01; -65F01; -77A01; -88G01; -G8401; S114-501; S114-501A; S114-505; S114-50
O.D. 51.10



137934 Gear Plate

Replacing: 2114-64102; 23383-0m301
Servicing: 119233-77010; 129052-77010; 129698-77010; 23300-0M302; -2J200; -2J201; -2J205; -2J206; -31U02; -5J2

Pinions



235511 Pinion

Servicing: S14-100D; -e
O.D. 36.00, **H.** 92.00, **No. of teeth** 9

Rubbers

Pkg 10



235041 Rubber/ Washer Kit

Replacing: 2140-2910
Servicing: S14-03
O.D. 52.01, **I.D.** 29.03, **Th.** 0.80, **Material** Steel

Levers



134742 Lever

Replacing: 2114-9652; 23322-h5000
Servicing: 128170-77010; 160910-77010; S108-86; -91; S114-160; S114-160A; -B; -F; -H; -1B; -1E; -1F; -2D; -3B;
L. 84.93, **Lever** 1



134743 Lever

Replacing: 2114-26011; 2114-2658; 23322-u0100
Servicing: S114-170E; -2A; -2E; S114-173; s114-173e; -80F; -80G; S114-182; -228; S114-234A; S114-245; -69; -72
L. 89.50, **Lever** 1



134744 Lever

Replacing: 2114-36013; 23322-w1000
Servicing: S114-296A; S114-459; S13-87
L. 81.30, **Lever** 1



134745 Lever

Replacing: 2114-56012; 8-94435571-0; 23322-43g00; 23322-h9100
Servicing: 23300-05P01; -11M02; -37J00; -37J05; -3M005; -52H00; -K8461; -L1123; 8941433304; 8943447022; -43; S
L. 103.75, **Lever** 1



134746 Lever

Replacing: 2114-56013; 23322-m8000
Servicing: 23300-26V05; 25570-50100; -200; S114-160D; -G; -3E; S114-315; -9; -64; S114-389A; S114-398; S114-41
L. 83.65, **Lever** 1



134747 Lever

Replacing: 2114-66012; 23322-n5900
Servicing: 23300-05P01; -N5903; 8944694963; S114-254D; -5A; -5D; -8C; s114-264; -8; S114-290B; S114-344; -67;
L. 107.50, **Lever** 1



134748 Lever

Replacing: 2114-66013; 23322-m8100
Servicing: 119631-77010; 119865-77011; 23300-01E00; -15A00; -18C03; -53J00; -74Y00; -D0200; -M8101; -M8200; -V
L. 88.85, **Lever** 1



134749 Lever

Replacing: 2114-76013; 23322-m8500
Servicing: 23300-15A06; -M8501; 5811001921; S114-345A; -B; S114-378; S114-378A; S114-385; S114-447A
L. 93.40, **Lever** 1



135722 Shift Lever

Replacing: 2130-1914; 2130-2915; 2240-1914; 135835
Servicing: 23300-40K21; 8943876530; 8944339122; 8944604170; S13-106A; -B; -C; -E; S13-107; S13-107A; S13-111;
L. 109.50



135833 Lever

Replacing: 2120-1605; 23320-j2001
Servicing: 23300-31W02; -7508; S12-19C; S12-23; S12-24A; S12-32; -4; -63; S12-63C; S12-68; S12-68B; -D; -77A;
L. 94.00, **Lever** 1



135836 Lever

Replacing: 2130-7605; 23322-10g00
Servicing: 23300-83W00; S114-257; S13-104; S13-89; S13-92A
L. 83.40, **Lever** 1



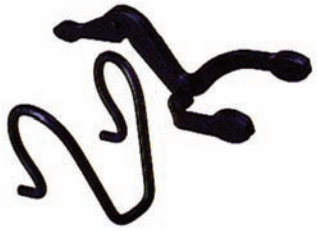
137412 Lever

Replacing: 2114-36015; 2114-86015; 23322-52f05; 23322-97e00
Servicing: 105312-77011; 23300-08U00; -1P100; -1P160; -20P05; -50Y04; -52F01; -65F01; -65F05; -97E00; -97E01;
L. 79.75, **Lever** 1



137533 Lever

Replacing: 2114-26015
Servicing: 23300-4J606; -VB000; S114-480; -850; -851; S114-851A; S114-870; -1
L. 102.55, **Lever** 1



137833 Lever

Replacing: 2114-96014; 23322-12g01
Servicing: 23300-12G05; -88G01; S114-507A; S114-516; S114-516A; S114-528; S114-528A
L. 81.40, **Lever** 1



137938 Lever

Replacing: 2114-76015; 23322-0m300
Servicing: 119233-77010; 129052-77010; 129698-77010; 23300-0M302; -2J200; -2J201; -2J205; -2J206; -31U02; -5J2
L. 76.00, **Lever** 1
Spring: Cargo 134740.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



138152 Lever

Replacing: 2130-2605; 5-81127013-0; 23322-61502; 121254-77700
Servicing: 120130-77010; 120140-77010; 120320-77311; 121750-77011; 123500-77010; 124610-77010; 124617-77011; 1
L. 96.25, **Lever** 1



139175 Lever

Replacing: 2114-8652; 23322-n3300
Servicing: 124450-77010; 124772-77020; 23300-C0600; -N3304; S114-146; -80; S114-182G; S114-184; -216; -230; S1
L. 94.20, **Lever** 1



139765 Lever

Replacing: 2114-66014; 23322-42l60
Servicing: 23300-01N01; -77A01; -G8401; S114-501; S114-501A; S114-505; S114-505A; S114-509; -17; S114-517C; S1
L. 80.90, **Lever** 1



230866 Lever

Replacing: 2114-46012; 5-81127027-0; x-2114460120; 2114-6012
Servicing: 105891-77010; 120370-77011; 120380-77010; 129136-77011; 129137-7010; 129150-77010; 129400-77012; 17
L. 82.80, **Lever** 1



231287 Lever Kit

Replacing: 2240-2650; 8-94152980-0
Servicing: 119131-77010; 129900-77030; 8943334380; 8943773510; 8944234520; S24-03B; -C; S24-07; -12; -13; -14;
L. 108.50



233376 Lever

L. 79.35, **Lever** 1



233608 Lever

Replacing: 2114-16015
Servicing: 23300-26V05; -6; -7N02; -66N00; -85E02; 23310-16E05; S114-460; S114-460A; -B; S114-461; S114-461A;
L. 111.15, **Lever** 1



235313 Lever

Replacing: 2130-2914; 23322-6t000
Servicing: s13-107a; -17a; -26a; s13-127; -212; -213; S13-307A; S13-317; -22; -26; -27; -4-205; -4-206
L. 109.16, **Lever** 1



235371 Lever

Replacing: 2114-16016; 23322-77A04; 114371-77180
Servicing: 114351-77011; 114362-77011; 119226-77010; 119631-77011; 119865-77012; 124097-77010; -50; 124195-770
L. 82.40, **Lever** 1

Lever Parts

Pkg 5



134739 Spring

Replacing: 2114-1657; 2114-2657
Servicing: S108-63; S114-177; -245; -269; -271; -272; -298; -305; -340; -351; -363
L. 30.70
Assort. 803022

Pkg 5



134740 Spring for Lever

Replacing: 2114-7657
Servicing: S114-388D; S114-396; -473; -610; -618; S114-618A; -B
L. 35.25
Assort. 803022

Clutches



132459 Clutch

Replacing: 2114-25500; -5; 2114-2553; 2114-35500; -50; 2114-4502; 2114-45550; 2114-5502; -50; 2114-55550; -2; 2

Servicing: 105891-77010; 119256-77010; 124976-77011; 129136-77011; 129137-7010; 129150-77010; 129400-77012; 17

O.D. 52.00, **H.** 50.00

Bearing: Cargo 140223, 140226.



133904 Clutch

Replacing: 2240-3550; 23354-10t00

Servicing: 23300-0T610; -K6700; S13-107; S13-107A; S13-118; S24-05B; S24-08; S24-08A; S24-10; -1

O.D. 64.50



135059 Clutch

Replacing: 2114-25509; 2114-45015; -9; 2114-65012; 23354-16e01; 23354-36a00; 1.01.0793.1; 238527

Servicing: 23300-26V05; -6; -7N02; -66N00; -85E02; 23310-16E05; S114-430A; -B; -C; -1A; -1B; -1C; -2A; S114-43

O.D. 52.00, **Splines** 10

Anti CW rotation.



139842 Clutch

Replacing: 2240-4550; 2240-5550; 2240-2550; 2240-4559

Servicing: 119131-77010; 8943334380; S24-03B; -C; S24-07; -13; S25-161

O.D. 64.50, **L.** 57.42, **Splines** 41, **Splines** 11, **Rotation** CR



233437 Clutch

Replacing: 2240-7550

Servicing: S25-163A; -B; -C; -E; -F; -G; S25-167

O.D. 64.50, **L.** 69.30, **Splines** 11



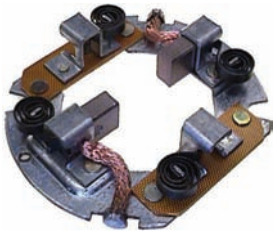
233887 Drive

Replacing: 2130-8502; 129900-77520

Servicing: S13-204; -5

O.D. 53.17, **L.** 55.25

Brush Gears



132019 Brush Gear

Replacing: 2120-5310; 23330-g7000

Servicing: 23300-31W02; -7508; S12-19C; S12-23; -63; S12-63C; S12-68; S12-68B; -D; -77A; S12-78; -9; -82

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

w/ neg. brushes. Brush set: Cargo 140339.



132090 Brush Gear

Replacing: 2114-29007; 2114-39001; 2114-4311; 2114-49007; 2114-69008; 2114-79001; 2114-89007; 23378-05e00; 2337

Servicing: 105891-77010; 114351-77020; 119256-77010; 124976-77011; 129150-77010; 171008-77010; 23300-05P01; -1

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

w/ neg. brushes. Brush set: Cargo 140339.



132424 Brush Gear

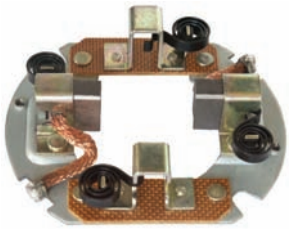
Replacing: 2114-23003; 2114-33001; -101; 2114-3311; 2114-53003; 2114-89001; 23378-h5000; 2114-53001

Servicing: 128170-77010; S108-63; -78; S114-160; S114-160A; -B; -D; -F; -G; -H; -1B; -1E; -1F; s114-162; S114-

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

w/ neg. brushes. Brush set: Cargo 140336.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



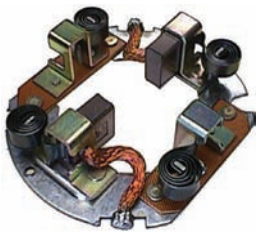
132425 Brush Gear

Replacing: 2120-5305; 2250-4305; 5-81116017-0; 23330-z9000; 133329

Servicing: 120320-77311; 23300-T3402; 461205-00821; 5811001292; s12-52; -8; -61; -62; -88; S24-64B; -E; S25-10

V. 12/24, **Brush** With, **Brush gear** 1, **Spring terminal** With

w/ neg. brushes. Brush set: Cargo 140377.



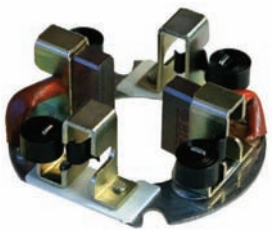
132922 Brush Gear

Replacing: 2130-13021

Servicing: S13-24A; S13-73; -4

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

w/ neg. brushes. Brush set: Cargo 140377.



133057 Brush Gear

Replacing: 2130-7305; 2250-13015; 2250-23015; 2250-43015; 2250-5310; 2250-7310; 5-81118012-0; 23330-j5500; 2333

Servicing: 120130-77010; 121750-77011; 124610-77010; 124617-77011; 129612-77011; 23300-06J02; -4; -34T00; -C86

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

w/ neg. brushes. Brush set: Cargo 140378.



133328 Brush Gear

Replacing: 2120-3305y

Servicing: 121370-77010; S12-19; S12-19K; -24A; -34a; -41a; S12-47; -59

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

---



133332 Brush Gear

Replacing: 2114-43101; 2114-93101; 31231-671-0050; 23378-n3301; 133330; -1

Servicing: 124772-77020; 23300-01E00; -15A00; -D0200; -M8200; -M8501; -N3304; s114-146; -70; s114-170b; -E; -2

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

w/ neg. brushes. Brush set: Cargo 140334.



133333 Brush Gear

Replacing: 2114-5360; 2114-99001; -8; 31231-pd4-0050; 5-81118038-0; 23378-m8100

Servicing: 23300-18C03; -W0403; S114-207; -44; S114-244A; s114-315; -6; S114-317A; s114-319; -20; S114-345B; s

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

w/ neg. brushes. Brush set: Cargo 140334.



133334 Brush Gear

Replacing: 2130-4305; 5-81116021-0

Servicing: 23300-61504; S13-14; -8; -24; -28; -31; -32; S13-32A; S13-55

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

w/ neg. brushes. Brush set: Cargo 140377.



133653 Brush Gear

Replacing: 2114-19008

Servicing: 114362-77020; S114-489

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

w/ neg. brushes. Brush set: Cargo 140338.



133730 Brush Gear

Replacing: 2130-13022; 2130-1306; 2130-2306; 2130-53021; -2; 2130-73021; -2; 2130-93021; 2130-9305; 2240-1310;

Servicing: 119131-77010; 129137-7010; 129900-77030; 23300-0T610; -Y000; -Y005; -1S900; -2S000; -2T710; -3M005;

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

w/ neg. brushes. Brush set: Cargo 140567.



137121 Brush Gear

Replacing: 2114-23106; 2114-53104; -5; 2114-63104; 2114-73105; 23378-1e400; 23378-om300; 137949

Servicing: 119233-77010; 129052-77010; 129698-77010; 23300-08U00; -M302; -1P100; -20P05; -2J200; -2J201; -2J20

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

---



137454 Brush Gear

Replacing: 2114-33102; 49204-6501

Servicing: S114-419; -24

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

---



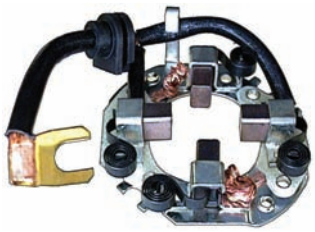
137653 Brush Gear

Replacing: 23378-53j00; 23378-ka010; 2114-23103

Servicing: S114-456; -556; -558

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

---



137750 Brush Gear

Replacing: 2114-23104; 2114-39008; 2114-83102; 2114-93102

Servicing: 23300-12G05; -88G01; s114-364; -505; S114-505A; -7A; S114-509; -16; S114-516A; S114-517; -8; S114-5

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Brush set: Cargo 140786.



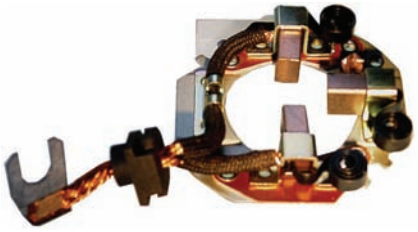
139166 Brush Gear

Replacing: 2114-83105; 2114-93104; 23378-41b00; 23378-53y00

Servicing: 114351-77011; 114362-77011; 119226-77010; 119631-77011; 160891-77020; 23300-73Y01; -M8202; 25570-50

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

---



139986 Brush Gear

Replacing: 2114-69007

Servicing: S114-398; -418; -435; S114-435A; -B; -D; -E; S114-550; S114-550A

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

---



230061 Brush Gear

Replacing: 2114-63102; 23378-16e01

Servicing: 23300-26V05; -6; -7N02; -66N00; -85E02; 23310-16E05; S114-430A; -B; -C; -1A; -1B; -1C; -2A; S114-43

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

w/ neg. brushes. Brush set: Cargo 140334.



233637 Brush Gear

Replacing: 2240-4310

Servicing: S25-163A; -B; -C; -E; -F; -G; S25-167; -8; S25-168A; S25-171; -501; S25-501A; -B

V. 24, **Brush** With, **Brush gear** 1, **Spring terminal** With

w/ neg. brushes. Brush set: Cargo 140567.

Brush gears parts

Pkg 10



133731 Brush Spring

Replacing: 2130-6313; 2130-8313; 8-94242064-0; 23333-10g00; 23333-w2500; 133734

Servicing: 129136-77011; 129137-7010; 129900-77010; 129910-77020; 23300-0Y000; -5; -1S900; -1W400; -2S000; -3M

L. 25.85

Assort. 803022; 803041

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



138709 Brush Spring

Replacing: 2114-2317; 2114-4317; 23333-1p100; 23333-50y02

Servicing: 23300-08U00; -M302; -1P100; -20P05; -2J200; -2J201; -2J205; -2J206; -31U02; -4J606; -50Y04; -5J201;

O.D. 8.80, **L.** 18.50

Pkg 4



231285 Brush Spring

Replacing: 2130-4313; 23333-61503

Servicing: 120320-77311; 1811001570; -800; 23300-61504; -T3402; 461205-00821; 5811001292; S12-52; -8; -62; -3-

O.D. 15.00, **L.** 26.75

Pkg 10



231298 Brush Spring

Replacing: 2114-4314; 2114-9314; 23333-m8000

Servicing: 119631-77010; 119865-77011; 124395-77010; 124450-77010; 124770-77010; 124772-77020; 23300-01E00; -N

O.D. 11.55, **L.** 22.90

Pkg 4



231389 Brush Spring

Replacing: 2114-8314; 23333-m4901

Servicing: 105891-77010; 114351-77020; 114362-77020; 119256-77010; 124976-77011; 129150-77010; 171008-77010; 2

O.D. 12.80, **L.** 23.20

Pkg 4



231487 Brush Spring

Replacing: 2130-5313; 2240-1314; 1-81129178-0; 8-94152972-0; 23333-t9001; 23333-z9001; x-2130531300

Servicing: 119131-77010; 120130-77010; 120140-77010; 121750-77011; 123500-77010; 123900-77010; 124610-77010; 1

O.D. 14.20, **L.** 25.65

Brush Sets



140334 Brush Set

Replacing: 2114-33122; 2114-33122/43133; 2114-4313; 2114-4313/8312; 2114-43133; 2114-5312/5313; 2114-5312/8313;

Servicing: 119631-77010; 119865-77011; 124450-77010; 124770-77010; 124772-77020; 128170-77010; 23300-01E00; -1

V. 12, **L.** 18.58, **Th.** 6.88, **H.** 10.88,
No. of brushes 4
Assort. 803023; 803038



140335 Brush Set

Replacing: 2114-1315; jhtsx-2; 23331-43600

V. 12, **L.** 17.20, **Th.** 6.45, **H.** 18.90,
No. of brushes 4
Assort. 803023



140336 Brush Set

Replacing: 2114-19003; 2114-19003/29003; 2114-2315; 2114-2315/6313; 2114-29003; 2114-3315; 2114-3315/6313; 2114

Servicing: 23300-V5202; s108-116; -34B; S108-61; S108-61A; -B; -C; -D; -E; -F; -G; S108-63; -6; -89; S114-141;

V. 12, **L.** 16.23, **Th.** 6.84, **H.** 10.82,
No. of brushes 4
Assort. 803023; 803038

Pkg 5



140337 Brush Set

Replacing: 2250-2323; 2250-2323/4322; 2250-4322; 5-81119001-0; jhtsx-29; taj114; 23331-z9000; -1; 2250-1324; ja

Servicing: 120320-77311; 23300-T3402; 461205-00821; 5811001292; S13-15; -61; S24-64B; -E; S25-100A; S25-103; S

V. 12, **L.** 19.18, **Th.** 8.80, **H.** 19.19,
No. of brushes 4
Assort. 803023



140338 Brush Set

Replacing: 2114-1316; 2114-23123/33123; 2114-33123; 2114-59002; 2114-59002/6315; 2114-59002/69002; 2114-6315; 2

Servicing: 105891-77010; 114351-77020; 114362-77020; 119256-77010; 120370-77011; 120380-77010; 124976-77011; 1

V. 12, **L.** 16.00, **Th.** 6.77, **H.** 13.81,
No. of brushes 4
Assort. 803023; 803038

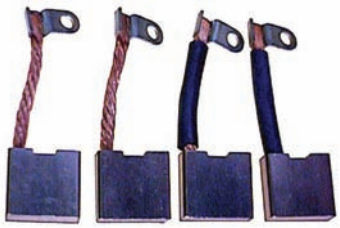


140339 Brush Set

Replacing: 2120-7312; 2120-7312/9311; 2120-9311; jhtsx-33; taj103; -11; 23379-37500; -2; -3; 23379-g7000; 23380

Servicing: 23300-31W02; -7508; S12-19C; -41A; S12-59; -63; S12-63C; S12-68; S12-68B; -D; -77A; S12-78; -9; -82

V. 12, **L.** 22.25, **Th.** 7.85, **H.** 14.22,
No. of brushes 4
Assort. 803023



140340 Brush Set

Replacing: 1811-1631; 2108-2305; jhtsx-8m; taj102; 23379-09900; 23380-10600; 2108-4305; 2108-6305; 2108-2306; 2

Servicing: S108-56; S114-150; -1; S114-156A; S114-91

V. 12, **L.** 14.45, **Th.** 5.95, **H.** 15.95,
No. of brushes 4
Assort. 803023



140341 Brush Set

Replacing: 2114-6312; jhtsx-9m; taj105; 23379-19900; 23379-23380; 23380-19900; 2114-2313; jasx32-33

Servicing: S114-152

V. 12, **L.** 16.60, **Th.** 6.80, **H.** 15.70,
No. of brushes 2
Assort. 803023



140362 Brush Set

Replacing: 31208-657-040; -300; jndsx-32; taj403; -10; 028099-2620; -70; -770; 028531-0450; -946; 28140-34030;

Servicing: 028000-3641; -2; -4000; -4020; -4200; -4243; -4250; -4323; -4340; -4343; -4450; -4510; -4730; -4940

V. 12, **L.** 14.52, **Th.** 6.92, **H.** 15.78,
No. of brushes 4
Assort. 803029; 803038

Pkg 10



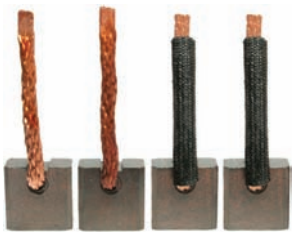
140376 Brush Set

Replacing: 2120-5312/7311; jhtsx-11; 23379-65000; 2120-7311; 2120-1311; -2; 2120-4311; jasx56-3

Servicing: 121370-77010; S12-23; S12-24A; S12-32; -4; -47

V. 12, **L.** 22.30, **Th.** 7.85, **H.** 14.25,
No. of brushes 4
Assort. 803023

Pkg 5



140377 Brush Set

Replacing: 2120-6312/2130-7311; 2120-6312/8311; 2130-23111; 2130-8312; 5-81119015-0; -6-0; jhtsx-34

Servicing: 23300-40K21; S12-48; -52; -58; -61; -62; -3-25; -3-31; -3-74

V. 12, **L.** 19.45, **Th.** 8.80, **H.** 19.25,
No. of brushes 4
Assort. 803023



140378 Brush Set

Replacing: 2130-5312; 2130-5312/2250; 2130-5312/8311; 2130-5312/9312; 2130-8311; 2130-9312; 2250-3323; 2250-532

Servicing: 120130-77010; 120140-77010; 121750-77011; 124610-77010; 124617-77011; 129612-77011; 1811001521; -23

V. 12, **L.** 17.86, **Th.** 7.77, **H.** 24.74,
No. of brushes 4
Assort. 803023; 803038



140379 Brush Set

Replacing: 2130-13111; 2130-13111/3315; 2130-13111/7312; 2130-3315; 2130-7312; 2240-1311; 2240-1311/1312; 2240-

Servicing: 123900-77010; 23300-3M005; S13-101; -2; -5; S13-105A; S13-129; -36; -60; -329; -529; S13-62; S13-62

V. 12, **L.** 15.45, **Th.** 6.85, **H.** 18.90,
No. of brushes 4
Assort. 803023; 803038

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



140567 Brush Set

Replacing: 2130-23112; 2130-23112/73111; 2130-43111; -2; 2130-53112; 2130-63112; 2130-73111; 8-94136900-0; jhts

Servicing: 129136-77011; 129137-7010; 129400-77012; 129900-77010; 129910-77020; 23300-0Y000; -5; -1S900; -1W40

V. 12, **L.** 16.00, **Th.** 6.90, **H.** 18.90,
No. of brushes 4
Assort. 803023; 803038



140595 Brush Set

Replacing: 2120-3312/2130-3311; 2130-1312; 2130-1312/3311; 2130-3311; 2130-4312; 2130-4312/7311; 2130-7311; 9-8

Servicing: 23300-61504; S13-06; S13-06A; S13-10; -4; -8; -28; -29; -32; S13-32A; S13-55

V. 12, **L.** 22.44, **Th.** 8.93, **H.** 19.42,
No. of brushes 4
Assort. 803023



140597 Brush Set

Replacing: 2130-6312; 2130-6312/9311; 2130-9311; 8-94228460-0; -4-0; 23379-v0700; 23380-v0700; jasx34-30

Servicing: S13-49A

V. 12, **L.** 18.04, **Th.** 7.90, **H.** 18.83,
No. of brushes 4
Assort. 803023



140781 Brush Set

Replacing: 2114-73123/83123; 23380-53j00

Servicing: 23300-53J00; S114-456; -556; S114-557A; S114-558

V. 12, **L.** 16.02, **Th.** 4.45, **H.** 10.85,
No. of brushes 4



140786 Brush Set

Replacing: 2114-13123/83121; 2114-63121/83121; 2114-63123; 2114-63123/83121; 2114-83121/73122; 2114-83121/93122

Servicing: 23300-01N01; -77A01; -G8401; S114-501; S114-501A; S114-505; S114-505A; S114-517; S114-517C; S114-51

V. 12, **L.** 16.00, **Th.** 6.80, **H.** 10.80,
No. of brushes 4



140852 Brush Set

Replacing: 2114-43125; 2114-43125/53125; 2114-43125/63125; 2114-43125/83125; 2114-63125; 23379-1e400; 23379-1p1

Servicing: 23300-08U00; -1P100; -1P160; -20P05; -4J606; -50Y04; -65F05; -97E00; -97E01; -VB000; -VB005; S114-7

V. 12, **L.** 17.13, **Th.** 4.43, **H.** 13.90,
No. of brushes 4



140922 Brush Set

Replacing: 2114-33127; 2114-33127/43127; 2114-43127/33127; 2114-43127

Servicing: 119233-77010; 129052-77010; 129698-77010; S114-808; -14; S114-814A; S114-815; -6; -7; S114-817A; -2

V. 12, **L.** 15.50, **Th.** 4.50, **H.** 13.90,
No. of brushes 4



140933 Brush Set

Replacing: 2114-23124/6313; 2114-23124/83121; 2114-83121; 2114-83124/83121; 2114-93121; 2114-23124; 2114-59003;

Servicing: S114-364; -98; -418; -419; -424; -435; S114-435A; -B; -D; -E; -505A; -507A; -519A; S114-535; S114-7

V. 12, **L.** 16.17, **Th.** 6.89, **H.** 10.90,
No. of brushes 4



140934 Brush Set

Replacing: 2114-83121/83122; 2114-83122/83121

Servicing: 23300-12G05; -88G01; S114-516; S114-516A; S114-528; S114-528A

V. 12, **L.** 16.10, **Th.** 6.90, **H.** 10.85,
No. of brushes 4

Pkg 5



140953 Brush Set

Replacing: 2114-53126; 2114-53126/63126; 2114-63126; 23379-0m300; 23380-0m300; jasx54-55

Servicing: 23300-0M302; -2J200; -2J205; -31U02; -5J201; -80F00; S114-800; S114-800A; -B; -1A; -1B; -1C; -1D; S

V. 12, **L.** 15.25, **Th.** 4.47, **H.** 13.82,
No. of brushes 4

Pkg 5



140986 Brush Set

Replacing: 2114-72125/83123; 2114-73125; 2114-73125/83123; 2114-73126; 2114-83123; -6; 23379-53j00; 23380-41b00

Servicing: 105312-77011; 114351-77011; 114362-77011; 119226-77010; 119631-77011; 160891-77020; 23300-73Y01; -K

V. 12, **L.** 16.80, **Th.** 4.48, **H.** 10.78,
No. of brushes 4

Pkg 5



141023 Brush Set

Replacing: 2280-1312/1313; jhtsx-30; 23331-99002; -3; jasx26-27

Servicing: 23300-96106; S28-23B; S28-25

V. 24, **L.** 22.10, **Th.** 9.90, **H.** 24.70,
No. of brushes 4

Bushings

Pkg 10



140305 Bearing Bushinging

Replacing: 2114-1661; 2114-5601; fbh-1; 23319-10600

Servicing: S114-131; -51; -55; S114-156A; S114-91; S13-81

O.D. 16.20, **I.D.** 12.85, **L.** 18.35, **Material** Copper
Assort. 803002

Pkg 10



140306 Bearing Bushinging

Replacing: 2114-1452; fbh-2; 23341-10600

Servicing: 23300-C0600; -N3304; S114-131; -41; -49; -51; -55; S114-156A; S114-171; -3; -4; S114-180E; -F; -G;

O.D. 20.10, **I.D.** 17.50, **L.** 7.60, **Material** Copper
Assort. 803002

Pkg 10



140307 Bearing Bushinging

Replacing: 2114-1605; fbh-25; 23319-43600

Servicing: S12-43

O.D. 16.30, **I.D.** 12.00, **L.** 22.50, **Material** Copper
Assort. 803002

Pkg 10

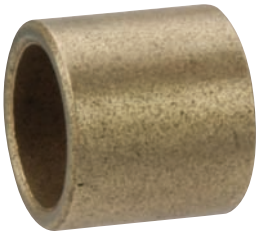


140308 Bearing Bushinging

Replacing: 2114-2302; fbh-26; 23338-85060

O.D. 19.20, **I.D.** 13.80, **L.** 20.15, **Material** Copper
Assort. 803002

Pkg 10



140309 Bearing Bushinging

Replacing: 2106-1601; fbh-3; 23338-09900

Servicing: S114-131; -52; -55; S114-156A

O.D. 15.10, **I.D.** 11.60, **L.** 13.95, **Type** Standard, **Material** Copper
Assort. 803002

Pkg 10



140310 Bearing Bushinging

Replacing: 2114-4661; 2114-5661; 15.120.161; fbh-31; 23319-n3300

Servicing: 11.130.203; -16; -48; -50; -309; -386; -432; -500; -501; -502; -503; -509; -510; -520; -521; -525;

O.D. 16.00, **I.D.** 12.53, **L.** 15.00, **Type** Standard, **Material** Copper
Assort. 803002; 803042

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



140311 Bearing Bushinging

Replacing: 2114-1601; 2114-5352; 2114-8661; 2114-9352; fbh-32; 23338-n3300

Servicing: 119233-77010; 119631-77010; 119865-77011; 124395-77010; 124450-77010; 124770-77010; 124772-77020; 1

O.D. 16.00, **I.D.** 12.60, **L.** 11.90, **Type** Standard, **Material** Copper

Assort. 803002; 803042

Pkg 10



140312 Bearing Bushinging

Replacing: 2608-8401; fbh-34; 23441-43600

O.D. 35.75, **I.D.** 28.45, **L.** 10.00, **Material** Copper

Assort. 803002

Pkg 10



140313 Bearing Bushinging

Replacing: 2130-1310; 2130-2601; 5-81119012-0; fbh-38; 23319-61503; 23338-61503

Servicing: 120130-77010; 120320-77311; 121750-77011; 124610-77010; 129953-77010; 23300-61504; -T3402; 461205-0

O.D. 18.00, **I.D.** 13.95, **L.** 16.85, **Type** Standard, **Material** Copper

Assort. 803002; 803042

Pkg 10



140314 Bearing Bushinging

Replacing: 2114-3601; 2114-6601; fbh-4; 23319-21000

Servicing: S114-103; S114-121N; -2N; -6M; S114-132; -6; -9

O.D. 15.00, **I.D.** 11.00, **L.** 15.00, **Type** Standard, **Material** Copper

Assort. 803002; 803020; 803042

Pkg 10



140315 Bearing Bushinging

Replacing: 2114-1352; fbh-5; 23338-21000

Servicing: S114-103; S114-121N; -2N; -6M; S114-132; -6; -9; -51; S114-91

O.D. 15.00, **I.D.** 11.50, **L.** 12.85, **Material** Copper

Assort. 803002

Pkg 10



140316 Bearing Bushinging

Replacing: 2120-2601; fbh-6; 23319-37502

Servicing: 121370-77010; 23300-31W02; -7508; S12-19; S12-19C; -K; S12-23; S12-24A; S12-32; -4; S12-41A; S12-47

O.D. 18.00, **I.D.** 14.00, **L.** 19.90, **Type** Standard, **Material** Copper

Assort. 803002

Pkg 10



140317 Bearing Bushinging

Replacing: 2120-4401; fbh-7; 23341-37501; 23441-37501

Servicing: 120320-77311; 121370-77010; 23300-31W02; -7508; -61504; -T3402; 461205-00821; 5811001292; S114-232;

O.D. 26.45, **I.D.** 20.00, **L.** 12.35, **Material** Copper

Assort. 803002; 803042

Pkg 10



140318 Bearing Bushinging

Replacing: 2120-4302; fbh-8; 23338-37502

Servicing: 121370-77010; 23300-31W02; -7508; S12-19; S12-19C; -K; S12-23; S12-24A; S12-32; -4; S12-41A; S12-47

O.D. 20.00, **I.D.** 15.00, **L.** 16.00, **Type** Standard, **Material** Copper

Assort. 803002

Pkg 5



140489 Bearing Bushinging

Replacing: 2250-3601; fbh-41; 23319-29000; 23319-z9000

Servicing: 120140-77010; 123500-77010; 124610-77010; 124617-77011; 129612-77011; 1811001521; -2330; 23300-06J0

O.D. 21.10, **I.D.** 16.05, **L.** 16.90, **Material** Copper

Assort. 803002; 803042

Pkg 10



140572 Bearing Bushinging

O.D. 31.14, **I.D.** 27.16, **L.** 5.63, **Type** Standard, **Material** Copper
Assort. 803002

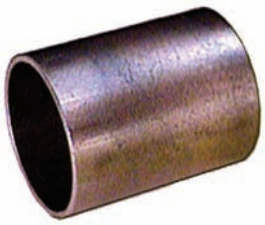
Pkg 10



140573 Bearing Bushinging

O.D. 31.40, **I.D.** 27.15, **L.** 5.80, **Material** Copper
Assort. 803002

Pkg 10



140580 Bearing Bushinging

Replacing: hp-1; 140580
O.D. 14.55, **I.D.** 13.15, **L.** 18.50, **Material** Copper
Assort. 803002

Pkg 10



140618 Bearing Bushinging

Replacing: fbh-15; 140618
O.D. 16.05, **I.D.** 13.10, **L.** 18.45, **Material** Steel
Assort. 803002

Pkg 10



140660 Bearing Bushinging

Replacing: 2114-9661
Servicing: 128000-3090; -1; S114-456; -556
O.D. 15.90, **I.D.** 11.00, **L.** 12.62, **Type** Standard, **Material** Copper

Pkg 10



140669 Bearing Bushinging

Replacing: 2114-14101; 071437
Servicing: S114-501; S114-501A; S114-505; S114-505A; -7A; S114-509; -16; S114-516A; S114-517; S114-517C; S114-
Collar O.D. 39.10, **O.D.** 32.10, **I.D.** 25.00, **L.** 19.85, **Type** Standard, **Material** Copper

Pkg 10



140696 Bearing Bushinging

Servicing: S114-264; -8; S114-268A; S114-446; -53; -54; -57; -59; -80; S114-480A
O.D. 26.30, **I.D.** 22.05, **L.** 5.10, **Material** Copper

Pkg 10



140736 Bearing Bushinging

Replacing: 23319-42161; 140736
O.D. 18.50, **I.D.** 16,02, **L.** 7.00, **Material** Copper

Pkg 10



140775 Bearing Bushinging

O.D. 15.55, **I.D.** 14.00, **L.** 15.85, **Material** Copper

Pkg 5



140805 Bearing Bushinging

Replacing: 2108-1821
Servicing: S108-107; -8; -11; -13; -14; -16; S108-56; -7; -61; S108-61A; -B; -C; -D; -E; -f; -G; S108-77
O.D. 20.07, **I.D.** 16.09, **L.** 11.00, **Material** Copper

Pkg 10



140869 Bearing Bushinging

Replacing: 23319-42l60; 140869
O.D. 22.10, **I.D.** 18.00, **L.** 6.95, **Type** Standard, **Material** Copper

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



140870 Bearing Bushinging

Replacing: 2114-1353; 23338-97e00

Servicing: 119233-77010; 129052-77010; 129698-77010; 23300-08U00; -M302; -1P100; -1P160; -20P05; -2J200; -2J20

O.D. 15.55, **I.D.** 12.15, **L.** 5.55, **Material** Copper

Pkg 10



140905 Bearing Bushinging

O.D. 25.00, **I.D.** 20.10, **L.** 10.80, **Material** Copper

---

Pkg 10



140909 Bearing Bushinging

Replacing: 140985; -09

O.D. 26.45, **I.D.** 21.55, **L.** 12.40, **Material** Copper

---

Pkg 10



140927 Bearing Bushinging

Replacing: 2114-44101; 23319-97e00

Servicing: 119233-77010; 129052-77010; 129698-77010; 23300-08U00; -M302; -1P100; -1P160; -20P05; -2J200; -2J20

O.D. 22.05, **I.D.** 18.10, **L.** 6.65, **Material** Copper

Pkg 10



140950 Bearing Bushinging

Replacing: 2114-24101; 23319-42l61

Servicing: 23300-01N01; -12G05; -52F01; -65F01; -77A01; -88G01; -G8401; M3T49981; S114-501; S114-501A; S114-50

O.D. 19.10, **I.D.** 15.70, **L.** 7.00, **Material** Copper

Pkg 10



140992 Bearing Bushinging

Servicing: 0001110063; -8; B001117150; -5

O.D. 9.81, **I.D.** 6.04, **L.** 7.04, **Material** Copper

Pkg 10



140993 Bearing Bushinging

O.D. 10.00, **I.D.** 6.12, **L.** 8.85, **Type** Standard, **Material** Copper

---

Pkg 10



140994 Bearing Bushinging

Servicing: S114-829A; -B

O.D. 11.00, **I.D.** 6.80, **L.** 7.85, **Type** Standard, **Material** Copper

---

Pkg 10



140995 Bearing Bushinging

Replacing: 2114-9601

Servicing: S114-430A; -B; -C; -1A; -1B; -1C; -2A; S114-439; -52; S114-452A; S114-460; S114-460A; -B; S114-461;

O.D. 25.15, **I.D.** 19.95, **L.** 9.15, **Material** Copper

Pkg 5



141021 Bearing Bushinging

Replacing: 2250-1302; 23338-90001

Servicing: 23300-96106; S15-02; S210-58; S210-601; S210-61; -2; -72; S25-112A; S28-11; S28-11A; S28-16; S28-21

O.D. 24.15, **I.D.** 17.80, **L.** 19.00, **Material** Copper

---

Pkg 5



141022 Bearing Bushinging

Replacing: 2210-4601; 28111-1110; 2620-003-00x9; 23319-99004

Servicing: 0300-552-0420; 0307-302-0012; 0330-402-0410; 0331-402-0110; 1811001570; -800; 23300-96106; -7066; S

O.D. 24.10, **I.D.** 18.02, **L.** 21.00, **Type** Mounting, **Material** Copper

---

Pkg 10



141082 Bushinging

O.D. 26.05, **I.D.** 22.85, **L.** 5.20, **Material** Copper

Pkg 10



141132 Bushinging

Servicing: s114-757

O.D. 10.00, **I.D.** 6.15, **L.** 6.85, **Material** Copper

Pkg 10



141133 Bushinging

Servicing: S108-28H; -k; s108-56; -76; S108-76A

O.D. 13.05, **I.D.** 9.20, **L.** 13.35, **Material** Copper

Pkg 10



141134 Bushinging

Servicing: S114-753; S114-753C; s114-755; -6; s114-766a; s114-767

O.D. 11.00, **I.D.** 8.15, **L.** 8.25, **Material** Copper

Pkg 10



141135 Bushinging

Servicing: S114-203; -613; S114-613A

O.D. 16.00, **I.D.** 12.60, **L.** 11.90, **Material** Copper

---

Pkg 10



141136 Bushinging

Servicing: 028000-2240; -930; -3500; -3800; -4040; -4600; -4630; -4650; s114-161b; -e; -f; -82g; s114-315; -6;

O.D. 14.00, **I.D.** 12.55, **L.** 19.15, **Material** Copper

---

Pkg 10



141137 Bushinging

Servicing: s114-430a; s114-439; s114-439a; -41a; -41b; s114-461; s114-461a; -b; S114-484

O.D. 25.10, **I.D.** 20.10, **L.** 8.65, **Material** Copper

Pkg 10



141138 Bushinging

O.D. 25.10, **I.D.** 20.20, **L.** 10.65, **Material** Copper

---

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



141139 Bushinging

Servicing: s114-503a; s114-516; s114-517c; -9a; -20b; s114-525; -7; s114-527a; -b; s114-528; s114-528a; s114-5

O.D. 22.05, **I.D.** 18.25, **L.** 6.70, **Material** Copper

Pkg 10



141140 Bushinging

Servicing: S15-02; -3

O.D. 24.05, **I.D.** 18.05, **L.** 19.25, **Material** Copper

---

Pkg 10



141142 Bushinging

Servicing: s12-19c; s12-19kb; S12-23; -39; s12-41a; s12-52; -8; -61; s12-63a; -b; -c; s12-68; s12-68a; -b; -d;

O.D. 32.10, **I.D.** 26.10, **L.** 27.95, **Material** Copper

---

Pkg 10



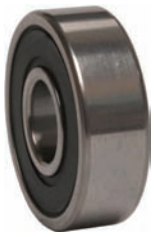
141198 Bushinging

Servicing: s114-829; s114-829a; -b; -C; -D

O.D. 16.01, **I.D.** 12.05, **L.** 5.47, **Material** Copper

Bearings

Pkg 10



140222 Bearing 608/2rs

Replacing: 9440924; 6082rsc3; 2114-15502; -11; 2114-45511; 2114-55002; 2130-3509; s930p12070; s930p14201; s930p

Servicing: 028000-3641; -2; -4323; -4343; -4450; -4540; -4940; -4990; -5060; -5120; -5190; -5390; -5780; -5800

O.D. 22.00, **I.D.** 8.00, **H.** 7.00
Assort. 802026; 803013; 803022; 803042

Pkg 10



140223 Bearing 6004/2rs

Replacing: 60042rsrc3; 2114-45502; 2114-55502; -11; 2240-2101; 949100-1650; -760; 949100-2590; 949100-4110; -23

Servicing: 0-33000-3941; -50; -4150; -4331; 028000-3641; -2; -4323; -4343; -4450; -4540; -4940; -5060; -5190;

O.D. 42.00, **I.D.** 20.00, **H.** 12.00
Assort. 802026; 803013; 803022; 803042

Pkg 26



140225 Bearing 6903/2rs

Replacing: 2114-25502; -11; 2114-35511; 23338-m4900; 23358-07g00; 69032rs1

Servicing: 105891-77010; 114351-77020; 114362-77020; 119256-77010; 120370-77011; 120380-77010; 124976-77011; 1

O.D. 30.00, **I.D.** 17.00, **H.** 7.00
Assort. 803013; 803022; 803042

Pkg 26



140226 Bearing 6904/2rs

Replacing: 2114-35502; 2114-75502; 2114-95502; 2130-5509; 23358-m4900; 69042rs1

Servicing: 105891-77010; 114351-77020; 114362-77020; 119256-77010; 120370-77011; 120380-77010; 124976-77011; 1

O.D. 37.00, **I.D.** 20.00, **H.** 9.00
Assort. 803013; 803022; 803042

Pkg 14



140227 Bearing 6905/2rs

Replacing: 2130-3302; 23441-25500; 23441-j5500; 69052rs1

Servicing: 120130-77010; 120140-77010; 121750-77011; 123500-77010; 124610-77010; 124617-77011; 129612-77011; 1

O.D. 42.00, **I.D.** 25.00, **H.** 9.00
Assort. 803013; 803022

Pkg 10



140271 Bearing 6000/2rs

Replacing: 1989646; 60002rsrc3; 6000j; umb120; s930p14101; 949100-2760; 60002rs1; 6000c2hrs

Servicing: 00219091; -9; 028000-6260; -7700; -8620; -8980; -9270; -9320; -9321; -9380; -9510; -9800; -9860; 10

O.D. 26.00, **I.D.** 10.00, **H.** 8.00

Needle Bearings

Pkg 5



140457 Needle Bearing

Replacing: 2130-3451; tla2012z; 23338-v0702; 23358-v0700; hk2012
Servicing: S13-49A
O.D. 26.00, **I.D.** 20.00, **L.** 12.00,
No. of rollers 23
Assort. 803013; 803022

Pkg 5



140495 Needle Bearing

Replacing: 2250-1451; tla1512z; 23341-v0600; hk1512; 140384
Servicing: 121750-77011; 123500-77010; 124610-77010; 124617-77011; 129612-77011; 1811001521; -2330; 19011506;
O.D. 21.00, **I.D.** 15.00, **L.** 12.00,
No. of rollers 16
Assort. 802035

Pkg 5



140972 Needle Bearing

Replacing: 2000910012; 9000910012; 2114-1411; f-203978; hk22162rs
Servicing: 0001370001; -2; -3; -4; -1001; -1004; -1005; -1006; -1007; -1008; -1009; -1010; -1012; -1013; -1014
O.D. 28.00, **I.D.** 22.00, **L.** 16.00

Repair Kits



135450 Repair Kit

Servicing: S114-232A

Including: Cargo 140311, 140317, 140429, 140334, 134477, 133609.



137947 Seal/Shim Kit

Replacing: 2114-58503; 2114-48004
Servicing: 105891-77010; 119256-77010; 124976-77011; 171008-77010; S114-257; S114-257G; -H; -338A; -339A; -339

Rubber only: Cargo 230230.

Sundry Parts



132104 Captive Nut

Servicing: S12-59; -3-84
O.D. 23.00, **Thread** M12
Assort. 803022



132847 Stop Collar Kit

Replacing: 2250-6105; 23369-29000; 23369-z9000
Servicing: 120320-77311; 23300-T3402; 461205-00821; 5811001292; S12-48; -52; -58; -62; -3-25; -3-32; S24-64B;

Assort. 803022



133607 Stop Collar Kit

Replacing: 2114-3155; 2120-1110; 23369-32000
Servicing: 121370-77010; 23300-31W02; -7508; S114-151; S12-19C; -24A; S12-32; -4; S12-41A; S12-43; -7; -59; -6

Assort. 803022



133608 Stop Collar Kit

Replacing: 2130-1119; 2130-2119; 23465-v0700
Servicing: 120130-77010; 121750-77011; 124610-77010; 128000-2610; 129953-77010; 23300-61504; 5811001112; S13-1
O.D. 20.00, **I.D.** 13.95, **Th.** 6.10, **Material** Steel
Assort. 803022

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



133609 Stop Collar Kit

Replacing: 2114-3158; 2114-7155; 23465-n3300
Servicing: 114351-77011; 114362-77011; 119226-77010; 119631-77010; -1; 119865-77011; -2; 124097-77010; -50; 12

Assort. 803022



133611 Stop Collar Kit

Replacing: 2114-29006
Servicing: 105891-77010; 114351-77020; 119256-77010; 124976-77011; 129136-77011; 129137-7010; 129150-77010; 12

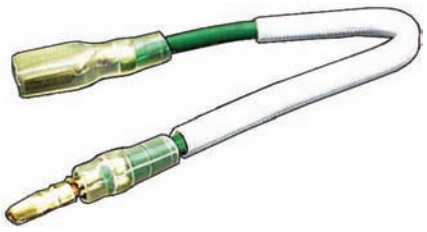
Assort. 803022

Pkg 5



134477 Cap

Replacing: 2114-28012; 2114-48012; 2114-4862; 23470-m8001; -101; -501
Servicing: 23300-01E00; -15A06; -18C03; -74Y00; -D0200; -M8200; -M8501; -V5202; S114-160; S114-160B; -D; -G; -
O.D. 43.10, **H.** 9.20
Assort. 803022



134995 Coupler

Assort. 803028



135187 Stop Collar Kit

Replacing: 2240-1900; 23369-t9000
Servicing: 119131-77010; 123900-77010; 129900-77030; 23300-0T014; -610; -2T710; -K6700; -T9010; 8943334380; 89

Pkg 10



135188 Cap

Replacing: 2130-2509; 8-94435567-0; 23324-10t00; -d0; 23324-43g00
Servicing: 23300-0T014; -610; -2T710; -K6700; -T9010; 8943876530; 8944339122; 8944604170; 8970324632; 89709581
O.D. 23.20, **H.** 9.50



135478 Washer Kit

Replacing: 2114-8110; 31271-634-0050; 5-81129056-0; 23321-n3300
Servicing: 114351-77011; 114362-77011; 119226-77010; 119631-77010; -1; 119865-77011; -2; 124097-77010; -50; 12

D/D types.

Pkg 10



135492 Coupler

Servicing: M1T60185; -72087; s114-525a; -806A



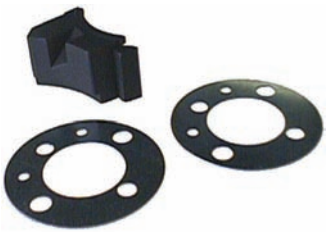
135953 Bearing Plate

Replacing: 2114-38007; 8-94242071-0; 23341-n5900
Servicing: 23300-05P01; -N5903; 8944694963; S114-254D; -8C; S114-268; S114-290B; -6A; -322A; S114-344; S114-37
O.D. 75.30, **I.D.** 31.20



135975 Dust Cover Kit

Replacing: 2114-3963; 2114-5963; 2114-6963; 23470-n3300
Servicing: 124450-77010; 124772-77020; 23300-C0600; -N3304; S114-146; S114-160B; -D; -F; -G; -2D; -3E; S114-16



135976 Dust Cover Kit

Replacing: 2114-78501; 23470-85e00
Servicing: S114-461; S114-461A



136111 Washer/Seal Kit

Replacing: 2130-3913; 2130-6913; 23324-10g00; 23470-54a00

Servicing: 228000-0111; 23300-3M005; -83W00; S13-104; -5; S13-105A; S13-107; -29; -31; -329; -529; S13-66; S13

O.D. 52.00, **I.D.** 28.90, **Th.** 0.80, **Material** Steel

Pkg 5



136422 Bushinging

Servicing: s13-84b

Collar O.D. 24.15, **O.D.** 16.06, **I.D.** M10, **L.** 17.18, **Material** Copper



137301 Bearing Plate

Replacing: 2130-4615; 2130-5615; 8-94435570-0; 23341-10g00; 137345

Servicing: 23300-0Y000; -5; -1S900; -1W400; -2S000; -58N00; -65N51; -6T001; -83W00; -VB300; 8943876530; 894433

O.D. 75.20, **I.D.** 38.00



137302 Dust Cover Kit

Replacing: 2130-7913; 23470-43g00

Servicing: 23300-40K21; S13-106A; -B; -C; -E; S13-122; -6; S13-126A; S13-127; S13-127C; -37A

Pkg 5



137306 Rubber Boot

Replacing: 2114-2742; 23348-d0300

Servicing: 105312-77011; 105891-77010; 114351-77011; -20; 114362-77011; -20; 119131-77010; 119256-77010; 11986

O.D. 25.15, **I.D.** 22.35, **L.** 28.50



137458 Rubber/ Washer Kit

Replacing: 2130-5910; 2250-6811; 2250-7811; 2250-8811; 23446-v0600

Servicing: 23300-06J02; -4; -C8601; -Z5515; S13-38B; -45A; -45B; S25-110G; -L; -25A; -25B; -32C; -32F; S25-156



137541 Seal/Washer Kit

Replacing: 2130-2610; 3130-2610; 5-81129068-0; x-213067000

Servicing: 120320-77311; 23300-61504; -T3402; 461205-00821; 5811001292; S12-48; -58; -62; -3-14; -3-18; -3-24;



139276 Bearing Plate

Replacing: 2130-2615; 23359-w2800

Servicing: 23300-11M02; -37J00; -37J05; -3M005; -52H00; S114-357; S114-357A; -B; -C; S114-367; S114-395A; S114

I.D. 37.50



139566 Rubber/ Washer Kit

Replacing: 2114-18500; 23470-42l60

Servicing: S114-501; S114-501A; S114-505; S114-505A; S114-509; -18; S114-519A; S114-523; S114-525A



139567 Rubber/ Washer Kit

Replacing: 2114-28504; 23470-12g02

Servicing: 23300-12G05; -88G01; S114-516A; S114-528; S114-528A



139568 Bearing Plate

Replacing: 2114-58008; 23341-12g01

Servicing: 23300-12G05; -88G01; S114-516; S114-516A; S114-528; S114-528A

O.D. 73.85, **I.D.** 31.00

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



139621 Bushinging

Servicing: S114-473

Collar O.D. 23.00, **O.D.** 16.15, **I.D.** M12, **L.** 20.90, **Type** Mounting, **Material** Steel

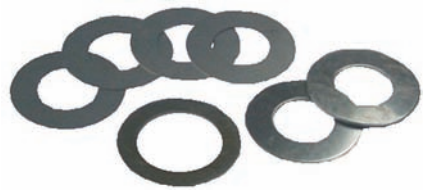
---



139664 Washer Kit

Replacing: 2114-39505; 23320-om300

Servicing: 119233-77010; 129052-77010; 129698-77010; 23300-0M302; -2J200; -2J201; -2J205; -2J206; -31U02; -4J6



139665 Washer Kit

Replacing: 2120-1115; 23372-99004

Servicing: 120320-77311; 121370-77010; 23300-31W02; -7508; -61504; -T3402; 461205-00821; 5811001292; S114-264;

O.D. 29.85, **I.D.** 15.45, **Th.** 0.20, **Material** Steel



230060 Rubber/ Washer Kit

Replacing: 2114-38501

Servicing: S114-460; S114-460A; S114-464; S114-464A; -9A

Pkg 10



230230 Rubber

Servicing: s114-257g; -342a; s114-349; s114-349a; s114-448; -83

L. 24.40

Part of kit: Cargo 137947.



230246 Rubber/ Washer Kit

Replacing: 2114-88504

Servicing: S114-800; S114-800A; -B; -1A; -1B; -1C; -1D; S114-804; S114-804A; S114-805; S114-805A; -6A; S114-81



230714 Rubber/ Washer Kit

Replacing: 2130-3917; 23470-gt000

Servicing: 23300-1S900; -W400; -58N00; -65N51; -6T001; s13-122; S13-307A; S13-322; -6; -7; -4-205; -4-206



231286 Bearing Plate

Replacing: 2240-3615; 8-94334978-0

Servicing: 119131-77010; 8943334380; S24-03B; -C; S24-13; S25-161

O.D. 92/70/52.2, **I.D.** 46.60



231288 Rubber/ Washer Kit

Replacing: 2240-4610; 8-94152982-0

Servicing: 119131-77010; 129900-77030; 8943334380; 8943773510; 8944234520; S24-03B; -C; S24-07; -12; -13; -14;

Pkg 4



231297 Pole Screw

Replacing: 2114-3215; 23305-09500

Servicing: 105891-77010; 114351-77020; 114362-77020; 119131-77010; 119256-77010; 120370-77011; 120380-77010; 1

Thread L. 6.00, **L.** 11.45, **Thread** M8



231304 Rubber/ Washer Kit

Replacing: 2114-58502; 2114-98006; 23470-d0300

Servicing: 23300-L1123; S114-322A; S114-374; S114-374B; S114-393; S114-395A; S114-442; S114-442A; -B



231907 Lock Plate



231908 Magnet

L. 65, **H.** 11.40, **Pole type** Syd



231909 Magnet

L. 65.00, **H.** 8.70, **Pole type** Nord

Pkg 5



232593 Rubber Rrain

O.D. 7.85, **I.D.** 6.20, **L.** 43.75

Pkg 10



232997 Magnet

L. 65.00, **H.** 8.60



233541 Connector

Servicing: m1t71581; -681; s114-306; -458; -605; -607

Assort. 803028

Pkg 5



233542 Connector

Pkg 10



234642 Washer Kit

Servicing: s114-829a; -b

O.D. 23.00, **H.** 18.50

Pkg 10



235376 Pole Shoe

Servicing: s13-102; s13-106a; -b; -e; s13-122; -6

C.E. Covers



137834 C.E. Cover

Replacing: 2130-33012; 23337-v0600

Servicing: s13-38a; -45A; -45b

I.D. 85.00



231488 C.E. Cover

Oil Seals

Pkg 5



138121 Oil Seal

Replacing: 2130-1402; 5-81129116-0; 23344-z9000; 121254-77610

Servicing: 121750-77011; 123500-77010; 124610-77010; 124617-77011; 129612-77011; 129953-77010; 1811001521; -23

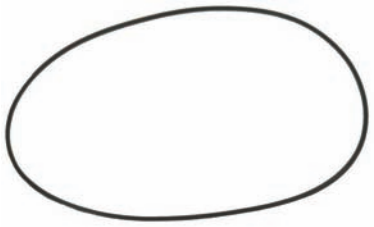
Th. 7.60, **Material** Rubber

Assort. 803039

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

O - rings

Pkg 5



231391 O-Ring

Replacing: 2114-88004; 2240-6901; 23324-n5900

Servicing: 23300-05P01; -Y000; -Y005; -37J00; -37J05; -3M000; -3M005; -52H00; -54A05; -57J05; -K8461; -N5903;

O.D. 82.60, **Th.** 1.40

Thru Bolts

Pkg 2



139594 Thru Bolt

Replacing: 2130-5820

Servicing: 120130-77010; 120140-77010; 123500-77010; 124610-77010; 124617-77011; 129612-77011; 129953-77010; 1

Collar L. 145.55, **L.** 149.60, **Thread** M5

Pkg 2



230715 Thru Bolt

Replacing: 2130-9820

Servicing: 119131-77010; 129137-7010; 129900-77030; 23300-0T610; -2T710; -40K21; -83W00; -K6700; 8943334380; 8

L. 144.90, **Thread size front** M6

Pkg 2



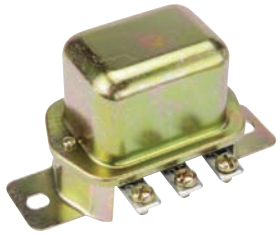
233603 Thru Bolt

Replacing: 2120-6810

Servicing: 23300-31W02; -7508; S12-19C; S12-48; -52; -58; -62; S12-63C; -8D; -77A; S12-78

Collar L. 164.35, **L.** 169.00, **Thread** M6

Regulators



233625 Regulator

V. 12, **Regulator type** Mechanical
Terminals: D+ - DF - D-.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Armatures



130120 Armature

Replacing: 2004005022; -46; -153; 16.360.333; 2004005037; -02

Servicing: 0001414001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -13; -14; -15; -16; -17; -18; -19; -20; -21;

V. 24, **kW.** 5.0, **Core OD** 83.00, **Shaft L.** 235.00

Commutator: Cargo B134578. Clutch housing: Cargo 231369.



130121 Armature

Replacing: 2004005051; -2; -3; -141; -904; -905; -909; -910; -917; -920; 16.360.540; -4; -6

Servicing: 0001401011; -2; -9; -23; -24; -26; -27; -28; -29; -39; -40; -41; -44; -45; -46; -47; -49; -50; -52;

V. 12, **kW.** 3.0, **Core OD** 83.00, **Shaft L.** 343.00



130319 Armature

Replacing: 2004004061; -112; 9001140275; 16.360.326

Servicing: 0001359001; -2; -3; -4; -8; -10; -12; -13; -14; -16; -18; -19; -20; -21; -24; -25; -26; -27; -30; -

V. 12, **kW.** 3.0, **Core OD** 75.00, **Shaft L.** 335.00, **Splines** 10, **Rotation** CR

Commutator: Cargo B134573. In 9 Volt: Cargo 133515.



130320 Armature

Replacing: 2004005025; -71; -151; 16.360.068

Servicing: 0001410015; -6; -7; -8; -9; -21; -22; -23; -24; -25; -26; -29; -32; -33; -34; -35; -36; -37; -38; -

V. 24, **kW.** 5.5, **Core OD** 83.00, **Shaft L.** 270.00, **Rotation** CR

Commutator: Cargo B134577. Clutch housing: Cargo 231369.



131075 Armature

Replacing: 2004004003; -5; -6; -7; -10; 2004014060; -960; -961; 9001141143; 16.360.325

Servicing: 0001367001; -2; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -20; -21; -22;

V. 12, **kW.** 3.0, **Core OD** 75.00, **Shaft L.** 337.15, **Splines** 10, **Rotation** CR

Commutator: Cargo B134580. In 9 Volt: Cargo 134285.



131116 Armature

Replacing: 2004004115; -28; -928; -968; 2004014928; 16.360.576

Servicing: 0001364100; -1; -2; -3; -4; -5; -6; -8; -200; -201; -202; -205; 9000143501; B001819002; -10; -14; -

V. 24, **kW.** 4.8, **Core OD** 75.00, **Shaft L.** 366.00, **Splines** 10, **Rotation** CR

Commutator: Cargo B139122, B139123.



131311 Armature

Replacing: 2004005023; -4; 16.360.539; 137330

Servicing: 0001417001; -2; -5; -6; -7; -8; -12; -13; -14; -15; -16; -18; -19; -22; -23; -24; -25; -26; -27; -2

V. 24, **kW.** 6.6, **Core OD** 83.00, **Shaft L.** 256.00, **Rotation** CR

Commutator: Cargo B134578. Clutch housing: Cargo 231369.



133818 Armature

Replacing: 16360349

V. 24, **kW.** 4.0, **Core OD** 83.00, **Shaft L.** 362.50



138212 Armature

Replacing: 16360402

Servicing: 11.130.179; -201; -254; -366; -402; -403; -408; -409; -410; -411; -412; -414; -419; -436; -484; -51

V. 12, **kW.** 3.0, **Core OD** 75.00, **Shaft L.** 335.15, **Splines** 10, **Rotation** CR



138260 Armature

Replacing: 16360198

Servicing: 11.130.026; -74; -76; -127; -140; -190; -194; -198; -199; -200; -229; -251; -322; -373; -376; azj04

V. 12, **kW.** 3.0, **Core OD** 74.80, **Shaft L.** 335.00, **Splines** 10, **Rotation** CR



138670 Armature

Replacing: 16360277

Servicing: 11.130.117; -9; -23; -203; -222; -247; -250; -309; -319; -386; -432; -500; -503; -510; -520; -521;

V. 12, **kW.** 2.4/2.7, **Core OD** 75.00, **Shaft L.** 292.50, **Splines** 10, **Rotation** CR



138831 Armature

Replacing: 16.360.404; -703

Servicing: 11.130.364; -7; -407; -490; -491; -492; -534; -537; -595; -598; -626; -660; -662; -676; -678; -686;

V. 24, **kW.** 4.0, **Core OD** 75.00, **Shaft L.** 335.00, **Splines** 10, **Rotation** CR



230855 Armature

Replacing: 16361103

Servicing: 11.130.665; -94; -709; -736; -795; -811; -889; -895; -995; AZJ3217; -46; -58; -314; -317; -324; -33

V. 12, **kW.** 2.7, **Core OD** 74.80, **Shaft L.** 310.00, **Splines** 10



233991 Armature

Replacing: 16361897

Servicing: 11.130.979; -1.164

V. 12, **kW.** 2.7, **Core OD** 59.35, **Shaft L.** 145.00, **No. of teeth** 13

24 Volt



130119 Armature

Replacing: 2004004062; -111; 16.360.322

Servicing: 0001360002; -4; -5; -7; -8; -9; -10; -12; -13; -16; -17; -18; -19; -20; -24; -26; -27; -29; -30; -3

V. 24, **kW.** 4.0, **Core OD** 75.00, **Shaft L.** 334.00, **Splines** 10, **Rotation** CR

Commutator: Cargo B134573. In 18 Volt: Cargo 137286.



131309 Armature

Replacing: 2004004032; -3; -5; -6; -8; 2004014075; -975; 16.360.324

Servicing: 0001367301; -8001; -8002; -8003; -8004; -8005; -8006; -8007; -8008; -8009; -8010; -8011; -8012; -80

V. 24, **kW.** 4.0, **Core OD** 75.15, **Shaft L.** 337.70, **Splines** 10, **Rotation** CR

Commutator: Cargo B134573. In 18 Volt: Cargo 137287.

Yokes



231013 Yoke Assy

Replacing: 16280566

Servicing: 11.130.417; -593; -724; -775; -845; -854; aze2502; -12; -38; -43; -58; -63

V. 12, **kW.** 1.4, **O.D.** 79.40, **L.** 111.40, **Brush gear** w/o, **Magnets** With

Field Coils



130127 Field Coil

Replacing: 2004114168; 16.905.384

Servicing: 0001359101; -60004; -60005; -60020; -60026; -60027; -60029; -60030; -60031; -60032; -60033; -60034;

V. 24, **kW.** 4.0, **H.** 127.00, **Brush gear** w/o

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



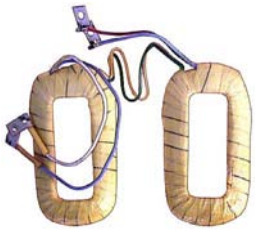
130128 Field Coil

Replacing: 2004114169; 16.905.391
Servicing: 0001359002; -3; -31; -33; -35; -50; -53; -54; -55; -56; -57; -58; -59; -60; -61; -62; -63; -64; -65
V. 12, **kW.** 3.0, **H.** 133.50, **Brush gear** w/o



130130 Field Coil

Replacing: 2004115036; 2004125000; -4; -5; -6; -7; -8; -9; -29; -30; -31; -36; -52; 9920328; -661; 18.500.044
Servicing: 0001410015; -6; -7; -8; -9; -21; -22; -23; -24; -25; -26; -29; -32; -33; -34; -35; -36; -37; -38; -
V. 24, **kW.** 5.5/6.5, **H.** 152.25, **Brush gear** w/o
Long.



130322 Field Coil

Replacing: 2004105009; -20; 18.500.807
Servicing: 0001402007; -8; -18; -31; -34; -41; -43; -50; -52; -54; -55; -59; -65; -72; -75; -79; -81; 10.130.1
V. 24, **kW.** 4.0, **H.** 114.15, **Brush gear** w/o
Auxiliary coil.



130323 Field Coil

Replacing: 2004105015; -7; 18.500.808; 2004105012
Servicing: 0001400016; -1007; -1011; -1012; -1019; -1023; -1026; -1027; -1028; -1044; -1045; -1046; -1047; -10
V. 12, **kW.** 3.0, **H.** 115.85, **Brush gear** w/o
Auxiliary coil.



130325 Field Coil

Replacing: 2004115040; -1; -2; -3; 9008720; -1; 9923722; 18.500.803; -6; 70494803; -4
Servicing: 0001401007; -11; -12; -19; -23; -26; -27; -28; -44; -45; -46; -47; -49; -50; -52; -60; -62; -66; -6
V. 12, **kW.** 3.0, **H.** 116.00, **Brush gear** w/o
Main coil.



131074 Field Coil

Replacing: 2004114065; -134; -135; -290; -295; 16.905.621; 2004114067
Servicing: 0001368001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20;
V. 24, **kW.** 4.0, **H.** 127.60, **Brush gear** w/o



131134 Field Coil

Replacing: 2004114060; -291; -297; 16.905.386
Servicing: 0001367001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20;
V. 12, **kW.** 3.0, **H.** 128.30, **Brush gear** w/o



131983 Field Coil

Replacing: 2004115006; -7; 18.500.800; -4
Servicing: 0001402031; -43; -50; -54; -59; -72; -75; -79; -81; 10.130.121; -3; -5; 11.130.005; -115; -606; AL6
V. 24, **kW.** 4.0, **H.** 109.70, **Brush gear** w/o
Main coil.



230854 Field Coil

Replacing: 16.905.171; 16.906.171
Servicing: 10.201.032; 11.130.117; -9; -23; -203; -222; -247; -248; -250; -253; -300; -309; -319; -386; -399;
V. 12, **kW.** 2.7, **H.** 113.75, **Brush gear** w/o



231014 Field Coil

Replacing: 16.905.229; -693
Servicing: 11.130.030; -672; -673; azj0602; -3221; -3222
V. 24, **kW.** 4.0, **H.** 142.20, **Brush gear** w/o

Solenoids



130281 Solenoid

Replacing: 0331100005; -14; 0331101001; -3; 05880; 9009423; 9923794; 9925687; 16.670.127; 63631425; ie14aa

Servicing: 0001400016; -1011; -1012; -1019; -1023; -1026; -1027; -1028; -1041; -1044; -1046; -1047; -1049; -10

V. 12, **B+** Cable



130282 Solenoid

Replacing: 0331100002; -11; -12; 0331101002; -4; -19; 9339991018; 07950; 9927593; 16.670.073

Servicing: 0001402031; -43; -50; -53; -54; -55; -57; -58; -59; -60; -69; -71; -72; -75; -79; -81; -83; -85; AL

V. 24, **B+** Cable



130301 Solenoid

Replacing: 0331401040; 0331402001; -4; -19; -30; -33; -35; -39; -501; -504; -535; -539; 8997805; 9817926; 99260

Servicing: 0001223501; 0001358048; -50; -51; -9055; -9071; -9074; -9075; -9076; -9085; -9086; -9087; -9088; -9

V. 12, **B+** M10, **Coil bolt** M10

Cap: Cargo 131318.



130303 Solenoid

Replacing: 0331402010; -201; -510; 16.905.395; zm-645; 2339402120; -61

Servicing: 0001231003; 0001360022; -37; -56; -8024; -8028; -8055; -8062; -8300; -8307; -8309; B001816010; -204

V. 24, **B+** M10, **Coil bolt** M10

Cap: Cargo 133447.



130304 Solenoid

Replacing: 0330105001; 0331450001; -4; -5; 2007022001; 2339450012; 16.150.010; zm-902

Servicing: 0001410015; -6; -7; -21; -29; -32; -34; -35; -41; -43; -44; -46; -52; -58; -61; -62; -63; -65; -67;

V. 24, **B+** Cable



130806 Solenoid

Replacing: 0331401011; -3; -26; -35; 0331402016; 16.670.124; 0331401011; zm-4744

Servicing: 0001362001; -2; -4; -5; -6; -7; -8; -10; -11; -18; 9000143400

V. 12, **B+** M10, **Coil bolt** M10

Cap: Cargo 131318.



131053 Solenoid

Replacing: 0331402005; -208; 9330142004; -504; 12320; 16.670.119; zm-638; 9330081042; 0331402044

Servicing: 0001360023; -5; -36; -40; -49; -4103; -4108; -8018; -8030; -8031; -8041; -8071; -8081; -8303; -8310

V. 24, **B+** M10, **Coil bolt** M10

Cap: Cargo 131318.



133554 Solenoid

Replacing: 0331100016; 0331101006; -9; 16.670.012; zm-901

Servicing: 0001410015; -6; -7; -21; -29; -32; -34; -35; -41; -43; -44; -46; -52; -58; -61; -62; -63; -65; -67;

V. 24



133983 Solenoid

Replacing: 16905426

Servicing: 11.130.210; -91; -334; -351; -600; azf3513; -24; -27; -33

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 137866.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



134042 Solenoid

Replacing: 16.905.402; -23; -524; -810; 16.907.055
Servicing: 11.130.166; -233; -234; -244; -245; -292; -293; -321; -338; -352; -375; -392; -417; -519; -590; -59
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133890.



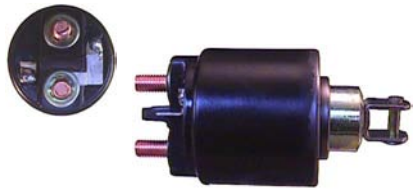
135092 Solenoid

Replacing: 16.905.418; 16.906.658
Servicing: 11.130.208; -346; -582; -646; aze2522; -f3512; -f3531
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133892.



139522 Solenoid

Replacing: 16.905.754; 16.906.542; -642
Servicing: 11.130.123; -79; -203; -322; -403; -410; -500; -510; -532; -533; -534; -596; -618; -630; -664; -665
V. 12, **B+** M10, **Coil bolt** M10



139523 Solenoid

Replacing: 16905814
Servicing: 11.130.328; -95; -505; aze1502; -f3549; -f3555
V. 12, **B+** M8, **Coil bolt** M8



139634 Solenoid

Replacing: 16.905.143; 16.906.015
Servicing: 11.130.026; -201; -247; -250; -251; -253; -254; -309; -319; -376; -402; -414; -432; -503; -514; -55
V. 12, **B+** M10, **Coil bolt** M10



139988 Solenoid

Replacing: 16905159
Servicing: 11.130.141; -491; -645; azj3132; -211
V. 24, **B+** M10, **Coil bolt** M10



230853 Solenoid

Replacing: 16908097
Servicing: 11.130.736; -881; -1.015; -1.140; azj3258; -310; -355; -528
V. 12, **B+** M10, **Coil bolt** M10



231012 Solenoid

Replacing: 16906836
Servicing: 11.130.724; -845; AZE2538; -58
V. 12, **B+** M8, **Coil bolt** 4
Cap: Cargo 137866.

233486 Solenoid

Replacing: 16905084
Servicing: 11130007
V. 12



233765 Solenoid

Replacing: 16906819
Servicing: 11.130.432; -619; -732; -838; -839; 11.201.869; azj3123; -96; -255; -291; -292
V. 12, **B+** M10, **Coil bolt** M10



234943 Solenoid

Replacing: 16906653
Servicing: 11.130.558; -647; -651; aze2507; -23; -25
V. 12, **B+** M8, **Coil bolt** M8



234985 Solenoid

Replacing: 16905764
Servicing: 11.130.146; -216; -225; -492; -598; -687; -861; azj3133; -88; -231; -298; -542
V. 24, **B+** M10, **Coil bolt** M10



235093 Solenoid

Replacing: 16908624

Servicing: 11.131.052; -136; -157; -164; -186; -233; aze1230; -2117; -2138; -2141; -2636; -2642

V. 12, **B+** M8, **Coil bolt** M8

Solenoid Parts

Solenoid Caps



133890 Solenoid Cap

Servicing: 13.905.423; -524

O.D. 51.90, **No. of leads** 3, **Bracket type** Crimp



133892 Solenoid Cap

Servicing: 16905418

O.D. 51.70, **No. of leads** 3, **Bracket type** Crimp



137866 Solenoid Cap

Servicing: 16906836

O.D. 51.80, **No. of leads** 4



139599 Solenoid Cap

Servicing: 16905157

O.D. 51.80, **No. of leads** 3

Moving Contacts

Pkg 5



133891 Moving Contact

Servicing: 16.905.423; -6

L. 36.10, **Th.** 2.50, **W.** 15.10, **Shaft** 42.55, **Material** Copper

Solenoid: Cargo 133983, 134042.

Assort. 803036

Drives



130414 Drive

Replacing: 2006209471; -500; 16.900.920; 1.01.0228.0

Servicing: 0001362038; -47; -69; -70; -77; -78; -83; -600; -601; -604; -605; -9004; 11.130.300; -99; -726; -88

O.D. 25.80, **I.D.** 12.00, **L.** 71.50, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



130417 Drive

Replacing: 2006380010; -410; -718; 5549-306bj; 9004794; 9018718; 9923779; 18.100.023; -98; 70616002; 72372530;

Servicing: 0001401011; -2; -23; -28; -41; -50; -52; -66; -67; -71; -2031; -2043; -2055; -2059; -2071; -2072; -

O.D. 34.70, **I.D.** 14.70, **L.** 120.00, **No. of teeth** 9, **Splines** 3, **Drive type** Steel

Not oilproof.



130418 Gear

Replacing: 2006382018; -152; -156; 8122126; 9004229; 9984246; 15.100.152; 1.01.0087.0

Servicing: 0001410018; -32; -37; -44; -46; -50; -62; -63; -69; -74; -75; -77; -81; -87; -98; -101; -102; -103;

O.D. 41.00, **I.D.** 10.15, **L.** 61.00, **Shaft L.** 39.65, **No. of teeth** 11, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



130419 Drive

Replacing: 2006382013; -7; -20; -150; -176; 15.100.092; 3315

Servicing: 0001410015; -6; -21; -29; -41; -58; -66; -78; -82; -83; -88; -90; -91; -117; -118; -1009; -1014; -1

O.D. 35.00, **I.D.** 10.60, **L.** 61.20, **Shaft L.** 40.10, **No. of teeth** 9, **Drive type** Steel



130722 Drive

Replacing: 5549-306ch; 2006380500; 18.100.104

Servicing: 10.130.141; -6; 11.130.320; 1343391; -491; -502; -503; -508; -511; -514; -530; -550; -731; -754; 13

O.D. 39.00, **I.D.** 14.70, **L.** 120.00, **No. of teeth** 10, **Splines** 3, **Drive type** Steel



130740 Drive

Replacing: 8087006; 4287980; 74870111; 1.01.0544.0; 16.900.038

Servicing: 63201000; -1; -2; -3; -4; -5; -101

O.D. 25.30, **I.D.** 11.50, **L.** 65.00, **No. of teeth** 9, **Splines** 2, **Rotation** ACR, **Drive type** Steel



130754 Drive

Replacing: 18900383

Servicing: 10130100

O.D. 25.25, **I.D.** 11.50, **L.** 65.00, **No. of teeth** 9, **Splines** 12, **Rotation** CR, **Drive type** Steel



131167 Drive

Replacing: 2006382174; 15.100.154; 2006383160

Servicing: 0001410067; -8; -116; -5020; -6038; -6043; -6044; -6072; B001450102; -9; -201; -280

O.D. 42.00, **I.D.** 10.15, **L.** 61.00, **Shaft L.** 40.00, **No. of teeth** 11, **Drive type** Steel



131267 Drive

Replacing: 2006209107; -17; -19; -301; -341; -401; 16.903.130; 1.01.0098.0; 1.01.0301.0

Servicing: 0001358048; -9; -9012; -9013; -9014; -9018; -9025; -9027; -9031; -9032; -9038; -9043; -9044; -9051;

O.D. 34.80, **I.D.** 14.00, **L.** 91.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



131714 Drive

Replacing: 2006380558; 3350; -550; 1.01.0036.0; 18.100.021; 0030

Servicing: 0001401027; -47; -2053; -2057; 0001501035; -42; 11.130.158; BNG4/12CR168SR; BPD6/24AR180; MTA24-2;

O.D. 41.00, **I.D.** 14.60, **L.** 120.00, **No. of teeth** 11, **Splines** 3, **Drive type** Steel



132075 Drive

Replacing: 9087000; 4141057; 18.900.179; 74866151

Servicing: 63222300

O.D. 29.00, **I.D.** 14.00, **L.** 70.20, **No. of teeth** 9, **Splines** 6, **Rotation** CR, **Drive type** Steel

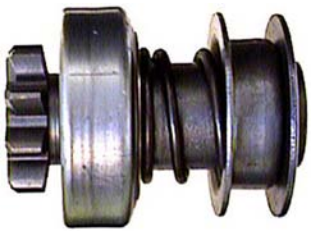


132273 Drive

Replacing: 2006209406; -22; -36; -46; 9002453073; 16.900.935; 1.01.0105.0; -4; 9001083406; -36; 130411; -719; 1

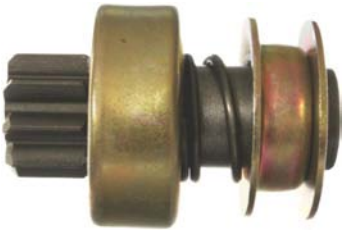
Servicing: 0001359017; -28; -31; -55; -57; -62; -71; -72; -73; -74; -77; -78; -83; -84; -87; -89; -91; -93; -9

O.D. 34.80, **I.D.** 14.30, **L.** 91.00, **No. of teeth** 9, **Splines** 10, **Drive type** Steel



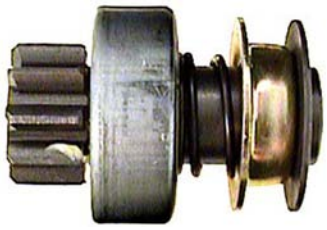
132624 Drive

Replacing: 18900297
Servicing: 10130072
O.D. 29.00, **I.D.** 11.50, **L.** 58.25,
No. of teeth 9, **Splines** 12, **Rotation** ACR,
Drive type Steel



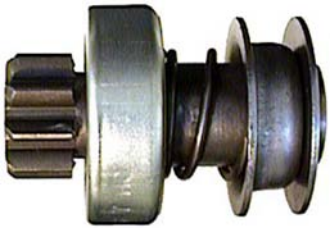
132764 Drive

Replacing: 16900089
Servicing: 11.130.029; -102; -162; -166; -209; -217; -218; -219; -234; -293
O.D. 25.15, **I.D.** 11.60, **L.** 65.00,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



132906 Drive

Replacing: 11.900.057; 16.900.057
Servicing: 11130007
O.D. 29.25, **I.D.** 11.60, **L.** 65.25,
No. of teeth 9, **Splines** 12, **Rotation** ACR,
Drive type Steel



133231 Drive

Replacing: 16900068
Servicing: 11.130.034; -155; -292; aze0303; -3504; -3519
O.D. 25.00, **I.D.** 11.70, **L.** 64.45,
No. of teeth 9, **Splines** 6, **Rotation** ACR,
Drive type Steel



133860 Drive

Replacing: 16.900.392; -408; -541; -922; 16.901.392; -408; 922h6; 1.01.0926.0
Servicing: 11.130.193; -210; -224; -244; -291; -338; -346; -378; -392; -395; -418; -582; -590; azf3509; -17; -
O.D. 25.20, **I.D.** 11.90, **L.** 56.45,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



133958 Drive

Replacing: 16900542
Servicing: 11.130.208; azf3512
O.D. 25.00, **I.D.** 12.00, **L.** 53.50,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



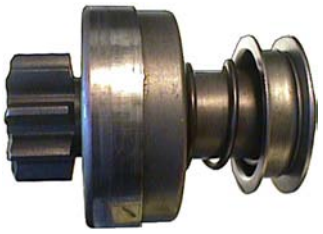
136969 Drive

Replacing: 16.900.254; -879; 16.903.087
Servicing: 11.130.117; -23; -203; -216; -247; -319; -432; -500; -503; -510; -531; -532; -538; -539; -540; -541
O.D. 35.00, **I.D.** 14.30, **L.** 76.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



137281 Drive

Replacing: 16.900.284; -117
Servicing: 11.130.026; -124; -141; -225; -322; -339; azj3546; -89
O.D. 34.40, **I.D.** 14.30, **L.** 82.25,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



138866 Drive

Replacing: 16.901.658; 1.01.1073.0
Servicing: 11.130.254; -364; -407; -409; -412; -484; -491; -619; -660; -671; -673; -687; -688; -704; -709; -74
O.D. 34.40, **I.D.** 14.50, **L.** 82.35,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



139519 Drive

Replacing: 16901512
Servicing: 11.130.328; -98; -529; -556; aze1502; -7; -21; -23
O.D. 25.25, **I.D.** 12.15, **L.** 56.25,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



139520 Drive

Replacing: 16.901.694; 6032
Servicing: 11.130.386; -509; -520; -526; -527; -579; -624; -627; -629; -631; -632; -659; -711; -872; -875; -89
O.D. 38.00, **I.D.** 13.85, **L.** 77.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



139521 Drive

Replacing: 16903166
Servicing: 11.130.534; -53; -69; -662; -665; -694; -750; -762; -797; -819; -820; -876; azj3158; -71; -81; -214
O.D. 31.80, **I.D.** 14.30, **L.** 82.00,
No. of teeth 10, **Splines** 10, **Drive type** Steel



230280 Drive

Replacing: 16.901.752; 2156
Servicing: 11.130.179; -201; -414; -595; -626; -686; -692; -705; -710; -734; -736; -821; -850; -861; -887; -89
O.D. 40.50, **I.D.** 14.30, **L.** 82.50,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



231623 Drive

Replacing: 16904847
Servicing: 11.130.810; -97; azj3319; -20; -32
O.D. 39.50, **I.D.** 14.35, **L.** 82.30,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



232482 Drive

Replacing: 16901722
Servicing: 11.130.402; AZJ3109
O.D. 34.00, **I.D.** 14.30, **L.** 80.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



233764 Drive

Replacing: 16903095
Servicing: 11.130.525; -35; -707; -732; -1.029; azj3150; -9; -245; -255; -359
O.D. 34.00, **I.D.** 14.25, **L.** 76.70,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



234267 Drive

Replacing: 16901769
Servicing: 11.130.410; -937; azj3116; -339
O.D. 34.20, **I.D.** 14.00, **L.** 76.55,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



234268 Drive

Replacing: 16900880
Servicing: 11.130.250; -309; -521; -554; -630; -682; -838; -839; -1.013; AZJ13227; azj3149; -72; -204; -227; -
O.D. 40.75, **I.D.** 14.30, **L.** 75.65,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



234270 Drive

Replacing: 16903392
Servicing: 11.130.534; -7; -783; -784; -1.143; azj3160; -281; -282
O.D. 37.60, **I.D.** 14.15, **L.** 81.70,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



234984 Drive

Replacing: 16901751
Servicing: 11.130.408; -596; -598; -605; -663; -678; -679; -703; -731; -739; -745; -796; -798; -799; -860; -89
O.D. 39.44, **I.D.** 14.00, **L.** 82.88,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



235092 Drive

Replacing: 16902152

Servicing: 11.131.186; aze1230

O.D. 28.08, **I.D.** 12.00, **L.** 56.50, **No. of teeth** 8, **Splines** 12, **Rotation** ACR, **Drive type** Steel



235621 Drive

Replacing: 16.900.151; 16900151; res2665

Servicing: 11.130.076; -200; -373

I.D. 39.00, **L.** 85.00, **No. of teeth** 10, **Splines** 10

Levers



138135 Lever

Replacing: 16905408

Servicing: 11.130.007; -29; -34; -85; -102; -155; -162; -166; -209; -217; -218; -219; -292; -293; aze0303; -4;

L. 88.25, **Lever** 1



235094 Lever

L. 82.55, **Lever** 1

Brush Sets



140974 Brush Set

Replacing: 16905832

Servicing: 11.130.321; -8; -98; -404; -483; -487; -495; -519; -529; -556; -580; -586; -661; -907; -984; -1.028

V. 12, **L.** 11.50, **Th.** 5.95, **H.** 12.00, **No. of brushes** 4

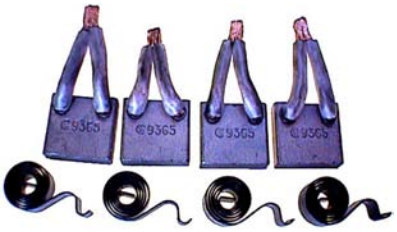


140978 Brush/Spring Set

Replacing: 16.905.688; 16.906.266

Servicing: 11.130.026; -74; -76; -127; -140; -179; -194; -198; -199; -200; -201; -229; -251; -254; -322; -366;

V. 12, **L.** 22.95, **Th.** 9.95, **H.** 24.80, **No. of brushes** 4



140979 Brush/Spring Set

Replacing: 16905695

Servicing: 11.130.339; -64; -67; -490; -491; -492; -595; -598; azj3131; -2; -3; -86; -88; -593; -595

V. 24, **L.** 23.02, **Th.** 8.00, **H.** 24.85, **No. of brushes** 4

Brush set: Cargo iksx10-114.



140981 Brush/Spring Set

Replacing: 16.905.645; -973

Servicing: 11.130.117; -23; -203; -250; -253; -300; -309; -319; -386; -399; -432; -500; -501; -502; -503; -509

V. 12, **L.** 23.42, **Th.** 8.88, **H.** 15.80, **No. of brushes** 4

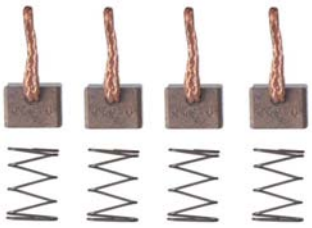


140982 Brush/Spring Set

Replacing: 16905233

Servicing: 11.130.010; -30; -124; -141; -151; -154; -230

V. 24, **L.** 23.07, **Th.** 9.84, **H.** 24.80, **No. of brushes** 4



141030 Brush Set

Replacing: 16906368

Servicing: 11.130.417; -558; -593; -623; -642; -646; -647; -651; -716; -717; -722; -723; -724; -772; -773; -77

V. 12, **L.** 13.10, **Th.** 5.95, **H.** 17.95, **No. of brushes** 4

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



bsx1004 Brush Set

Replacing: 2007014022; -35; -49; -51; -78; 16.905.380
Servicing: 0001360002; -7; -8; -9; -10; -12; -13; -15; -16; -17; -18; -19; -22; -23; -24; -25; -26; -27; -29;
V. 24, **L.** 23.00, **Th.** 7.85, **H.** 24.90,
No. of brushes 4
Assort. 803017



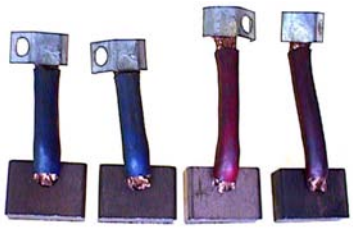
bsx1024 Brush Set

Replacing: 2007014053; 16.905.294; -767
Servicing: 0001357002; -62001; -62002; -62003; -62004; -62005; -62006; -62007; -62008; -62009; -62010; -62011;
V. 12, **L.** 25.35, **Th.** 8.80, **H.** 15.80,
No. of brushes 4
Assort. 803018



bsx1314 Brush Set

Replacing: 2007014008; -23; -36; -48; -61; 16.905.063
Servicing: 0001410015; -6; -7; -9; -21; -22; -23; -24; -25; -26; -29; -32; -34; -35; -36; -37; -38; -39; -40;
V. 24, **L.** 27.20, **Th.** 11.85, **H.** 35.90,
No. of brushes 4
Assort. 803011; 803017



bsx134-1444 Brush Set

Replacing: 2007014062; 16.905.376
Servicing: 0001367001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -18; -19; -20; -21;
V. 12, **L.** 16.60, **Th.** 9.82, **H.** 24.83,
No. of brushes 4
Assort. 803018



bsx135-1454 Brush Set

Replacing: 2007014063; 16.905.375
Servicing: 0001368001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20;
V. 24, **L.** 16.60, **Th.** 7.90, **H.** 24.90,
No. of brushes 4
Assort. 803017



bsx151s4 Brush Set

Replacing: 1007014140; -3; 16.905.247; BSX1514
Servicing: 0001218002; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21;
V. 12, **L.** 18.95, **Th.** 7.40, **H.** 18.00,
No. of brushes 4
Assort. 803010; 803018



bsx157-1584 Brush Set

Replacing: 16905235
Servicing: 11130606
V. 12, **L.** 14.40, **Th.** 5.95, **H.** 17.90,
No. of brushes 4
Assort. 803010; 803018



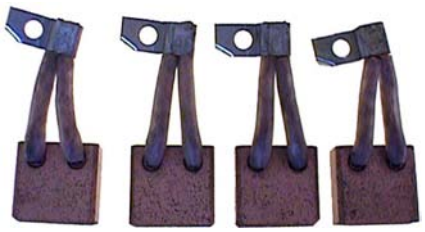
bsx344 Brush Set

Replacing: 1007014107; 2007014021; 16.905.387; -8
Servicing: 0001401069; -2018; -2031; -2043; -2050; -2053; -2054; -2055; -2057; -2058; -2059; -2060; -2065; -20
V. 24, **L.** 28.30, **Th.** 8.85, **H.** 19.85,
No. of brushes 4
Assort. 803017



bsx354 Brush Set

Replacing: 1007014109; 16.905.389
Servicing: 0001401011; -2; -9; -23; -26; -27; -28; -41; -44; -46; -47; -49; -50; -52; -57; -60; -62; -66; -67;
V. 12, **L.** 28.70, **Th.** 11.90, **H.** 19.95,
No. of brushes 4



bsx964 Brush Set

Replacing: 2007014050; -2; -6; -64; -566; 8060014040; 16.905.226; -392; BSX1184
Servicing: 0001358201; -2; -9001; -9002; -9003; -9008; -9010; -9012; -9013; -9014; -9016; -9018; -9019; -9020;
V. 12, **L.** 23.00, **Th.** 9.75, **H.** 24.80,
No. of brushes 4
Assort. 803018



iksx10-114 Brush Set

Replacing: iksx10-114
V. 12, **L.** 23.05, **Th.** 7.85, **H.** 24.90,
No. of brushes 4



IKSX124 Brush Set

Replacing: IKSX124
V. 12, **L.** 23.56, **Th.** 9.83, **H.** 24.89,
No. of brushes 4



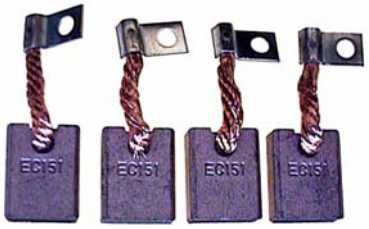
IKSX13-144 Brush Set

Replacing: IKSX13-144
V. 12, **L.** 13.10, **Th.** 5.95, **H.** 17.90,
No. of brushes 4
w/ springs: Cargo 141030.



iksx2-32 Brush Set

Replacing: 16.905.439; -950
Servicing: 11.130.193; -208; -210; -233; -244; -245; -246; -291; -334; -338; -346; -351; -352; -375; -378; -39
V. 12, **L.** 15.00, **Th.** 7.10/12.80, **H.** 11.90,
No. of brushes 2



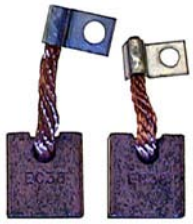
jsx134 Brush Set

Replacing: 9084040; 13784-59; 13784-7; 4045771; 4475185; 16.905.218; 74866041; 74874701
Servicing: MTD12-1; MTD12-14; -8; -9; MTR12-1; -6; -24-2; -24-7
V. 12, **L.** 19.90, **Th.** 6.95, **H.** 15.85,
No. of brushes 4
Assort. 803021



jsx162 Brush Set

Replacing: 13784-37; 4114432; 4255496; 16.905.108; -421; 74861781; 74868181
Servicing: 11.130.007; -29; -34; -85; -102; -155; -162; -166; -217; -218; -219; -234; -292; 63220700; -32; -35
V. 12, **L.** 18.95, **Th.** 7.95, **H.** 16.90,
No. of brushes 2
Assort. 803021



jsx52 Brush Set

Replacing: 8084046; 13784-5; 13784-68; 4259228; 16.905.225; 74868171
Servicing: 11.130.134; -43; -266; -314; 63201000; -1; -2; -3; -4; -5; -101; -20107; -20108; -20137; -20138; -2
V. 6, **L.** 16.99, **Th.** 5.95, **H.** 15.90,
No. of brushes 2
Assort. 803021

Bushings

Pkg 10



140006 Bearing Bushinging

Replacing: 1900301420; 15.120.012; -155
Servicing: 0001358201; -2; -9001; -9002; -9003; -9008; -9010; -9012; -9013; -9014; -9016; -9018; -9019; -9020;
O.D. 20.00, **I.D.** 14.00, **L.** 10.00, **Type** Standard, **Material** Copper



140007 Bearing Bushinging

Replacing: 2000410040; 17.900.295
Servicing: 0001401041; -4; -6; -7; -9; -50; -52; -57; -60; -62; -66; -67; -68; -69; -71; -73; -2008; -2018; -2
O.D. 39.15, **I.D.** 34.25, **L.** 41.80, **Material** Metal

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



140010 Bearing Bushinging

Replacing: 2000301000; 15.120.094; 140010

Servicing: 0001223026; -30001; -30003; -30004; -30005; -30006; -30007; -30008; -30009; -30010; -30011; -30012;

O.D. 16.55, **I.D.** 12.59, **L.** 18.00, **Material** Copper

Assort. 803012

Pkg 10



140019 Bearing Bushinging

Replacing: 2000301043; -7; 15.120.095; 140019

Servicing: 0001330004; -7; -11; -62034; -62035; -62036; -62037; -62038; -62039; -62040; -62041; -62042; -62043

O.D. 18.03, **I.D.** 14.06, **L.** 14.00, **Material** Copper

Assort. 803012

Pkg 10



140026 Bearing Bushinging

Replacing: 2000301045; 15.120.011; 2000301041; 140026

Servicing: 0001358048; -9002; -9003; -9008; -9010; -9012; -9013; -9014; -9016; -9018; -9020; -9023; -9025; -90

O.D. 23.10, **I.D.** 19.10, **L.** 13.00, **Material** Copper

Assort. 803012

Pkg 10



140040 Bearing Bushinging

Replacing: 601476; 68412; 97658; 15.120.087; -22; 140040

Servicing: M78, M79. 11.130.174; -93; -208; -210; -233; -244; -245; -246; -291; -321; -328; -334; -338; -344; -

O.D. 15.00, **I.D.** 12.00, **L.** 12.00, **Material** Copper

Assort. 803019; 803025

Pkg 10



140050 Bearing Bushinging

Replacing: 672541; 8084316; 908431; 9916076; 17.120.057; 74868210

Servicing: 63223200

O.D. 14.02, **I.D.** 10.08, **L.** 13.50, **Type** Standard, **Material** Copper

Assort. 803020

Pkg 10



140140 Bearing Bushinging

Replacing: 2000301004; 9923764; 9924764; 15.120.014

Servicing: 0001400016; -1011; -1012; -1019; -1023; -1026; -1027; -1028; -1044; -1046; -1047; -1049; -1050; -10

O.D. 19.60, **I.D.** 16.64, **L.** 18.90, **Type** Standard, **Material** Copper

Assort. 803012

Pkg 10



140310 Bearing Bushinging

Replacing: 2114-4661; 2114-5661; 15.120.161; fbh-31; 23319-n3300

Servicing: 11.130.203; -16; -48; -50; -309; -386; -432; -500; -501; -502; -503; -509; -510; -520; -521; -525;

O.D. 16.00, **I.D.** 12.53, **L.** 15.00, **Type** Standard, **Material** Copper

Assort. 803002; 803042

Pkg 10



140435 Bearing Bushinging

Replacing: 17120305

Servicing: 11.130.007; -29; -34; -85; -102; -155; -162; -166; -209; -217; -218; -219; -234; -292; -293

O.D. 14.10, **I.D.** 11.60, **L.** 13.00, **Type** Standard, **Material** Copper

Pkg 10



140436 Bearing Bushinging

Replacing: 3305-10; 17.120.203

Servicing: 11.130.007; -29; -34; -85; -102; -155; -162; -166; -209; -217; -218; -219; -234; -292; -293; -300;

O.D. 16.00, **I.D.** 12.00, **L.** 15.80, **Type** Standard, **Material** Copper

Pkg 10



140977 Bearing Bushinging

Replacing: 15.120.010; -153; 16.120.010; 15.120.243
Servicing: 11.130.010; -26; -30; -74; -76; -83; -124; -127; -140; -141; -146; -151; -154; -179; -194; -198; -1
O.D. 18.00, **I.D.** 14.30, **L.** 17.95, **Type** Standard, **Material** Copper

Pkg 10



140996 Bearing Bushinging

Replacing: 15120089
Servicing: 11.130.117; -9; -23; -222; -247; -253; -295; -319; -386; -501
O.D. 15.89, **I.D.** 12.45, **L.** 18.00, **Type** Standard, **Material** Copper

Pkg 10



141031 Bearing Bushinging

Replacing: 16906372
Servicing: 11.130.417; -558; -623; -642; -646; -647; -651; -716; -717; -772; -773; -777; -787; -908; -910; -91
O.D. 15.04, **I.D.** 12.12, **L.** 13.90, **Material** Copper

Pkg 10



141032 Bearing Bushinging

Replacing: 16906373
Servicing: 11.130.417; -558; -593; -623; -642; -646; -647; -651; -716; -717; -722; -723; -724; -763; -772; -77
O.D. 15.01, **I.D.** 10.10, **L.** 10.00, **Material** Copper

Pkg 10



142041 Bushinging

Replacing: 16906374
Servicing: 11.130.328; -98; -404; -483; -487; -495; -519; -529; -556; -580; -586; -661; -763; -782; -790; -907
O.D. 15.00, **I.D.** 12.00, **L.** 11.90, **Material** Copper

Bearings

Needle Bearings



141093 Bearing Kit

Replacing: 16.906.345; 16.908.665
Servicing: 11.201.440; -98; -534; -597; -598; -666; -667; -668; -670; -675; -727; -738; -754; -758; -769; -800

Sundry Parts

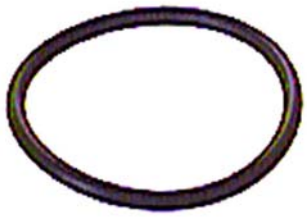


138134 Brake Kit

Replacing: 16905411
Servicing: 11.130.102; -55; -62; -66; -209; -219; -234; -292; -293
Dimension 8.55

O - rings

Pkg 10



139562 O-Ring

I.D. 30.00, **Th.** 2.50

Rods



131443 Rod/Plunger

Replacing: 2003050052; -6; -8; -75; 2007010045; 06703; 16.110.010
Servicing: 0001410016; -7; -9; -21; -22; -24; -35; -37; -41; -44; -46; -49; -50; -52; -58; -61; -63; -67; -68;
L. 325.00

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Regulators



130047 Regulator

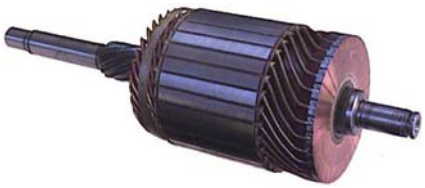
Replacing: 0190215007; -8; -12; -14; -15; -16; -27; -28; -29; -37; 0190350009; -45; 11.125.078; 130337; 9190215

Servicing: 0010300100; 0101209033; LJ/GEH90/12/1800F

V. 12, **Amp.** 11, **Watt** 90, **Terminal type** D+ - DF-B+, **Regulator type** Electronic, **Insulated return** No

Cargo 130047 replaces Cargo 130337.

Armatures



131840 Armature

Replacing: 2108-3708200

V. 12, **kW.** 1.3, **Core OD** 67.00, **Shaft L.** 240.00, **Splines** 12, **Rotation** ACR



135972 Armature

V. 12, **kW.** 1.3, **Core OD** 66.95, **Shaft L.** 245.70, **Splines** 12, **Rotation** CR

New type.

Field Coils



130368 Field Coil

Replacing: 4154272; 74866471; 2101-3708120

V. 12, **kW.** 1.3, **H.** 93.80, **Brush gear** w/o

Main coil.



130369 Field Coil

Replacing: 4154273; 74866481; 2101-3708150

V. 12, **kW.** 1.3, **H.** 97.20, **Brush gear** w/o

Aux. coil.



134939 Field Coil

Servicing: 2108-3708010

V. 12, **kW.** 1.3



138344 Field Coil

Replacing: 2108-3708150

V. 12, **kW.** 1.3, **H.** 92.65, **Brush gear** w/o

C.E. Brackets



134940 C.E. Bracket

Servicing: 2108-3708010

w/o springs and brushes. Brush set: Cargo jsx134.

D.E. Brackets



134945 D.E. Bracket

Replacing: 2108-3708400

Solenoids



130367 Solenoid

Replacing: 4154106; 63600507; zm-1650; 2101-3708805

Servicing: 63222400; -30; -700; -701; -730; -731

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131324.



131439 Solenoid

Replacing: zm-579; 2108-3708808

V. 12, **B+** M8

Cap: Cargo 131324.

Solenoid Parts

Coils



131324 Solenoid Cap

Replacing: zm-165091; 131324

Servicing: 2101-3708805; 63600507

O.D. 65.00, **No. of leads** 3

w/ spade terminals.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



135225 Solenoid Cap

O.D. 53.00, **No. of leads** 3, **Bracket type** Crimp

Drives



130738 Drive

Replacing: 9001133219; 17061-10; 4154293; 4243124; 4475122; 74866611; 74867401; 74874241; 85540271; 1.01.0213.0

Servicing: 63222430; -5; -8; -9; -531; -532; -536; -730; -731; -736; MTD12-14; -9; mtd12-9

O.D. 29.15, **I.D.** 14.00, **L.** 68.00, **No. of teeth** 11, **Splines** 6, **Rotation** CR, **Drive type** Steel



131212 Drive

Replacing: 1.01.0540.0; 2108-3708620

Servicing: 2108-3708010

O.D. 29.20, **I.D.** 14.00, **L.** 66.50, **No. of teeth** 11, **Splines** 6, **Rotation** ACR, **Drive type** Steel



233993 Drive

Replacing: 1.01.1068.0; 2110-3708620

Servicing: 2110-3708010

O.D. 25.10, **I.D.** 12.00, **L.** 52.35, **No. of teeth** 9, **Rotation** ACR, **Drive type** Steel

w/ lever.

Brush Gears

Brush gears parts

Brush Springs

Pkg 10



135119 Brush Spring

Servicing: M78R, M79, M80R.

O.D. 9.25, **L.** 30.30

Assort. 803026

Bushings

Pkg 10



140374 Bearing Bushinging

Replacing: 2108-3708405

Collar O.D. 22.95, **O.D.** 16.00, **I.D.** 12.00, **L.** 19.40, **Type** Standard, **Material** Copper

Assort. 803020

Pkg 10



140626 Bearing Bushinging

O.D. 15.10, **I.D.** 14.40, **L.** 25.90, **Material** Steel

Assort. 803020

Pkg 10



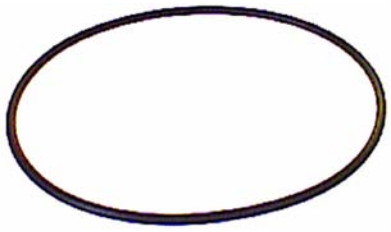
140742 Bearing Bushinging

Collar O.D. 23.25, **O.D.** 16.00, **I.D.** 11.80, **L.** 19.10, **Material** Copper

Sundry Parts

O - rings

Pkg 5



136630 O-Ring

I.D. 92.00, **Th.** 3.00

Solenoids



132140 Solenoid

Replacing: 850686; 77452; 855248; -528; 856025; -121

Servicing: 850277; -461; -534; -598; -604; -606; -615; -628; -811; -894; -1002; 851004A; 851124; -339; -360; -

V. 24, **B+** M14-1.5, **Coil bolt** M14-1.5

Cap: Cargo 132141. Moving contact: Cargo 132142. Insulated return.



232023 Solenoid

Replacing: L1033; zm-816

Servicing: 4502ME; -3me; m0014502me; -3ME

V. 12, **B+** M10, **Coil bolt** M8

Solenoid Parts

Solenoid Caps



132141 Solenoid Cap

Replacing: 98004; 225014

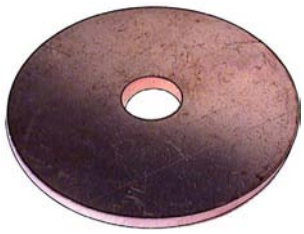
Servicing: ms1a; -3a

O.D. 76.55, **No. of leads** 2

12V./24V.

Moving Contacts

Pkg 5



132142 Moving Contact

Replacing: 850689; 77461

Servicing: 850277; -461; -534; -598; -604; -606; -615; -628; -811; -894; -1002; 851004A; 851124; -339; -360; -

Th. 3.00, **W.** 50.15, **Material** Copper

12V./24V.

Drives



130535 Drive

Replacing: 480197; -216; -427; -436; 481999; d6pf11a108ba; d6pz11350b; sd152; -64; -75; -76; 04231; 1.01.0053.0

Servicing: C8VF11000A; c8vy11002c; c9af11001a; D2AF11001ER

O.D. 25.10, **I.D.** 12.00, **L.** 72.00, **No. of teeth** 9, **Splines** 4, **Rotation** CR, **Drive type** Steel



130539 Drive

Replacing: 852962; 1p2508; 1894211; 1935487; 1945487; 1952083; 1955777; 1960370; 1967779; 1976884; 800066; 8306

Servicing: 40MT, 42MT, 50MT. 10461041; -5; -7; -8; -78800; -78802; -78807; -78808; -78809; -78810; -78813; -788

O.D. 56.50, **I.D.** 15.90, **L.** 120.40, **Shaft L.** 15.90/5/8", **No. of teeth** 11, **Splines** 19, **Rotation** CR, **Drive type** Bronze



131056 Drive

Replacing: 1893560; 1894213; 1936647; 1946945; -57; 1948606; 1965514; 1970711; 1977005; 800068; 851073; 852762;

Servicing: 40MT, 42MT, 50MT. 10461046; -60; -61; -78803; -78804; -78860; -78864; -78869; -78903; -78918; -78931

O.D. 46.20, **I.D.** 15.90, **L.** 120.40, **Shaft L.** 15.90/5/8", **No. of teeth** 12, **Splines** 19, **Rotation** CR, **Drive type** Bronze



131399 Drive

Replacing: 480079; -204; -474; d1ry11350b; -c; d2ry11350b; d4ry11350a; d6pz11350a; d9pz11350a; e1pz11350b; sd30

Servicing: d12f11001aa; D1FF11001A; d1fz11002a; D22F11001A; D2FZ11002A

O.D. 25.10, **I.D.** 12.05, **L.** 62.00, **No. of teeth** 9, **Splines** 4, **Rotation** CR, **Drive type** Steel



131768 Drive

Replacing: 2006202001; -3; 850629; -760; 852760; -959; 1918079; 1932031; 1985129; d2021; 10647; 480320; e480320

Servicing: 40MT. 0001370002; 0001420002; -6; -7; -8; -10; -11; -26; -27; -1007; -1009; -1010; 1108894; -5; -923

O.D. 56.50, **I.D.** 19.00/3/4", **L.** 120.40/4.740", **Shaft L.** 19.00/0.748", **No. of teeth** 11, **Splines** 19, **Rotation** CR, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



132731 Drive

Replacing: 1894212; 1945879; 1970527; 1977004; 800067; 830621; 480135; -322; e480322; 64235; 1.01.0626.0

Servicing: 40MT, 42MT, 50MT. 10478836; -51; -54; -57; -72; -74; -75; -92; -978; -979; -981; -9002; 1109220; -1;

O.D. 56.00, **I.D.** 15.75, **L.** 119.70, **Shaft L.** 15.90/5/8", **No. of teeth** 11, **Splines** 19, **Rotation** ACR, **Drive type** Bronze



231455 Drive

Replacing: 1932603; 1985131; 480170; -210; -415; e480415; 13539; m029013539; 59-225; pd-13a; 1.01.0879.0; 13610

Servicing: 40MT. 1113350; -69; -74; -801; -804; -811; -817

O.D. 49.20, **I.D.** 18.85, **L.** 118.00/4.646", **No. of teeth** 13, **Splines** 19, **Rotation** CR, **Drive type** Bronze



231969 Drive

Replacing: 1933404; 1985132; 480412; 76308; m029076308; 54-129; 1.01.0930.0

Servicing: 50MT. 1113344

O.D. 56.30, **I.D.** 19.00, **L.** 118.00/4.646", **No. of teeth** 11, **Splines** 19, **Rotation** ACR, **Drive type** Steel



232632 Drive

Replacing: 2006202000; 480410; 75249; m029075429; 103066; 1.01.0776.0

Servicing: 0001420001; -3; -4; -5; -9; -12; -13; -14; -15; -24; -25; -1001; -1002; -1003; -1004; -1006; -1008;

O.D. 46.30, **I.D.** 19.00, **L.** 118.00, **No. of teeth** 12, **Splines** 19, **Rotation** CR, **Drive type** Steel



233175 Drive

Replacing: 18-56

Servicing: 4502ME; -3me; m0014502me; -3ME

O.D. 32.10, **I.D.** 14.40, **L.** 105.65, **No. of teeth** 10, **Splines** 6, **Rotation** CR, **Drive type** Bronze

Bushings

Pkg 10



141143 Bushinging

Replacing: 850141

Servicing: 38401; -98401; M027098401

O.D. 25.45, **I.D.** 19.10, **L.** 19.00, **Material** Copper

Pkg 10



141144 Bushinging

Servicing: 73644; -98644; M027098644

O.D. 28.65, **I.D.** 22.25, **L.** 29.90, **Material** Copper

Sundry Parts



136412 Rubber Boot

Replacing: 850733; 71163; 95146; 77491; 225313

Servicing: MS1; MS1/100; -1; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -16; -17; -18; -19; -20;

O.D. 52.35, **H.** 43.35

Armatures



130195 Armature

Replacing: 271737; 272334; tib115
Servicing: M45G. 26132; 26132A; -F; 26133; 26133A; -J; -43A; -43H; -45A; -45F; -46A; -46F; -47A; -47H; -48A; -4
V. 12, **kW.** 2.1, **Core OD** 74.50, **Shaft L.** 338.00, **Splines** 6, **Rotation** CR
Commutator: Cargo b138688.



130200 Armature

Replacing: 54243590; tjb103; 26252339
Servicing: M50G. 26211U; -27N; -27R; -27V; -46M; -65J; -65M; -73e; -73f; -73H; -73M; -74E; -74F; -74H; -74N; -9
V. 12, **kW.** 2.8, **Core OD** 84.00, **Shaft L.** 303.40, **Splines** 12, **Rotation** CR
Shaft: Cargo 136811. Commutator: Cargo B138688.



130202 Armature

Replacing: 54247379; 54292953; tib108
Servicing: M45G. 26213A; -5H; -36L; -38M; -38Q; -48M; -56H; -59L; -59N; -60E; -64H; -64K; -75F; -75K; -78H; -79
V. 12, **kW.** 2.1, **Core OD** 74.50, **Shaft L.** 303.60, **Splines** 12, **Rotation** CR
Shaft: Cargo 136811. Commutator: Cargo B138688.



130203 Armature

Replacing: 54241719; 54246418; -544; 54247025; -556; -935; tgb100
Servicing: M35J. 25137; 25137A; -E; -F; -N; -45A; -45H; -45J; -46A; -46J; -46K; -56A; -56H; -56J; -56R; -57A; -
V. 12, **kW.** 0.8, **Core OD** 54.00, **Shaft L.** 249.80, **Splines** 12, **Rotation** CR



130205 Armature

Replacing: 54251818; tib113
Servicing: M45G. 26132H; -J; -R; -3K; -3R; -43J; -43Q; -45H; -45N; -46H; -46N; -47J; -47M; -48H; -48N; -49H; -4
V. 12, **kW.** 2.1, **Core OD** 74.45, **Shaft L.** 340.00, **Splines** 6, **Rotation** CR



130206 Armature

Replacing: 54252038; 54260640; tgb107
Servicing: M35J. 25147; 25147A; -B; -H; -8A; -8B; -8K; -9B; -9H; -50A; -50E; -238A; -238E; -239A; -239F; -241A;
V. 12, **kW.** 0.8, **Core OD** 53.80, **Shaft L.** 290.50, **No. of teeth** 4, **Splines** 4



130210 Armature

Replacing: 54257635; tjb106; C5NF11005C
Servicing: M50. 26211A; -L
V. 12, **kW.** 2.8, **Core OD** 84.00, **Shaft L.** 303.30, **Splines** 3, **Rotation** CR
Commutator: Cargo b138688.



130211 Armature

Replacing: 54257650; tib117
Servicing: M45G. 26233a; -F; -J; -86A; -86E; -302A; -302D; -320A; -320B
V. 12, **kW.** 2.1, **Core OD** 74.60, **Shaft L.** 239.50, **Splines** 12, **Rotation** CR
Commutator: Cargo b138688.



130212 Armature

Replacing: 54258128; tjb107
Servicing: M50. 26211M; -T; -27A; -27E; -27F; -27Q; -46A; -46L; -73A; -73D; -74A; -74D; -82A; -82D; -91A; -91D;
V. 12, **kW.** 2.8, **Core OD** 84.00, **Shaft L.** 302.15, **Splines** 3, **Rotation** CR

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



130824 Armature

Replacing: 227271; -693; -987; 54214237; -537; 54217499; uwb100

Servicing: C40. 22700l; -r; -4L; -4Q; -5F; -5L; 22715; 22715E; -K; -42E; -42K; -47A; -47B; -48A; -48B; 22754; 2

V. 12.0, **Core OD** 60.40, **Shaft L.** 216.00
22 Amp.



130826 Armature

Replacing: 54216228; -753; 54218417; uwb106; C5NF10027B

Servicing: C40T. 22700; -55; 22755A; -H; 22756; 22756A; -H; 22757; 22757A; -H; 22758; 22758A; -E; -64A; -64E

V. 12, **Core OD** 60.50, **Shaft L.** 238.20
11/22 Amp.



130878 Armature

Replacing: 54243592; tjb104

Servicing: M50. 26234A; -J; -K; -84A; -84D; -84E; -336A; -336F; -336H; -336Q; -336R; -337A; -337B; -337D; -337H

V. 12, **kW.** 2.8, **Core OD** 84.00, **Shaft L.** 331.00, **Splines** 12, **Rotation** CR
Commutator: Cargo b138688.



131650 Armature

Replacing: 54267043; tgb110

Servicing: 9M90. 25332; 25332A; -E; 25333; 25333A; 25336; 25336A; 25337; 25337A; -B; 25339; 25339A; -J; -K; 253

V. 12, **kW.** 0.8, **Core OD** 61.00, **Shaft L.** 225.50, **Splines** 12



131651 Armature

Replacing: 54267052; tgb109

Servicing: 8M90. 25326; 25326A; -E; 25331; 25331A; -D; 25335; 25335A; -B; 25338; 25338A; -B; 25354; 25354A; -B;

V. 12, **kW.** 0.8, **Core OD** 53.80, **Shaft L.** 225.20, **Splines** 12, **Rotation** CR
Commutator: Cargo b138688.



131652 Armature

Replacing: 54245090; 54246259; -90; thb101

Servicing: 2M100. 25629A; -E; -34A; -34E; -38A; -38E; -39A; -39E; 25642; 25642A; -F; 25643; 25643A; -J; 25644;

V. 12, **kW.** 1.1, **Core OD** 61.00, **Shaft L.** 272.50, **Splines** 12, **Rotation** CR



131654 Armature

Replacing: 54251052; tib112

Servicing: M45G. 26163A; -F

V. 12, **kW.** 2.1, **Core OD** 74.50, **Shaft L.** 319.35, **Splines** 4, **Rotation** CR
Commutator: Cargo b138688.



131655 Armature

Replacing: 54255952; tib114

Servicing: M45G. 26125F; -208A; -208E; -215A; -215F; -236A; -236K; -238A; -238L; -248A; -248L; -256A; -256E; -2

V. 12, **kW.** 2.1, **Core OD** 75.00, **Shaft L.** 302.00, **Splines** 3



131656 Armature

Replacing: 54247383; tib109

Servicing: M45G. 26233K; -M; -86F; -86J; -302E; -302H; -320D; -320J; -333B; -335A; -348A; -348D; -7419A; -7419D

V. 12, **kW.** 2.1, **Core OD** 74.45, **Shaft L.** 331.00, **Splines** 12, **Rotation** CR
Commutator: Cargo b138688.



132401 Armature

Replacing: 54268555; tjb112

Servicing: M127. 27508A; -B; -D; -9A; -9B; -12A; -12D; -33A; -33E; -43A; -43D; -45A; -45B; -46A; -46B; -51A; -5

V. 12, **kW.** 2.8, **Core OD** 83.96, **Shaft L.** 333.00, **Splines** 12, **Rotation** CR



132402 Armature

Replacing: 54249001; tjb102

Servicing: 3M127. 27301A; -H; -4A; -4J; -5A; -5H; -7A; -7E; -9A; -9E; -10A; -10F; -11A; -11E; -12A; -12D; -13A;

V. 24, **Core OD** 84.20, **Shaft L.** 356.10, **Splines** 12, **Rotation** CR



133302 Armature

Replacing: 54290615; tgb123

Servicing: M80. 26903B; -D; 26904; 26905A; -D; -7B; -8A; -8B; -9B; -9D; -10D; -10F; -11B; -11D; -12E; -13A; -14

V. 12, **kW.** 1.7, **Core OD** 53.90, **Shaft L.** 144.00, **No. of teeth** 12



133303 Armature

Replacing: 54290749; tgb124

Servicing: M78. 26701A; -J; -2E; -2K; -7A; -7L; 26708; 26713A; -D; -5B; -6B; -7A; 63226701; -17; -19; -22

V. 12, **kW.** 1.0, **Core OD** 53.90, **Shaft L.** 104.15, **Rotation** ACR



133304 Armature

Replacing: 54292308; tgb126

Servicing: M79. 26604E; -J; -6E; -6H; -47A; -47E; 63226604; -6; -47; -7025; -7029

V. 12, **kW.** 0.8, **Core OD** 53.55, **Shaft L.** 211.70, **Splines** 9, **Rotation** ACR



133305 Armature

Replacing: 54291945; tgb122

Servicing: M79. 26600E; -F; -1E; -1F; -2D; -2H; -5A; -9F; -9J; -13E; -13H; -14B; -14D; -16A; -16B; -18A; -18E;

V. 12, **kW.** 0.8, **Core OD** 53.50, **Shaft L.** 201.80, **Splines** 9, **Rotation** CR



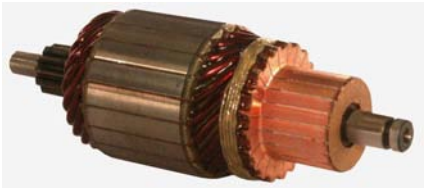
133368 Armature

Replacing: 26253757; 54268382; 54292376; tjb111; -3; -4

Servicing: M127. 26925155B; 27500a; -J; -1A; -1B; -1E; -2A; -2D; -3A; -3D; -4A; -4B; -5A; -5D; -6A; -6D; -7A; -

V. 12, **kW.** 2.8, **Core OD** 84.00, **Shaft L.** 302.40, **Splines** 12, **Rotation** CR

Commutator: Cargo b138688.



134365 Armature

Replacing: 54294409; -543; 83220271; 83222921

Servicing: 63111000; 63223430; -1; -2; -3; -4; -5; -6; -8; -94; -530; -531; -532; -533; -639; -93435

V. 12, **kW.** 1.0, **Core OD** 47.40, **Shaft L.** 142.50, **No. of teeth** 11, **Rotation** CR/ACR

Commutator: Cargo b138976.



135815 Armature

Replacing: 54290870; tgb125

Servicing: M78R. 26800; 26800D; -H; 26801; 26801B; -F; 26802; 26802B; 26803; 26803A; -D; 26804; 26804A; -E; 268

V. 12, **kW.** 1.4, **Core OD** 53.95, **Shaft L.** 119.00, **Splines** 12, **Rotation** CR/ACR

Commutator: Cargo b232972.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



135869 Armature

Replacing: 26255073; 54248609; tib107

Servicing: 2M113. 26372A; -B; -85A; -85B; -90A; -90B; -90E; -94A; -94D; 26925188D; -9D; -94D; -98D; -200A; 2740

V. 12, **kW.** 2.1, **Core OD** 74.50, **Shaft L.** 302.20, **Splines** 12, **Rotation** CR

Commutator: Cargo b138688.



136166 Armature

Replacing: 54292586; tgb129

Servicing: M79. 26631; 26631A; -D; 26645; 26645E; 26646; 26646B; -D; 26688; 63226631; -88; -7041

V. 12, **kW.** 0.9, **Core OD** 53.65, **Shaft L.** 201.75, **Splines** 9, **Rotation** ACR



136319 Armature

Replacing: 54292574; -5; tgb130

Servicing: M79. 26660; -90; -93; -94; 63226693; -4; -7034; -7035

V. 12, **kW.** 0.8, **Core OD** 53.75, **Shaft L.** 225.10, **Splines** 9, **Rotation** ACR



136963 Armature

Replacing: 54292192; tgb128

Servicing: M79. 26648; -9; -55; -56; -57; -86; -7048; -7049; 63226686; -7048; -7049

V. 12, **kW.** 0.8/0.9, **Core OD** 53.65, **Shaft L.** 214.30, **Splines** 9, **Rotation** CR



137002 Armature

Replacing: 54267718; tgb113

Servicing: 8M90. 25350; -1

V. 12, **kW.** 0.8, **Core OD** 61.00, **Shaft L.** 243.55, **Splines** 12, **Rotation** ACR



137003 Armature

Replacing: 54268252; tgb114

Servicing: 9M90. 25349; 25349A

V. 12, **kW.** 0.8, **Core OD** 53.83, **Shaft L.** 243.40, **Splines** 12, **Rotation** ACR



137004 Armature

Replacing: 54269737; tgb117

Servicing: 9M90. 25375; 25375A; -B; 25377; 25377A; -B; 25387; 25387A

V. 12, **kW.** 0.9, **Core OD** 61.00, **Shaft L.** 247.00, **Splines** 12, **Rotation** ACR



137363 Armature

Replacing: 54269554; tjb115

Servicing: M127. 27544A; -64A; -64F; 63227564

V. 12, **kW.** 2.8, **Core OD** 84.15, **Shaft L.** 330.00, **Splines** 12, **Rotation** CR

Commutator: Cargo b138688.



137530 Armature

Replacing: 54292178; tgb127

Servicing: M79. 26607e; -H; 26692; -6; -7037; -7044; -7045; 63226607; -92; -96; -7037; -7044; -7045

V. 12, **kW.** 1.0, **Core OD** 53.75, **Shaft L.** 214.20, **Splines** 9, **Rotation** ACR

Commutator: Cargo b139121.



138443 Armature

Replacing: 54295331; 83225758

Servicing: 63223103; -4; -30001; -30003; -93103; -93104

V. 12, **kW.** 0.8, **Core OD** 51.55, **Shaft L.** 218.45, **Splines** 12, **Rotation** ACR

Commutator: Cargo b139779.



138526 Armature

Replacing: 54294569; 83227126

Servicing: 1114648; 63111001; -5; -7; -8; -9; -16; -17; -23; -27; -36; 63223537; -730

V. 12, **kW.** 1.4, **Core OD** 47.45, **Shaft L.** 120.00, **Splines** 11



230263 Armature

Replacing: 26253935

Servicing: 26925193A; -6A

V. 12, **kW.** 2.8, **Core OD** 84.15, **Shaft L.** 302.00, **Splines** 12



232267 Armature

Replacing: 54294703

Servicing: 63223538

V. 12, **kW.** 1.1, **Core OD** 47.40, **Shaft L.** 119.00, **Splines** 13



233740 Armature

Replacing: 54248981; TIB110

Servicing: M45. 26268j; -l; -9h; -9l; -346e; -346k; -381e; -381f; -383a; -383d; -396a; -396b; -7405a; -7405b; -

V. 12, **kW.** 2.1, **Core OD** 74.20, **Shaft L.** 306, **Splines** 12

Various



136811 Armature Shaft

Servicing: M45G. 54243590; -7379

Front D. 12.80, **Rear D.** 17.00, **L.** 302.00, **No. of splines** 12

Yokes



138524 Yoke Assy

Replacing: 54291935; teb149

Servicing: 26600E; -F; -1E; -1F; -2D; -2H; -5A; -9F; -9J; -13E; -13H; -14B; -14D; -15D; -16A; -16B; -18A; -18E

V. 12, **kW.** 0.9, **O.D.** 79.60, **L.** 82.90, **Brush gear** w/o, **Magnets** w/o



138548 Yoke Assy

Replacing: 54291993

Servicing: 63226601; -9; -27; -80; -81; -86; -7006; -7016; -7049; -7052

V. 12, **kW.** 0.9, **O.D.** 79.70, **L.** 81.80, **Brush gear** w/o, **Magnets** w/o



138549 Yoke Assy

Replacing: 54291994

Servicing: 63226606; -7; -31; -88; -7037; -7041

V. 12, **kW.** 0.9, **O.D.** 80.90, **L.** 82.10, **Rotation** ACR, **Brush gear** w/o, **Magnets** w/o



138550 Field Coil Housing

Replacing: 54292316

Servicing: 63226604; -47; -93; -94; -7025; -7029; -7034; -7035

V. 12, **kW.** 0.8, **O.D.** 79.80, **L.** 82.30, **Rotation** ACR, **Brush gear** w/o



138551 Yoke Assy

Replacing: 54293687

Servicing: 26695; 63226667; -89; -95; -7004; -7017; -7043; -7051

V. 12, **kW.** 0.9/1.0, **O.D.** 81.00, **L.** 82.30, **Brush gear** w/o, **Magnets** w/o



138559 Field Coil Housing

Replacing: 54292105

Servicing: 63226701; -17; -19; -22

V. 12, **kW.** 1.4, **O.D.** 78.90, **L.** 93.70, **Rotation** ACR, **Brush gear** w/o, **Magnets** With

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



231215 Yoke

Replacing: 54291750; 54292991; 54296617; 54291749

Servicing: M78R. 26800B/H; -1B/F; 26802b; 26803A/D; -4A/E; 26808a; 63226800; -1; -3; -4; -5; -12; -14; -20; -23

V. 12, **kW.** 1.4, **O.D.** 78.90, **L.** 108.80, **Brush gear** w/o, **Magnets** With

Field Coils



130189 Field Coil

Replacing: 227543; 229362; 54219374; uvb102

Servicing: C40, C40A, C40T. 22700L; -R; -3K; -3M; -4L; -4Q; -5F; -5L; -15E; -15K; -18h; -18j; 22719; 22719h; -j

V. 12, **Amp.** 22, **H.** 119.35, **Brush gear** w/o



130191 Field Coil

Replacing: 251089; -875; 54250820; 54252143; -5; 60250098; teb140

Servicing: M35G. 25038; 25038E; -H; -59A; -59F; 25079; 25079A; -J; 25083; 25083A; -H; -5A; -5B; -8A; -8J; -105A

V. 12, **kW.** 0.8, **H.** 88.90, **Brush gear** w/o



130194 Field Coil

Replacing: 271826; 272219; teb134

Servicing: M45G. 26132; 26132A; -F; -H; -J; -R; -3K; -3R; -43A; -43H; -43J; -43Q; -63A; -63D; -63F; -66A; -66D;

V. 12, **kW.** 2.1, **H.** 119.25, **Brush gear** w/o



130196 Field Coil

Replacing: 272394; 54263486; 54266044; 60600054; teb104; -32

Servicing: M45G. 26125F; -33A; -33J; -33K; -33R; -46A; -46F; -46H; -46N; -47A; -47H; -47J; -47M; -48A; -48F; -4

V. 12, **kW.** 2.1, **H.** 118.00, **Brush gear** w/o



130201 Field Coil

Replacing: 54244973; 54245574; teb129

Servicing: M50. 26273A; -D; -e; -f; -H; -M; -4A; -4D; -4E; -4F; -4H; -4N; -94A; -94B; -94D; -94E; -94F; -94N; -

V. 12, **kW.** 2.8, **H.** 126.00, **Brush gear** w/o



130209 Field Coil

Replacing: 54243248; 54257617; teb130

Servicing: M50. 26211A; -L; -M; -T; -U; -34A; -34J; -34K; -91A; -91D; -91E

V. 12, **kW.** 2.8, **H.** 127.70, **Brush gear** w/o

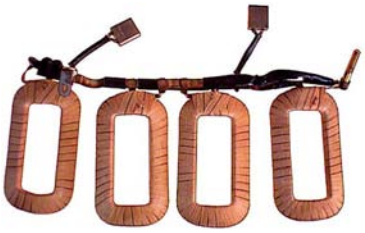


130213 Field Coil

Replacing: 245079; 54245079; 54258818; teb128

Servicing: M50. 26227A; -N; -Q; -R; -V; -34A; -34J; -34K; -46A; -46L; -46M; -65J; -65M; 26277EF; 26282A; -D; -4

V. 12, **kW.** 2.8, **H.** 125.50, **Brush gear** w/o



130882 Field Coil

Replacing: 60600018; teb105

Servicing: M50. 26331E; -8a; -8B; -8d; -8E; -8f; -9A; -9B; -9D; -9H; -9K; -95A; -95B; -95D; -95E; -95H

V. 12, **kW.** 2.8, **H.** 126.00, **Brush gear** w/o



132400 Field Coil

Replacing: 54268462; 54294392; teb144

Servicing: M127. 27501A; -B; -E; -2A; -2D; -3A; -3D; -4A; -4B; -5A; -5D; -6A; -6D; -7A; -7B; -8A; -8B; -8D; -9A

V. 12, **kW.** 2.8, **H.** 127.90, **Brush gear** w/o

Brush set: Cargo lasx364.



132403 Field Coil

Replacing: teb125

Servicing: 3M127. 26346K; -7301A; -7301H; -7304A; -7304J; -7305A; -7305H; -7307A; -7307E; -7309A; -7309E; -7310

V. 24, **H.** 149.40, **Brush gear** w/o



135200 Field Coil

Replacing: 54268395; 54294400; teb142
Servicing: M127. 26925155B; 27500A; -J; -61B; -69A; 63227500; -69
V. 12, **kW.** 2.8, **H.** 127.20, **Brush gear** w/o



135232 Field Coil

Replacing: 60600246; teb102
Servicing: 3M100. 25677; 25677A; -D; 25678; 25678A; -D; 25679; 25679A; -D; 25680; 25680A; -D; 25681; 25681A; -D
V. 12, **kW.** 1.4, **H.** 107.75, **Brush gear** w/o



230945 Field Coil

Replacing: 54241175; 54244772; 54247021; teb121
Servicing: M35J. 25137A; -E; -F; -N; -45A; -45H; -45J; -46A; -46J; -46K; -47A; -47H; -48A; -48K; -49B; -49H; -5
V. 12, **kW.** 0.8, **Brush gear** w/o



234098 Field Coil

Replacing: 54246977; teb126
Servicing: 2M100. 25631A; -D; -4A; -4E; -6B; -7B; -8A; -8E; -9A; -9E; -42A; -42F; -43A; -43J; -44A; -44K; -47A;
V. 12, **kW.** 2.1, **H.** 107.00, **Brush gear** w/o

Accessories

Pkg 10



135122 Pole Shoe Screw

Servicing: M35, M45, M50, M418.
Thread L. 7.40, **L.** 14.65, **Thread** M10
Assort. 803026

Pkg 5



136272 Gasket

Servicing: M45G.
L. 352.90, **Th.** 1.95, **W.** 39.80

Pkg 10



136274 Gasket

Servicing: M50.
L. 75.00, **Th.** 0.55, **W.** 8.00

Pkg 5



136275 Gasket

Servicing: M45G.
L. 289.00, **Th.** 0.50, **W.** 27.80

Pkg 5



136279 Gasket

Servicing: M50.
L. 283.35, **Th.** 0.35, **W.** 38.10

Pkg 5



136322 Insulator

Servicing: 2M113.
Insulator 5

Pkg 5



136949 Insulator

Servicing: M50.
Insulator 5

Pkg 5



136950 Insulator

Servicing: M50.
Insulator 5

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



137494 Insulator

Servicing: M50.
Insulator 5

Pkg 5



137495 Insulator

Servicing: 2M113. 27432
Insulator 5

C.E. Brackets



130860 C.E. Bracket / Brush Gear

Replacing: 54243579; 54244774; 54245752; 54247402; 54261786; 54266922
Servicing: M35J. 25147A; -H; -8A; -8K; -9B; -9H; -50A; -50E; -98A; -238A; -238E; -239A; -239F; -345A

w/ springs and brushes. Brush set: Cargo lasx364.



136118 C.E. Bracket

Replacing: 54250082
Servicing: M45G. 26132; 26132J; -R; 26133; 26133A; -J; -K; -R; 26146; 26146A; -F; -H; -N; 26147; 26147A; -H; -J

Brush set: Cargo lasx15-164. Brush spring: Cargo 132209.



136868 D.E. Bracket

Servicing: M45G, 2M113. 26259; -321



137049 C.E. Bracket

Replacing: 54257605
Servicing: M50. 26211A; -L; -M; -T

w/o brushes and springs. Brush set: Cargo lasx364. Brush spring: Cargo 132209.



137050 C.E. Bracket

Replacing: 54255957
Servicing: M45G. 26208A; -E; -15A; -15F; -15H; -33A; -33J; -33K; -33M; -56A; -56E; -56H; -64A; -64F; -64H; -64K

w/o brushes and springs. Brush set: Cargo lasx15-164. Brush spring: Cargo 132209.



137719 C.E. Bracket

Replacing: 54242829; 54244980; 54246655
Servicing: M50, M127. 26273A; -D; -E; -F; -H; -M; -4A; -4D; -4E; -4F; -4H; -4N; -94A; -94B; -94D; -94E; -94F; -



138346 C.E. Bracket

Replacing: 52265874; 54263852; 54265871; -4; 54290516
Servicing: 2M113. 27400; 27400A; -B; 27401; 27401A; -B; 27409; 27409A; -B; 27411; 27411A; -B; 27412; 27412A; -B
I.D. 108.00



138347 C.E. Bracket

Replacing: 54265875
Servicing: 2M113. 27403; 27403A; 27414; 27414A; 27470; -4; 63227408; -70; -74; -83; -84



230629 C.E. Bracket

Replacing: 54293513
Servicing: M79. 26601; -9; -14; -19; -22; -27; -67; -78; -79; -80; -81; -86; -89; -95; -7004; -7006; -7013; -70
I.D. 74.50



230630 C.E. Bracket

Replacing: 54291612

Servicing: M78R. 26701; -19; -800; -801; -803; -804; -814; -820; -823; -824; -834; -836; -837; -838; -842; -845



230631 C.E. Bracket

Replacing: 54292110

Servicing: M78R. 26717; -22; -812; -843; -849; 63226717; -22; -812; -843; -849; -950

D.E. Brackets



135764 D.E. Bracket

Replacing: 54249109; 54264664; 85541475

Servicing: M50. 26338D; -F; -9A; -9B; -9D; -9H; -79A; -79F; 63227500; -69



136863 D.E. Bracket

Replacing: 54293052; -3; 54266603; 54242076

Servicing: M45. 26264; -412; -7409; -7432; -7459; -7469; -7470; -7474; 63227408; -9; -70; -74; -83; -84



136864 D.E. Bracket

Replacing: 54265072; 54266596

Servicing: M45G, 2M113. 26198; -281; 26295A; -B; -D; -E; -F; -M; -8A; -8B; -8D; -8E; -8F; -8J; -358A; -358B; -3



136866 D.E. Bracket

Servicing: M50, M127.



136867 D.E. Bracket

Servicing: 26288; -7420



136870 D.E. Bracket

Servicing: M45G, 2M113. 26153; -66; -286; -7465



136871 D.E. Bracket

Replacing: 54266597

Servicing: M45G, 2M113. 26283; -375; -422; -7417; -7435; 63227416; -7; -78; -86; -91



136872 D.E. Bracket

Replacing: 139033; 136872

Servicing: M45G, 2M113. 26371



136875 D.E. Bracket

Replacing: 54264889

Servicing: M50, M127. 26349D; -H; -416A; -416D

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



136876 D.E. Bracket

Replacing: 54269202

Servicing: M50, M127. 63227512



136877 D.E. Bracket

Replacing: 54242188; 54265251

Servicing: M50, M127. 26265J; -M; 63227554



136878 D.E. Bracket

Replacing: 54265121; 85541483; 135766

Servicing: M50, M127. 26274A; -D; -345A; -345B; -345D; -345J; -366A; -366F; -404A; -404D; -410A; -410B; 6322751



136879 D.E. Bracket

Replacing: 54265377

Servicing: M50, M127. 63227575



138351 D.E. Bracket

Replacing: 54265243; 54293977; 85541456; -72; 61240176

Servicing: M50, M127. 63227541; -7; -65; -68; -90; -98



138352 D.E. Bracket

Replacing: 54266295

Servicing: M50, M127.



138407 D.E. Bracket

Replacing: 54265338

Servicing: M127.



138434 D.E. Bracket

Replacing: 54293976; 85541453; 54244390

Servicing: M127-2.8 kW. 27518A; 63227502; -18; -70; -74; -85; -88; -92; -96



138525 D.E. Bracket

Replacing: 54293261

Servicing: 63226805; -20; -38



138543 D.E. Bracket

Replacing: 54291471; 54294236

Servicing: M79. 26587; -600; -601; -678; 63226601; -78; -79; -89; -7006; -7013; -7014; -7017



138594 D.E. Bracket

Replacing: 54293403

Servicing: M79. 26660; -90; -93; -94; 63226693; -4; -7034; -7035



139032 D.E. Bracket

Replacing: 85541336; -465; -468; 54292157

Servicing: M127. 1100460; -502; -503; -1051; -1052; -1053; -1054; -1055; -1056; -1057; -5119; -5201; -5526; -55



139034 D.E. Bracket

Replacing: 54259136
Servicing: M45G. 26154; -200; 26200A; 26220



230813 D.E. Bracket

Replacing: 54265258; 85541540
Servicing: M127. 63227533; -601



231006 D.E. Bracket

Replacing: 54293629
Servicing: M79. 26667; -7022; -7043; -7047; 63226667; -7043; -7051



231318 D.E. Bracket

Replacing: 54293820
Servicing: M78R. 26717; -22; -812; -843; 63226717; -22; -812; -843



231477 D.E. Bracket

Replacing: 54291714
Servicing: M78R. 26801; 63226801



231823 D.E. Bracket

Replacing: 54294389; 83221721
Servicing: E70R. 63223431; -530



233875 D.E. Bracket

Replacing: 54265362
Servicing: M45G, 2M113. 26400; -7431



233876 D.E. Bracket

Replacing: 54266594
Servicing: 2M113. 27410; -3; -23; -63



233877 D.E. Bracket

Replacing: 54266599
Servicing: 2M113. 27419; -76; 63227419



233878 D.E. Bracket

Replacing: 54266339
Servicing: 2M113. 27446; -68; -69



233879 D.E. Bracket

Replacing: 54266642
Servicing: 2M113. 27430; -40

I.M. Brackets



138348 I.M. Bracket

Replacing: 54263768
Servicing: 27400; 27400A; -B; 27401; 27401A; -B; 27402; 27402A; -B; 27409; 27409A; -B; 27410; 27410A; 27411; 2

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



138349 I.M. Bracket

Replacing: 54258129; 60600029

Servicing: 26236A; -K; -L; -8A; -8L; -8M; -8Q; -48A; -48L; -48M; -59A; -59K; -59L; -59N; -68A; -68H; -68J; -68



138350 I.M. Bracket

Replacing: 54249079; -83; 54261382; 60600019

Servicing: 26273H; -M; -4H; -4N; -94F; -94N; -95F; -95M; -97F; -97J; -98F; -98J; -305J; -305N; -312J; -312N; -

Solenoids



130484 Solenoid

Replacing: 76790; -805; -830; -842; -848; -849; -863; -866; -868; -870; -873; -883; -887; -893; -898; -903; -95

Servicing: M35J. 25137A; -E; -F; -N; -45A; -45H; -45J; -46A; -46J; -46K; -53A; -53H; 25156; 25156A; -H; -J; -R;

V. 12, **B+** M6, **Coil bolt** M6

Cap: Cargo 130953.



130811 Solenoid

Replacing: 2114m-4700y; 2114n-1750; 2114n-4700; 2114n-47004; 9-82150052-0; 9-82150071-0; toj101; 23343-10600; 2

Servicing: S114-131; -52; -55; S114-156A; S114-91; S12-19; S12-19K

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 134619. Groundes base.



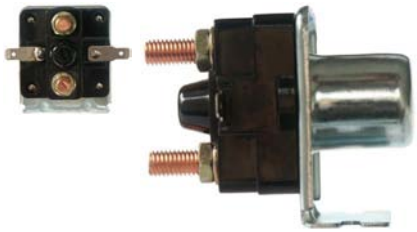
130814 Solenoid

Replacing: toj400; 0221-23-786; 0578-23-764; 053400-1040; -102; -260; 053400-2251; -340; -440; -880; 053400-333

Servicing: 028000-1850; -975; -976; -2001; -2150; -2151; -2240; -2241; -2260; -2261; -2262; -2263; -2360; -236

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 134627.



130853 Solenoid

Replacing: 76711; -70; -71; -77; -89; -95; -98; -99; -858; -914; 77055; -126; srb335; 2848611; 76497; -986; 263

V. 12, **B+** M8, **Coil bolt** M8



130855 Solenoid

Replacing: 76755; -63; -86; -96; -800; -803; -815; -820; -823; -824; -826; -827; -837; -850; -855; -885; -891;

Servicing: M45G. 25601A; -B; -3A; -3F; -4A; -4D; -15A; -15E; -19A; -19B; -20A; -20D; -21A; -21E; -26A; -26D; -2

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131274.



130856 Solenoid

Replacing: 76958; srb333

V. 12, **B+** M8, **Coil bolt** M8



130872 Solenoid

Replacing: 76411; -5; -7; -25; -43; -45; -49; -53; -60; -64; -68; -69; -70; -71; -85; -86; -715; -722; -766; -7

V. 12, **B+** M8, **Coil bolt** M8

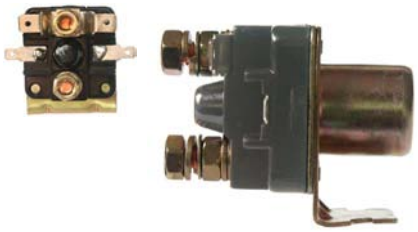


130951 Solenoid

Replacing: 2848209; 130951

V. 12, **B+** M8, **Coil bolt** M8

Insulated return.



130952 Solenoid

V. 24, **B+** M8
Insulated return.



131084 Solenoid

Replacing: toj401; 053400-0150; 053400-1810; -1; 053400-2160; -551; -557; 053400-3340; 28150-12030; -1; 28150-2
Servicing: 028000-1973; -2000; -3710; -4042; -4270; -4330; -4331; -4332; -4490; -4690; -4691; -4700; -4750; -4
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131374.



131115 Solenoid

Replacing: 7980336; 9986109; 63633901; -2; -25; -33; 79036685; 85540111; -211; ie39aaa; zm-656; -7; tob811
Servicing: 63216727; -31; -33; -38; -40; -41; -47; -48; -63; -7225; -7226; -21630
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 131329. Moving contact: Cargo 132248.



131121 Solenoid

Replacing: 76985; -97; 77054; -115; -163; tob122; -3; -5; -37; -65; tpb123; -37; 76997F; 76901
Servicing: M50. 26312D; -H; -J; -N; -Q; -8A; -8F; -36A; -36F; -36H; -36Q; -36R; -55A; -55B; -55D; -55J; -56A; -
V. 12, **B+** M10, **Coil bolt** M6
Cap: Cargo 131276.



131144 Solenoid

Replacing: 2114-37001; 2114-47001; 2114-77004; 2114-87003; -8; 2130-37003; 2130-47001; toj104; 23343-h5000; -1;
Servicing: S114-147; -60; S114-160B; -D; -F; -G; -1B; -1E; -1F; -2D; S114-163; S114-163B; -E; S114-164; -208;
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133269. Moving contact: Cargo 133270.



131208 Solenoid

Replacing: 583159; 60111; 606916; -9; 618220; 680952; -5; 760111; 777265; 77265; 077265
Servicing: 6083B; -C; -D; -99C; 6099CD; 6099D; -127C; -180B; -232A; -233A
V. 12, **B+** M8, **Coil bolt** M8



131247 Solenoid

Replacing: 76926; 77040; tob183; zm-611; 263005
Servicing: M50. 26349A; -B; -D; -H; -416A; -416D; -416E; -434A; -434B
V. 12, **B+** M8, **Coil bolt** M6
Cap: Cargo 131275.



131248 Solenoid

Replacing: 76740; -53; -56; -81; -825; -833; -834; -835; -836; -854; -862; -864; -865; -869; -881; -900; -910;
Servicing: M50. 26211A; -L; -M; -T; -U; -27A; -27Q; -27R; -27V; -34A; -34J; -34K; -46A; -46L; -46M; -65J; -65M;
V. 12, **B+** M8, **Coil bolt** M6
Cap: Cargo 131275.



131252 Solenoid

Replacing: 76458; -74; -90; -98; -538; -712; -727; -794; -808; tob100; -51; -52; -53; -54; 76478; -540; -748; -
Servicing: M45G. 25593A; -B; -4A; 26133; 26133A; -J; -K; -R; -45A; -45F; -45H; -45N; -46A; -46F; -46H; -46N; -4
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131264.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



131255 Solenoid

Replacing: 76882; -6; 77033; tob160; -81; tpb101

Servicing: M35J. 25204; 25204A; -L; -5A; -5L; -6A; -6T; -8A; -8E; -40A; -49A; -49F; 25250; 25250A; -J; -70A; -7

V. 12, **B+** M8, **Coil bolt** M6

Cap: Cargo 130867, old type. Cap: Cargo 131078, new type.



131785 Solenoid

Replacing: 76994; 77036; -140; -147; -149; tob182; tpb117; -20; -21; zm-616

Servicing: 2M113, M45G. 24534; -6390; 26390A; -B; -E; 26394; 26394A; -D; 27430; 27430A; -B; 27440; 27440A; -B;

V. 12, **B+** M10, **Coil bolt** M8

Cap: Cargo 132270.



131786 Solenoid

Replacing: 76888; -906; -925; -940; -983; 77011; -21; -128; -169; tob119; -28; -31; tpb103; -31; zm-614

Servicing: 2M113, M45G. 26327; 26327A; -H; 26335; 26335A; 26348; 26348A; -D; 26362; 26362A; -E; 26364; 26364A;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131015.



131787 Solenoid

Replacing: 76875; -6; -7; -8; -9; -80; -84; -919; -922; -923; -924; -929; -931; -933; -935; -939; -945; -963; -

Servicing: M100. 25372; 25372A; 25374; 25374A; 25380; 25380A; 25382; 25382A; 25410; 25410A; 25629; 25629A; -E;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 130868.



131788 Solenoid

Replacing: 76904; -5; 77109; tob114; -99

Servicing: M50. 26316A; -D; -E; -L; -M; 26328; 26329A; -B; -D; -K; -L; -41A; -41B; -41D; -41J; -430A; -430D; -4

V. 12, **B+** M8, **Coil bolt** M6

Cap: Cargo 133367.



131789 Solenoid

Replacing: 76937; tob118; tpb100

Servicing: M50. 26363A; -J; -82A; -82B; -429A; -429B; -435A; -435B

V. 12, **B+** M8, **Coil bolt** M6



131799 Solenoid

Replacing: 2114n-2750; 2114n-7700y; 2114n-7750; toj102; 23343-21000; -5; -6; 23343-e6800

Servicing: 2114n-2750; S114-103; S114-108L; -21N; -22N; -26M; S114-139

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 137868. Moving contact: Cargo 135104.



131800 Solenoid

Replacing: 2108-4823; 2114-57001; -504; -604; 2114-87002; -4; 2114-97004; -503; 31204-634-005; toj103; 23343-n3

Servicing: 124450-77010; 160910-77010; 160940-77010; 23300-N3304; S108-85; -6; -91; S114-146; S114-160A; -H; -

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133269. Moving contact: Cargo 133270.



131803 Solenoid

Replacing: 31204-657-006; -15; toj184; 053400-2460; 053400-3190

Servicing: 028000-5430

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 138824.



132269 Solenoid

Replacing: 76804; -16; -21; -52; -95; -96; -99; -908; -961; 77035; -134; -154; -157; -899; tob113; -21; -34; tp

Servicing: M127, M45G, M418, 2M113. 25664A; -B; -6264A; -6264F; -6264H; -6264K; -6266A; -6266F; -6269A; -6269F;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131015.



132404 Solenoid

Replacing: 76936; 77008; tob127

Servicing: M50, M127. 27301A; -H; -K; -4A; -4J; -4L; -5A; -5H; -5K; -7A; -7E; -7H; -12A; -12D; -12F

V. 24, **B+** M10, **Coil bolt** M6

Cap: Cargo 131276.



133052 Solenoid

Replacing: toj214; 0324-24-760; 0324-24-760a; 0342-24-760; 1758-24-736a; fe79-18-x10; m371x02471; m371x16171; -

Servicing: 23300-0C010; -M8111; -N5911; A3T22681; M1T50071; m2t23685; -4281; -5481; -5681; -50171; -50181; -50

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133287.



133187 Solenoid

Replacing: 77031; -91; -93; -94; -180; -186; tob193; -4; tpb144; -7

Servicing: 8M90, 9M90. 25326; 25326A; -E; 25331; 25331A; -D; 25332; 25332A; -E; 25333; 25333A; 25335; 25335A; -

V. 12, **B+** M8, **Coil bolt** M6

Cap: Cargo 131078.



133300 Solenoid

Replacing: 77175; -99; -219; tpb139

Servicing: M79. 26602d; -h; -4e; -4j; -6e; -6h; -7e; -7j; -9f; -9j; -13e; -13h; -14b; -14d; -18a; -18e; -19a; -

V. 12, **B+** M8, **Coil bolt** M6

Cap: Cargo 139085.



133301 Solenoid

Replacing: 77185; -90; -221; -229; -252; tpb142; -3

Servicing: M79. 26600E; -F; -1E; -1F; -5A; -16A; -16B; -20A; -21A; -21B; -26A; -26B; 26627; -8; 26628A; 26695;

V. 12, **B+** M8, **Coil bolt** M6

Cap: Cargo 133200.



133531 Solenoid

Replacing: 76397; 77121; -3; -31; -32; -33; -39; -41; -43; tpb104; -11; -16; -18; -19; 85541320; -2; -5; 287301

Servicing: M127. 27500A; -J; -2A; -2D; -3A; -3D; -4A; -4B; -9A; -9B; -13A; -14A; -14B; -15A; -15E; -16A; -16D;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131015.



133590 Solenoid

Replacing: 77193; -209; -230; -231; tpb152; 31220-79030; 136890

Servicing: M78, M79. 26713; 26713A; -D; 26805; 26805B; -9A; -10A; 26824; -913; 26913A; 26929; 26929A; -B; -31A;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133200.



134455 Solenoid

Replacing: 77165; -98; tpb136

Servicing: M79. 26623; -4; 26624A; -D; 26646; 26646B; -D; 26648; 26648A; -B; 26649; 26649A; -B; 26654; 26654B;

V. 12, **B+** M8, **Coil bolt** M6

Cap: Cargo 139112.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



134456 Solenoid

Replacing: 77170; -96; tpb138; -45
Servicing: M78, M80. 26701; 26701A; -J; 26702; 26702E; -K; 26705; -7; 26707A; -L; 26708; -17; 26717A; 26782; -8
V. 12, **B+** M8, **Coil bolt** M6
Cap: Cargo 131079.



134457 Solenoid

Replacing: 77174; -7; -94; -204; -208; tpb140; -6; 23343-q9000; zm-5619
Servicing: M78, M80. 26715; 26715B; 26800; 26800D; -H; 26801; 26801B; -F; 26802; 26802B; 26803; 26803A; -D; 268
V. 12, **B+** M8, **Coil bolt** M6
Cap: Cargo 134430.



134483 Solenoid

Replacing: 77129; -35; -52; tpb112; -3; -22
Servicing: M127. 27551A; -B; -2A; -2B; 63227533; -601
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 135354.



134695 Solenoid

Replacing: 76917; -62; -82; 77110; -56; -61; tob115; -72; -96; tpb106
Servicing: M45G, M418G, 2M113. 25616; 25616A; -J; 25660; 25660A; -B; 26269; 26269H; -L; 26346; 26346A; -D; -E;
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131015.



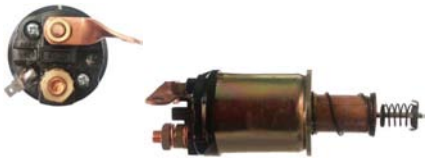
134696 Solenoid

Replacing: 77004; -89; tob175
Servicing: M50. 26398A; -F; -H; -428A; -428B
V. 12, **B+** M8, **Coil bolt** M6
Cap: Cargo 138207.



134886 Solenoid

Replacing: 77136; -8; tpb114; -5
Servicing: M127/2.8. 27506A; -D; -7A; -7B; -11A; -53A; -53D; -54A; -54B; 63227533; -53; -54; -601
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131015.



134888 Solenoid

Replacing: 77122; tpb124; 85541323; zm-615
Servicing: M127/2.8. 27531A; -B; -D; -67A; 63227501; -8; -67; -75; -86; 63327575; -86
V. 12, **B+** M10, **Coil bolt** M8
Cap: Cargo 132270.



134890 Solenoid

Replacing: 77130; -269; tpb110
Servicing: M127/2.8. 27512A; -D; 63227512; -87
V. 12, **B+** M10, **Coil bolt** M8
Cap: Cargo 132270.



134891 Solenoid

Replacing: 77027; tob180
Servicing: M50. 26342D; -K; -L
V. 12, **B+** M10, **Coil bolt** M6
Cap: Cargo 131276.



134899 Solenoid

Replacing: 76989; 77108; tpb127
Servicing: M45G, 3M113. 26387; -7429; 27429A; -B; 27461; 27461A; -B; 27462; 27462A; -B
V. 24, **B+** M8, **Coil bolt** M8
Cap: Cargo 131015.



134974 Solenoid

Replacing: 0-47100-3901; 134974
Servicing: 0-23000-0260; -2
V. 12, **B+** M8, **Coil bolt** M8



136889 Solenoid

Replacing: 77222; -3
Servicing: M78R. 26813; -4; -34; -41; -45; -48; 63226848
V. 12
Cap: Cargo 136892.



137759 Solenoid

Replacing: 77207; -59; -87; tpb157
Servicing: M127. 27510; 27569A; -70A; -70B; -71A; -71B; -72A; -72B; 27573; -4; -6; 63227576
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139159.



230264 Solenoid

Replacing: 26964041
Servicing: 26925155B
V. 12, **B+** M8, **Coil bolt** M8



230266 Solenoid

Replacing: 26964058; -9; 26964059b; 230267; 26964058A
Servicing: 26925193a; -4d
V. 12, **B+** M8, **Coil bolt** M8



230268 Solenoid

Replacing: 26964060a
Servicing: 26925196a
V. 12, **B+** M8, **Coil bolt** M8



230342 Solenoid

Replacing: 26964038d
Servicing: 26925198d
V. 12, **B+** M8, **Coil bolt** M8



233954 Solenoid

Replacing: 76702; srb716
V. 12, **B+** M8, **Coil bolt** M8



233955 Solenoid

Replacing: 76731; srb319
V. 12, **B+** M8, **Coil bolt** M8



233956 Solenoid

Replacing: 76732; srb321
V. 24, **B+** M8, **Coil bolt** M8

234520 Solenoid

Servicing: 26925189d
V. 12



235267 Solenoid

Replacing: 77262
Servicing: M80R. 26945; 63226945
V. 12, **B+** M8, **Coil bolt** 3

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



235382 Solenoid

Replacing: 26964076a
Servicing: 26925159B
V. 12

Solenoid Parts

Solenoid Caps



130867 Solenoid Cap

Replacing: 54244298; 54644278; 60600156; twb104
Servicing: 25208A; -E; 76886; tob160; -81
O.D. 48.35, **No. of leads** 4



130953 Solenoid Cap

Replacing: 60600653; twb103; -15; -20
Servicing: 76790; -805; -830; -842; -848; -849; -870; -883; -893; -898; -954
O.D. 48.00, **No. of leads** 5



131015 Solenoid Cap

Replacing: 54942884; 60600117; -8; -9; -21; -22; -28; -29; -379; -381; -645; -678; twb112; -3; zm-61296; -396
Servicing: 25602A; -B; -3A; -3F; -4A; -4D; -15A; -15E; -20A; -20D; -26A; -26D; -33A; -33E; -7427A; 76803; -95;
O.D. 60.20, **No. of leads** 3
Cap: Cargo 131786.



131078 Solenoid Cap

Replacing: 54646009; twb117; -22
Servicing: 770311; 77093; -4; tob194
O.D. 51.75, **No. of leads** 4



131079 Solenoid Cap

Replacing: twb124
Servicing: 77118; -70; -91; -96; BLMC; tpb138; -45
O.D. 51.75, **No. of leads** 4
Cap: Cargo 134456.



131264 Solenoid Cap

Replacing: 54642436; twb100
Servicing: 76458; -74; -90; -98; -538; -712; -727; -744; -748; -758; -759; -808; -840; tob100; -53
O.D. 58.15, **No. of leads** 4
Solenoid: Cargo 131252.



131274 Solenoid Cap

Replacing: 54644302; -3; -4; 60600120; -5; -650; -759; twb114
Servicing: 25621A; -E; -7A; -7E; -32A; -32F; -64A; -64B; -73A; 76897; -935; -7016; -7017; -7059; -7158; tob162
O.D. 60.45, **No. of leads** 3



131275 Solenoid Cap

Replacing: 54642116; -420; -732; -903; 54643131; -312; 54644187; 54645021; 54646676; -83; 60600906; twb105; -7;
O.D. 60.15, **No. of leads** 4
w/ moving contact.



131276 Solenoid Cap

Replacing: 54644128; 54645590; 54646071; -689; twb108
O.D. 60.30, **No. of leads** 4
w/ moving contact.



132270 Solenoid Cap

Replacing: 60600568; twb111; zm-61596
Servicing: 76994; -7036; -7122; -7123; -7140; -7149; 85541323; tob182
O.D. 59.75, **No. of leads** 3



133200 Solenoid Cap

Replacing: 54647433; 54648102; twb119; -21; 136366; -891
Servicing: 77094; -180; -182; -185; -186; -190; -193; -231; tpb142; -3; -4; -7; -8; -52
O.D. 51.85, **No. of leads** 3



133367 Solenoid Cap

Replacing: twb109
Servicing: 76904; -5; -7109; tob114; -99
O.D. 58.60, **No. of leads** 4



134430 Solenoid Cap

Replacing: twb123
Servicing: 77118; -70; -74; -77; -91; -94; -96; -204; BLMC; tpb138; -40; -45; -46
O.D. 51.75, **No. of leads** 4
Moving contact: Cargo 137059.



134431 Solenoid Cap

Servicing: 77171; TPB132
O.D. 50.00, **No. of leads** 3
Moving contact: Cargo 137059.



135353 Solenoid Cap

Servicing: 77136; -8; tpb114; -5
O.D. 60.70, **No. of leads** 3



135354 Solenoid Cap

Servicing: 77129; -35; tpb112; -22
O.D. 60.70, **No. of leads** 4



136892 Solenoid Cap

Replacing: 54648007; -379
Servicing: 77222
O.D. 52.00, **No. of leads** 3
Moving contact: Cargo 136893.



137057 Solenoid Cap

Servicing: 77252
O.D. 51.40, **No. of leads** 3
Moving contact: Cargo 137058. Fixed contact M6: Cargo 234316. Fixed contact M8: Cargo 234317.



138207 Solenoid Cap

Replacing: twb106
Servicing: 77004; -89; tob175
O.D. 60.00
w/ moving contact.



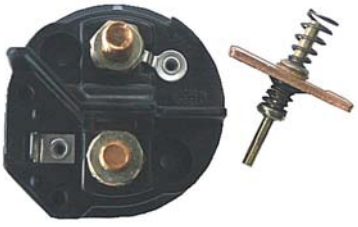
139085 Solenoid Cap

Replacing: twb125
Servicing: 77175; -97; -201; tpb139; -50
O.D. 51.80, **No. of leads** 4, **Bracket type** Crimp
Fixed contact M6: Cargo 234316. Fixed contact M8: Cargo 234317.



139112 Solenoid Cap

Servicing: 77165; -98; tpb136
O.D. 51.70, **No. of leads** 3, **Bracket type** Crimp
Fixed contact M6: Cargo 234316. Fixed contact M8: Cargo 234317.



139159 Solenoid Cap

Replacing: 54648338; twt200
Servicing: 77207; tpb157
O.D. 60.00, **No. of leads** 4

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5

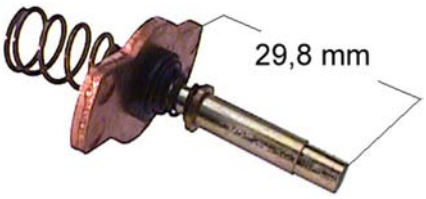


139177 Solenoid Link

Replacing: 54642959; 54645844
Servicing: 26211A; -L; -M; -T; -U; -27R; -27V; -46A; -46L; -46M; -65J; -65M; -73A; -73D; -73E; -73F; -73H; -73
L. 54.40, **W.** 16.15, **Material** Copper

Moving Contacts

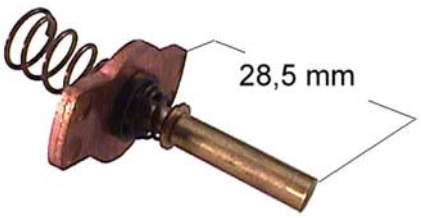
Pkg 5



137058 Moving Contact

Servicing: tob130; -5; -40; -57; -71; -81; -84
L. 32.70, **Th.** 2.45, **W.** 12.00/18.60, **Shaft** 32.40, **Material** Copper

Pkg 5



137059 Moving Contact

Replacing: 54647861; 136893
Servicing: 77171; -7; -92; -94; -204; TPB132; -40; -46
L. 32.70, **Th.** 3.00, **W.** 12.00/18.60, **Shaft** 31.55, **Material** Copper

Pkg 10



231839 Moving Contact

L. 32.00, **Th.** 2.50, **W.** 12.20, **Shaft** 30.00, **Material** Copper

Pkg 30



231840 Moving Contact

L. 32.10, **Th.** 2.40, **W.** 12.30, **Shaft** 32.20

Pkg 5

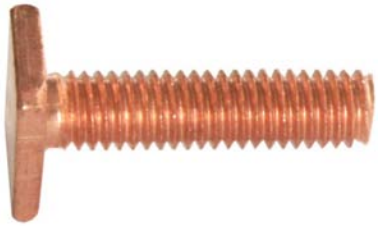


235014 Moving Contact

L. 38.00, **Th.** 2.55, **W.** 16.10, **Shaft** 45.55, **Material** Steel
Silver plated.

Fixed Contacts

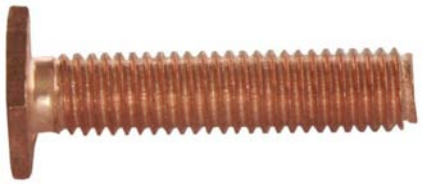
Pkg 5



234316 Fixed Contact

O.D. 10.00/12.90/2,30, **Thread L.** 22.60, **L.** 26.75, **Thread** M6

Pkg 5

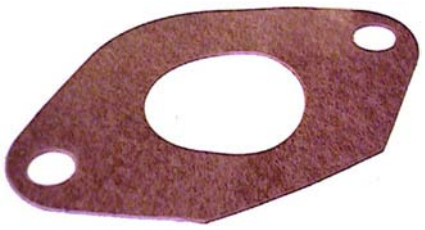


234317 Fixed Contact

O.D. 9.90/13.00/2.30, **Thread L.** 32.80, **L.** 37.00, **Thread** M8

Gaskets

Pkg 5



136276 Gasket

L. 80.65, **Th.** 0.30, **W.** 54.00
M50.

Pkg 5



136277 Gasket

Th. 0.30
M50.

Terminals



130868 Solenoid Cap

Replacing: 60600127; -62; twb110
Servicing: 76878; -80; -923; -970; -7092; -7179; tob116
O.D. 60.30, **No. of leads** 4, **Terminals** 0222
Moving contact. Cargo 235014.

Drives



130440 Drive

Replacing: 2114-1560; 2114-4550; 2114n-1150; -550; -560; 2114n-4550; tmj100; -6; 23312-10600; -5; 23312-21000;
Servicing: s114-103; -21; -22; -73; s114-87
O.D. 29.70, **I.D.** 13.00, **L.** 62.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



130441 Drive

Replacing: 31207-657-006; tmj401; 028000-0085; 028300-0611; -30; -700; -800; -801; 028300-1690; 028300-3351; 28
Servicing: 028000-1010; -3; -970; -973; -975; -976; -2001; -3100; -4270; -4440; -4471; -4480; -4491; -5430; -5
O.D. 29.15, **I.D.** 12.50, **L.** 86.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



130442 Drive

Replacing: 5206632; 5213310; -850; tmj402; -10; 028300-0900; -1; 028300-1930; -50; -51; 028300-2240; 028300-335
Servicing: 028000-1620; -2260; -2261; -2262; -2263; -2360; -2660; -2661; -2662; -2664; -2665; -2680; -2681; -2
O.D. 29.15, **I.D.** 12.55, **L.** 82.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



130443 Drive

Replacing: 292124; 60600342; tlb118
Servicing: 26147A; -H; -J; -M; 26148; 26148A; -F; -H; -N; -9H; -9M; -51A; -51F; -51H; -51N; -53A; -53H; -53J;
O.D. 40.00, **I.D.** 14.30, **L.** 106.85,
No. of teeth 10, **Splines** 6, **Rotation** CR,
Drive type Steel



130444 Drive

Replacing: 292130; 60600341; tlb117
Servicing: 26133; -206
O.D. 39.75, **I.D.** 14.25, **L.** 106.50,
No. of teeth 11, **Splines** 6, **Rotation** CR,
Drive type Steel



130445 Drive

Replacing: 54243783; 54246738; -896; 54247187; tmb115; 1.01.0096.0
Servicing: 26211U; -27R; -27V; -65j; -65m; -91E; -305D; -305H; -305J; -305N; -312B; -316A; -316D; -316E; -316L
O.D. 39.85, **I.D.** 17.00, **L.** 70.15,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



130446 Drive

Replacing: 54246725; 54259688; tmb105; 1.01.0067.0
Servicing: 26236A; -K; -8A; -8L; -48A; -48L; 26256; 26256A; -E; -9A; -9K; -64A; -64F; 26271; 26271A; -E; -9A;
O.D. 39.85, **I.D.** 17.00, **L.** 72.85,
No. of teeth 10, **Splines** 3, **Rotation** CR,
Drive type Steel



130447 Drive

Replacing: 54246340; -739; 54247184; tmb116; 1.01.0398.0
Servicing: 26317B; -D; -E; -H; 26355; 26355A; -B; -D; -J; 26356; 26356A; -B; -D; -E; -F; -L; -M; -61A; -61E; -
O.D. 45.70, **I.D.** 17.00, **L.** 70.10,
No. of teeth 13, **Splines** 12, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



130449 Drive

Replacing: 14898-1; 54252212; tlb112; 1.01.0170.0

Servicing: 25079; 25079A; -J; 25083; 25083A; -H; -5A; -5B; -8A; -8J; -105A; -105B; -116A; -116D; -118A; -118J;

O.D. 29.10, **I.D.** 16.00, **L.** 58.00,
No. of teeth 9, **Splines** 4, **Rotation** ACR,
Drive type Steel



130450 Drive

Replacing: 54246724; 54256984; 54259800; tmb104; 1.01.0322.0

Servicing: 26208; 26208A; -E; -11A; -11L

O.D. 39.90, **I.D.** 17.00, **L.** 70.00,
No. of teeth 10, **Splines** 3, **Rotation** CR,
Drive type Steel



130451 Drive

Replacing: 54240795; 54243848; 54246661; 54247188; 54258190; 60600210; tmb101; -43; 1.01.0064.0

Servicing: 26211; 26211M; -T; 26227; 26227A; -Q; 26291; 26291A; -D; 26305; 26305A; -B; -12A; 26321

O.D. 39.90, **I.D.** 17.00, **L.** 70.00,
No. of teeth 10, **Splines** 3, **Rotation** CR,
Drive type Steel



130452 Drive

Replacing: 54247034; -6; 54268141; 54294922; 60600024; tmb120; tnb165; 85541454; -79; -90; 1.01.0155.0; 133364;

Servicing: 26236l; -8M; -8Q; -48M; -56h; -59l; -59N; -60E; -64h; -64K; -71F; -71J; -79f; -79J; -79K; -81F; -81

O.D. 39.90, **I.D.** 17.00, **L.** 73.10,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



130453 Drive

Replacing: 54244938; 54246285; -654; 60600066; tmb100; 1.01.0150.0; tmb142; 26252342

Servicing: 26246M; -73E; -73F; -73H; -73M; -74E; -74F; -74H; -74N; -90B; -94D; -94E; -94F; -94N; -94Q; -95D; -

O.D. 39.90, **I.D.** 17.00, **L.** 73.50,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



130741 Drive

Replacing: tmj204; 0222-24-722; m191t30171; -971; -972; -973; m191t31671; m191t33071; md602052; -679; 23312-e30

Servicing: m191t33071; M2T10171; -271; -471; M3T10071; -2; -372; -1173; -1174; -2572; -5675; -5772; -5775; -90

O.D. 29.15, **I.D.** 12.85, **L.** 60.15,
No. of teeth 9, **Splines** 8, **Rotation** CR,
Drive type Steel

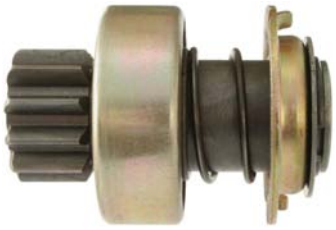


130745 Drive

Replacing: 291559; tlb110

Servicing: 26132; 26132A; -F; -H; -J; -R; 26135; -6; -43; 26143A; -H; -J; -Q; 26172; 26172A; -D; -E; -L

O.D. 39.70, **I.D.** 14.30, **L.** 111.85,
No. of teeth 11, **Splines** 6, **Rotation** CR,
Drive type Steel



130746 Drive

Replacing: 54241966; 54246008; -119; 54247177; tnb140; 130448

Servicing: M35J. 25145a; -B; -H; -J; -6A; -6J; -6K; -56A; -56H; -56J; -56R; -57A; -57J; -57K; -57V; -59A; -59B;

O.D. 29.20, **I.D.** 12.00, **L.** 68.35,
No. of teeth 11, **Splines** 12, **Rotation** CR,
Drive type Steel



130747 Drive

Replacing: 54245568; 54246123; 54247295; 54265549; -68; tnb153; 1.01.0410.0

Servicing: 5M90, M35J. 25204A; -H; -L; -5A; -5J; -5L; -6A; -6J; -6T; -10A; -10D; -49A; -49B; -49F; -50A; -50J;

O.D. 26.70, **I.D.** 12.00, **L.** 68.65,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel
Drive w/ lever: Cargo 134065.



130897 Drive

Replacing: 54243781; 54246662; 60600050; tmb102; 1.01.0286.0
Servicing: M50. 26234K; -336A; -336F; -336H; -336Q; -336R; -337A; -337B; -337D; -337H; -349A; -349B; -349D; -34
O.D. 39.85, **I.D.** 17.00, **L.** 100.00,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



130959 Drive

Replacing: 54261078; tmb134
Servicing: M50. 26386A; -K; -L
O.D. 49.40, **I.D.** 16.75, **L.** 73.50,
No. of teeth 14, **Splines** 12, **Rotation** CR,
Drive type Steel



131035 Drive

Replacing: 54241761; 54244686; 54245201; -341; 54246005; 54247077; -181; tnb137; 1.01.0409.0
Servicing: M35J. 25137A; -E; -F; -N; -65A; -65D; -65E; -65Q; -66A; -66B; -66D; -66F; -67A; -67E; -67F; -67N; -6
O.D. 28.90, **I.D.** 12.00, **L.** 68.50,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



131083 Drive

Replacing: 680589; 54262393; 1.01.0337.0
Servicing: 6236B; -C
O.D. 25.55, **I.D.** 12.10, **L.** 80.65,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



131085 Drive

Replacing: 2114-55004; 2114-65001; 31207-634-005; tmj103; -7; 23312-h5000; 23312-h6900; 1.01.0349.0
Servicing: S108-63; -89; S114-140; -1; -9; S114-156A; S114-160; S114-160A; -B; -D; -e; -F; -G; -H; s114-162; s
O.D. 29.70, **I.D.** 12.50, **L.** 62.00,
No. of teeth 9, **Splines** 5, **Rotation** CR,
Drive type Steel



131086 Drive

Replacing: 2114-65004; 2114-95002; tmj102; 23312-m1500; -1; 1.01.0382.0
Servicing: s114-161; S114-161B; -E; -F
O.D. 28.00, **I.D.** 12.50, **L.** 62.00,
No. of teeth 8, **Splines** 5, **Rotation** CR,
Drive type Steel



131087 Drive

Replacing: tmj210; 8088-24-722; m191t30974; m191t33371; -2; m191t34071; m191t35171; md607283; md608273; 23312-y
Servicing: 23300-U0114; A3T22681; M2T20181A; M2T20281; M3T10672; -1272; -20081; -20181; -20381; -20681; M3T206
O.D. 28.10, **I.D.** 12.75, **L.** 61.55,
No. of teeth 8, **Splines** 8, **Rotation** CR,
Drive type Steel



131110 Drive

Replacing: tmj400; 0290-24-830; md604047; 028300-0851; 028300-1020; -540; -542; 31320-63210; 28011-22010; -20;
Servicing: 028000-1850; -2150; -2151; -2240; -2241; -3500; -3501; -3800; -3830; -4040; -4042; -4050; -4343; -4
O.D. 29.10, **I.D.** 12.55, **L.** 64.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



131192 Drive

Replacing: 54265558; tnb154; 1.01.0500.0
Servicing: 8M90, 9M90. 25326; 25326A; -E; 25331; 25331A; -D; 25332; 25332A; -E; 25333; 25333A; 25335; 25335A; -
O.D. 26.80, **I.D.** 12.05, **L.** 59.50,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel
w/ lever.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



131206 Drive

Replacing: 54246253; 54247106; 54249034; -42; tnb144; 1.01.0413.0

Servicing: 2M100, 3M100. 25638A; -E; -9A; -9E; -48A; -48K; -83A; -83D; -85A; -85E; -87A; -87L; 25698; 25698A; -

O.D. 25.35, **I.D.** 12.00, **L.** 75.65,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



131705 Drive

Replacing: 54247179; 54249035; tnb145; 1.01.0414.0

Servicing: 2M100. 25653; 25653A; -E; 25654; 25654A; -H; 25667; 25667A; -D; 25705; 25705A; -D; 25721; 25721A; -D

O.D. 32.10, **I.D.** 12.00, **L.** 75.50,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel
w/ lever.



131706 Drive

Replacing: 54260159; tnb148; 1.01.0282.0

Servicing: M35J. 25259; 25259A; -D; 25280; 25280A; -B; -F; 25327; 25327A; -D

O.D. 32.00, **I.D.** 12.00, **L.** 68.45,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



131707 Drive

Replacing: 54246252; 54249032; -41; -43; 54262658; 54279043; tnb142; -7; -9; 1.01.0412.0

Servicing: 2M100, 3M100. 25629A; -E; -34A; -34E; 25642; 25642A; -F; 25647; 25647A; -L; -50A; -50E; 25651; 25651

O.D. 29.00, **I.D.** 12.08, **L.** 75.00,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



131708 Drive

Replacing: 54247396; 60600077; tmb124; 1.01.0411.0

Servicing: M45G, 2M113. 26278; 26278H; 26301; 26301H; 27413; 27413A; -D; 27421; 27421A; -B; -63A; -63D; 6322741

O.D. 39.23, **I.D.** 17.00, **L.** 73.20,
No. of teeth 11, **Splines** 12, **Rotation** CR,
Drive type Steel



131709 Drive

Replacing: 54240593; 54245900; 54246733; 60600211; tmb111; 1.01.0063.0

Servicing: M50. 26246a; -l; -73a; -73B; -73D; -74A; -74B; -74d; -94A; -94B; -95a; -95b; -304a; -304b

O.D. 38.95, **I.D.** 17.00, **L.** 73.35,
No. of teeth 10, **Splines** 3, **Rotation** CR,
Drive type Steel



131720 Drive

Replacing: 54245187; 54247155; tnb138

Servicing: M35J. 25180; 25180A; -R; 25207; 25207A; -J

O.D. 25.60, **I.D.** 12.10, **L.** 68.40,
No. of teeth 9, **Splines** 12, **Rotation** ACR,
Drive type Steel



131721 Drive

Replacing: 54245950; 54246251; 54249040; tnb146; 1.01.0587.0

Servicing: 2M100. 25643; 25643A; -J; 25644; 25644A; -K; 25675; 25675A; -D; -88A; -88E; -754A; -7466A; 9516590;

O.D. 26.75, **I.D.** 12.00, **L.** 75.40,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel
w/ lever.



131723 Drive

Replacing: 54240984; tnb133

Servicing: M418G. 25604; 25604A; -D; 25616; 25616A; -J; 25660; 25660A; -B

O.D. 32.00, **I.D.** 12.00, **L.** 75.35,
No. of teeth 10, **Splines** 3, **Rotation** CR,
Drive type Steel



131724 Drive

Replacing: 54251756; tlb106
Servicing: M45G. 26163A; -F; 26373; 26373A
O.D. 46.00, **I.D.** 21.70, **H.** 25.00,
No. of teeth 13, **Splines** 4



131725 Drive

Replacing: 292031; 54256098; -687; tlb100
Servicing: M45G. 26147; 26147A; -H; -J; -M; -8A; -8F; -8H; -8N; -51H; -51N; 26153; 26153A; -H; -J; -N; 26154; 2
O.D. 39.50, **I.D.** 20.25, **H.** 25.55,
No. of teeth 10, **Splines** 4



131726 Drive

Replacing: 292134; 54255513; 54256689; tlb101; 291859; TLB193
Servicing: M45G. 26133; -67; -69; -76; -77; -85; -206
O.D. 39.40, **I.D.** 20.00, **H.** 25.65,
No. of teeth 11, **Splines** 4



131727 Drive

Replacing: 54246663; 54257675; tmb103; 1.01.0506.0
Servicing: M45G. 26233; -86; 26286A; -E; -320A; -320B
O.D. 39.80, **I.D.** 17.05, **L.** 100.30,
No. of teeth 10, **Splines** 3, **Rotation** CR,
Drive type Steel



131728 Drive

Replacing: 54247389; 54268142; tmb121; tnb169; 85541496; -541; 1.01.0486.0
Servicing: M45G. 26233k; -L; -M; -86f; -86H; -86J; -320D; -320J; -335A; -348A; -348D; -7419A; -7419D; -7436A; -
O.D. 39.85, **I.D.** 17.05, **L.** 100.20,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



131729 Drive

Replacing: 54247397; 60600078; tmb125; 85541538; 1.01.0134.0
Servicing: M45G. 26275f; -J; -K; -80f; -80H; -80J; -306e; -306F; -306H; 27412; 27412a; -B; -D; -H; -6a; -6B; -6
O.D. 45.95, **I.D.** 17.05, **L.** 73.35,
No. of teeth 13, **Splines** 12, **Rotation** CR,
Drive type Steel



131730 Drive

Replacing: 54242449; 54246730; 60600081; tmb10; tmb109; 1.01.0508.0
Servicing: M45G. 26275A; -e; -80A; -80B; -80e; -306a; -306d
O.D. 45.95, **I.D.** 17.00, **L.** 73.60,
No. of teeth 13, **Splines** 3, **Rotation** CR,
Drive type Steel



131732 Drive

Replacing: 54242044; 54246729; tmb108; 1.01.0507.0
Servicing: M45G. 26278a; -f; -301a; -301e
O.D. 39.25, **I.D.** 17.00, **L.** 73.00,
No. of teeth 11, **Splines** 3, **Rotation** CR,
Drive type Steel



131733 Drive

Replacing: 54248156; tmb129; 1.01.0487.0
Servicing: M45G. 26371; 26371A; -D; -E; -F; 26400; 26400A; -B; -D; -7431A; -7431B; -7438A; -7451B; -7451D; -745
O.D. 36.80, **I.D.** 17.00, **L.** 73.36,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



131734 Drive

Replacing: 54248959; tmb132

Servicing: M45G. 26346E; -K; 26381; 26381E; -F; -7428A; -7428D; -7428F

O.D. 25.50, **I.D.** 12.10, **L.** 82.50,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



131735 Drive

Replacing: 54247398; 60600080; tmb126; 1.01.0588.0

Servicing: M45G. 26302; 26302E; -H; -33B; 27422; 27422A; 27465; 27465A; -B

O.D. 45.50, **I.D.** 17.00, **L.** 101.05,
No. of teeth 13, **Splines** 12, **Rotation** CR,
Drive type Steel



131736 Drive

Replacing: 54246090; -734; 54258545; 60600209; tmb112; 1.01.0509.0

Servicing: M50. 26234a; -j; -K

O.D. 40.10, **I.D.** 17.00, **L.** 100.50,
No. of teeth 10, **Splines** 3, **Rotation** CR,
Drive type Steel



131737 Drive

Replacing: 54245266; tnb102

Servicing: 3M127. 27301A; -H; -4A; -4J; -9A; -9E; -10A; -10F; -11A; -11E; -13A; -13B; -15A; -15B; -16A; -16E; -

O.D. 39.90, **I.D.** 17.10, **L.** 100.90,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



131738 Drive

Replacing: 54246796; tnb104

Servicing: 3M127. 27305A; -H

O.D. 40.64, **I.D.** 17.00, **L.** 100.95,
No. of teeth 11, **Splines** 12, **Rotation** CR,
Drive type Steel



131739 Drive

Replacing: 54246205; tnb103

Servicing: 3M127. 27307A; -E; -20A; -20B

O.D. 45.80, **I.D.** 17.05, **L.** 100.90,
No. of teeth 12, **Splines** 12, **Rotation** CR,
Drive type Steel



131783 Drive

Replacing: 2114-45004; -7; 2114-75001; 2114n-3550; 8-94208296-1; tmj101; 23312-n3300; 23312-u6000; 23312-y0700;

Servicing: 23300-N3304; S114-126M; -70b; -70E; S114-171; S114-172A; -d; -E; S114-173; s114-173b; -e; S114-174;

O.D. 28.70, **I.D.** 12.55, **L.** 62.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



131985 Drive

Replacing: 2120-25001; -2; 2120-45002; 2120-55002; 2120-75002; 2120-85001; 2120-9500; 2130-25001; 2250-25002; 2

Servicing: 23300-31W02; -7508; -T3402; S12-19C; -K; S12-34; S12-38A; S12-63; S12-63C; S12-68; S12-68B; -D; -3-

O.D. 36.00, **I.D.** 14.00, **L.** 70.00,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



131986 Drive

Replacing: 2114-15550; 2114-25100; 2114-45504; tmj121; 23312-73y00; 23312-d0100; 1.01.0499.0; 2114-65016; 12419

Servicing: 114351-77011; 119226-77010; 23300-01E00; -18C03; -73Y01; -D0200; -V5202; -W0403; S114-319; -20; -48

O.D. 28.00, **I.D.** 12.40, **L.** 60.00,
No. of teeth 8, **Splines** 10, **Rotation** CR,
Drive type Steel

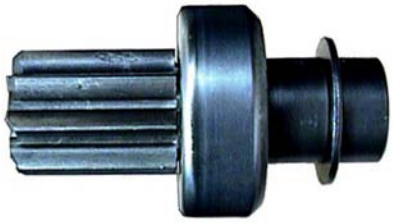


131987 Drive

Replacing: 2114-25004; -504; tmj165; 23312-m8100; -1; 1.01.0518.0; 2114-22540

Servicing: s114-317; S114-317B; S114-318; -45; -419; -424; s114-435b; s114-556

O.D. 28.00, **I.D.** 12.60, **L.** 65.00,
No. of teeth 9, **Splines** 5, **Rotation** CR,
Drive type Steel



131988 Drive

Replacing: 2114-15004; -100; -504; tmj140; 23312-73c00; 23312-m8000; 1.01.0517.0

Servicing: 23300-74Y00; -KA512; -M8200; -M8202; S114-315; -6; -62; -64; -418; -419; -424; -435; S114-435A; -B;

O.D. 28.00, **I.D.** 12.45, **L.** 80.00,
No. of teeth 8, **Splines** 10, **Rotation** ACR,
Drive type Steel



132001 Drive/Clutch Assy

Replacing: 2114-25550; 2114-35506; 2114-55506; 2114-85008; 2114-95553; 2214-25550; 8-94115568-0; tmj171; 23312-

Servicing: 129137-7010; 23300-05P01; -N5903; 8941333381; 8941433304; 8941514091; 8943447022; 8944681501; -9496

O.D. 28.60, **L.** 87.00, **No. of teeth** 9,
Rotation CR, **Drive type** Steel



132007 Drive

Replacing: tmj217; 3648-24-709; m191t33171

Servicing: M3T26081; -281; -381

O.D. 27.45, **I.D.** 12.80, **L.** 87.15,
No. of teeth 8, **Splines** 8, **Rotation** ACR,
Drive type Steel



132008 Drive

Replacing: tmj225; n221-24-209; -709; m191t36371; 1.01.0472.0

Servicing: M3T36081; -481

O.D. 34.25, **I.D.** 12.45, **L.** 73.45,
No. of teeth 11, **Splines** 8, **Rotation** ACR,
Drive type Steel



132284 Drive

Replacing: 54267736; tmb145; 1.01.0503.0

Servicing: 8M90, 9M90. 25349; 25349A; 25350; 25350A; 25351; 25351A

O.D. 25.00, **I.D.** 12.00, **L.** 78.25,
No. of teeth 9, **Splines** 12, **Rotation** ACR,
Drive type Steel



132285 Drive

Replacing: 54247393; 54268139; 54290585; tmb148; -70; 85541462; -6; 1.01.0480.0

Servicing: M127/2.8. 26925155B; 27500A; -J; -4A; -4B; -6A; -6D; -7A; -7B; -11A; -16A; -16D; -28A; -28D; -53A; -

O.D. 39.40, **I.D.** 17.15, **L.** 70.40,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



132286 Drive

Replacing: 26255652; 54267317; tmb150; 1.01.0449.0

Servicing: 2M113. 27425; 27425B; 27460; 27460A; -B; 63227460

O.D. 35.90, **I.D.** 14.30, **L.** 73.25,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



132287 Drive

Replacing: 54269958; tmb156; 1.01.0515.0

Servicing: 9M90. 25372; 25372A; 25374; 25374A; 25380; 25380A; 25382; 25382A

O.D. 25.20, **I.D.** 12.00, **L.** 90.55,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



132288 Drive

Replacing: 54291147; tmb162; 1.01.0504.0

Servicing: 9M90. 25375; 25375A; -B; 25377; 25377A; -B; 25387; 25387A; -B; -411A

O.D. 34.00, **I.D.** 12.15, **L.** 80.90,
No. of teeth 11, **Splines** 12, **Rotation** ACR, **Drive type** Steel
w/ lever.



132289 Drive

Replacing: 54243419; 54247152; tnb135; 1.01.0493.0

Servicing: M35T. 25219; 25219A; -K; 25373; 25373A

O.D. 29.15, **I.D.** 12.15, **L.** 68.35,
No. of teeth 9, **Splines** 12, **Rotation** ACR, **Drive type** Steel



132290 Drive

Replacing: 54265559; tnb155; 1.01.0501.0

Servicing: 9M90. 25337; 25337A; -B; 25365; 25365A

O.D. 25.20, **I.D.** 12.15, **L.** 60.30,
No. of teeth 9, **Splines** 12, **Rotation** CR, **Drive type** Steel



132291 Drive

Replacing: 54247959; 54262100; 54263923; tnb151; 1.01.0523.0

Servicing: 3M100. 25696; 25696A; -L; 25697; 25697A; -L; -724A; -724E

O.D. 25.00, **I.D.** 12.00, **L.** 75.00,
No. of teeth 9, **Splines** 12, **Rotation** CR, **Drive type** Steel



132311 Drive

Replacing: 2114-15003; -503; tmj105; 23312-c0600; 1.01.0429.0

Servicing: 23300-C0600; S108-77; S114-139; -84; -269; -305; -340; -350; -351; -363

O.D. 30.00, **I.D.** 12.55, **L.** 76.50,
No. of teeth 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



132453 Drive

Replacing: 2130-5500; 2130-7500; 2250-45003; 2250-85004; tmj120; 23312-c6800; 23312-j2003; 1.01.0580.0; 1.01.08

Servicing: 23300-61504; S13-14; -5; S25-131; S25-131A; S25-155; S25-155C; -D; S25-75; S25-75A

O.D. 40.00, **I.D.** 14.00, **L.** 69.60,
No. of teeth 11, **Splines** 12, **Rotation** CR, **Drive type** Steel



132586 Drive

Replacing: 54291911; tmb167; 85541488; -544; 1.01.0823.0

Servicing: M78. 26600; 26600E; -F; 26601; 26601E; -F; 26605; 26605A; 26609; 26609F; -J; 26613; 26613E; -H; 2661

O.D. 26.35, **I.D.** 12.20, **L.** 48.15,
No. of teeth 10, **Splines** 9, **Rotation** CR, **Drive type** Steel



132587 Drive

Replacing: 54291912; tmb168

Servicing: M78. 26602; 26602D; -H; 26614; 26614B; -D; 26618; 26618A; -E; -22A; -22D; 63226614; -9; -22; -7026;

O.D. 25.00, **I.D.** 12.15, **L.** 47.80,
No. of teeth 9, **Splines** 9, **Rotation** CR, **Drive type** Steel



132588 Drive

Replacing: 54292395; tnb174

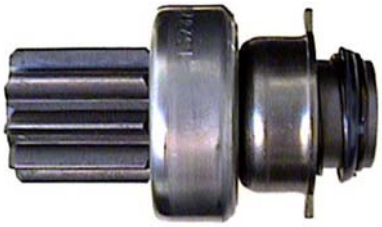
Servicing: M79. 26604; 26604E; -J; 26606; 26606E; -H; 26647; 26647A; -E; 63226647; -7029

O.D. 25.40, **I.D.** 12.00, **L.** 55.50,
No. of teeth 9, **Splines** 3, **Rotation** ACR, **Drive type** Steel



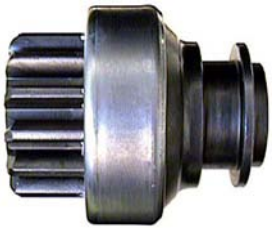
132782 Drive

Replacing: 4469693; 54267004; -478; tnb159; 1.01.0502.0
Servicing: 9M90. 25339; 25339A; -J; -K; 25355; 25355A; -D; -F
O.D. 29.00, **I.D.** 12.00, **L.** 60.20,
No. of teeth 11, **Splines** 12, **Rotation** CR,
Drive type Steel



132823 Drive

Replacing: 2114-15008; 2114-75003; -503; 31207-671-015; tmj461; 1.01.0516.0
Servicing: S114-272
O.D. 29.70, **I.D.** 12.45, **L.** 78.50,
No. of teeth 9, **Splines** 5, **Rotation** CR,
Drive type Steel



132852 Drive

Replacing: 54268140; tnb167; 85541459; 1.01.0541.0
Servicing: 3M127. 27501A; -B; -E; -31A; -31B; -31D; 27577; 63227501; -67
O.D. 46.00, **I.D.** 16.80, **L.** 70.00,
No. of teeth 13, **Splines** 12, **Drive type** Steel



132965 Drive

Replacing: 54246728; 54258309; tmb107; 1.01.0582.0
Servicing: M45G. 26125F; -215a; -215f
O.D. 39.25, **I.D.** 17.00, **L.** 70.35,
No. of teeth 11, **Splines** 3, **Rotation** CR,
Drive type Steel



133295 Drive

Replacing: 54292179; 54295252; tnb176; 1.01.0960.0
Servicing: M79. 26607e; -j; 26692; -6; 63226607; -92; -96; -7037; -7044; -7045
O.D. 26.70, **I.D.** 12.00, **L.** 61.00,
No. of teeth 10, **Splines** 9, **Rotation** ACR,
Drive type Steel



133296 Drive

Replacing: 54291543; 54292929; 54295255; tmb174; -7; 1.01.0822.0
Servicing: M79. 26702E; -K; 26717; 26717A; -811A; -812A; -812D; 63226717; -22; -812; -843; -7487
O.D. 26.65, **I.D.** 12.00, **L.** 57.00,
No. of teeth 10, **Splines** 9, **Rotation** ACR,
Drive type Steel



133297 Drive

Replacing: 54290840; tmb171; 1.01.0821.0
Servicing: M78. 26707a; -L; 26708; 26713a; -d; -6b; -804a; -804e; -809a; -810a; 26816; -23; -24; 63226707; -21;
O.D. 26.55, **I.D.** 12.00, **L.** 44.00,
No. of teeth 10, **Splines** 9, **Rotation** CR,
Drive type Steel



133298 Drive

Replacing: 54292698; tmb179
Servicing: M79. 26648a; -b; -55a; -57a; -57E; 26686; 63226648; -55; -86; -7011; -7012; -7049
O.D. 29.25, **I.D.** 12.00, **L.** 60.80,
No. of teeth 9, **Splines** 3, **Rotation** CR,
Drive type Steel



133299 Drive

Replacing: 54291353; tnb175
Servicing: M79. 26701a; -j; 63226701; -19
O.D. 25.00, **I.D.** 11.80, **L.** 78.00,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



133591 Drive

Replacing: 54291735; tmb182; 85541389; 1.01.0820.0

Servicing: M79. 26913; 26913A; 26921; -9; 26929A; -B; 26930; 26930A; 26931; 26931A; -B; -5B; 63226921; -35; -36

O.D. 26.55, **I.D.** 12.00, **L.** 50.55,
No. of teeth 10, **Splines** 9, **Rotation** CR,
Drive type Steel



133592 Drive

Replacing: 54290304; -804; tmb172; 85541375; 1812

Servicing: M78R. 26800D; -H; 26903; 26903B; -D; 26907; 26907B; 26909; 26909B; -D; 26923; 26923A; -D; 63226721;

O.D. 29.00, **I.D.** 12.10, **L.** 50.70,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



133682 Drive

Replacing: 54268565; -656; 54295140; tnb172; 1.01.0557.0

Servicing: M127. 27512a; -d; 63227512; -87

O.D. 40.70, **I.D.** 16.90, **L.** 100.00,
No. of teeth 11, **Splines** 12, **Rotation** CR,
Drive type Steel



133683 Drive

Replacing: 54290474; tnb173; 85541470; 1.01.0591.0

Servicing: M127. 27564a; -f; 27576; 63227564; -76

O.D. 31.60, **I.D.** 14.20, **L.** 100.00,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



133979 Drive

Replacing: 54247762; 54267762; tnb164

Servicing: 2M113. 27455A

O.D. 26.40, **I.D.** 12.00, **L.** 60.90,
No. of teeth 10, **Splines** 12, **Rotation** ACR, **Drive type** Steel



134065 Drive

Replacing: 54245568; 54246123; 54247295; 54265549; -68; tnb153; 1.01.0410.1

Servicing: M35J. 25204; -5; -6; -10; -49; -50; -70; -71; -72

O.D. 26.65, **I.D.** 12.00, **L.** 68.55,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel
Drive w/ lever: Cargo 130747.



134427 Drive

Replacing: 54246741; 60600051; tmb118; 1.01.0485.0

Servicing: M50. 26284A; -E; -342A; -342B; -342D; -342K; -342L

O.D. 40.60, **I.D.** 17.00, **L.** 100.00,
No. of teeth 11, **Splines** 12, **Rotation** CR,
Drive type Steel



134962 Drive

Replacing: 54290867

Servicing: M78R. 26805; 63226820; -6; -38; -39

O.D. 25.25, **I.D.** 12.00, **L.** 44.75,
No. of teeth 9, **Splines** 3, **Rotation** CR,
Drive type Steel



135100 Drive

Replacing: 54242576; 54292576; 54295254; tmb189

Servicing: M79. 26633; -59; -60; -62; -63; 63226693; -4; -7034; -7035

O.D. 25.15, **I.D.** 12.00, **L.** 71.85,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel



135180 Drive

Replacing: 54292742; tmb180
Servicing: M79. 26649; 26649A; -B; 26656; 26656A; -E; 63226649; -7050
O.D. 26.60, **I.D.** 12.00, **L.** 61.00,
No. of teeth 10, **Splines** 9, **Rotation** CR,
Drive type Steel



135355 Drive

Replacing: 54240294; -5; 54242330; 1.01.0280.0
Servicing: M35G. 25079A; -J; -83H; -85A; -85B; -88A; -88J; -105A; -105B; -116A; -116D; -118A; -118J; -138A; -13
O.D. 29.50, **I.D.** 16.00, **L.** 57.45,
No. of teeth 10, **Drive type** Steel



135711 Drive

Replacing: 54292464; tmb196; 85541303; -503; 23312-90j00; 1.01.0863.0
Servicing: M79. 26667; 63226667; -7043
O.D. 28.20, **I.D.** 12.00, **L.** 48.30,
No. of teeth 8, **Splines** 9, **Rotation** CR,
Drive type Steel



136261 Drive

Replacing: 54293451; tmb197; 23312-93j00; 1.01.1062.0
Servicing: M78R. 26813; -34; 63226834; -45
O.D. 27.70, **I.D.** 12.15, **L.** 65.10,
No. of teeth 8, **Splines** 9, **Rotation** CR,
Drive type Steel



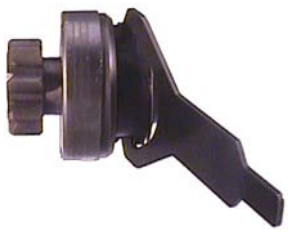
136338 Drive

Replacing: 54248606; tmb130; 1.01.0594.0
Servicing: M45G. 26372a; -b; -85a; -85b; -90a; -90b; -90e; -7430a; -7430b
O.D. 35.00, **I.D.** 14.15, **L.** 73.10,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



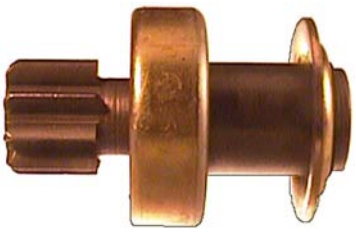
136770 Drive

Replacing: 54291022; tmb173; 85541381
Servicing: M78R. 26801; 26801B; -F; 63226801
O.D. 25.40, **I.D.** 12.00, **L.** 56.00,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



136962 Drive

Replacing: 54293287; tmb194; tnb194
Servicing: M78. 26715; 26715B; 63226715
O.D. 27.55, **I.D.** 12.00, **L.** 43.65,
No. of teeth 8, **Splines** 9, **Rotation** CR,
Drive type Steel



137326 Drive

Replacing: 54242521; 60600329; tnb134
Servicing: M45G. 26266; 26266A; -F; 26267; 26267A; -F
O.D. 25.35, **I.D.** 12.00, **L.** 75.30,
No. of teeth 9, **Splines** 3, **Rotation** CR,
Drive type Steel



138299 Drive

Replacing: 54290638; tmb183
Servicing: M80. 26808a; -914a; -914f; -920a; -920e; -922b; -927a; -928a; -932A; 63226904; -20; -27; -32
O.D. 39.30, **I.D.** 11.85, **L.** 50.25,
No. of teeth 10, **Splines** 9, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



138546 Drive

Replacing: 54293455
Servicing: 63226814
O.D. 27.70, **I.D.** 12.00, **L.** 50.45,
No. of teeth 8, **Splines** 9, **Rotation** CR,
Drive type Steel
w/ lever.



139635 Drive

Replacing: 54291763; tmb184
Servicing: M79. 26631; 26631A; -D; 63226631
O.D. 29.00, **I.D.** 11.40, **L.** 48.85,
No. of teeth 9, **Splines** 3, **Rotation** ACR,
Drive type Steel



139710 Drive

Replacing: f5bu11350aa; 54294813; 1.01.0975.0; 54294817
Servicing: 63223538; -93538
O.D. 54.30, **I.D.** 12.00, **L.** 50.70,
No. of teeth 23, **Splines** 10, **Rotation** CR,
Drive type Steel



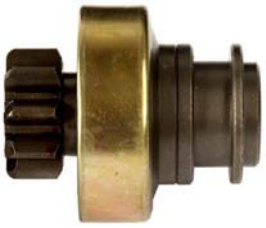
230265 Drive

Replacing: 26255474
Servicing: 26925188D; -9D; -94D; -98D; -200A
O.D. 39.40, **I.D.** 14.35, **L.** 73.45,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



230269 Drive

Replacing: 26255553
Servicing: 26925193A
O.D. 39.30, **I.D.** 14.20, **L.** 73.50,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



230273 Drive

Replacing: 26253074
O.D. 36.35, **I.D.** 14.30, **L.** 69,97,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



232480 Drive

Replacing: 54242438; 54246727; tmb106
Servicing: M45G. 26207; -70; 26270A; -J; 26300; 26300A; -E; -F; -J; -7410a; -7418a
O.D. 39.20, **I.D.** 17.00, **L.** 73.70,
No. of teeth 11, **Splines** 3, **Drive type** Steel



233533 Drive

Replacing: tmb133; 54247508; 54260599; 60600380; 1.01.0695.0
Servicing: M45G. 26268J; -L; -9H; -9L; -383A; -383D; -396A; -396B; -7405A; -7405B; -7406A; -7447A
O.D. 24.45, **I.D.** 12.15, **L.** 79.00,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



233621 Drive

Replacing: 54292857; tmb190
Servicing: M78R. 26803; 26803A; -D; 26919
O.D. 31.80, **I.D.** 12.15, **L.** 50.80,
No. of teeth 10, **Splines** 9, **Rotation** CR,
Drive type Steel



233844 Drive

Replacing: 54267142; tnb158
Servicing: 8M90. 25340A; -D
O.D. 28.00, **L.** 60.00, **No. of teeth** 8,
Splines 12



234219 Drive

Replacing: tmb175; 54291195
Servicing: M80R. 26908a; -b
O.D. 25.35, **I.D.** 12.00, **L.** 50.20,
No. of teeth 9, **Splines** 3, **Rotation** CR,
Drive type Steel



234515 Drive

Replacing: 54294074

O.D. 26.90, **I.D.** 11.70, **L.** 48.10,
No. of teeth 10, **Splines** 3, **Rotation** ACR,
Drive type Steel



235257 Drive

Replacing: 54294957

Servicing: M80R. 26943; -5

L. 50.0, **No. of teeth** 10, **Splines** 3



235381 Drive

Replacing: 26254680; 26254680a

O.D. 28.00, **L.** 52.00, **No. of teeth** 8



235427 Drive

Replacing: 54295253

Servicing: 26688; -7041; 63226688; -7041

L. 48.00, **No. of teeth** 10, **Splines** 9



235747 Drive

Replacing: 26256287

Servicing: 26925159B

O.D. 28.50, **I.D.** 12.00, **L.** 51.90,
No. of teeth 8, **Splines** 12, **Rotation** CR,
Drive type Steel

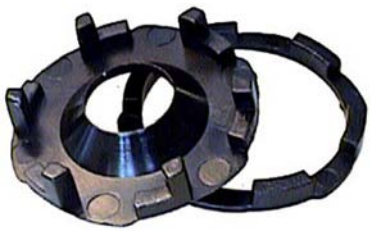
Drive Parts

Pkg 25



134819 DP Ring

Servicing: 54291911; tmb167



134820 DP Rring

Servicing: 54291543; -2929; tmb174; -7



135191 DD Washer

Planet Gears



133619 Planet Gear

Replacing: 60600963; 85541451

Servicing: M78R. 26803; -911; -912; -913; -914; -917; -918; -920; -922; -924; -929; 63226912; -35; -42; -48



135712 Planet Gear

Replacing: 54294189; 85540821; -2

Servicing: 63111000; 63223430; -1; -2; -3; -4; -5; -6; -8; -94; -530; -531; -532; -533; -639; -93435

L. 127.25, **Splines** 10



138520 Planet Gear

Replacing: 60600923; 85541377; 54293154; 60601032

Servicing: M78R. 26800; 63226800

L. 115.10, **Splines** 9



138547 Planet Gear

Replacing: 60600947; 85541372

Servicing: 63226801

L. 120.25, **Splines** 9

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Gear Parts

Stationary



133618 Plastic Gear

Replacing: 54293830

Servicing: M78R. 26803; -911; -912; -913; -914; -917; -918

O.D. 61.70, **I.D.** 51.85, **H.** 27.70,
No. of teeth 40



135121 Outer Gear

Replacing: 54293375; -575

Servicing: M78R.

O.D. 61.00, **I.D.** 48.00, **H.** 27.60,
No. of teeth 39

Pkg 5



232604 Outer Gear

Replacing: 54294580

Servicing: 63111005

O.D. 61.20, **I.D.** 47.25, **H.** 25.25,
No. of teeth 37

Gear Wheels



138886 Gear Ring

Servicing: M78.

O.D. 57.73, **I.D.** 46.72, **H.** 9.90,
No. of teeth 37

Rubbers

Pkg 5



138887 Rubber Ring

Servicing: M78, M80.

O.D. 46.65, **I.D.** 35.30, **L.** 6.90, **Material** Rubber

Levers



131777 Shift Lever

Replacing: 54245342; 54247153

Servicing: 25137; -45; -46; -56; -57; -59

L. 89.45



131778 Shift Lever

Replacing: 60600031; zm-72996

Servicing:

L. 97.50



133894 Lever

L. 111.00, **Lever** 1

Pkg 5



134444 Lever

Replacing: 54267369; 60600861; -315

Servicing: M127.

L. 110.45, **Lever** 5

Pkg 5



134445 Lever

Replacing: 54267384; 60600648

Servicing: M50. 26233A; -J; -K; -M; -6A; -6K; -6L; -8A; -8L; -8M; -8Q; -48A; -48L; -48M; -56A; -56E; -56H; -59A

L. 110.00, **Lever** 5

Pkg 5



136592 Lever

Replacing: 54268543; 60600862
Servicing: M127. 27554A
L. 110.15, **Lever** 5



138353 Lever

Replacing: 54267376
Servicing: M45G, 2M113. 26925188D; -9D; -94D; -98D; -200A
L. 106.00, **Lever** 1



138354 Lever

Replacing: 54267380
Servicing: M45G, 2M113.
L. 111.45, **Lever** 1

Lever Parts

Pkg 5

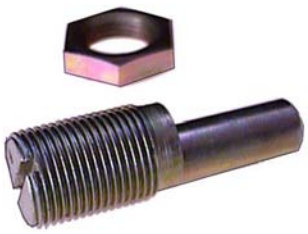


133893 Pivot Pin

Servicing: M50.

Assort. 803026

Pkg 5



134446 Pivot Pin

Replacing: 54290573; 60600861; -315
Servicing: M127. 27301A; -H; -4A; -4J; -5A; -5H; -7A; -7E; -9A; -9E; -10A; -10F; -11A; -11E; -12A; -12D; -18A;

Assort. 803026

Pkg 5



138888 Lever

Servicing: M78, M80.
L. 32.70, **Lever** 5

Pkg 10



234870 Lever

Servicing: 8M90. 25326; -38; -55
Lever 10, **Material** Plastic

Pkg 5



235192 Insulation

Servicing: M79. 26587; -600; -601; -605; -614; -616; -618; -619; -622; -660; -667; -678; -679; -681; -689; -690

Clutches



130744 Clutch

Replacing: 291540; tlb182
Servicing: M45G. 26132A; -F; -H; -J; -R; -3A; -3J; -3K; -3R; 26143; 26143A; -H; -J; -Q; -5A; -5F; -5H; -5N; -6A
O.D. 57.00/60.00, **I.D.** 43.70/45.20, **Th.** 1.00/1.05
Assort. 803026

Brush Gears



131169 Brush Gear

Replacing: 54245374
Servicing: M50. 26273A; -D; -E; -F; -H; -M; -4A; -4D; -4E; -4F; -4H; -4N; -94A; -94B; -94D; -94E; -94F; -94N; -
Brush With, **Brush gear** 1,
Spring terminal With



134094 Brush Gear

Servicing: 2M100, 3M100.
Brush w/o, **Brush gear** 1, **Spring terminal** w/o
Brush set: Cargo lasx43-442. Brush set: Cargo lasx44-45p.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



134452 Brush Gear

Replacing: 54244775

Servicing: M50. 26338A; -B; -D; -F; -9A; -9B; -9D; -9H; -95A; -95B; -95D; -95E; -7500A; 63227500; -69

Brush w/o, **Brush gear** 1, **Spring terminal** w/o

Brush set: Cargo lasx314. Brush spring: Cargo: 132209.

Pkg 5



134476 Brush Gear

Servicing: M35J, 5M90, 8M90, 9M90.

Brush w/o, **Brush gear** 5, **Spring terminal** w/o

Brush set: Cargo lasx37-38-39. Brush spring: Cargo 134040.



134852 Brush Gear

Replacing: 54291804; 54293699; -877; -878; -879; 60600960

Servicing: M79. 26695; 63226601; -4; -6; -7; -9; -14; -19; -22; -27; -31; -47; -67; -78; -79; -80; -81; -86; -8

Brush w/o, **Brush gear** 1, **Spring terminal** w/o

Brush set: Cargo 140896, 140897, 140898. Brush spring: Cargo 135119.



134853 Brush Gear

Replacing: 54290789; -90; 54291125; 54292603

Servicing: M78R. 63226701; -17; -19; -22; -800; -801; -803; -804; -814; -820; -823; -824; -834; -836; -837; -83

Brush w/o, **Brush gear** 1, **Spring terminal** w/o

Brush set: Cargo 140511. Brush spring: Cargo 135119.



134854 Brush Gear

Replacing: 54290689

Servicing: M80R. 63226717; -22; -908; -912; -920; -921; -923; -935; -936; -937; -939; -942; -948; -949

Brush w/o, **Brush gear** 1, **Spring terminal** w/o

Brush set: Cargo 140509. Brush spring: Cargo 135119.



135565 Brush Gear

Replacing: 54294440; -4; 83220461; 83222681; 83226683; 83227226; -131; -60

Servicing: 63111000; -1; -5; -7; -8; -9; -16; -17; -23; -27; -36; -3002; -3003; -3004; -93001; 63223430; -1; -

Brush w/o, **Brush gear** 1, **Spring terminal** w/o

Brush set: Cargo jsx33-35 4. Spring: Cargo 138639.



135822 Brush Gear

Replacing: 54266043

Servicing: 2M113, 3M113. 26925188D; -9D; -94D; -98D; -200A; 27403; 27403A; 27405; 27405A; -B; 27406; 27406A; 27

Brush With, **Brush gear** 1,
Spring terminal With

Neg. brushes. Brush set: Cargo lasx15-164.

Brush gears parts

Pkg 2



134956 Insulator

Servicing: M79.

Insulator 2

Pkg 10



134957 Clip

Servicing: M78, M79, M80.

Assort. 803026

Pkg 10



135066 Gasket

Servicing: M35J.
Th. 0.40
Assort. 803026



135120 Brush Box Insulator

Servicing: M79. 26604; -6; -7; -31; -33; -46; -47; -59

Anti CW rotation.



135497 Insulation Kit

Servicing: M50.

Pkg 10



137825 Brush Clip

Servicing: M79.
Mount. hole I.D. 6.00, **L.** 14.35, **Th.** 1.55, **W.** 9.35

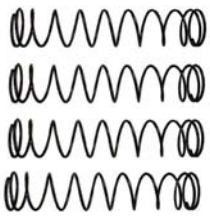
Brush Springs

Pkg 10



132209 Brush Spring

Replacing: 54259524
Servicing: M45G, M50, M127. 26132A; -F; -H; -J; -R; -3A; -3J; -3K; -3R; -43A; -43H; -43J; -43Q; -45A; -45F; -45
L. 28.70
Assort. 803026; 803041



134040 Brush Spring

Servicing: 8M90, 9M90, M35J. 25350A
O.D. 8.60, **L.** 41.70
Assort. 803026

Brush Sets



140334 Brush Set

Replacing: 2114-33122; 2114-33122/43133; 2114-4313; 2114-4313/8312; 2114-43133; 2114-5312/5313; 2114-5312/8313;
Servicing: 119631-77010; 119865-77011; 124450-77010; 124770-77010; 124772-77020; 128170-77010; 23300-01E00; -1
V. 12, **L.** 18.58, **Th.** 6.88, **H.** 10.88,
No. of brushes 4
Assort. 803023; 803038



140336 Brush Set

Replacing: 2114-19003; 2114-19003/29003; 2114-2315; 2114-2315/6313; 2114-29003; 2114-3315; 2114-3315/6313; 2114
Servicing: 23300-V5202; s108-116; -34B; S108-61; S108-61A; -B; -C; -D; -E; -F; -G; S108-63; -6; -89; S114-141;
V. 12, **L.** 16.23, **Th.** 6.84, **H.** 10.82,
No. of brushes 4
Assort. 803023; 803038

Pkg 5



140337 Brush Set

Replacing: 2250-2323; 2250-2323/4322; 2250-4322; 5-81119001-0; jhtsx-29; taj114; 23331-z9000; -1; 2250-1324; ja
Servicing: 120320-77311; 23300-T3402; 461205-00821; 5811001292; S13-15; -61; S24-64B; -E; S25-100A; S25-103; S
V. 12, **L.** 19.18, **Th.** 8.80, **H.** 19.19,
No. of brushes 4
Assort. 803023



140338 Brush Set

Replacing: 2114-1316; 2114-23123/33123; 2114-33123; 2114-59002; 2114-59002/6315; 2114-59002/69002; 2114-6315; 2
Servicing: 105891-77010; 114351-77020; 114362-77020; 119256-77010; 120370-77011; 120380-77010; 124976-77011; 1
V. 12, **L.** 16.00, **Th.** 6.77, **H.** 13.81,
No. of brushes 4
Assort. 803023; 803038

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5

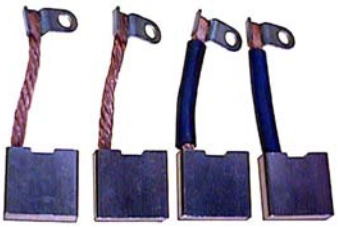


140339 Brush Set

Replacing: 2120-7312; 2120-7312/9311; 2120-9311; jhtsx-33; taj103; -11; 23379-37500; -2; -3; 23379-g7000; 23380

Servicing: 23300-31W02; -7508; S12-19C; -41A; S12-59; -63; S12-63C; S12-68; S12-68B; -D; -77A; S12-78; -9; -82

V. 12, **L.** 22.25, **Th.** 7.85, **H.** 14.22,
No. of brushes 4
Assort. 803023



140340 Brush Set

Replacing: 1811-1631; 2108-2305; jhtsx-8m; taj102; 23379-09900; 23380-10600; 2108-4305; 2108-6305; 2108-2306; 2

Servicing: S108-56; S114-150; -1; S114-156A; S114-91

V. 12, **L.** 14.45, **Th.** 5.95, **H.** 15.95,
No. of brushes 4
Assort. 803023



140341 Brush Set

Replacing: 2114-6312; jhtsx-9m; taj105; 23379-19900; 23379-23380; 23380-19900; 2114-2313; jasx32-33

Servicing: S114-152

V. 12, **L.** 16.60, **Th.** 6.80, **H.** 15.70,
No. of brushes 2
Assort. 803023



140347 Brush Set

Replacing: jmtsx-36; taj203; 0222-24-753; 0426-24-753; m648c10371; m648c13770; md602468; -70; md607389; jasx69-

Servicing: 028000-5400; -1; M1T50071; M2T10271; -23181; -23685; -51082; -51805; -52071; -52081; -52082; -53085

V. 12, **L.** 17.44, **Th.** 6.56, **H.** 11.69,
No. of brushes 4
Assort. 803027; 803038



140349 Brush Set

Replacing: jmtsx-49; jmtsx-49n; taj209; e301-24-753; e501-24-753; m648c14870; -1; -970; m648c15070; m648c16970;

Servicing: 23300-01E12; -3; -3E11; -H610; -18V10; -41B10; -41B15; -41B71; -53J10; -53J15; -60S10; -73C10; -73Y

V. 12, **L.** 17.50, **Th.** 6.85, **H.** 9.85,
No. of brushes 4
Assort. 803027; 803038

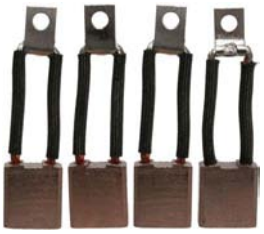


140357 Brush Set

Replacing: jndsx-13; taj400; 0208-23-756; 28531-0300; 89206-8602; -702; 28142-10011

Servicing: 028000-1850; -2150; -2151; -3005; -3830; -5200; -5290; -5740; -7121

V. 12, **L.** 18.99, **Th.** 6.88, **H.** 11.91,
No. of brushes 4
Assort. 803029

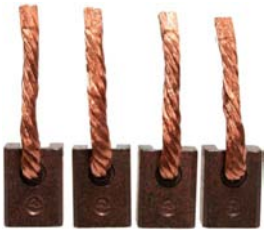


140358 Brush Set

Replacing: 2814c-46013; jndsx-18; taj406; 028530-0341; -90; 28530-0330; -90; 28142-46013; -20; 28142-47021

Servicing: 028000-2880; -3530; -3570; -4850; -5160

V. 12, **L.** 22.00, **Th.** 7.90, **H.** 19.70,
No. of brushes 4
Assort. 803029



140360 Brush Set

Replacing: jndsx-25; taj401; 028531-0380; 28142-25011; jasx63

Servicing: 028000-2260; -1; -2; -3; -360; -361; -362; -363; -364; -660; -661; -662; -664; -665; -680; -681; -6

V. 12, **L.** 15.90, **Th.** 6.87, **H.** 11.93,
No. of brushes 4
Assort. 803029



140361 Brush Set

Replacing: 2814a-77090; jndsx-31; taj407; 028099-3560; -70; 028531-0632; 28140-77090; 028531-5651; -0; jasx88

Servicing: 028000-4800; -5000; -5300; -5301; -5510; -5511; -5520; -5530; -5531; -5532; -5541; -5542; -5543; -5

V. 12, **L.** 21.00, **Th.** 7.93, **H.** 24.86,
No. of brushes 4
w/ plaque: Cargo 141223.
Assort. 803029; 803038

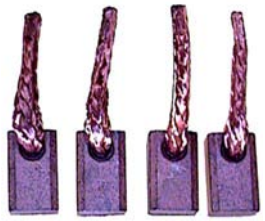


140362 Brush Set

Replacing: 31208-657-040; -300; jndsx-32; taj403; -10; 028099-2620; -70; -770; 028531-0450; -946; 28140-34030;

Servicing: 028000-3641; -2; -4000; -4020; -4200; -4243; -4250; -4323; -4340; -4343; -4450; -4510; -4730; -4940

V. 12, **L.** 14.52, **Th.** 6.92, **H.** 15.78,
No. of brushes 4
Assort. 803029; 803038

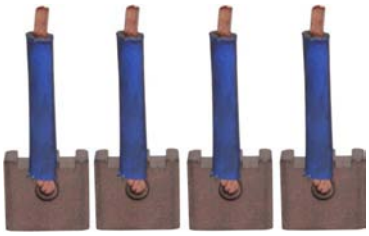


140363 Brush Set

Replacing: 31209-590-004; 31210-pa0-006; 31231-pa0-060; jndsx-34; taj409; 028099-3510; 028531-0680; 028531-3510

Servicing: 028000-5330; -1; -2; -3; -4; -5; -6380; -6381; -6382; -6383; -6384; -6385; -6391; -6392; -6393; -63

V. 12, **L.** 15.60, **Th.** 6.37, **H.** 9.93,
No. of brushes 4
Assort. 803029; 803038



140391 Brush Set

Replacing: jmtsx-9; taj200; 0603-23-643; e6457044m; 23380-21010; a648c10171; m648c10671; jasx29

Servicing: ME-Y1R; -3R

V. 12, **L.** 14.50, **Th.** 6.80, **H.** 16.35,
No. of brushes 4



140396 Brush Set

Replacing: jndsx-33; taj405; 028099-3430; 028531-0720; -30; jasx89

Servicing: 028000-4540; -5900; -5910; -5911; -5912; -6000; -6001; -6030; -6300; -6361; -6362; -6620; -6700; -6

V. 12, **L.** 13.55, **Th.** 6.80, **H.** 15.95,
No. of brushes 4
Assort. 803029



140480 Brush Set

Replacing: 60600953

Servicing: M79.

V. 12, **L.** 11.93, **Th.** 6.92, **H.** 13.55,
No. of brushes 4
Complete w/ bus bar: cargo 140897.
Assort. 803024



140481 Brush Set

Replacing: 60600911; -61; 140479

Servicing: M79.

V. 12, **L.** 12.00, **Th.** 6.90, **H.** 13.65,
No. of brushes 4
Complete w/ bus bar: cargo 140898.
Assort. 803024



140509 Brush Set

Replacing: 60600920; tab132

Servicing: M80R.

V. 12, **L.** 6.75, **Th.** 9.40, **H.** 19.85,
No. of brushes 4
Assort. 803024



140510 Brush Set

Replacing: 60600936; tab133

Servicing: M78R. 26701A; -J; -7A; -7L; -13A; -13D; -15B; -16B

V. 12, **L.** 9.50, **Th.** 6.75, **H.** 13.75,
No. of brushes 4



140511 Brush Set

Replacing: 60600946; tab134

Servicing: M78R. 26800D; -H; -1B; -1F; -2B; -3A; -3D; -4A; -4E; -8A; -9A; -10A; -13A; -14A

V. 12, **L.** 9.55, **Th.** 6.75, **H.** 13.80,
No. of brushes 4
Assort. 803024



140512 Brush Set

Replacing: 60600944; tab135

Servicing: M78R. 26702E; -K; -17A

V. 12, **L.** 9.50, **Th.** 6.75, **H.** 13.75,
No. of brushes 4

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



140513 Brush Set

Replacing: 60600919; tab138
Servicing: M80R.
V. 12, **L.** 9.55, **Th.** 6.75, **H.** 19.90,
No. of brushes 4
Anti CW rotation.
Assort. 803024



140603 Brush Set

Replacing: 60600626; -88; tab106
Servicing: M45G. 26400D; 26925188D; -9D; -94D; -98D; -200A; 27100A; -400A; -400B; -402A; -402B; -404A; -404B; -
V. 12, **L.** 22.40, **Th.** 7.90, **H.** 18.95,
No. of brushes 4



140716 Brush Set

Replacing: 60600317; tab112
Servicing: M127. 27301A; -H; -K; -5A; -5H; -5K; -7A; -7E; -7H; -9A; -9E; -11A; -11E; -11H; -12A; -12D; -12F; -1
V. 24, **L.** 24.35, **Th.** 8.95, **H.** 19.95,
No. of brushes 4



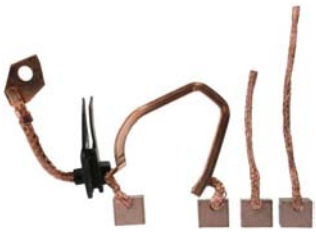
140765 Brush Set

Servicing: M80R. 26903B; -D; -5A; -5D; -7B; -8A; -8B; -9B; -9D; -10D; -10F; -11B; -11D; -12E; -13A; -14A; -14F;
V. 12, **L.** 9.45, **Th.** 6.81, **H.** 19.85,
No. of brushes 4



140896 Brush Set

Replacing: tab131
Servicing: M79. 26614B; -D; -9A; -9D; -22A; -22D
V. 12, **L.** 12.00, **Th.** 6.90, **H.** 13.50,
No. of brushes 4
Complete w/ bus bar: cargo 140481.



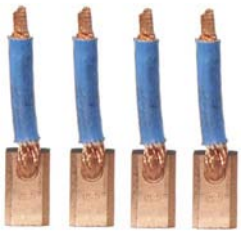
140897 Brush Set

Replacing: tab136
Servicing: M79. 26604E; -J; -6E; -6H; -7E; -7J; -31A; -31D; -33A; -33B; -45E; -46B; -46D; -47A; -47E; -59B; -59
V. 12, **L.** 11.98, **Th.** 6.93, **H.** 13.54,
No. of brushes 4



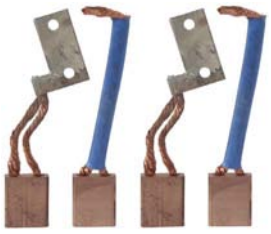
140898 Brush Set

Replacing: tab137
Servicing: M79. 26600E; -F; -1E; -1F; -2D; -2H; -5A; -9F; -9J; -13E; -13H; -16A; -16B; -18A; -18E; -20A; -21A;
V. 12, **L.** 12.00, **Th.** 6.90, **H.** 13.50,
No. of brushes 4
Complete w/ bus bar: cargo 140481.



141234 Brush Set

Servicing: 26925159a; -B
V. 12, **L.** 16.90, **Th.** 7.40, **H.** 9.90,
No. of brushes 4



lasx15-164 Brush Set

Replacing: 271735; tab125
Servicing: M45G, M113. 26132; 26346E
V. 12, **L.** 22.50, **Th.** 7.90, **H.** 18.90,
No. of brushes 4
Assort. 803024



lasx15-274 Brush Set

Replacing: lasx15-274
Servicing: M45G, M113.
V. 12, **L.** 22.50, **Th.** 7.95, **H.** 19.05,
No. of brushes 4
Assort. 803024

lasx17-62/1 Brush Set

Replacing: lasx17-62/1

Servicing: M35G. 25038; 25038E; -H; -59A; -59F; -79A; -79J; -83A; -83H; -85A; -85B; -88A; -88J; -105A; -105B; -

V. 12, **L.** 13.60, **Th.** 6.25, **H.** 15.85,
No. of brushes 4



lasx2-34 Brush Set

Replacing: lasx2-34

Servicing: M418G. 25521F; -33A; -33E; -55A; -55F; -78A; -78B; -90A; -90B; -93A; -93B; -94A; -97A; -97B; -98A; -

V. 12, **L.** 13.75, **Th.** 8.80, **H.** 19.15,
No. of brushes 4
Assort. 803024

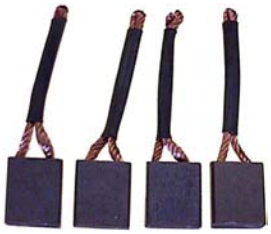


lasx22 Brush Set

Replacing: 255659; tab127

Servicing: M418G.

V. 12, **L.** 14.10, **Th.** 8.60, **H.** 19.00,
No. of brushes 2
Assort. 803024



lasx314 Brush Set

Replacing: 54258592; tab119; 85541476

Servicing: M50. 26211A; -L; -M; -T; -U; -91A; -91D; -91E; -338A; -338B; -338D; -338F; -339A; -339B; -339D; -339

V. 12, **L.** 22.55, **Th.** 7.90, **H.** 18.95,
No. of brushes 4
Assort. 803024



lasx364 Brush Set

Replacing: 54259517; tab118; 85541333

Servicing: M50, M127. 63227570; -92; -606

V. 12, **L.** 24.25, **Th.** 8.95, **H.** 19.90,
No. of brushes 4
Assort. 803024



lasx37-38-39 Brush Set

Replacing: 54242194

Servicing: M35J, -K. 25137A; -E; -F; -N; -45A; -45H; -45J; -46A; -46J; -46K; -47A; -47H; -48A; -48K; -49B; -49H

V. 12, **L.** 16.00, **Th.** 4.20/8.50, **H.** 11.60,
No. of brushes 4
Assort. 803024



lasx40-412p Brush Set

Replacing: 54244848; 60600056; tab117

Servicing: M35J, -K.

V. 12, **L.** 16.00, **Th.** 4.00/8.70, **H.** 11.60,
No. of brushes 4
Assort. 803024



lasx424 Brush Set

Replacing: 54244979

Servicing: M50, M127. 26227A; -Q; -R; -V; -34A; -34J; -34K; -46A; -46L; -46M; -65J; -65M; -73A; -73D; -73E; -73

V. 12, **L.** 24.60, **Th.** 8.95, **H.** 19.90,
No. of brushes 4



lasx43-442 Brush Set

Replacing: 54246258; tab124

Servicing: M100. 25629A; -E; -34A; -34E; -38A; -38E; -42A; -42F; -43A; -43J; -44A; -44K; -47A; -47L; -48A; -48K

V. 12, **L.** 17.65, **Th.** 4.50/10.05, **H.** 13.15,
No. of brushes 4
Assort. 803024

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



lasx44-452p Brush Set

Replacing: tab116; 60600196

Servicing: M100. 25631A; -D; -6B; -7B; -59A; -59D; -68A; -68D; -69A; -70A; -70B; -76A; -76B; -77A; -77D; -78A;

V. 12, **L.** 18.00, **Th.** 5.50/9.30, **H.** 13.35, **No. of brushes** 4
Assort. 803024

lasx5-62/1p Brush Set

Replacing: 251108; tab128

Servicing: M35G.

V. 12, **L.** 13.90, **Th.** 6.40, **H.** 15.85, **No. of brushes** 4

lasx73-412/1p Brush Set

Replacing: 60600767; tab103

Servicing: M35J. 25326A; -E; -31A; -31D; -32A; -32E; -33A; -35A; -35B; -36A; -37A; -37B; -38A; -38B; -39A; -39J

V. 12, **L.** 16.00, **Th.** 4.00/8.80, **H.** 11.55, **No. of brushes** 4
Assort. 803024

Bushings

Pkg 10



140052 Bearing Bushinging

Replacing: 250626; tcb127

O.D. 15.90, **I.D.** 12.75, **L.** 18.97, **Type** Standard, **Material** Copper

Pkg 10



140053 Bearing Bushinging

Replacing: 10472567; 255491; tcb123; 24-23; mg-77a

Servicing: 37MT. 10478812; -5; -7; -8; -97; -98; -925; -926; -961; -999; -9013; -9014; -9015; -9016; -9020; -90

O.D. 19.10, **I.D.** 15.90, **L.** 18.80, **Type** Standard, **Material** Copper
Assort. 803025

Pkg 10



140054 Bearing Bushinging

Replacing: 251477; tcb125

Servicing: 25038; 25038E; -H; -79A; -79J; -83A; -83H; -85A; -85B; -88A; -88J; -105A; -105B; -113A; -113F; -116

O.D. 15.87, **I.D.** 12.70, **L.** 12.60, **Type** Standard, **Material** Copper

Pkg 10



140056 Bearing Bushinging

Replacing: 54241267

Collar O.D. 26.20, **O.D.** 15.85, **I.D.** 11.15, **L.** 16.30, **Type** Standard, **Material** Copper alloy
Assort. 803025

Pkg 10



140057 Bearing Bushinging

Replacing: 54252054; tcb114

Servicing: 25130A; -B; -40A; -40E; -43A; -43E; -44A; -44B; -51A; -52A; -54A; -54F; -55A; -55H; -202A; -203A; -

O.D. 15.00, **I.D.** 12.00, **L.** 16.70, **Type** Standard, **Material** Copper
Assort. 803025

Pkg 10



140058 Bearing Bushinging

Replacing: 54252236; tcb113

Servicing: 26132; 26132H; -J; -R; -3K; -3R; -43J; -43Q; -46H; -46N; -47J; -47M; -48H; -48N; -49H; -49M; -50H;

O.D. 17.00, **I.D.** 14.00, **L.** 19.65, **Type** Standard, **Material** Copper
Assort. 803025

Pkg 10



140059 Bearing Bushinging

Replacing: 253316; tcb124
Servicing: 25079A; -J; -83A; -83H; -85A; -85B; -88A; -88J; -105A; -105B; -112A; -112B; -116A; -116D; -118A; -1
O.D. 20.74, **I.D.** 19.00, **L.** 17.62, **Type** Standard, **Material** Copper

---

Pkg 10



140060 Bearing Bushinging

Replacing: 250678; tcb126
Servicing: 25038; 25038E; -H; -6517A
O.D. 20.75, **I.D.** 19.00, **L.** 20.15, **Type** Standard, **Material** Copper

---



140102 Bushing Kit

Replacing: 54244773; tcb117
Servicing: M35J Inertia. 25147A; -H; -9B; -9H; -50A; -50E; -241A; -241B; -242A; -242D
Collar O.D. 25.35, **O.D.** 22.20, **I.D.** 19.15, **L.** 20.35, **Type** Mounting, **Material** Copper

---



140103 Bushing Kit

Replacing: 54245343; tcb116
Servicing: M35J, M100 8M90, -9M90. 25113A; -F; -30A; -30B; -37A; -37E; -37F; -37N; -40A; -40E; -43A; -43E; -44A
Collar O.D. 26.15, **O.D.** 15.85, **I.D.** 11.20, **L.** 12.35, **Type** Mounting, **Material** Copper
Assort. 803025



140104 Bushing Kit

Replacing: 54243853; tcb118
Servicing: M45, M50. 26125F; -208A; -208E; -211A; -211L; -211M; -211T; -211U; -213A; -215A; -215F; -215H; -227A
O.D.

Pkg 10



140144 Bearing Bushinging

Replacing: 271364; tcb120
Servicing: 26132A; -F; -3A; -3J; -43A; -43H; -45A; -45F; -46A; -46F; -47A; -47H; -48A; -48F; -49A; -49F; -49M;
O.D. 15.90, **I.D.** 12.70, **L.** 16.50, **Type** Standard, **Material** Copper
Assort. 803025

Pkg 10



140158 Bushinging under Size

O.D. 15.85, **I.D.** 9.85, **L.** 18.00, **Material** Copper
Assort. 803025

Pkg 10



140207 Bearing Bushinging

Replacing: 256112
O.D. 14.35, **I.D.** 12.75, **L.** 17.10, **Type** Standard, **Material** Copper

---



140209 Bushinging Kit

Replacing: 60600175; tcb109
Servicing: M100 Inertia. 25631A; -D; -6B; -7B; -59A; -59D; -68A; -68D; -69A; -70A; -70B; -76A; -76B; -77A; -77D
Collar O.D. 31.65, **O.D.** 26.25, **I.D.** 22.35, **L.** 34.00, **Type** Mounting, **Material** Copper

---

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



140212 Bearing Bushinging

Replacing: 54252494; tcb112
Servicing: 26132; 26143J; -Q; -72A; -72D; -72E; -72L
O.D. 28.65, **I.D.** 25.47, **L.** 21.60, **Material** Copper
Assort. 803025



140528 Bushinging Kit

Replacing: 60600914; tcb129
Servicing: 26600E; -F; -1E; -1F; -2D; -2H; -4E; -4J; -5A; -6E; -6H; -7E; -7J; -9F; -9J; -13E; -13H; -14B; -14D

Assort. 803025



140590 Bushinging Kit

Replacing: 60600306; tcb106
Servicing: 26372A; -B; -85A; -85B; -90A; -90B; -90E; -94A; -94D; -437A; -437B; 26925188D; -9D; -93A; -94D; -96



140592 Bushinging Kit

Replacing: 60600178; tcb108
Servicing: 25148A; -K; -98A; -238A; -238E; -239A; -239F; -265A; -265F; -276A; -276E; -295A; -295E; -345A



140593 Bushinging Kit

Replacing: 60600047; tcb110
Servicing: 26269A; -F; -H; -L; -327A; -327H; -346A; -346D; -346E; -346K; -381A; -381D; -381E; -381F; -383A; -3

Pkg 10



140594 Bearing Bushinging

Replacing: 271733; tcb119
Servicing: 26132A; -F; -3A; -3J; -43A; -43H; -45A; -45F; -46A; -46F; -47A; -47H; -48A; -48F; -49A; -49F; -49M;
O.D. 28.65, **I.D.** 25.35, **L.** 17.15, **Material** Copper

Pkg 10



140625 Bearing Bushinging

O.D. 13.50, **I.D.** 12.10, **L.** 18.55, **Material** Copper



140646 Bushinging Kit

Replacing: 60600924; tcb130
Servicing: 26701A; -J; -2E; -2K; -7A; -7L; 26708; 26713A; -D; -5B; -6B; -7A; -800D; -800H; -801B; -801F; -802B



140655 Bushinging Kit

Replacing: 60600956; tcb131
Servicing: 26689; 26910D; -F; -1B; -1D; -3A; -20A; -20E; 26921; 26922B; -4B; -9A; -9B; -30A; -31A; -31B

Pkg 10



140656 Bearing Bushinging

Replacing: 54257833
O.D. 19.14, **I.D.** 12.75, **L.** 14.00, **Material** Copper
Assort. 803025

Pkg 10



140657 Bearing Bushinging

Replacing: 54256132
O.D. 16.00, **I.D.** 10.75, **L.** 13.95, **Type** Standard, **Material** Copper
Assort. 803025

Pkg 10



140659 Bearing Bushinging

Replacing: 54256151

Collar O.D. 38.10, **O.D.** 31.75, **I.D.** 28.56, **L.** 12.90, **Type** Standard, **Material** Copper
Assort. 803025

Pkg 10



140661 Bearing Bushinging

Collar O.D. 25.40, **O.D.** 22.25, **I.D.** 19.10, **L.** 20.60, **Type** Standard, **Material** Copper
Assort. 803025

Pkg 10



140662 Bearing Bushinging

O.D. 15.05, **I.D.** 12.05, **L.** 14.00, **Type** Standard, **Material** Copper

Pkg 10



140663 Bearing Bushinging

Replacing: 54264884

Collar O.D. 26.20, **O.D.** 15.85, **I.D.** 11.20, **L.** 12.40, **Material** Copper
Assort. 803025

Pkg 10



140664 Bearing Bushinging

Collar O.D. 31.80, **O.D.** 26.25, **I.D.** 22.40, **L.** 34.00, **Material** Copper

Pkg 10



140665 Bearing Bushinging

O.D. 15.10, **I.D.** 12.05, **L.** 7.80, **Type** Standard, **Material** Copper

Pkg 10



140666 Bearing Bushinging

O.D. 15.85, **I.D.** 11.15, **L.** 18.75, **Type** Standard, **Material** Copper

Pkg 10



140688 Bearing Bushinging

O.D. 17.60, **I.D.** 14.40, **L.** 21.85, **Material** Copper

Pkg 10



140689 Bearing Bushinging

O.D. 15.10, **I.D.** 12.05, **L.** 19.00, **Material** Copper

Pkg 10



140746 Bearing Bushinging

Replacing: 270038; tcb122

Servicing: M45G. 25521F; -33A; -33E; -55A; -55F; -78A; -78B; -98A; -605A; -605D; -607A; -609A; -609E; -610A; -6

O.D. 25.45, **I.D.** 22.05, **L.** 33.60, **Material** Copper

Pkg 10



140997 Bearing Bushinging

Replacing: 140860; -997

O.D. 13.55, **I.D.** 10.95, **L.** 20.00, **Type** Standard, **Material** Copper

Pkg 10



141013 Bearing Bushinging

Servicing: M78, M80R.

Collar O.D. 21.95, **O.D.** 20.05, **I.D.** 16.50, **L.** 7.80, **Material** Copper

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



141014 Bearing Bushinging

Servicing: M78, M80R.

Collar O.D. 17.50, **O.D.** 14.40, **I.D.** 11.05, **L.** 9.90, **Material** Copper

Pkg 10



141016 Bearing Bushinging

O.D. 18.75, **I.D.** 17.03, **L.** 25.00, **Material** Copper

Pkg 10



141072 Bushinging

O.D. 18.85, **I.D.** 17.30, **L.** 24.90, **Material** Copper

Bearings

Pkg 10



140271 Bearing 6000/2rs

Replacing: 1989646; 60002rsrc3; 6000j; umb120; s930p14101; 949100-2760; 60002rs1; 6000c2hrs

Servicing: 00219091; -9; 028000-6260; -7700; -8620; -8980; -9270; -9320; -9321; -9380; -9510; -9800; -9860; 10

O.D. 26.00, **I.D.** 10.00, **H.** 8.00

Needle Bearings

Pkg 10



141263 Needle Bearing

Replacing: 720000400; bk1210b; 101025

Servicing: 26925159a; -B; a14n101; -3; -6; -13; a14n12; a14n121; a14n13; a14n134; a14n14; a14n144; -8; -50; a1

O.D. 16.00, **I.D.** 12.50, **L.** 9.93,
No. of rollers 18

Repair Kits



130870 Terminal

Replacing: 54216878

Servicing: C40. 22530D; -700L; -700R; -703K; -703M; -704L; -704Q; -705F; -705L; -713J; -713L; -715E; -715K; -71



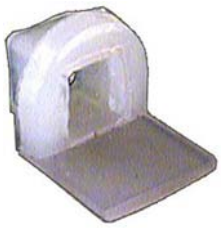
233045 Repair Kit

Servicing: M50, M127.

Incl.: 130879, 131298, 4 x 132209, 135500, 140104, lasx364.

Sundry Parts

Pkg 10



130869 Insulator

Servicing: M35J.

Insulator 10
Assort. 803026

Pkg 10



130871 Terminal

Replacing: 272022

Servicing: M45G.

L. 40.55, **Thread** M8
Assort. 803026



130879 Brake Kit

Replacing: 54243852
Servicing: M50. 26208A; -E; -9A; -9E; -15A; -15F; -15H; -33A; -33J; -33K; -33M; -36A; -36K; -36L; -38A; -38L; -

Assort. 803026



131298 Seal Kit

Replacing: 54244971; 60600020; 134752
Servicing: M50, M127. 26273A; -D; -E; -F; -H; -M; -4A; -4D; -4E; -4F; -4H; -4N; -94A; -94B; -94D; -94E; -94F; -

Assort. 803026

Pkg 10



132771 Insulator

Servicing: M35G.
Insulator 10
Assort. 803026

Pkg 5



132928 Cap

Servicing: 8M90. 25326; -32; -38; -44
O.D. 28.00, **H.** 14.55
Assort. 803026

Pkg 5



133637 Cap

Servicing: 8M90, 9M90.
O.D. 26.80, **H.** 13.15
Assort. 803026

Pkg 10



133914 Star Washer

Replacing: tlb185
Servicing: M35J, K, M78, M79, 5M90. 25137A; -E; -F; -N; -45A; -45H; -45J; -46A; -46J; -46K; -57A; -57J; -57K; -

Assort. 803026

Pkg 10



134095 Paper Strip

Servicing: 2M100, 3M100.

Assort. 803026

Pkg 5



134096 Dust Cover

Servicing: 2M100, 3M100.

Assort. 803026

Pkg 10



134459 Brass Nut

Replacing: 134459; 172580
Servicing: M35J.
O.D. 11.00, **Thread** M6
Assort. 803026

Pkg 10



134460 Brass Nut

Servicing: M35J.
O.D. 10.00, **Thread** M5
Assort. 803026

Pkg 10



135122 Pole Shoe Screw

Servicing: M35, M45, M50, M418.
Thread L. 7.40, **L.** 14.65, **Thread** M10
Assort. 803026

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



135123 Paper Insulator

Servicing: M79.



135499 Pole Screw Kit

Servicing: M45. 26925188D; -9D; -93A; -94D; -96A; -98D; -200A

Metric.



135500 Parts Kit

Replacing: 54243855; tlb189

Servicing: M50, M127. 25128A; -B; -30A; -30B; -6208A; -6208E; -6211A; -6211L; -6211M; -6211T; -6211U; -6215A; -

Metric.



135501 Terminal Kit

Servicing: M45, M50, M127.

Pkg 5



135916 Dust Cover

Servicing: M79.

Pkg 5



136272 Gasket

Servicing: M45G.

L. 352.90, **Th.** 1.95, **W.** 39.80

Pkg 10



136274 Gasket

Servicing: M50.

L. 75.00, **Th.** 0.55, **W.** 8.00

Pkg 5



136275 Gasket

Servicing: M45G.

L. 289.00, **Th.** 0.50, **W.** 27.80

Pkg 5



136279 Gasket

Servicing: M50.

L. 283.35, **Th.** 0.35, **W.** 38.10

Pkg 5



136322 Insulator

Servicing: 2M113.

Insulator 5



136339 Sealing Kit

Replacing: 60600026

Servicing: M45G, 2M113.

Pkg 5



136949 Insulator

Servicing: M50.

Insulator 5

Pkg 5



136950 Insulator

Servicing: M50.
Insulator 5

Pkg 5



137494 Insulator

Servicing: M50.
Insulator 5

Pkg 5



137495 Insulator

Servicing: 2M113. 27432
Insulator 5

Pkg 10



137532 Nut

Replacing: 54132580
Servicing: M35J.
O.D. 13.25, **Thread** 1/4"bsf

Pkg 5



138138 Terminal

Replacing: 256746
Servicing: M45G.
L. 52.40, **Thread** M8



138840 Main Spring

Replacing: 270889; tlb172; -4
Servicing: M45G. 25521; 25521F; 25533; 25533A; -E; 25578; 25578A; -B; 25604; 25605A; -D; 25607; 25607A; 25611;
O.D. 35.30, **L.** 47.00

Pkg 10



138880 Snap Ring

Servicing: M78, M79, M80, M35g.
Th. 2.00
Retaining ring: Cargo 235084.

Pkg 10



138882 CE. Shim

Servicing: M79.
O.D. 19.00, **I.D.** 11.90, **Th.** 1.35, **Material** Steel

Pkg 10



138883 C-clip

Servicing: M79.
O.D. 19.78, **I.D.** 9.15, **Th.** 1.69, **Material** Brass



138885 Plastic Holder

Servicing: M79.



181183 Reverse Light Switch

Replacing: 7.6075; 4212; 30972; 35631; 38890b; prc1039; rtc4512
Servicing: M45G.
Thread type M16-2.00
Assort. 808010; 808018

Pkg 100



192404 Hex Screw

Servicing: M45G.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



232065 Dust Cover

Servicing: M79, M80.

O.D. 15.95, **H.** 5.13

Pkg 10



235084 Stop Collar

Servicing: M35, M78, M79, M80.

O.D. 17.10, **I.D.** 12.30, **Th.** 4.00, **Material** Steel



236233 Gasket Kit

Replacing: 54246978

Servicing: 25642A; -F; -3A; -3J; -4A; -4K; -7A; -7L; -8A; -8K; -9A; -9L; -51A; -51B; -54A; -54H; -62A; -62E; -

---

End Covers

Pkg 10



138881 C.E. Gasket

L. 53.15, **Th.** 0.90, **W.** 32.90

Pkg 5



138884 C.E. Dust Cover

Servicing: M79.

O.D. 32.50, **H.** 13.50

Gasket: Cargo 138881.

Thru Bolts

Pkg 10



232066 Thru Bolt

Servicing: M78R.

L. 136.15, **Thread size front** M6, **Thread size rear** M6

Pkg 10



232067 Thru Bolt

Servicing: M78R.

L. 151.00, **Thread size front** M6, **Thread size rear** M6



233880 Thru Bolt Set

Replacing: tzt102

Servicing: M50, M127.

Collar L. 193.00, **L.** 199.00, **Thread** M8



233881 Thru Bolt Set

Replacing: TZT104

Servicing: 2M113. 2M113

Collar L. 189.55, **L.** 195.45, **Thread** M8



235008 Thru Bolt Kit

Servicing: M50, M127.

Collar L. 194.30, **L.** 200.60, **Thread** M8

Armatures



130216 Armature

Replacing: 9927785; 9932508; 72361301

Servicing: 63216701; -25

V. 24, **kW.** 4.0, **Core OD** 75.00, **Shaft L.** 316.90, **Splines** 12, **Rotation** CR



130218 Armature

Replacing: 72387301

Servicing: 63217201; -25

V. 24, **kW.** 3.0, **Core OD** 75.00, **Shaft L.** 295.40, **Splines** 12, **Rotation** CR



130347 Armature

Replacing: 4113524; 879894; 74899901

V. 24, **kW.** 2.3, **Core OD** 74.90, **Shaft L.** 298.00, **Splines** 3, **Rotation** CR

w/ 12 splines: Cargo 134641.



130355 Armature

Replacing: 4109225; 4262294; 74868551

Servicing: 63220439

V. 12, **kW.** 0.5, **Core OD** 51.75, **Shaft L.** 233.00, **Splines** 12, **Rotation** ACR



130360 Armature

Replacing: 9001334020; 9003334020; 17127-1; 4142225; 4202983; 4255494; 74861761; 132813

Servicing: 63220700; -32; -35; -40; -41; -43; -44; -46; -830; -833; -834; -931; -932; -940; MTS12-1; MTS12-22;

V. 12, **kW.** 0.8, **Core OD** 54.40, **Shaft L.** 250.00, **Splines** 12, **Rotation** CR

Commutator: Cargo b135710.



130370 Armature

Replacing: 4154276; 4294496; 4475182; 74866521; 74868531; 74874761

Servicing: 63222243; -430; -435; -437; -438; -439; -453; -531; -532; -536

V. 12, **kW.** 1.3, **Core OD** 67.00, **Shaft L.** 268.55, **Splines** 12, **Rotation** CR



130386 Armature

Replacing: 9928450; 9933236; 72386801; -3

Servicing: 63216808; -14; -15; -16; -25; -26; -27; -51; -52; -73; -76; -98

V. 12, **kW.** 3.5, **Core OD** 75.00, **Shaft L.** 321.00, **Splines** 12, **Rotation** CR

Commutator: Cargo b139773.



130945 Armature

Replacing: 8083006; 4120548; 4262329; 4287975; 74869671; 74870031

Servicing: 63201000; -1; -2; -3; -4; -5; -30; -50; -20107; -20108; -20137; -20138

V. 12, **kW.** 0.5, **Core OD** 51.75, **Shaft L.** 230.00, **Splines** 2, **Rotation** ACR

Commutator: Cargo b134705.



131132 Armature

Replacing: 74886931; 74892151

Servicing: 63220507; -36; -37; -38

V. 12, **kW.** 0.5, **Core OD** 51.70, **Shaft L.** 232.80, **Splines** 12, **Rotation** CR

Commutator: Cargo b134705.



131470 Armature

Replacing: 72163201

Servicing: 63216731; -41

V. 24, **kW.** 4.0, **Core OD** 75.00, **Shaft L.** 317.55, **Splines** 12, **Rotation** CR

Commutator: Cargo b139773.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



131472 Armature

Replacing: 72163701

Servicing: 63217126; -48; -54; -56; -58; -63; -86; -88; -407; -408; -410; -433; -447

V. 12, **kW.** 2.5, **Core OD** 75.00, **Shaft L.** 292.00, **Splines** 12, **Rotation** CR

Commutator: Cargo b134592.



131668 Armature

Replacing: 9936042; 74880991

Servicing: 63221300; -30; -32; -38; -401; -430; -431; -531; -532; -538; -633; -637

V. 12, **kW.** 0.9, **Core OD** 60.00, **Shaft L.** 220.00, **Splines** 12, **Rotation** CR

Commutator: Cargo b134593.



131670 Armature

Replacing: 9956550; 72382301

Servicing: 63217101; -4; -5; -6; -7; -10; -16; -17; -18; -19; -20; -21; -25; -38; -47; -52; -73; -82; -402; -4

V. 12, **kW.** 2.5, **Core OD** 75.00, **Shaft L.** 296.00, **Splines** 12, **Rotation** CR

Commutator: Cargo b134592.



132615 Armature

Replacing: 74893711

Servicing: 63101003; 63221830; -2; -4; -90; -92

V. 12, **kW.** 0.8, **Core OD** 60.00, **Shaft L.** 185.50, **Splines** 12, **Rotation** CR

Commutator: Cargo b134596.



132619 Armature

Replacing: 74891011

Servicing: 63221403; -33; -34; -36; -38; -500; -530; -533; -539; -630; -632; -635; -636; -639; -731

V. 12, **kW.** 1.1, **Core OD** 59.85, **Shaft L.** 231.40, **Splines** 10, **Rotation** CR

Commutator: Cargo b135710.



132773 Armature

Replacing: 4155775; 4474560; 74732201

Servicing: 63225301; -3; -91

V. 24, **kW.** 8.0, **Core OD** 84.60, **Shaft L.** 504.50, **Splines** 6, **Rotation** CR/ACR



132817 Armature

Replacing: 74894221; 74899021

Servicing: 63114008; -10; -14; 63221831; -2030; -2031; -2034; -2035; -2036; -2038; -2039; -2130; -2131; -2133;

V. 12, **kW.** 2.2, **Core OD** 58.95, **Shaft L.** 134.20, **No. of teeth** 11, **Rotation** CR/ACR

Commutator: Cargo b232975.



132849 Armature

Replacing: 74888921

Servicing: 63223203; -33; -36; -37; -38; -39; -330; -331; -332

V. 12, **kW.** 1.6, **Core OD** 64.90, **Shaft L.** 266.50, **Splines** 10, **Rotation** CR



132951 Armature

Replacing: 72386601

Servicing: 63216703; -26; -27; -40

V. 24, **kW.** 4.0, **Core OD** 74.90, **Shaft L.** 321.00, **Splines** 12, **Rotation** CR

Commutator: Cargo B134573.



133030 Armature

Replacing: 72161601

Servicing: 63217226

V. 24, **kW.** 3.0, **Core OD** 75.00, **Shaft L.** 292.20, **Splines** 12, **Rotation** CR



133223 Armature

Replacing: 4184464; 74844701

Servicing: 63224580

V. 24, **kW.** 4.0, **Core OD** 82.40, **Shaft L.** 336.50, **Splines** 12, **Rotation** CR



133224 Armature

Replacing: 74886461

Servicing: 63220535; -61

V. 12, **kW.** 0.5, **Core OD** 51.90, **Shaft L.** 233.00, **Splines** 12, **Rotation** ACR

Commutator: Cargo b135710.



133567 Armature

Replacing: 9941307; 83220031; 83225372

Servicing: 63222831; -2; -3; -6; -7; -8; -97; -3031; -3032; -3033; -3034

V. 12, **kW.** 1.0, **Core OD** 51.45, **Shaft L.** 216.30, **Splines** 12, **Rotation** CR

Commutator: Cargo b139779.



133593 Armature

Replacing: 998124; 9981248; 72379701

Servicing: 63216702; -7; -33

V. 24, **kW.** 4.0, **Core OD** 74.90, **Shaft L.** 328.00, **Splines** 12, **Rotation** CR



133955 Armature

Replacing: 72162601; 72169501

Servicing: 63216731; -817; -818; -831; -852; -884; -896; 63616896

V. 12, **kW.** 3.5, **Core OD** 74.95, **Shaft L.** 317.50, **Splines** 12, **Rotation** CR

Commutator: Cargo b139773.



133970 Armature

Replacing: 9956524; 72378301

Servicing: 63216802; -33; 63616831

V. 12, **kW.** 3.5, **Core OD** 75.00, **Shaft L.** 328.00, **Splines** 12, **Rotation** CR



134122 Armature

Replacing: 4185546; 74845901; 74895901

Servicing: 63224600; -2

V. 12, **kW.** 3.0, **Core OD** 82.60, **Shaft L.** 336.60, **Splines** 12, **Rotation** CR



134365 Armature

Replacing: 54294409; -543; 83220271; 83222921

Servicing: 63111000; 63223430; -1; -2; -3; -4; -5; -6; -8; -94; -530; -531; -532; -533; -639; -93435

V. 12, **kW.** 1.0, **Core OD** 47.40, **Shaft L.** 142.50, **No. of teeth** 11, **Rotation** CR/ACR

Commutator: Cargo b138976.



134641 Armature

Replacing: 4141355; 74700901

Servicing: 63221535; -3800; -3802; -3807; -3830; -3832

V. 24, **kW.** 2.3, **Core OD** 74.85, **Shaft L.** 298.60, **Splines** 12, **Rotation** CR

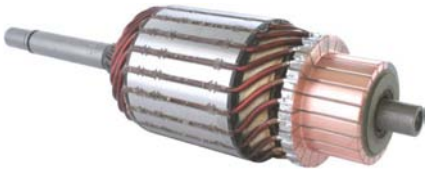
w/ 3 splines: Cargo 130347.



134653 Armature

Replacing: 74885041

V. 12, **kW.** 0.9, **Core OD** 59.90, **Shaft L.** 223.60, **Splines** 12, **Rotation** CR



135620 Armature

Replacing: 83225127; -727; 83226536; -811; 86226811; 83227678

Servicing: 63101000; -2; -8; -2003; -2004; -2007; -2008; -3002; -3003; -3007; -3008; -3015; -3022; -3023; -302

V. 12, **kW.** 1.0, **Core OD** 51.45, **Shaft L.** 202.40, **Splines** 12, **Rotation** CR

Commutator: Cargo b139779.



135893 Armature

Replacing: 9083000; 4162796; 74867591

Servicing: 63222703; -30; -31

V. 12, **kW.** 1.5, **Core OD** 66.87, **Shaft L.** 287.25, **Splines** 12, **Rotation** CR

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



136643 Armature

Replacing: 74891351
Servicing: 63221405; -35; -536
V. 12, **kW.** 1.1, **Core OD** 59.90, **Shaft L.** 231.50, **Splines** 10, **Rotation** ACR



138443 Armature

Replacing: 54295331; 83225758
Servicing: 63223103; -4; -30001; -30003; -93103; -93104
V. 12, **kW.** 0.8, **Core OD** 51.55, **Shaft L.** 218.45, **Splines** 12, **Rotation** ACR
Commutator: Cargo b139779.



138526 Armature

Replacing: 54294569; 83227126
Servicing: 1114648; 63111001; -5; -7; -8; -9; -16; -17; -23; -27; -36; 63223537; -730
V. 12, **kW.** 1.4, **Core OD** 47.45, **Shaft L.** 120.00, **Splines** 11



230746 Armature

Replacing: 72391701
Servicing: 63216704; -6; -10; -38; -47; -48; -63
V. 24, **kW.** 4.0, **Core OD** 74.80, **Shaft L.** 350.30, **Splines** 12



231159 Armature

Replacing: 83226316
Servicing: 63113002; -3; -4; -93001
V. 12, **kW.** 1.8, **Core OD** 48.40, **Shaft L.** 130.00, **Splines** 11



231481 Armature

Replacing: 83226902
Servicing: 63101007; -91007
V. 12, **kW.** 0.8, **Core OD** 49.00, **Shaft L.** 178.50, **Splines** 12, **Rotation** CR



234093 Armature

Replacing: 83225937
Servicing: 63102000; -92000; 63223106
V. 12, **kW.** 0.9, **Core OD** 51.40, **Shaft L.** 203.00, **Splines** 12



235469 Armature

Replacing: 83225702
Servicing: 63223039; -93039
V. 12, **kW.** 0.9, **Core OD** 51.60, **Shaft L.** 195.30, **Splines** 12



235470 Armature

Replacing: 74887441
Servicing: 63221333; 63321303; -33
V. 12, **kW.** 0.9, **Core OD** 60.00, **Shaft L.** 225.50, **Rotation** ACR



235662 Armature

Servicing: 2873k404; -5; 63280040
V. 12, **kW.** 3.0, **Core OD** 59.00, **Shaft L.** 147.00, **No. of teeth** 14

237078 Armature

Replacing: 237078; res10676
Servicing: 63101021; -3
V. 12, **kW.** 0.9, **Shaft L.** 187.00, **Splines** 12

9 Volt



138338 Armature

V. 9, **kW.** 2.5, **Core OD** 75.00, **Shaft L.** 295.90, **Splines** 12, **Rotation** CR
Commutator: Cargo b134591. High torque.

Yokes



136143 Yoke Assy

Replacing: 83220991; 83221651; 83223311
Servicing: 63222831; -2; -3; -6; -7; -8; -3031; -3032; -3033; -3034
V. 12, **kW.** 0.8/1.0, **O.D.** 80.45, **L.** 76.00, **Brush gear** w/o, **Magnets** w/o



138536 Yoke Assy

Replacing: 83225146; 83226348
Servicing: 63101000; -2; -8; 63222889; -908; -909; -936; -3104; -3109; -3200; -3303; -93104
V. 12, **kW.** 0.8, **O.D.** 80.50, **L.** 70.60, **Brush gear** w/o, **Magnets** w/o
Field coil: Cargo 135621. Brush: Cargo jsx38-412.



139625 Yoke Assy

Replacing: 83226564
Servicing: 2873k404; -5; 63114014
V. 12, **kW.** 2.6, **O.D.** 94.50, **L.** 75.25, **Brush gear** w/o, **Magnets** w/o
Only field coil: Cargo 234092. Brush set: jsx53-54.

235370 Yoke

Replacing: 83226557
Servicing: 63111005; -8; -18; -37; 63223536
V. 12, **kW.** 1.3

239166 Field House

Servicing: 63111008; -18; -37; 63223536; -730
O.D. 66.50, **L.** 63.30

Field Coils



130215 Field Coil

Replacing: 9932507; 72144501; -701; 72360401; 72385201
Servicing: 63216701; -3; -26; -27; -40
V. 24, **kW.** 4.0, **H.** 132.50, **Brush gear** w/o



130325 Field Coil

Replacing: 2004115040; -1; -2; -3; 9008720; -1; 9923722; 18.500.803; -6; 70494803; -4
Servicing: 0001401007; -11; -12; -19; -23; -26; -27; -28; -44; -45; -46; -47; -49; -50; -52; -60; -62; -66; -6
V. 12, **kW.** 3.0, **H.** 116.00, **Brush gear** w/o
Main coil.



130359 Field Coil

Replacing: 17181-2; 4141881; 74860061
Servicing: 63220700; -32; -35; -40; -41; -43; -44; -46; -830; -833; -834; -931; -940; MTS12-1; MTS12-22; -3; -
V. 12, **kW.** 0.8, **H.** 80.45, **Brush gear** w/o



130368 Field Coil

Replacing: 4154272; 74866471; 2101-3708120
V. 12, **kW.** 1.3, **H.** 93.80, **Brush gear** w/o
Main coil.



130369 Field Coil

Replacing: 4154273; 74866481; 2101-3708150
V. 12, **kW.** 1.3, **H.** 97.20, **Brush gear** w/o
Aux. coil.



131314 Field Coil

Replacing: 2004114085; -143; -145; 60737105
Servicing: 0001362300; -1; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -
V. 12, **kW.** 2.3/2.7, **H.** 113.55, **Brush gear** w/o

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



131380 Field Coil

Replacing: 2004114199; 79044565
Servicing: 0001363104; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21; -22; -2
V. 24, **kW.** 2.6/3.2, **H.** 112.40, **Brush gear** w/o



131384 Field Coil

Replacing: 4474618; 74871481; -91
Servicing: 63226301
V. 24, **kW.** 8.0, **H.** 194.25, **Brush gear** w/o
Main coil.



131473 Field Coil

Replacing: 72165901
Servicing: 63216731; -41
V. 24, **kW.** 4.0, **H.** 122.55, **Brush gear** w/o



131474 Field Coil

Replacing: 72166001
Servicing: 63217126; -48; -54; -88; -410
V. 12, **kW.** 2.5, **H.** 105.55, **Brush gear** w/o



131679 Field Coil

Replacing: 4076389; 74740701
Servicing: 63224301; -2; -98
V. 24, **kW.** 6.0, **H.** 110.50, **Brush gear** w/o
Auxiliary coil.



131680 Field Coil

Replacing: 9956549; 72142401; 72381901
Servicing: 63217101; -4; -5; -18; -19; -20; -21; -25; -47
V. 12, **kW.** 2.5, **H.** 119.90, **Brush gear** w/o



133059 Field Coil

Replacing: 74893931
Servicing: 63221890
V. 12, **kW.** 0.8, **H.** 62.15, **Brush gear** w/o



133594 Field Coil

Replacing: 72144502; -702
Servicing: 63216702; -33
V. 24, **kW.** 4.0, **H.** 136.00, **Brush gear** w/o



133595 Field Coil

Replacing: 72165701
Servicing: 63217226
V. 24, **kW.** 3.0, **H.** 103.70, **Brush gear** w/o



134017 Field Coil

Replacing: 9938231; 74890961
Servicing: 63221405; -33; -34; -35; -36; -38; -530; -533; -536; -539; -632; -635; -636; -639; -731
V. 12, **kW.** 1.1, **H.** 75.00, **Brush gear** w/o



134044 Field Coil

Replacing: 74880921; 74885011; 74888361
Servicing: 63221300; -2; -3; -8; -22; -30; -32; -33; -34; -35; -400; -401; -431; -534; -535; -633; -637
V. 12, **kW.** 0.9, **H.** 78.40, **Brush gear** w/o



134910 Field Coil

Replacing: 72146501; 72387101
Servicing: 63217201; -25
V. 24, **kW.** 3.0, **H.** 110.60, **Brush gear** w/o



135621 Field Coil

Servicing: 63223204

V. 12, **kW.** 0.8, **H.** 78.55, **Brush gear** w/o

Field coil w/ yoke: Cargo 138536.



135622 Field Coil

Replacing: 83225117

Servicing: 63102003; -4; -7; -8; -900; -901; -3002; -3003; -3008; 63222900; -1; -3085; -3101; -3103; -3108; -9

V. 12, **Amp.** w/o, **kW.** 0.9/1.0



135623 Field Coil

Replacing: 83223991

Servicing: 63223034

V. 12, **kW.** 1.1, **H.** 78.90, **Brush gear** w/o



136207 Field Coil

Replacing: 74899781

V. 12, **kW.** 1.0, **H.** 74.90, **Brush gear** w/o



136625 Field Coil

Replacing: 74894121; 74898981

Servicing: 63221831; -2030; -2031; -2034; -2035; -2036; -2038; -2039; -2130; -2133; -2134; -2138; -92035

V. 12, **kW.** 2.2, **H.** 71.80, **Brush gear** w/o

Brush set: Cargo jsx31-32.



138429 Field Coil

Replacing: 74888901

Servicing: 63223209; -36; -37; -38; -39; -330; -331; -332

V. 12, **kW.** 1.6, **H.** 96.25, **Brush gear** w/o



139497 Field Coil

Replacing: 72165801

Servicing: 63216831; -61; -96

V. 12, **kW.** 3.5, **H.** 121.30, **Brush gear** w/o



234092 Field Coil

Servicing: 2873k404; -5

V. 12, **kW.** 2.6, **H.** 77.65, **Brush gear** w/o

Accessories

Pkg 10



135644 Pole Shoe Screw

Replacing: 883323; 74751110

Servicing: 74751110

Thread L. 7.40, **L.** 12.10, **Thread** M10

Pkg 10



139882 Pole Shoe Screw

Thread L. 9.30, **L.** 14.00, **Thread** M10

C.E. Brackets



134432 C.E. Bracket

Replacing: 74861771

Servicing: 63220700; -32; -35; -40; -41; -43; -44; -46; -830; -833; -834; -931; -932; -940

w/ brushes and spring.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



136163 C.E. Bracket

Replacing: 72163903; -4
Servicing: 63216741; -896; -7148; -7158; -7410



136206 C.E. Bracket

Replacing: 83221161; 83225272; -386
Servicing: 63222831; -2; -3; -6; -7; -8; -97; -3031; -3032; -3033; -3034



136223 C.E. Bracket

Replacing: 72163901
Servicing: 63216731; -831; -861; -7126; -7226



136974 C.E. Bracket

Replacing: 72163906
Servicing: 63216852; -7156; -7163
I.D. 106.00



136975 C.E. Bracket

Replacing: 72163902
Servicing: 63217154



138542 C.E. Bracket

Replacing: 74892191
Servicing: 63220537; -8



138556 C.E. Bracket

Replacing: 83225135; 83226699; 83225970
Servicing: 63101000; -2; -8; -2000; -2003; -2004; -2007; -2008; -3002; -3003; -3007; -3008; -3015; -3022; -302
I.D. 75.00



231941 C.E. Bracket

Replacing: 83226889; 231858
I.D. 91.00



233494 C.E. Bracket

Replacing: 74875791
Servicing: 2101-3708300; 63222408; -35; -37; -38; -39; -506
I.D. 81.75
w/o springs and brushes. Brush set: Cargo jsx134.



235301 C.E. Bracket

Replacing: 83225622; 83226713; 74899041
Servicing: 63114008; -10; -17; 63222005; -35
I.D. 91.50
Bushing: Cargo 140430.

D.E. Brackets



135764 D.E. Bracket

Replacing: 54249109; 54264664; 85541475
Servicing: M50. 26338D; -F; -9A; -9B; -9D; -9H; -79A; -79F; 63227500; -69



136203 D.E. Bracket

Replacing: 72143101; -3; -4; -5; -6; -7; 72362307; -8; 137032
Servicing: 63216826; -7; -31; -7121; -7125; -7201; -7225; -7226



136205 D.E. Bracket

Replacing: 83221931
Servicing: 63223031



136865 D.E. Bracket

Replacing: 85541458
Servicing: M50, M127. 63227501



136878 D.E. Bracket

Replacing: 54265121; 85541483; 135766
Servicing: M50, M127. 26274A; -D; -345A; -345B; -345D; -345J; -366A; -366F; -404A; -404D; -410A; -410B; 6322751



137024 D.E. Bracket

Replacing: 72157601; 72362306
Servicing: 63216726; -7



137025 D.E. Bracket

Replacing: 72157901; -2; 72388401
Servicing: 63216703; -40; -41



137026 D.E. Bracket

Replacing: 72143303; -8
Servicing: 63216851; -98



137027 D.E. Bracket

Replacing: 72143301; 72388403
Servicing: 63217104; -7; -47



137028 D.E. Bracket

Replacing: 72144801; 72148801; 72378601
Servicing: 63216702; -33



137213 D.E. Bracket

Replacing: 72134002; -3; 72142003
Servicing: 63216814; -76; -7106



137814 D.E. Bracket

Replacing: 74897851; 74898751; 83225234
Servicing: 63222034; -138



138206 D.E. Bracket

Replacing: 74893121
Servicing: 63221539; -630; -636; -639; -731

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



138351 D.E. Bracket

Replacing: 54265243; 54293977; 85541456; -72; 61240176
Servicing: M50, M127. 63227541; -7; -65; -68; -90; -98



138434 D.E. Bracket

Replacing: 54293976; 85541453; 54244390
Servicing: M127-2.8 kW. 27518A; 63227502; -18; -70; -74; -85; -88; -92; -96



138442 D.E. Bracket

Replacing: 83225153; 83226816; 86226816; 83225641
Servicing: 63103007; -22; 63223085; -101; -303



138561 D.E. Bracket

Replacing: 83225739
Servicing: 63223039; -93039; 83225739



139032 D.E. Bracket

Replacing: 85541336; -465; -468; 54292157
Servicing: M127. 1100460; -502; -503; -1051; -1052; -1053; -1054; -1055; -1056; -1057; -5119; -5201; -5526; -55



139087 D.E. Bracket

Replacing: 74886951
Servicing: 63220536



139629 D.E. Bracket

Replacing: 83226888
Servicing: 63114014



230813 D.E. Bracket

Replacing: 54265258; 85541540
Servicing: M127. 63227533; -601



231823 D.E. Bracket

Replacing: 54294389; 83221721
Servicing: E70R. 63223431; -530

235115 D.E. Bracket

Replacing: 83225920; 83226401
Servicing: 63111005



235122 D.E. Bracket

Replacing: 83226437
Servicing: 63102008; 63222900



235302 D.E. Bracket



235304 D.E. Bracket

Replacing: 83226116; 83225846

Servicing: 63102003; -4

Bushing: Cargo 140050.

I.M. Brackets



231024 I.M. Bracket

Replacing: 72364801

Solenoids



130281 Solenoid

Replacing: 0331100005; -14; 0331101001; -3; 05880; 9009423; 9923794; 9925687; 16.670.127; 63631425; ie14aa

Servicing: 0001400016; -1011; -1012; -1019; -1023; -1026; -1027; -1028; -1041; -1044; -1046; -1047; -1049; -10

V. 12, **B+** Cable



130301 Solenoid

Replacing: 0331401040; 0331402001; -4; -19; -30; -33; -35; -39; -501; -504; -535; -539; 8997805; 9817926; 99260

Servicing: 0001223501; 0001358048; -50; -51; -9055; -9071; -9074; -9075; -9076; -9085; -9086; -9087; -9088; -9

V. 12, **B+** M10, **Coil bolt** M10

Cap: Cargo 131318.



130361 Solenoid

Replacing: 4073327; 4142558; 4153587; 63600502; -4; -6; 134298

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131326.



130367 Solenoid

Replacing: 4154106; 63600507; zm-1650; 2101-3708805

Servicing: 63222400; -30; -700; -701; -730; -731

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131324.



130373 Solenoid

Replacing: 09400; 4171243; 4474964; 63602200; -90

Servicing: 63224600; -2; -91

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131327.



130377 Solenoid

Replacing: 30430-1; 4189658; 4267879; 4275899; 63600400; 63902000; zm-650

Servicing: 63220700; MTD12-14; MTS12-22; -39

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131325.



130829 Solenoid

Replacing: 9932505; 63633501; ie35a

Servicing: 63216701; -2; -3; -6; -7; -25; -26

V. 24, **B+** M10, **Coil bolt** M10

Cap: Cargo 131329. Moving contact: Cargo 132248.



130830 Solenoid

Replacing: 9929078; 63633601; -3; ie36a

Servicing: 63216808; -25; -26; -73; -7104; -7105; -7107

V. 12, **B+** M10, **Coil bolt** M10

Cap: Cargo 131329. Moving contact: Cargo 132248.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



130848 Solenoid

Replacing: 07925; 8088006; 4166937; 4309853; 74870151

Servicing: 63201000; -1; -2; -3; -4; -5; -101; -20107; -20108; -20137; -20138; -20232



131112 Solenoid

Replacing: 7980335; 9936770; 9957705; 9986144; 63633801; -6; -25; 63693801; 79036683; 85540011; -221; ie38aaa;

Servicing: 63216815; -27; -31; -33; -51; -59; -61; -74; -96; -98; -7118; -7119; -7120; -7125; -7126; -7147; -7

V. 12, **B+** M10, **Coil bolt** M10

Cap: Cargo 131329. Moving contact: Cargo 132248.



131115 Solenoid

Replacing: 7980336; 9986109; 63633901; -2; -25; -33; 79036685; 85540111; -211; ie39aaa; zm-656; -7; tob811

Servicing: 63216727; -31; -33; -38; -40; -41; -47; -48; -63; -7225; -7226; -21630

V. 24, **B+** M10, **Coil bolt** M10

Cap: Cargo 131329. Moving contact: Cargo 132248.



131141 Solenoid

Replacing: 0331402006; -42; -43; -68; -70; -209; -570; 12490; 9817132; 9956666; 79026087; zm-648; 0331402034; 2

Servicing: 0001359051; -89; -97; -98; -62039; -62317; -62318; -62321; -62322; -62323; -62601; -62605; -62700;

V. 12, **B+** M10, **Coil bolt** 3

Cap: Cargo 131318. Rubber boot: Cargo 135576.



131143 Solenoid

Replacing: 0331303006; -26; -49; -58; -506; 2339303296; 9330081065; 9936660; 82368225; zm-575; -878; 0331303153

Servicing: 0001107009; -12; -13; -24; -33; -60; -85; -8099; -8129; -8147; -9012; -9017; -9049; -10005; -10012;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131315.



131437 Solenoid

Replacing: 9240000; 9244000; 9540000; 10332-9; 4475085; -93; -95; 9935727; 9938503; -76; 63600403; -83; -93; 85

Servicing: 63206002; -3; -20408; -20430; -20432; -20433; -20438; -20439; -20537; -20538; -20700; -20732; -2073

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 132229. Moving contact: Cargo 132246.



131589 Solenoid

Replacing: 9940019; 63601600; 85540071; zm-7651

Servicing: 63221830

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 132250. Moving contact: Cargo 132251.



132137 Solenoid

Replacing: 63600800; 85530000; 85540301

Servicing: 63221300; -30

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 132138.



132227 Solenoid

Replacing: 9936623; 63600802; 85530010; 85540591; zm-4651

Servicing: 63220506; -36; -901; -931; -1309; -1338; -1431; -1434; -1637

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 132229. Moving contact: Cargo 132246.



132228 Solenoid

Replacing: 63600901; 85530330; 85540001; -561; zm-651; 9938390; 134019; -863
Servicing: 63220932; -1400; -1405; -1430; -1433; -1435; -1436; -1438; -1530; -1533; -1536; -1635; -3235; -3236
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132229. Moving contact: Cargo 132246.



132249 Solenoid

Replacing: 9941301; 63601700; 85540371
Servicing: 63221834; -90
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231816. Moving contact: Cargo 132251.



132254 Solenoid

Replacing: 0331402031; -6; 9959806; 9984108; 79033664; zm-649; 9330081045
Servicing: 0001360027; -8016; -8019; -8020; -8021; -8037; -8056; -8059; -8063; -8086; -8311; 9000083065; B0018
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 131318.



133083 Solenoid

Replacing: 9941461; 85540581; zm-6651; 63600900
Servicing: 63221831; -2030; -2031; -2034; -2036; -2038; -2039; -2130; -2133; -2134
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133229.



133531 Solenoid

Replacing: 76397; 77121; -3; -31; -32; -33; -39; -41; -43; tpb104; -11; -16; -18; -19; 85541320; -2; -5; 287301
Servicing: M127. 27500A; -J; -2A; -2D; -3A; -3D; -4A; -4B; -9A; -9B; -13A; -14A; -14B; -15A; -15E; -16A; -16D;
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131015.



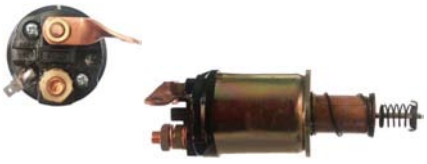
133566 Solenoid

Replacing: 9941308; 9942333; 85540231; -471; -473; -991; zm-3651
Servicing: 63221832; -92; -2831; -2832; -2833; -2836; -2837; -2897; -3031; -3032; -3431; -3530
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133229.



134862 Solenoid

Replacing: 85540461
Servicing: 63221305; -437; -535
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 136055.



134888 Solenoid

Replacing: 77122; tpb124; 85541323; zm-615
Servicing: M127/2.8. 27531A; -B; -D; -67A; 63227501; -8; -67; -75; -86; 63327575; -86
V. 12, **B+** M10, **Coil bolt** M8
Cap: Cargo 132270.



134974 Solenoid

Replacing: 0-47100-3901; 134974
Servicing: 0-23000-0260; -2
V. 12, **B+** M8, **Coil bolt** M8



136164 Solenoid

Replacing: 85540711
Servicing: 63222035; -92035
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231582. w/ 30H terminal.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



136889 Solenoid

Replacing: 77222; -3
Servicing: M78R. 26813; -4; -34; -41; -45; -48; 63226848
V. 12
Cap: Cargo 136892.



137190 Solenoid

Replacing: 85540981; 85541410; 9945557; zm-6595
Servicing: 63222889; -900; -936; -3109
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 137347.



137191 Solenoid

Replacing: 85541820; 85540961; 85541430; 9945630; zm-1595; zm-4595
Servicing: 63222900; -3085; -3303
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139602.



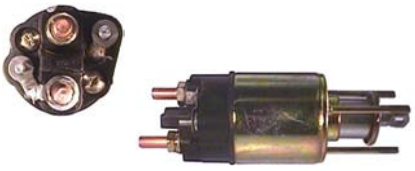
137790 Solenoid

Replacing: 63601963; -6; 85541020
Servicing: 63223435
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231880. w/ 30H terminal.



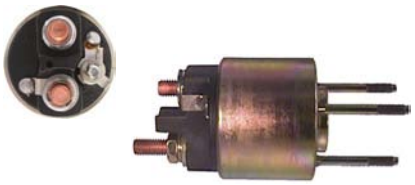
138444 Solenoid

Replacing: 85541420; -003; -670; zm-395; zm-2595; zm-9595; 63602106; 85511103
Servicing: 63111007; -8; -3002; -3003; -3004; 63223101; -730; -93538
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139602. Moving contact: Cargo 233969.



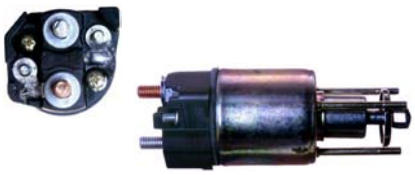
138447 Solenoid

Replacing: 85541001
Servicing: 63223532
V. 12, **B+** M8, **Coil bolt** M8



138477 Solenoid

Replacing: 63602109; -404; -502; 85541717; zm-3395; 231362; 6360502
Servicing: 2873k404; -5; 63114008; -10; -14; 63280040; -1
V. 12, **B+** M8, **Coil bolt** 3
Cap: Cargo 139602. Moving contact: Cargo 137348.



138522 Solenoid

Replacing: 85540841; 85541060
Servicing: 63223433
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231582. w/ 30H terminal.



138529 Solenoid

Replacing: 85540331
Servicing: 63223430
V. 12, **B+** M8, **Coil bolt** M8



138531 Solenoid

Replacing: 85541070; 138531
Servicing: 63223039; -93039
V. 12, **B+** M8, **Coil bolt** M8
Terminal: Cargo 231863.



138753 Solenoid

Replacing: 63633804; 85540031
Servicing: 63216816; -8; -52; -76; -84; -7138; -7156; -7163; -7173; -7180; -7401; -7402; -7407; -7425; -7433;
V. 12, **B+** M10, **Coil bolt** 3
Cap: Cargo 139141.



139104 Solenoid

Replacing: 85540922; 9944575
Servicing: 63222135; -6; -8; -204; -206
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 232417.



139220 Solenoid

Replacing: 85540501; 9941845
Servicing: 63223432
V. 12, **B+** M8, **Coil bolt** M8



139785 Solenoid

Replacing: 63600408; 85540781
Servicing: 63220535; -1302; -1332
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133229.



139786 Solenoid

Replacing: 85530050
Servicing: 63220535; -1332
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133229.



139849 Solenoid

Replacing: 63633604
Servicing: 63216814; -7106; -7108; -7110; -7112; -7116; MT71H
V. 12, **B+** M10, **Coil bolt** M10
Cap: Cargo 139141.



230325 Solenoid

Replacing: 9938442; 63600904; 85530220; 85540041; zm-5651
Servicing: 63220932; -1400; -1430; -1433; -1531; -1532; -1534; -1538; -1539; -1632; -1636; -1731
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133229.



230802 Solenoid

Replacing: 85541230
Servicing: 63101003
V. 12, **B+** M8, **Coil bolt** M8



230805 Solenoid

Replacing: 85541210; zm-8395; 83227502
Servicing: 63102000; -11001; -91001; -92000
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139602.



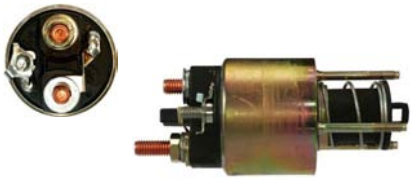
230807 Solenoid

Replacing: 85541860
Servicing: 63102008; -3002; -3003; -3007; -3008; -3022; -3023; -3025; 63222901; -8; -3101
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139602.



230808 Solenoid

Replacing: 85541740; zm-6395
Servicing: 63103026; -11016; -11017; -11036
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139602.



230809 Solenoid

Replacing: 85541010; -260; -400; -560; zm-7595; 9947959; zm-3595; 138445; -532
Servicing: 63101000; -2; -2003; -2004; -2007; -11005; 63222909; -3108; -3200
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139601.



231479 Solenoid

Replacing: 85541350; zm-7395
Servicing: 63101007; -91007
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 233074.



231806 Solenoid

Replacing: 85541110; -1; zm-1395
Servicing: 63223103; -4; -30001; -30003; -93103; -93104
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 137346.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



231990 Solenoid

Replacing: zm-2395; 231990
Servicing: 63293537
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 233968. w/ 30H terminal.



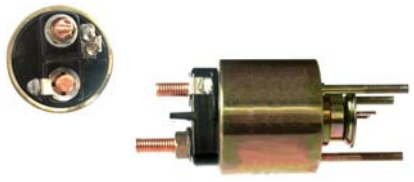
233814 Solenoid

Replacing: 85540851
Servicing: 63222131
V. 12, **B+** M8, **Coil bolt** M8



233815 Solenoid

Replacing: 85540921
Servicing: 63223033
V. 12, **B+** M8, **Coil bolt** M8



233816 Solenoid

Replacing: 85541200
Servicing: 63222905
V. 12, **B+** M8, **Coil bolt** M8



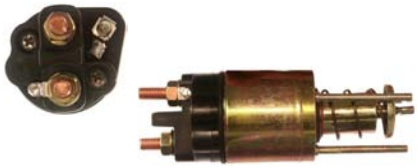
234284 Solenoid

Replacing: 63600996
Servicing: 63291405
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 234285.



234435 Solenoid

Replacing: 63602100
Servicing: 63224170; -580
V. 24, **B+** M8, **Coil bolt** M8
Cap: Cargo 131327.



234441 Solenoid

Replacing: 85541002
Servicing: 63111000; 63223436; -531; -533; -539; -639
V. 12, **B+** M8, **Coil bolt** M8



234733 Solenoid

Replacing: 85541770; ZM-4395; 85541360
Servicing: 63101000; -2; -8; -15; -2004; -2007; -2018; -3015; -3024; -3028; -11027; 63222909; -3108
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139601.



235383 Solenoid

Replacing: zm-396; 235383; res12821
Servicing: 63102022; -14012; -14017; 63222005
V. 12, **Amp.** 18/42, **B+** M8, **Coil bolt** M8
Solenoid cap: Cargo 233968.

238841 Solenoid

Replacing: 85541990
Servicing: 63101021; -2022; -3031; -14012; -14017; 63222005
V. 12, **B+** M8, **Coil bolt** M8

239075 Solenoid

Replacing: 85553402
Servicing: 63280091
V. 12, **B+** M8

Solenoid Parts

Coils



131324 Solenoid Cap

Replacing: zm-165091; 131324
Servicing: 2101-3708805; 63600507
O.D. 65.00, **No. of leads** 3
w/ spade terminals.

Solenoid Caps



131325 Solenoid Cap

Replacing: zm-65091; 133479; 131325
Servicing: 30430-1; 63600400; MTA12-2; mta12-40; MTA12-H04; -8; -24; -30; -P03; -P07
O.D. 57.00, **No. of leads** 3
w/ spade terminals.



131326 Solenoid Cap

Replacing: 134299; 131326
Servicing: 63600502; -4; -6
O.D. 66.25, **No. of leads** 3
w/ bullet terminals.



131327 Solenoid Cap

Servicing: 63602100; -200; -33301; -33401
O.D. 67.00, **No. of leads** 3

Pkg 5



131329 Solenoid Cap

Replacing: zm-65596; -696; 131329
Servicing: 63633501; -2; -601; -825; -901; -902; -925
O.D. 58.25, **No. of leads** 3, **Bracket type** Crimp
Solenoid: Cargo 131115.



132138 Solenoid Cap

Replacing: 132777; -138
Servicing: 85530000; -40301
O.D. 50.00, **No. of leads** 4

Pkg 5



132229 Solenoid Cap

Replacing: zm-65296; 131848; 132229
Servicing: 63600408; -83; -93; 85530010; -20; -30; -50; -90; -220; -280; -290; -330; -40041
O.D. 52.45, **No. of leads** 3
Solenoid: Cargo 131437, 132227, 132227, 132228, 132137.



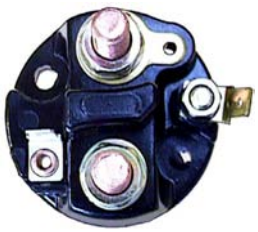
132250 Solenoid Cap

Replacing: zm-765196; 132250
Servicing: 63601600; 85540071
O.D. 49.80, **No. of leads** 3



133114 Solenoid Cap

Servicing: 74862661
O.D. 56.30, **No. of leads** 3



136055 Solenoid Cap

Servicing: 63601007; 85540461
O.D. 50.50, **No. of leads** 4

Pkg 5



137346 Solenoid Cap

Replacing: zm-139591; -6; 234440; 137346
Servicing: 85541110; -1
O.D. 52.00, **No. of leads** 3, **Bracket type** Crimp

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



137347 Solenoid Cap

Servicing: 85540981

O.D. 52.00, **No. of leads** 3, **Bracket type** Crimp



139141 Solenoid Cap

Servicing: 63633604; -804; 85540031

O.D. 58.80, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



139601 Solenoid Cap

Replacing: zm-359596; -1; 139601

Servicing: 85541010; -560

O.D. 52.20, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



139602 Solenoid Cap

Replacing: zm-259596; zm-39596; zm-159591; -6; zm-259591; zm-839591; 139602

Servicing: 63602502; 85541210; -420

O.D. 51.75, **No. of leads** 3, **Bracket type** Crimp



231386 Solenoid Cap

O.D. 51.50, **No. of leads** 3



231582 Solenoid Cap

Servicing: 85540711

O.D. 44.50, **No. of leads** 4

w/ 30H terminal.



231880 Solenoid Cap

Servicing: 636019063; -6; 85541020

O.D. 50.00, **No. of leads** 4

w/ 30H terminal.



231881 Solenoid Cap

O.D. 49.70, **No. of leads** 3



232417 Solenoid Cap

Servicing: 85540922

O.D. 50.70, **No. of leads** 3

Pkg 5



233074 Solenoid Cap

Replacing: zm-739591; 233074

Servicing: 85541350

O.D. 52.65, **No. of leads** 3, **Bracket type** Crimp



233968 Solenoid Cap

Replacing: 231861; 233968

Servicing: 63222005

O.D. 52.30, **No. of leads** 4, **Bracket type** Crimp

Moving Contacts

Pkg 5



132139 Moving Contact

Th. 3.00, **W.** 30.00, **Shaft** 30.50, **Material** Copper

Assort. 803035

Pkg 5



132246 Moving Contact

Th. 2.45, **W.** 32.00, **Shaft** 30.20, **Material** Steel
Assort. 803035

Pkg 5



132248 Moving Contact

Servicing: 63633801
Th. 3.90, **Shaft** 37.40, **Material** Copper
Assort. 803035

Pkg 5



132251 Moving Contact

Servicing: 63601700; 85540371
L. 28.30, **Th.** 1.98, **W.** 32.00, **Shaft** 26.48, **Material** Copper
Assort. 803035

Pkg 5



137348 Moving Contact

Servicing: 63111001; 63223537; 63602404
L. 26.90, **Th.** 2.00, **W.** 11.50, **Shaft** 24.60, **Material** Copper
Assort. 803035

Pkg 5



231383 Moving Contact

Servicing: 85540901
Th. 2.45, **W.** 38.00, **Shaft** 29.15, **Material** Copper

Pkg 5



233969 Moving Contact

Replacing: 233072; -969
Th. 1.55, **W.** 26.10, **Shaft** 24.90, **Material** Copper

Pkg 5

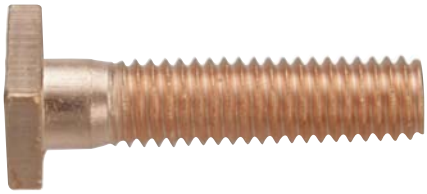


234655 Moving Contact

Th. 9.55, **W.** 24.00, **Material** Copper

Fixed Contacts

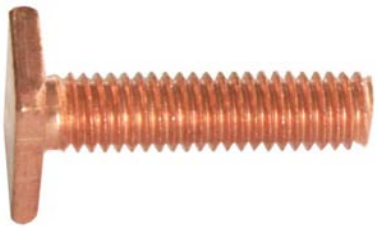
Pkg 10



232418 Fixed Contact

Collar L. 31.80, **L.** 35.30, **Thread** M8 x 1.25

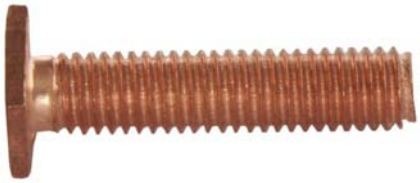
Pkg 5



234316 Fixed Contact

O.D. 10.00/12.90/2,30, **Thread L.** 22.60, **L.** 26.75, **Thread** M6

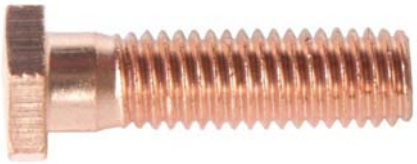
Pkg 5



234317 Fixed Contact

O.D. 9.90/13.00/2.30, **Thread L.** 32.80, **L.** 37.00, **Thread** M8

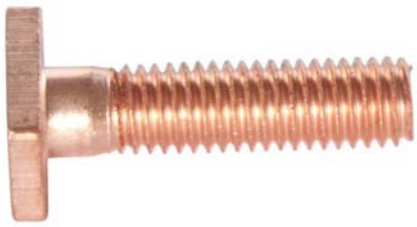
Pkg 5



234543 Fixed Contact

Collar L. 29.15, **L.** 32.25, **Thread** M8

Pkg 5

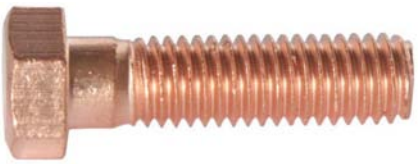


234580 Fixed Contact

Collar L. 32.20, **L.** 34.90, **Thread** M8

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



234581 Fixed Contact

Collar L. 29.90, **L.** 35.20, **Thread** M8

Gaskets

Pkg 10



138953 Gasket

Th. 1.70, **Material** Rubber

Terminals

Pkg 5



231863 Terminal 50

Servicing: 85541070

Terminals 0227

Drives



130417 Drive

Replacing: 2006380010; -410; -718; 5549-306bj; 9004794; 9018718; 9923779; 18.100.023; -98; 70616002; 72372530;

Servicing: 0001401011; -2; -23; -28; -41; -50; -52; -66; -67; -71; -2031; -2043; -2055; -2059; -2071; -2072; -

O.D. 34.70, **I.D.** 14.70, **L.** 120.00,
No. of teeth 9, **Splines** 3, **Drive type** Steel
Not oilproof.



130437 Drive

Replacing: 879898; 74899601; 1.01.0953.0

Servicing: 63223800

O.D. 35.00, **I.D.** 16.00, **L.** 88.00,
No. of teeth 9, **Splines** 3, **Rotation** CR,
Drive type Steel
Drives w/ 12 splines: Cargo 134643.



130439 Drive

Replacing: 4111194; 74868891; 1.01.0909.0; 85540731

Servicing: 63220409; -39

O.D. 25.20, **I.D.** 11.54, **L.** 62.45,
No. of teeth 9, **Splines** 6, **Rotation** ACR,
Drive type Steel



130452 Drive

Replacing: 54247034; -6; 54268141; 54294922; 60600024; tmb120; tnb165; 85541454; -79; -90; 1.01.0155.0; 133364;

Servicing: 26236l; -8M; -8Q; -48M; -56h; -59l; -59N; -60E; -64h; -64K; -71F; -71J; -79f; -79J; -79K; -81F; -81

O.D. 39.90, **I.D.** 17.00, **L.** 73.10,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



130454 Drive

Replacing: 9927793; 72363401; 72397106; 131478

Servicing: 63216701; mt67a; -8l

O.D. 34.50, **I.D.** 14.25, **L.** 77.25,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel
w/ lever.



130735 Drive

Replacing: 4059387; -435; 74867931

Servicing: 63220400; -30

O.D. 26.85, **I.D.** 12.00, **L.** 63.75,
No. of teeth 8, **Splines** 2, **Rotation** CR,
Drive type Steel



130737 Drive

Replacing: 17061-14; 17061-3; 4142235; 4145751; 4202988; 4249166; 9935948; 9936049; 74860391; 74861441; 7487685

Servicing: 63220700; -32; -35; -40; -41; -43; -44; -46; -830; -833; -834; -932; -940; -1300; -1302; -1303; -13

O.D. 25.55, **I.D.** 11.70, **L.** 71.15,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel



130738 Drive

Replacing: 9001133219; 17061-10; 4154293; 4243124; 4475122; 74866611; 74867401; 74874241; 85540271; 1.01.0213.0

Servicing: 63222430; -5; -8; -9; -531; -532; -536; -730; -731; -736; MTD12-14; -9; mtd12-9

O.D. 29.15, **I.D.** 14.00, **L.** 68.00,
No. of teeth 11, **Splines** 6, **Rotation** CR,
Drive type Steel



130739 Drive

Replacing: 4169960; 4226442; 4474695; 4475032; 74827301; 74871431; 1.01.0608.0

Servicing: 63224170; -580; -600; -602

O.D. 34.88, **I.D.** 17.00, **L.** 83.35,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel



130740 Drive

Replacing: 8087006; 4287980; 74870111; 1.01.0544.0; 16.900.038

Servicing: 63201000; -1; -2; -3; -4; -5; -101

O.D. 25.30, **I.D.** 11.50, **L.** 65.00,
No. of teeth 9, **Splines** 2, **Rotation** ACR,
Drive type Steel



130749 Drive

Replacing: 72138801

Servicing: 63216733; -816; -833; -7117; -7173; -7182; -7402; -7404; mt67ba; -8ba; -71la; -71ra; mt74b; -d

O.D. 34.40, **I.D.** 14.35, **L.** 77.20,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel
w/ lever.



130752 Drive

Replacing: 74879621

Servicing: 63222703; -33

O.D. 29.34, **I.D.** 14.00, **L.** 67.65,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel

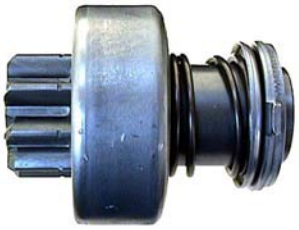


130946 Drive

Replacing: 9956426; 9981246; 72378801; 72399501

Servicing: 63216702; -7107; -7110; -7116; mt67b

O.D. 34.50, **I.D.** 14.30, **L.** 77.10,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel
w/ lever.



131109 Drive

Replacing: 9929081; 9935731; 9936772; 9957707; 9986112; 72139001; 72363402; 1.01.0407.0; 130750

Servicing: 63216727; -40; -825; -826; -827; -852; -898; -7118; -7119; -7120; -7125; -7147; -7225

O.D. 34.55, **I.D.** 14.30, **L.** 77.20,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel
Drives w/ lever: Cargo 234921 or 234922.



131496 Drive

Replacing: 9001336205; 10612-2; 4063663; 74870561; -651; 1.01.0533.0

Servicing: 63201101; MTD12-1; MTD12-12H5

O.D. 29.25, **I.D.** 14.00, **L.** 70.10,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



131588 Drive

Replacing: 85540081; 1.01.0786.3; 133097
Servicing: 63221802; -30; -32
O.D. 25.60, **I.D.** 11.68, **L.** 63.95,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel
Drive only: Cargo 132119.



131715 Drive

Replacing: 9936996; 74889271; 85540601; 1.01.0408.0; 9941751; 74886971
Servicing: 63220506; -7; -36; -37; -38
O.D. 25.60, **I.D.** 11.64, **L.** 68.56,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel



131716 Drive

Replacing: 17061-26; 9937207; -419; 74886131; 74887061; 85540491; -611; 1.01.0389.0; 132631
Servicing: 63220901; -31; -1338; -1430; -1431; -1538; -1637
O.D. 29.30, **I.D.** 11.55, **L.** 71.00,
No. of teeth 11, **Splines** 6, **Rotation** CR,
Drive type Steel



131728 Drive

Replacing: 54247389; 54268142; tmb121; tnb169; 85541496; -541; 1.01.0486.0
Servicing: M45G. 26233k; -L; -M; -86f; -86H; -86J; -320D; -320J; -335A; -348A; -348D; -7419A; -7419D; -7436A; -
O.D. 39.85, **I.D.** 17.05, **L.** 100.20,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



131729 Drive

Replacing: 54247397; 60600078; tmb125; 85541538; 1.01.0134.0
Servicing: M45G. 26275f; -J; -K; -80f; -80H; -80J; -306e; -306F; -306H; 27412; 27412a; -B; -D; -H; -6a; -6B; -6
O.D. 45.95, **I.D.** 17.05, **L.** 73.35,
No. of teeth 13, **Splines** 12, **Rotation** CR,
Drive type Steel



131747 Drive

Replacing: 2006380450; -8; 5549-306w; 74350413; -33
Servicing: 0001400016; -1019; 1331441; -520; -670; -3441; -3520; -3670; BNG2,5/12DR229; BNG4/12CR236; BS512P-1
O.D. 45.90, **I.D.** 14.50, **L.** 120.00,
No. of teeth 13, **Splines** 3, **Drive type** Steel



131779 Drive

Replacing: 4073993; 4301320; 74865381; 74884601
Servicing: 63224301; -2; -98; -5301; -5303; -5391; -5398
O.D. 40.30, **I.D.** 18.20, **L.** 122.85,
No. of teeth 11, **Splines** 6, **Drive type** Steel



131780 Drive

Replacing: 9918659; 70616004
Servicing: 63213853; -5; mt38qb; MT8TB
O.D. 35.30, **I.D.** 14.65, **L.** 120.00,
No. of teeth 9, **Splines** 3, **Rotation** CR,
Drive type Steel



132075 Drive

Replacing: 9087000; 4141057; 18.900.179; 74866151
Servicing: 63222300
O.D. 29.00, **I.D.** 14.00, **L.** 70.20,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel



132119 Drive

Replacing: 9939915; 74893901; 1.01.0786.0
Servicing: 1108638; -45; 63221890
O.D. 26.00, **I.D.** 11.60, **L.** 64.00,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel
Drive w/ lever: Cargo 134859 or 230757



132186 Drive

Replacing: 74885111; 85540651
Servicing: 63221304; -5; -6; -7; -535
O.D. 25.35, **I.D.** 12.15, **L.** 69.60,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



132187 Drive

Replacing: 9938328; 74888761; 85540481; 1.01.0395.0; 9941467; 74895431
Servicing: 63223000; -203; -236; -237; -330; -332
O.D. 25.20, **I.D.** 12.00, **L.** 65.70,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



132188 Drive

Replacing: 9936050; 9938235; 9941642; 74891161; 74898071; 74991161; 85540521; 1.01.0394.0
Servicing: 63221403; -33; -34; -500; -530; -533; -539; -632; -636; -639; -731
O.D. 29.15, **I.D.** 11.60, **L.** 65.50,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



132285 Drive

Replacing: 54247393; 54268139; 54290585; tmb148; -70; 85541462; -6; 1.01.0480.0
Servicing: M127/2.8. 26925155B; 27500A; -J; -4A; -4B; -6A; -6D; -7A; -7B; -11A; -16A; -16D; -28A; -28D; -53A; -
O.D. 39.40, **I.D.** 17.15, **L.** 70.40,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



132293 Drive

Replacing: 72139004; 1.01.0910.0
Servicing: 63216815; -51; -7403; mt68qa
O.D. 31.25, **I.D.** 14.40, **L.** 77.35,
No. of teeth 8, **Splines** 6, **Rotation** CR,
Drive type Steel
w/ lever.



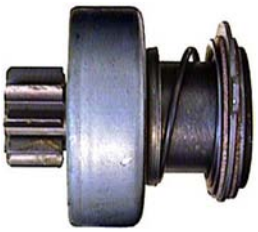
132302 Drive

Replacing: 74892751; 85540541
Servicing: 63221534
O.D. 25.20, **I.D.** 11.40, **L.** 70.70,
No. of teeth 9, **Splines** 12, **Rotation** Anticlockwise, **Drive type** Steel



132586 Drive

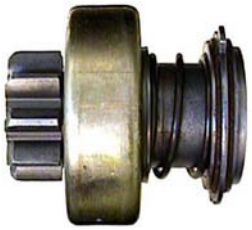
Replacing: 54291911; tmb167; 85541488; -544; 1.01.0823.0
Servicing: M78. 26600; 26600E; -F; 26601; 26601E; -F; 26605; 26605A; 26609; 26609F; -J; 26613; 26613E; -H; 2661
O.D. 26.35, **I.D.** 12.20, **L.** 48.15,
No. of teeth 10, **Splines** 9, **Rotation** CR,
Drive type Steel



132818 Drive

Replacing: 85540431; -51; 74896591; 9941371
Servicing: 63222000; -4; -30; -34; -38; -130; -134; -135; -138
O.D. 25.80, **I.D.** 11.60, **L.** 62.00,
No. of teeth 9, **Splines** 10, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



132819 Drive

Replacing: 85540141
Servicing: 63222031; -9; -136
O.D. 34.30, **I.D.** 12.00, **L.** 61.80,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



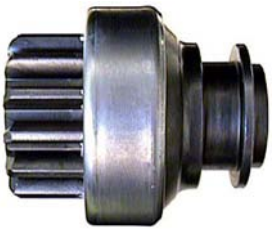
132820 Drive

Replacing: 74894681; 85540441; 9941324
Servicing: 63221831; -2036; -2131; -2133; -2206
O.D. 27.50, **I.D.** 12.00, **L.** 61.90,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



132821 Drive

Replacing: 72159801; 85540151; -91; 1.01.0601.0; 132331; 136459; 79081045
Servicing: 63216731; -41; -818; -831; -852; -896; -7126; -7148; -7154; -7156; -7158; -7186; -7188; -7226; -740
O.D. 34.80, **I.D.** 14.35, **L.** 77.50,
No. of teeth 9, **Splines** 6, **Drive type** Steel



132852 Drive

Replacing: 54268140; tnb167; 85541459; 1.01.0541.0
Servicing: 3M127. 27501A; -B; -E; -31A; -31B; -31D; 27577; 63227501; -67
O.D. 46.00, **I.D.** 16.80, **L.** 70.00,
No. of teeth 13, **Splines** 12, **Drive type** Steel



133591 Drive

Replacing: 54291735; tmb182; 85541389; 1.01.0820.0
Servicing: M79. 26913; 26913A; 26921; -9; 26929A; -B; 26930; 26930A; 26931; 26931A; -B; -5B; 63226921; -35; -36
O.D. 26.55, **I.D.** 12.00, **L.** 50.55,
No. of teeth 10, **Splines** 9, **Rotation** CR,
Drive type Steel



133592 Drive

Replacing: 54290304; -804; tmb172; 85541375; 1812
Servicing: M78R. 26800D; -H; 26903; 26903B; -D; 26907; 26907B; 26909; 26909B; -D; 26923; 26923A; -D; 63226721;
O.D. 29.00, **I.D.** 12.10, **L.** 50.70,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



133683 Drive

Replacing: 54290474; tnb173; 85541470; 1.01.0591.0
Servicing: M127. 27564a; -f; 27576; 63227564; -76
O.D. 31.60, **I.D.** 14.20, **L.** 100.00,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



133841 Drive

Replacing: 8097002; 9939837; 99339837; 1.01.0769.0
O.D. 25.00, **I.D.** 11.50, **L.** 65.30,
No. of teeth 9, **Splines** 12, **Rotation** ACR,
Drive type Steel



133985 Drive

Replacing: 9957965; 72139003
Servicing: 63217121; mt71z
O.D. 33.85, **I.D.** 14.20, **L.** 77.25,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel
w/ lever.



134018 Drive

Replacing: 85540291; 74891391; 74898111
Servicing: 63221405; -35; -536
O.D. 29.30, **I.D.** 11.70, **L.** 65.75,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



134364 Drive

Replacing: 85540321; 85541040; 1.01.0878.0
Servicing: 63223430; -1; -2; -6; -530; -531; -532; -533; LR150-704
O.D. 29.00, **I.D.** 12.00, **L.** 52.55,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



134643 Drive

Replacing: 4141358; 850203; 74703401; 1.01.0560.0
Servicing: 63223800; -2; -7; -30; -32
O.D. 35.00, **I.D.** 16.00, **L.** 87.50,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel
Drive w/ 3 splines: cargo 130437.



134859 Drive

Replacing: 9941306; 83221531; -41; 85540411; 1.01.0786.1
Servicing: 63222831; -2; -3; -6; -7; -8; -97; -3031; -3032; -3033; -3034
O.D. 25.00, **I.D.** 11.60, **L.** 63.80,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel
Drive only: Cargo 132119.



135117 Drive

Replacing: 85540681; 9946913
Servicing: 63222035; -204; -9035; -92035
O.D. 29.00, **I.D.** 12.00, **L.** 62.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



135463 Drive

Replacing: 85540861
Servicing: 63223434; -8; -94
O.D. 25.00, **I.D.** 12.00, **L.** 52.55,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



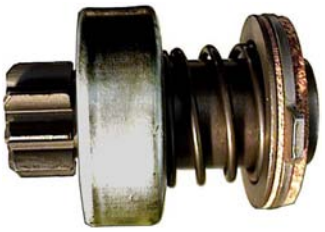
135711 Drive

Replacing: 54292464; tmb196; 85541303; -503; 23312-90j00; 1.01.0863.0
Servicing: M79. 26667; 63226667; -7043
O.D. 28.20, **I.D.** 12.00, **L.** 48.30,
No. of teeth 8, **Splines** 9, **Rotation** CR,
Drive type Steel



135717 Drive

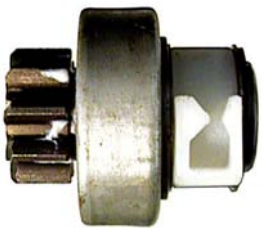
Replacing: 9945556; 85540971; 85541780; 1.01.0779.0; 9948346
Servicing: 63101000; -2; -8; -2003; -2004; -2007; -2008; -3002; -3003; -3008; -3025; -3026; -3028; 63222889; -
O.D. 25.80, **I.D.** 11.60, **L.** 64.00,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel



135762 Drive

Replacing: 74891611; 85540121
Servicing: 63221438; -630; -635
O.D. 25.20, **I.D.** 11.60, **L.** 65.70,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



136257 Drive

Replacing: 85540881; 1.01.0969.0
O.D. 27.80, **I.D.** 12.00, **L.** 53.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel
Drive w/ lever: Cargo 138167.



136770 Drive

Replacing: 54291022; tmb173; 85541381
Servicing: M78R. 26801; 26801B; -F; 63226801
O.D. 25.40, **I.D.** 12.00, **L.** 56.00,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



138167 Drive

Replacing: 85541030; 138167
Servicing: 63111000; 63223435; -639
O.D. 27.80, **I.D.** 12.00, **L.** 53.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel
Drive only: Cargo 136257.



138533 Drive

Replacing: 85541080; 138533
Servicing: 63223039; -93039
O.D. 24.90, **I.D.** 11.60, **L.** 60.85,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



138752 Drive

Replacing: 72138802; 139752
Servicing: 63216876; -7138; mt68pa; -71fa
O.D. 40.65, **I.D.** 14.35, **L.** 77.30,
No. of teeth 11, **Splines** 6, **Rotation** CR,
Drive type Steel
w/ lever.



138791 Planet Gear

Replacing: 85541240; -90
Servicing: 63111005; -7; -8; -9; -23; -27; -3002; -93001; 63223537; -730
L. 120.35, **Splines** 10, **Rotation** CR



138793 Drive

O.D. 28.25, **I.D.** 11.85, **L.** 50.50,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel
Drive w/ lever: Cargo 231216.



138865 Drive

Replacing: 85541100
Servicing: 63223103; -4; -30001; -30003; -93103; -93104
O.D. 25.50, **I.D.** 12.00, **L.** 84.80,
No. of teeth 9, **Splines** 6, **Rotation** ACR,
Drive type Steel



138985 Drive

Replacing: 85541160; 9947748
Servicing: 63114008; -10
O.D. 29.00, **I.D.** 12.00, **L.** 64.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



139131 Drive

Replacing: 9986329; 72138902; 72392104; 79035321; 72139002
Servicing: 63216738; -47; -48; -63; -859; -874; mt67da; -b; -fa; -fb; -8ma; -8mb
O.D. 34.50, **I.D.** 14.45, **L.** 106.45,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel
w/ lever.



139655 Drive

Replacing: 85541280; 1.01.0999.0; 85541870; 232201
Servicing: 63101015; -3007; -3008; -3015; -3022; -3023; -3024
O.D. 23.50, **I.D.** 11.45, **L.** 64.00,
No. of teeth 8, **Splines** 12, **Rotation** CR,
Drive type Steel
Drive w/ lever: Cargo 230804.



139710 Drive

Replacing: f5bu11350aa; 54294813; 1.01.0975.0; 54294817
Servicing: 63223538; -93538
O.D. 54.30, **I.D.** 12.00, **L.** 50.70,
No. of teeth 23, **Splines** 10, **Rotation** CR,
Drive type Steel



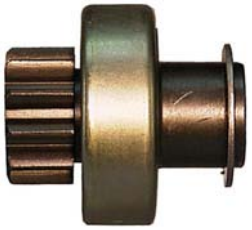
139848 Drive

Replacing: 72399502; 1.01.0689.0
Servicing: 63216814; -7106; mt68p; -71f
O.D. 40.50, **I.D.** 14.00, **L.** 77.55,
No. of teeth 11, **Splines** 6, **Rotation** CR,
Drive type Steel



139900 Drive

Replacing: 85541050; 85540831
Servicing: 63223433
O.D. 27.35, **I.D.** 12.00, **L.** 53.25,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



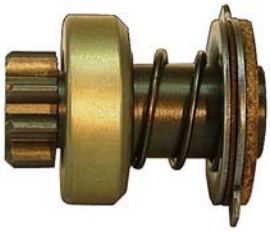
139901 Drive

Replacing: 85541250; -680; -690; 236748
Servicing: 63111008; -9; -27; -2003; -3003; -3004
O.D. 29.65, **I.D.** 12.00, **L.** 50.90,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



139902 Drive

Replacing: 9948135; 83226569; 85541700; 1.01.1025.0
Servicing: 63114014
O.D. 35.00, **I.D.** 12.00, **L.** 64.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



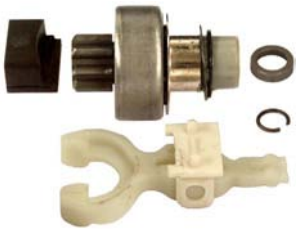
230025 Drive

Replacing: 85540401; 1.01.0912.0
Servicing: 63223209; -39
O.D. 29.40, **I.D.** 12.00, **L.** 64.80,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



230757 Drive

Replacing: 9941300; 85540381; 1.01.0786.2
Servicing: 63101003; 63221800; -34; -90; -92
O.D. 25.20, **I.D.** 11.60, **L.** 63.55,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel
Drive only: Cargo 132119.



230804 Drive

Replacing: 85541710
Servicing: 63101015; -2018
O.D. 23.50, **I.D.** 11.55, **L.** 64.00,
No. of teeth 8, **Splines** 12, **Rotation** CR,
Drive type Steel
Drive only: Cargo 139655.



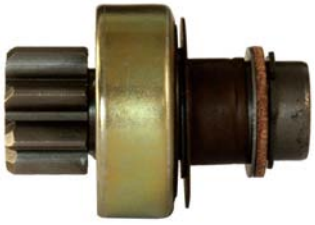
231216 Drive

Replacing: 85541270
Servicing: 63111005; -7; 631211005; 63223537; -730
O.D. 28.60, **I.D.** 12.10, **L.** 50.65,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel
Drive only: Cargo 138793.



231330 Drive

Replacing: 4988518; 1.01.0561.0; 231330
O.D. 34.20, **I.D.** 14.00, **L.** 77.00,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel



231414 Drive

Replacing: 85541220
Servicing: 63102000; -92000; 63223106
O.D. 26.00, **I.D.** 11.60, **L.** 63.90,
No. of teeth 8, **Splines** 12, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



231478 Drive

Replacing: 85541390; 2100
Servicing: 63101007; -91007
O.D. 25.00, **I.D.** 11.00, **L.** 57.85,
No. of teeth 9, **Splines** 12, **Drive type** Steel



231899 Drive

Replacing: 85541300
Servicing: 63113002; -93001
O.D. 35.00, **I.D.** 12.00, **L.** 50.00,
No. of teeth 11, **Splines** 10, **Rotation** CR, **Drive type** Steel



233331 Drive

Replacing: 54294771
O.D. 27.95, **I.D.** 12.10, **L.** 65.40,
No. of teeth 8, **Splines** 10, **Rotation** CR, **Drive type** Steel



233945 Drive

Replacing: 85541180
Servicing: 63223304
O.D. 26.30, **I.D.** 12.00, **L.** 80.00,
No. of teeth 9, **Splines** 12, **Rotation** ACR, **Drive type** Steel



233946 Drive

Replacing: 85541810; -750
Servicing: 63111016; -7; -36
O.D. 25.15, **I.D.** 12.00, **L.** 47.65,
No. of teeth 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



234921 Drive

Replacing: 72397101
Servicing: 63216703; -26; -801; -808; -826; -873; -7104; -7105; mt67aa; -b; -c; mt67c; mt68aa; -b; -c; mt68h;
O.D. 34.50, **I.D.** 14.20, **L.** 77.15,
No. of teeth 9, **Splines** 6, **Drive type** Steel
w/ lever. Drive only: Cargo 131109.



234922 Drive

Replacing: 72139007
Servicing: 63216727; -40; -827; -898; -7118; -7119; -7147; mt67ac; -ca; -8ac; -8lb; -71da; mt71t; -U
O.D. 34.45, **I.D.** 14.20, **L.** 77.35,
No. of teeth 9, **Splines** 6, **Drive type** Steel
w/ lever. Drive only: Cargo 131109.



235427 Drive

Replacing: 54295253
Servicing: 26688; -7041; 63226688; -7041
L. 48.00, **No. of teeth** 10, **Splines** 9



235428 Drive

Replacing: 85541370
Servicing: 26950; 63226849; -950
O.D. 36.00, **L.** 52.00, **No. of teeth** 11, **Splines** 9, **Rotation** ACR

235623 Drive

Replacing: tlb121; 1882549; 1885103; 1909855; -85; d2011
Servicing: 1107743; -949; -950; -959; -9451; -9458; -9659
I.D. 15.90, **L.** 135.00, **No. of teeth** 9, **Rotation** ACR



235663 Drive

Replacing: 235663; 2391
Servicing: 2873k404; -5; 63280040; -1
O.D. 40.63, **I.D.** 28.50, **L.** 73.14,
No. of teeth 10, **Splines** 10, **Rotation** ACR, **Drive type** Steel



239080 Drive

Replacing: 85553621; 2398
Servicing: 428000-1640; 63280091
O.D. 30.00, **L.** 43.23, **No. of teeth** 11, **Splines** 10

Drive Parts

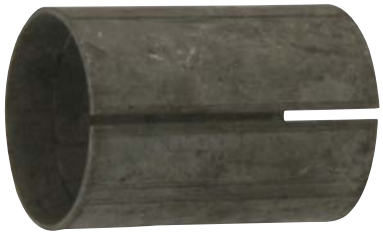
Pkg 100



134763 DP Gasket

Th. 2.00, **Material** Rubber

Pkg 10



141271 Insulator B+

Replacing: res9589; 141271

Servicing: 138533; 85541080

O.D. 13.00, **I.D.** 11.90, **L.** 18.20, **Type** Standard, **Material** Metal



231945 Pinion

Replacing: 54-82223; 63906335

O.D. 40.55, **I.D.** 11.15, **H.** 23.60, **No. of teeth** 10, **Splines** 18



231959 Pinion

Replacing: 63907055

Servicing: F81U11000AA; -D; F81Z11002AA; sa-873

O.D. 32.00, **I.D.** 12.00, **H.** 15.00, **No. of teeth** 12, **Splines** 18

Washers

Pkg 10



235237 DP Washer

Servicing: 85541680; -750; -810

Planet Gears



133619 Planet Gear

Replacing: 60600963; 85541451

Servicing: M78R. 26803; -911; -912; -913; -914; -917; -918; -920; -922; -924; -929; 63226912; -35; -42; -48



135712 Planet Gear

Replacing: 54294189; 85540821; -2

Servicing: 63111000; 63223430; -1; -2; -3; -4; -5; -6; -8; -94; -530; -531; -532; -533; -639; -93435

L. 127.25, **Splines** 10



138520 Planet Gear

Replacing: 60600923; 85541377; 54293154; 60601032

Servicing: M78R. 26800; 63226800

L. 115.10, **Splines** 9



138547 Planet Gear

Replacing: 60600947; 85541372

Servicing: 63226801

L. 120.25, **Splines** 9



235308 Gear Housing

Replacing: 235308; res3070

Servicing: 63111001; -5; -6; -7; -8; -18; -37; -2003; -3001; -3002; -91001; 63223535; -6; -7; -8; -730; -93537

O.D. 70.34, **I.D.** 67.09



235730 Gear Shaft

Servicing: 2873k404; -5; 63280040; -1

Front D. 11.95, **L.** 142.90, **No. of splines** 10

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Gear Parts



139126 Gear Housing

Replacing: 74894491

Servicing: 63221831; -2030; -2031; -2034; -2035; -2036; -2038; -2039; -2130; -2131; -2133; -2134; -2135; -2136



139127 Gear Shaft

Replacing: 74894280

Servicing: 63221831; -2030; -2031; -2034; -2035; -2036; -2038; -2039; -2130; -2131; -2133; -2134; -2135; -2136

Rear D. 12.00, **L.** 120.85, **No. of splines** 10



139628 Gear Set

Replacing: 83227000

Servicing: 63114014



230823 Gear Shaft

Front D. 15.00, **L.** 120.00, **No. of splines** 10

Stationary

Pkg 5



232912 Internal Gear

O.D. 61.80, **I.D.** 51.50, **H.** 25.35, **No. of teeth** 59

Gear Covers



139650 DP Disc

Servicing: 85540821

O.D. 55.60, **I.D.** 19.20

Gear Wheels

Pkg 3



230285 Gear Wheel

Servicing: 85540822

O.D. 19.00, **I.D.** 6.00, **H.** 8.40, **No. of teeth** 13

w/ bearing.

Assort. 803009

Pkg 10



233124 Gear Wheel Kit

Servicing: 63223538

O.D. 21.42, **I.D.** 9.97, **H.** 5.58, **No. of teeth** 22

Bushing: 6.00 x 9.97 x 7.90.



233462 Gear Wheel

Servicing: 078911023a; 46406472; 63223438; 7626281

O.D. 58.70, **I.D.** 46.70, **H.** 13.85, **No. of teeth** 36

Gear Plates

Pkg 5



234571 Gear Plate

Servicing: 63111037; 63223538; -93538

O.D. 66.75, **I.D.** 19.00

Levers



131784 Shift Lever

Replacing: 74881280
Servicing: 63221300; -2; -3; -4; -5; -6; -7; -8; -9; -30; -32
L. 98.00



132202 Lever

Replacing: 8087186; 4189399; 74869941
Servicing: 63201000; -2; -4; -70201; -70202; -70205; -70206; -70221; -70223; -70224; -70243
L. 124.70, **Lever** 1

Pkg 5



135335 Lever

L. 110.30, **Lever** 5



139133 Lever

Replacing: 9936627; 74886560
Servicing: 63220505; -6; -35; -36
L. 89.60, **Lever** 1



139134 Lever

Replacing: 4019145; 74868371
Servicing: 63220400; -2; -3; -8; -9; -30; -32; -33; -38; -39
L. 86.20, **Lever** 1



139626 Lever Assy

Replacing: 85541170
Servicing: 63114008; -10; -14
L. 91.80



231133 Lever

Replacing: 07822; 74661460; 74861460
Servicing: 63220700
L. 91.30, **Lever** 1

Lever Parts

Pkg 5



139886 Lever Part

Servicing: 83221531; -41; 85540321; -411; -1030; -1040

Pkg 5



230420 Lever Support

Servicing: 85541160
O.D. 45.90, **I.D.** 37.55, **Th.** 3.45, **Material** Plastic

---

Clutches



130328 Clutch

Replacing: 2006401903; -4; -8; 2009999032; 5586-123; 02189; 9011087; 9924342; 72294601; 74350265
Servicing: 0001401044; -6; -9; -50; -67; -69; -71; -73; -2008; -2018; -2050; -2054; -2065; -2081; 63211627; -6



130329 Clutch

Replacing: 2006401900; 2009999036; 02982; 74350261; 15475-1
Servicing: 0001501001; -3; -5; -14; -15; -19; -20; -35; -39; -42; 63211627; -65; -69; -77; BPD6/24AR163; -80;

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Brush Gears



131184 Brush Box

Replacing: 2004336027; 11850; 79026095; 2001329907

Servicing: 0001362034; -5; -6; -7; -8; -9; -40; -41; -42; -43; -45; -46; -47; -48; -49; -50; -51; -52; -53; -5

Brush With, **Spring terminal** With
w/ neg. Brushes. Brush set: BSX974.



132303 Brush Holder

Replacing: 2004336028; -67; 9917925; 9959566; 79033957; 2004336044

Servicing: 0001367001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20;

Brush With, **Spring terminal** With
w/ neg. brushes. Brush set: Cargo BSX134-1444.



132304 Brush Gear

Replacing: 2004336026; 79044568

Servicing: 0001363103; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -16; -17; -20; -22; -23; -25; -26; -28; -30

Brush w/o, **Brush gear** 1, **Spring terminal** With
w/ neg. Brushes. Brush set: Cargo BSX1164.



134041 Brush Gear

Replacing: 72164701

Servicing: 63216817; -8; -31; -52; -84; -96; mt68ad; -lc

Brush w/o, **Brush gear** 1, **Spring terminal** w/o
Brush set: Cargo MASX15-16 4. Spring: Cargo 234678.



134291 Brush Gear

Replacing: 99036046; 74881151; 74891101

Servicing: 63221330; -2; -3; -4; -5; -8; -430; -431; -433; -434; -435; -436; -438; -530; -531; -532; -533; -53

Brush With, **Brush gear** 1,
Spring terminal With
Neg. brushes. Brush set: Cargo jsx21-22 4.



134670 Brush Gear

Replacing: 7984628; 72165001

Servicing: 63216731; -41; mt67ad; -cb

Brush With, **Brush gear** 1,
Spring terminal With
Neg. brushes. Brush set: Cargo MASX21-22 4.



134681 Brush Gear

Replacing: 72362701; 72366601

Servicing: 63216808; -14; -16; -25; -26; -27; -33; -52; -59; -73; -74; -76; -98; mt68ab; -c; mt68q; mt68qa

Brush With, **Brush gear** 1,
Spring terminal With



135242 Brush Gear

Replacing: 8190402; 72164102

Servicing: 63217226; mt72ab

V. 24, **Brush** With, **Brush gear** 1,
Spring terminal With
Neg. brushes. Brush set: Cargo MASX27-28 4.



135565 Brush Gear

Replacing: 54294440; -4; 83220461; 83222681; 83226683; 83227226; -131; -60

Servicing: 63111000; -1; -5; -7; -8; -9; -16; -17; -23; -27; -36; -3002; -3003; -3004; -93001; 63223430; -1; -

Brush w/o, **Brush gear** 1, **Spring terminal** w/o
Brush set: Cargo jsx33-35 4. Spring: Cargo 138639.



135604 Brush Gear

Replacing: 135771; 72164101; 135604

Servicing: 63217126; -48; -54; -56; -58; -63; -80; -86; -88; -407; -408; -410; -425; -433; -447; mt71ab; -db;

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo MASX25-26 4.



135823 Brush Gear

Replacing: 9941465; 85540391

Servicing: 63223235; -6; -7; -8; -9; -330; -331; -332

Brush With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo jsx23-24-28.



136165 Brush Gear

Replacing: 72383101

Servicing: 63217104; -5; -6; -7; -8; -10; -12; -16; -17; -18; -19; -20; -21; -25; -38; -47; -73; -82; -401; -4

Brush With, **Brush gear** 1, **Spring terminal** With



136204 Brush Gear

Replacing: 83221241; 83224461; 83225359; 83226216

Servicing: 63102000; -3; -4; -7; -8; -3002; -3003; -3007; -3008; -3015; -92000; 63222831; -2; -3; -6; -7; -8;

Brush With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo jsx35-374.

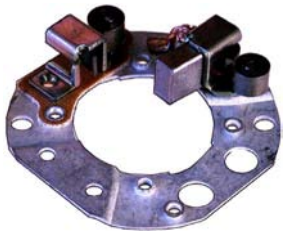


136734 Brush Gear

Replacing: 72362601

Servicing: 63216701; -2; -3; -4; -6; -7; -10; -26; -27; -33; -38; -40; -47; -48; -63; mt67ab; -c; mt67b; mt67b

V. 24, **Brush** With, **Brush gear** 1, **Spring terminal** With



138534 Brush Gear

Replacing: 83225326

Servicing: 63101000; -2; -8; 63201008; -22889; -22897; -22905; -22908; -22909; -22936; -23104; -23109; -23200;

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo jsx38-412.



138535 Brush Gear

Replacing: 83225886

Servicing: 63103022; -3; -4; -5; -6; 63223039; -304; -93039

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo jsx43-45-574.



138537 Brush Gear

Replacing: 85540341; -691

Servicing: 1100389; 63221831; -2030; -2031; -2034; -2035; -2036; -2038; -2039; -2130; -2131; -2133; -2134; -21

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

2.2 kW. Neg. brushes. Brush set: Cargo jsx31-32.



138538 Brush Gear

Replacing: 85540351

Servicing: 1117116; -9; -25; -26; -27; 63101003; 63221830; -2; -4; -90; -92

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: Cargo jsx21-22.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



139627 Brush Gear

Replacing: 83226336
Servicing: 2873k404; -5; 63114014
V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With
2.6 kW. Neg. brushes. Brush set: Cargo jsx31-32.

Brush gears parts

Pkg 25



133967 Insulator

Insulator 25

Pkg 5



139838 Washer

O.D. 42.75, **I.D.** 16.00, **Th.** 1.00, **Material** Steel

Brush Holders

Pkg 10



134115 Brush Holder

Replacing: 74893830
Servicing: 63221800; -30; -31; -32; -34; -90; -92
Brush w/o, **Spring terminal** With
w/ bracket.

Pkg 10



134798 Brush Holder

Replacing: 74894441
Servicing: 63114008; -10; 63222000; -1; -30; -34
Brush w/o, **Spring terminal** With
w/ bracket.

Brush Springs

Pkg 10



135768 Brush Spring

Replacing: 72364310
Servicing: 63201004; mt71d; mt71da; mt71e; -t
O.D. 16.15, **L.** 29.35

Pkg 10



135769 Brush Spring

Replacing: 74703210
O.D. 14.00, **L.** 29.30

Pkg 10



135770 Brush Spring

Replacing: 72363110
Servicing: mt67ac; -8ac
O.D. 15.65, **L.** 30.75
Assort. 803041

Pkg 10



138639 Brush Spring

Servicing: 63111001; 63223537
O.D. 10.90, **L.** 22.30
Assort. 803041

Pkg 10



234678 Brush Spring

Servicing: mt67ad; -cb; -8ad; -8lc
O.D. 15.50, **L.** 28.10

Brush Sets



141094 Brush Set

V. 12, **L.** 16.93, **Th.** 6.94, **H.** 7.85,
No. of brushes 2



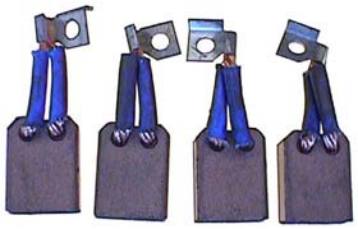
jsx134 Brush Set

Replacing: 9084040; 13784-59; 13784-7; 4045771; 4475185; 16.905.218; 74866041; 74874701
Servicing: MTD12-1; MTD12-14; -8; -9; MTR12-1; -6; -24-2; -24-7
V. 12, **L.** 19.90, **Th.** 6.95, **H.** 15.85,
No. of brushes 4
Assort. 803021



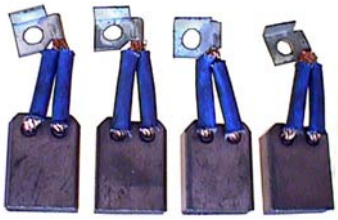
jsx162 Brush Set

Replacing: 13784-37; 4114432; 4255496; 16.905.108; -421; 74861781; 74868181
Servicing: 11.130.007; -29; -34; -85; -102; -155; -162; -166; -217; -218; -219; -234; -292; 63220700; -32; -35
V. 12, **L.** 18.95, **Th.** 7.95, **H.** 16.90,
No. of brushes 2
Assort. 803021



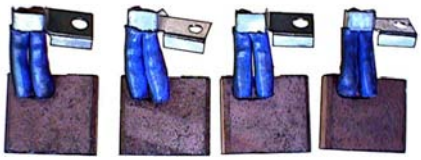
jsx184 Brush Set

Replacing: 4174892; 74838701
Servicing: 63224580
V. 24, **L.** 28.10, **Th.** 9.90, **H.** 21.95,
No. of brushes 4
Assort. 803021



jsx194 Brush Set

Replacing: 4185547; 74846001
Servicing: 63224600; -2; -91
V. 12, **L.** 27.72, **Th.** 9.83, **H.** 21.92,
No. of brushes 4
Assort. 803021



jsx204 Brush Set

Replacing: 4073386; 74734101
Servicing: 63224301; -2; -98; -5301; -5303; -5391; -5398; -6300; -6302; -6391
V. 24, **L.** 29.95, **Th.** 11.20, **H.** 34.90,
No. of brushes 4



jsx21-22 Brush Set

Replacing: 74880941; 74881121
Servicing: 63221633
V. 12, **L.** 17.50, **Th.** 6.00, **H.** 12.90,
No. of brushes 4
Assort. 803021



jsx23-24-28 Brush Set

Replacing: jsx23-24-28
V. 12, **L.** 20.10, **Th.** 6.90, **H.** 15.40,
No. of brushes 4
Assort. 803021



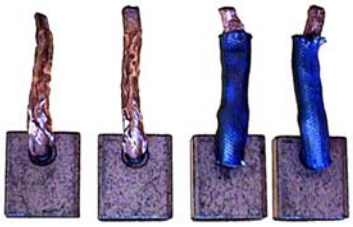
jsx29-302 Brush Set

Replacing: 74893801; -11
V. 12, **L.** 17.72, **Th.** 5.92, **H.** 12.96,
No. of brushes 2



jsx31-32 Brush Set

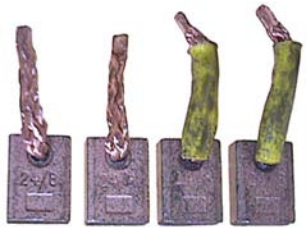
Replacing: 7489438/1; -9/1
Servicing: 2873k404; -5
V. 12, **L.** 17.89, **Th.** 7.94, **H.** 18.80,
No. of brushes 4
Assort. 803021



jsx33-344 Brush Set

Replacing: 832220401; -11; jsx33-344
V. 12, **L.** 16.55, **Th.** 5.95, **H.** 14.90,
No. of brushes 4
Assort. 803021

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



jsx35-364 Brush Set

Replacing: jsx35-364
V. 12, **L.** 17.30, **Th.** 6.95, **H.** 12.90,
No. of brushes 4
Assort. 803021



jsx35-374 Brush Set

Replacing: jsx35-374
V. 12, **L.** 17.30, **Th.** 6.95, **H.** 12.90,
No. of brushes 4
Assort. 803021



jsx38-39-403 Brush Set

Replacing: jsx38-39-403
V. 12, **L.** 17.50, **Th.** 6.50/6.80, **H.** 12.90,
No. of brushes 3



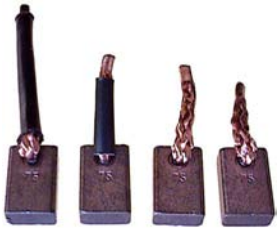
jsx38-412 Brush Set

Replacing: jsx38-412
V. 12, **L.** 17.55, **Th.** 6.80, **H.** 12.90,
No. of brushes 2



jsx40-46-474 Brush Set

Replacing: jsx40-46-474
V. 12, **L.** 17.40, **Th.** 6.95, **H.** 12.90,
No. of brushes 4



jsx43-45-444 Brush Set

Replacing: jsx43-45-444
V. 12, **L.** 19.35, **Th.** 6.95, **H.** 12.95,
No. of brushes 4



jsx51-52-593 Brush Set

Replacing: jsx51-52-593
V. 12, **L.** 19.30, **Th.** 6.95, **H.** 7.90,
No. of brushes 3



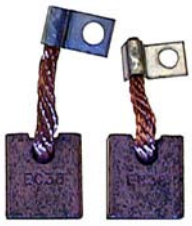
jsx51-52-634 Brush Set

Replacing: jsx51-52-634
V. 12, **L.** 19.30, **Th.** 6.90, **H.** 7.90,
No. of brushes 4



jsx51-522 Brush Set

Replacing: jsx51-522
V. 12, **L.** 19.30, **Th.** 6.90, **H.** 7.90,
No. of brushes 2



jsx52 Brush Set

Replacing: 8084046; 13784-5; 13784-68; 4259228; 16.905.225; 74868171
Servicing: 11.130.134; -43; -266; -314; 63201000; -1; -2; -3; -4; -5; -101; -20107; -20108; -20137; -20138; -2
V. 6, **L.** 16.99, **Th.** 5.95, **H.** 15.90,
No. of brushes 2
Assort. 803021



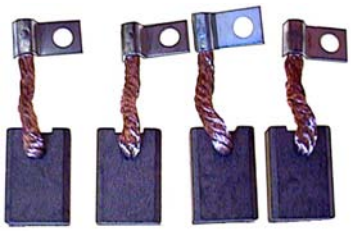
jsx53-54 Brush Set

Replacing: jsx53-54
V. 12, **L.** 19.94, **Th.** 7.87, **H.** 18.93,
No. of brushes 4



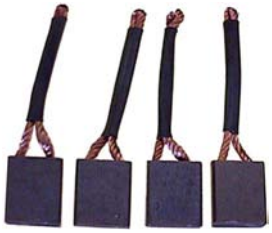
jsx61-62-634 Brush Set

Replacing: jsx61-62-634
V. 12, **L.** 19.30, **Th.** 6.90, **H.** 7.90,
No. of brushes 4



jsx94 Brush Set

Replacing: 853160; 74702610
Servicing: 63223800; -2; -7; -30; -32
V. 24, **L.** 20.11, **Th.** 6.44, **H.** 13.88,
No. of brushes 4
Assort. 803021



lasx314 Brush Set

Replacing: 54258592; tab119; 85541476
Servicing: M50. 26211A; -L; -M; -T; -U; -91A; -91D; -91E; -338A; -338B; -338D; -338F; -339A; -339B; -339D; -339
V. 12, **L.** 22.55, **Th.** 7.90, **H.** 18.95,
No. of brushes 4
Assort. 803024



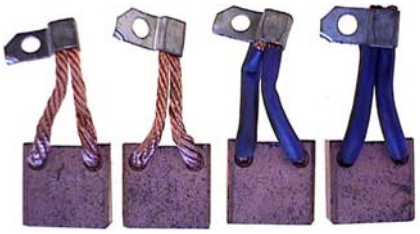
lasx364 Brush Set

Replacing: 54259517; tab118; 85541333
Servicing: M50, M127. 63227570; -92; -606
V. 12, **L.** 24.25, **Th.** 8.95, **H.** 19.90,
No. of brushes 4
Assort. 803024



masx13-144 Brush Set

Replacing: 9927791; -2; 72363201/02; 72363201; -2
Servicing: 63216701; -2; -3; -4; -6; -7; -10; -26; -27; -33; -38; -40; -47; -48; -63
V. 24, **L.** 23.50, **Th.** 7.80, **H.** 24.85,
No. of brushes 4
Assort. 803021



masx15-164 Brush Set

Replacing: 9928448; 9929080; 72363203/04; 72363205/06; 72363207
Servicing: 63216815; -51
V. 12, **L.** 23.55, **Th.** 9.75, **H.** 24.95,
No. of brushes 4
Assort. 803021



masx17-184 Brush Set

Replacing: 9935196/97; 9956552; -6; 72383701/02
V. 12, **L.** 23.00, **Th.** 8.75, **H.** 15.95,
No. of brushes 4
Assort. 803021



masx19-204 Brush Set

Replacing: 72383703/04; 72383705/06
V. 24, **L.** 23.10, **Th.** 8.80, **H.** 15.85,
No. of brushes 4
Assort. 803021



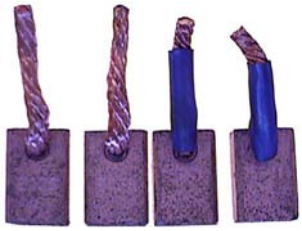
masx21-224 Brush Set

Replacing: 72162401; -2
L. 23.35, **Th.** 7.75, **H.** 24.90,
No. of brushes 4
Assort. 803021



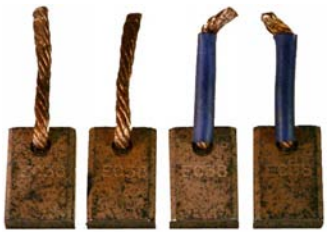
masx23-244 Brush Set

Replacing: 62165801; 72162403; -4
Servicing: 63216817; -8; -31; -52; -61; -84; -96
V. 12, **L.** 23.55, **Th.** 9.85, **H.** 24.85,
No. of brushes 4
Assort. 803021



masx25-264 Brush Set

Replacing: masx25-264; 72161301; -2
V. 12, **L.** 23.00, **Th.** 8.80, **H.** 15.90,
No. of brushes 4
Assort. 803021



masx27-284 Brush Set

Replacing: masx27-284; 72161303; -4
V. 24, **L.** 23.00, **Th.** 8.80, **H.** 15.90,
No. of brushes 4
Assort. 803021

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Bushings

Pkg 10



140046 Bearing Bushinging

Replacing: 9084020; 4007952; -72; 637403; 9925774; 74705710

O.D. 16.00, **I.D.** 12.00, **L.** 16.90, **Material** Copper
Assort. 803020

Pkg 10



140047 Bearing Bushinging

Replacing: 4114442; 74860380

O.D. 14.02, **I.D.** 10.05, **L.** 15.00, **Type** Standard, **Material** Copper
Assort. 803020

Pkg 10



140048 Bearing Bushinging

Replacing: 4114431; 9932916; 74860300

Servicing: 63111001; 63223537

O.D. 16.00, **I.D.** 12.00, **L.** 13.90, **Material** Copper
Assort. 803020

Pkg 10



140049 Bearing Bushinging

Replacing: 9085020; 4047985; 74866140

O.D. 16.00, **I.D.** 12.00, **L.** 24.00, **Type** Standard, **Material** Copper
Assort. 803020

Pkg 10



140050 Bearing Bushinging

Replacing: 672541; 8084316; 908431; 9916076; 17.120.057; 74868210

Servicing: 63223200

O.D. 14.02, **I.D.** 10.08, **L.** 13.50, **Type** Standard, **Material** Copper
Assort. 803020

Pkg 10



140065 Bearing Bushinging

Replacing: 850208; 74705810; 047852

O.D. 18.05, **I.D.** 14.07, **L.** 20.15, **Type** Standard, **Material** Copper
Assort. 803033



140107 Bearing Bushinging

Replacing: mdma67l505z; mdmb67l505z

Collar O.D. 50.12, **O.D.** 40.10, **I.D.** 34.54, **L.** 43.26, **Material** Steel

---

Pkg 10



140109 Bearing Bushinging

Replacing: 09203; 4169942; 74825410

O.D. 22.00, **I.D.** 16.12, **L.** 19.00, **Type** Standard, **Material** Copper
Assort. 803020

Pkg 10



140110 Bearing Bushinging

Replacing: 09200; 4169954; 74826710

O.D. 22.00, **I.D.** 16.20, **L.** 28.95, **Type** Standard, **Material** Copper
Assort. 803020

Pkg 10



140174 Bearing Bushinging

Replacing: 4073385; 74734010

O.D. 21.00, **I.D.** 16.20, **L.** 34.65, **Material** Copper
Assort. 803020

Pkg 10



140200 Bearing Bushinging

Replacing: 9927787; 72362510; 140200

O.D. 18.55, **I.D.** 12.60, **L.** 19.70, **Material** Copper
Assort. 803020

Pkg 10



140201 Bearing Bushinging

Replacing: 9927796; 72365010

O.D. 24.00, **I.D.** 20.27, **L.** 13.75, **Type** Standard, **Material** Copper
Assort. 803020

Pkg 10



140202 Bearing Bushinging

Replacing: 9927783; -9; 62362910; 72362910; 140502

O.D. 20.00, **I.D.** 14.20, **L.** 11.90, **Material** Copper
Assort. 803020

Pkg 10

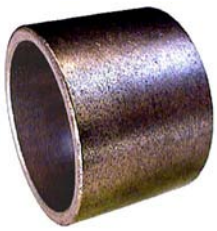


140211 Bearing Bushinging

Replacing: 4073396; 74798210

O.D. 24.00, **I.D.** 18.00, **L.** 27.90, **Material** Copper
Assort. 803020

Pkg 10



140213 Bearing Bushinging

Replacing: 4073399; 74735510

O.D. 33.01, **I.D.** 28.18, **L.** 24.00, **Material** Copper

Pkg 10



140268 Bearing Bushinging

Replacing: 9936044; 74881110; 140268

O.D. 16.00, **I.D.** 12.00, **L.** 11.80, **Material** Copper
Assort. 803020

Pkg 10



140269 Bearing Bushinging

Replacing: 3835-38; 9938364; -8; 74887310; 140269

O.D. 16.00, **I.D.** 12.00, **L.** 16.75, **Type** Standard, **Material** Copper
Assort. 803020

Pkg 10



140270 Bearing Bushinging

Replacing: 74887810; -90

O.D. 16.00, **I.D.** 12.00, **L.** 11.30, **Type** Standard, **Material** Copper
Assort. 803020

Pkg 10



140452 Bearing Bushinging

Replacing: 74827010

O.D. 29.15, **I.D.** 24.10, **L.** 17.95, **Material** Copper

Pkg 10



140614 Bearing Bushinging

O.D. 18.15, **I.D.** 15.10, **L.** 11.80, **Type** Standard, **Material** Copper
Assort. 803020

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



140653 Bearing Bushinging

Servicing: 63111001; 63223537
O.D. 12.00, **I.D.** 8.10, **L.** 8.75, **Material** Copper
Assort. 803020

Pkg 10



140654 Bearing Bushinging

O.D. 23.05, **I.D.** 18.16, **L.** 7.43, **Type** Standard, **Material** Copper
Assort. 803020

Pkg 10



140690 Bearing Bushinging

O.D. 13.45, **I.D.** 11.50, **L.** 23.05, **Material** Copper
Assort. 803020

Pkg 10



140710 Bearing Bushinging

O.D. 23.00, **I.D.** 18.00, **L.** 7.20, **Type** Standard, **Material** Copper
Assort. 803020



140827 Bushinging Kit

Pkg 10



140947 C.E. Bearing Bushinging

Servicing: M1T79481
Collar O.D. 14.40, **O.D.** 11.50, **I.D.** 8.10, **L.** 9.85, **Type** Standard, **Material** Copper

Pkg 10



140948 Bearing Bushinging

O.D. 18.20, **I.D.** 15.00, **L.** 13.95, **Type** Standard, **Material** Copper

Pkg 10



141017 Bearing Bushinging

O.D. 23.00, **I.D.** 18.03, **L.** 9.20, **Material** Copper

Pkg 10



141091 Bushinging

Collar O.D. 14.10, **O.D.** 11.55, **I.D.** 8.15, **L.** 9.00, **Material** Copper

Pkg 10



141092 Bushinging

O.D. 14.00, **I.D.** 11.15, **L.** 13.90, **Material** Copper

Pkg 10



141197 Bushinging

O.D. 23.07, **I.D.** 18.00, **L.** 9.06, **Material** Copper

Bearings

Needle Bearings

Pkg 10



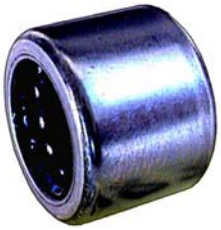
140421 Needle Bearing

Replacing: 10469066; 9441607; 74905910; sce78; j78

Servicing: 5MT. 10455001; -6; -8; -9; -12; -13; -15; -24; -42; -45; -46; -47; -51; -52; -61; -64; -66; -67; -70

O.D. 15.90, **I.D.** 11.13, **L.** 12.70,
No. of rollers 15
Closed end.
Assort. 802035

Pkg 5



140483 Needle Bearing

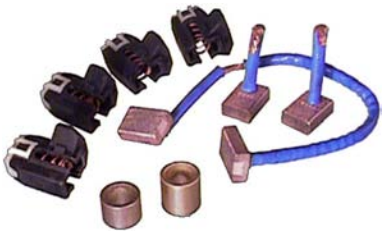
Replacing: hk1214rs; 140483

O.D. 18.00, **I.D.** 12.00, **L.** 14.00,
No. of rollers 14
Assort. 802035

Repair Kits



134029 Repair Kit



138373 Repair Kit

Servicing: 63221800



138374 Repair Kit

Servicing: 63221801; -2000; -2001

Sundry Parts

Pkg 5



133851 Bracket

Servicing: mt71e



133911 Stop Collar Kit

For 16 mm shaft.



133912 Stop Collar Kit

For 11.50 mm shaft.



133913 Stop Collar Kit

For 14 mm shaft.



134604 Brush Cover

O.D. 95.00, **H.** 32.00, **Mount. hole 1** 5.30

Pkg 10



135359 Stop Collar Kit

Servicing: 028000-3710; -4330; -4331; -4332; -6420; -6421; M1T79481; -2

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

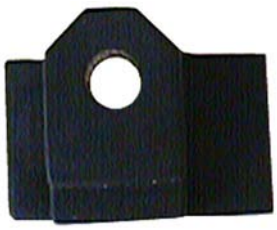
Pkg 10



135644 Pole Shoe Screw

Replacing: 883323; 74751110
Servicing: 74751110
Thread L. 7.40, **L.** 12.10, **Thread** M10

Pkg 10



135969 Grommet

Assort. 803040

Pkg 5



136321 Insulator

Insulator 5



138246 Washer Kit

Th. 0.40

Pkg 5



138486 Gasket

Servicing: Gasket for cover: cargo 137738.
L. 66.45, **Th.** 0.50, **W.** 40.20

Pkg 10



138767 Brake Washer

O.D. 24.00, **I.D.** 10.00, **Th.** 1.50, **Material** Fiber

Pkg 10



139526 Grommet

Pkg 10



139882 Pole Shoe Screw

Thread L. 9.30, **L.** 14.00, **Thread** M10

Pkg 5



139889 Spacer

Servicing: 63221431
O.D. 22.00, **I.D.** 6.40, **Th.** 17.75, **Material** Steel

Pkg 10



231559 Grommet

Pkg 10



232065 Dust Cover

Servicing: M79, M80.
O.D. 15.95, **H.** 5.13

Pkg 10



232176 DP Washer

Replacing: 135044; 232176
O.D. 45.75, **I.D.** 27.90, **Th.** 14.60, **Material** Metal



232849 Rubber Gear Ring

O.D. 54.85, **I.D.** 38.40, **L.** 9.30, **Material** Rubber



233827 Washer Kit

Servicing: 63216725; -6; -800; -814; -825; -7201; mt62ba; mt67a; mt67ab; -ca; -da; -db; mt68a; mt68aa; -b; -c;

O.D. 37.10, **Th.** 7.00, **Material** Steel

Pkg 10



234952 Gasket

Servicing: 63321671; -8; -9; -711; -723; 63321730b; 63321733; -40; -41; -46; -58; -78; -823; -829; -898; -4167

L. 36.85, **Th.** 1.90, **W.** 26.75



235083 Spring

Replacing: tlb168

Servicing: M35G, -J.

O.D. 32.30, **L.** 27.20



236184 Washer Kit

C.E. Covers



133668 Cover

O.D. 118.00, **H.** 38.10



134848 C.E. Cover

Servicing: mt71d; mt71da; mt71t

O.D. 117.15, **H.** 38.55



137738 Cover

Servicing: mt71ta

O.D. 64.90, **H.** 9.20

Pkg 5



138487 C.E. Cover

Servicing: 63223035

Oil Seals

Pkg 10



235524 Oil Seal

Servicing: 63216747; -8; -874

O.D. 50.00, **I.D.** 35.00, **H.** 7.00

Thru Bolts

Pkg 10



231378 Thru Bolt

L. 181.25, **Thread size front** M6, **Thread size rear** M6

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



232066 Thru Bolt

Servicing: M78R.

L. 136.15, **Thread size front** M6, **Thread size rear** M6

Pkg 10



232067 Thru Bolt

Servicing: M78R.

L. 151.00, **Thread size front** M6, **Thread size rear** M6

Armatures



131929 Armature

Replacing: 443930158061; 0158061
Servicing: 443115144702; -22; -42; -63; 9144702; -3; -22; -42; -43; -44; -63; -64; -820; -821
V. 12, **kW.** 3.0, **Core OD** 75.00, **Shaft L.** 324.40, **Splines** 12, **Rotation** CR



132383 Armature

Replacing: 443930154860; 443937150600
Servicing: 9142110
V. 12, **kW.** 0.6, **Core OD** 57.95, **Shaft L.** 249.50, **Splines** 12, **Rotation** CR
Commutator: Cargo b134593.



132937 Armature

V. 12, **kW.** 0.8, **Core OD** 58.00, **Shaft L.** 250.00, **Splines** 12, **Rotation** ACR
Commutator: Cargo b134593.



136265 Armature

Replacing: 443937150880; 7150882
Servicing: 443115141310; -1; -20; 9141310; -1; -2; -7; -9; -20; -25; -26; -27; -31; -71; -80; -81; -82; -83; -
V. 12, **kW.** 1.0, **Core OD** 49.00, **Shaft L.** 131.00, **No. of teeth** 12



231680 Armature

Replacing: 443937151540; 7151540; -2
Servicing: 443115142700; -1; -2; -4; -8; -9; -21; -22; -23; -26; -40; -63; -80; -801; -802; -840; 443115840; 9
V. 12, **kW.** 3.0, **Core OD** 60.00, **Shaft L.** 168.00, **Splines** 12

Yokes



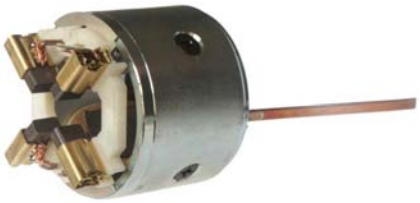
134803 Yoke Assy

Replacing: 443937150161; 7150161
Servicing: 4,4311514235e+011
V. 12, **kW.** 0.8, **O.D.** 92.00, **L.** 100.00, **Brush gear** w/o, **Magnets** w/o



134818 Yoke Assy

Replacing: 443930158331; 443937150411; 0158331
Servicing: 443115142071; -110; -112
V. 12, **kW.** 0.6, **O.D.** 92.10, **L.** 100.00, **Brush gear** w/o, **Magnets** w/o



136269 Yoke Assy

Replacing: 443937150890; 7150892; 7155351
Servicing: 443115141310; -1; 9141310; -2; -7; -9; -71; -90; -91; -92; -93; -96; -410; -411; -412; -413; -414
V. 12, **kW.** 1.0, **O.D.** 74.70, **L.** 54.55, **Brush gear** With, **Magnets** With
Brush gear only: 136449

Field Coils



131931 Field Coil

Replacing: 443930158661; -71; 0158671; -61
Servicing: 44311514442; 443115144702; -22; -42
V. 12, **kW.** 3.0, **H.** 111.75, **Brush gear** w/o

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

D.E. Brackets



136266 D.E. Bracket

Replacing: 443936954930; 6954930

Servicing: 443115141310; -1; 9141310; -1; -99

Belt adj. hole 10.25, **Holder arm** 10.65



231678 D.E. Bracket

Replacing: 6955990; 6956120

Servicing: 443115142780; 9142724; -80; -72780

I.M. Brackets



136268 Gear Cover

Replacing: 443936954940; 6954940

Servicing: 443115141310; -1; -20; 9141310; -1; -2; -7; -9; -20; -25; -26; -27; -81; -82; -83; -90; -91; -92; -

Solenoids



130482 Solenoid

Replacing: 914502

V. 12, **B+** M10, **Coil bolt** M10



130904 Solenoid

Replacing: 443930157911; 0157912

Servicing: 443115142062; -3; -110; -112; -162; 9142063; -110; -112; -350

V. 12, **B+** M10, **Coil bolt** M10

Cap: Cargo 133413.



132120 Solenoid

Replacing: 443930157971; 0157972

Servicing: 443115144702; -22; -24; -42; -63; 9144702; -22; -24; -42; -43; -63; -64

V. 12, **B+** M10, **Coil bolt** M10

Cap: Cargo 135773.



134795 Solenoid

Replacing: 443930150241; 443937150241; 7150242

Servicing: 4,4311514235e+011

V. 12, **B+** M10, **Coil bolt** M10

Cap: Cargo 135773.



136270 Solenoid

Replacing: 113937150870; 443937150870; 7150872

Servicing: 443115141310; -1; -20; 9141310; -1; -2; -7; -9; -20; -25; -26; -27; -71; -80; -81; -82; -83; -90; -

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 139329.



231681 Solenoid

Replacing: 443937151560; 7152560; -762; 7153912; -142; -182; -612; 7154142

Servicing: 443115142700; -1; -2; -23; -40; -80; 9142700; -2; -23; -24; -28; -40; -41; -80; -801

V. 12, **B+** M10, **Coil bolt** M8



235487 Solenoid

Replacing: 7153042

Servicing: 9141394; -5; -6; -9; -413; -414

V. 12



235488 Solenoid

Replacing: 7152822

Servicing: 443115141331; -8; 7141331; -8; 9141331

V. 12, **B+** M8/14.00, **Coil bolt** 3

Dæksel: Cargo 233788.

Solenoid Parts

Coils

Pkg 5



135772 Contact Spring
Replacing: 3,1611611995e+011
Servicing: 4,4393015797e+011
O.D. 10.55, **L.** 12.00

Solenoid Caps



132282 Solenoid Cap
Replacing: 443936150600; 132283
O.D. 54.35, **No. of leads** 3, **Bracket type** Crimp



133413 Solenoid Cap
Replacing: 443930157540; 0157541
Servicing: 4,4393015791e+011
O.D. 55.20, **No. of leads** 4



135773 Solenoid Cap
Replacing: 443930157940; -1; 0157941
Servicing: 4,4393015797e+011
O.D. 55.00, **No. of leads** 3
Moving contact spring: Cargo 135772.



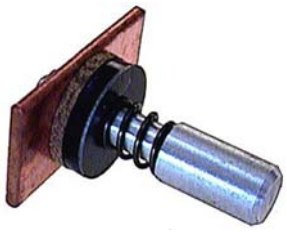
139329 Solenoid Cap
Servicing: 4,4393715087e+011
O.D. 47.65, **No. of leads** 3, **Bracket type** Crimp



233788 Solenoid Cap
Servicing: 443115141331; -8
O.D. 47.50, **No. of leads** 3, **Bracket type** Crimp

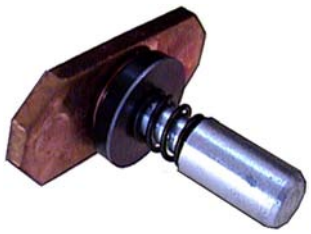
Moving Contacts

Pkg 5



133412 Moving Contact
Replacing: 443930157560; 0157561
Th. 2.00, **Shaft** 30.00, **Material** Copper

Pkg 10



136798 Moving Contact
Replacing: 443930157960; -1; 0157961
Th. 3.00, **Shaft** 31.15, **Material** Copper

Pkg 5



139327 Moving Contact
Servicing: 443115141310; 443937150870
Th. 2.60, **Shaft** 49.55, **Material** Copper

Pkg 10



236082 Moving Contact
Replacing: 7152920
Servicing: 443115141331; -8; 9141331; -8; -94; -95; -99; -413; -414
L. 37.00, **Th.** 2.00, **Shaft** 30.00

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Drives



130728 Drive

Replacing: 443930159230; -1; 1.01.0881.0; 0159231

Servicing: 443115142071; -110; 9142110

O.D. 29.35, **I.D.** 14.60, **L.** 78.50,
No. of teeth 9, **Splines** 12, **Rotation** ACR,
Drive type Steel



130729 Drive

Replacing: 443930154210; -1; 8014251

Servicing: 443115144722; -42; 9144722; -42; -43; -820; -821; -840; -74642; -74662

O.D. 40.70, **I.D.** 14.65, **L.** 91.25,
No. of teeth 11, **Splines** 12, **Drive type** Steel



132941 Drive

Replacing: 443937150171; 1.01.0831.0; 7150171

Servicing: 4,4311514235e+011

O.D. 24.90, **I.D.** 12.55, **L.** 79.50,
No. of teeth 9, **Splines** 12, **Rotation** ACR,
Drive type Steel



133961 Drive

Replacing: 443930154220; 8014241

Servicing: 443115144702; -74602; 9144702; -74602

O.D. 36.20, **I.D.** 14.65, **L.** 91.20,
No. of teeth 9, **Splines** 12, **Drive type** Steel

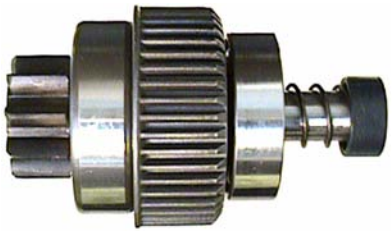


134302 Drive

Replacing: 443937150401; 7150401

Servicing: 443115142112; 9142112; -350

O.D. 29.20, **I.D.** 12.65, **L.** 78.85,
No. of teeth 9, **Splines** 12, **Rotation** ACR,
Drive type Steel



136267 Drive/Clutch Assy

Replacing: 443937150860; 1.01.0892.0; 7150860; 7152860; -960; 7153860

Servicing: 443115141310; -1; 9141310; -1; -27; -31; -91; -92; -93; -94; -95; -96; -99; -430; -87346

O.D. 25.60, **L.** 79.00, **No. of teeth** 9,
Rotation ACR, **Drive type** Steel



231679 Drive

Replacing: 7153180

Servicing: 443115142780; 9142780

O.D. 36.00, **L.** 107.45, **No. of teeth** 10,
Rotation CR, **Drive type** Steel



233730 Drive

Replacing: 443930154191; 8014271

Servicing: 443115144723; -4; -63; -64; 9144724; -44; -63; -64; -820

O.D. 34.50, **I.D.** 14.65, **L.** 91.00,
No. of teeth 9, **Splines** 12, **Drive type** Steel
w/ 10 holes.



234445 Drive

Replacing: 71553360; 7153360

Servicing: 443115142780; 9142724; -860

O.D. 45.55, **L.** 106.00, **No. of teeth** 13,
Drive type Steel



234812 Drive

Replacing: 7151271

Servicing: 9144703; -64; -65

O.D. 39.55, **I.D.** 16.00, **L.** 91.70,
No. of teeth 10, **Splines** 10, **Drive type** Steel

Drive Parts

Washers

Pkg 5



234570 Washer

Servicing: 443937150860; 7150860; -2860; -2960; -3860

O.D. 34.00, **I.D.** 24.65, **Th.** 3.00, **Material** Steel

Planet Gears

Gear Parts

Pinions



231877 Pinion

Servicing: 4,4393715086e+011

O.D. 25.35, **H.** 79.10, **No. of teeth** 9, **Splines** 10

Levers



133411 Lever

Replacing: 443930158410; -1; 0158411

Servicing: 443115142350; 9142063; -110; -112; -350

L. 85.85, **Lever** 1



135774 Lever

Replacing: 443930152051; 8470521

Servicing: 443115144702; -22; -42; 9144702; -3; -22; -24; -42; -43; -44; -63; -64; -820; -821; -840; -74602; -

L. 105.35, **Lever** 1



137880 Lever

Replacing: 1001933094; -5; 443916017221

Servicing: 0001157024; -5; -6; -8; -9; -30; 9000141116; 9000334102; -3; -4

Lever 1



138112 Lever

Replacing: 594298; 182036; 593253

Servicing: D13E117TE; -8TE; -9TE; -20TE; -21TE; -22TE; -23TE; D13HP601; -5; -7; -701; -702; -703; -705

L. 121.40, **Lever** 1

Pkg 5



139615 Lever

Replacing: 5233420

Servicing: 443115141310; -1; -20

L. 51.40, **Lever** 5

Clutches



231878 Clutch

Brush Gears



136449 Brush Gear

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Brush set only: Cargo 136449

Brush gears parts



139691 Connector

Replacing: 443930151420; 8404810

Servicing: 443115142062; -71; -110; -350

L. 110.80, **Mount. hole 1** 4.45, **Mount. hole 2** 4.45

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Brush Springs

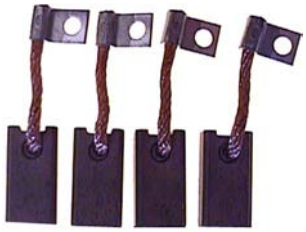
Pkg 10



135775 Brush Spring

Replacing: 315238040; 315677064480
Servicing: 433115144702; -22; -42
O.D. 16.15, **L.** 35.30

Brush Sets



plsx34 Brush Set

Replacing: 334174503246; 344112021; 344122021; 344154113246; 344174503246
Servicing: 9142063; -110; -112; -350
V. 12, **L.** 22.45, **Th.** 7.85, **H.** 11.85, **No. of brushes** 4



plsx44 Brush Set

Replacing: 344112027; 344154123387; 344174143386; 932232
Servicing: 9144702; -3; -22; -24; -42; -43; -44; -63; -64; -820; -821; -840
V. 12, **L.** 26.00, **Th.** 8.70, **H.** 26.50, **No. of brushes** 4

Bushings

Pkg 10



140012 Bearing Bushinging

Replacing: 1000301002; -47; 323125723125; 140021
Servicing: 0001201009; -3008; -3009; -3010; -4002; -5015; -5017; -7001; -7005; -8006; -8017; 0001310007; -8; -
O.D. 16.55, **I.D.** 12.50, **L.** 13.85, **Type** Standard, **Material** Copper
Assort. 803012

Pkg 10



140143 Bearing Bushinging

Replacing: 924100
O.D. 16.55, **I.D.** 12.55, **L.** 13.85, **Material** Copper

Pkg 10



140397 Bearing Bushinging

Replacing: 931550
O.D. 27.00, **I.D.** 22.75, **L.** 19.80, **Material** Copper

Pkg 10



140525 Bearing Bushinging

Replacing: 323114009; 323612640853; 323622640853
Servicing: 9142063; -110; -112; -350
O.D. 16.50, **I.D.** 12.55, **L.** 13.90, **Material** Copper

Pkg 10



140527 Bearing Bushinging

Replacing: 931544
O.D. 20.00, **I.D.** 15.00, **L.** 19.85, **Type** Standard, **Material** Copper

Pkg 10



140691 Bearing Bushinging

Replacing: 323114016; 323144016; 323622642933; 323662642933
Servicing: 9142063; -110; -112; -350
O.D. 14.00, **I.D.** 9.95, **L.** 14.75, **Material** Copper

Pkg 10



140756 Bearing Bushinging

Replacing: 2000940; 323114011; 323125527131; 323125641703; 323622641703

Servicing: 9144702; -22; -24; -42; -43; -44; -63; -64; -820; -821; -74602; -74642

O.D. 18.00, **I.D.** 14.50, **L.** 16.85, **Material** Copper

Pkg 10



140757 Bearing Bushinging

Replacing: 323114014; 323125527127; 323144014

Servicing: 9144702; -22; -24; -42; -43; -44; -63; -64; -820; -821; -74602; -74642

O.D. 18.00, **I.D.** 14.45, **L.** 14.95, **Type** Standard, **Material** Copper

Pkg 10



140758 Bearing Bushinging

Replacing: 323125436125; f0jy11135a; mce444

O.D. 22.60, **I.D.** 19.00, **L.** 14.00, **Type** Standard, **Material** Copper

Pkg 10



141055 Bushinging

O.D. 24.70, **I.D.** 21.09, **L.** 4.30, **Material** Copper

Bearings

Needle Bearings



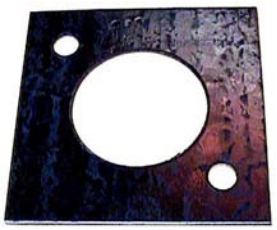
140381 Needle Bearing

Replacing: tla2212z; 324592000000; 324592003; hk2212

Servicing: 443115142740; 9142700; -2; -4; -8; -9; -20; -22; -23; -24; -27; -28; -29; -40; -41; -42; -43; -44;

O.D. 28.00, **I.D.** 22.00, **L.** 12.00,
No. of rollers 25
Assort. 803013; 803022

Sundry Parts



134155 Adjuster Plate

Pkg 5



136631 Stop Collar

Replacing: 443936800820; 6800820

O.D. 21.95, **I.D.** 14.60, **Th.** 4.90, **Material** Steel

Pkg 5



137061 Lock Ring

Replacing: 315238066; 315817080340

Th. 2.00, **Lock ring** 5

For 15 mm shaft.

Pkg 5



138606 Lock Ring

Replacing: 3155238077; 315817120910

Servicing: 4,4311514235e+011

Th. 2.10, **Lock ring** 5

For 13 mm shaft.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

C.E. Covers



136271 C.E. Cover

Replacing: 443931658400; 1658400

Servicing: 443115141310; -1; -20; 9141310; -1; -2; -7; -9; -20; -25; -26; -27; -71; -80; -82; -90; -91; -92; -

O - rings

Pkg 5



136681 O-Ring

Replacing: 273111014174; 028300-1971

Servicing: 028000-5660; -1; -7732; 128000-6860; -1; -9970; -9971; 228000-2290; -3810; 428000-1190; -860; 44311

I.D. 38.00, **Th.** 2.50

Armatures



137008 Armature

Replacing: 243708200

Servicing: 243708

V. 12, **kW.** 4.0, **Core OD** 83.70, **Shaft L.** 337.30, **Splines** 12



137010 Armature

Replacing: 203708200

Servicing: 203708

V. 24, **kW.** 5.9, **Core OD** 84.50, **Shaft L.** 376.50, **Splines** 4, **Rotation** CR

Field Coils



133819 Field Coil

V. 24, **kW.** 4.0, **H.** 119.00, **Brush gear** w/o



137009 Field Coil

Replacing: 203708110

V. 24, **kW.** 5.9, **H.** 115.70, **Brush gear** w/o

Solenoids



133823 Solenoid

V. 24



137007 Solenoid

Replacing: st212-3708800

V. 12, **B+** M10, **Coil bolt** M10



137013 Solenoid

Replacing: 203708800

V. 24, **B+** M10, **Coil bolt** M10



234860 Solenoid

Replacing: 35850-kbb-900; zm-101; 234860

V. 12, **Amp.** 15

Drives



133817 Drive

O.D. 40.40, **I.D.** 14.65, **L.** 120.00, **No. of teeth** 11, **Splines** 3, **Drive type** Steel
8 holes.



134722 Drive

Replacing: ct212-3708600; st212-3708600b; 137011; 2845

Servicing: 203708

O.D. 36.10, **I.D.** 16.00, **L.** 107.60, **No. of teeth** 10, **Splines** 4, **Drive type** Steel



134723 Drive

Replacing: 24.3708600; 3708600-3; ct352d-3708600-3; 137006; 1613

Servicing: 243708

O.D. 35.90, **I.D.** 16.15, **L.** 107.50, **No. of teeth** 10, **Splines** 12, **Rotation** CR, **Drive type** Steel



230248 Drive

Replacing: 5413708600

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



230763 Drive

Replacing: 10036; 480105; -83; 31443-65; 31443-65a; 1.01.0898.0; 230763
O.D. 42.65, **I.D.** 12.00, **L.** 40.65,
No. of teeth 11, **Splines** 19, **Rotation** CR,
Drive type Steel
w/ lever.

Clutches



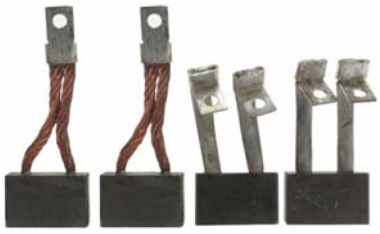
133822 Clutch

Brush Sets



140872 Brush Set

Replacing: 243708025
V. 12, **L.** 21.70, **Th.** 17.50, **H.** 22.45,
No. of brushes 4



140873 Brush Set

Replacing: 20.3708115; -25; 20.3709115; -25
V. 24, **L.** 20.38, **Th.** 11.81, **H.** 31.90,
No. of brushes 4



mosx5-68 Brush Set

Replacing: mosx5-68
V. 12, **L.** 22.60, **Th.** 11.00, **H.** 15.95,
No. of brushes 8

Bushings



140578 Bearing Bushinging

O.D. 44.00, **I.D.** 35.15, **L.** 39.55, **Type** Standard, **Material** Copper

Pkg 10



141206 Bushinging

Collar O.D. 18.86, **O.D.** 16.00, **I.D.** 12.38, **L.** 20.00, **Material** Copper

Pkg 10



141207 Bushinging

O.D. 22.53, **I.D.** 19.30, **L.** 10.71, **Material** Copper

Pkg 10



141208 Bushinging

O.D. 18.05, **I.D.** 13.95, **L.** 16.92, **Material** Copper

Armatures



139754 Armature

Servicing: sm302-04; -16; -18; -19; -22; -24; -28

V. 12, **kW.** 1.4, **Core OD** 46.00, **Shaft L.** 146.00, **No. of teeth** 9
Gear reduction.



232767 Armature

Replacing: 233900; 232767

Servicing: SM402-01

V. 12, **kW.** 1.6, **Core OD** 49.90, **Shaft L.** 141.10, **No. of teeth** 9, **Rotation** CR/ACR
Gear reduction.



233706 Armature

Replacing: 31207-P0C-004; 233706

Servicing: sm402-03; sm402-03n; sm402-04; sm402-04n; sm402-05; sm402-05n; -6n; -12N; -15N; -25N

V. 12, **kW.** 1.6, **Core OD** 50.00, **Shaft L.** 132.00, **No. of teeth** 9
Gear reduction.



234604 Armature

V. 12, **kW.** 1.6, **Core OD** 45.00, **Shaft L.** 134.00, **No. of teeth** 12, **Splines** 12, **Rotation** ACR
Gear reduction.



234605 Armature

V. 12, **kW.** 1.6, **Core OD** 50.00, **Shaft L.** 130.00, **No. of teeth** 12, **Splines** 12
Gear reduction.

D.E. Brackets



136755 D.E. Bracket



139767 D.E. Bracket

I.M. Brackets



136760 I.M. Bracket

Solenoids



133076 Solenoid

Replacing: 31210-pc2-026; 31210-pd0-26; 31210-pe1-671; zm-602; 31210-PD2-026; 31210-pe1-171; 31210-pc2-006; 133

V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133782.



133290 Solenoid

Replacing: 31210-pc2-016; 31210-pd2-006; -16; zm-603; 133290

V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133782.



136983 Solenoid

Replacing: zm-606; 136983

Servicing: 31200-P03-005; sm402-03

V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 137084.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



137023 Solenoid

Replacing: 31210-pt0-01; zm-607; 137023
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 137084.



138009 Solenoid

Replacing: 31210-pt0-004; 31210-pt0-9050; zm-604; 138009
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138010.



230018 Solenoid

Replacing: 31210-p2a-901; 31210-p2c-901; zm-605; 230018
Servicing: sm442-32; -6
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 232009.



232003 Solenoid

Replacing: 31210-p2c-j61; 31210-p2j-j61; 31210-p8a-a01; zm-608; 232003
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 232005.



232004 Solenoid

Replacing: 31210-p0a-004; 31210-paa-a02; zm-609; 232004
Servicing: sm422-01; -2; -42-02
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 232006.



234159 Solenoid

Replacing: 31210-p13-904; 234159
Servicing: 31200-p13-903; -4; -5
V. 12, **B+** M8, **Coil bolt** M8



234160 Solenoid

Replacing: 31210-p2a-004; 31210-p2c-004; 234160
Servicing: sm422-09; -42-01
V. 12, **B+** M8, **Coil bolt** M8



234161 Solenoid

Replacing: 31210-P5M-004; 234161
Servicing: 31200-P5M-004; sm422-27
V. 12, **B+** M8, **Coil bolt** M8



234162 Solenoid

Replacing: 31210-p01-005; 31210-p30-005; 234162
Servicing: 31200-p30-902
V. 12, **B+** M8, **Coil bolt** M8



237404 Solenoid

Servicing: SM442-25
V. 12

Solenoid Parts

Solenoid Caps

Pkg 5



133782 Solenoid Cap

Replacing: zm-60296; 133782
O.D. 48.40, **No. of leads** 3, **Bracket type** Crimp



137084 Solenoid Cap

Replacing: zm-60696; 137084
Servicing: 31200-P03-005
O.D. 48.60, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



138010 Solenoid Cap

Replacing: zm-60496; 138010
O.D. 48.30, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



232005 Solenoid Cap

Replacing: zm-60896; 232005
O.D. 48.70, **No. of leads** 2, **Bracket type** Crimp

Pkg 5



232006 Solenoid Cap

Replacing: zm-60996; 232006
Servicing: SM422-02; -42-02
O.D. 49.20, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



232009 Solenoid Cap

Replacing: zm-60596; 232009
O.D. 49.25, **No. of leads** 3, **Bracket type** Crimp



232190 Solenoid Cap

O.D. 49.20, **No. of leads** 3

Moving Contacts

Pkg 5



132037 Moving Contact

Servicing: 103794; -4594; -4694; ced538; -41; -46; D7G11; -R17; -R19
Th. 2.45, **Shaft** 29.25, **Material** Steel
Assort. 803036

Gaskets

Pkg 10



235692 Gasket

Th. 2.45, **Material** Rubber

Drives



134284 Drive/Clutch Assy

Replacing: 31204-pd1-003; 1.01.0815.0; 134284
O.D. 28.75, **L.** 98.25, **No. of teeth** 9, **Drive type** Steel
Pinoin: Cargo 134283.



138752 Drive

Replacing: 72138802; 139752
Servicing: 63216876; -7138; mt68pa; -71fa
O.D. 40.65, **I.D.** 14.35, **L.** 77.30, **No. of teeth** 11, **Splines** 6, **Rotation** CR, **Drive type** Steel
w/ lever.

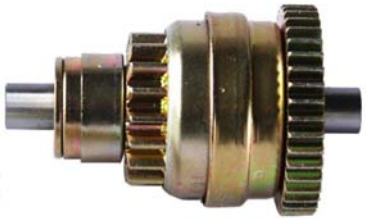
Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



230761 Drive

Replacing: 6m6-8183e00-00; 1.01.0749.0; 230761

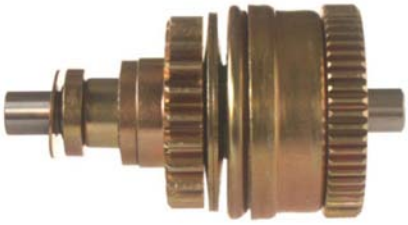
O.D. 44.50, **L.** 107.35, **No. of teeth** 19, **Splines** 15, **Rotation** ACR, **Drive type** Bronze



230762 Drive

Replacing: sm1329850; 1.01.0751.0

O.D. 39.00, **L.** 91.50, **No. of teeth** 17, **Rotation** ACR, **Drive type** Bronze



234199 Drive

Replacing: 1.01.1036.0; 234199

O.D. 51.90, **L.** 107.15, **No. of teeth** 23, **Splines** 30, **Rotation** ACR, **Drive type** Bronze



237407 Drive

Servicing: SM442-25

O.D. 29.25, **I.D.** 15.85, **L.** 94.70, **No. of teeth** 9, **Rotation** CR, **Drive type** Steel

Drive Parts



133977 Pinion

O.D. 28.50, **I.D.** 13.35, **H.** 41.00, **No. of teeth** 9, **Splines** 19



134283 Pinion/Shaft Assy

O.D. 28.80, **H.** 99.10, **No. of teeth** 9, **Splines** 18

Pinoin set for: Cargo 134284.

Washers

Pkg 5



135013 Washer

O.D. 46.00, **I.D.** 23.10, **Th.** 2.35

Clutches



233743 Clutch

Servicing: sm302-21; -2; -7; -8; -42; -44; -45; -46; -48; sm402-10; -1; -3; -5; -6; -7; -25; -22-02

O.D. 61.88, **L.** 77.51, **Splines** 18

Brush Gears



232311 Brush Gear

Replacing: 31208-P0G-A01; 232311

Servicing: sm402-03

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With



234139 Brush Gear

Servicing: 31200-P03-005; d7rs7; d7rsa7; sm302-01; -2; -3; -4; -7; -8; -9; -10; -12; -15; -16; -18; -19; -24;

Brush w/o, **Brush gear** 1, **Spring terminal** With

Brush set: Cargo 140716 (x2).

Brush gears parts

Brush Springs

Pkg 10



139948 Brush Spring

Servicing: 31200-P03-005

O.D. 8.75, **L.** 20.00

Brush Sets



140706 Brush Set

Servicing: 31200-P03-005

V. 12, **L.** 15.40, **Th.** 5.80, **H.** 13.85,
No. of brushes 2



140841 Brush Set

Replacing: 140841; jasx24-25

Servicing: sm402-03; SM402-05N; sm422-01; -2

V. 12, **L.** 16.50, **Th.** 4.85, **H.** 16.95,
No. of brushes 4



141246 Brush Set

Servicing: SM442-25

V. 12, **L.** 16.00, **Th.** 4.90, **H.** 17.00,
No. of brushes 4

Bushings

Pkg 10



140648 Bearing Bushinging

O.D. 13.00, **I.D.** 8.20, **L.** 8.30, **Material** Copper

Pkg 10



140698 Bearing Bushinging

O.D. 27.00, **I.D.** 23.55, **L.** 5.85, **Material** Copper

Pkg 10



140938 Bearing Bushinging

O.D. 27.05, **I.D.** 22.80, **L.** 5.75, **Material** Copper

Pkg 5



141182 Bushinging

O.D. 27.00, **I.D.** 23.85, **L.** 5.65, **Material** Copper

Bearings

Needle Bearings

Pkg 5



140468 Needle Bearing

Replacing: tla810z; hk0810; 140468

Servicing: 21020892; -3; -1366; -1648; 9000719; -35; -51; -56; -58; -62; -63; -73; -75; -76; -89; -96; -97; M9

O.D. 12.00, **I.D.** 8.00, **L.** 10.00,
No. of rollers 13
Assort. 802035; 803013

Sundry Parts

Pkg 5



133561 DP Lock Ring

Th. 1.85

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



133562 DP Lock Ring

O.D. 13.70, **I.D.** 5.95, **Th.** 4.60, **Material** Steel

Pkg 5



133670 Boot

Servicing: 31200-P03-005; SM402-05N
O.D. 21.25, **I.D.** 18.45, **L.** 52.30

Pkg 5



136341 Retaining Clip

Th. 1.40



233055 Boot

Replacing: 31235-P0G-A01; 233055

Armatures



132484 Armature

Replacing: m602-18-x60; n202-24-705a; m106x01171; m106x08571; m106x53171; -571; m106x54971; m106x57171; m106x01

Servicing: 23300-05E10; -C010; -P510; -26V11; M2T24181; -281; -5081; -5082; -5083; -5481; -5581; -5681; -50171

V. 12, **kW.** 1.4, **Core OD** 53.65, **Shaft L.** 147.80, **No. of teeth** 9, **Rotation** CR/ACR
Commutator: Cargo B139776.

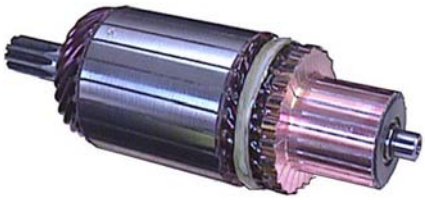


132486 Armature

Replacing: m106x02271; m106x29871; m106x41671; -2; -3; -4; md607636; md618369

Servicing: 23300-09E10; 34466-03200; -20201; M2T54271; -2; -371; -372; -471; -572; -671; -771; -871; -881; -55

V. 12, **kW.** 2.0, **Core OD** 53.20, **Shaft L.** 152.00, **No. of teeth** 9, **Rotation** CR/ACR
Commutator: Cargo B139774.



132487 Armature

Replacing: m106x40671; m106x50671

Servicing: M2T60071; -2; -171; -172; -185; -571; -92071; -92171; -92172; -92271

V. 12, **kW.** 2.2, **Core OD** 53.60, **Shaft L.** 169.00, **No. of teeth** 9, **Rotation** CR/ACR
Commutator: Cargo B233755.



132762 Armature

Replacing: 0222-24-720; m106t16571; m106t17271; -371; m106x52971; md602250; 23310-b6010

Servicing: 23300-U0114; M3T10071; -372; -473; -475; -476; -672; -1173; -1174; -1272; -2572; -5772; -9071; -977

V. 12, **kW.** 0.8, **Core OD** 59.90, **Shaft L.** 217.50, **Splines** 8, **Rotation** CR
Commutator: Cargo B137340.



133034 Armature

Replacing: m106x29371

Servicing: 34466-03101; -20102; M2T64178; -271; -471; -5271; -5272; -5671; -6071; -6271; -6272; -6871; -6872;

V. 24, **kW.** 3.2, **Core OD** 53.60, **Shaft L.** 151.40, **No. of teeth** 9, **Rotation** CR/ACR
Commutator: Cargo B139774.



134071 Armature

Replacing: m106t01871; m106x01271; -871; m106x53271; m106x55071; m106x57271; md607413

Servicing: 23300-18C70; -H9112; M2T52081; -2; -171; -172; -181; -185; -271; -381; -681; -871; -881; -882; -308

V. 12, **kW.** 1.2, **Core OD** 53.65, **Shaft L.** 139.50, **No. of teeth** 9, **Rotation** CR/ACR
Commutator: Cargo B139776.



134736 Armature

Replacing: e356-18-x60; f8b1-18-x60; m106t05770; -1; m106t07472; -771; m106t50271; m106t52571; m106x50271; -871

Servicing: 23300-01E12; -3; -3E11; -18V10; -60S10; -D0213; -T5072; -W0417; M3T10476D; -7686h; M3T21281D; M3T21

V. 12, **kW.** 0.8, **Core OD** 60.00, **Shaft L.** 183.10, **Splines** 8, **Rotation** CR
Commutator: Cargo B136031.

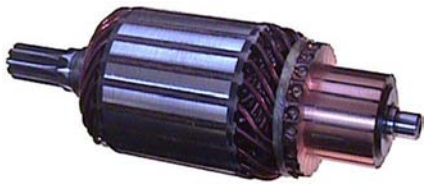


134737 Armature

Replacing: e301-18-720; m106t01970; m106x51671; md607552

Servicing: A3T22681; M3T22681; -4482; -5081; -30081; -30082; -30088; -30281; -30282; -30285; -30286; -30382; -

V. 12, **kW.** 0.8, **Core OD** 60.00, **Shaft L.** 204.40, **Splines** 8
Commutator: Cargo B138975.



134926 Armature

V. 12, **kW.** 1.0, **Core OD** 47.90, **Shaft L.** 142.45, **No. of teeth** 9, **Rotation** CR/ACR
Commutator: Cargo B232973.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



135118 Armature

Replacing: m106t03271; -971; m106t19771; md607284

Servicing: M3T24181; -481; M3T24482A; M3T24485; -6; -5281; -5781; -5782; -5783; -5785; -5882; -5883; -7581; -7

V. 12, **kW.** 0.9, **Core OD** 60.00, **Shaft L.** 226.00, **Splines** 8, **Rotation** CR

Commutator: Cargo B138978.



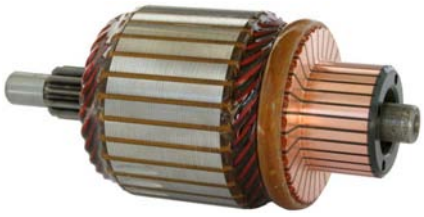
135824 Armature

Replacing: 1346-24-705; md604912; 028200-1022; 028200-2010; 28160-87702

Servicing: 028000-4420; -5440; -6520; -7200; -7280; -7290; -7440; -7490; -7500; -7630; -7720; -7760; -7870; -7

V. 12, **kW.** 0.8/0.9, **Core OD** 59.90, **Shaft L.** 226.00, **Splines** 10, **Rotation** ACR

Commutator: Cargo B138980.



135832 Armature

Replacing: m106t08671; m106x08671; m106x52171; m106x58571; m106t04271; m106t06971; m106t50171; m106t52171

Servicing: 23300-20P11; -30F11; -30R13; -44R11; -48L10; -4E100; -4E210; -50Y11; -52F10; -53J12; -57M71; -5C015

V. 12, **kW.** 1.2/1.4, **Core OD** 53.80, **Shaft L.** 121.40, **No. of teeth** 11, **Rotation** CR/ACR



135928 Armature

Replacing: m106t07070; m106t52371; m106x52371; 23310-t5000

Servicing: M2T20181; M2T20181D

V. 12, **kW.** 0.8, **Core OD** 53.55, **Shaft L.** 203.60, **Splines** 8, **Rotation** CR

Commutator: Cargo B139775.



136179 Armature

Replacing: m106x52471

Servicing: 23300-M8011; M2T37081

V. 12, **kW.** 0.8, **Core OD** 53.60, **Shaft L.** 199.20, **Splines** 8, **Rotation** ACR

Commutator: Cargo B136031.



136195 Armature

Replacing: m106x27271

Servicing: m4t50071; -3; -171

V. 24, **kW.** 4.5, **Core OD** 65.00, **Shaft L.** 163.25, **Splines** 10, **Rotation** CR



136196 Armature

Replacing: m106x29171; m106x41271; me700037

Servicing: 34766-20901; m3t50176; -6071; -6072; -6074; -6076; -6082; -6084; -6085; -6174; -6181; -6182; -6183;

V. 24, **kW.** 4.5, **Core OD** 60.00, **Shaft L.** 178.00, **No. of teeth** 9, **Rotation** CR/ACR



136197 Armature

Replacing: 4892-24-705; m106t25371

Servicing: M5T22175; -6

V. 12, **kW.** 2.7, **Core OD** 75.90, **Shaft L.** 292.75, **Splines** 10, **Rotation** CR



136334 Armature

Replacing: n326-18-x60; m106x06971; m106x50171; -471; m806x06971; md611204; md618451; 23310-42l70; 23310-65y10;

Servicing: M1T70481; -681; -685; -687; -981; -982; -985; -1081; -1281; -1381; -1382; -1481; -1781; -2081; -208

V. 12, **kW.** 1.2/1.4, **Core OD** 53.80, **Shaft L.** 121.60, **No. of teeth** 11

Commutator: Cargo b138979.



136613 Armature

Replacing: je01-18-x60; n327-18-x60; m106x54271; m106x57471; m106x59171; m106x74781; 23310-97a11; 23310-9je11;

Servicing: 23300-60U12; M1T6082; M1T64285; -74081; M1T74081A; M1T74087; -181; M1T74181A; m1t74281; -3; -381; M

V. 12, **kW.** 1.7/2.0, **Core OD** 53.50, **Shaft L.** 144, **Splines** 11



138417 Armature

Replacing: m106x52271; m106t04771; m106t08371

Servicing: M2T30281; -481; -581; -585; -586; -881; -1981; -2281; -41381; -41581; -41586; -41985; -42381

V. 12, **kW.** 0.8, **Core OD** 53.80, **Shaft L.** 177.55, **Splines** 8, **Rotation** CR

Commutator: Cargo B139775.



138962 Armature

Replacing: m106x43571; md618958; m106x43572; 237088

Servicing: M2T84071; -171; -571; -5271; -5471; -7071; -7171; -7271; -7371; -7471; -7571; -7671; -7871; -7971;

V. 12, **kW.** 2.0/2.2, **Core OD** 54.00, **Shaft L.** 141.00, **No. of teeth** 13, **Rotation** CR



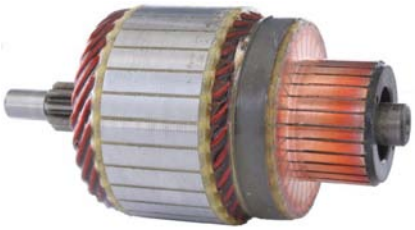
139397 Armature

Replacing: m106x55171; -2

Servicing: M2T37281

V. 12, **kW.** 0.65, **Core OD** 53.90, **Shaft L.** 196.30, **Splines** 8, **Rotation** ACR

Commutator: Cargo B139775.



139398 Armature

Replacing: bpd4-18-x60; m106t57671; m106x57671; m106x58771; md619164; 23310-0m210

Servicing: 23300-1M210; -5; M0T65081; -381; -80081; -80082; -80281; M0T80281A; M0T80285; M0T80285A; M0T80381;

V. 12, **kW.** 1.0, **Core OD** 53.75, **Shaft L.** 106.75, **No. of teeth** 9, **Rotation** CR/ACR



139399 Armature

Replacing: m106x55671; 23310-57j13

Servicing: 23300-0C410; -1; -5; -3M010; -57J12; -57J13; -5C900; M2T51681; -61871; M2T61871A; -B; -2071A; M2T62

V. 12, **kW.** 2.0/2.2, **Core OD** 53.60, **Shaft L.** 147.65, **No. of teeth** 9, **Rotation** CR



139400 Armature

Replacing: m106x53871; m106x55571; 23310-m8213

Servicing: 23300-41B10; -5; -73C10; -M8212; M2T42781; -6481; -7081; -7781; -8981; -8982; -9281; -9282; -9283;

V. 12, **kW.** 0.8, **Core OD** 53.65, **Shaft L.** 203.60, **Splines** 8, **Rotation** ACR

Commutator: Cargo B139775.



139401 Armature

Replacing: m106x09971; md618536; 23310-50y12

Servicing: 23300-08U10; -1; -5; -41B16; -41B77; -41B78; -50Y12; -50Y13; -50Y14; -50Y15; -5C010; -5C011; -5C012

V. 12, **kW.** 1.0, **Core OD** 54.00, **Shaft L.** 112.00, **No. of teeth** 11, **Rotation** CR



139646 Armature

Replacing: e5pz11005a; m106x29271; -2; m106x41971

Servicing: e3tz11002a; e5tz11002b; e8tz11002a; M3T66572; -7171; -7172; -7281; -7671; -7771; -90071; -90072; -9

V. 12, **kW.** 2.5, **Core OD** 60.00, **Shaft L.** 177.50, **Splines** 9



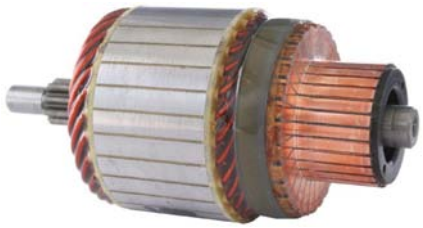
139825 Armature

Replacing: m105x43771; m106x43772; me701492

Servicing: M2T80772; M8T80071; M8T80071A; -B; M8T80171; -371; -372; -373; -374; -471; M8T80471A; M8T80472; M8T

V. 24, **kW.** 3.2/3.7, **Core OD** 53.40, **Shaft L.** 141.00, **Splines** 13

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



230499 Armature

Replacing: m106x58671; 23310-1s710; m106x58971; m106x59771

Servicing: 23300-0W010; M0T60081; M0T60081A; M0T60181; M0T60181A; M0T60187; -481; -581; -85281; -85681; -85781

V. 12, **kW.** 1.4, **Core OD** 73.75, **Shaft L.** 113.45, **No. of teeth** 9, **Rotation** CR
Commutator: Cargo B139878.



231468 Armature

V. 12, **kW.** 1.7, **Core OD** 53.60, **Shaft L.** 131.70, **Splines** 9



231471 Armature

Replacing: f4xy11005a; n327-18-x60-a; m106x07271; m106x50571; m106x58171; 23310-60u10; -2; 23310-97e11; 1049243

Servicing: 12560972; 23300-60U11; -2; 24506694; 9000836; -7; -41; -42; -54; -57; -58; M1T74081; m1t74081a; m1t

V. 12, **kW.** 1.7/2.0, **Core OD** 54.00, **Shaft L.** 143.55, **No. of teeth** 11, **Rotation** CR/ACR
Commutator: Cargo B237791.

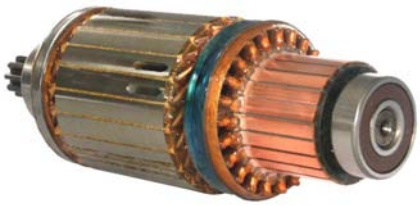


231771 Armature

Replacing: m106x40871; me700854; SE45-18-X60

Servicing: M2T78071; -2; -271; -372; -381; -382; -383; -481; -482; -571; M3T58471; ME013390; -87590; n002t7807

V. 24, **kW.** 5.0, **Core OD** 53.65, **Shaft L.** 169.00, **Splines** 9



233337 Armature

Replacing: m106x40471

Servicing: M3T95071; -3; -81; -82; -171; -172; -281; ME057985; -90; ME121309

V. 24, **kW.** 5.5/6.0, **Core OD** 60.20, **Shaft L.** 178.00, **No. of teeth** 9



233961 Armature

Replacing: m106x45071

Servicing: 39MT. 19011501; m9t70379; -80472; -80571; -80572; -80671; -80771; -80772; -80871; -80971; -81071; -8

V. 24, **kW.** 8.2, **Core OD** 68.00, **Shaft L.** 196.00, **Splines** 14



234100 Armature

Servicing: m9t60371; -471

V. 24, **kW.** 6.0, **Core OD** 60.20, **Shaft L.** 177.00, **No. of teeth** 13, **Splines** 13



234851 Armature

Replacing: m105x43671; ME701446

Servicing: M3T56089; M8T60071; M8T60071A; M8T60072; M8T60072A; M8T60073; M8T60073A; M8T60089; -171; -173; -174

V. 24, **kW.** 5.0, **Core OD** 53.50, **Shaft L.** 171.00, **No. of teeth** 13



234974 Armature

Servicing: m1t85781

V. 12, **Core OD** 54, **Shaft L.** 127.1, **No. of teeth** 11
1.4/1.8 kW.

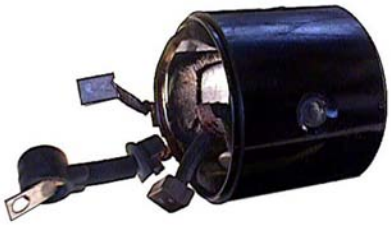


235247 Armature

Servicing: m1t80481

V. 12, **kW.** 1.4, **Core OD** 54.00, **Shaft L.** 133.00, **Splines** 11, **Rotation** CR

Yokes



133657 Yoke Assy

Replacing: m800t37871; 23302-m8111

Servicing: 23300-M8111; M2T23685

V. 12, **kW.** 1.0, **O.D.** 80.45, **L.** 71.10, **Brush gear** w/o, **Magnets** With



135784 Yoke Assy

Replacing: m800t35171; m800t43972; m800x49671

Servicing: 23300-09E10; M2T54271; -371; -372; -771; -6171; -6181; -6182; -6185; -7271; -7273; -7371; -7771; -7

V. 12, **kW.** 2.0, **O.D.** 81.50, **L.** 75.60, **Brush gear** w/o, **Magnets** With



135802 Yoke

Replacing: 31218-zg4-801; 8-94381931-0; 9-94381931-0; md604642; 028100-5140; -580; -900; 28120-87210

Servicing: 128000-2520; -621; -631; -820; -980; -3090; -3091; -3250; -3251; -3260; -3261; -3530; -3531; -3651;

V. 12, **kW.** 0.6/0.7, **O.D.** 76.00, **L.** 77.00, **Brush gear** w/o, **Magnets** With



135831 Yoke Assy

Replacing: m800t34171; -2; 23302-p5110

Servicing: 23300-U0114; M3T10372; -672; -1272; -1373; -20681; m3t20681a; M3T21281; -2; -881; -882; -5181; MEA0

V. 12, **kW.** 0.8, **O.D.** 89.30, **L.** 83.70, **Brush gear** w/o, **Magnets** With



135903 Yoke

Replacing: r201-24-730; m800t45271; -3; m800t47071; m800x45272; md611023; -527; md618270; m800x45271; -3

Servicing: m2t60071; -2; -171; -172; -185; -571; -671; -1072; -92071; -92271

V. 12, **kW.** 2.2, **O.D.** 80.65, **L.** 101.65, **Brush gear** w/o, **Magnets** With



135927 Yoke Assy

Replacing: m800t35671; m800t38371; m800t52871; m800x52872; m800x54671; 23302-06e10; 23302-o6e10; 31110-79030; m

Servicing: m2t10171; M2T20181D; M2T30281; -481; -581; -586; -881; -1081; -1981; -2281; -41381; -41581; -42285;

V. 12, **kW.** 0.8, **O.D.** 80.50, **L.** 65.55, **Brush gear** w/o, **Magnets** With

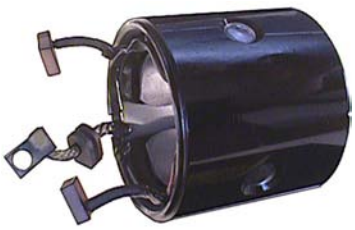


136099 Yoke Assy

Replacing: e301-24-701; m800t34971; mm502416

Servicing: M2T20081; -2582; -9081; -9681; -30281; m3t30082; -2382; -2581; -2781; -2782; -9881

V. 12, **kW.** 0.8, **O.D.** 89.00, **L.** 70.45, **Brush gear** w/o, **Magnets** w/o

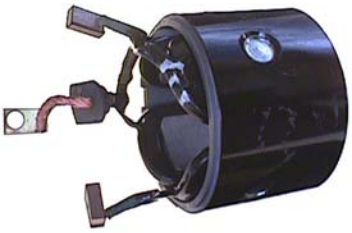


136100 Yoke Assy

Replacing: 0222-24-701; m800t33071; -6

Servicing: M3T10071; -20081; -20181; -20381; -20781; -22081; -22581; -22582; -25081; -29081; -29681; -30081; -

V. 12, **kW.** 0.9, **O.D.** 89.00, **L.** 83.75, **Brush gear** w/o, **Magnets** With

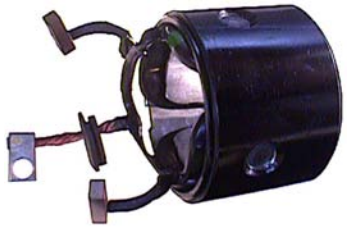


136135 Yoke Assy

Replacing: b630-18-x65; b660-18-x65; e357-18-x65; f210-18-x65; m800t38871; -971; -972; -973; m800t50471; m800t5

Servicing: 23300-01E13; -60S10; M1T72581; m3t21281d; -882d; -4482H; -4482J; -4482K; -4486A; -4486H; -5282H; M3

V. 12, **kW.** 0.8, **O.D.** 89.50, **L.** 62.00, **Brush gear** w/o, **Magnets** With



136180 Yoke Assy

Replacing: m800t37671

Servicing: 23300-M8011; M2T37081

V. 12, **kW.** 0.8, **O.D.** 80.70, **L.** 60.10, **Brush gear** w/o, **Magnets** w/o

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



136377 Yoke Assy

Replacing: pn11-18-x65; m800t50373
Servicing: M2T51281; -2
V. 12, **kW.** 1.4
O.D. 80 mm.



136938 Yoke Assy

Replacing: m800x43574; m800t43571; m800t47371; m800x43573
Servicing: 34466-20102; M2T64271; -372; -373; -5271; -6271; -6272; -6871; -6872; -7871; -7872; -7873; -7881; -
V. 24, **kW.** 3.2, **O.D.** 81.00, **L.** 85.00, **Brush gear** w/o, **Magnets** With
Brush set: Cargo 141273.



137691 Yoke Assy

Replacing: m800t34071
Servicing: M2T10171; -20181; M2T20181A; M2T20281
V. 12, **kW.** 0.8, **O.D.** 80.50, **L.** 79.00, **Brush gear** w/o, **Magnets** w/o



137711 Yoke Assy

Replacing: m800x19571; -2
Servicing: m3t10473; -5; -6
V. 12, **kW.** 0.9, **O.D.** 89.15, **L.** 83.75, **Brush gear** w/o, **Magnets** With



138198 Yoke Assy

Replacing: pn12-18-x65; m800x46171; m800x47171; PN23-18-X65
Servicing: M2T92171; -2; m2t92172a
V. 12, **kW.** 2.2, **O.D.** 81.75, **L.** 84.65, **Brush gear** w/o, **Magnets** w/o



139361 Yoke Assy

Replacing: m800x49771; md618966; m800x49772
Servicing: M2T84071; -171; -571; -7671; M8T70071; MD312857; -4167; -5547
V. 12, **kW.** 2.0, **O.D.** 77.00, **L.** 63.00, **Brush gear** w/o, **Magnets** w/o
Brush set: Cargo 140347



230649 Yoke Assy

Replacing: m800x44972; -4
Servicing: M2T56272
V. 12, **kW.** 2.0, **O.D.** 80.75, **L.** 84.50, **Brush gear** w/o, **Magnets** w/o



230717 Yoke Assy

Replacing: r201-24-730a; m800x47071; m800x70171; md618269; m800x47072
Servicing: M2T60185; -271; -671; -1071; -1072; -1171; -1271; -1371; -1471; -1771; -2271; -2771; -2971; -3071;
V. 12, **kW.** 2.2, **O.D.** 80.45, **L.** 84.60, **Brush gear** w/o, **Magnets** w/o



231314 Yoke

Replacing: 4840-24-730a; m800x35186
Servicing: M2T54572
V. 12, **kW.** 2.7, **O.D.** 80.70, **L.** 84.85, **Brush gear** w/o, **Magnets** w/o



231504 Yoke

Replacing: wl02-18-x65; m800x49871; md618974; m800x49877; 237087
Servicing: M2T87071; -171; -271; -371; -971; -8071; -8171; -8271; M8T75071; -3; M8T75073A; MD312858; -5548; -3
V. 12, **kW.** 2.2, **O.D.** 81.65, **L.** 71.75, **Brush gear** w/o, **Magnets** w/o
Field coil only: Cargo 234338.



231772 Yoke Assy

Replacing: m800t46371; me700992

Servicing: M2T78372; -81; -82; -481; ME087590

V. 24, **kW.** 5.0, **O.D.** 80.65, **L.** 101.60, **Brush gear** w/o, **Magnets** w/o



232970 Yoke Assy

Servicing: m3t90071; -2; -271

V. 12, **kW.** 3.6, **O.D.** 90.55, **L.** 105.70, **Brush gear** w/o, **Magnets** w/o

Terminal kit: Cargo 233065.



234266 Yoke

Replacing: m800x70772; -87

Servicing: M8T80071; m8t80071b; ME012995

V. 24, **kW.** 3.2, **O.D.** 81.65, **L.** 71.60, **Brush gear** w/o, **Magnets** w/o

Yokes w/magnets



136894 Field Case

Replacing: jf01-18-x65; m800t39871; m800t53071; md611215; 23302-42l70; 36160-32500; -10

Servicing: 23300-20P11; -30F11; -30R13; -44R11; -48L10; -4E100; -4E210; -50Y11; -52F10; -53J12; -57M71; -5C015

V. 12, **kW.** 1.2/1.4, **L.** 63.60, **Brush gear** w/o, **Magnets** With



137550 Field Case

Replacing: k805-18-x65; m800x50873; -5; m800x52071

Servicing: M1T74491; -5581; -6481

V. 12, **kW.** 1.7, **O.D.** 74.50, **L.** 83.55, **Rotation** ACR, **Brush gear** w/o, **Magnets** With



137853 Field Case

Replacing: kl36-18-x65; m800x51074

Servicing: M1T60681; -73081; -77081

V. 12, **kW.** 1.4, **O.D.** 74.35, **L.** 63.15, **Rotation** ACR, **Brush gear** w/o, **Magnets** With



139240 Field Case

Replacing: m800x57371; md618539; 23302-50y12

Servicing: 23300-08U10; -1; -41B77; -41B78; -50Y12; -50Y13; -50Y14; -50Y15; -5C010; -5C011; -5C012; M0T70281;

V. 12, **kW.** 1.0, **O.D.** 70.60, **L.** 57.00, **Brush gear** w/o, **Magnets** With



139241 Field Case

Replacing: fp13-18-x65; m800x60671; m800x61771; md619096; m800x64073

Servicing: M0T65381; -80081; -80381; -80581; -80681; -80685; -80686; -80781; -80783; -80784; -80831; -80981; -

V. 12, **kW.** 1.0, **O.D.** 70.65, **L.** 52.70, **Brush gear** w/o, **Magnets** With



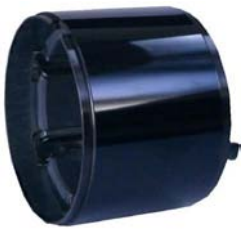
139616 Yoke Assy

Replacing: m800t52274; m800t57671; m800x52274; m800x57671

Servicing: 23300-60U12; M1T74281; -381; -581; -583; -785; -5181; m1t75181a; M1T75281; -3; -381; M1T75381A; M1T

V. 12, **kW.** 1.7, **O.D.** 74.30, **L.** 85.30, **Rotation** CR, **Brush gear** w/o, **Magnets** With

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



230459 Yoke Assy

Replacing: m800x60471; 23302-0m210

Servicing: 23300-1M210; -5; M0T80281; M0T80281A; M0T80285; M0T80285A; M0T80881; -2881

V. 12, **kW.** 1.2, **O.D.** 70.65, **L.** 54.70, **Rotation** CR, **Brush gear** w/o, **Magnets** With

---



230498 Yoke Assy

Replacing: m800x61671; -2

Servicing: 23300-0W010; M0T60081; M0T60081A; m0t60181; -7; -581; -85281; -85681; -85781; -85981; -86481; -8658

V. 12, **kW.** 1.4, **O.D.** 70.60, **L.** 60.00, **Brush gear** w/o, **Magnets** With

---

237832 Yoke

Servicing: 19011501; -7; -9; -11; -12; -22; -23; -24; -27; 8200009; -22; -39; -86; -11041; M9T80472

V. 24, **kW.** 6.2, **O.D.** 105.50, **L.** 99.10, **Rotation** CR

Field Coils



136627 Field Coil

Servicing: m3t30281; -6

V. 12, **kW.** 0.9, **H.** 74.00, **Brush gear** w/o

For 64.00 mm yoke.



136628 Field Coil

Servicing: m3t24481; -6

V. 12, **kW.** 0.9, **H.** 91.40, **Brush gear** w/o

For 86.00 mm yoke.



231872 Yoke Assy

V. 12, **kW.** 1.7, **H.** 79.15, **Brush gear** w/o



232971 Field Coil

Servicing: m8t50071; -171

V. 12, **kW.** 3.6, **H.** 84.90, **Brush gear** w/o



234101 Field Coil

Servicing: m3t56174; -81; -82; -83

V. 24, **kW.** 5.0, **H.** 91.50, **Brush gear** w/o



234338 Field Coil

V. 12, **kW.** 2.2, **H.** 72.65, **Brush gear** w/o

C.E. Brackets



137219 C.E. Bracket

Replacing: m641b10601; m642x40871; m644b10601; m644b21201; m644x21671; md607645; md618458; m642x33371

Servicing: 23300-09E10; -T9009; 34466-03101; -200; -20102; -20201; M2T25381; -981; -54371; -54372; -54471; -54

I.D. 76.50



139236 C.E. Bracket

Replacing: n202-24-720; m644b10201; mm502346; 23337-n5910

Servicing: 23300-05E10; -C010; -P510; -18C70; -26V11; -H9112; -N5911; M2T24081; -2; -181; -281; -5081; -5082;

I.D. 76.00



230872 C.E. Bracket

Replacing: m642x16871; -3; m642x31373; m642x40273; 23337-01n10; 23337-72f10; JF01-18-X80A; m642x16872

Servicing: 23300-20P11; -30F11; -44R11; -48L10; -4E210; -50Y11; -52F10; -53J12; -57M71; -60U11; -60U12; -65F10



231000 C.E. Bracket

Replacing: e356-18-x80; m642b16371; md607927; 23337-53j10

Servicing: 23300-53J15; M3T10476D; M3T24482H; -J; -K; -6A; -6H; M3T25981; -30881; -30981; -32588; -32591; -325

I.D. 84.5



231264 C.E. Bracket

Replacing: m642x18171; m642x19373

Servicing: M1T60281; -8381; -70483; -73383; MD172860; -1; MOO1T68381

I.D. 72.50



231291 C.E. Bracket

Replacing: m642x17373; m644b16403; m642x18873; m642x19273

Servicing: M1T70481; -1281; M1T71281B; m1t71781; -2581; -2583; M1T72583G; M1T73281; -3; -5; -381; -881; -4381;



231502 C.E. Bracket

Replacing: 0222-24-740; m642b10271; m642b14371; md602211; 23357-p0610; 137852

Servicing: 23300-U0114; A3T22681; M3T10372; -473; -475; -476; -672; -1173; -1174; -1272; -2572; -5772; -9071;

I.D. 85.00



231503 C.E. Bracket

Replacing: m642x28771; md618968

Servicing: M2T84071; -171; -571; -5471; -7071; -7171; -7371; -7571; -7971; -8071; -8171; M8T70071; -1471; -803

I.D. 76.50



231571 C.E. Bracket

Replacing: m642b16874; 23337-aa020; m642x34174

Servicing: M1T70381; M1T70381A; -4081A; M1T75681; -6381; -7181; -7981; -84281; -84481

I.D. 72.00



231580 C.E. Bracket

Replacing: m642b15871; md611047; 23337-m8011

Servicing: 23300-41B10; -5; -71; -73C10; -73Y10; -H5015; -M8011; -M8212; M2T20181; M2T20181D; M2T30281; -381;

I.D. 75.80



231775 C.E. Bracket

Replacing: m642x28371; 23337-0m210

Servicing: 23300-1M210; -5; M0T80281; -5

I.D. 68.50



232490 C.E. Bracket

Replacing: e5pz11049a; m644b20701

Servicing: 34766-20901; M3T54071; -6071; -6072; -6076; -6082; -6174; -6181; -6182; -6183; -6272; -6471; -7371;

I.D. 84.50

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



234047 C.E. Bracket

Replacing: m642x29871
Servicing: M8T75071; M8T75071A; M8T75073; M8T75073A; M8T80471; M8T80471A; M8T80472; M8T80472A; ME201650
I.D. 75.45

D.E. Brackets



134330 D.E. Bracket

Replacing: m641x07771; -2; 23318-w1012
Servicing: 23300-18C70; m2t52871; -81; -82



135480 D.E. Bracket

Replacing: m641x48772; md607145
Servicing: M3T12572



135482 D.E. Bracket

Replacing: 8088-24-710; m641x02271
Servicing: M3T20081; -5081; -30081; -30082; -32081; -32082



135483 D.E. Bracket

Replacing: m641x04672; -5; -8; -81; -83; 23318-p5112; -3; 23318-r9000; -1
Servicing: M3T11272; -21281; -21282; -21881; -21882; -25181; MEA13-1



135484 D.E. Bracket

Replacing: m641x02371; m641b02371
Servicing: M3T20181; MEA02-1



135485 D.E. Bracket

Replacing: m641x33171; -2; -3; -5; -84; md607923; md611080; -371; md618442; 36110-21740
Servicing: m3t32588; -9; -91; -92; -93; -41081; MD107614; -62836



136068 D.E. Bracket

Replacing: m641x84371; mm502527
Servicing: M2T58581; MM115518



136070 D.E. Bracket

Replacing: m641x06671; -2; 23318-u0113; -4
Servicing: 23300-U0114; M3T10672; -20681; M3T20681A; MEA07-1



136565 D.E. Bracket



136753 D.E. Bracket

Replacing: b303-18-x00; b630-18-x00a; e356-18-x00a; e357-18-x00; m641x37771; -2; m641x80371; m641x81471
Servicing: M3T30881; -3281; -8881; -8882; -8883; -8885; -49581



136756 D.E. Bracket

Replacing: k805-18-x00; m641x95771
Servicing: M1T75581



136759 D.E. Bracket



136761 D.E. Bracket

Replacing: m641x37471; -8; md611221; 36110-32500; -10

Servicing: M1T70481; -3; M2T53083; MD172860



136762 D.E. Bracket

Replacing: m641x35671; -3; -4; 23318-00h10; -1; 23337-t5000

Servicing: M3T21281D; M3T21781; m3t21781d; -882d



137220 D.E. Bracket

Replacing: m641x67971; -2; -6

Servicing: M2T60171; -2; -1072



137221 D.E. Bracket

Replacing: m641x71871

Servicing: M2T74171; MD164976



137222 D.E. Bracket

Replacing: kl06-18-x00a; m641x95274

Servicing: M2T25681



137537 D.E. Bracket

Replacing: pn11-18-x00; pn22-18-x00; m641x39171; -2

Servicing: M2T51281; -2



137587 D.E. Bracket

Replacing: m641x35571; m641x43971; 23318-h5010; -3

Servicing: M2T10171; -20181; M2T20181D



137641 D.E. Bracket

Replacing: m641x71272; -8

Servicing: M2T67881; -3; -4; ME017085



137690 D.E. Bracket

Replacing: m641x68972; -4

Servicing: M2T66871; -3; -7871; -7873



137710 D.E. Bracket

Replacing: m641x43075; -7

Servicing: M3T10473; -5; -6; -1173; -1174



137712 D.E. Bracket

Replacing: m641x63271; m641x67371

Servicing: 34466-20102; M2T56472; -65271; -65272

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



137715 D.E. Bracket

Replacing: m641x87971; -2
Servicing: 23300-79E10; M1T60181; -5

Bearing: Cargo 140868.



137922 D.E. Bracket

Replacing: m641x85071; -3; 23318-30r10
Servicing: 23300-30R13; M1T72281; M1T72281A



137926 D.E. Bracket

Replacing: g601-18-x00; m641x85671
Servicing: M1T50471



138404 D.E. Bracket

Replacing: f2d4-18-x00; m641x82271; -3
Servicing: M1T71281; M1T71281A; -B



138405 D.E. Bracket

Replacing: m641x66172; -3; m641x67771; md607847
Servicing: m2t56181; -2; -5; -7271; MD164975



139232 D.E. Bracket

Replacing: m641x33671; md607930
Servicing: M2T51181



139233 D.E. Bracket

Replacing: m641x83578
Servicing: 23300-81N11; M1T72087; M1T72087A; M2T72087; M2T72087a

---



139234 D.E. Bracket

Replacing: m641x90172; md618342; m641x90177; -1
Servicing: M1T73381; -3; MD172861



139235 D.E. Bracket

Replacing: m641x96172; md618608
Servicing: M2T44081; MD180238



139293 D.E. Bracket

Replacing: m641x91871; -2; -4
Servicing: M2T37281; -42581; -42681



230461 D.E. Bracket

Replacing: m641x37271
Servicing: M1T74081; M1T74081A; M1T74087; -5681; -84481



230497 D.E. Bracket

Replacing: m641xa4271; -4; m642x32473; m642x37373
Servicing: M0T60081; m0t60081a; M0T60581; -91281; -92181



230567 D.E. Bracket

Replacing: m641x35771; -2; 31151-83010
Servicing: m3t34781; -2; -8981; -41781



230568 D.E. Bracket

Replacing: m641x83771; 31151-60a10
Servicing: M1T72481; M1T72483ZC; M1T74581; -3



230648 D.E. Bracket

Replacing: m641x65471; -2
Servicing: M2T56272; -65671



230871 D.E. Bracket

Replacing: m641x88071; -3; -5; 23318-4e210; 23318-53j11; -2
Servicing: 23300-4E210; -53J12; M1T72981; m1t72981a; m1t72985; -8881



231177 D.E. Bracket

Replacing: m641x31771; -2
Servicing: m2t54085



231193 D.E. Bracket

Replacing: m641x89671; tm090a04301
Servicing: M3T42781; mc109032; MD162838



231206 D.E. Bracket

Replacing: m641x39472
Servicing: M1T71481; -4281



231315 D.E. Bracket

Replacing: m641x39471; -5; 23318-d0510
Servicing: M1T70981; m1t70981a; m1t70982; m1t70982a



231364 D.E. Bracket

Replacing: 231289; -364
Servicing: M1T74286; m1t74286zc; M1T74287; m1t74287zc



231365 D.E. Bracket

Replacing: m641x38471
Servicing: M3T30981



231366 D.E. Bracket

Replacing: m641x32972
Servicing: m2t30481; -585; -586; -41381; -41581; -41586; -42381



231367 D.E. Bracket

Replacing: m641xa4571; -2
Servicing: m1t74283; -9681; -9781

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



231395 D.E. Bracket

Replacing: m641x81073; md611290; m641x81071
Servicing: M1T71381; -2581



231572 D.E. Bracket

Replacing: m641xa1571; 23318-1m215
Servicing: 23300-1M215; M0T80285



231788 D.E. Bracket

Replacing: m641x88671
Servicing: M1T60281



233062 D.E. Bracket



233455 D.E. Bracket

Replacing: M841X84571
Servicing: m2t54091



233802 D.E. Bracket



233901 D.E. Bracket

Replacing: m641xa3275; -6
Servicing: M0T80581; -1281; -1283; -1284; -7581; MD301351; -32022



233903 D.E. Bracket

Replacing: m641x93871
Servicing: M2T58681; -881; MD171228



233904 D.E. Bracket

Replacing: m641x03971; -2; mm502398
Servicing: M2T50371; -81



233906 D.E. Bracket

Replacing: m641xa2971
Servicing: M3T44081; MD301348



233982 D.E. Bracket

Replacing: m641x89271
Servicing: M3T48181



233983 D.E. Bracket

Replacing: m641x95371
Servicing: M1T77181



234034 D.E. Bracket

Servicing: m1t79481; -2



234046 D.E. Bracket

Replacing: m641xa3471

Servicing: M8T75071; ME201650



234225 D.E. Bracket



234539 D.E. Bracket

Replacing: m641xa2072

Servicing: M2T87171; MD315548



234704 D.E. Bracket

Replacing: m641x99271

Servicing: M3T43381; MD192227

Bushing in D.E.Bracket: 140186, 140187, 140194



234706 D.E. Bracket

Replacing: f601-24-710a; f850-24-710b; f850-24-x00a; m641x06976; -87

Servicing: M3T24482; -30281; -30282; -30285; -30286; -33581; -33582; -33586; -33587; -39385



234931 D.E. Bracket

Servicing: m2t87671



235123 D.E. Bracket

Servicing: m1t80381; -481



235329 D.E. Bracket

Replacing: m641xa0872

Servicing: M2T87071; M2T87071ZT; MD312858

Needle Bearing: Cargo 141090



235339 D.E. Bracket

Replacing: m641xb2971

Servicing: M2T87971

I.M. Brackets



138619 I.M. Bracket

Replacing: m640b28371; md611018

Servicing: M2T60171; -2; -85; -671; -1071; -1072; -1171; -1271; -2771; -2971; -3071; -3171; MD164977; -8; -914

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



138954 I.M. Bracket

Replacing: 8599-24-721; m640b12671; me700114; 23383-t9000
Servicing: 23300-T9009; M2T54271; -371; -372; -471; -572; -771; -5571; -6171; -7671; M2T57671A; M2T57673; M2T5

Bushing: Cargo 140908.



230647 I.M. Bracket

Replacing: pn11-18-x75; m640b13472
Servicing: M2T51281; -2; -2281



231196 I.M. Bracket

Replacing: m640b28071; md607794
Servicing: M2T56181; -2; -5; -7271; -7273; -7771; -7773; -74171; MD164975; -6; -91433; -91434



231813 I.M. Bracket

Replacing: m640b28771; me700972
Servicing: M2T57871; -81; -61771; -67881; -67882; -67883; -67981; ME001565; -7655; -17085; -17646



231988 I.M. Bracket

Replacing: m640b26571
Servicing: 23300-09E10; 34466-03101; -200; -20102; -20201; M2T54671; -6471; -6472; -7371; -60571; -64178; -652

Solenoids



131802 Solenoid

Replacing: 1470-24-736; 1757-24-760; 8872-24-736; n202-18-x10; n226-18-760; m371x00272; -382; m371x17271; m371x
Servicing: 23300-U0114; M1T50471; M2T10171; -271; -20181; M2T20181A; M2T20281; -3181; -50581; -50585; -50981;
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133273.



132095 Solenoid

Replacing: 8218-24-760; m371x31271; m371x33371; zm-693
Servicing: m1t73481a; -5381a; M3T10372; -20781; -22081; -22381; -22781; -24181; -24482; -24486; -25081; -30081
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133113.



132470 Solenoid

Replacing: 0839-24-736b; 1363-24-736; m371x11171; m371x14571; m371x41971; M371X12571; 23343-99101
Servicing: M5T20171; -3271; -3272
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 230005.



132471 Solenoid

Replacing: m371x46071
Servicing: M2T51083; -4771
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 134625.



132472 Solenoid

Replacing: m371x45971; m372x00171; m372x02171; -371; m372x06871; md607448; 23343-05e10; 191-1430; zm-894
Servicing: 23300-05E10; -9E10; M2T51085; -4172; -4271; -4272; -4871; -4881; -6071; -6072; -7371; -63371; M3T61
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133286.



132473 Solenoid

Replacing: e3tz11390a; 8599-24-736; m372x04171; zm-891
Servicing: M2T51082; -805; -4371; -4372; -7271; -7273; -7771; -7773; -60071; -60072; -60172; -60671; -61072; -
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 134625.



132591 Solenoid

Replacing: m372x10171; -271; -371; -372; -971; m372x11071; -171; me700119; -35; -316; zm-896; ME700984; M371X02
Servicing: 23300-T9009; 34466-03101; -20102; M2T64271; -371; -372; -373; -471; -5271; -5272; -6071; -6871; -68
V. 24, **B+** M8, **Coil bolt** M8
Cap: Cargo 230914.



132763 Solenoid

Replacing: m371x01871; zm-1691
Servicing: M2T50371; -91; -2071; M3T10071; -471; -475; -476; -1173; -1174; -21781; -22581; -25181; -25781; -25
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133284.



132917 Solenoid

Replacing: 4854-24-736; m371x45471
Servicing: M5T22175; -6
V. 12, **B+** M10, **Coil bolt** M10
Cap: Cargo 133287.



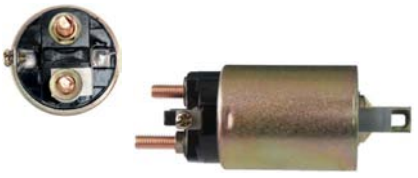
133039 Solenoid

Replacing: m371x68771
Servicing: M1T70985; -1581; -1681
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138822.



133049 Solenoid

Replacing: 8937-24-760; je26-18-x10; n326-18-x10; m371x58671; m371x64271; -3; -471; -671; -971; m371x66771; m37
Servicing: 23300-H5015; -M8211; -M8212; -W9810; M0T70681; -781; -1581; -1681; -82381; M1T60081; -185; -681; -7
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133285.



133050 Solenoid

Replacing: m372x00371; 4854-24-736
Servicing: 34466-03200; -20201; M2T54671; -5571; -6471; -6472; -60271; -60571; -61371; -61471; -92271; M2T9227
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133286.



133052 Solenoid

Replacing: toj214; 0324-24-760; 0324-24-760a; 0342-24-760; 1758-24-736a; fe79-18-x10; m371x02471; m371x16171; -
Servicing: 23300-0C010; -M8111; -N5911; A3T22681; M1T50071; m2t23685; -4281; -5481; -5681; -50171; -50181; -50
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133287.



133053 Solenoid

Replacing: m371x36271; m371x59671; md607412; zm-694
Servicing: m2t51281; -2; -3081; -3082; -3085; M3T29681; -33181
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133273.



133288 Solenoid

Replacing: 15852-63020; f2d4-18-x10; pn11-18-x10; m371x60371; m371x62171; -2; -271; -272; -371; -671; -771; -87
Servicing: 23300-01E12; -3; -3E11; -8U10; -18V10; -20P11; -30F11; -41B10; -41B15; -41B16; -44R11; -48L10; -4E2
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133287.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



133289 Solenoid

Replacing: m371x60271; m371x74671; md607997; zm-1699; zm-2699; zm-4699; zm-696; -9; 36120-11140; MD618581; -613

Servicing: M0T70381; -481; M1T70481; -3; -5; -3381; -3383; M2T40081; -9881; -53083; M3T32592; -3; -41081; -410

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 134915.



133521 Solenoid

Replacing: m371x42071; m371x45171; mm502117; 2869-24-736; m371x12071

Servicing: M5T25171; -7672

V. 24, **B+** M8, **Coil bolt** M8

Cap: Cargo 230005.



134413 Solenoid

Replacing: 4n6938; 053400-1350; -1; -680; 28150-66011; 28150-77060; 053400-2090; ME021996; ME023103; 28150-7706

Servicing: 028000-4130; -1; -5250; -5251; 128000-0480

V. 24, **B+** M10, **Coil bolt** M10

Cap: Cargo 137869.



135590 Solenoid

Replacing: m371x63171; -271; -571; m371x79273; 31220-82230; 021200-3251

Servicing: 100211-0141; -2; -321; -322; M2T30281; -385; -585; -586; -685; -785; -3871; -41881; M3T24486A; -H;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 137797.



136142 Solenoid

Replacing: m371x21571; me700278

Servicing: M3T95071; -3; -81; -82; m4t55076; ME057985; -90

V. 24, **B+** M10, **Coil bolt** M8

Cap: Cargo 234318.



136327 Solenoid

Replacing: m371x68971; m371x69671; 23343-22p71; 23343-57m70; -5

Servicing: m1t70685; -7; m1t73481a; m1t75381; m1t75381a

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 137871.



136344 Solenoid

Replacing: m371x20671; -2; se01-24-736; m371x20271; 1372-24-736; ME700215

Servicing: 34766-20901; M2T69171; -78071; -78271; M3T56174; -81; -82; -83; -272; -471; -7371; -7575; -8071; -8

V. 24, **B+** M8, **Coil bolt** M8

Cap: Cargo 137870.



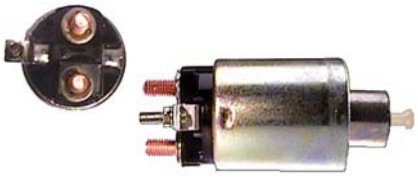
136376 Solenoid

Replacing: m371x61371; md611378; zm-798

Servicing: M3T41285

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 138008.



137813 Solenoid

Replacing: 8933002708; 8983503655; m371x62571; m371x94071; zm-1695; zm-695

Servicing: M1T74281; -9481; -9482

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 232225.



137930 Solenoid

Replacing: m371x64371; m371x66371; m371x78371; m371x92575; 23343-60u10; zm-794

Servicing: M1T60281; -5; -70686; M3T38482; -41186

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 137931.



138011 Solenoid

Replacing: m371x76275; -371; 23343-30r13; -5; zm-4793; zm-793; m371x69171; 23343-85a11

Servicing: 23300-30R13; M1T72281; M1T72281A; m1t72985

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 138821.



138012 Solenoid

Replacing: m371x64771; m371x76871; -5; m375x00271; m385x00271; 23343-50y13; 23343-70t11; 23343-84a17; zm-4792;

Servicing: 23300-1M215; -50Y11; -50Y12; -50Y14; -73C10; -81N11; M0T70281; -5; -80285; M0T80285A; M0T83581; m1t

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 231107.



138013 Solenoid

Replacing: am15-18-x10; 138013

Servicing: m1t76081

V. 12, **B+** M8, **Coil bolt** M8

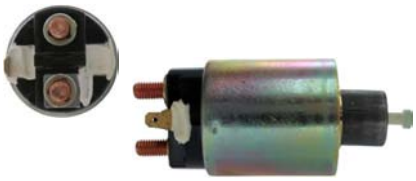


138418 Solenoid

Replacing: m371x20571; -2; me700035; me701290

Servicing: M3T56071; -2; -4; -6; -82; -84; -85; M5T50176; ME037636; -49182; -77407; -77408; -77565

V. 24, **B+** M8, **Coil bolt** M8



138618 Solenoid

Replacing: m371x72271; m371x93575; 23343-00h11

Servicing: M1T60381; -6081

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133287.



138820 Solenoid

Replacing: m371x52471

Servicing: m2t23685; -5481; -53881; -58481

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 134626.



139202 Solenoid

Replacing: fp13-18-x10; m371x74071; md619101; m371xa1874; m371x93975

Servicing: M0T80381; -581; -831; -1281; -1283; -1284; -2281; -7581; M1T77081; -381; M2T44781; M3T44081; M8T714

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 230385.



139408 Solenoid

Replacing: m371x80671; md618509

Servicing: M2T58081; -681; -781; -881; MD171228; -502

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133287.



139537 Solenoid

Replacing: m371xa0273; md618972; m371xa0274; m71xa0274; me701462

Servicing: M2T84071; -171; -571; -5271; -7071; -7171; -7371; -7871; -7971; -8071; -8171; -8271; M8T71371; -507

V. 12, **B+** M8, **Coil bolt** M8



139586 Solenoid

Replacing: 4782-24-736; m372x01171

Servicing: m2t54571; -2

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133286.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



139614 Solenoid

Replacing: e5pz11390a; m372x06971; zm-890
Servicing: M3T90071; -2
V. 12, **B+** M10, **Coil bolt** M8



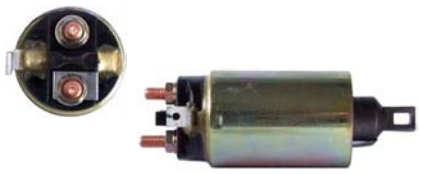
139824 Solenoid

Replacing: m372x11871; me701490
Servicing: M8T80071; M8T80071A; -B; ME012995
V. 24, **B+** M8, **Coil bolt** M8
w/ solenoid plug.



230199 Solenoid

Replacing: m371xa0773
Servicing: m1t66081; M8T70071
V. 12, **B+** M8, **Coil bolt** M8



230204 Solenoid

Replacing: m372x02471
Servicing: M2T62271; M3T67171; -2; -671
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 134625.



230788 Solenoid

Replacing: zm-993; 230788
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139600.



231454 Solenoid

Replacing: m375x00371; 23343-om210; F4XY11390A; 23343-0b710; 23343-0m210
Servicing: 23300-1M210; M0T80281; M0T80281A; M1T64285
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231107.



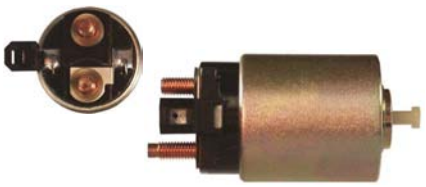
231457 Solenoid

Replacing: zm-892; f4tz11390a; m372x06171
Servicing: M2T54471; m8t50071; -70471; -70971
V. 12, **B+** M10, **Coil bolt** M8
Cap: Cargo 231458.



231780 Solenoid

Replacing: m371x21071; me700853
Servicing: M2T78372; -81; -82; -83; ME087590
V. 24, **B+** M8, **Coil bolt** M8



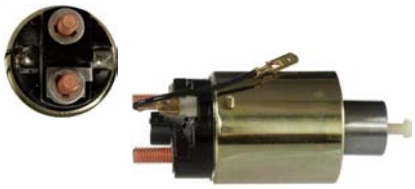
231820 Solenoid

Replacing: m372x79873; zm-992
Servicing: m1t78581; -681
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 232019.



231976 Solenoid

Replacing: 0222-24-760; 0222-24-760a; m371x00171; -372; -392; m371x02871; md602074; -879; md607549; 23343-p0610
Servicing: M1T50171; M2T50285; -881; -2082; -3581; -3882; -4091; -4095; -5871; -8285; M3T10072; -473; -977; -2
V. 12, **B+** M8, **Coil bolt** M8



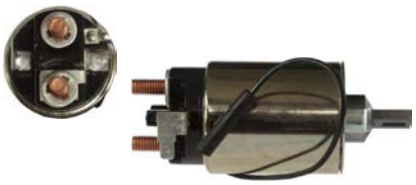
231977 Solenoid

Replacing: e356-18-x10; m371x60171; md607889; md618728; m371x71473
Servicing: M0T71981; m1t70481; M3T25981; -32591; M3T33586D; M3T37481; -42681; -42881; MD189054
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133287.



231978 Solenoid

Replacing: zm-795; 231978
Servicing: M1T73581; -4481; -4482
V. 12, **B+** M8, **Coil bolt** M8



231979 Solenoid

Replacing: m371x51371; zm-796
Servicing: M2T53086; m3t25885
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138008.



231981 Solenoid

Replacing: r201-24-736; m372x00471; md607634; zm-893
Servicing: M2T56171; -81; -82; -271; -272; -971; -60171; -60185; -61071; -61171; -63271; -74171; -92071; M2T92
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 134626.



231982 Solenoid

Replacing: zm-991; M371X78773
Servicing: m1t77777; m1t77777zc; m1t77781
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 232018.



231983 Solenoid

Replacing: zm-994; 31220-p5a-005; 31220-PY3-024; m371x66971
Servicing: m2t80081; -281; -481; -681; -4471
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 232224.



233031 Solenoid

Replacing: m371x92475; m371x93275
Servicing: 23300-4E100; M1T73881
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 233032.



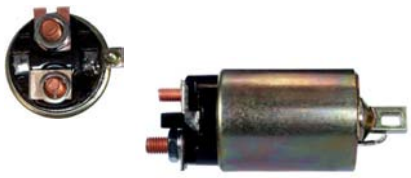
233123 Solenoid

Replacing: m372x04471; E5TZ11390A
Servicing: M2T60371
V. 12, **B+** M8, **Coil bolt** M8



233133 Solenoid

Replacing: 10498715; m371x56971
Servicing: 5MT. 10455706; -65038; 1998518; -45; M1T50271; -371; -671
V. 12, **B+** M10, **Coil bolt** M8



233135 Solenoid

Replacing: 22516196; m372x06271
Servicing: 15MT.
V. 12



233136 Solenoid

Replacing: m371x15471; -2
Servicing: 23300-30P16; -7; M2T25281; -2; MM02T25282
V. 12, **B+** M8, **Coil bolt** M8
w/ solenoid plug.



233137 Solenoid

Replacing: m371x17771; 23343-0m215
Servicing: M3T26785
V. 12, **B+** M8, **Coil bolt** M8
w/ solenoid plug.



233709 Solenoid

Replacing: zm-2993; 233709
Servicing: m2t80582; -7671
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231860.



233889 Solenoid

Servicing: m1t78481
V. 12, **B+** M8, **Coil bolt** M8

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



233891 Safety Switch

Replacing: me701689; u001x06096; u001x31272
Servicing: M2T69381; M8T61171; -85071; M8T85071A; -B; ME012994; -3007; -7628
V. 24



234113 Solenoid

Replacing: m370x90471; 5a7166; m347x00371
V. 24, **B+** M10, **Coil bolt** M10



234114 Solenoid

Replacing: M373X10581
Servicing: 39MT. 19011500; m9t70379
V. 12, **B+** M12, **Coil bolt** M12



234291 Solenoid

Replacing: m371x22471
Servicing: M3T67281
V. 12, **B+** M8, **Coil bolt** M8



234292 Solenoid

Replacing: m371x22371
Servicing: M3T90271; -2; -3
V. 12, **B+** M8, **Coil bolt** M8



234319 Solenoid

Replacing: m373x04571; m373x05171; me700174; m373x04771
Servicing: M4T95075; -6; -81; -82; -681; M5T50071; -177; -179; -277; ME090542; -3; ME120583
V. 12, **B+** M10, **Coil bolt** M10
Cap: Cargo 234321.



234320 Solenoid

Replacing: m373x04071; ME700196
Servicing: M4T55076; -7
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 234321.



234482 Solenoid

Replacing: m371x20871; ME700379
Servicing: M2T69081; -78481; -78482; M3T58371; ME013390; -1
V. 24, **B+** M8, **Coil bolt** M8



234484 Solenoid

Replacing: m371xb2270; -1; -671; VS20-18-X10
Servicing: m8t60171; -87371
V. 24, **B+** M8, **Coil bolt** M8



234545 Solenoid

Replacing: m373x02072; 4872-24-736
Servicing: M6T20071; -471
V. 12, **B+** M10, **Coil bolt** M10
5 terminals.



234723 Solenoid

Replacing: m371x22571; slsk-18-810
Servicing: M3T66572; -7771
V. 12, **B+** M8, **Coil bolt** M8



234871 Solenoid

Replacing: m371x20171; ME700307
Servicing: M4T50073
V. 24, **B+** M8, **Coil bolt** M8



234872 Solenoid

Replacing: me701443; m371xb2371; -571; me701442; VS10-18-X10; m371xb2171
Servicing: M8T60071; M8T60071A; M8T60072; M8T60072A; M8T60073; M8T60073A; M8T60271; M8T60271A; M8T60371; -2; -
V. 24, **B+** M8, **Coil bolt** M8



234875 Solenoid

Replacing: m373x05071; 4y0346; M371X05071
Servicing: M4T95478; -9; -80; -81
V. 24, **B+** M10, **Coil bolt** M10



235100 Solenoid

Servicing: m0t86181; -7881; -91581; m1t85781
V. 12, **B+** M8, **Coil bolt** M8



235103 Solenoid

Replacing: m373x05671
Servicing: M3T65071; M5T65071; ME077044
V. 12, **B+** M12



235385 Solenoid

Replacing: M372xB0571
Servicing: 34MT Type 500.
V. 12, **B+** M10, **Coil bolt** M10



235495 Solenoid

Replacing: 235495; res11637
Servicing: M0T45071ZT; m2t13081
V. 12, **B+** M8/19.5



237102 Solenoid

Replacing: m371xb4171
Servicing: 34MT. m9t60371; -471; -671; -672
V. 24

237498 Solenoid

Servicing: m0t84881; M0T84881ZC; -2ZC; m1t84381zc
V. 12



237845 Solenoid

Replacing: 10514696; 10515696; 10511799; m373x07671
Servicing: 39MT. 19011501; M9T80472; -2479
V. 24, **B+** M12, **Coil bolt** M12

Solenoid Parts

Coils

Pkg 10



134673 Moving Contact

Servicing: M2T54871; -87671; M3T22581; -30781; -32582; -32583; -32584
L. 30.20, **Th.** 2.95, **W.** 17.55
Assort. 803036

Pkg 10



135017 Contact Plate

Servicing: M2T52071; M3T21781; -5781; -5782; -5785; -5882
L. 30.00, **Th.** 3.00, **W.** 14.00, **Material** Copper
Assort. 803036

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



135137 Moving Contact

Servicing: M1T72985; M2T50371; M3T24482; -5081; -30081; -30282; -30285; -32081; -32082; -33581; -33582; -33586

L. 30.25, **Th.** 3.00, **W.** 11.15/14.10, **Material** Copper
Assort. 803036

Pkg 10



136858 Contact Plate

L. 30.00, **W.** 14.10, **Material** Copper



233056 Terminal

L. 41.95, **Thread** M8

Pkg 10



233064 Solenoid Screw

Thread L. 31.45, **L.** 46.25, **Thread** M6

Solenoid Caps

Pkg 5



133113 Solenoid Cap

Replacing: zm-69396; 133113
Servicing: m371x33371
O.D. 49.50, **No. of leads** 4, **Bracket type** Crimp



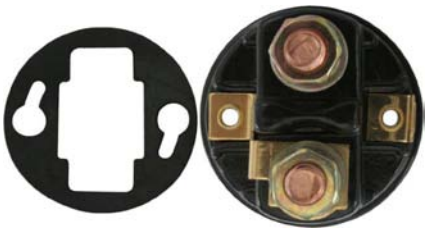
133273 Solenoid Cap

Replacing: zm-69296; 133273
Servicing: M2T10171; -271; -20181; -23181; -50581; m371x00272; -17271; -34471; -36271; -54671; M3T10372; -9871
O.D. 49.45, **No. of leads** 3, **Bracket type** Crimp



133284 Solenoid Cap

Replacing: zm-169196; 133284
Servicing: M1T60185; -70781; -70985; -74381; M2T30881; -52071; m371x01871; -64273; -64471; -64771; -64971; M3T
O.D. 49.30, **No. of leads** 3, **Bracket type** Crimp



133285 Solenoid Cap

Replacing: zm-169896; 133285
Servicing: M1T70982; M1T70982A; M1T71382; -2985; m371x62171; -371; -3071; -4271
O.D. 49.25, **No. of leads** 3, **Bracket type** Crimp



133286 Solenoid Cap

Replacing: zm-89496; 133286
Servicing: M2T54172; -871; m372x00171; -471
O.D. 53.20, **No. of leads** 3, **Bracket type** Crimp

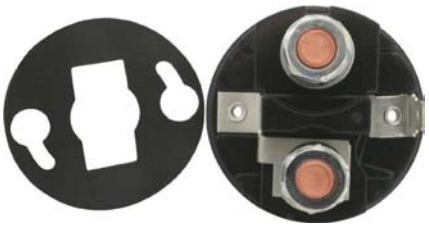
Pkg 5



133287 Solenoid Cap

Replacing: zm-69096; -796; 231984; 139603; 133287
Servicing: M1T74081; -7; M2T30481; -41581; -42381; m371x00171; -3; -16171; -45471; -52471; -58871; -60171; -68
O.D. 49.45, **No. of leads** 3, **Bracket type** Crimp
w/ gasket.

Pkg 5



134625 Solenoid Cap

Replacing: zm-89196; 134625
Servicing: m1t77781; M2T51082; -805; m371x02471; -4171; -46071
O.D. 53.00, **No. of leads** 3, **Bracket type** Crimp



134626 Solenoid Cap

Replacing: zm-68396; 134626
Servicing: M2T56185; -66873; -67884; m372x00371; M3T54072; MG232415
O.D. 53.55, **No. of leads** 3, **Bracket type** Crimp



134915 Solenoid Cap

Replacing: zm-69696; 134915
Servicing: m371x60271
O.D. 49.25, **No. of leads** 4, **Bracket type** Crimp



137797 Solenoid Cap

Servicing: m371x63171; -271; -571
O.D. 49.45, **No. of leads** 4, **Bracket type** Crimp



137870 Solenoid Cap

Servicing: m371x20171; -271; -671; -672; -2071
O.D. 54.00, **No. of leads** 3



137871 Solenoid Cap

Servicing: m371x68971; -9671
O.D. 49.45, **No. of leads** 4, **Bracket type** Crimp
w/ solenoid plug.



137931 Solenoid Cap

Replacing: zm-79496; 137931
Servicing: m371x92575
O.D. 49.15, **No. of leads** 3, **Bracket type** Crimp
w/ solenoid plug.

Pkg 5



138008 Solenoid Cap

Replacing: zm-79896; 138008
Servicing: m371x51371; -61371
O.D. 49.60, **No. of leads** 4, **Bracket type** Crimp



138821 Solenoid Cap

Replacing: zm-79396; 138821
Servicing: m371x69171; -76275; -76371
O.D. 49.50, **No. of leads** 3, **Bracket type** Crimp
w/ solenoid plug.



138822 Solenoid Cap

Replacing: m371x77771
Servicing: M1T71681; M1T71681A; m371x68771
O.D. 49.55, **No. of leads** 3, **Bracket type** Crimp



139600 Solenoid Cap

Replacing: zm-99396; 139600
Servicing: m0t80082; m1t80081; -2; -90281
O.D. 49.65, **No. of leads** 3, **Bracket type** Crimp

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



230005 Solenoid Cap

Servicing: M371X41771; -971; -2071; -2171; -5171

O.D. 48.90, **No. of leads** 3, **Bracket type** Crimp



230385 Solenoid Cap

Servicing: m371x93975

O.D. 49.00, **No. of leads** 3, **Bracket type** Crimp



230914 Solenoid Cap

Replacing: zm-89696; 230914

Servicing: m372x10271

O.D. 53.45, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



231107 Solenoid Cap

Replacing: zm-79296; 231107

Servicing: m0t70281; -5; -80285; m0t80285a; m2t49283

O.D. 49.60, **No. of leads** 3, **Bracket type** Crimp



231458 Solenoid Cap

Replacing: zm-89096; 231458

O.D. 53.45, **No. of leads** 3, **Bracket type** Crimp



231860 Solenoid Cap

Servicing: m2t80582; -7671

O.D. 49.65, **No. of leads** 3, **Bracket type** Crimp



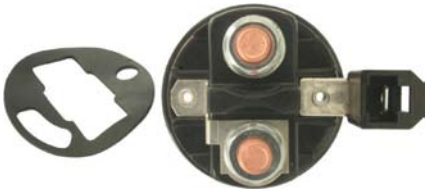
232017 Solenoid Cap

Replacing: zm-79996; 232017

Servicing: m371x82171

O.D. 49.70, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



232018 Solenoid Cap

Replacing: zm-99196; 232018

O.D. 49.50, **No. of leads** 3, **Bracket type** Crimp



232019 Solenoid Cap

Replacing: zm-99296; 232019

Servicing: m372x79873

O.D. 49.40, **No. of leads** 3, **Bracket type** Crimp



232224 Solenoid Cap

Replacing: zm-99496; 232224

O.D. 49.75, **No. of leads** 2, **Bracket type** Crimp



232225 Solenoid Cap

Replacing: zm-169596; zm-69596; 232225

Servicing: M1T74281; M371X62571; -94071

O.D. 49.55, **No. of leads** 3, **Bracket type** Crimp



233032 Solenoid Cap

Servicing: m371x92475; -3275

O.D. 48.90, **No. of leads** 3

w/ solenoid plug.



233927 Solenoid Cap

O.D. 49.20, **No. of leads** 3, **Bracket type** Crimp



234318 Solenoid Cap

O.D. 54.75, **No. of leads** 3



234321 Solenoid Cap

O.D. 63.75, **No. of leads** 3

Pkg 5



238169 Solenoid Cap

Servicing: m2t74171; md140190; -64976

No. of leads 3

Moving Contacts

Pkg 5



133275 Moving Contact

Servicing: M1T70781; -982; -1382; M1T72483ZC; M3T30581; M3T30581J; M3T32381; -589; -985; -986; -988; -3981; -8

L. 30.05, **Th.** 2.60, **W.** 16.00/11.00, **Shaft** 26.00, **Material** Copper
Assort. 803036

Pkg 5



135106 Moving Contact

Servicing: M2T10171; -23181; M370X50171; -81; -571; -581; -971; m371x00181; -282

L. 31.30, **Th.** 2.85, **W.** 14.20, **Shaft** 33.65, **Material** Copper
Assort. 803036

Pkg 10



135108 Moving Contact

Servicing: m372x02371; -4171; -6171; -10171; -10371

L. 31.00, **Th.** 2.80, **W.** 14.50, **Shaft** 39.00, **Material** Copper
Assort. 803036

Pkg 5



139955 Moving Contact

Servicing: M0T82081; m371x62172; -272; -74071; -79273

L. 30.00, **Th.** 2.55, **W.** 16.00/11.00, **Shaft** 28.80, **Material** Copper
Assort. 803036

Pkg 5



233165 Moving Contact

L. 30.00, **Th.** 3.00, **W.** 16.00, **Shaft** 33.50, **Material** Copper

---

Pkg 5



233166 Moving Contact

L. 30.00, **Th.** 2.60, **W.** 16.00, **Shaft** 23.00, **Material** Copper

---

Pkg 5



233167 Moving Contact

L. 30.00, **Th.** 3.00, **W.** 16.00, **Shaft** 35.20, **Material** Copper

---

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



235099 Moving Contact

L. 31.00, **Th.** 2.60, **W.** 14.00, **Shaft** 29.20, **Material** Steel

---

235759 Moving Contact

Servicing: m3t90071; -2

Gaskets

Pkg 10



236445 Gasket

Servicing: m9t60371; -471; -671; -672; -1171

O.D. 44.50, **Th.** 3.50

Terminals



235066 Terminal

L. 37.90, **Terminals** 0227

Drives



130741 Drive

Replacing: tmj204; 0222-24-722; m191t30171; -971; -972; -973; m191t31671; m191t33071; md602052; -679; 23312-e30

Servicing: m191t33071; M2T10171; -271; -471; M3T10071; -2; -372; -1173; -1174; -2572; -5675; -5772; -5775; -90

O.D. 29.15, **I.D.** 12.85, **L.** 60.15, **No. of teeth** 9, **Splines** 8, **Rotation** CR, **Drive type** Steel

---



131087 Drive

Replacing: tmj210; 8088-24-722; m191t30974; m191t33371; -2; m191t34071; m191t35171; md607283; md608273; 23312-y

Servicing: 23300-U0114; A3T22681; M2T20181A; M2T20281; M3T10672; -1272; -20081; -20181; -20381; -20681; M3T206

O.D. 28.10, **I.D.** 12.75, **L.** 61.55, **No. of teeth** 8, **Splines** 8, **Rotation** CR, **Drive type** Steel

---



131110 Drive

Replacing: tmj400; 0290-24-830; md604047; 028300-0851; 028300-1020; -540; -542; 31320-63210; 28011-22010; -20;

Servicing: 028000-1850; -2150; -2151; -2240; -2241; -3500; -3501; -3800; -3830; -4040; -4042; -4050; -4343; -4

O.D. 29.10, **I.D.** 12.55, **L.** 64.00, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel

---



131628 Drive

Replacing: m191t30371; m191t31071; 1.01.0426.0

Servicing: M3T10471; -3; -5; -6

O.D. 34.40, **I.D.** 12.80, **L.** 60.60, **No. of teeth** 11, **Splines** 8, **Rotation** CR, **Drive type** Steel

---



132005 Drive

Replacing: e7gz11350a; f4bz11350a; sde332; -49; m191t22071; -371; -771; -971; m191t23071; -471; md607894; 23312

Servicing: 23300-01E13; -41B71; -60S10; -73Y10; -T5072; -W0417; M2T13381; -30381; -30385; -30581; -30585; -305

O.D. 28.00, **I.D.** 12.00, **L.** 56.00, **No. of teeth** 8, **Splines** 8, **Rotation** CR, **Drive type** Steel

---



132006 Drive

Replacing: m191t32071; 1.01.0359.0

Servicing: M2T30281; M4T16071; -8071; -8171

O.D. 29.00, **I.D.** 12.80, **L.** 87.15, **No. of teeth** 9, **Splines** 8, **Rotation** ACR, **Drive type** Steel

---

Abbrevations, see first pages
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



132007 Drive

Replacing: tmj217; 3648-24-709; m191t33171

Servicing: M3T26081; -281; -381

O.D. 27.45, **I.D.** 12.80, **L.** 87.15,
No. of teeth 8, **Splines** 8, **Rotation** ACR,
Drive type Steel



132008 Drive

Replacing: tmj225; n221-24-209; -709; m191t36371; 1.01.0472.0

Servicing: M3T36081; -481

O.D. 34.25, **I.D.** 12.45, **L.** 73.45,
No. of teeth 11, **Splines** 8, **Rotation** ACR,
Drive type Steel



132009 Drive

Replacing: m191t16071; m191t17071; 23312-aa010; 1.01.0616.0; 2382

Servicing: M1T74081; M1T74081A; M1T74087; -5681; -6381; -84281; -84481; m2t74081

O.D. 29.30, **I.D.** 12.00, **L.** 64.00,
No. of teeth 9, **Splines** 8, **Rotation** ACR,
Drive type Steel



132010 Drive

Replacing: m191t16171; 23312-aa000; 1.01.0600.0

Servicing: M0T30471; -71481; -81581; -84081; M1T70381; M1T70381A; m2t70381

O.D. 28.00, **I.D.** 12.00, **L.** 64.00,
No. of teeth 8, **Splines** 8, **Rotation** ACR,
Drive type Steel



132011 Drive

Replacing: am15-18-x25; m191t12070; -1; -471; 23354-42l70; 1.01.0595.0; 36145-32510

Servicing: 23300-08U10; -1; -20P11; -41B77; -41B78; -4E100; -50Y11; -50Y12; -50Y13; -50Y14; -50Y15; -57M71; -5

O.D. 28.00, **I.D.** 12.00, **L.** 51.00,
No. of teeth 8, **Splines** 8, **Rotation** CR,
Drive type Steel
Shaft kit/clucth kit: Cargo 138579 or shaft kit7clucth kit: Cargo 235285.

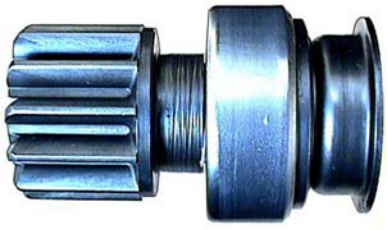


132012 Drive

Replacing: f214-18-x25; m191t12171; m191t13271; m191x13271; 23354-20r10; 1.01.0596.0; 135340

Servicing: 23300-30F11; -44R11; M0T80381; -831; -2381; -2481; -2482; -2483; M1T70981; M1T70981A; M1T70982; M1T

O.D. 31.55, **I.D.** 12.00, **L.** 51.25,
No. of teeth 10, **Splines** 8, **Rotation** CR,
Drive type Steel



132013 Drive

Replacing: jf01-18-x25; m191t12371; 1.01.0598.0

Servicing: M0T80981; -1081; M1T71781; M1T71781A; M1T73481; M1T73481A; m1t74381; M1T74381A; M1T75181; M1T75181A

O.D. 37.15, **I.D.** 11.70, **L.** 75.00,
No. of teeth 12, **Splines** 8, **Rotation** CR,
Drive type Steel



132014 Drive

Replacing: n326-18-x25; m191t16271; 1.01.0599.0

Servicing: M0T80881; M1T70781; -5581; -7081; m2t70781

O.D. 37.35, **I.D.** 11.85, **L.** 75.00,
No. of teeth 12, **Splines** 8, **Rotation** ACR,
Drive type Steel



132015 Drive

Replacing: n318-18-x25; m191t16371; 1.01.0618.0

Servicing: m1t30471; m1t30471a; M1T70881; M1T70881A; M1T74181; M1T74181A; M1T77581

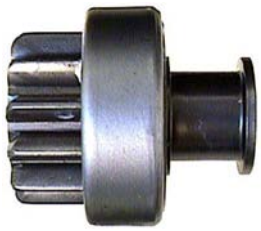
O.D. 39.90, **I.D.** 11.65, **L.** 75.75,
No. of teeth 13, **Splines** 8, **Rotation** ACR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



132481 Drive

Replacing: m191t33471; 1.01.0525.0
Servicing: M3T19371; -571
O.D. 25.30, **I.D.** 12.85, **L.** 73.60,
No. of teeth 9, **Splines** 8, **Rotation** CR,
Drive type Steel



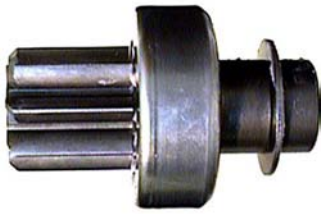
132765 Drive

Replacing: 4892-24-709; m191t58971; 1.01.0642.0
Servicing: M5T22175; -6
O.D. 47.35, **I.D.** 14.00, **L.** 65.85,
No. of teeth 12, **Splines** 10, **Rotation** CR,
Drive type Steel



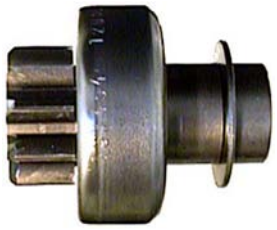
132822 Drive

Replacing: m191t34771; 1.01.0526.0
Servicing: M3T19871; -24181; -39781; -39881
O.D. 25.15, **I.D.** 12.85, **L.** 60.40,
No. of teeth 9, **Splines** 8, **Rotation** CR,
Drive type Steel



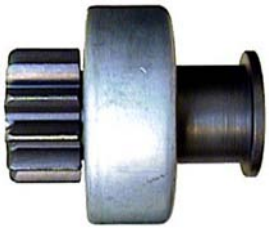
133268 Drive

Replacing: m191t26171; 1.01.0519.0
Servicing: 23300-41B10; -5; -73C10; -M8011; -M8212; M2T30681; -5; -6; -785; -786; -7081; -42781; -49281; -4928
O.D. 27.90, **I.D.** 12.00, **L.** 70.50,
No. of teeth 8, **Splines** 8, **Rotation** ACR,
Drive type Steel



133454 Drive

Replacing: 19837-63070; m191t22271; -871; m191t23171; 1.01.0584.0
Servicing: m2t30481; -41581; -42381; M3T33481; -49981
O.D. 29.00, **I.D.** 12.00, **L.** 55.60,
No. of teeth 9, **Splines** 8, **Rotation** CR,
Drive type Steel



133520 Drive

Replacing: m191t57081; -3; m191y57081; m191t57072
Servicing: M5T27672
O.D. 34.00, **I.D.** 14.35, **L.** 65.85,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



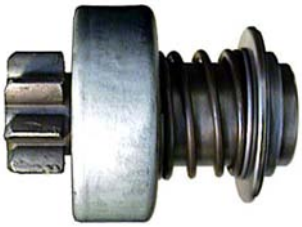
133684 Drive

Replacing: m191t36471; 1.01.0527.0
Servicing: M3T19971
O.D. 25.35, **I.D.** 12.95, **L.** 73.60,
No. of teeth 9, **Splines** 8, **Rotation** ACR,
Drive type Steel



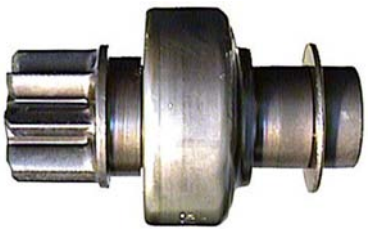
134918 Drive

Replacing: e8bz11350a; f4bz11350b; sde334; -50; b301-18-x45; m191t26771; 1.01.0636.0
Servicing: M3T33081
O.D. 28.00, **I.D.** 12.00, **L.** 56.20,
No. of teeth 8, **Splines** 8, **Rotation** ACR,
Drive type Steel



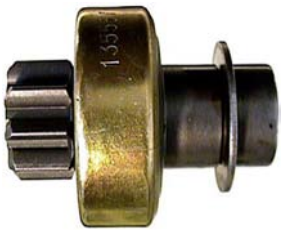
134925 Drive

Replacing: 9001336323; md618887
Servicing: 9000334103; 9003334103
O.D. 27.75, **I.D.** 12.00, **L.** 63.00,
No. of teeth 8, **Splines** 10, **Rotation** CR,
Drive type Steel



134960 Drive

Replacing: m191t36571; 31320-78130; 1.01.0678.0
Servicing: M2T23181; M3T22181; -5; -281
O.D. 27.85, **I.D.** 12.60, **L.** 73.55,
No. of teeth 8, **Splines** 8, **Rotation** ACR,
Drive type Steel



135567 Drive

Replacing: m191t22471; 1.01.0836.0
Servicing: m2t48381; M3T32985; -6; -8; -9
O.D. 24.80, **I.D.** 12.00, **L.** 56.00,
No. of teeth 9, **Splines** 8, **Rotation** CR,
Drive type Steel



135572 Drive

Replacing: m191t22571; 1.01.0853.0
Servicing: 23300-53J15; -H5015; M2T20181; M2T20181D; M2T42981; -5; M3T48281; M3T48281A; M3T48681; M3T48681A
O.D. 28.00, **I.D.** 11.90, **L.** 70.70,
No. of teeth 8, **Splines** 8, **Rotation** CR,
Drive type Steel



135581 Drive

Replacing: m191t23371; 23354-d0210
Servicing: 23300-01E12; -3E11; -18V10; -D0213; m3t17686h; M3T25282H; M3T27686; M3T27686H; -N; M3T30581; M3T305
O.D. 31.70, **I.D.** 12.00, **L.** 55.60,
No. of teeth 10, **Splines** 8, **Rotation** CR,
Drive type Steel



135593 Drive

Replacing: 1346-24-709; md604913; 028300-3321; -530; 028300-4020; 49209-71021; 1.01.0400.0; 028300-3310; -20; -
Servicing: 028000-6520; -40; -7280; -7290; -7440; -7490; -7500; -7630; -7720; -7760; -7870; -7940; -8590; -878
O.D. 29.15, **I.D.** 12.50, **L.** 82.20,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



136145 Drive

Replacing: m191t13571; m191x13571; 23354-k9160; 1.01.0758.0; 230252
Servicing: M1T60381
O.D. 29.64, **I.D.** 10.70, **L.** 78.50,
No. of teeth 9, **Splines** 8, **Rotation** CR,
Drive type Steel



136229 Drive

Replacing: m191t12571; 23354-53j11; 1.01.0711.0
Servicing: 23300-4E210; -53J12; -60U11; -60U12; M1T72981; M1T72981A; M1T72985; -4781; M1T74781A; M1T74785; -88
O.D. 27.85, **I.D.** 12.00, **L.** 74.85,
No. of teeth 8, **Splines** 8, **Rotation** CR,
Drive type Steel



136348 Drive

Replacing: m191t26571; -971; 1.01.0812.0; m191t27171; m191x27171
Servicing: 23300-M8211; M2T41181; -2; -3; M3T27781; M3T27781D; m3t37781; -2; -43682; -49281; -49282; MD164865;
O.D. 27.85, **I.D.** 11.85, **L.** 89.00,
No. of teeth 8, **Splines** 8, **Rotation** ACR,
Drive type Steel



136602 Drive

Replacing: m191t12871; 31320-60a10; 1.01.0617.0
Servicing: M1T72481; -4581; -4583
O.D. 29.40, **I.D.** 12.00, **L.** 50.00,
No. of teeth 9, **Splines** 8, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



136722 Drive

Replacing: m191t13671; m191t14671; 1.01.0806.0; M191T18271

Servicing: M0T82081; m1t90281

O.D. 31.80, **I.D.** 12.00, **L.** 51.00,
No. of teeth 12, **Splines** 8, **Rotation** CR,
Drive type Steel



136923 Drive

Replacing: m191t16971; m191x16771; -971; 23312-aa050; 1.01.1018.0; m191t16771

Servicing: 23300-1M210; -5; -41B16; M0T70881; -80281; M0T80281A; M0T80285; M0T80285A; M0T81381; -681; -3881; -

O.D. 28.00, **I.D.** 12.00, **L.** 76.00,
No. of teeth 8, **Splines** 8, **Rotation** ACR,
Drive type Steel



137218 Drive

Replacing: m191t12971

Servicing: 23300-0W010; -52F10; -65F10; -79E10; -W9810; M0T60081A; M0T60181; M0T60181A; M0T60581; -5381; M1T60

O.D. 29.00, **I.D.** 15.70, **L.** 74.00,
No. of teeth 9, **Splines** 8, **Rotation** CR,
Drive type Steel



137643 Drive

Replacing: m191t12271; -2; m191t14371; m191t15271; 1.01.0597.0; 1.01.0825.0; 138586; 231895

Servicing: M1T74281; -481; -482; -7777; m1t77777zc; m1t77781; m1t77781zc; m1t78581; m1t78581zc; m1t78681; -948

O.D. 27.50, **I.D.** 12.00, **L.** 51.25,
No. of teeth 10, **Splines** 8, **Rotation** CR,
Drive type Steel



137764 Drive

Replacing: m191t12671; 23354-30r10; 1.01.0679.0

Servicing: 23300-30R13; M1T72281; M1T72281A

O.D. 28.00, **I.D.** 11.65, **L.** 64.25,
No. of teeth 8, **Splines** 8, **Rotation** CR,
Drive type Steel



137765 Drive

Replacing: m191t13471; m191x13471; 1.01.0712.0

Servicing: M0T60081; -187; M1T60281; -5

O.D. 29.64, **I.D.** 10.70, **L.** 77.00,
No. of teeth 9, **Splines** 8, **Rotation** CR,
Drive type Steel
Dust cover: Cargo 230549.



139541 Drive

Replacing: m191t15071; m191x68071; md618963; 1.01.1024.0; 139903

Servicing: M2T80582; -4071; -4171; -4571; -5271; -5471; -7071; -7171; -7271; -7471; -7571; -7871; MD312857; -8

O.D. 31.20, **I.D.** 13.20, **L.** 51.20,
No. of teeth 10, **Splines** 8, **Rotation** CR,
Drive type Steel



139609 Drive

Replacing: e8pz11350a; sde339; m191t66271; m191x66271; 1.01.0669.0

Servicing: M3T90072

O.D. 39.50, **I.D.** 23.65, **L.** 109.20,
No. of teeth 13, **Splines** 10, **Rotation** CR,
Drive type Steel



139645 Drive

Replacing: E5PF11350AA; e5pz11350a; e9pz11350a; sde330; m191t65571; 1.01.0670.0

Servicing: e5tf11000aa; M3T90071

O.D. 40.00, **I.D.** 17.00, **L.** 100.00,
No. of teeth 13, **Splines** 10, **Rotation** CR,
Drive type Steel



231341 Drive

Replacing: m191x68971; m191t68971
Servicing: m2t87671
O.D. 35.50, **I.D.** 13.00, **L.** 51.00,
No. of teeth 9, **Splines** 8, **Rotation** CR,
Drive type Steel



231415 Drive

Replacing: m191x68471; md619204; 1.01.1035.0
Servicing: M2T87371; -971; -8071; -8171; -8271; MD331137
O.D. 37.50, **I.D.** 12.45, **L.** 51.00,
No. of teeth 12, **Splines** 8, **Rotation** CR,
Drive type Steel



231951 Drive

Replacing: 54-8337; 191-1953; 1.01.0943.0; 231951
Servicing: m2t32581; -43681
O.D. 37.50, **I.D.** 112.00, **L.** 71.55,
No. of teeth 9, **Splines** 8, **Rotation** ACR,
Drive type Steel



231952 Drive

Replacing: 54-8336; m191t14271; 1.01.0801.0
Servicing: 56004934; M1T6082; m1t76081
O.D. 33.00, **I.D.** 12.00, **L.** 50.00,
No. of teeth 10, **Splines** 8, **Rotation** CR,
Drive type Steel



231954 Drive

Replacing: 54-8301; m191x32271; 191-1087; 1.01.0427.0; m191t32271
Servicing: M3T10977; MEA10-7
O.D. 39.75, **I.D.** 12.85, **L.** 60.60,
No. of teeth 10, **Splines** 8, **Rotation** ACR,
Drive type Steel



234514 Drive

Replacing: m191t19271
O.D. 34.50, **I.D.** 11.90, **L.** 50.30,
No. of teeth 13, **Splines** 8, **Drive type** Steel



235426 Drive

Replacing: m191x243bt; 6001547546; 239458
L. 44.00, **No. of teeth** 8, **Splines** 12



236752 Drive

Replacing: m191x16371
Servicing: m0t82881; -7081
L. 76.17, **No. of teeth** 13, **Splines** 8

Drive Parts



132085 Pinion

Replacing: m605x31671; 23357-04e10
Servicing: M2T50981; -3581; -3781; -3785; M3T30281
O.D. 37.00, **I.D.** 11.65, **H.** 19.10,
No. of teeth 12, **Splines** 18



132483 Pinion

Replacing: m605x65171
Servicing: m2t56171; -81; -82; -85; -7271; -7273; -7771; -7773; -62971; -63071; -63171; -63271; -74171; MD1649
O.D. 32.30, **I.D.** 13.65, **H.** 20.35,
No. of teeth 10, **Splines** 20



132799 Pinion

Replacing: m605x32971; md607936
Servicing: M2T51181; -281; -282
O.D. 32.50, **I.D.** 15.60, **H.** 19.10,
No. of teeth 10, **Splines** 18

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



133006 Pinion

Replacing: m605x61471; -572; m605x62571; m605x67071; md607415; -545; 23357-n5911

Servicing: 23300-H9112; -N5911; M1T50471; M2T50171; -81; -2071; -2081; -2082; -2172; -2181; -2185; -2681; -308

O.D. 29.50, **I.D.** 11.80, **H.** 18.95,
No. of teeth 9, **Splines** 18



133007 Pinion

Replacing: m605x23471; m605x25771; m605x32471; mm502529; 23357-20h12; 23357-w1011; 133008

Servicing: 23300-18C70; M2T52881; -2; -4085; -4091; -4095; -8581; -8681; -8881; -8981; MD171228; MM115518

O.D. 34.30, **I.D.** 12.00, **H.** 19.00,
No. of teeth 11, **Splines** 18



133009 Pinion

Replacing: m605x61671

Servicing: M2T50281; -5; -371; -381; -391; -2381; -3681

O.D. 45.15, **I.D.** 11.20, **H.** 18.95,
No. of teeth 15, **Splines** 18



133363 Pinion

Replacing: m605x32571; 95562679

Servicing: M1T50071; m2t50481; -5

O.D. 27.20, **I.D.** 11.90, **H.** 19.20,
No. of teeth 10, **Splines** 18



133450 Pinion

Replacing: m605x28271

Servicing: 34466-03101; -200; -20102; -20201; M2T56471; -2; -60271; -61371; -64471; -65271; -65272; -69171; M3

O.D. 42.00, **I.D.** 15.00, **H.** 18.20,
No. of teeth 11, **Splines** 20



133451 Pinion

Replacing: m605x66071; md611022

Servicing: M2T60171; -2; -671; -1071; -1072; -1271; -2771; MD164977

O.D. 40.00, **I.D.** 12.85, **H.** 18.20,
No. of teeth 13, **Splines** 20



133453 Pinion

Servicing: m1t50171; -2

O.D. 27.50, **I.D.** 15.65, **H.** 18.65,
No. of teeth 10, **Splines** 18



133493 Pinion

Replacing: m605x30671; m605x62871; mm502439

Servicing: M2T54371; -2; -6271; -6272; -65671

O.D. 40.00, **I.D.** 15.00, **H.** 18.20,
No. of teeth 13, **Splines** 20

Pkg 10



133630 Pinion

Replacing: m605x63172

Servicing: M2T54271; -64271; -64272; m3t52071

O.D. 35.50, **I.D.** 13.45, **H.** 17.70,
No. of teeth 9, **Splines** 20



133659 Pinion

Replacing: m605x25171; m605x64471

Servicing: 23300-09E10; M2T54771; -7371; M3T57371

O.D. 39.00, **I.D.** 15.80, **H.** 13.45,
No. of teeth 10, **Splines** 22



133722 Pinion

Replacing: m605x25071; 23357-w1710
Servicing: 23300-05E10; M2T51082; -3; -5; -805
O.D. 41.75, **I.D.** 15.75, **H.** 13.45,
No. of teeth 11, **Splines** 22



133871 Pinion

Replacing: m605x31971; me700375
Servicing: M2T57871; -81; -61771; -66871; -66872; -66873; -67871; -67872; -67873; -67881; -67882; -67883; -678
O.D. 35.35, **I.D.** 13.30, **H.** 17.70,
No. of teeth 9, **Splines** 20



135930 Pinion

Replacing: m605t24471; m605x27371; md607454
Servicing: M2T56171; m3t61071
O.D. 37.45, **I.D.** 12.75, **H.** 18.20,
No. of teeth 12, **Splines** 20



137492 Pinion

Replacing: m605x36071; md611748
Servicing: M2T60185; -1171; MD164978
O.D. 39.85, **I.D.** 13.35, **H.** 19.65,
No. of teeth 13, **Splines** 20



137739 Pinion

Replacing: m605x27971; 191-1443
Servicing: M2T56071
O.D. 39.95, **I.D.** 12.60, **H.** 18.20,
No. of teeth 10, **Splines** 20



139344 Pinion

Replacing: m605x36171
Servicing: 23300-T9009; M2T62271; -4373; -6271; -6272; -74371; M3T67671
O.D. 38.50, **I.D.** 19.80, **H.** 18.20,
No. of teeth 10, **Splines** 20



139413 Pinion

Replacing: m605x91371; 23312-57j10
Servicing: 021000-0470; -813; -814; -1083; -1242; -1321; -1322; -1330; -1332; -1340; -1342; -1343; -1602; -160
O.D. 41.35, **I.D.** 15.65, **H.** 18.90,
No. of teeth 11, **Splines** 18

Pkg 10



139585 Pinion

Replacing: 4840-24-709; m605x26971
Servicing: M2T54572; M3T67771
O.D. 51.00, **I.D.** 19.70, **H.** 18.25,
No. of teeth 13, **Splines** 20



139619 Pinion

Replacing: m605x34971
Servicing: M2T58081; -381; -481; -781; MD171502
O.D. 34.40, **H.** 17.50, **No. of teeth** 11,
Splines 18



139820 Pinion

Replacing: m605x95571; me701489
Servicing: m8t60371; -80071; M8T80071A; -B; M8T85071; M8T85071A; -B; ME012994; -5
O.D. 35.35, **I.D.** 20.00, **H.** 17.70,
No. of teeth 9, **Splines** 20



230333 Pinion

Replacing: m605x28571
Servicing: 34766-20901; M3T56174; -81; -82; -83; -8571
O.D. 38.80, **I.D.** 12.80, **H.** 20.00,
No. of teeth 10, **Splines** 20

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



230549 Cap

Replacing: m234x54371; 23316-84g10; 230463
Servicing: M0T60081; m191x13471; -571; m1t60281; -5; -381
O.D. 17.00, **H.** 8.15



231456 Pinion

Replacing: 54-83218; m605x96971; 639.0597.5; SZE888; F4TZ11363A; 231947
Servicing: f4pu11000aa; f4tz11002b; m8t50071; -171; -172; -70071
O.D. 37.15, **I.D.** 13.45, **H.** 17.75,
No. of teeth 12, **Splines** 20

Pkg 10



231779 Pinion

Replacing: m605x35071; me700856
Servicing: 23300-0T005; M2T78372; -81; -82; -83; -681; ME087590; n002t78681
O.D. 40.65, **I.D.** 12.90, **H.** 17.80,
No. of teeth 11, **Splines** 20



232230 Pinion

Replacing: m605x95271; me701461; 232321; 237091
Servicing: M8T75071; -3; ME201650
O.D. 32.45, **I.D.** 17.55, **H.** 20.20,
No. of teeth 10, **Splines** 20



232390 Pinion

Replacing: m605x65771
Servicing: M2T60071; -2; -3
O.D. 37.00, **I.D.** 12.90, **H.** 17.70,
No. of teeth 12, **Splines** 20



232391 Pinion

Replacing: m605x95071; me701441
Servicing: 23300-Z5570; M3T56089; M8T55171; -60071; -60072; -60073; -60089; -60171; -60173; -60174; -87071; -8
O.D. 40.65, **I.D.** 13.45, **H.** 17.85,
No. of teeth 11, **Splines** 20



233177 Pinion

O.D. 39.70, **I.D.** 20.15, **H.** 17.85,
No. of teeth 13, **Splines** 30
Anti CW rotation. Used w/ clutch: Cargo 233178.



233895 Pinion

Replacing: me700044; m605x64571
Servicing: M3T56071; -2; -4; ME037636
O.D. 41.30, **I.D.** 12.80, **H.** 23.00,
No. of teeth 11, **Splines** 20



234906 Pinion

Replacing: m605c36101; m605c63301
Servicing: m2t64371; -2; -3
O.D. 38.65, **I.D.** 19.85, **H.** 18.15,
No. of teeth 11, **Splines** 20

Planet Gears



133480 Drive/Clutch Assy

Replacing: m357t75671
Servicing: 23300-M8111; M2T23685; m3t19971; -26685
L. 98.00, **No. of teeth** 21, **Rotation** ACR



133628 Drive/Clutch Assy

Replacing: r201-24-740; m357t75371
Servicing: M2T92071; M2T92071A; M2T92171; -2; M2T92172A; M2T92271; M2T92271A; M2T95071
O.D. 33.00, **L.** 104.00, **No. of teeth** 10,
Splines 20



135721 Drive

Replacing: k801-18-x40; m357x77271; 23312-25v11; m357x77571; 23312-30p11
Servicing: m2t24082; -181; -281; -5082; -5083; -5281; -5282; -5581; -5681; MM02T25282
L. 114.40, **No. of teeth** 20, **Splines** 8, **Rotation** ACR



136594 Pinion/Clutch Assy

Replacing: m357x82175
Servicing: M2T54085; -8981
L. 110.00/123.00, **No. of teeth** 11



138578 Drive/Shaft Assy

Replacing: f214-18-x20; fs05-18-x20; m357x86772; -7; 23312-20r10
Servicing: 23300-30F11; M1T70981; M1T70981A; M1T71281; M1T71281A; -B; M1T71481; M1T71481A; M1T71881; M1T71881A

w/o gear wheels: Cargo 135341 (x3). Drive only: CArgo 132012.



138579 Drive/Shaft Assy

Replacing: m357x86771; -8; md611206; 23312-42l70; 36140-32500
Servicing: 23300-20P11; -4E100; -50Y11; -57M71; -5C015; -5C016; -81N11; M1T70481; -3; -681; -685; M1T70685A; M

w/o gear wheels: Cargo 135341 (3). Drives only: Cargo 132011.



138580 Drive/Shaft Assy

Replacing: m357x86972; -3
Servicing: M1T70381; M1T70381A

w/o gear wheels: Cargo 135341 (x3). Drive only: CArgo 132010.



138581 Drive/Shaft Assy

w/o gear wheels: Cargo 135341 (x3). Drive only: CArgo 132014.



138582 Drive/Shaft Assy

Replacing: m357x87971; -2; 23312-30r10; -4
Servicing: 23300-30R13; M1T72281; M1T72281A

W/o gear wheels: Cargo 135341 (x3). Drive only: Cargo 137764.



138583 Drive/Shaft Assy

Replacing: je15-18-x20; m357x87573
Servicing: M1T71781A; M1T73481; M1T73481A; -4381A; M1T75181; M1T75181A; M1T75381; M1T75381A

w/o gear wheels: Cargo 135341 (x3). Drive only: CArgo 132013.



138584 Drive/Shaft Assy

Replacing: m357x88177
Servicing: M1T60281; -5; -313

w/o gear wheels: Cargo 135341 (x3). Drive only: CArgo 137765.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



139410 Drive/Clutch Assy

Replacing: m357x77971; 23357-0c010; m357x78471

Servicing: 23300-0C010; M2T25481

O.D. 59.50, **L.** 97.50, **No. of teeth** 21, **Splines** 8, **Rotation** ACR, **Drive type** Steel

---



230332 Clutch

Replacing: m357x85073

Servicing: 34766-20901; M3T56181; -2; -3; -8571

O.D. 38.55, **I.D.** 14.40, **L.** 139.40, **No. of teeth** 10, **Drive type** Steel

---



235285 Shaft Assy/Clutch Set

Replacing: m357x90373; 238994

Servicing: M0T80081; -581; -681; -685; -686; -781; -783; -784; -1181; -1281; -1283; -1284; -1481; -1482; -1781

L. 110.00, **Splines** 8, **Rotation** CR

Pinion: Cargo 132011



235286 Shaft Assy/Clutch Set

Replacing: m357x90571

Servicing: 23300-1M210; -5; M0T80281; M0T80281A; M0T80285; M0T80285A

O.D. 64.00, **L.** 133.50, **No. of teeth** 8, **Splines** 8, **Rotation** ACR

Drive only: Cargo 136923

Gear Parts

Pkg 10



135574 Steel Ball

Replacing: s409s00008; E90Z11A172A; MCE443

Servicing: 19011501; 23300-08U10; -1; -5; -W010; -1M210; -1M215; -1P115; -1P175; -20P11; -30F11; -30R13; -41B1

O.D. 6.35, **Material** Steel



136895 Gasket

Replacing: n326-18-x87; m578c24601; md611213; 23385-42l70; 36139-32510

Servicing: 23300-1P115; -75; -20P11; -30F11; -30R13; -44R11; -48L10; -4E100; -4E210; -50Y11; -52F10; -53J12; -

Th. 7.50

1.2/1.4 kW

Pkg 10



137758 Gear Washer

Servicing: m2t67881; -3

O.D. 25.75, **I.D.** 13.25, **Th.** 0.50, **Material** Steel



138406 Gear Shaft

Replacing: m357x62471; 23312-53j12; m357c62471

Servicing: 23300-1P115; -4E210; -53J12; -60U15; M1T71781; M1T71781A; M1T72981; M1T72981A; M1T72985; -3481; M1T

Front D. 19.00, **L.** 130.00, **No. of splines** 8



139200 Gear Shaft

Replacing: m357c61671; m357x67971; md611207; 23312-42l75; 31341-60a10; 36143-32510

Servicing: 23300-08U10; -20P11; -30F11; -41B77; -50Y11; -50Y12; -50Y14; -57M71; -5C010; -5C011; -5C015; -5C016

Front D. 10.00, **L.** 105.00, **No. of splines** 8

Pkg 5



139205 Gasket

Replacing: fp13-18-x87; m578x26871; md618547; 23385-50y12

Servicing: 23300-08U10; -1; -5; -W010; -1M210; -1M215; -41B16; -41B77; -41B78; -50Y12; -50Y13; -50Y14; -50Y15;

O.D. 63.90, **I.D.** 52.50, **Th.** 4.85

Pkg 10



139540 Gasket

Replacing: m578x27571; md618965
Servicing: M2T84071; -171; -571; -5471; -7071; -7171; -7271; -7371; -7471; -7571; -7671; -7871; -7971; -8071;
Th. 7.50, **Material** Rubber



230462 Gear Shaft

Replacing: n326-18-x40; m357c61771; -2; 23312-41b16; 230655
Servicing: m0t70381; M0T70381A; m0t70881; M0T70881A; M0T71481; -4081; M0T74081A; M1T70381; M1T70381A; M1T70881
Front D. 19.00, **L.** 118.00, **No. of splines** 8



230500 Gear Shaft

Replacing: m357x65471; 23312-1s710
Servicing: 23300-0W010; M0T60081; M0T60081A; M0T60181; M0T60181A; M0T60581; -5381; MT60181
L. 99.00, **No. of splines** 8



230998 Gear Shaft

Replacing: m357c62771; 23312-w9811
Servicing: 23300-52F10; -65F10; -79E10; -W9810; M1T60081; -181; -381; -581; -1181
Front D. 18.00, **Rear D.** 10.00, **L.** 101.00, **No. of splines** 8



231459 Packing Set

Replacing: m578x29171; me701445
Servicing: 23300-Z5570; M2T80772; -7671; M3T56089; m8t50071; -271; -5171; -5471; -60071; M8T60071A; M8T60072;

Cap: Cargo 136895.



231611 Gear Shaft

Replacing: m357x65171; m357x66485; me701457; -654
Servicing: M8T70071; -471; M8T70471A; m8t70472; -5071; M8T75071A; m8t75073; M8T75073A; M8T75871; -80471; M8T80
Front D. 20.60, **L.** 91.00, **No. of splines** 10



231776 Gear Shaft

Replacing: m357x64471; 23312-0m211
Servicing: 23300-1M210; -5; M0T80281; M0T80281A; M0T80285; M0T80285A; M0T80881; -1381; -1681; -2881; -3881; -3
Front D. 17.45, **L.** 130.00, **No. of splines** 8



233383 Gear Shaft

L. 109.00



233595 Gear Shaft

Replacing: m357x68071; m357x64371
Servicing: 31100-77e22; M0T80081; -381; -581; -681; -685; -686; -781; -783; -784; -831; -1181; -1281; -1283; -
L. 12.00



235340 Gear Shaft

Replacing: m357x64771
Servicing: m1t72483; M1T72483ZC; M1T79481; -2; m2t80582; -4071; -4171; M2T84171ZT; M2T84571; -771; -5271; -547
L. 105.00



236695 Gear Shaft

Servicing: m0t84881; M0T84881ZC; -2ZC; M60082; tm000a13901
L. 105.90, **No. of splines** 8

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

237343 Gear Shaft

Replacing: 237343; 4208; 10742

L. 130.30, **No. of splines** 10

Stationary



133403 Internal Gear

Replacing: m135b00371; m135c00171; m135x00771; m135x01171; 35137-32510

Servicing: 23300-1P115; -75; -20P11; -30F11; -30R13; -44R11; -48L10; -4E100; -4E210; -50Y11; -52F10; -53J12; -

O.D. 65.00, **I.D.** 49.15, **H.** 30.20,
No. of teeth 43



139199 Internal Gear

Replacing: m135x00871; md618538; 23360-50y12

Servicing: 23300-08U10; -1; -5; -41B16; -41B77; -41B78; -50Y12; -50Y13; -50Y14; -50Y15; -5C010; -5C011; -5C012

O.D. 64.00, **I.D.** 48.95, **H.** 30.60,
No. of teeth 43



139323 Gear Wheel

Replacing: m135x01471; -571

Servicing: 23300-0W010; -1M210; -1M215; M0T60081; M0T60081A; M0T60181; M0T60181A; M0T60581; -5381; -80081; -80

O.D. 63.80, **I.D.** 46.90, **No. of teeth** 42
Bushing I.D. 17.50



139536 Outer Gear

Replacing: m135x01071; m135x02871; md618961; 237249

Servicing: M2T80582; -4071; -4171; -4571; -5271; -5471; -7071; -7171; -7271; -7371; -7471; -7571; -7671; -7871

O.D. 58.85, **I.D.** 50.25, **H.** 30.79,
No. of teeth 44



139821 Internal Gear

Replacing: m135x01771

Servicing: M2T80772; M8T77071; -2; -4; -5; -80071; M8T80071A; -B; M8T80171; -371; -372; -373; -374; -772; -789

O.D. 62.00, **I.D.** 50.00, **No. of teeth** 44
Bushing I.D. 20.70



231575 Internal Gear

Replacing: m135x01581; me701437; VS10-18-X56

Servicing: 23300-Z5570; M3T56089; M8T50271; -5171; -5471; -60071; M8T60071A; M8T60072; M8T60072A; M8T60073; M8

O.D. 70.00, **I.D.** 50.65, **H.** 30.35,
No. of teeth 44



233638 Internal Gear

O.D. 55.80, **I.D.** 46.30, **H.** 30.32,
No. of teeth 42
Bearing: Cargo 140920.



235502 Stationary Gear

Replacing: me701486; m135x07711

Servicing: m8t50071; -171; -80071; m8t80071a; m8t80171; -5071; m8t85071a

L. 30.90, **Splines** 44
w/ bushing. Needle bearing: Cargo 141065.

Gear Wheels

Pkg 10



135341 Gear Wheel

Replacing: n326-18-x57; wl02-18-x57; m230d00171; m230x00471; md618962; me701459; 23361-1p115; 36141-32510; m230

Servicing: 23300-08U10; -1; -5; -W010; -1M210; -1M215; -20P11; -30F11; -30R13; -41B16; -41B77; -41B78; -44R11;

O.D. 20.30, **I.D.** 8.00, **H.** 11.30,
No. of teeth 16



138565 Gear

Replacing: 8599-24-746; m231c00901; me700122; 23361-w3410

Servicing: 110566; 23300-09E10; -T005; -T006; -T9009; 34466-03101; -200; -20102; -20201; M2T54271; -371; -372;

O.D. 45.20, **I.D.** 14.30, **H.** 16.60,
No. of teeth 32, **Splines** 22



230337 Gear

Replacing: m231c00401

Servicing: 23300-18C70; -H9112; -N5911; M2T50171; -81; -281; -285; -371; -381; -585; -981; -1181; -1281; -1282

O.D. 41.75, **I.D.** 12.15, **H.** 16.00,
No. of teeth 32, **Splines** 18

Gear Plates

Pkg 10



235388 Gear Plate

Servicing: m2t88071; -271; -671

Pinions



234808 Pinion

Replacing: m605x71971

Servicing: m9t60371

O.D. 45.90, **I.D.** 24.60, **H.** 32.20,
No. of teeth 12, **Splines** 27

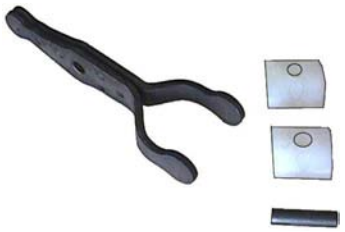
Rubbers

235201 Gasket

Servicing: m0t800082; m0t80082; -6081; -6181; -7881; M0T886081; -181; -7881; -91581; m0t91581; M1T8001; m1t800

Th. 7.50

Levers



132637 Lever

Replacing: m863d03571

Servicing: M5T20172; -2175; -2176; -3272; -5373; -7672

L. 99.90, **Lever** 1

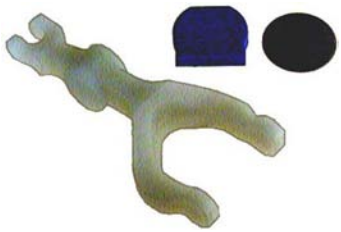


133463 Lever

Replacing: m864x09571; md607921; 36131-11140; 36114-11130

Servicing: 23300-01E12; -3; -3E11; -H610; -18V10; -53J10; -60S10; -D0213; -T5072; -W0417; m2t57271; M3T10476D;

L. 81.05, **Lever** 1
Assort. 803028



134047 Lever

Replacing: m864x08871; -2

Servicing: 23300-41B10; -5; -73C10; -H5015; -M8011; -M8212; M2T13181; -481; -20181; M2T20181D; M2T30681; -5; -

L. 79.75, **Lever** 1

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



135468 Lever

Replacing: n326-18-x05; m864x09771; -2; -4; md611223; 23322-41b16; 23322-42470; -l70; 36130-32510; f4xy11067a

Servicing: 23300-08U10; -1; -5; -W010; -1M210; -1M215; -20P11; -30F11; -30R13; -41B16; -41B77; -41B78; -44R11;

L. 74.00, **Lever** 1



135571 Lever

Replacing: e301-24-730; m863d02271; m864x07071; mm502405; 23322-y0510

Servicing: 23300-U0114; A3T22681; M2T10271; M3T10071; -372; -475; -476; -672; -1173; -1174; -1272; -2572; -577

L. 81.70, **Lever** 1



135573 Lever

Replacing: m863c05571; m863c06171; md607633

Servicing: 23300-05E10; -9E10; M2T51085; -4771; -6171; -6181; -6182; -6185; -6271; -6272; -6971; -7271; -7273;

L. 114.00, **Lever** 1



136416 Lever

Replacing: m863c04871; m863c06271; -2

Servicing: 23300-T9009; 34466-03101; -200; -20102; -20201; M2T54271; -2; -371; -372; -471; -572; -671; -5571;

L. 90.45, **Lever** 1



137548 Lever

Replacing: m864x09572; 23322-m8211

Servicing: 23300-M8211; M3T27781; M3T27781D

L. 81.00, **Lever** 1



137713 Lever

Replacing: m863c04671; m863c05271; m863c07271

Servicing: 23300-18C70; -H9112; M2T50281; -5; -371; -381; -391; -1083; -1281; -1282; -2172; -2181; -2185; -227

L. 81.00, **Lever** 1



138988 Lever

Replacing: m863c04471; 23322-n5910

Servicing: 23300-N5911; M1T50471; M2T50171; -81; -585; -981; -3781; -3785; -3881; -4085; -8381; -8481; -8981

L. 96.50, **Lever** 1



139533 Lever

Replacing: m864x09371; 36114-11130

Servicing: 23300-41B71; -73Y10; M2T13381; -30281; -30381; -30385; -30581; -30585; -30586; -30881; -31981; -322

L. 77.25, **Lever** 1



139538 Lever

Replacing: m864x11571; md618971

Servicing: 23300-1P115; -75; -60U15; -6P010; M2T84071; -171; -271; -371; -571; -671; -5071; -5271; -5471; -707

L. 76.40, **Lever** 1



139823 Lever

Replacing: m863x08672; m863x09671; me701488

Servicing: M2T80772; M8T80071; M8T80071A; -B; M8T80171; -371; -372; -373; -374; -772; -789; ME012995

L. 85.45, **Lever** 1

Lever only: Cargo 232969



139868 Lever

Replacing: m863c04971

Servicing: M3T19371; -771; -871; -39781; -39881; -54071

L. 82.00, **Lever** 1



139981 Lever

Replacing: m863c06971
Servicing: M2T92071; M2T92071A; M2T92271; M2T92271A; M2T95071
L. 114.55, **Lever** 1



231265 Lever

Replacing: m864x12371
Servicing: M8T70071; -5071; M8T75071A; M8T75073; M8T75073A; M8T75871; m8t80071a; ME201650
L. 76.00, **Lever** 1



231782 Lever Assy

Replacing: m863c05672; me700234
Servicing: M2T69081; -171; -381; -78071; -78072; M2T78072A; -B; M2T78172; M2T78172A; M2T78271; -372; -381; -38
L. 99.30

Pkg 5



232312 Lever

L. 78.20, **Lever** 5



232969 Lever

Servicing: m8t50071; -2
Lever 1
Lever kit: Cargo 139823



233377 Lever

Replacing: m863x09272; m864x12271
Servicing: M3T56089; M8T55171; -471; -60071; M8T60071A; M8T60072; M8T60072A; M8T60073; M8T60073A; M8T60089; -1
L. 84.60, **Lever** 1



234677 Lever

Replacing: m863x08471
Servicing: 23300-0C010; M2T25481
L. 107.55, **Lever** 1

Lever Parts

Pkg 10



233378 Shift Lever

L. 18.00

Clutches



132017 Clutch

Replacing: n202-24-740; m357t71687; -871; m357t76871
Servicing: M2T50581; -5; -3881; -3882; -64271; m3t52071
L. 122.00, **Splines** 18
Anti CW rotation.



132386 Clutch

Replacing: m357t70171; -771; -971; m357t78071; md607540; mm502531; 23354-n5912; 133440
Servicing: 23300-18C70; -H9112; -N5911; M1T50471; M2T50171; -81; -281; -285; -381; -485; -981; -2081; -2082; -
L. 123.00, **Splines** 18



132387 Clutch

Replacing: m357t70571; 23354-20h12
Servicing: M2T52071; -8081; -8285; -8381; -8481; -8781; MD171502
L. 123.00, **Splines** 18

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



132489 Clutch

Replacing: m357t75571; md607791; 1.01.1047.0
Servicing: M2T56181; -2; -5; -7271; -7273; -7771; -7773; -62971; -63071; -63171; -74171; MD164975; -6; -91433;
O.D. 66.50, **L.** 118.80, **Splines** 20



133439 Clutch

Replacing: m357t75471; -971; m357t76371; md607938; 133452; -81
Servicing: M1T50071; -171; -172; M2T50391; -1181; -1281; -1282; -4091; -4095; -7181; -61871
L. 123.00, **Splines** 18



133448 Clutch

Replacing: m357t73171; md607642
Servicing: M2T55571; -6171; -6271; -6272; -6971; -60171; -60172; -60185; -60371; -60671; -61071; -61072; -6117
Shaft L. 131.00, **No. of teeth** 20



133449 Clutch

Replacing: m357t72671; -2; m357x85273; 1.01.1046.0; m357x83673
Servicing: 34466-03101; -200; -20102; -20201; M2T56471; -2; -7881; -60271; -61371; -61771; -62271; -64471; -65
L. 144.00, **Splines** 20



133918 Clutch

Replacing: m357t75871
Servicing: M2T51082
L. 110.00, **Splines** 22



134966 Clutch

Replacing: 8599-24-740; m357t61671; m357t71671; m357t72971; m357t73181; m357t76171; m357t84181; me700121; 23314
Servicing: 23300-T9009; M2T54271; -2; -371; -372; -572; -871; -881; -6071; -7871; -60071; -60072; -60371; -643
O.D. 66.00, **L.** 116.00/134.00, **Splines** 20



139409 Clutch

Replacing: m357t72771; 23354-w3410
Servicing: 23300-05E10; -9E10; M2T51083; -5; -805; -4771; -7371
L. 110.00, **Splines** 22



231371 Clutch

Replacing: m191x67585; -885; m191x68271; me701487; -648; -651; m191x67771; -571; -871; 1.01.0887.0; 139819; m19
Servicing: M2T80772; m3t57575; m8t50071; -171; -271; -5171; -5471; -60071; -60073; -60271; -60371; -60372; -60
L. 110.00, **Splines** 20



232054 Shaft Assy

Replacing: m357x91171; -971; -973; me701456; -640
Servicing: M8T70071; -471; -472; -5071; -5073; -80471; -80472; -80571; ME201650
L. 127.00, **Splines** 20
w/o gear wheel: Cargo 135341 (x3).



232229 Clutch

Replacing: m191x68171; -785; m191x69871
Servicing: M8T70071; -471; -472; -5071; -5073; -80471; -80472; -80571; -80989; -81071; ME201650
L. 91.50, **Splines** 8



233178 Clutch

Replacing: 1.01.1019.0; 233178
L. 93.00, **Splines** 30
Anti CW rotation Used w/ pinion: cargo 233177



233845 Clutch

Replacing: m357x73571; me700042
Servicing: M3T56071; -2; -4; ME037636
O.D. 65.95, **L.** 158.00, **Splines** 20



233846 Clutch

Replacing: m357t78271
Servicing: m2t63371; -83371
L. 141.00, **Splines** 20



234774 Clutch

Replacing: m191x69771; m191x93771; 236437
Servicing: m9t60371; -671
O.D. 60.00, **L.** 135.00, **Splines** 26



234810 Drive

Replacing: m191x69671
Servicing: M8T71371; -471; -5271; -5371; -5671
O.D. 42.80, **L.** 90.00, **No. of teeth** 8, **Rotation** ACR, **Drive type** Steel



237834 Clutch

Replacing: M191X90271
Servicing: 19011501; 8200037; -8; -9; -40; -58; -82; -83; -84; -85; -86; -87; -88; -11041; -11081; M9T80472; -
O.D. 70.25, **L.** 140.0, **Splines** 26

Brush Gears



132475 Brush Gear

Replacing: m649t05071; -2; 133035
Servicing: 23300-09E10; 34466-03101; -200; -20102; -20201; M2T54271; -2; -371; -372; -471; -572; -671; -771; -
V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With
Brush set: Cargo 140387



133338 Brush Gear

Replacing: m649t02171
Servicing: m2t60071; -2; -3; -171; -571; -92071; -92171; -92172; -92271
Brush With, **Brush gear** 1, **Spring terminal** With
Neg. brushes Brush set: Cargo 140388



133339 Brush Gear

Replacing: E5PF11434AA; m649t04972; sbe-324; m649t07371; me700047; -939; E5PF11061A; m649t04971; m371x07371; sb
Servicing: M3T56071; -2; -6; -82; -174; -181; -182; -183; -272; -471; -7371; -7575; -8071; -8571; -8771; -6607
V. 12, **Brush** w/o, **Brush gear** 1, **Spring terminal** w/o
Brush set: Cargo 140388 Spring: Cargo 135201

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



133340 Brush Gear

Replacing: m649t03571; m649x02572; m649x03573

Servicing: 23300-U0114; m3t10172; -271; -272; -372; -473; -475; -476; -672; -977; -1173; -1174; -1272; -2572;

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes Brush set: Cargo 140347



133341 Brush Gear

Replacing: m649t01271; -2; -3; m649t06871; m649t09371; -471; md611918; 36169-32510; 36170-32500; 36169-32510; 1

Servicing: 23300-20P11; -30F11; -30R13; -44R11; -48L10; -4E100; -4E210; -50Y11; -52F10; -53J12; -57M71; -65F10

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: cargo 140559.



133342 Brush Gear

Replacing: m649t01671; m649t06971

Servicing: 23300-60U11; M1T6082; M1T74081; M1T74081A; M1T74087; -181; M1T74181A; M1T74281; M1T74381A; M1T74481

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes Brush set: Cargo 140560



133732 Brush Gear

Replacing: m649t01571; md607899

Servicing: M2T40081

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes Brush set: Cargo 140931



133808 Brush Gear

Replacing: 31231-ph9-004; md604645; 028514-5020; 28149-10020

Servicing: 128000-2520; -611; -621; -631; -800; -820; -980; -3090; -3091; -3251; -3261; -3530; -3531; -3651; -

V. 12, **Brush** w/o, **Brush gear** 1, **Spring terminal** w/o

Brush springs: Cargo 133810. Brush set: Cargo 140602.



133886 Brush Gear

Replacing: n202-24-750; m649t01471; m649t02471; m649t04071; -471; m649x04473; 23378-n5910; -1; m649x20171; res1

Servicing: 23300-05E10; -18C70; -H9112; -M8111; -N5911; M2T23685; -4181; -4281; -5581; -5681; -50171; -50181;

Brush With, **Brush gear** 1, **Spring terminal** With



135365 Brush Gear

Replacing: m649x01771; PN40-18-X70

Servicing: M1T90081; M1T90081A

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes Brush set: Cargo 140743



135467 Brush Gear

Replacing: e356-18-x70; f210-18-x70; m649t01371; m649t02271; -2; m649t04871; m649x01371; md607555; -926; md6185

Servicing: 23300-01E12; -3; -3E11; -H610; -18V10; -41B10; -41B15; -41B71; -53J10; -53J15; -60S10; -73C10; -73Y

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes. Brush set: cargo 140349.



137929 Brush Gear

Replacing: m321x04471; -771; m321x05171; m321x06671; m321x07071

Servicing: 23300-0W010; -1M210; -1M215; -41B16; -50Y11; -50Y13; -50Y15; M0T60081; -181; M0T60181A; M0T60187; -

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Brush set: Cargo 140921



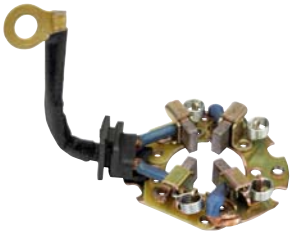
138963 Brush Gear

Replacing: m649x20471; me701467; M649T20471

Servicing: 23300-1P115; -75; -60U15; -6P010; m2t84071; -171; -271; -371; -571; -671; -5071; -5271; -7071; -717

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes Brush set: Cargo 140973 (x2)



139238 Brush Gear

Replacing: m649x10171; md618593; 23378-50y12

Servicing: 23300-08U10; -1; -5; -41B16; -41B77; -41B78; -50Y12; -50Y13; -50Y14; -50Y15; M0T70281; -5; -6; -7;

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes Positive brush: Cargo 140967



139560 Brush Gear

Replacing: m649x09571; 23378-n5912

Servicing: 23300-0C010; M2T25481

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes Brush set: Cargo 140347



139822 Brush Gear

Replacing: m649x20771; me701495

Servicing: M2T80772; -7571; -7871; -S5071; M8T80071; M8T80071A; -B; M8T80171; -371; -372; -373; -374; -471; M8

V. 24, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes Positive brush: Cargo 141010



231781 Brush Gear

Replacing: m649t02172; me700858

Servicing: M2T78071; -271; -372; -381; -382; -383; -481; -482; M3T58471; ME013390; -87590

V. 24, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes Brush set: Cargo 141102 (x2)



231892 Brush Gear

Replacing: m649x20671; me101448; ME701448

Servicing: m8t50071; -2; -60071; M8T60071A; M8T60073; M8T60073A; M8T60271; M8T60271A; M8T60371; -2; -3; -471;

V. 24, **Brush** With, **Brush gear** 1, **Spring terminal** With

Neg. brushes Brush set: Cargo 140388



234811 Brush Gear

Replacing: m321x10276

Servicing: M0T70381; -481; -81181; m1t70483; -3383; -84883; M60081

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With



235214 Brush Gear

Replacing: m321x07076

Servicing: M0T80281B; M0T82881; -7081; -7881; -91581

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With



235390 Brush Gear

Servicing: TM000A27301; -31001; -37001

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With



237851 Brush Gear

Servicing: 19011501; M9T80472; -3

V. 24, **Brush** With, **Brush gear** 1, **Spring terminal** With

Brush set: Cargo 142006

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Brush gears parts

Brush Springs

Pkg 10



132638 Brush Spring

Replacing: m389d00401
Servicing: M5T20172; -6; -2175; -2176; -5373; -7672
O.D. 10.20, **L.** 32.55
Assort. 803028

Pkg 10



133810 Brush Spring

Replacing: 31212-ph9-004; md604644; 028520-5010
Servicing: 128000-2520; -610; -611; -621; -631; -800; -820; -980; -3090; -3091; -3250; -3251; -3260; -3261; -3
O.D. 6.20, **L.** 22.00
Assort. 803030; 803041

Pkg 10



135201 Brush Spring

Replacing: 1456-24-752; m391c02201; md607462
Servicing: 34766-20901; M3T54071; -6071; -6072; -6074; -6076; -6082; -6084; -6085; -6174; -6181; -6182; -6183;
O.D. 14.20, **L.** 24.20
Assort. 803028; 803041

Pkg 4



136946 Brush Spring

Replacing: 3472200; n318-18-x71; m391c03301; md607901; 23333-42l71; 36162-21720
Servicing: 23300-08U10; -1; -20P11; -30F11; -41B77; -44R11; -48L10; -4E100; -4E210; -4P110; -50Y11; -50Y12; -5
O.D. 10.25, **L.** 16.20
Assort. 803041

Pkg 4



136947 Brush Spring

Replacing: n326-18-x71; m391c03201; md607900; 23333-42l70; 36164-21720
Servicing: 23300-08U10; -1; -20P11; -30F11; -41B77; -44R11; -48L10; -4E100; -4E210; -4P110; -50Y11; -50Y12; -5
O.D. 10.45, **L.** 15.85
Assort. 803041

Pkg 4



139826 Brush Spring

Replacing: m391x04371; me701468
Servicing: 23300-1P115; -75; -60U15; -6P010; M2T80772; -4271; -4371; -4671; -5071; -5271; -5471; -7271; -7471;
O.D. 13.00, **L.** 23.00

Pkg 10



233867 Brush Spring Set

Replacing: 0222-24-752a; m191c00101; m391c00101; md602210; 23333-m1510; 133724
Servicing: M2T10171; -20181; M2T20181A; -D; M2T20281; -3685; -4081; -4082; -4181; -4281; -5081; -5082; -5083;
O.D. 12.00, **L.** 21.00
Assort. 803028; 803041



233868 Brush Spring Set

Replacing: 8599-24-752; m391c02501; -801; me700128; 128953-0080; 23333-t9000; 133725
Servicing: 228000-2120; -680; -690; -700; -980; -990; -3260; -3840; -3850; -3851; -3920; -4050; -4291; -4570;
O.D. 11.50, **L.** 22.70
Assort. 803028; 803041

Pkg 10



238126 Brush Spring

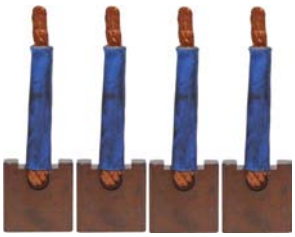
O.D. 7.95, **L.** 16.20

Brush Sets



140345 Brush Set

Replacing: 0135-18-444a; -5a; m648d10471; md602593; -4; JMTSX-11
V. 12, **L.** 16.40, **Th.** 5.90, **H.** 13.97,
No. of brushes 4
Assort. 803027



140346 Brush Set

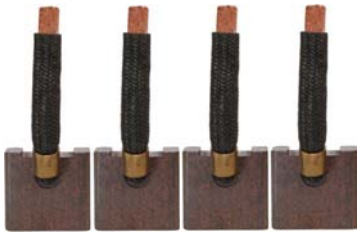
Replacing: jmtsx-31; m648c22371; 23379-99008; 140530
Servicing: M5T25373; -7672
V. 12, **L.** 19.02, **Th.** 6.45, **H.** 18.75,
No. of brushes 4
Assort. 803027



140347 Brush Set

Replacing: jmtsx-36; taj203; 0222-24-753; 0426-24-753; m648c10371; m648c13770; md602468; -70; md607389; jasx69-
Servicing: 028000-5400; -1; M1T50071; M2T10271; -23181; -23685; -51082; -51805; -52071; -52081; -52082; -53085
V. 12, **L.** 17.44, **Th.** 6.56, **H.** 11.69,
No. of brushes 4
Assort. 803027; 803038

Pkg 5



140348 Brush Set

Replacing: jmtsx-48; m648c25271; -3; 23378-w2810; 0706-24-556; jasx38; -90
Servicing: M2T54272; M3T54071; -2
V. 12, **L.** 18.50, **Th.** 7.66, **H.** 19.72,
No. of brushes 4
Assort. 803027



140349 Brush Set

Replacing: jmtsx-49; jmtsx-49n; taj209; e301-24-753; e501-24-753; m648c14870; -1; -970; m648c15070; m648c16970;
Servicing: 23300-01E12; -3; -3E11; -H610; -18V10; -41B10; -41B15; -41B71; -53J10; -53J15; -60S10; -73C10; -73Y
V. 12, **L.** 17.50, **Th.** 6.85, **H.** 9.85,
No. of brushes 4
Assort. 803027; 803038



140385 Brush Set

Replacing: jmtsx-24; 23380-10611; 140385
V. 12, **L.** 14.50, **Th.** 6.83, **H.** 16.35,
No. of brushes 4



140386 Brush Set

Replacing: jmtsx-37; 0839-24-753; m648c24471/472; m648d20771; m648c20371; m648c24471; -2; jasx47-48
Servicing: M5T20172; -2175; -2176; -3272
V. 12, **L.** 19.00, **Th.** 6.25, **H.** 18.68,
No. of brushes 4
Assort. 803027



140387 Brush Set

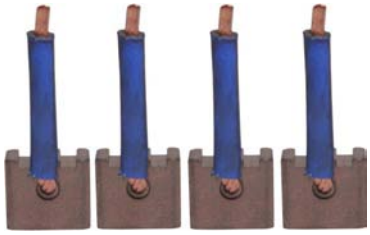
Replacing: jmtsx-55; 8599-24-750; m648c15372/472; m648c28671; m648x28271; md618460; 140389; m648x28671; m648c15
Servicing: 34466-03101; -20102; M2T54871; -81; -6181; -6182; -6185; -7271; -7273; -7771; -7773; -7871; -7881;
V. 12, **L.** 18.20, **Th.** 6.65, **H.** 17.90,
No. of brushes 4
Assort. 803027; 803038



140388 Brush Set

Replacing: jmtsx-56; r201-18-x66; se01-24-750; m648c25671/672; m648c28371; -571; m648x40811; m648c25671; jasx71
Servicing: M2T60072; -171; -571; -92071; -92171; -92172; -92271; M3T56089; -183; -66572; -67171; -67172; -6777
V. 12, **L.** 17.50, **Th.** 7.87, **H.** 23.86,
No. of brushes 4
Assort. 803027

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



140391 Brush Set

Replacing: jmtsx-9; taj200; 0603-23-643; e6457044m; 23380-21010; a648c10171; m648c10671; jasx29

Servicing: ME-Y1R; -3R

V. 12, **L.** 14.50, **Th.** 6.80, **H.** 16.35,
No. of brushes 4

Pkg 5



140395 Brush Set

Replacing: jmtsx-46; m648c24971/972; m648c24973/974; m648c24974

Servicing: M4T50073; -171; -5077

V. 12, **L.** 20.08, **Th.** 7.90, **H.** 24.65,
No. of brushes 4
Assort. 803027



140556 Brush Set

Replacing: jmtsx-36n; m648c12170; -370; 23380-e3010; 23380-u0110

Servicing: 23300-M8111; -U0114; M2T10171; M2T20181A; M2T20281; -3685; M3T10475; -6; -672; -1173; -1174; -1272;

V. 12, **L.** 17.50, **Th.** 6.60, **H.** 11.75,
No. of brushes 3
Assort. 803027; 803038



140559 Brush Set

Replacing: m647c00271; -2; -571; -573; jasx40-41

Servicing: 23300-20P11; -30F11; -30R13; -44R11; -48L10; -4E100; -4E210; -52F10; -53J12; -57M71; -5C015; -65F10

V. 12, **L.** 17.45, **Th.** 4.42, **H.** 11.90,
No. of brushes 4
Assort. 803027; 803038



140560 Brush Set

Replacing: m647c00371; -671; m647c01771; jasx42-43

Servicing: M1T6082; m1t66081; -74081; M1T74081A; M1T74087; -281; -381; -481; -491; -581; -583; -5181; M1T75181

V. 12, **L.** 18.10, **Th.** 4.40, **H.** 17.95,
No. of brushes 4
Assort. 803027

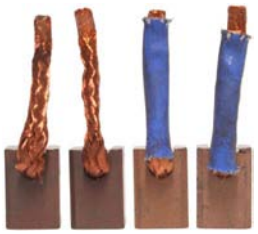


140561 Brush Set

Replacing: m647x02971; md611731

Servicing: 23300-W9810; M0T70681; -781; -1581; -1681; M1T60081; -71381; -72581; -72583; M1T72583G; M1T73281; -

V. 12, **L.** 17.45, **Th.** 4.40, **H.** 11.90,
No. of brushes 4

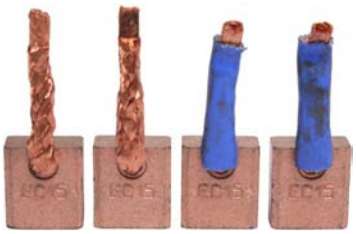


140591 Brush Set

Replacing: m648x28771; m648x30971; md607420; md618447; 23378-57j10; 23380-57j13

Servicing: 23300-0C410; -1; -5; -3M010; -57J12; -57J13; -5C900; M2T24181; -281; -5581; -5681; -50391; -51681;

V. 12, **L.** 17.47, **Th.** 6.53, **H.** 11.70,
No. of brushes 4
Assort. 803027



140708 Brush Set

Replacing: 140708; jasx91

Servicing: m1t50172

V. 12, **L.** 16.00, **Th.** 6.70, **H.** 14.30,
No. of brushes 4
Assort. 803027; 803038



140709 Brush Set

V. 12, **L.** 14.00, **Th.** 6.77, **H.** 11.75,
No. of brushes 4
Assort. 803027

Pkg 5



140743 Brush Set

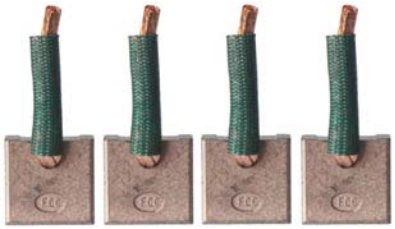
Replacing: m647x01871; PN40-18-X66
Servicing: M1T90081
V. 12, **L.** 17.55, **Th.** 4.45, **H.** 17.85,
No. of brushes 2



140921 Brush Set

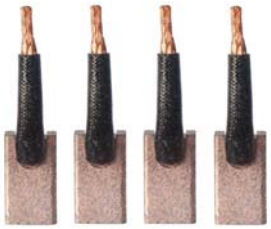
Replacing: m647x03971; m647x04571; jasx44-28
Servicing: 23300-1M210; -5; M0T60081; -80281; -80285; -80381; -80581; -80831; -80981; -81081; M1T60285; -77777
V. 12, **L.** 12.60, **Th.** 4.35, **H.** 11.85,
No. of brushes 4

Pkg 5



140930 Brush Set

V. 12, **L.** 16.63, **Th.** 4.34, **H.** 17.85,
No. of brushes 4



140931 Brush Set

Replacing: JMTSX-72; 140931; m647c00171; jasx45-46; m648d20671
Servicing: M2T40081
V. 12, **L.** 17.27, **Th.** 4.44, **H.** 9.73,
No. of brushes 4



140966 Brush Set

Replacing: bpd4-18-x66; f2d4-18-x66; m647x03471; m647x05871; -971; m647x06571; 236918
Servicing: 23300-0W010; M0T60181; M0T60181A; M0T80081; M0T80281A; -5A; M0T80381; -581; -681; -685; -686; -781;
V. 12, **L.** 4.50, **Th.** 12.00, **H.** 12.00,
No. of brushes 4

Pkg 5



140967 Brush Set

Replacing: m647x02071; -671
Servicing: 23300-50Y12; -4; M0T70281; -5; -381; -481; -1181; -1481; M1T72483ZC; MD173483; -4482; -80937; MT702
V. 12, **L.** 16.45, **Th.** 4.30, **H.** 11.80,
No. of brushes 2
Positive

Pkg 20



140973 Brush

Replacing: m648x40771; me701466
Servicing: M2T87271; -471; M8T70071; -371; -471; M8T70471A; M8T70472; -5071; M8T75071A; M8T75073; M8T75073A; M
V. 12, **L.** 17.45, **Th.** 6.55, **H.** 11.90,
No. of brushes 2, **Brush** 20
Posivie w/ leader.

Pkg 5



140983 Brush Set

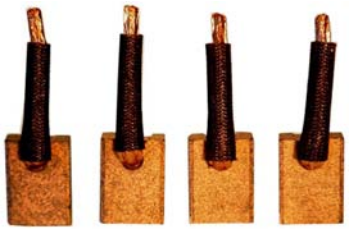
Replacing: m647c00871
Servicing: m1t72581; -3; -3281; -3285; -7681; -8981
V. 12, **L.** 16.40, **Th.** 4.27, **H.** 11.80,
No. of brushes 2

Pkg 20



141010 Brush

Replacing: m648x40972; me701494
Servicing: M2T80772; -7571; -7871; -S5071; M8T80071; M8T80071A; -B; M8T80171; -371; -372; -373; -374; -471; M8
V. 24, **L.** 17.20, **Th.** 6.50, **H.** 11.90,
No. of brushes Single, **Brush** 20



141037 Brush Set

Replacing: JMTSX-71; 141037
V. 12, **L.** 16.50, **Th.** 4.33, **H.** 11.88,
No. of brushes 4

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10

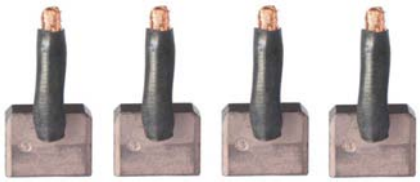


141102 Brush

Replacing: m648x28471

Servicing: M2T78372; -81; -82; -83; -482; -571; ME013390; -87590

V. 24, **L.** 18.10, **Th.** 7.75, **H.** 23.70, **No. of brushes** Single, **Brush** 10



141189 Brush Set

Replacing: M648C26771; me700304

V. 12, **L.** 18.10, **Th.** 7.90, **H.** 23.75, **No. of brushes** 4



141224 Brush Set

Servicing: m0t85381

V. 12, **L.** 15.50, **Th.** 4.40, **H.** 11.85, **No. of brushes** 4



141245 Brush Set

Servicing: 36100-38050; m0t81181; M60081

V. 12, **L.** 12.05, **Th.** 4.35, **H.** 11.93, **No. of brushes** 4



141253 Brush Set

Replacing: m647x04271; m647x05571; 647X04271

Servicing: M0T80881; M1T74581; -3; m1t74583zc; M1T75281; -3; -6481; M1T90081A; M1T95181; -281; -681

V. 12, **L.** 12.25, **Th.** 4.35, **H.** 11.85, **No. of brushes** 4



141259 Brush Set

Servicing: m0t86081

V. 12, **L.** 12.60, **Th.** 4.40, **H.** 11.90, **No. of brushes** 4

141273 Brush Set

Replacing: jmtsx-57; m648c26371; me700140; jasx96-97

V. 24, **L.** 6.8, **Th.** 18.00, **H.** 18.00



142006 Brush Set

Servicing: 19011501; m9t60371; -471; -671; -672; -1171; -80472

V. 24, **L.** 18.10, **Th.** 7.95, **H.** 29.75, **No. of brushes** 4



142056 Brush Set

Servicing: M0T45071ZT; m0t87081; -881; -91581

V. 12, **L.** 11.76, **Th.** 4.34, **H.** 11.84

Bushings

Pkg 10



140319 Bearing Bushinging

Replacing: 1000301083; fbm-10; m409d30901

Servicing: 0001106011; -2; -4; -5; -6; -7; -9; -22; -23; -24; -405; -406; -407; -409; -410; -7066; -7077; -709

O.D. 14.00, **I.D.** 10.00, **L.** 11.95, **Type** Standard, **Material** Copper
Assort. 803042

Pkg 10



140320 Bearing Bushinging

Replacing: fbm-16; fbm-16b; m410d11271; m410d12071; -171; md602686; 23319-m0110; 140558

Servicing: A3T22681; M2T10171; -20281; -50371; -50391; -53882; -54091; M3T10672; -977; -1272; -2572; -5772; -9

O.D. 13.00, **I.D.** 11.00, **L.** 12.85, **Material** Copper
Assort. 803042

Pkg 10



140321 Bearing Bushinging

Replacing: fbm-18; 0222-24-741; m409d32201; m410d30171; md602213
Servicing: 23300-M8111; -U0114; A3T22681; M2T10171; -271; M2T20181A; M2T20281; -3181; -3685; M3T10071; -372; -
O.D. 17.28, **I.D.** 14.25, **L.** 12.45, **Type** Standard, **Material** Copper
Assort. 803042

Pkg 10



140322 Bearing Bushinging

Replacing: fbm-28; m410d11671; mm502137
Servicing: M5T20172; -2175; -2176; -3272; -5373; -7672
O.D. 14.39, **I.D.** 12.20, **L.** 15.55, **Type** Standard, **Material** Copper

Pkg 10



140323 Bearing Bushinging

Replacing: fbm-32; m410d12671
O.D. 16.23, **I.D.** 14.00, **L.** 15.46, **Type** Standard, **Material** Copper

Pkg 10



140324 Bearing Bushinging

Replacing: fbm-34; m409d00301; m409j00301
O.D. 24.62, **I.D.** 20.63, **L.** 10.05, **Material** Copper
Assort. 803003

Pkg 10



140326 Bearing Bushinging

Replacing: fbn-14; md604062; 028403-0081; -2; 28111-51011
Servicing: 028000-1973; -5; -6; -2001; -2260; -2261; -2262; -2263; -2360; -2361; -2362; -2363; -2364; -2660; -
O.D. 14.70, **I.D.** 12.50, **L.** 13.85, **Material** Copper
Assort. 803001; 803042

Pkg 10



140328 Bearing Bushinging

Replacing: fbn-17; md604066; 28131-20010; 90099-10028
O.D. 16.50, **I.D.** 12.40, **L.** 10.50, **Type** Standard, **Material** Copper
Assort. 803001; 803042

Pkg 10



140428 Bearing Bushinging

Replacing: fbm-36; -40; n221-24-715; m409c12670; m409c13070; md607741; 23319-d0210; 140431
Servicing: 23300-M8111; -U0114; A3T22681; M2T20181A; M2T20281; -3685; M3T10473; -6; -672; -1173; -1174; -1272;
O.D. 14.00, **I.D.** 11.00, **L.** 12.80, **Type** Standard, **Material** Copper
Assort. 803042

Pkg 10



140429 Bearing Bushinging

Replacing: fbm-38; e356-18-x81; m409c32370; m649c32370; md607903; 36112-11140
Servicing: 23300-01E12; -3; -3E11; -H610; -18V10; -41B10; -41B15; -41B71; -53J10; -53J15; -60S10; -73C10; -73Y
O.D. 16.00, **I.D.** 11.90, **L.** 9.50, **Type** Standard, **Material** Copper
Assort. 803042

Pkg 10



140430 Bearing Bushinging

Replacing: fbm-37; m409c12870; md611042
Servicing: 23300-01E13; M2T30981; -7281; M2T37281A; M2T41181; -2; -3; -2481; -2482; -2581; -2681; -7581; -9781
O.D. 14.04, **I.D.** 10.10, **L.** 9.60, **Material** Copper
Assort. 803003; 803042

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



140466 Bearing Bushinging

Replacing: fbm-16rf; 140466

Servicing: M2T10271; M3T10071; -372; -9871; -22581; -24482; -24486; -25081; -25181; -25281; -25781; -25782; -2

O.D. 13.00, **I.D.** 11.00, **L.** 17.55, **Type** Standard, **Material** Steel
Assort. 803003; 803042

Pkg 10



140484 Bearing Bushinging

O.D. 21.15, **I.D.** 20.00, **L.** 10.80, **Material** Copper
Assort. 803003

Pkg 10



140505 Bearing Bushinging

Replacing: m409d01301

Servicing: M1T50071; S114-180F; -G; S114-182

O.D. 20.00, **I.D.** 17.00, **L.** 8.00, **Material** Copper
Assort. 803003; 803042

Pkg 10



140555 Bearing Bushinging

Replacing: fbm-39; e356-18-x01; m409c12970; m409c13270; md607892; 23319-m8011; 23338-01n10; 36182-21740

Servicing: M0T70281; -5; -6; -7; -381; -481; -681; -781; -881; -981; -985; -1181; -1381; -1385; -1481; -1581;

O.D. 14.00, **I.D.** 10.00, **L.** 12.40, **Type** Standard, **Material** Copper
Assort. 803042

Pkg 10



140581 Bearing Bushinging

Replacing: mp-4; 140581

O.D. 14.45, **I.D.** 12.85, **L.** 17.90, **Material** Copper
Assort. 803003

Pkg 10



140585 Bearing Bushinging

Replacing: mp-1; 140585

O.D. 14.90, **I.D.** 12.83, **L.** 26.00, **Material** Copper
Assort. 803003

Pkg 10



140586 Bearing Bushinging

Replacing: mp-2; 140586

O.D. 14.90, **I.D.** 12.83, **L.** 21.50, **Material** Copper
Assort. 803003

Pkg 10



140587 Bearing Bushinging

Replacing: mp-3; 140587

O.D. 15.72, **I.D.** 12.83, **L.** 21.50, **Material** Copper
Assort. 803003

Pkg 10



140629 Bearing Bushinging

O.D. 14.45, **I.D.** 12.90, **L.** 17.65, **Material** Copper

Pkg 10



140694 Bearing Bushinging

O.D. 15.10, **I.D.** 12.55, **L.** 9.60, **Type** Standard, **Material** Copper

Pkg 10



140695 Bearing Bushinging

O.D. 20.00, **I.D.** 18.80, **L.** 11.45, **Material** Copper

Pkg 10



140729 Bearing Bushinging

O.D. 14.00, **I.D.** 12.00, **L.** 20.85, **Type** Standard, **Material** Copper

Pkg 10



140730 Bearing Bushinging

O.D. 14.13, **I.D.** 12.08, **L.** 16.00, **Material** Copper

Pkg 10



140731 Bearing Bushinging

Replacing: m409c32401; m409x32471; -571; md618334; m409c32470

Servicing: 23300-08U10; -1; -5; -W010; -1M210; -1M215; -20P11; -30F11; -30R13; -41B16; -41B77; -41B78; -44R11;

Collar O.D. 15.95, **O.D.** 12.95, **I.D.** 10.10, **L.** 10.45, **Material** Copper
Assort. 803003; 803042

Pkg 10



140779 Bearing Bushinging

O.D. 22.00, **I.D.** 18.88, **L.** 8.95, **Type** Standard, **Material** Copper

Pkg 10



140804 Bearing Bushinging

O.D. 20.00, **I.D.** 15.00, **L.** 10.00, **Material** Copper

Pkg 10



140846 Bearing Bushinging

O.D. 22.05, **I.D.** 19.00, **L.** 8.80, **Type** Standard, **Material** Copper

Pkg 10



140907 Bearing Bushinging

O.D. 19.00, **I.D.** 14.65, **L.** 9.90, **Material** Copper

Pkg 10



140908 Bearing Bushinging

O.D. 15.95, **I.D.** 14.22, **L.** 10.69, **Type** Standard, **Material** Copper

Pkg 10



140915 Bearing Bushinging

Servicing: M2T80582

O.D. 14.05, **I.D.** 9.87, **L.** 11.70, **Type** Standard, **Material** Copper

Pkg 10



140964 Bearing Bushinging

O.D. 17.20, **I.D.** 15.45, **L.** 9.60, **Material** Copper
Used w/ bearing type 6003: Cargo 140273

Pkg 10



140970 Bearing Bushinging

O.D. 12.12, **I.D.** 8.12, **L.** 11.40, **Type** Standard, **Material** Copper

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



140998 Bearing Bushinging

O.D. 12.25, **I.D.** 10.75, **L.** 21.00 , **Type** Standard, **Material** Copper

Pkg 10



140999 Bearing Bushinging

O.D. 18.15, **I.D.** 14.15, **L.** 11.10, **Type** Standard, **Material** Copper

Pkg 10



141025 Bushinging

Servicing: M1T79482; m2t87671

Collar O.D. N7A, **O.D.** 14.06, **I.D.** 10.18, **L.** 12.30, **Material** Copper

Pkg 10



141027 Bushinging

O.D. 12.66, **I.D.** 10.81, **L.** 21.00, **Material** Copper

Pkg 10



141056 Bushinging

O.D. 13.90, **I.D.** 12.00, **L.** 20.00, **Material** Copper

Pkg 10



141081 Bushinging

O.D. 15.00, **I.D.** 12.15, **L.** 21.00, **Material** Copper

Pkg 5



141131 Bushinging

Servicing: m3t90071; -2

O.D. 22.20, **I.D.** 17.10, **L.** 16.20, **Material** Copper

Pkg 10



141145 Bushinging

Servicing: M0T60187; m1t77781

O.D. 11.50, **I.D.** 8.15, **L.** 11.25, **Material** Copper

Pkg 10



141146 Bushinging

Servicing: m1t77781

O.D. 14.00, **I.D.** 10.10, **L.** 12.00, **Material** Copper

Pkg 10



141148 Bushinging

O.D. 10.90, **I.D.** 8.15, **L.** 11.25, **Material** Copper

Pkg 10



141149 Bushinging

Servicing: mea10-7

O.D. 13.00, **I.D.** 11.00, **L.** 12.60, **Material** Copper

Pkg 10



141150 Bushinging

O.D. 13.00, **I.D.** 11.00, **L.** 12.60, **Material** Copper

Pkg 10



141151 Bushinging

O.D. 17.25, **I.D.** 14.25, **L.** 9.15, **Material** Copper

Pkg 10



141152 Bushinging

Servicing: M2T54272

O.D. 16.05, **I.D.** 14.15, **L.** 10.65, **Material** Copper

Pkg 10



141220 Bushinging

O.D. 13.06, **I.D.** 10.95, **L.** 13.10, **Material** Steel

Pkg 10



141243 Bushinging

Servicing: m191x68471

O.D. 15.05, **I.D.** 13.04, **L.** 21.0, **Type** Monterings

Pkg 10

142025 Bushinging

O.D. 11.65, **I.D.** 10.00, **L.** 14.15

142057 Bushinging

O.D. 20.92, **I.D.** 17.57, **L.** 7.31

Bearings

Pkg 10



140222 Bearing 608/2rs

Replacing: 9440924; 6082rsc3; 2114-15502; -11; 2114-45511; 2114-55002; 2130-3509; s930p12070; s930p14201; s930p

Servicing: 028000-3641; -2; -4323; -4343; -4450; -4540; -4940; -4990; -5060; -5120; -5190; -5390; -5780; -5800

O.D. 22.00, **I.D.** 8.00, **H.** 7.00

Assort. 802026; 803013; 803022; 803042

Pkg 26



140224 Bearing 6902/2rs

Replacing: 6902v; 69022rs1; 140224

Servicing: 31200-P03-005

O.D. 28.00, **I.D.** 15.00, **H.** 7.00

Assort. 803013

Pkg 10



140271 Bearing 6000/2rs

Replacing: 1989646; 60002rsrc3; 6000j; umb120; s930p14101; 949100-2760; 60002rs1; 6000c2hrs

Servicing: 00219091; -9; 028000-6260; -7700; -8620; -8980; -9270; -9320; -9321; -9380; -9510; -9800; -9860; 10

O.D. 26.00, **I.D.** 10.00, **H.** 8.00

Pkg 10



140412 Bearing

Replacing: m410x12971; me700849

Servicing: M2T50391; -1082; -1805; -4091; -4272; -4572; -4871; -6071; -6185; -64178; -64271; -66871; -66872; -

O.D. 37.00, **I.D.** 19.00, **H.** 9.00

w/ bushing.

Assort. 803013; 803042

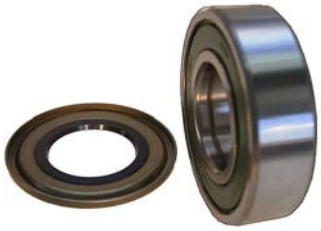
Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 16



140868 Bearing 6906/2rs

Replacing: 69062rs1; 6906ru; 140868
Servicing: M1T60185; S114-705
O.D. 47.00, **I.D.** 30.00, **H.** 9.00



141009 Bearing Set

Replacing: m690x00571; me701484; m690x00572
Servicing: M2T80772; -S0071; -S0271; -S5071; M8T50271; -5171; -70371; -75171; -77071; -77072; -77074; -77075;
O.D. 42.00, **I.D.** 20.00, **H.** 12.00
w/ oil seal: 20 x 38.20 x 2.40 mm.



141038 D.E. Bearing/Seal Kit

Replacing: m410x14171
Servicing: M2T57871; -81; -61771; -67881; -67882; -67883; -67981; -69081; -69381; -78372; -78381; -78382; -783
O.D. 42.00, **I.D.** 20.00, **H.** 12.00
Bearing w/ bushing: 18.80 x 42.00 x 12.00. Oil seal: 18.80 x 30.00 x 4.42.



141166 Bearing

Replacing: 6906dw
Servicing: m0t60081; -181; -187; m1t60281; -5; -381; S114-753
O.D. 47.00, **I.D.** 30.00, **H.** 9.00



141181 Bearing Kit

Replacing: m410x13671; md700540
Servicing: M3T56071; -2; -4; -82; -84; -85; ME037636; -77407; -77408; -77565
O.D. 47.10, **I.D.** 14.00, **H.** 18.70

Pkg 5



141254 Bearing Kit

Replacing: m690x00471; me701433
Servicing: M3T56089; M8T60071; -2; -89; -171; -173; -174; -271; -671; ME077796; -970
O.D. 47,00mm, **I.D.** 20,00mm, **H.** 14,00mm
W/ 2 inner grooves. Oil seal: 20.00 x 38.10 x 2.40.

Pkg 5



141255 Bearing Kit

Replacing: m690x00671; me701507
Servicing: M8T55471; -60073; -60371; -60372; -60373; -60389; -60471; -60489; -60571; -60771; -60871
O.D. 47,00mm, **I.D.** 20,00mm, **H.** 14,00mm
W/ 2 inner grooves. Oil seal: 20.00 x 38.20 x 4.30.

Pkg 10



142005 Bearing

Replacing: 6805D2; 68052rs; 142036
Servicing: M9T60471; -672; -1171
O.D. 37.00, **I.D.** 25.00, **H.** 7.00



142021 Bearing

Servicing: 39MT. 19011501; M9T80472
O.D. 58.00, **I.D.** 28.00, **H.** 16.00, **Lock ring** With, **Teflon ring** With
w/2 grooves inside bore.

Needle Bearings

Pkg 10



140514 Needle Bearing

Replacing: r201-24-715; s933p65270
Servicing: M2T92071; M2T92071A; M2T92171; -2; M2T92172A; M2T92271; M2T92271A; M2T95071
O.D. 17.00, **I.D.** 12.00, **L.** 12.00
Assort. 802035; 803013

Pkg 10



140738 Needle Bearing

Replacing: tlam01515; f210-18-x01; s933p70605; -69; 23319-25v10
Servicing: 23300-0C010; -H610; -P510; -18V10; -26V11; -30P16; -30P17; -41B15; -48L10; -53J10; -53J15; -60U11;
O.D. 15.00, **I.D.** 10.00, **L.** 15.00
Closed end. w/ rubber seal.
Assort. 802035

Pkg 5



140876 Needle Bearing

Replacing: tla141912ze01; 140876
Servicing: M2T66873; -7884
O.D. 18.73, **I.D.** 14.00, **L.** 12.00,
No. of rollers 19
Assort. 802035

Pkg 5



140920 Needle Bearing

Replacing: sce116; 140920
Servicing: M2T80582; -7671
O.D. 22.23, **I.D.** 17.46, **L.** 9.40,
No. of rollers 24

Pkg 5



141065 Needle Bearing

Replacing: ba136ZOH; 142060; 141065
Servicing: m8t50071; -2
O.D. 27.00, **I.D.** 20.50, **L.** 9.50,
No. of rollers 16

Pkg 10



141090 Needle Bearing

Replacing: db501005c; 141090
Servicing: m2t87671
O.D. 15.00, **I.D.** 10.00, **L.** 12.50 x 15.40
Closed end.
Assort. 802035

Repair Kits



139611 Repair Kit



233065 Terminal Kit

Servicing: m3t90071; -2
L. 37.30, **Thread** M8
Terminal kit for yoke: Cargo 232970.

Sundry Parts



132639 Stop Collar Kit

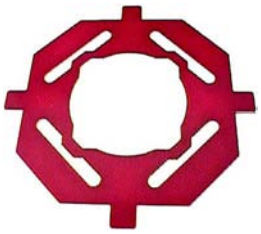
Replacing: m385x01273
Servicing: M5T20172; -2175; -2176; -3272; -5373; -7672
O.D. 20.50, **I.D.** 14.20, **Th.** 6.80
Assort. 803028

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



133021 Stop Collar Kit

Replacing: m385x03771
Servicing: 23300-0T005; -6; -T9009; -Z5570; 34466-03101; -200; -20102; -20201; 34766-20901; M2T54271; -371; -3
O.D. 21.00, **I.D.** 15.00, **Th.** 6.00
Assort. 803028



133811 Brush Gear Plate

Replacing: 31233-ph9-004; md604646; 028523-5030
Servicing: 128000-2520; -610; -611; -621; -631; -800; -820; -980; -3250; -3251; -3260; -3261; -3530; -3531; -3
O.D. 65.20



134851 Stop Collar Kit

Replacing: n326-18-x30; m385x04772; md611212; 23465-42l70
Servicing: 23300-08U10; -1; -5; -1P115; -20P11; -30F11; -30R13; -41B77; -41B78; -44R11; -48L10; -4E100; -4E210
O.D. 17.40, **I.D.** 12.10, **Th.** 4.30
Assort. 803028

Pkg 5



134948 Snap Ring

Replacing: m981d61301; 23359-w1710
Servicing: 23300-05E10; -9E10; m2t51082; -3; -5; -4771; -7371
O.D. 18.80, **Th.** 1.00
Assort. 803028



134949 Stop Collar Kit

Replacing: 0426-24-712a; m385x00272; m385x03371; md602720; 23465-p0610; 134953
Servicing: 23300-U0114; A3T22681; M2T10171; M2T20181A; M2T20281; -2; m3t10172; -372; -473; -475; -476; -672; -
O.D. 17.50, **I.D.** 13.00, **Th.** 6.80
Assort. 803028



134950 Stop Collar Kit

Replacing: n202-24-712; m385x03471; md607416; 23359-n5911
Servicing: 23300-0C410; -1; -5; -18C70; -3M010; -4P110; -57J12; -57J13; -5C900; -H9112; -N5911; M0T50071; -271
O.D. 19.00, **I.D.** 13.50, **Th.** 6.00
Assort. 803028



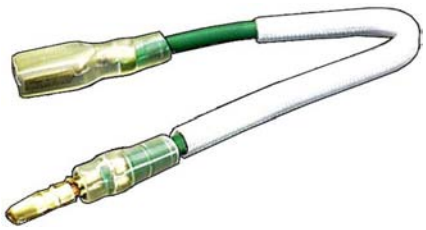
134951 Stop Collar Kit

Replacing: m385x04671; 23465-d0210
Servicing: m3t27685; -6
O.D. 17.50, **I.D.** 13.00, **Th.** 4.70
Assort. 803028



134952 Stop Collar Kit

Replacing: e356-18-x30; m385x04771; md607893; 23465-42l10; m385x04571; 36102-11130; -40
Servicing: 23300-01E12; -3; -3E11; -H610; -18V10; -41B71; -53J10; -53J15; -60S10; -D0213; -H5015; -T5072; -W04
O.D. 17.40, **I.D.** 12.00, **Th.** 4.50
Assort. 803028



134995 Coupler

Assort. 803028



135368 Stop Collar Kit

Replacing: m385x05071; PN40-18-X30
Servicing: M0T20471; -30871; -35171; -82081; m1t135368; M1T72483ZC; M1T90081; M1T90081A; m414x00474
O.D. 17.50, **I.D.** 12.00, **Th.** 5.00
Assort. 803028



135979 Spring Set

Replacing: 0426-24-754; m389x10871; md602963; 23475-e3010
Servicing: 23300-18C70; -H9112; -N5911; -U0114; M2T10171; -271; -20181; M2T20181A; M2T20182; -281; -50171; -50
O.D. 19.55, **L.** 14.50



137427 Circlip/Cover Set

Replacing: pn11-18-x50; m212x14471; md607940
Servicing: M2T51181; -281; -282



137457 Spring Set

Replacing: m389x11473; m389x12371; me700134
Servicing: 23300-T9009; 34466-03200; -20201; M2T54271; -371; -372; -471; -671; -6471; -6472; -7871; -7881; -60



137545 Circlip/Cover Set

Replacing: 8599-24-741; m212x11771; me700125
Servicing: 23300-T9009; 34466-03101; -200; -20102; -20201; M2T54271; -371; -372; -471; -572; -671; -5571; -617



137546 Circlip/Cover Set

Replacing: m212x11573; me700973
Servicing: M2T57871; -81; -61771; -67881; -67882; -67883; -67884; -67981; ME001565; -7655; -17085; -17646



137927 Spring Set

Replacing: g601-18-x06; m389x10878
Servicing: 23300-0C010; -P510; -26V11; -M8111; M1T50471; M2T23684; -5; -4081; -4082; -4181; -4281; -5081; -508
O.D. 19.45, **L.** 14.70



138197 Spring Set

Replacing: pn12-18-x05; m389x11478; m389x12871
Servicing: 34466-03101; -20102; M2T54572; -5571; -62271; -64178; -65271; -65272; -66071; -66271; -66272; -6798

Pkg 10



138889 Stop Collar Kit

Replacing: m385x05371; 23465-w9810
Servicing: 23300-0W010; -1P175; -52F10; -65F10; -79E10; -W9810; M0T60081; M0T60081A; M0T60181; M0T60181A; m0t6
O.D. 15.00, **I.D.** 12.00, **Th.** 5.50



139203 Screw Set

Replacing: e356-18-x95; m414x00474; md607887; 36111-32510
Servicing: M0T20471; -30471; -30571; -30871; -35171; -60481; -70381; -70481; -70681; -70781; -71181; -71481; -
Thread L. 22.00/7.50, **Thread** M6/M5



139411 Spring Set

Replacing: m389x10877; mm502330
Servicing: A3T22681; M2T50391; -1181; -1281; -1282; -8081; -8381; -8481; -8581; -8681; -8781; -8881; M3T10475;

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



139414 Spring Set

Replacing: r201-24-754; m389x11472; -82; md607446; md619001; 135978
Servicing: M2T56171; -81; -82; -85; -271; -272; -971; -7271; -7273; -7771; -7773; -60171; -60172; -60185; -606



139415 Spring Set

Replacing: m389x11973; 23475-57j10
Servicing: 23300-0C410; -1; -5; -3M010; -57J12; -57J13; -5C900; M2T51681; -61871; M2T61871A; -B; -2071A; M2T62
O.D. 19.40, **L.** 15.90



139416 Gasket Set

Replacing: m378x61871; m578x61871; 23385-57j10
Servicing: 23300-0C410; -1; -5; -3M010; -57J12; -57J13; -5C900; M2T51681; -61871; m2t61871a; -b; -2071a; m2t62
O.D. 76.10, **I.D.** 73.00, **Th.** 1.55



139539 Stop Collar Kit

Replacing: m385x05971; md618964
Servicing: M2T84071; -171; -571; -5271; -5471; -7071; -7171; -7271; -7371; -7471; -7571; -7871; -7971; -8071;
O.D. 18.40, **I.D.** 13.10, **Th.** 5.00



139610 Stop Collar Kit

Servicing: m3t90071; -2
O.D. 17.50, **I.D.** 13.00, **Th.** 6.80

Pkg 50



191559 Terminal

Converts straight male terminal to angleshaped male terminal



230999 Screw Set

Replacing: m414x00171; -472
Servicing: 23300-01E12; -3; -3E11; -5E10; -8U10; -8U11; -8U15; -9E10; -C010; -C410; -C411; -C415; -H610; -P510
Thread L. 7.50/22.00, **Thread** M5/M6



231001 Washer Kit

Replacing: 24460-m8011; m900x02471; md607896
Servicing: 23300-01E12; -3; -3E11; -H610; -18V10; -41B10; -41B15; -41B71; -53J10; -53J15; -60S10; -73C10; -73Y



231120 Screw Set

Replacing: m414x00471; -87
Servicing: 23300-1P115; -75; -6P010; A3T22681; M2T84071; -171; -271; -571; -671; -5271; -5471; -7071; -7171; -
Thread L. 40139, **L.** 26.5/15.5, **Thread** M6/M5, **Slot type** Phillips, Pozidriv



231121 Washer Set

Replacing: m900x00171
Servicing: 23300-M8111; -U0114; A3T22681; M2T10171; M2T20181A; M2T20281; -3685; M3T10475; -6; -672; -1173; -11



231388 Screw Set

Replacing: m414x04871; -2; me700131
Servicing: 23300-T9009; 34466-03101; -200; -20102; -20201; M2T54271; -372; -471; -572; -671; -5571; -6171; -61
Thread L. 12.00/30.00/42.00, **Thread** M5/M6/M6

Pkg 10



231581 Washer Kit

Replacing: vs10-18-x33; m982x38871; me701436

Servicing: 23300-Z5570; M2T80772; M3T56089; M8T50271; -5171; -5471; -60071; M8T60071A; M8T60072; M8T60072A; M8

O.D. 36.60, **I.D.** 21.25, **Th.** 0.80, **Material** Steel

Pkg 10



231684 Stop Collar Kit

Replacing: m385x04871; 23465-70t10

Servicing: 23300-1M210; -5; -41B16; M0T70881; -80281; M0T80281A; M0T80285; M0T80285A; M0T85981; M1T73285; MT70

O.D. 17.40, **I.D.** 12.10, **Th.** 6.50

Pkg 10



232597 Seal Kit

Servicing: M3T90071; -2

Pkg 5



232598 Gasket

Servicing: M3T90071; -2

Material Rubber

Pkg 5



233058 Retaining Ring

Servicing: M3T67281

O.D. 15.00, **Th.** 1.55

Included in stop collar kit: cargo 133021

Pkg 5



233059 Retaining Ring

O.D. 13.00, **Th.** 2.30

Included in stop collar kit: cargo 139610

Pkg 5



233060 Retaining Ring

O.D. 13.00, **Th.** 1.75

Included in stop collar kit: cargo 134949

Pkg 5



233061 Cover

Servicing: m3t90071; -2

O.D. 23.90, **H.** 2.15

Pkg 5



233164 Drain Tube

Servicing: m8t50071; -171; mp112033; -40; -42

O.D. 11.55, **I.D.** 7.70, **L.** 9.90



233541 Connector

Servicing: m1t71581; -681; s114-306; -458; -605; -607

Assort. 803028



234043 Mounting Bracket

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



234972 Stop Collar Kit

O.D. 17.50/19.00, **I.D.** 13.50, **Th.** 6.00



235002 Stop Collar Kit

O.D. 19.40/20.80, **I.D.** 15.10, **Th.** 6.10



235003 Stop Collar Kit

O.D. 19.40/20.80, **I.D.** 15.10, **Th.** 5.90

Pkg 10



235161 Cover

Servicing: m0t45271zt; m0t80381; -4781; -6081; -6181; -6481; -7081; -91581; m1t70283; m1t70283zc; m1t72483; m1

O.D. 13.00, **H.** 5.30

Pkg 10



236094 Drain

Servicing: m0t80082; -5381; -6181; m1t60285; -72285; -74283; -80481; -85781; m2t87171; -8071; m52100

Pkg 10

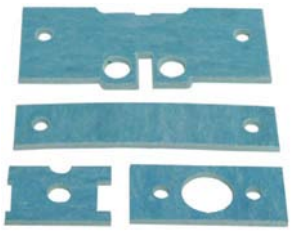


237101 Gasket

Servicing: M9T60471; -671; -672; -1171

O.D. 42.00, **I.D.** 24.30, **H.** 2.90

Pkg 10



238787 Fibre Plate Set

239167 Pole Shoe

Servicing: 228000-9540; 63111005; -8; -18; -37; 63223536

L. 30.39, **H.** 7.42, **W.** 27.68

Oil Seals



133020 Oil Seal

Replacing: s806p10901; s806p94103

Servicing: 34766-20901; M2T64471; M3T54071; -2; -6076; -6174; -6181; -6182; -6183; -8071; -8571; -8771; M4T509

O.D. 35.25, **I.D.** 16.55, **H.** 6.90

Assort. 803028; 803039



135940 Oil Seal

Replacing: s806p94203

Servicing: 34466-20102; -201; M2T56471; -60271; -61371; -65271; M3T64172

O.D. 42.15, **I.D.** 18.50, **H.** 6.50

Assort. 803039

Pkg 5



230759 Seal

O.D. 38.00, **I.D.** 21.00, **H.** 2.45

Pkg 10



233591 Oil Seal

Servicing: m2t62271

O.D. 34.20, **I.D.** 18.75, **H.** 4.90

Pkg 10



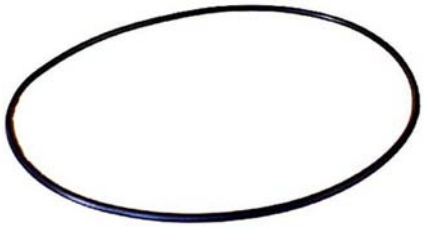
236453 Oil Seal

Servicing: m9t60371

O.D. 42.00, **I.D.** 23.00, **H.** 3.25

O - rings

Pkg 10



133036 Gasket

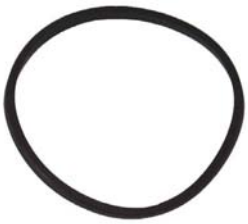
Replacing: m578d20901; 231890

Servicing: 23300-T9009; -Z5570; 34466-03101; -200; -20102; -20201; M2T54271; -371; -372; -471; -572; -671; -55

I.D. 76.00, **Th.** 1.20

Assort. 803028

Pkg 10



231891 O-Ring

Th. 2.75

Thru Bolts

Pkg 10



135982 Thru Bolt

Replacing: 1003527105; m981s70202

Servicing: 0001208516; -9; -707; -11207; -11208; -11216; -11218; -11219; -11233; -11234; -11247; -11248; -1125

L. 138.00, **Thread size front** M5, **Thread size rear** M5



136359 Thru Bolt

Replacing: m901x00371; md602738; m981x74671

Servicing: 34466-03101; -200; -20102; -20201; M2T54271; -371; -372; -471; -572; -671; -5571; -6181; -6182; -62

Collar L. 161.25, **L.** 167.45, **Thread** M6

Pkg 100



191531 Thru Bolt

Replacing: m901x01571; 949006-5080

Servicing: 028000-4800; -5660; -5661; -5860; -5862; -5863; -5890; -5891; -6010; -6013; -6021; -6022; -6590; -6

L. 85.00, **Thread L.** 25.00, **Thread** M6

Assort. 803031; 804029

Pkg 100



191585 Thru Bolt

Replacing: 1003410115; 1003450013; 1004450013; 1123429203; m981d73205; 949042-1840; 135936; -83; 1003450010; -4

Servicing: 0001107032; -4; -45; -56; -62; -63; -66; -67; -76; -78; -83; -87; -89; -91; -97; -101; -102; -108;

L. 135.00, **Thread L.** 60.00, **Thread** M5



231122 Thru Bolt

Replacing: m901x00171

Servicing: M3T10475; -6; -1173; -1174; -9071; -20081; -20181; -20381; -20781; -22081; -23281; -29081; -29681;

Collar L. 132.30, **L.** 138.35, **Thread** M6

Pkg 2



231345 Thru Bolt

Replacing: m981c74201

Servicing: 23300-0C010; -18C70; -H9112; M1T40271; -371; M2T24081; -2; -5481; -52172; -52181; -52185; -52381; -

Collar L. 140.00, **L.** 144.00, **Thread** M5

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



231393 Thru Bolt

Replacing: r201-24-731; m981x75371
Servicing: M2T60072; -92071
Collar L. 178.25, **L.** 183.50, **Thread** M6



231394 Thru Bolt

Replacing: n202-24-729a; m981c73901; 23340-n5910
Servicing: 23300-0P510; -26V11; -N5911; M2T24181; -5081; -5082; -5083; -5581; -50171; -50181; -50281; -50285;
Collar L. 149.00, **L.** 153.00, **Thread** M5



231399 Bolt

Replacing: n202-24-731; m981c74001; 23340-n5915
Servicing: 23300-18C70; -H9112; -N5911; M1T50471; M2T50171; -81; -281; -285; -371; -381; -585; -981; -1181; -1
Collar L. 73.20, **L.** 78.00, **Thread** M5

Pkg 5



231505 Thru Bolt Set

Replacing: nf01-18-x90; m981x72874; md618969
Servicing: M2T25381; -981; -84071; -84171; -84571; -85271; -85471; -87071; -87171; -87271; -87371; -87471; -87
Collar L. 149.10, **L.** 155.00, **Thread** M6

Pkg 2



231528 Thru Bolt

Replacing: m981x76071; me700291
Servicing: 23300-Z5570; M3T56089; -90271; -90273; -93071; -95071; -95073; -95081; -95082; -95171; -95172; -952
Collar L. 199.60, **L.** 205.95, **Thread** M6



231683 Thru Bolt Set

Replacing: m981x73274; 23340-0m210
Servicing: 23300-1M210; -5; M0T35171; -65381; -80081; -80281; M0T80281A; M0T80285; M0T80285A; M0T80381; -581;
Collar L. 114.00, **L.** 118.00, **Thread** M5

Pkg 2



233063 Thru Bolt

Servicing: 19011501; M9T60471; -80472
Collar L. 198.55, **L.** 204.10, **Thread** M6

Armatures



132534 Armature

Replacing: 1-81121007-0; 1-21100-1190; 1-81121-0070

Servicing: 0-21000-3271; -480; -491; -520; -650; -651; -661; -690; -711; -783; -931; -4192; -4193; -4471; -485

V. 24, **kW.** 3.7, **Core OD** 82.65, **Shaft L.** 355.80, **Splines** 15, **Rotation** CR
KW = 3.7/5.2

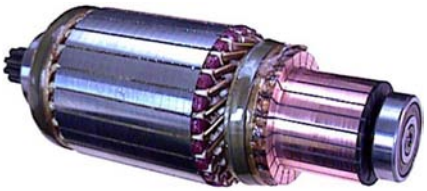


132536 Armature

Replacing: 1-81121033-0; 0-23100-0121; 1-23100-0120; 7-23100-0040; -290; 133861

Servicing: 0-23000-6070; -1; -2; -91; -103; -140; -150; -160; -170; -181; -211; -222; -225; -250; -310; -470;

V. 24, **kW.** 7.5, **Core OD** 74.40, **Shaft L.** 219.20, **No. of teeth** 9, **Rotation** CR/ACR



132537 Armature

Replacing: 7-23100-0070

Servicing: 0-23000-1030; -1; -3; -50; -60; -70; -71; -80; -100; -310; -320; -370; -670; -700; -2341

V. 24, **kW.** 4.5, **Core OD** 59.95, **Shaft L.** 180.50, **No. of teeth** 8, **Rotation** CR/ACR
Bearing C.E.: Cargo 140080. Bearing D.E.: Cargo 140285.



132539 Armature

Replacing: 0-23100-0171; 1-23100-0170; 7-23100-0140; -70; -250; 132538; 7-23100-0171

Servicing: 0-23000-0040; -60; -100; -150; -180; -200; -250; -272; -283; -330; -370; -450; -6680

V. 24, **kW.** 2.8, **Core OD** 48.40, **Shaft L.** 186.10, **No. of teeth** 8, **Rotation** CR/ACR
Bearing C.E.: Cargo 140297. Bearing D.E.: Cargo 140285.



133391 Armature

Replacing: 0-23100-0161; 1-23100-0160; 7-23100-0190; -220; 133862; 135666

Servicing: 0-23000-1160; -70; -90; -231; -240; -270; -290; -330; -360; -400; -410; -430; -530; -550; -601; -62

V. 24, **kW.** 5.5, **Core OD** 59.60, **Shaft L.** 191.00, **No. of teeth** 11
Bearing C.E.: Cargo 140080. Bearing D.E.: Cargo 140286.



134971 Armature

Replacing: 0-23100-0200; -1; 7-23100-0160; -200; -201; -240; -330

Servicing: 0-23000-0081; -91; -120; -172; -173; -210; -260; -262

V. 12, **kW.** 2.2, **Core OD** 48.40, **Shaft L.** 174.30, **No. of teeth** 8, **Rotation** CR/ACR



135667 Armature

Replacing: 0-23100-0230; -1

Servicing: 0-23000-6232; -51; -53; -341; -343; -512; -520; -523; -524; -531; -533; -552; -563; -601; -610; -61

V. 24, **kW.** 7.5, **Core OD** 74.40, **Shaft L.** 209.50, **No. of teeth** 9, **Rotation** CR/ACR



135668 Armature

Replacing: 7-23100-0310; 0-23100-0251

Servicing: 0-23000-3150; -2; -60; -70; -80; -200; -250; -270; -280; -285; -291; -301; -321; -332

V. 24, **kW.** 7.5, **Core OD** 64.90, **Shaft L.** 213.60, **No. of teeth** 9, **Rotation** CR/ACR



135703 Armature

Replacing: 7-23100-0090

Servicing: 0-23000-1010; -20; -40; -300

V. 12, **kW.** 2.2, **Core OD** 60.15, **Shaft L.** 180.00, **No. of teeth** 8, **Rotation** CR/ACR



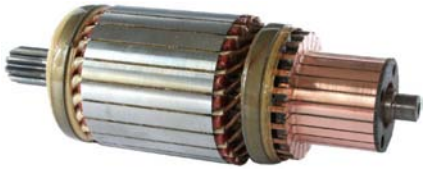
137074 Armature

Replacing: 1-21100-1370

Servicing: 0-21000-4720; -1; -930; -931; -932; -933; -934; -5020; -5021; -5110; -5130; -5200; -5330; -5350; -5

V. 24, **kW.** 3.5, **Core OD** 74.50, **Shaft L.** 305.00, **Splines** 12, **Rotation** CR

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



137543 Armature

Replacing: 0-23100-0380; -1

Servicing: 0-23000-2100; -1; -200; -201; -541

V. 24, **kW.** 4.5, **Core OD** 60.17, **Shaft L.** 177.15, **No. of teeth** 9



234102 Armature

Replacing: 0-23100-0190; -1; 7-23100-0230

Servicing: 0-23000-1390; -1; -680

V. 24, **kW.** 4.5, **Core OD** 60.00, **Shaft L.** 88.00, **Splines** 8



234103 Armature

Replacing: 0-23100-0430

Servicing: 0-23000-7671; -731; -8061

V. 24, **kW.** 11.0, **Core OD** 74.50, **Shaft L.** 212.00, **Splines** 10



234104 Armature

Replacing: 0-23100-0240

Servicing: 0-23000-1420; -520

V. 12, **kW.** 3.0, **Core OD** 59.75, **Shaft L.** 194.00, **Splines** 8

Yokes



132529 Yoke Assy

Replacing: 0-23200-0240

Servicing: 0-23000-0040; -50; -51; -60; -100; -180; -200; -250; -270; -272; -283; -330; -370; -450

V. 24, **kW.** 2.8, **O.D.** 78.20, **L.** 117.85, **Brush gear** w/o, **Magnets** w/o



134972 Yoke Assy

Replacing: 0-23200-0270; -1

Servicing: 0-23000-0081; -91; -120; -172; -173; -210; -260; -262; -1420

V. 12, **kW.** 2.2, **O.D.** 78.00, **L.** 105.90, **Brush gear** w/o, **Magnets** w/o



135678 Yoke Assy

Replacing: 0-23200-0560

Servicing: 0-23000-1940; -2030; -2040; -2050; -2100; -2150; -2180; -2190; -2200; -2240; -2270

V. 24, **kW.** 4.5, **O.D.** 90.00, **L.** 105.20, **Brush gear** w/o, **Magnets** w/o

235751 Yoke

Replacing: 0-23200-0150; res10316

Servicing: 0-23000-6510; -850; -901; -7091; -7511

V. 24, **kW.** 7.5, **O.D.** 114.00, **L.** 116.20, **Rotation** CR

Field Coils



132530 Field Coil

Replacing: 0-23230-0110

Servicing: 0-23000-1030; -1; -3; -50; -60; -70; -71; -80; -100; -310; -320; -370; -390; -670; -680; -700; 8567

V. 24, **kW.** 4.5, **H.** 104.50, **Brush gear** w/o



132531 Field Coil

Replacing: 0-23230-0150

Servicing: 0-23000-6211; -32; -50; -51; -310; -341; -510; -523; -524; -530; -531; -540; -552; -590; -600; -601

V. 24, **kW.** 7.5, **H.** 119.30, **Brush gear** w/o



132532 Field Coil

Replacing: 1-81112007-0; 1-81112015-0; 7-21230-0080

Servicing: 0-21000-3271; -480; -491; -520; -650; -651; -661; -690; -711; -783; -931; -4132; -4192; -4193; -447

V. 24, **kW.** 3.7/5.5, **H.** 120.90, **Brush gear** w/o



133392 Field Coil

Replacing: 0-23230-0210

Servicing: 0-23000-1160; -70; -231; -240; -270; -290; -330; -360; -400; -410; -430; -530; -550; -601; -620; -6

V. 24, **kW.** 5.5, **H.** 123.15, **Brush gear** w/o



135669 Field Coil

Replacing: 0-23230-0281

Servicing: 0-23000-3150; -60; -70; -80; -200; -230; -240; -250; -260; -270; -280

V. 24, **kW.** 7.5, **H.** 107.65, **Brush gear** w/o

Solenoids



132493 Safety Switch

Replacing: 0-25000-6080; -1; -2; -3; -90; 0-25000-8430; 7-25000-6090

Servicing: 0-21000-4850; -60; -70; -71; -80; -5080; 0-23000-0060; -180; -330; -370; -1160; -1170; -1240; -1430

V. 24



132494 Safety Switch

Replacing: 0-25000-6850; -2; 0-25000-8100; -2; -3

Servicing: 0-23000-6530; -1; -3; -8300

V. 24



132495 Solenoid

Replacing: 1-81151011-0; -2-0; -3-0; 1-81151030-0; 1-81151047-0; -8-0; 0-47100-2650; -90; 0-47100-3030; -1; 132

Servicing: 0-21000-3271; -480; -520; -650; -651; -661; -690; -711; -783; -931; -4192; -4193; -4471; -4850; -48

V. 12, **B+** M10, **Coil bolt** M10

Cap: Cargo 138897.



132498 Solenoid

Replacing: 5-81151036-0; 0-47100-3100; -10

Servicing: 0-2100-3041; 0-23000-1030; -1; -3; -50; -70; -71; -80; -100; -310; -320; -370; -670; -700; -2341

V. 24, **B+** M10, **Coil bolt** M8

Cap: Cargo 138898.



132499 Solenoid

Replacing: 0-47100-3420; 0-47100-4140; -1

Servicing: 0-23000-1620; -30; -6210; -6211; -6232; -6250; -6251; -6253; -6310; -6341; -6343; -6510; -6520; -65

V. 24, **B+** M10, **Coil bolt** M10

Cap: Cargo 234516.



132500 Solenoid

Replacing: 0-47100-3590; -1; -2; 0-47100-4360; 132501

Servicing: 0-23000-0040; -60; -100; -150; -180; -200; -250; -272; -3590

V. 24, **B+** M8, **Coil bolt** M8

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



132603 Safety Switch

Replacing: 1-81171001-0; 1-81171010-0; 5-81171005-0; 0-25000-5250; -3; -90; -91
Servicing: 0-21000-3625; -61; -4452; -4471; 0-25000-5253; -90
V. 24



133292 Solenoid

Replacing: 0-47100-3880
Servicing: 0-23000-0120
V. 12, **B+** M8, **Coil bolt** M8



133395 Solenoid

Replacing: 0-47100-3510
Servicing: 0-23000-1160; -70; -231; -240; -270; -290; -330; -360; -400; -410; -430; -530; -640; -660; -750; -2
V. 24, **B+** M10, **Coil bolt** M8
Cap: Cargo 233121.



133482 Solenoid

Replacing: 5-81151038-0; 0-47100-3180; -010
Servicing: 0-21000-4720; -931; -932; -933; -934; -5350; -5360
V. 24, **B+** M8, **Coil bolt** M8
Cap: Cargo 139511. Moving contact: Cargo 139512.



133852 Solenoid

Replacing: 10457055; d930a; 0-47100-4270; zm-805
Servicing: 28MT. 10479604; -15; -19; 1113273; -4; -5; -6; -8; -9; -80; -81; -82; -84; -86; -87; -89; -90; -97
V. 12, **B+** M10, **Coil bolt** M8
Cap: Cargo 134841. Switch terminal: M5.



134630 Solenoid

Replacing: 1-81151008-0; 0-47100-2670; -1; -2; 0-47100-3040; -1; -60
Servicing: 0-21000-3333; -90; -91; -411; -625; -800; -4452; -4740; -4790; -4850; -4860; -4870; -4880; -5080; -
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 138897.



134631 Solenoid

Replacing: 0-47100-4060; -2
Servicing: 0-23000-0051; -281; -283; -330; -370
V. 24, **B+** M8, **Coil bolt** M8
Cap: Cargo 139511. Moving contact: Cargo 139512.



134632 Solenoid

Replacing: 0-47100-4070; -1
Servicing: 0-23000-0171; -2; -3; -210
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139511. Moving contact: Cargo 139512.



134974 Solenoid

Replacing: 0-47100-3901; 134974
Servicing: 0-23000-0260; -2
V. 12, **B+** M8, **Coil bolt** M8



135521 Solenoid

Replacing: 10457116; zm-810; 0-47100-4220
Servicing: 28MT. 10479605; -12; 1113277; -91
V. 24, **B+** M10, **Coil bolt** M8
Cap: Cargo 138898. Switch terminal: M5.



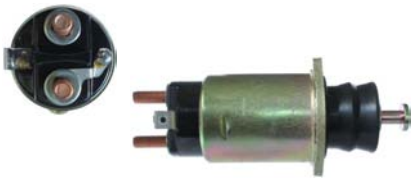
135674 Solenoid

Replacing: 0-47100-3940; -4
Servicing: 0-23000-3150; -2; -60; -70; -80; -200; -230; -240; -241; -270; -280; -285; -291; -301; -321
V. 24, **B+** M10, **Coil bolt** M10



135675 Solenoid

Replacing: 0-47100-3261
Servicing: 0-21000-4721; -5020; -5021; 0-23000-1010
V. 24, **B+** M8, **Coil bolt** M8



135676 Solenoid

Replacing: 5-81151049-0; 0-47100-3290
Servicing: 0-23000-1020; -300
V. 12, **B+** M8, **Coil bolt** M8



135677 Solenoid

Replacing: 0-47100-3920
Servicing: 0-23000-1420; -520; 0-25000-1520
V. 12, **B+** M10, **Coil bolt** M8



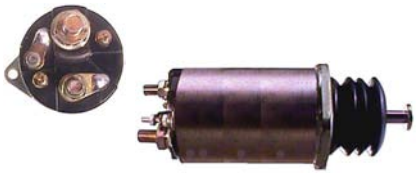
136400 Solenoid

Replacing: 856407; 0-47100-3660
Servicing: GR2; GR45; GR45/10; -7; -8; -9; GR45/2; -3; -9
V. 24, **B+** M12, **Coil bolt** M8



137544 Solenoid

Replacing: 0-47100-4240
Servicing: 0-23000-2100; -1; -200; -201; -541
V. 24, **B+** M10, **Coil bolt** M8



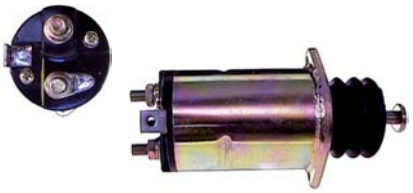
137811 Solenoid

Replacing: 10456454; zm-806; 0-47100-4100; -60; -390
Servicing: 28MT. 1113269; -70; -95; -96
V. 12, **B+** M10, **Coil bolt** M8
Cap: Cargo 137824.



138896 Solenoid

Replacing: 1-81151037-0; 1-81151044-0; 0-47100-3070
Servicing: 0-23000-6000; -30; -40; -70; -71; -90; -91; -100; -101; -102; -110; -160; -170; -370; -511; -580; -
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 138897. 7.40 kW.



139510 Solenoid

Replacing: 5-81151034-0; 0-47100-2970
Servicing: 0-21000-4231; -5230; -5231
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 139511 Moving contact: cargo 139512



230186 Safety Switch

Replacing: 10457367; 0-25000-7780; -930; ZM-2409
Servicing: 28MT. 10479627

24V.



231734 Solenoid

Replacing: 1-81151073-1; 23343-99212; 0-47100-3750; 1-81151073-0; 0-47100-3900
Servicing: 0-23000-6470; -630; -640; -641; -680; -710; -880
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 138897. 7.40 kW.



231735 Solenoid

Replacing: 7-47100-0130; 9-82150083-0; 7-47100-0040; 5-81151003-0; 5-81151012-0; -3-0
Servicing: 0-21000-3462; -4040; -4830; -4900
V. 24, **B+** M8, **Coil bolt** M8
Cap: Cargo 139511.



231819 Solenoid

Replacing: 10457369; 0-47100-4420
Servicing: 28MT.
V. 24, **B+** M10, **Coil bolt** M8
Relay terminal: M5. Cap: Cargo 232203.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



232223 Solenoid

Replacing: 0-47100-2073
Servicing: 0-21000-2480; -4
V. 12, **B+** M8, **Coil bolt** M8



233686 Safety Switch

Replacing: 0-25000-6320; 0-25000-7811; -2
Servicing: 0-23000-1070; -1; -80; -700; -2341; -6170; -6580
V. 24



233687 Safety Switch

Replacing: 0-25000-7690; -822; -823
Servicing: 0-23000-2100; -541
V. 24



233688 Safety Switch

Replacing: 0-25000-6951; -0; -3; 0-25000-8900
Servicing: 0-23000-1230; -1; -90; -330; -6630
V. 24



234253 Solenoid

Replacing: 0-25000-8340; -1; 0-25000-7342
Servicing: 0-23000-7022
V. 24

Solenoid Parts

Solenoid Caps



138897 Solenoid Cap

Servicing: 0-47100-2670; -90; -3030; -3040; -3041; -3060; -3070
O.D. 69.50, **No. of leads** 3



138898 Solenoid Cap

Servicing: 28MT. 0-47100-3110; 10457116
O.D. 56.85, **No. of leads** 3
Terminal: M5.



139511 Solenoid Cap

Servicing: 0-47100-1380; -2970; -3010; -3100; -3180; -3901; -4060; -4070; -4071; 7-47100-0130
O.D. 56.90, **No. of leads** 3



233121 Solenoid Cap

Servicing: 0-47100-3510
O.D. 57.00, **No. of leads** 3



233461 Solenoid Cap

Servicing: 28MT.
O.D. 55.00, **No. of leads** 3
Solinoid: cargo 231251.



234516 Solenoid Cap

Servicing: 0-47100-3420
O.D. 79.70, **No. of leads** 3

Moving Contacts



139512 Moving Contact

Th. 3.70, **W.** 31.00, **Material** Steel



234550 Moving Contact

Th. 4.25, **Material** Copper

Drives



132514 Drive

Replacing: 0-23500-0350; -3

Servicing: 0-23000-0031; -2; -40; -60; -100; -240; -330; -450

O.D. 35.20, **I.D.** 13.00, **L.** 71.00,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



132515 Drive

Replacing: 0-23500-0520; -3

Servicing: 0-23000-0250; -72; -83; -370

O.D. 40.40, **I.D.** 14.00, **L.** 81.00,
No. of teeth 11, **Splines** 12, **Rotation** CR,
Drive type Steel



132516 Drive

Replacing: 1-12500-1530; 1-21500-1530

Servicing: 0-21000-3390; -1; -4890; -5080; -5210

O.D. 56.70, **I.D.** 19.00, **L.** 114.45,
No. of teeth 11, **Splines** 15, **Drive type** Steel

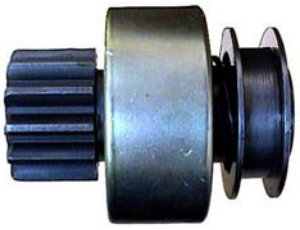


132518 Drive

Replacing: 1-21500-1040; -590; -600; -620; 132517

Servicing: 0-21000-3271; -520; -650; -651; -661; -690; -711; -4132; -4471; -4690; -4850; -5150

O.D. 40.30, **I.D.** 15.80, **L.** 101.40,
No. of teeth 11, **Splines** 15, **Drive type** Steel

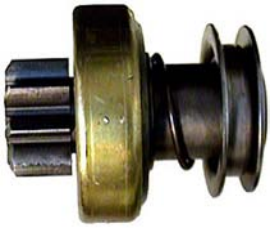


132519 Drive

Replacing: 1-23500-0170

Servicing: 0-23000-3150; -2; -80; -270; -280; -285; -291; -301; -321; -332; -6250; -6251; -6253; -6310; -6530;

O.D. 46.40, **I.D.** 18.85, **L.** 96.80,
No. of teeth 12, **Splines** 15, **Rotation** CR,
Drive type Steel



133291 Drive

Replacing: 0-23500-0420; -1; -2

Servicing: 0-23000-0091; -172; -173; -260; -262

O.D. 32.00, **I.D.** 13.20, **L.** 70.85,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



133393 Drive

Replacing: 0-23500-0250; -1; 1-23500-0250

Servicing: 0-23000-1160; -231; -270; -601; -660

O.D. 46.20, **I.D.** 14.50, **L.** 90.55,
No. of teeth 13, **Splines** 12, **Rotation** CR,
Drive type Steel



133854 Drive

Replacing: 10456455; 10457056; -167; d2053; 1.01.0629.0; c8js11350a; SD303; 0-23500-0551

Servicing: 28MT. 10479604; -14; -15; -17; -18; -28; -34; 1113269; -70; -71; -76; -95; -96

O.D. 31.80, **I.D.** 14.00, **L.** 85.00,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel
W/ rubber seal.



135542 Drive

Replacing: 1-23500-0010; 1.01.0894.0

Servicing: 0-23000-1030; -1; -2; -50; -60; -70; -71; -73; -80; -100; -120; -280; -360; -370; -390; -391; -450;

O.D. 40.00, **I.D.** 14.70, **L.** 84.00,
No. of teeth 11, **Splines** 12, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



135671 Drive

Replacing: 0-23500-0450

Servicing: 0-23000-1420; -520; 0-25000-1520

O.D. 40.35, **I.D.** 15.00, **L.** 71.00,
No. of teeth 11, **Splines** 12, **Rotation** CR,
Drive type Steel



135693 Drive

Replacing: 1-23500-0190

Servicing: 0-23000-3160; -70; -200; -6341; -6343; -6510; -6511; -6512; -6590; -6591; -6621; -6622; -6690; -669

O.D. 46.25, **I.D.** 19.00, **L.** 97.55,
No. of teeth 13, **Splines** 16, **Rotation** CR,
Drive type Steel



135706 Drive

Replacing: 1-21500-1580

Servicing: 0-21000-3411; -800; -4110; -4141; -4790; -4880; -4950; -5100; -5220

O.D. 46.30, **I.D.** 18.75, **L.** 114.20,
No. of teeth 13, **Splines** 15, **Drive type** Steel



136139 Drive

Replacing: 0-23500-0320; -3

Servicing: 0-23000-1260; -310; -680; -700; -720; -2100; -2200; -2201; -2541

O.D. 34.75, **I.D.** 14.00, **L.** 82.55,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



137071 Drive

Replacing: 0-21500-2001; 1.01.0850.0; 1-21500-2060

Servicing: 0-21000-4720; -1; -931; -932; -933; -934; -5020; -5021; -5110; -5200; -5350; -5360; 0-23000-2590

O.D. 35.50, **I.D.** 13.90, **L.** 80.00,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



235679 Pinion

Replacing: 0-0055-04102; 10511918

Servicing: 0-33000-1140; 10461773; 19011514; 8200082; -4; 8300008; -13

O.D. 43.62, **I.D.** 16.65, **H.** 26.00,
No. of teeth 12, **Splines** 23

Planet Gears

Gear Parts

Pkg 10



233693 Washer

Servicing: 28MT.

O.D. 23.60, **I.D.** 10.60, **Th.** 0.85, **Material** Steel

Pkg 10



233694 Washer

Servicing: 28MT.

O.D. 23.60, **I.D.** 10.45, **Th.** 0.20, **Material** Steel

Pkg 10



233695 Washer

Servicing: 28MT.

O.D. 23.15, **I.D.** 10.30, **Th.** 0.80

Levers



132524 Lever

Replacing: 1-23320-0180; 7-23320-0030; -180

Servicing: 0-23000-0060; -81; -91; -100; -120; -150; -172; -173; -180; -200; -210; -250; -283; -330; -370; -45

L. 81.80, **Lever** 1



135670 Shift Lever

Replacing: 1-23320-0130; 7-23320-0010

Servicing: 0-23000-1030; -1; -2; -3; -50; -60; -70; -71; -73; -110; -111; -180; -250; -260; -280; -300; -310;

L. 111.50



135705 Shift Lever

Replacing: 7-21320-0780

Servicing: 0-21000-3271; -480; -491; -520; -650; -651; -661; -690; -711; -783; -784; -931; -4132; -4192; -4193

L. 120.35



137072 Lever

Replacing: 1-21320-0870

Servicing: 0-21000-4720; -1; -930; -931; -932; -933; -934; -5020; -5021; -5350; -5360; 0-23000-1020; -40; -90;

L. 96.50, **Lever** 1

Lever Parts

Pkg 10



233692 Screw

Servicing: 28MT.

Thread L. 15.00, **L.** 55.80, **Thread** M6

Brush Gears



132502 Brush Gear

Replacing: 0-21750-1440

Servicing: 0-21000-3333; -90; -91; -411; -625; -800; -4210; -4452; -4740; -4860; -4880; -5080

Brush w/o, **Brush gear** 1, **Spring terminal** w/o

Brush set: Cargo 140488 (x2). Brush spring: Cargo 135707.



132503 Brush Gear

Replacing: 0-23750-0050; -1

Servicing: 0-23000-6071; -2; -91; -103; -140; -160; -170; -181; -211; -232; -250; -251; -310; -341; -470; -510

Brush w/o, **Brush gear** 1, **Spring terminal** With

Brush set: Cargo 140551.



132913 Brush Gear

Replacing: 0-21750-1432

Servicing: 0-21000-3271; -480; -491; -520; -650; -651; -661; -783; -4192; -4193; -4471; -4690; -4850; -4870; -

Brush w/o, **Brush gear** 1, **Spring terminal** w/o

Brush set: Cargo 140448. Brush spring: Cargo 135708.



133863 Brush Gear

Replacing: 0-23750-0120

Servicing: 0-23000-1030; -1; -3; -50; -60; -70; -71; -80; -100; -160; -170; -231; -240; -270; -290; -310; -320

Brush w/o, **Brush gear** 1, **Spring terminal** With

Brush set: Cargo 140549.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



134973 Brush Gear

Replacing: 0-23750-0220

Servicing: 0-23000-0081; -91; -120; -172; -173; -210; -260; -262; -3250

Brush With, **Brush gear** 1,
Spring terminal w/o

Brush set: Cargo 140770. Brush spring: Cargo 135694. Neg. brushes.



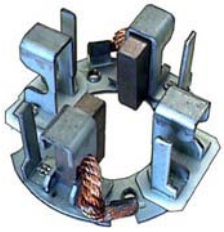
135679 Brush Gear

Replacing: 0-23750-0250

Servicing: 0-23000-3150; -60; -70; -80; -200; -230; -240; -270; -280

Brush w/o, **Brush gear** 1, **Spring terminal** w/o

Brush set: Cargo 140769. Brush spring: Cargo 135673.



135704 Brush Gear

Replacing: 0-23750-0150; -60

Servicing: 0-23000-0030; -1; -2; -40; -50; -51; -52; -60; -70; -80; -100; -150; -180; -240; -250; -272; -283;

Brush With, **Brush gear** 1,
Spring terminal w/o

Brush set: Cargo 140507. Brush spring: Cargo 135694. Neg. brushes.

Brush gears parts

Brush Springs

Pkg 10



135672 Brush Spring

Replacing: 1-23913-0010

Servicing: 0-21000-4720; -930; -931; -932; -933; -934; -5200; -5350; -5360; 0-23000-1010; -20; -30; -31; -32;

O.D. 14.40, **L.** 24.60

Pkg 10



135673 Brush Spring

Replacing: 1-23913-0040

Servicing: 0-23000-3150; -2; -60; -70; -80; -200; -230; -240; -241; -250; -270; -280; -285; -291; -301; -321;

O.D. 14.75, **L.** 28.50

Pkg 10



135694 Brush Spring

Replacing: 0-23913-0080

Servicing: 0-23000-0030; -1; -2; -40; -50; -51; -52; -60; -70; -80; -81; -91; -100; -104; -120; -140; -150; -1

O.D. 13.00, **L.** 22.25

Pkg 10



135707 Brush Spring

Replacing: 1-21913-0360; 594542

Servicing: 0-21000-3310; -33; -34; -42; -62; -90; -91; -411; -625; -626; -701; -4110; -4111; -4141; -4222; -44

L. 29.00

Pkg 10



135708 Brush Spring

Replacing: 1-21913-0370

Servicing: 0-21000-3271; -480; -490; -491; -641; -650; -651; -661; -691; -783; -784; -831; -4001; -4132; -4192

O.D. 15.10, **L.** 29.55

Brush Sets

Pkg 5



140448 Brush Set

Replacing: 1-81116006-0; jnksx-14; 1-21740-0440

Servicing: 0-21000-3271; -480; -491; -520; -650; -651; -661; -690; -711; -783; -931; -4192; -4193; -4471; -485

V. 24, **L.** 22.82, **Th.** 8.69, **H.** 19.70, **No. of brushes** 4



140488 Brush Set

Replacing: jnksx-15; 1-21740-0680; -90
Servicing: 0-21000-3333; -90; -91; -411; -625; -800; -4452; -4740; -4790; -4860; -4880; -5080; -5100; 0-51000-
V. 24, **L.** 23.10, **Th.** 9.90, **H.** 19.75,
No. of brushes 8

Pkg 5



140507 Brush Set

Replacing: 1-23740-0140; -50; 140508
Servicing: 0-23000-0031; -2; -40; -60; -100; -150; -180; -200; -240; -250; -272; -283; -330; -370; -450
V. 24, **L.** 14.27, **Th.** 6.80, **H.** 24.75,
No. of brushes 4

Pkg 5



140518 Brush Set

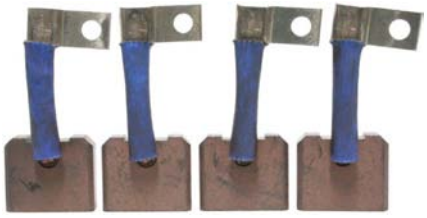
Replacing: 9-92116133-0; jnksx-5; 1-21740-0170
V. 24, **L.** 19.95, **Th.** 6.90, **H.** 18.45,
No. of brushes 4

Pkg 5



140549 Brush Set

Replacing: 856412; -6; 1-81116041-0; -2-0; -3-0; jnksx-20; 0-23740-0110; -80; 1-23740-0120; -70
Servicing: 0-23000-1030; -1; -3; -50; -60; -70; -71; -80; -100; -160; -170; -231; -240; -270; -290; -310; -320
V. 24, **L.** 20.90, **Th.** 7.75, **H.** 24.75,
No. of brushes 4



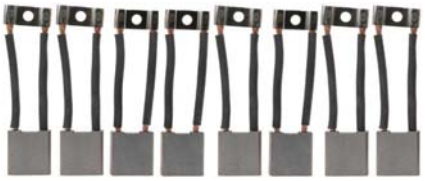
140550 Brush Set

Replacing: 5-81116029-0; 5-81116030-0; jnksx-21; 1-23740-0010; -30
Servicing: 0-23000-3130; -40
V. 24, **L.** 21.08, **Th.** 7.93, **H.** 24.85,
No. of brushes 4



140551 Brush Set

Replacing: 1-81116035-0; jnksx-22; 0-23740-0250; 1-23740-0050
Servicing: 0-23000-3150; -2; -60; -70; -80; -240; -241; -260; -270; -280; -285; -291; -301; -321; -332; -6071;
V. 24, **L.** 22.66, **Th.** 8.87, **H.** 29.81,
No. of brushes 4



140604 Brush Set

Replacing: 1-21740-0370
Servicing: 0-21000-3790; -4250; -4420; -5070
V. 24, **L.** 25.30, **Th.** 6.85, **H.** 23.82,
No. of brushes 8



140732 Brush Set

Replacing: 10457119; -20; 0-23740-0360
Servicing: 28MT. 10479600; -5; -8; -11; -12; -16; 1113271; -2; -7; -91
V. 24, **L.** 20.10, **Th.** 7.93, **H.** 24.90,
No. of brushes 4

Pkg 5



140770 Brush Set

Replacing: 0-23740-0200; -10
Servicing: 0-23000-0081; -91; -120; -172; -173; -210; -260; -262
V. 12, **L.** 15.10, **Th.** 6.60/6.75, **H.** 24.80,
No. of brushes 4

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



140875 Brush Set

Replacing: 1-21740-0710; -20
Servicing: 0-21000-4720; -1; -931; -932; -933; -934; -5021; -5350; -5360
V. 24, **L.** 19.70/20.10, **Th.** 8.85, **H.** 18.90, **No. of brushes** 4

Pkg 5



141106 Brush Set

Replacing: 1-21470-0211
Servicing: 0-21000-2484
V. 12, **L.** 18.10, **Th.** 6.90, **H.** 18.20, **No. of brushes** 4

Bushings

Pkg 5



140449 Bearing Bushinging

Replacing: 1-81129041-0; fbnk-16; 7-21351-0950
Servicing: 0-21000-3271; -333; -390; -391; -411; -480; -491; -520; -625; -650; -651; -661; -690; -711; -783; -
O.D. 23.00, **I.D.** 19.00, **L.** 20.00, **Material** Steel

Pkg 5



140450 Bearing Bushinging

Replacing: 1-81129030-0; fbnk-17; 7-21351-0960
Servicing: 0-21000-3271; -480; -491; -520; -650; -651; -661; -690; -711; -783; -931; -4192; -4193; -4471; -469
O.D. 32.00, **I.D.** 27.78, **L.** 28.00, **Material** Steel

Pkg 5



140451 Bearing Bushinging

Replacing: 1-81129149-0; fbnk-19; 7-21351-0250
Servicing: 0-21000-3690; -4690
O.D. 20.00, **I.D.** 15.45, **L.** 15.00, **Material** Steel

Pkg 10



140485 Bearing Bushinging

Replacing: 5-81129009-0; fbnk-1; 7-21351-0610; -20; -21
Servicing: 0-21000-2480; -4; -810; -3462; -3600; -4040; -4700; -4720; -4721; -4830; -4900; -4931; -4932; -4933
O.D. 17.00, **I.D.** 14.00, **L.** 15.00, **Type** Standard, **Material** Copper

Pkg 10



140486 Bearing Bushinging

Replacing: 1-81129042-0; fbnk-18; 7-21351-0970
Servicing: 0-21000-3333; -90; -91; -411; -625; -800; -4210; -4452; -4740; -4790; -4860; -4880; -5080; -5100
O.D. 32.10, **I.D.** 28.00, **L.** 28.00, **Material** Steel

Pkg 10



140487 Bearing Bushinging

Replacing: 5-81129008-0; fbnk-20; 7-21351-1010; -1
Servicing: 0-21000-3462; -600; -4040; -4720; -4721; -4830; -4900; -4931; -4932; -4933; -4934; -5021; -5231; -5
O.D. 17.48, **I.D.** 14.05, **L.** 19.00, **Material** Steel

Pkg 5



140517 Bearing Bushinging

Replacing: 1-81129397-0; 5-81129143-0; fbnk-25; -32; 1-23351-0140; 7-23351-0040; -100; -140; 140522
Servicing: 0-23000-1020; -31; -33; -40; -50; -60; -70; -71; -80; -90; -100; -160; -170; -231; -240; -270; -290
O.D. 19.02, **I.D.** 15.03, **L.** 19.90, **Material** Steel

Pkg 5



140519 Bearing Bushinging

Replacing: 8-94178037-0; fbnk-29; 7-23351-0160

Servicing: 0-23000-0031; -2; -40; -60; -81; -91; -100; -120; -150; -172; -173; -180; -200; -210; -240; -250; -

O.D. 16.00, **I.D.** 13.03, **L.** 16.00, **Material** Copper

---

Pkg 5



140520 Bearing Bushinging

Replacing: 28111-1180; 1-81129286-0; fbnk-30; 1-23351-0080; 7-23351-0080; 2602-000-00x0; 2620-011-00x0

Servicing: 0-23000-3150; -2; -60; -70; -80; -240; -241; -260; -270; -280; -285; -291; -301; -321; -332; -6071;

O.D. 23.00, **I.D.** 19.00, **L.** 19.00, **Material** Copper

---

Pkg 5



140521 Bearing Bushinging

Replacing: 1-81129291-0; fbnk-31; 1-23351-0060; 7-23351-0060; 856476

Servicing: 0-23000-6071; -2; -91; -103; -140; -150; -160; -170; -181; -211; -222; -225; -250; -300; -310; -470

O.D. 17.50, **I.D.** 14.03, **L.** 19.00, **Material** Copper

---

Pkg 10



140601 Bearing Bushinging

Replacing: 10456459; 0-23351-0220

Servicing: 28MT. 10479600; -4; -5; -6; -7; -8; -11; -12; -13; -14; -15; -16; -17; -18; -20; -28; -34; 1113269;

O.D. 17.00, **I.D.** 14.03, **L.** 16.20, **Material** Copper

Assort. 803014

Pkg 10



140906 Bearing Bushinging

Replacing: 7-23351-0220

Servicing: 0-23000-1570; -80; -980; -2100; -2101; -2200; -2201; -2541

O.D. 17.00, **I.D.** 14.00, **L.** 16.00, **Material** Steel



140949 Bearing Bushinging

Replacing: 8-94178042-0; 7-23351-0150

Servicing: 0-23000-0031; -2; -40; -60; -81; -91; -100; -120; -150; -172; -173; -180; -200; -210; -240; -250; -

O.D. 26.00, **I.D.** 22.00, **L.** 11.95, **Material** Copper

---

Bearings

Pkg 10



140223 Bearing 6004/2rs

Replacing: 60042rsrc3; 2114-45502; 2114-55502; -11; 2240-2101; 949100-1650; -760; 949100-2590; 949100-4110; -23

Servicing: 0-33000-3941; -50; -4150; -4331; 028000-3641; -2; -4323; -4343; -4450; -4540; -4940; -5060; -5190;

O.D. 42.00, **I.D.** 20.00, **H.** 12.00

Assort. 802026; 803013; 803022; 803042

Sundry Parts



132525 Sealing Kit

Replacing: 7-09210-0850; -1

Servicing: 0-23000-1031; -3; -50; -70; -71; -370; -390; -670; -2341

24V. 4.5kW.



132526 Sealing Kit

Replacing: 7-09210-1000

Servicing: 0-21000-3391; 0-23000-6250; -1; -3; -310; -341; -343; -510; -520; -523; -531; -533; -563; -590; -60

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



132527 Sealing Kit

Replacing: 7-09210-1090

Servicing: 24V. 4.5kW. 0-23000-0060; -330



132528 Sealing Kit

Replacing: 7-09210-1350

Servicing: 0-23000-0260; -2; -72

Pkg 5



135695 Pinion Stopper

Replacing: 1-23181-0020

Servicing: 0-23000-3150; -2; -60; -70; -80; -240; -241; -260; -270; -280; -285; -291; -301; -321; -332; -6071;

O.D. 26.95, **I.D.** 19.00, **Th.** 8.00, **Material** Steel

Used w/ retaining ring: Cargo 135698.

Pkg 5



135696 Pinion Stopper

Replacing: 1-23181-0030

Servicing: 0-23000-1030; -1; -3; -50; -60; -70; -71; -80; -100; -160; -170; -231; -240; -270; -290; -330; -360

O.D. 25.00, **I.D.** 15.00, **Th.** 7.55, **Material** Steel

Used w/ retaining ring: Cargo 135699 (x2).

Pkg 5



135697 Stop Collar

Replacing: 1-23181-0050

Servicing: 0-23000-0031; -2; -40; -60; -81; -91; -100; -120; -150; -173; -180; -200; -210; -240; -260; -262; -

O.D. 20.00, **I.D.** 12.90, **Th.** 6.50, **Material** Steel

Used w/ retaining ring: Cargo 135700.

Pkg 5



135698 Clip Ring

Replacing: 1-23914-0020

Servicing: Used w/ stop collar: Cargo 135695. 0-23000-3150; -2; -60; -70; -80; -240; -241; -260; -270; -280; -2

Th. 2.00

Pkg 5



135699 Clip Ring

Replacing: 1-23914-0030

Servicing: Used w/ stop collar: Cargo 135696. 0-23000-1030; -1; -3; -50; -60; -70; -71; -80; -100; -160; -170;

Th. 2.00

Pkg 5



135700 Circlip

Replacing: 1-09066-0050

Servicing: Used w/ stop collar: Cargo 135697. 0-23000-0031; -2; -40; -60; -81; -91; -100; -120; -172; -173; -18

Th. 1.80

Pkg 10



233002 Insulator

Servicing: 28MT.

Insulator 10

W. 34.00. L. 262.00.

Thru Bolts

Pkg 10



233691 Thru Bolt

Servicing: 28MT.

Collar L. 180.00, **L.** 185.40, **Thread** M6

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

D.E. Brackets

235763 D.E. Bracket
Servicing: 03111-4140

Solenoids



235473 Solenoid
Servicing: 03111-4140
V. 12



236596 Solenoid
Servicing: 03101-3170
V. 12

Drives



235095 Drive
Servicing: 03111-4140; OK55218400A
O.D. 32.00, **L.** 104.00, **No. of teeth** 10, **Splines** 10, **Drive type** Steel



236607 Drive
Servicing: 03101-3170; -90
O.D. 29.00, **L.** 94.00, **No. of teeth** 9, **Splines** 10



238986 Drive
Servicing: 03101-3050
O.D. 29.20, **L.** 104.00, **No. of teeth** 9, **Splines** 10

Sundry Parts



234349 Stop Collar Kit
O.D. 19.40, **I.D.** 13.00, **Th.** 5.40

Pkg 10



235284 Tolerance Ring
Servicing: 03101-3170
O.D. 32.00, **I.D.** 30.00, **H.** 8.00

Field Coils



232900 Field Coil

Replacing: 59-207; C0DF11082A; C6VY11082B; c0df-11082-a
Servicing: c20z11002a; -B; c5tf11001a; C5TZ11002D; d40z11002a; d60z11002a; d6tf11001da; MDO4108; mgl4008
V. 12, **H.** 108.90, **Brush gear** w/o



232901 Field Coil

Replacing: 20-55; 44-3437; MDY-1005AS
Servicing: MDY-7029; -39; MDY-7039S; MDY-7045; MDY-7045A; MDY-7048; -51; -54; mdy7054; MEO-7055
V. 12, **H.** 99.35, **Brush gear** w/o



232902 Field Coil

Replacing: 20-54; MDU-1005AS
Servicing: MDU-7001; -2; -3; MDU-7003A; MDU-7004; -5; -13; -15; -17; -23; -24; -25; -26; -28; -31; -32; -34; -
V. 12, **H.** 105.15, **Brush gear** w/o



232903 Field Coil

Replacing: 20-585; MBG-3005S; MBG-3005AS; -BS
Servicing: MBG-4003; MBG-4003A; MBG-4004; -6; -7; -14; -15; -25; -104; MBG-4104A; MBG-4106; -9; -18; -24; -25;
V. 12, **H.** 86.00, **Brush gear** w/o



232904 Field Coil

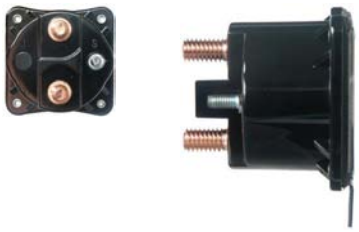
Replacing: 2240260; 20-65; -6; MDT-2005AS; MDY-2005AS
Servicing: MDT-7019; -22; MDY-7006; -49
V. 12, **H.** 102.40, **Brush gear** w/o
4 terminals.

Solenoids



130493 Solenoid

Replacing: 2098360; 3225629; f903; B6AZ-11-450A; 15-407; zm-401; SAS-4211Y
V. 12, **B+** M8, **Intermittent load** 150amp., **Coil bolt** M8
Grounded base. Flat bracket.



133855 Solenoid

Replacing: am30182; 89-76545; 172869; 15-283; -98; -335; -365; -393; -471; -472; SAZ-4201ANY; SAZ-4201E; SAZ-42
V. 12, **Amp.** 100, **B+** M8, **Intermittent load** 800amp, **Coil bolt** M8
3.95-4.15 coil resistance.



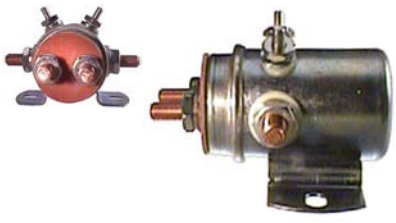
133856 Solenoid

Replacing: 813839; 981419; 982187; -9; 985063; -4; 15-394; 15-3f; 15-411; -20; -44; -86; SAZ-4201BBY; SAZ-4201B
V. 12, **Amp.** 100, **B+** M8, **Intermittent load** 800amp, **Coil bolt** M8
3.95-4.15 coil resistance.



133857 Solenoid

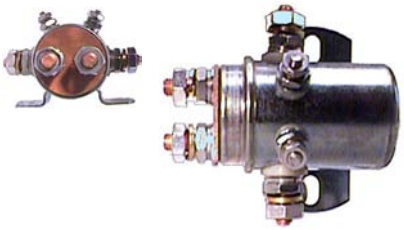
Replacing: 87-61053; 89-15857; 89-638258; 89-68258; 89-76454; 182869; 15-275; -351; -368; -400; -487; SAZ-4201A
V. 12, **Amp.** 100, **B+** M8, **Intermittent load** 800, **Seconds** Kortvarig, **Coil bolt** M8
3,95-4,15 Coil resistance



137766 Solenoid

Replacing: 15-326; SBD-4401; 860867
V. 24, **Amp.** 100, **B+** M8, **Intermittent load** 600, **Seconds** 5, **Coil bolt** M8

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



138068 Solenoid

Replacing: 1114223; -534; 15-323; -86; so51189; SBD-4201A; -G

V. 12, **Amp.** 200, **B+** M8, **Intermittent load** 900, **Seconds** 5, **Coil bolt** M8

Silver contact.



231811 Solenoid

Replacing: 71469-65a; -b; -77a; -77b; 15-452; -3; zm-5501; saj4003a; -b

V. 12, **B+** M10, **Coil bolt** M10



232905 Solenoid

Replacing: 1692659; 1889799; 15-1; -2; 15-325; 15-4; -5; 15-57; -61; -62; -63; -64; SAD-4001; -101; -201; -301;

Servicing: 114-65; 8AL2002; 8EK2001FA; 8EL2001KA; -2NA; -3FA; 8EM2002FA; -4KB; -5KA; -5KB; -6KA; -7KA; -8NA; -

V. 12, **B+** M8, **Coil bolt** M8

Drives



131766 Drive

Replacing: 850363; -758; 852758; -957; 4n4517; 1914341; 1921998; 1928998; 1932526; -45; -605; 10648; e480410; 5

Servicing: 40MT. 1108987; -9158; -9169; -9170; -9172; -9178; -9184; -9229; -9230; -9233; -9235; -9236; -9249; -

O.D. 46.30, **I.D.** 19.00/3/4", **L.** 120.40/4.740", **Shaft L.** 19.00/0.748", **No. of teeth** 12, **Splines** 19, **Rotation** CR, **Drive type** Bronze



131768 Drive

Replacing: 2006202001; -3; 850629; -760; 852760; -959; 1918079; 1932031; 1985129; d2021; 10647; 480320; e480320

Servicing: 40MT. 0001370002; 0001420002; -6; -7; -8; -10; -11; -26; -27; -1007; -1009; -1010; 1108894; -5; -923

O.D. 56.50, **I.D.** 19.00/3/4", **L.** 120.40/4.740", **Shaft L.** 19.00/0.748", **No. of teeth** 11, **Splines** 19, **Rotation** CR, **Drive type** Steel



135405 Drive

Replacing: 1090840dv30sm; dv10908; MGD-1461B

Servicing: 1077740dv30sm; 1122840m030sm; 1149540MO30SM; 1692340m030sm; 1710940mo30sm; 4367040mo30sm; 4367140mo

O.D. 39.80, **I.D.** 12.75, **L.** 36.45, **No. of teeth** 10, **Rotation** ACR, **Drive type** Bronze



230986 Drive

Replacing: 10575; 480385; 59-255; EBB-141A

Servicing: mdy7054

O.D. 25.80, **I.D.** 12.25, **L.** 99.30, **No. of teeth** 9, **Drive type** Steel



231455 Drive

Replacing: 1932603; 1985131; 480170; -210; -415; e480415; 13539; m029013539; 59-225; pd-13a; 1.01.0879.0; 13610

Servicing: 40MT. 1113350; -69; -74; -801; -804; -811; -817

O.D. 49.20, **I.D.** 18.85, **L.** 118.00/4.646", **No. of teeth** 13, **Splines** 19, **Rotation** CR, **Drive type** Bronze



233175 Drive

Replacing: 18-56

Servicing: 4502ME; -3me; m0014502me; -3ME

O.D. 32.10, **I.D.** 14.40, **L.** 105.65, **No. of teeth** 10, **Splines** 6, **Rotation** CR, **Drive type** Bronze

235620 Drive

Replacing: 1107169; -74; 1108637; -45; -977; 1109618; -76; 1113027; 1107878; 1108099; -3; -6; 1107006; -30; -35

Servicing: 1107169; -74; -8096; -9618

I.D. 15.90, **L.** 133.00, **No. of teeth** 10, **Rotation** ACR

235624 Drive

Replacing: C1AZ11350A; 59-146; -95; -248; 1.01.0032.0; 19-195; ebb-132; -74; eb-95

Servicing: 460227; mdu7028; mdu7028s; mdu7029; meo4001; -2; mmg4002

I.D. 15.90, **L.** 140.00, **No. of teeth** 9, **Splines** 29, **Rotation** ACR

235625 Drive

Replacing: 1878079; 1887463; 1913587; -9; 1918219; 1971147; d2010; 63-5; -8; 63-96

Servicing: 1107037; -56; -74; -84; -87; -88; -89; -134; -149; -830; -927; -943; -8021; -8112; -8126; -8131; -8

I.D. 15.90, **L.** 135.00, **No. of teeth** 9

235626 Drive

Replacing: 1850844; 59-11

Servicing: 1007010044; 1107012; -4; -6; -25; -28; -40; -42; -52; -58; -65; -73; -77; -86; -90; -91; -133; -147

I.D. 15.90, **L.** 133.00, **No. of teeth** 10

Pkg 0

235630 Drive

Replacing: 1835965; 1841148; 1861363; 1862002; 1881148; 1915133; -53; 1920919; 807358; 811194; 59-16; 63-45; eb

Servicing: 1107162; -402; -406; -430; -434; -450; -452; -454; -458; -470; -486; -487; -490; -738; -740; -806;

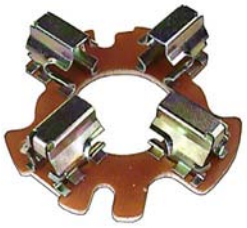
O.D. 46.00, **L.** 133.00, **No. of teeth** 12

235631 Drive

Replacing: 18-18; -58; brc-3103; P1-858; mhj7103

O.D. 39.40, **L.** 110.00, **No. of teeth** 10, **Splines** 3, **Rotation** ACR

Brush Gears



136930 Brush Gear

Replacing: 15-057; 15-0573; 36-863; MGL-1033B

Brush w/o, **Brush gear** 1, **Spring terminal** w/o

Brush set Cargo: 140713. Brush spring set Cargo: 136931.



230987 Brush Gear

Replacing: 36-67; MDL-1064

V. 12, **Brush** w/o, **Brush gear** 1, **Spring terminal** With

Brush set Cargo: EX85-86 2/1.

Brush gears parts

Brush Springs

Pkg 10



132741 Brush Spring

Replacing: 2084666; d1az11059a; 50-263; MZ-19S

O.D. 15.65, **L.** 30.80

Serv. 4½" DD

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Brush Sets



140712 Brush Set

Replacing: 15-042; 17-103; MGD-2032S
V. 12, **L.** 14.50, **Th.** 6.33, **H.** 15.92,
No. of brushes 2



140713 Brush Set

Replacing: 15-054; 17-171; MGL-2032S
V. 12, **L.** 12.50, **Th.** 6.40, **H.** 15.90,
No. of brushes 4



141213 Brush Set

Replacing: 42-32; -50
V. 12, **L.** 12.75, **Th.** 6.24, **H.** 6.36,
No. of brushes 2

ex85-862/1 Brush Set

Replacing: 17-39; MDL-2012CS
V. 12, **L.** 12.80, **Th.** 8.75, **H.** 17.55,
No. of brushes 4

Bushings

Pkg 10



140053 Bearing Bushinging

Replacing: 10472567; 255491; tcb123; 24-23; mg-77a
Servicing: 37MT. 10478812; -5; -7; -8; -97; -98; -925; -926; -961; -999; -9013; -9014; -9015; -9016; -9020; -90
O.D. 19.10, **I.D.** 15.90, **L.** 18.80, **Type** Standard, **Material** Copper
Assort. 803025

Pkg 10



140264 Bearing Bushinging

Replacing: 28936; 24-29; MZ-40AS; B11052
O.D. 19.15, **I.D.** 16.29, **L.** 15.00, **Material** Copper
Assort. 803019

Pkg 5



140553 Bearing Bushinging

O.D. 19.10, **I.D.** 15.90, **L.** 15.20, **Type** Standard, **Material** Copper

Pkg 5



141069 Bushinging

Replacing: mch-53
O.D. 19.10, **I.D.** 15.93, **L.** 11.91, **Material** Copper

Pkg 10



141156 Bushinging

Replacing: 24-45
O.D. 12.75, **I.D.** 9.60, **L.** 12.65, **Material** Copper

Pkg 10



141157 Bushinging

Replacing: 24-28
O.D. 15.95, **I.D.** 12.85, **L.** 19.00, **Material** Copper

Pkg 10



141158 Bushinging

O.D. 19.10, **I.D.** 15.90, **L.** 24.40, **Material** Copper

Pkg 10



141159 Bushinging

Replacing: 24-73

O.D. 20.70, **I.D.** 17.40, **L.** 16.60, **Material** Copper

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Solenoids

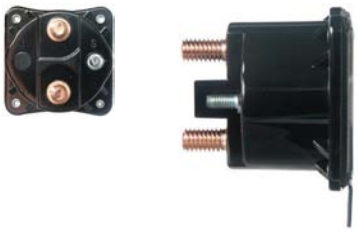


130493 Solenoid

Replacing: 2098360; 3225629; f903; B6AZ-11-450A; 15-407; zm-401; SAS-4211Y

V. 12, **B+** M8, **Intermittent load** 150amp., **Coil bolt** M8

Grounded base. Flat bracket.



133855 Solenoid

Replacing: am30182; 89-76545; 172869; 15-283; -98; -335; -365; -393; -471; -472; SAZ-4201ANY; SAZ-4201E; SAZ-42

V. 12, **Amp.** 100, **B+** M8, **Intermittent load** 800amp, **Coil bolt** M8

3.95-4.15 coil resistance.



133856 Solenoid

Replacing: 813839; 981419; 982187; -9; 985063; -4; 15-394; 15-3f; 15-411; -20; -44; -86; SAZ-4201BBY; SAZ-4201B

V. 12, **Amp.** 100, **B+** M8, **Intermittent load** 800amp, **Coil bolt** M8

3.95-4.15 coil resistance.



133857 Solenoid

Replacing: 87-61053; 89-15857; 89-638258; 89-68258; 89-76454; 182869; 15-275; -351; -368; -400; -487; SAZ-4201A

V. 12, **Amp.** 100, **B+** M8, **Intermittent load** 800, **Seconds** Kortvarig, **Coil bolt** M8

3,95-4,15 Coil resistance



139858 Solenoid

Replacing: 25-661; 54-981; 65-057a1; 508905; 25661; 65057a1; 1658883; 2095606; 1114206; -537; 8915857; 8976545;

V. 12, **B+** M8, **Coil bolt** M8

Armatures



130270 Armature

Replacing: 3471131; -796; dr4102
Servicing: 3471143; -52; -68; -71; -72
V. 12, **kW.** 0.65, **Core OD** 58.00, **Shaft L.** 239.00, **Rotation** CR
Commutator: Cargo b134582. Spacer: Cargo 136845.



130551 Armature

Replacing: 5l8733; 7l6587; 1945906; 1952530; 1961320; 1852530
Servicing: 40MT. 10461041; -5; -6; -8; -59; -60; -61; 1114047; -51; -52; -54; -55; -56; -57; -58; -59; -61; -62
V. 12, **Core OD** 85.00, **Shaft L.** 467.00, **Splines** 19



130552 Armature

Replacing: 2525283; 1946391; 1948999; 1967045; 665389
Servicing: 35MT. 1113389; -92; -402; -411; -412; -548; -626; -633; -634; -635; -636; -637; -639; -640; -641; -6
V. 12, **Core OD** 85.00, **Shaft L.** 394.00, **Splines** 3, **Rotation** CR
Short shaft.



130553 Armature

Replacing: 1951254
Servicing: 50MT. 10478846; -53; -62; 1109294; -9; -494; -497; -632; -633; -635; -641; -644; -757; -779; -792; -
V. 24, **Core OD** 97.00, **Shaft L.** 532.00, **Splines** 19
Long shaft.



130554 Armature

Replacing: 1945840; 1953233; 7M8651; AR89421; SM451
Servicing: 50MT. 10478800; -43; -44; -45; -48; -49; -50; -51; -52; -54; -55; -56; -59; -60; -61; -63; -64; -65;
V. 24, **Core OD** 96.00, **Shaft L.** 482.60, **Splines** 19, **Rotation** CR
Short shaft.



130923 Armature

Replacing: 1945500; 1948506; -8
Servicing: 40MT. 10461047; 1113818; -24; -25; -27; -30; -31; -32; -40; -42; -45; -46; -49; -50; -51; -52; -53;
V. 24, **Core OD** 85.00, **Shaft L.** 460.00, **Splines** 19



131122 Armature

Replacing: 3471555
Servicing: 3471150; -9; -63
V. 12, **kW.** 0.7, **Core OD** 58.00, **Shaft L.** 223.50, **Splines** 12
Commutator: Cargo b134582. Spacer: Cargo 136846.



131137 Armature

Replacing: 1932872; 1935259; 1942244; 1948691; 1967042; d4123
Servicing: 30MT. 1113002; -3; -4; -5; -41; -59; -89; -100; -101; -111; -113; -114; -115; -119; -121; -124; -126
V. 12/24, **Core OD** 85.00, **Shaft L.** 355.60, **Splines** 6

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



131168 Armature

Replacing: 1851961; 1876429

Servicing: 35MT. 1113391; -6; -7; -9; -400; -401; -404; -405; -413; -414; -416; -417; -418; -419; -420; -421; -

V. 12, **Core OD** 85.00, **Shaft L.** 402.30, **Splines** 3

Long shaft.



131174 Armature

Replacing: 1938178; 1954448; 1958949; d4109

Servicing: 10MT. 1107215; -24; -45; -51; -91; -300; -326; -344; -364; -378; -379; -382; -393; -680; -734; -879;

V. 12, **Core OD** 69.00, **Shaft L.** 299.70, **Splines** 6



131350 Armature

Replacing: 1988435

Servicing: 42MT. 10478820; -36; -39; -92; -93; -937; -938; -939; -940; -941; -942; -943; -944; -946; -947; -948

V. 24, **Core OD** 84.00, **Shaft L.** 451.00, **Splines** 19, **Rotation** CR



131354 Armature

Replacing: 1985249; 1987175

Servicing: 37TM. 10461169; -78805; -78806; -78825; -78890; -78921; -78927; -78928; -78929; -78930; -78949; -789

V. 12, **Core OD** 85.00, **Shaft L.** 392.10, **Splines** 3, **Rotation** CR



131359 Armature

Replacing: 1988322

Servicing: 37TM. 10478811; -4; -9; -26; -960; -976; -9020; 1990330; -1; -2; -499; -3701; -3702; -3707; -3711; -

V. 24, **Core OD** 85.00, **Shaft L.** 392.10, **Splines** 3, **Rotation** CR



131365 Armature

Replacing: 1887989; 1987989

Servicing: 42MT. 10478801; -2; -3; -4; -9; -10; -24; -94; -918; -931; -932; -933; -934; -935; -936; -951; -962;

V. 12, **Core OD** 86.00, **Shaft L.** 451.00, **Splines** 19



131400 Armature

Replacing: 10470773; 10496043; 10498863; 1877361; 1940624; 1965724; 1970538; -48; 1978517; 1979792; d4111; -21;

Servicing: 10MT. 10455300; -1; -5; -6; -8; -9; -10; -11; -12; -15; -35; -43; -44; -45; -46; 1107289; -94; -99;

V. 12, **Core OD** 74.00, **Shaft L.** 281.00, **Splines** 3, **Rotation** CR

High torque.



131401 Armature

Replacing: 10496042; 1954273; -473; 1955937; 1966224; -8; -88; 1971563; -8; 1978449; 1992258; 830540; -842; d41

Servicing: 8MT. 1107233; -7; -42; -47; -48; -59; -60; -66; -74; -93; -98; -301; -302; -306; -307; -315; -316; -

V. 12, **Core OD** 69.00, **Shaft L.** 282.00, **Splines** 3, **Rotation** CR



131402 Armature

Replacing: 1893269; d4126

Servicing: 5MT. 1109521; -3; -4; -6; -8; -30

V. 12, **Core OD** 62.00, **Shaft L.** 281.00, **Splines** 3



131403 Armature

Replacing: 1875835; 1893449; 1974786; d4128

Servicing: 25MT. 1109186; -212; -213; -214; -215; -216; -218; -219; -495; -563; -13589; -13590; 1998354; -401;

V. 12, **Core OD** 74.00, **Shaft L.** 327.00, **Splines** 3, **Rotation** CR



131627 Armature

Replacing: 1846614; 1876366; 1960866

Servicing: 20MT. 1107556; -73; -74; -77; -87; -88; -89; -98; -99; -863; -866; -867; -868; -871; -874; -875; -86

V. 12, **Core OD** 74.00, **Shaft L.** 335.00, **Splines** 6, **Rotation** CR



131658 Armature

Replacing: 1891916; 1930812; 1949190; 1950417; 1956918

Servicing: 20MT, 25MT. 10455500; 1107506; -10; -11; -12; -14; -15; -16; -22; -23; -27; -34; -35; -38; -39; -40;

V. 12/24, **Core OD** 74, **Shaft L.** 335.00, **Splines** 6



131659 Armature

Replacing: 1950307

Servicing: 10MT. 1107203; -4; -5; -34; -49; -68; -90; -92; -95; -308; -332; -335; -343; -350; -356; -359; -377;

V. 12, **Core OD** 69.00, **Shaft L.** 301.00, **Splines** 6



131661 Armature

Replacing: 1948464; -600; 1949112; 1967044; -295

Servicing: 35MT. 1113172; -353; -366; -370; -371; -372; -375; -378; -379; -384; -385; -386; -387; -393; -403; -

V. 24, **Core OD** 85.00, **Shaft L.** 431.3, **Splines** 19



132685 Armature

Replacing: 10456406; 10467708; 10495931; 10497046; 10499097; 1985138; d4135; -6; -40; -48; 10467325

Servicing: 5MT. 10455004; -7; -10; -11; -16; -17; -18; -19; -20; -23; -25; -26; -44; -48; -49; -53; -54; -55; -

V. 12, **Core OD** 62.00, **Shaft L.** 254.00, **Splines** 3, **Rotation** CR



132686 Armature

Replacing: 1947353; 1956422

Servicing: 10MT. 1107228; -9; -75; -341; -386; -390; -744; -782; -8291; -8299; -8321; -8334; -8336; -8343; -834

V. 12, **Core OD** 68.70, **Shaft L.** 300.60, **Splines** 6, **Rotation** ACR



132687 Armature

Servicing: 5MT.

V. 12, **Core OD** 62.20, **Shaft L.** 268.20, **Splines** 3, **Rotation** CR



132688 Armature

Replacing: 1843657; 1978670; d4132

Servicing: 5MT. 1105526; -8; -9; -30; -31; -32; -33; -9105; -9106; -9107; -9108; -9112; -9121; -9122; -9531; -9

V. 12, **Core OD** 62.20, **Shaft L.** 269.00, **Splines** 3, **Rotation** CR



132729 Armature

Replacing: 10456405; 10467582; 10471537; 10495881; 10499230; 1878400

Servicing: 5MT, SD210, SD260. 10455001; -8; -9; -12; -13; -15; -24; -42; -45; -46; -47; -51; -58; -61; -64; -66

V. 12, **Core OD** 62.28, **Shaft L.** 256.58, **Splines** 3, **Rotation** CR

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



133147 Armature

Replacing: 3471634; -767; -797

Servicing: 3471153; -5; -64; -69; -70; -73; -74; -75

V. 12, **kW.** 0.8/0.9/1.0/1.4, **Core OD** 58.00, **Shaft L.** 227.60, **Splines** 12, **Rotation** CR

Commutator: Cargo B134582.



133850 Armature

Replacing: 10456466

Servicing: 28MT. 10479606; -7; -13; -14; -15; -17; -18; -19; -20; -28; -34; 1113269; -70; -71; -73; -74; -75; -

V. 12, **Core OD** 60.10, **Shaft L.** 177.70, **No. of teeth** 8, **Rotation** CR/ACR



135089 Armature

Replacing: 10457117; -622

Servicing: 28MT. 10479600; -4; -5; -8; -11; -12; -16; 1113272; -7; -91

V. 24, **Core OD** 60.10, **Shaft L.** 177.50, **No. of teeth** 8, **Rotation** CR/ACR



135786 Armature

Replacing: 1851550; 1891404; 1929404; 1975073

Servicing: 10MT. 10455316; -7; -8; -21; -22; -24; -25; -26; -27; -28; -29; -30; -31; -32; -33; -34; -37; -40; -

V. 12, **Core OD** 74.30, **Shaft L.** 300.50, **Splines** 6, **Rotation** CR



135939 Armature

Replacing: 801662

Servicing: 10MT. 1108440; -511; -9430; -9595; 1998305; -24

V. 12, **Core OD** 68.50, **Shaft L.** 300.60, **Splines** 6, **Rotation** CR



137484 Armature

Replacing: 1961430

Servicing: 10MT. 1107279; -80; -97; -397; -398; -8424; -8510; -9055; -9085; -9491; 1998261; -320

V. 12, **Core OD** 68.70, **Shaft L.** 279.40, **Splines** 3, **Rotation** CR



137485 Armature

Replacing: 1949243; 7n8764; 230112

Servicing: 10MT. 1107194; -771; -877; -9398; -9422; -9429; -9434; -9498; -9552; -9569; -9570; -9572; 1998207; -

V. 12, **Core OD** 74.40, **Shaft L.** 300.70, **Splines** 6, **Rotation** CR



230112 Armature

Replacing: 1974995

Servicing: 1109568

V. 12, **Core OD** 74.30, **Shaft L.** 300.20, **Splines** 3



230388 Armature

Replacing: 10475990; 10451976; 10487126

Servicing: PG150, PG260F1. 09000794; -801; 9000794

V. 12, **kW.** 1.4, **Core OD** 54.00 (2.126"), **Shaft L.** 128.00 (5.039"), **Splines** 16



230553 Armature

Replacing: 10498530; -86; d4151; -2

Servicing: PG200. 9000719; -35

V. 12, **Core OD** 63.00 (2.480"), **Shaft L.** 140.00 (5.512"), **Splines** 24



230554 Armature

Replacing: 10498616

Servicing: PG200. 9000762; -3; -8; -73; -75; -76; -89; -96; -97

V. 12, **Core OD** 63.00, **Shaft L.** 139.90, **No. of teeth** 31



230603 Armature

Servicing: PG150. 21020545; -957; 9000772; -85; -91

V. 12, **Core OD** 54.00 (2.126"), **Shaft L.** 131.00 (5.157"), **Splines** 16



230604 Armature

Replacing: 10475588

Servicing: PG260M. 9000786; -98; -804; -805; -806; -812; -819; -820; -821; -822; -834

V. 12, **Core OD** 53.00 (2.087"), **Shaft L.** 121.00 (4.764"), **Splines** 12



231471 Armature

Replacing: f4xy11005a; n327-18-x60-a; m106x07271; m106x50571; m106x58171; 23310-60u10; -2; 23310-97e11; 1049243

Servicing: 12560972; 23300-60U11; -2; 24506694; 9000836; -7; -41; -42; -54; -57; -58; M1T74081; m1t74081a; m1t

V. 12, **kW.** 1.7/2.0, **Core OD** 54.00, **Shaft L.** 143.55, **No. of teeth** 11, **Rotation** CR/ACR

Commutator: Cargo B237791.



232890 Armature

Replacing: 10473852

Servicing: 41MT. 10478812; -8; -97; -98; -926; -999; -9023; -9060; -9061; -9071; -9215

V. 12, **Core OD** 82.00 (3.228"), **Shaft L.** 391.00 (15.394"), **Splines** 20



232891 Armature

Replacing: 10472559

Servicing: 41MT. 10478815; -7; -925; -961; -9013; -9024; 1993995

V. 24, **Core OD** 82.00 (3.228"), **Shaft L.** 391.00 (15.394"), **Splines** 19



232967 Armature

Replacing: 1977818

Servicing: 50MT. 10478813; -77; -81; -906; -910; -917; 1109295; -545; -790; 1990261; -77; -98; -3859; -3864; -3

V. 12, **Core OD** 96.00 (3.780"), **Shaft L.** 483.00 (19.016"), **Splines** 19



233960 Armature

Replacing: 028200-8330; 10511758

Servicing: 39MT. 19011506; -8; -10; -12; -13; -14; -15; -16; -17; -18; -19; -21; -25; -26; -29; -30; -31; 42800

V. 12.0, **kW.** 6.2, **Core OD** 68.00 (2.677"), **Shaft L.** 196.00 (7.717"), **No. of teeth** 14, **Splines** 20

Gear reduction.

235636 Armature

Replacing: 1923535

V. 12, **Core OD** 70.50, **Shaft L.** 264.00

30 Amp.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Various

Pkg 5



136845 Spacer

Servicing: 3471131; dr4102

O.D. 21.10, **I.D.** 17.20, **Th.** 20.15, **Material** Steel

---

Pkg 5



136846 Spacer

Servicing: 3471555

O.D. 20.90, **I.D.** 17.20, **Th.** 14.90, **Material** Steel

---

Yokes



232402 Yoke Assy

Replacing: 10456473

Servicing: 28MT. 10479604; -6; -7; -13; -15; -17; -18; -19; -20; -28; 1113269; -70; -71; -73; -74; -75; -76; -7

V. 12, **O.D.** 90.30, **L.** 140.90, **Brush gear** w/o, **Magnets** w/o

Field coil only: cargo 134836.



232403 Yoke Assy

Replacing: 10457118

Servicing: 28MT. 10479600; -5; -8; -11; -12; -16; 1113272; -7; -91

V. 24, **O.D.** 90.60, **L.** 105.35, **Brush gear** w/o, **Magnets** w/o

Field coil only: Cargo 135610.

Yokes w/magnets



231329 Field Case

Servicing: PG260.

L. 50.00 (1.969"), **Magnets** With



232844 Field Case

Replacing: 10476433; 10475996

Servicing: PG260F1. 09000794; -801

V. 12, **O.D.** 73.00, **L.** 97.00 (3.819"), **Brush gear** w/o, **Magnets** With

---



232845 Field Case

Servicing: PG260F2.

V. 12, **O.D.** 74.70, **L.** 86.00 (3.386"), **Brush gear** w/o, **Magnets** With

---



232846 Field Case

Servicing: PG260F1.

O.D. 73.30, **L.** 97.00 (3.819"), **Brush gear** w/o, **Magnets** With

---



235698 Yoke

Servicing: 19011506; -8; -10; -13; -14; -15; -16; -17; -18; -19; -21; -25; -26; -31; 8200037; -8; -40; -58; -8

O.D. 105.50.

237832 Yoke

Servicing: 19011501; -7; -9; -11; -12; -22; -23; -24; -27; 8200009; -22; -39; -86; -11041; M9T80472

V. 24, **kW.** 6.2, **O.D.** 105.50, **L.** 99.10, **Rotation** CR

Field Cases



231328 Field Case

Replacing: 10475597

Servicing: PG260. 9000786; -98; -819; -821; -822; -834; -835; -850; -851; -853; -860; -866; -867

O.D. 73.55, **L.** 50.00 (1.969"), **Brush gear** w/o, **Magnets** With

---

Field Coils



130271 Field Coil

Replacing: 3471126; dr4201
Servicing: 3471143
V. 12, **kW.** 0.65, **H.** 82.80, **Brush gear** w/o



130495 Field Coil

Replacing: 4m1839; 1846926; 1945109; -496; 1971839; 1974778; -929; 1949109
Servicing: 40MT. 10461045; -6; -7; -59; -60; 1109621; -13172; -13386; -13389; -13392; -13396; -13397; -13399; -
V. 12/24, **H.** 139.70, **Brush gear** w/o



130496 Field Coil

Replacing: 7m0324; 1945853
Servicing: 50MT. 10478800; -43; -44; -45; -46; -48; -49; -50; -52; -53; -55; -56; -57; -59; -60; -61; -62; -63;
V. 24, **H.** 174.65, **Brush gear** w/o



130954 Field Coil

Replacing: 1946386; 1948078; -98
Servicing: 35MT. 1113353; -66; -67; -68; -70; -71; -72; -73; -75; -76; -77; -78; -79; -80; -81; -83; -84; -85;
V. 12/24, **H.** 141.85, **Brush gear** w/o



131123 Field Coil

Replacing: 3471565; -879
Servicing: 3471150; -7; -9; -68; -71
V. 12, **kW.** 0.7, **H.** 80.40, **Brush gear** w/o



131351 Field Coil

Replacing: 1988442
Servicing: 42MT. 10478820; -93; -937; -938; -939; -940; -941; -942; -943; -944; -946; -947; -948; -952; -980; -
V. 24, **H.** 144.60, **Brush gear** w/o



131355 Field Coil

Replacing: 1985324
Servicing: 37MT. 1990308; -9; -10; -11; -12; -13; -15; -16; -18; -19; -20; -21; -41; -47; -3705; -3712; -3738;
V. 12, **H.** 128.00, **Brush gear** w/o



131360 Field Coil

Replacing: 1988328
Servicing: 37MT. 10478864; 1990330; -1; -2; -499; -3701; -3702; -3707; -3711; -3723; -3729; -3732; -3741; -3742
V. 24, **H.** 141.50, **Brush gear** w/o



131366 Field Coil

Replacing: 1988111
Servicing: 42MT. 10478801; -2; -3; -4; -9; -10; -24; -94; -918; -931; -932; -933; -934; -935; -936; -951; -977;
V. 12, **Brush gear** w/o



132392 Field Coil

Replacing: 1960853
Servicing: 20MT, 25MT. 1107556; -73; -74; -77; -87; -88; -98; -99; -863; -866; -867; -868; -871; -874; -875; -8
V. 12, **H.** 137.35, **Brush gear** w/o



132689 Field Coil

Replacing: 1968775
Servicing: 10MT. 1107228; -9; -50; -341; -394; -723
V. 12, **H.** 86.30, **Brush gear** w/o



132690 Field Coil

Replacing: 1851420
Servicing: 8MT.
V. 12, **H.** 84.70, **Brush gear** w/o

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



132691 Field Coil

Replacing: 10470770; 10496643; 1877306; 1965048; -730; 1976129; 1977306; d4223; -7; -64

Servicing: 10MT. 10455300; -1; -5; -6; -8; -9; -10; -11; -12; -14; -15; -16; -17; -18; -19; -21; -22; -24; -25;

V. 12, **H.** 104.70, **Brush gear** w/o



132692 Field Coil

Replacing: 1957375

Servicing: 10MT.

V. 12, **H.** 87.85, **Brush gear** w/o

High torque.



132693 Field Coil

Replacing: 1945350; d4218

Servicing: 30MT. 1113059; -89; -100; -111; -112; -114; -119; -121; -126; -136; -138; -139; -150; -152; -153; -1

V. 12, **H.** 124.55, **Brush gear** w/o



134755 Field Coil

Replacing: 1946761; 1978378

Servicing: 40MT. 1113856; -7; -74; -75; -81; -907; -917; -936; -953; -961; -984; -4047; -4061; -4063; -4079; -4

V. 12/24, **H.** 142.70, **Brush gear** w/o



134786 Field Coil

Servicing: 3471173

V. 12, **kW.** 0.8/1.0/1.4, **H.** 85.30, **Brush gear** w/o



134836 Field Coil

Servicing: 28MT. 1113281; -2; -5

V. 12, **H.** 99.55, **Brush gear** w/o



135245 Field Coil

Servicing: 3471150

V. 12, **kW.** 0.7, **H.** 80.25, **Brush gear** w/o

Small pole shoe.



135338 Field Coil

Replacing: 1891918; 1955951; 1956384; 1978123; 1986457; -819; 1988951; e3pz11062a; 138132; 1956348

Servicing: 20MT, 27MT. 1107506; -8; -9; -10; -11; -12; -14; -16; -17; -18; -19; -20; -21; -22; -23; -24; -25; -

V. 12, **H.** 130.40, **Brush gear** w/o



135610 Field Coil

Servicing: 28MT.

V. 24, **H.** 97.85, **Brush gear** w/o



137488 Field Coil

Replacing: 3471675

Servicing: 3471155

V. 12, **kW.** 0.8, **H.** 83.80, **Brush gear** w/o

Big pole shoe.



138133 Field Coil

Replacing: 1935128; -31; 1975249

Servicing: 10MT. 1107222; -4; -33; -42; -66; -70; -71; -74; -75; -79; -80; -82; -84; -85; -93; -97; -98; -306;

V. 12, **H.** 92.00, **Brush gear** w/o



138136 Field Coil

Replacing: 1891565; 1891565d
Servicing: 8MT, 10MT. 1107335
V. 12, **H.** 90.30, **Brush gear** w/o



138345 Field Coil

Replacing: 1974375
Servicing: 10MT. 1108291; -7; -9; -9359; -9360; -9377; -9424; -9425; -9426; -9433; 1998212; -83; -90; -99; -300
V. 12, **H.** 87.95, **Brush gear** w/o



230157 Field Coil

Replacing: 1986473
Servicing: 27MT. 10455500; 1113591; -4; -6; -600; 1998351; -409; -432; -454; -459; -463; -487; -488; -519
H. 137.65, **Brush gear** w/o



230405 Field Coil

Servicing: SD210. -260. 10455047; -8; -53; -54; -60; -61
V. 12, **H.** 95.15, **Brush gear** w/o



230428 Field Coil

Replacing: 10499208; 1893277; -754; 230427
Servicing: 5MT. 10455004; -7; -16; -17; -18; -19; -23; -55; 1109521; -3; -4; -6; -8; -30; -46; -60; -64; 199842
V. 12, **H.** 88.50, **Brush gear** w/o



230429 Field Coil

Replacing: 1974183; -924
Servicing: 10MT. 10455600; 1108229; -81; -82; -83; -84; -85; -86; -87; -94; -95; -96; -98; -9061; -9064; -9074;
V. 12, **H.** 89.30, **Brush gear** w/o



232857 Field Coil

Servicing: 5MT. 1109522
V. 12, **H.** 83.15, **Brush gear** w/o



232858 Field Coil

Servicing: 5MT. 1109521
H. 90.40, **Brush gear** w/o



232859 Field Coil

Servicing: 5MT lang, SD200, SD250. 10455001; -6; -15; -24; 1998521; -44
V. 12, **H.** 93.30, **Brush gear** w/o



232860 Field Coil

Servicing: 10MT, SD300.
V. 12, **H.** 89.25, **Brush gear** w/o



232861 Field Coil

Replacing: 1933761; 1967968; d4222; -4
Servicing: 10MT, SD300. 1107301; -2; -7; -8; -17; -32; -43
V. 12, **H.** 75.45, **Brush gear** w/o



232862 Field Coil

Replacing: 1851981; 1951981
Servicing: 30MT. 1113216; -7; -8; -29; -31; -32; -33; -34; -35; -36; -37; -43; -45
V. 12, **H.** 127.90, **Brush gear** w/o

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



232863 Field Coil

Replacing: 1949332; 1960660; 830950; d4220
Servicing: 30MT. 1107200; -310; -311; -313; -314; -330; -340; -342; -8093; -8096; -8099; -8763
V. 24, **H.** 109.35, **Brush gear** w/o



232864 Field Coil

Replacing: 1966028; 1969128
Servicing: 35MT. 1107213; -672; -741; -788; -878; -886; -8198; -13402; -13652; -13658; -13659; -13662; -13664;
V. 12, **H.** 158.45, **Brush gear** w/o



232865 Field Coil

Replacing: 10496940
Servicing: 37MT. 1990317; -498; -3713; -3755; -3759; -3761; -3762; -3763; -3764; -3767; -3768; -3769; -3770; -3
V. 12, **H.** 146.00, **Brush gear** w/o



232866 Field Coil

Replacing: 1945883; 1977661
Servicing: 40MT. 1114059; -62; -75; -93; -100; -104; -106; -123; -155; -177; -183; -665; -702; -716; -721; -731
V. 12, **H.** 146.00, **Brush gear** w/o



232867 Field Coil

Replacing: 1977820
Servicing: 50MT. 10478813; -77; -81; -906; -910; -917; 1109295; -545; -790; 1990261; -77; -3859; -3864; -3968
V. 12, **H.** 178.00, **Brush gear** w/o



232868 Field Coil

Replacing: 1945916
Servicing: 50MT. 10478851; -4; -8; -74; -76; -85; -9002; 1109220; -4; -75; -77; -78; -79; -97; -626; -648; -797
V. 24 - 32, **H.** 159.60, **Brush gear** w/o
Terminal: Cargo 230797.



232869 Field Coil

Replacing: 1967345
Servicing: 50MT. 10478827; -8; -915; 1109280; -999; 1990256; -333; -758; -3708
V. 32, **H.** 157.60, **Brush gear** w/o



232870 Field Coil

Replacing: 1965635; 1970247
Servicing: 50MT. 10478807; -8; -29; -30; -67; -68; -70; -71; -916; -919; 1109283; -4; -629; -758; -996; 1990257
V. 32 - 64, **H.** 162.55, **Brush gear** w/o



232871 Field Coil

Replacing: 10468110; d4255; 10468111
Servicing: 37MT, 41MT. 10461169; -78805; -78806; -78812; -78818; -78825; -78890; -78897; -78921; -78926; -78927
V. 12, **H.** 129.50, **Brush gear** w/o



232872 Field Coil

Replacing: 10469230; d4257
Servicing: 37MT. 10478811; -4; -9; -26; -960; -976; -9020; 1993901; -2; -3; -5; -9; -10; -11; -14; -17; -18; -1
V. 24, **H.** 143.35, **Brush gear** w/o



232873 Field Coil

Replacing: 1988797
Servicing: 42MT. 10478836; -9; -92; -979; -981; -9012; 1990381; -9; -436; -447; -3784; -3826; -3827; -3996; -39
V. 24, **H.** 147.00, **Brush gear** w/o



232874 Field Coil

Replacing: 1988863
Servicing: 42MT. 10478968; -71; -78; -9007; 1990365; -80; -95; -430; -439; -442; -486; -494; -3774; -3849
V. 12, **H.** 152.00, **Brush gear** w/o



232875 Field Coil

Servicing: SD205, SD255.

V. 12, **H.** 88.40, **Brush gear** w/o



232876 Field Coil

Servicing: SD255. 10455066; -7; 24507409

V. 12, **H.** 96.00, **Brush gear** w/o



232877 Field Coil

Replacing: 10472563

Servicing: 37MT, 41MT. 10478815; -7; -98; -925; -953; -961; -9013; -9024; 1993995

V. 24, **H.** 143.35, **Brush gear** w/o



232879 Field Coil

Replacing: 1852026

Servicing: 35MT. 1113393; -400; -403; -405; -406; -407; -414; -415; -416; -417; -418; -420; -421; -422; -424; -

V. 20 - 24, **H.** 157.00, **Brush gear** w/o



232880 Field Coil

Replacing: 1932696

Servicing: 10MT, SD300. 1107671; -82; -85; -98; -99; -703; -713; -714; -718; -721; -725; -728; -729; -733; -736

V. 12, **H.** 90.00, **Brush gear** w/o



232881 Field Coil

Replacing: 825210

Servicing: 10MT. 1108173; -4; -5; -530; -531; -536

V. 12, **H.** 104.00, **Brush gear** w/o



232882 Field Coil

Replacing: 1937548

Servicing: 10MT. 1107213; -672; -741; -788; -878; -881; -886; -8198

V. 12, **H.** 88.60, **Brush gear** w/o



232883 Field Coil

Replacing: 1930418; d4211

Servicing: 1107893

V. 12, **H.** 88.00, **Brush gear** w/o



232884 Field Coil

Replacing: 1939535

Servicing: 10MT. 1107695

V. 12, **H.** 90.35, **Brush gear** w/o



232885 Field Coil

Replacing: 1945612

Servicing: 30MT. 1113090; -132; -149; -155; -176; -187; -197; -198; -201; -206; -213; -471; -4662

V. 12, **H.** 109.75, **Brush gear** w/o



232886 Field Coil

Replacing: 1928969; 1940471; d4210; -33

Servicing: 10MT, SD300. 1107202; -17; -27; -31; -658; -659; -663; -670; -673; -674; -675; -677; -702; -708; -73

V. 12, **H.** 77.00, **Brush gear** w/o



232887 Field Coil

Servicing: 10MT.

V. 12, **H.** 102.00, **Brush gear** w/o

High torque.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



232888 Field Coil

Replacing: 1934499; 1938390

Servicing: 35MT. 1113301; -6; -7; -8; -9; -10; -11; -12; -14; -15; -16; -18; -19; -22; -23; -27; -28; -601; -60

H. 143.70, **Brush gear** w/o



232889 Field Coil

Replacing: 1959456

Servicing: 35MT. 1113409; -642; -647; -673; -680; -685; -696

V. 12, **H.** 159.80, **Brush gear** w/o



232906 Field Coil

Replacing: 1838324

Servicing: 1108104; -7; -9; -35; -43; -44; -55; -62; -67; -562

V. 12, **H.** 104.00, **Brush gear** w/o

C.E. Brackets



133019 C.E. Bracket

Replacing: 1928966; 1941109; 1974157; 1977031; d4307

Servicing: 10MT, 25MT. 10455300; -1; -5; -6; -8; -9; -10; -11; -12; -14; -15; -16; -17; -18; -19; -20; -21; -22

W/ bush. Bush: Cargo 140181.



138143 C.E. Bracket

Replacing: 1978137; 1979996; 1986464

Servicing: 15MT, 22MT, 27MT. 10455500; 1109216; -8; -9; -495; -563; -13589; -13590; -13591; -13593; -13594; -13

w/ bushing.



138699 C.E. Bracket

Replacing: 1940385; 1951603; d4303

Servicing: 20MT, 25MT. 1107185; -213; -218; -249; -253; -279; -297; -315; -336; -359; -369; -383; -477; -506; -

w/ bushing.



139286 C.E. Bracket

Replacing: 1893273

Servicing: 5MT. 1109521; -2; -3; -4; -6; -8; -30

w/ bushing.

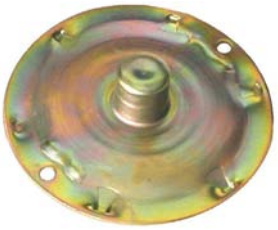


230392 C.E. Bracket

Replacing: 10468555; 10474999

Servicing: PG260F1. 09000794; -801; 10455506; 9000833; 96208785

Bearing: Cargo 140222.



230409 C.E. Bracket

Replacing: 10467598; 10496330; d4313

Servicing: 5MT, SD210, SD260. 10455001; -6; -8; -9; -12; -13; -15; -24; -42; -45; -46; -47; -51; -58; -61; -64;

w/ needle bearing.



230410 C.E. Bracket

Replacing: 1978292; 1986973; d4310

Servicing: 5MT. 10455004; -7; -10; -11; -16; -17; -18; -19; -20; -21; -22; -23; -25; -26; -44; -48; -49; -52; -

w/ bushing.



230544 C.E. Bracket

Replacing: 10495156; 1988126; 10496573
Servicing: 42MT. 10478801; -2; -3; -9; -10; -20; -24; -36; -39; -92; -93; -94; -918; -931; -932; -933; -934; -9



230780 C.E. Bracket

Replacing: 10457036
Servicing: 28MT. 10479600; -4; -5; -6; -7; -8; -12; -13; -14; -15; -16; -17; -18; -19; -20; -28; 1113271; -2; -
I.D. 84.00



230781 C.E. Bracket

Replacing: 10456467
Servicing: 28MT. 10479611; 1113269; -70; -95; -96

w/ stud 1/4"-20.



230820 C.E. Bracket

Replacing: 1909514; 1945514; -5; -960; 1948518; 1949611; 1951073
Servicing: 40MT. 10461041; -5; -6; -7; -8; -59; -60; -61; 1113818; -20; -24; -25; -27; -30; -31; -32; -40; -42;

w/ bushing.



232507 C.E. Bracket

Replacing: 1876364
Servicing: 25MT, 27MT. 1109193; -217; -251; -252; -253; -255; -256; -257; -258; -259; -260; -496; -500; -539; -
I.D. 108.50



232508 C.E. Bracket

Replacing: 1945617; 1946555; 1966265; 1967224; d4304
Servicing: 30MT, 35MT. 1113059; -89; -90; -100; -101; -105; -111; -112; -113; -114; -115; -117; -118; -119; -12



232512 C.E. Bracket

Replacing: 1851975; 1891925
Servicing: 30MT, 35MT. 1113216; -7; -8; -22; -28; -29; -31; -32; -33; -34; -35; -36; -37; -42; -43; -44; -45; -
I.D. 14.25



232524 C.E. Bracket

Replacing: 10475581; 10476865; 10477932
Servicing: PG260M. 9000786; -98; -819; -820; -821; -822; -834; -851; -853; -860; -866; -867
I.D. 71.00
Drain tube: Cargo 138224.



232525 C.E. Bracket

Replacing: 10476907
Servicing: PG260M. 9000804; -6; -61; -63



232526 C.E. Bracket

Replacing: 10476647
Servicing: PG260M. 9000805; -62



232530 C.E. Bracket

Replacing: 10468709; d3339
Servicing: 37MT, 41MT. 10478805; -11; -12; -14; -15; -17; -18; -19; -925; -926; -928; -957; -9015; -9034; -9054



232565 C.E. Bracket

Replacing: 1985315
Servicing: 37MT, 41MT. 1990308; -9; -10; -11; -12; -13; -15; -16; -17; -18; -19; -20; -21; -22; -26; -27; -36;

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



232960 C.E. Bracket

Replacing: 1593227; 1945847; -8; 1953227

Servicing: 50MT. 10478800; -7; -8; -13; -27; -28; -29; -30; -43; -44; -45; -46; -48; -49; -50; -52; -53; -55; -



232961 C.E. Bracket

Servicing: PG260F2.



232963 C.E. Bracket

Servicing: PG260M.



232964 C.E. Bracket

Servicing: PG260F2.



232965 C.E. Bracket

Servicing: PG260M.



233685 C.E. Bracket

Replacing: 10472023; 10499883

Servicing: PG200, -250. 9000719; -35; -62; -63; -68; -73; -75; -76; -89; -96; -97

235645 C.E. Frame

Replacing: 1881625; 1946725

D.E. Brackets



130511 D.E. Bracket

Replacing: 1s0297; 1945506; -963; 1946575; 1948452; 1949606; 1951189; 1957846; -7; 1961666; 1967454; 1969323; 1

Servicing: 40MT, 50MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78807; -78808; -78813; 1109220; -1; -2



133973 D.E. Bracket

Servicing: 3471155



134031 D.E. Bracket

Servicing: 3471150; -68



139137 D.E. Bracket

Servicing: 3471170; -4



139242 D.E. Bracket

Replacing: 10469542; 10496538; -42; 1979443; 1985567

Servicing: 27MT. 1109219; -563; -13589; -13590; -13591; 1998401; -9; -42; -54



139283 D.E. Bracket

Replacing: 1984097; -590; 232535

Servicing: 10MT, SD300. 10455301; -5; -6; -8; -43; 1108427; -8; -9; -30; -513; 1998211; -5; -6; -7; -20; -21; -



139285 D.E. Bracket

Replacing: 1893268

Servicing: 5MT. 1109521; -4



230110 D.E. Bracket

Replacing: 830845

Servicing: 10MT. 1108755; -6; -9481; -9486; -9487; -9488; -9489; -9490; -9492; 1998317; -8; -21



230111 D.E. Bracket

Replacing: 1955958; 1963976; 1987758

Servicing: 10MT, 20MT, 22MT. 10455321; 1107290; -332; -506; -540; -576; -584; -588; -598; -868; -8395; -8398; -



230118 D.E. Bracket

Replacing: 1957226; 1965471; 1966914

Servicing: 10MT. 10455316; -7; -20; -21; -23; -28; -29; -30; -31; -34; -37; -39; -41; 1107334; -582; -8428; -90



230542 D.E. Bracket

Replacing: 1988137; -438; -779

Servicing: 42MT. 10478803; -4; -9; -10; -24; -36; -43; -44; -45; -48; -49; -51; -52; -54; -57; -58; -60; -63; -



230548 D.E. Bracket

Replacing: 10456437; 10467574; 10495877; -9

Servicing: 5MT. 10455006; -24; -66; 1998521; -44

Needle bearing: Cargo 140421.



230569 D.E. Bracket

Replacing: 800637

Servicing: 27MT,30MT. 10455312; 1108419; -9084; 1998260; -414



230570 D.E. Bracket

Replacing: 1962932

Servicing: 10MT, 20MT, 22MT. 10455332; 1107308; -8508; -8696; -9087; -9422; 1998263; -97; -349



230571 D.E. Bracket

Replacing: 1969156; 801227; 1964056; 1962814; 230552

Servicing: 10MT. 1107293; -4; -8; -9; -316; -330; -354; -355; -361; -389; -396; -776; -781; -790; -876; -883; -



230596 D.E. Bracket

Replacing: 1987766

Servicing: 10MT. 10455340; -6340; 1998281



230881 D.E. Bracket

Replacing: 1974146; 1985148

Servicing: 5MT, SD200. 10455004; -17; 1109526; -38; -60; 1998445; -8; -9; -50; -514; -515; -526; -530; -546

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



230882 D.E. Bracket

Replacing: 1978282; 1984734

Servicing: 5MT, SD200. 10455019; -20; -22; -23; -55; 1109530; -3; -7; -56; -62; -64; 1998422; -9; -77; -502; -5



230883 D.E. Bracket

Replacing: 1977490; 1978851; 1986995; 1988851

Servicing: 5MT, SD200. 10455016; 1109528; -35; 1998427; -524



231244 D.E. Bracket

Replacing: 10476793

Servicing: PG260M. 9000798; -820; -822

Needle bearing: Cargo 140242.



231245 D.E. Bracket

Replacing: 10457010; 10497193

Servicing: PG200, -250. 9000719; -35; -62; -68; -89

Needle bearing: Cargo 140242.



231246 D.E. Bracket

Replacing: 10476596

Servicing: PG260M. 9000786; -819; -821; -851; -860; -899

Needle bearing: Cargo 140242.



231737 D.E. Bracket

Replacing: 1963772

Servicing: 10MT, 20MT, 22MT. 10455324; -49; 1107335; -583; -592; -874; -8443; -8493; -9418; -9423; -9439; -1360

Wet clutch.



231738 D.E. Bracket

Replacing: 1965225; 1986854; 1987573

Servicing: 10MT, 20MT, 22MT, 27MT. 10455336; -7; -9; 1107356; -86; -580; -589; -8416; -8698; -9144; -9417; -943



231739 D.E. Bracket

Replacing: 1962599

Servicing: 10MT, 20MT, 22MT, 25MT. 10455325; -6; -7; 1107295; -875; -8393; -8423; -8501; -9097; -9147; -9192; -



231740 D.E. Bracket

Replacing: 1986826

Servicing: 10MT, 20MT, 22MT, 25MT. 10455316; -20; 1107194; -205; -209; -229; -234; -249; -268; -292; -510; -522



231741 D.E. Bracket

Replacing: 1893446

Servicing: 20MT, 25MT. 1109212; -3



231742 D.E. Bracket

Replacing: 10457026

Servicing: 28MT. 10479605; -16; -17; -34; 1113275; -6; -7; -8; -91; -92



231743 D.E. Bracket

Replacing: 10456471; -2

Servicing: 28MT. 10479611; 1113269; -70; -95; -96



231744 D.E. Bracket

Replacing: 10457030; -180
Servicing: 28MT. 10479604; -7; -8; -12; -13; 1113273; -4; -90



231745 D.E. Bracket

Replacing: 10457029; -170
Servicing: 28MT. 10479600; -6; -15; -18; -29; 1113279; -80; -81; -82; -85



231746 D.E. Bracket

Replacing: 10475284; -98; 10467736
Servicing: SD210. 10455010; -25; -48; -53; -60



231747 D.E. Bracket

Replacing: 10475285; -307; 10467722
Servicing: 10455011; -54



231748 D.E. Bracket

Replacing: 10456482; 10467626
Servicing: SD260. 10455013; -42

Needle bearing: Cargo 140421.



232050 D.E. Bracket

Replacing: 1876881; 1965529; 1967277; 1968122; 1970310
Servicing: 10MT, SD300. 10455300; 1107237; -42; -47; -48; -59; -60; -66; -301; -302; -306; -307; -320; -336; -3



232493 D.E. Bracket

Replacing: 1966232
Servicing: 10MT, 20MT, SD300. 10455333; 1107377; -8; -8197; -8693; -9090; -9091; 1998266; -7

Wet clutch.



232494 D.E. Bracket

Replacing: 1942920; 1955336
Servicing: 10MT, SD300. 1107709; -10; -42; -63; -8373; -8374; -9356; -9369; 1998280; -9



232495 D.E. Bracket

Replacing: 1939977; 1966804; 1970338
Servicing: 10MT, SD300. 10455335; 1107321; -83; -686; -895; -8362; -8364; -8485; -8785; -9030; -9079; -9565; 19



232498 D.E. Bracket

Replacing: 10499864
Servicing: 37MT. 10478806; -11; -25; -26; -927; -929; -930; -949; -960; -976; -9014; -9016; -9020; -9068; -9069



232499 D.E. Bracket

Replacing: 1986351
Servicing: 37MT. 10478814; -9; -928; -953; -957; -9015; -9035; -9036; -9054; 1990309; -15; -18; -20; -21; -22;



232500 D.E. Bracket

Replacing: 1984098
Servicing: 10MT, SD300. 1107289; -338; -365; -388; -660; -687; -694; -711; -890; -892; -8282; -8299; -8338; -83

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



232501 D.E. Bracket

Replacing: 1987887

Servicing: 37MT. 10478805; 1990499; -3756; -3817; -3838; -3862; -3879; -3903; -3919; -3921; -3954; -3956; -3986



232502 D.E. Bracket

Replacing: 1947803; 1948993; 1949406; -906

Servicing: 30MT, 35MT. 1113113; -24; -35; -37; -48; -49; -55; -90; -93; -95; -96; -201; -203; -212; -215; -225;



232505 D.E. Bracket

Replacing: 1964431; 1986455; 1964430

Servicing: 10MT, 20MT, 22MT, 25MT. 1107577; -99; -863; -871; -8319; -9262; -9346; -9365; -9367; -9421; -9576; 1



232506 D.E. Bracket

Replacing: 1971532

Servicing: 10MT, 20MT, 22MT, SD300. 10455322; 1108284; -390; -9143; 1998505



232509 D.E. Bracket

Replacing: 1891402

Servicing: 10MT, SD300. 1108769; 1998252



232510 D.E. Bracket

Replacing: 1942242; 1946013; 1951207

Servicing: 30MT, 35MT. 1113059; -89; -90; -100; -101; -111; -130; -131; -136; -150; -153; -162; -163; -177; -18



232513 D.E. Bracket

Replacing: 1851987; 1852957; 1978692

Servicing: 30MT, 35MT. 1113216; -28; -29; -36; -37; -45; -53; -54; -56; -58; -59; -61; -62; -63; -396; -397; -3



232514 D.E. Bracket

Replacing: 1970235

Servicing: 10MT, SD300. 10455311; -46; 1108345; -69; -753; -792; -9032; -9034; -9060; -9075; 1998206; -28; -31;



232515 D.E. Bracket

Replacing: 1946095; -6; 1951837; -75

Servicing: 40MT, 50MT. 1109493; -630; -646; -837; -844; -881; -968; -971; -973; -974; -975; -977; -978; -13474;



232516 D.E. Bracket

Replacing: 1986240

Servicing: 37MT. 1990308; -47; -3702; -3738; -3759; -3767; -3789; -3837; -3850; -3854; -3855; -3866; -3905; -39



232517 D.E. Bracket

Replacing: 1985465

Servicing: 37MT. 10461169; 1990310; -2; -3; -6; -7; -9; -30; -32; -41; -3707; -3713; -3719; -3729; -3732; -3737

Reduction bushing to convert mtg. ear from 5/8" to 1/2": Cargo 232518.



232519 D.E. Bracket

Replacing: 1956262; 1970676; 1987566

Servicing: 10MT, 20MT, 22MT, 25MT, 27MT, SD300. 1107512; -853; -860; -870; -8379; -8397; -9082; -9264; 1998345;



232520 D.E. Bracket

Replacing: 1965429; 1986743

Servicing: 10MT, 20MT, 22MT, 25MT, 27MT, SD300. 1107359; -867; -8482; -9270; -9361; -9570; -9594; 1998284; -343



232521 D.E. Bracket

Replacing: 1970259

Servicing: 10MT, SD300. 1107233; -73; -74; -86; -369; -664; -688; -712; -754; -889; -891; -8332; -8355; -8360;



232522 D.E. Bracket

Replacing: 1852012; 1966222; -7

Servicing: 10MT, SD300. 10455309; -44; 1107371; -5; -6; -8357; -8752; -9033; -9076; -9368; 1998229; -48; -470;



232523 D.E. Bracket

Replacing: 1969223; 1970238; 0031544206; 20802191

Servicing: 10MT, SD300. 10455310; -45; 1108347; -70; -754; -9035; -9077; 1998230; -49; -471; -500; -595



232531 D.E. Bracket

Replacing: 1978850; 1986096

Servicing: 5MT, SD200. 1109527; -34; 1998430; -66; -527; -548



232532 D.E. Bracket

Replacing: 1893332; 1986092

Servicing: 5MT, SD200. 10455052; 1109522; -32; 1998428; -51; -525



232533 D.E. Bracket

Replacing: 1893752; 1987662

Servicing: 5MT, SD200. 10455007; -73; 1109523; -44; 1998453; -536



232534 D.E. Bracket

Replacing: 1978675; 1987274

Servicing: 5MT, SD200. 1109531; 1998434; -535



232536 D.E. Bracket

Replacing: 1984528

Servicing: 5MT, SD200. 10455021; 1109551; 1998447; -529



232537 D.E. Bracket

Replacing: 1985339; 1987086

Servicing: 5MT, SD200. 1109561; 1998431



232538 D.E. Bracket

Replacing: 10495253; 1984216

Servicing: 5MT, SD200. 1109546; 1998476; -509; -512; -534



232539 D.E. Bracket

Replacing: 10498121

Servicing: 5MT, SD200. 10455008; -9; -45; -46; -58; -72; 1998542; -50

Needle bearing: Cargo 140421.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



232540 D.E. Bracket

Replacing: 1988412
Servicing: 5MT, SD200. 10455018; -74; 1998482; -532



232544 D.E. Bracket

Replacing: 10469354
Servicing: 5MT, SD200. 10455044; -9



232545 D.E. Bracket

Replacing: 10487938; 10499277
Servicing: 5MT, SD200. 10455001; -15; -67

Needle bearing: Cargo 140421. DE bracket w/ bushing: Cargo 232544.



232546 D.E. Bracket

Replacing: 10456481; 10467437; 10475287
Servicing: SD260. 10455012; -76

Needle bearing: Cargo 140421.



232547 D.E. Bracket

Replacing: 10471930; 10475289; -90
Servicing: SD260. 10455026; -47; -51; -61

Needle bearing: Cargo 140421.



232548 D.E. Bracket

Replacing: 10476639
Servicing: PG260M. 9000805; -44; -62

Needle bearing: Cargo 140242.



232549 D.E. Bracket

Replacing: 10476220
Servicing: PG260M. 9000806; -63

Needle bearing: Cargo 140242.



232550 D.E. Bracket

Replacing: 10487731
Servicing: PG260M. 10465375; 9000812; -64



232551 D.E. Bracket

Servicing: SD255. 10455389

Needle bearing: Cargo 140421.



232552 D.E. Bracket

Servicing: PG260F1.

Needle bearing: Cargo 140242.



232553 D.E. Bracket

Replacing: 10457142
Servicing: 28MT. 10479614; 1113284



232560 D.E. Bracket

Servicing: F77U11000AA; F77Z11002AA; F89U11000AB; -BA; F89Z11002BA



232951 D.E. Bracket

Servicing: PG260M. PG260M



232952 D.E. Bracket

Servicing: PG260M.



232953 D.E. Bracket

Servicing: PG260T2.



232954 D.E. Bracket

Replacing: 1852859

Servicing: 10MT, SD300. 1108278; -525; -742; -9358; 1998282; -421; SD300



232955 D.E. Bracket

Servicing: PG260F1. PG260F1



232956 D.E. Bracket

Servicing: PG260F2.



232957 D.E. Bracket

Servicing: PG260M. 9000865; -900



233138 D.E. Bracket

Replacing: 1988891

Servicing: 37MT. 10478816; -39; -968; -9007; -9012; -9102; 1990365; -89; -494; -3784; -3801



233335 D.E. Bracket

Replacing: 1974897

Servicing: 10MT, SD300. 1998204; -5; -33; -37; -517; -572



233684 D.E. Bracket

Replacing: 801883

Servicing: 20MT, 22MT, 27MT. 1108694; -9193; -9559; 1998287; -348; -363



233758 D.E. Bracket

Replacing: 10457359

Servicing: 10461470; -79626



234518 D.E. Bracket

Replacing: 2005825109; 19024616

Servicing: 0001401011; -44; -49; -50; -2053; -2054; -2055; -2075; -2083; BNG4/12CR215SR

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

235642 D.E. Cast

Replacing: 800819; 801191

I.M. Brackets



138661 I.M. Bracket

Replacing: 1892414; 1956939
Servicing: 10455323; -38; -600; -601; -602; -603; -604; 1107221; -30; -8278; -8525; -8742; -8744; -8755; -8756



230543 I.M. Bracket

Replacing: 10477832; 1988436; -892; -998
Servicing: 10478802; -931; -932; -933; -935; -936; -938; -939; -940; -941; -942; -943; -946; -964; -984; -985;

Incl: Bushing, seal, brake washer, o-ring, oil wick, oil cup, lever housing.



230678 I.M. Bracket

Replacing: 1962602
Servicing: 10455321; -2; -4; -5; -6; -31; -32; -33; -500; 1107295; -6; -7; -308; -322; -335; -377; -397; -398;

Wet clutch starters.



230679 I.M. Bracket

Replacing: 10496109; 1986468; 820149
Servicing: 10455317; -8; -9; -27; -36; -37; -39; 1107051; -71; -146; -179; -193; -194; -203; -205; -209; -218;

Bushing: Cargo 140776.



230680 I.M. Bracket

Replacing: 1976882
Servicing: 1109215; -6; -9; -563; -13589; -13590; -13591; 1998401; -9; -42; -54



230778 I.M. Bracket

Replacing: 10457037
Servicing: 10479600; -4; -5; -6; -7; -8; -12; -13; -14; -15; -16; -17; -18; -19; -20; -28; -34; 1113271; -2; -



230779 I.M. Bracket

Replacing: 10456469
Servicing: 10479611; 1113269; -70; -95; -96



230818 I.M. Bracket

Replacing: 1951069; 1979534
Servicing: 10461046; -7; -61; 1113172; -353; -366; -372; -375; -385; -387; -393; -406; -408; -410; -474; -475;

w/ lever housing.



230821 I.M. Bracket

Replacing: 10473716; 1988093
Servicing: 10478801; -3; -4; -9; -10; -24; -39; -9052; -9053; 1990337; -48; -53; -54; -56; -57; -58; -59; -67;

w/ lever housing.



231105 I.M. Bracket

Replacing: 10456470
Servicing: 10479600; -4; -5; -6; -7; -8; -11; -12; -14; -15; -18; -19; -20; -28; -34; 1113269; -70; -71; -73;

Dry clutch.



232496 I.M. Bracket

Replacing: 10498654; 1985335
Servicing: 10478805; -12; -14; -17; -18; -97; -98; -925; -999; -9023; -9024; -9034; -9060; 1990315; -6; -7; -8

w/ lever housing.



232497 I.M. Bracket

Replacing: 10496568; 1985231; 1987629
Servicing: 10478806; -15; -19; -25; -90; -921; -928; -929; -930; -949; -953; -957; -976; -9013; -9015; -9016;

w/ lever housing.



232503 I.M. Bracket

Replacing: 1942241
Servicing: 1113059; -89; -90; -100; -101; -111; -113; -114; -115; -119; -121; -124; -126; -130; -131; -133; -1

w/ lever housing.



232504 I.M. Bracket

Replacing: 1945857; 1953223; 1979598; -870
Servicing: 10478800; -7; -8; -13; -27; -28; -29; -30; -46; -53; -62; -72; -73; -75; -83; -85; 1109220; -1; -2;

w/ lever housing.



232511 I.M. Bracket

Replacing: 1979434
Servicing: 10461041; -5; -8; -59; -60; 1113378; -9; -84; -86; -403; -407; -445; -446; -479; -481; -486; -533;

w/ lever housing.



233139 I.M. Bracket

Replacing: 1851986
Servicing: 1113216; -7; -8; -28; -29; -31; -32; -33; -34; -35; -36; -37; -44; -45; -48; -53; -54; -56; -57; -5

w/ lever housing.



234741 I.M. Bracket

Replacing: 10457169
Servicing: 10479613; -6; -7; 1113272; -85; -88; -90; -91; -92

Wet clutch. w/ oil seal.

Solenoids



130493 Solenoid

Replacing: 2098360; 3225629; f903; B6AZ-11-450A; 15-407; zm-401; SAS-4211Y
V. 12, **B+** M8, **Intermittent load** 150amp., **Coil bolt** M8
Grounded base. Flat bracket.



130499 Solenoid

Replacing: 3202630; 3204049; 3205022; 1114250; -1; -2; -3; -5; -6; -7; -63; -64; -66; -68; -70; -71; -72; -73;
Servicing: 10MT, 20MT, 25MT, 27MT. 10455308; -9; -10; -11; -22; -35; 1107201; -4; -23; -24; -28; -29; -42; -50;
V. 12, **B+** M10
Grounded base. Cap: Cargo 130497.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



130500 Solenoid

Replacing: 321507; 1114365; 1115501; -8; -10; -29; -31; -40; 1119778; -833; -877; -882; -885; -890; -933; -935;

Servicing: 30MT, 35MT. 1113059; -66; -70; -75; -82; -83; -87; -88; -89; -90; -91; -92; -93; -95; -97; -98; -100

V. 12, **B+** M10, **Coil bolt** M8

Grounded base. Cap: Cargo 130498.



130963 Solenoid

Replacing: 3471694; -8; 3491028; dr901

Servicing: 3471141; -4; -53; -54; -64; -65

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 130488. w/o plunger.



131119 Solenoid

Replacing: 3471693; -741; -982; dr902; zm-556

Servicing: 3471143; -63

V. 12, **B+** M8

Cap: Cargo 130489. w/o plunger.



131272 Solenoid

Replacing: 3471697; -977; 3491027; dr903; zm-1557

Servicing: 3471150; -60; -68

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133180. w/o plunger.



131273 Solenoid

Replacing: 3471725; -929; -979; dr904; zm-555

Servicing: 3471155; -62; -69; -70

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133180. w/o plunger.



131349 Solenoid

Replacing: 1115595; -601; -608; zm-461

Servicing: 42MT. 10478820; -39; -980; -981; -986; -989; -990; -996; -998; -9012; -9022; -9067; 1990344; -50; -5

V. 24, **B+** ½" M13, **Coil bolt** ½" M13

Insulated base. Cap: Cargo 135323. Solenoid w/ Cargo 233873.



131356 Solenoid

Replacing: 1115591; zm-451

Servicing: 37MT. 1990308; -19; -41

V. 12, **B+** M14-1.5, **Coil bolt** M10

B+ terminal: 1/2"-13. Motor terminal: 3/8"-16. Cap: Cargo 137810.



131361 Solenoid

Replacing: 1115594; -604; zm-459

Servicing: 37MT. 1990330; -1; -2; -499; -3701; -3702; -3707; -3729; -3732; -3741; -3742; -3744; -3745; -3771; -

V. 24, **B+** ½"- M13, **Coil bolt** ½"- M13

Insulated base. Cap: Cargo 135323.



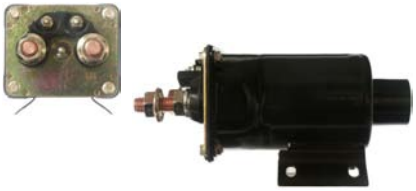
131363 Solenoid

Replacing: 7l6586; 3603870rx; 3604230rx; 1115556; -65; -75; 1119835; -53; -79; e1hz11390a; zm-951; C3TS11390A;

Servicing: 40MT, 50MT. 10461041; -5; -6; -8; -59; -60; -61; -78813; -78877; -78881; -78910; -78917; 1109295; -5

V. 12, **B+** M14-1.5, **Coil bolt** M14-1.5

Insulated base. Cap: Cargo 135323.



131364 Solenoid

Replacing: 1p9181; 4m1812; 4r7057; 8l5071; 3603869rx; 3604231rx; 1115526; -44; -47; -48; -57; -59; -76; -607; 1

Servicing: 40MT, 50MT. 10461047; -78846; -78848; -78850; -78851; -78852; -78853; -78855; -78856; -78859; -78860

V. 24, **B+** M14-1.5, **Coil bolt** M14-1.5

Insulated base. Squareface. Cap: Cargo 131368.



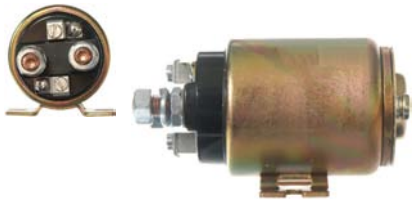
131369 Solenoid

Replacing: 1115593; e6hz11390b; -c; zm-456; 1115645

Servicing: 42MT. 10478801; -2; -3; -4; -10; -94; -962; -964; -966; -967; -978; -983; -992; -997; -9000; -9018;

V. 12, **B+** ½"- M13, **Coil bolt** 0.50"- M13

Insulated base. Cap: Cargo 135324. Solenoid w/ plunger: 234476.



131372 Solenoid

Replacing: 0333009002; 19024760; 12690

Servicing: 333009002

V. 24, **Amp.** 150, **B+** M8, **Intermittent load** 800 Amp., **Seconds** 5, **Coil bolt** M8

Silver contacts.



131373 Solenoid

Replacing: 0333009004; 19024761; 12700

Servicing: 333009004

V. 12, **Amp.** 150, **B+** M8, **Intermittent load** 800 Amp., **Seconds** 5, **Coil bolt** M8

Silver contacts.



131590 Solenoid

Replacing: 8133925; 1114514; -5; -7; -8; -24; -26; -29; -30; -31; -57; -62; -64; -66; -69; -71; d913a; d984; -7

Servicing: 5MT, 22MT. 10455001; -4; -6; -7; -8; -9; -15; -16; -17; -18; -19; -20; -21; -22; -23; -24; -44; -45;

V. 12, **B+** M10, **Coil bolt** 3/8" UNC

Grounded base. Cap: Cargo 137809.



132272 Solenoid

Replacing: 9339331001; 32688-1; 1965279

Servicing: MOK12-1

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 132723.



132696 Solenoid

Replacing: 1114322; 1115512; -3; -43; -83; 1119855; -8; -88; -988

Servicing: 30MT. 1107607; -8128; -8151; -8629; -8652; -8668; -9758; -9996; -13135; -13148; -13162; -13163; -131

V. 24, **B+** M8, **Coil bolt** M8

Insulated base. Cap: Cargo 232216.



132944 Solenoid

Replacing: 10497275; d922a; -36a; zm-861; 10467421; 10468962

Servicing: PG100, 150. 09000756; 21020892; -3; -1366; -1648; 9000719; -35; -51; -58; -62; -63; -73; -75; -76; -

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 139429. Moving contact: Cargo 139430.



133060 Solenoid

Replacing: 1115517; -55; -58; -63; -64; 1119872; -8

Servicing: 40MT. 1109773; -831; -973; -983; -13371; -13372; -13375; -13546; -13587; -13953; -13984; -14740; -14

V. 24, **B+** 1/2"UNC, **Coil bolt** 1/2"UNC

Cover: Cargo 131368. W/ reverse terminal. Square silver contacts.



133814 Solenoid

Replacing: 1114293; -8; -327; -338; -373

Servicing: 22MT, 27MT. 1107555; -9; -72; -8250; -9140; -13591; -13594; -13596; -13600; 1998351; -409; -426; -45

V. 24, **B+** M10, **Coil bolt** M10

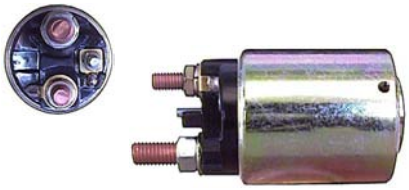
Isolated buttom.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



133852 Solenoid

Replacing: 10457055; d930a; 0-47100-4270; zm-805
Servicing: 28MT. 10479604; -15; -19; 1113273; -4; -5; -6; -8; -9; -80; -81; -82; -84; -86; -87; -89; -90; -97
V. 12, **B+** M10, **Coil bolt** M8
Cap: Cargo 134841. Switch terminal: M5.



135461 Solenoid

Servicing: PG200PMGR, PG250PMGR. 9000796
V. 12, **B+** M10, **Coil bolt** M8
w/ 3 M5 mounting holes. Cap: Cargo 139432.



135521 Solenoid

Replacing: 10457116; zm-810; 0-47100-4220
Servicing: 28MT. 10479605; -12; 1113277; -91
V. 24, **B+** M10, **Coil bolt** M8
Cap: Cargo 138898. Switch terminal: M5.



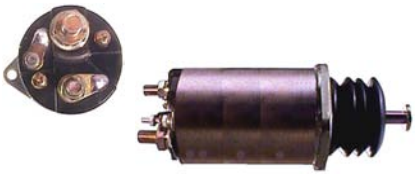
137339 Solenoid

Replacing: 1114580; -1; zm-1862; 10467985
Servicing: PG200, -250.
V. 12, **B+** M10, **Coil bolt** M8
Cap: Cargo 233820. 10 mm. battery.



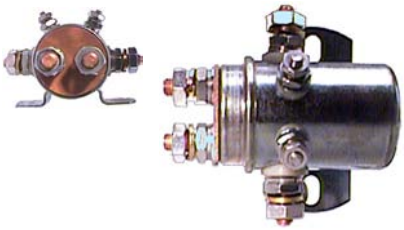
137370 Solenoid

Replacing: 1114583; zm-1860
Servicing: PG260FI, PG260M. 9000821; -2; -40
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 232226.



137811 Solenoid

Replacing: 10456454; zm-806; 0-47100-4100; -60; -390
Servicing: 28MT. 1113269; -70; -95; -96
V. 12, **B+** M10, **Coil bolt** M8
Cap: Cargo 137824.



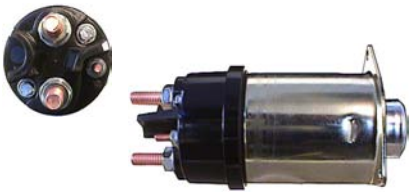
138068 Solenoid

Replacing: 1114223; -534; 15-323; -86; so51189; SBD-4201A; -G
V. 12, **Amp.** 200, **B+** M8, **Intermittent load** 900, **Seconds** 5, **Coil bolt** M8
Silver contact.



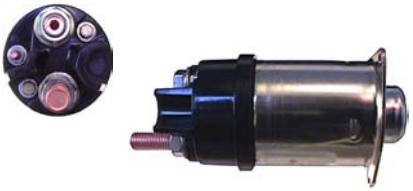
138217 Solenoid

Replacing: 10475646; -54; zm-860; 1114587; zm-86096
Servicing: PG260. 10455513; 9000775; -86; -98; -805; -806; -812; -819; -820; -833; -834
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 138409. Moving contact: Cargo 138410.



138591 Solenoid

Replacing: 1115589; zm-450
Servicing: 37MT. 1990311; -2; -8; -21; -22; -26; -27; -36; -3709; -3712; -3719; -3726; -3728; -3746
V. 12, **B+** M10 3/8"-16, **Coil bolt** M10 3/8"
Cap: Cargo 232013. Terminal: 10-32.



139209 Solenoid

Replacing: 1115609; d904a; e7hz11390b; sw2157; zm-452
Servicing: 37MT. 10478806; -9036; -9068; 1990309; -10; -13; -15; -16; -17; -20; -498; -3705; -3713; -3736; -373
V. 12, **B+** 1/2"UNC, **Coil bolt** 1/2"UNC
Cap: Cargo 232014. Switch terminal: 10-32 UNF.



139337 Solenoid

Replacing: 1115597; -600; d903a; zm-462
Servicing: 42MT. 10478836; -92; -93; -979; 1990381; -411; -414; -416; -3822; -3827; -3996; -3998; -3999
V. 24, **B+** 1/2"UNC, **Coil bolt** 1/2"UNC
Cap: Cargo 232034.



230186 Safety Switch

Replacing: 10457367; 0-25000-7780; -930; ZM-2409
Servicing: 28MT. 10479627

24V.



230198 Solenoid

Replacing: 3e7859; 1115619; -21; -40; d915a; -31a; zm-460
Servicing: 37MT. 10478814; -7; -925; 1993901; -2; -3; -5; -9; -10; -11; -14; -19; -26; -72
V. 24, **B+** ½" - 13, **Coil bolt** ½" - 13
Cap: Cargo 232026. Silver contact.



231251 Solenoid

Replacing: 10457115; -52; zm-811; -2
Servicing: 28MT. 10479600; -8; -16; -29; 1113272
V. 24, **B+** M8, **Coil bolt** M8
Cap: Cargo 233461. Silver contact. Dummy terminal: M5. Relay terminal: M5.



231800 Solenoid

Replacing: 10457368; zm-815; 231800N; 610294
Servicing: 28MT. 10479626
B+ M10, **Coil bolt** M8
Relay terminal: M5.



231819 Solenoid

Replacing: 10457369; 0-47100-4420
Servicing: 28MT.
V. 24, **B+** M10, **Coil bolt** M8
Relay terminal: M5. Cap: Cargo 232203.



231912 Solenoid

Replacing: 1115598; zm-457
Servicing: 42MT. 10478918; -65; -77; -84; -85; -91; -9003; 1990369; -74; -80; -96; -401; -407; -419; -448; -450
V. 12, **B+** M14-1.5, **Coil bolt** M14-1.5
Cap: Cargo 232032.



231913 Solenoid

Replacing: 1115623; d917a; zm-2452
Servicing: 37MT. 10478805; -927; -928; -929; -930; -957; -9014; -9015; -9034; -9054; 1993851; -94; -956; -957;
V. 12, **B+** M14, **Coil bolt** M14
Cap: Cargo 232025.



231914 Solenoid

Replacing: 1115610; sw-2114; zm-453; sw2114
Servicing: 37MT. 1993767; -854
V. 12, **B+** M14, **Coil bolt** M14
Cap: Cargo 232028.



231915 Solenoid

Replacing: 1115612; d905a; zm-454
Servicing: 37MT. 1993790; -1; -2; -3; -9; -800; -818; -854
V. 12, **B+** M10, **Coil bolt** M10
Cap: Cargo 232029.



231916 Solenoid

Replacing: 1115618; d923a; zm-455
Servicing: 37MT. 10461169; -78953; -79035; -79069; 1993947; -69; -70; -74; -97
V. 12, **B+** M14, **Coil bolt** M14
Cap: Cargo 232030.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



231917 Solenoid

Replacing: 1115624; d918a; zm-2456
Servicing: 42MT. 10478931; -2; -3; -4; -5; -6; -51; -87; -9004; -9005; -9006; -9007; -9017; -9052; 1993934; -5;
V. 12, **B+** M14, **Coil bolt** M14
Cap: Cargo 232031. Jump start protection cap.



231918 Solenoid

Replacing: 1115602; d900a; zm-458
Servicing: 42MT. 10479072; 1990423; -4; -7; -8; -9; -3975
V. 12, **B+** M14, **Coil bolt** M14
Insulated base. Silver contacts.



231919 Solenoid

Replacing: 1115622; -7; d916a; -21a; zm-2460
Servicing: 37
10478811; -9; -960; -976; -9020; 1993917; -8; -20; -21; -30; -53; -54; -55; -86
V. 24, **B+** M14-1.5, **Coil bolt** M14-1.5
Dummy terminal: 10-32. Jump start protection cap. Silver contacts. Cap: Cargo 232027.



231920 Solenoid

Replacing: 1115625; d919a; zm-2461
Servicing: 42MT. 10478937; -8; -9; -40; -41; -42; -43; -44; -46; -47; -48; -52; -88; -9008; -9009; -9010; -9011
V. 24, **B+** M13-½", **Coil bolt** M13-½"
Jump start protection cap. Silver contacts. Cap: Cargo232033.



231921 Solenoid

Replacing: 1115643; d942a; zm-463
Servicing: 37MT. 10478890; -921
V. 12, **B+** M14, **Coil bolt** M14
Cap: Cargo 232035.



231922 Solenoid

Replacing: 1115641; d939a; dr939a; zm-464
Servicing: 41MT. 10478898; -9024; -9043; -9079
V. 24, **B+** M14, **Coil bolt** M14
Cap: Cargo 232036.



231923 Solenoid

Replacing: 1115638; -9; a920; zm-465
Servicing: 41MT. 10478812; -8; -97; -926; -999; -9023; -9060; -9061; -9165; -9215
V. 12, **B+** M14, **Coil bolt** M14
Cap: Cargo 232026.



231924 Solenoid

Replacing: 1115596; zm-466; E6HZ11390A
Servicing: 37MT. 1990347
V. 12, **B+** M14-1.5, **Coil bolt** M10
Cap: Cargo 232037.



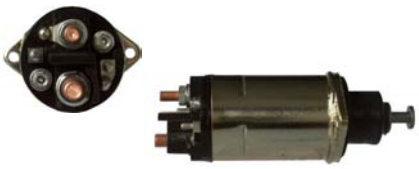
231925 Solenoid

Replacing: 1115617; d924a; zm-467; 028300-4030
Servicing: 37MT. 1993866; -971
V. 12, **B+** M14-1.5, **Coil bolt** M14-1.5
Insulated base. Cap: Cargo 232038.



231926 Solenoid

Replacing: 1115634; zm-468
Servicing: 41MT. 10478815; -961; -9013; -9172; 1993995
V. 24, **B+** M14-1.5, **Coil bolt** M14-1.5
Cap: Cargo 232039.



231927 Solenoid

Replacing: 10457061; -151; d937a; zm-808; -9; 10457601
Servicing: 28MT. 10479606; -7; -13; -14; -15; -17; -18; -20; -28; -48; 1113271; -83; -85; -88
V. 12, **B+** M10, **Coil bolt** M8
Relay terminal: M5.



231928 Solenoid

Replacing: 10457123; zm-813
Servicing: 28MT. 10479611
V. 24, **B+** M10, **Coil bolt** M8
Switch terminal: UNC 8-32.



231929 Solenoid

Replacing: 10476117; zm-864; 10482844
Servicing: PG150S. 10455506; 21020761; 9000794; 96208782; -5
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 232052.



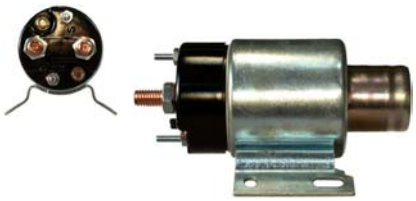
232218 Solenoid

Replacing: 1115541; -30; -84
Servicing: 35MT ext. rotatable. 1113389; -91; -92; -96; -97; -99; -400; -401; -404; -405; -412; -416; -417; -41
V. 12, **B+** M10, **Coil bolt** M10
Grounded base. Cap: Cargo 232217.



232219 Solenoid

Replacing: 1114576; -84; d946a; 8-10469039-0
Servicing: SD205, -255. 10455010; -1; -2; -3; -25; -26; -42; -47; -48; -51; -53; -54; -60; -61; -64; -65; -66;
V. 12, **B+** M8



232221 Solenoid

Replacing: 1115582; 1119883; d953; -85; C6TZ11390A
Servicing: 30MT 1113001; -6; -34; -38; -40; -49; -50; -52; -53; -56; -81; -104; -106; -165; -302; -303
V. 12, **B+** M10, **Coil bolt** M10
Cap: Cargo 232222.



233133 Solenoid

Replacing: 10498715; m371x56971
Servicing: 5MT. 10455706; -65038; 1998518; -45; M1T50271; -371; -671
V. 12, **B+** M10, **Coil bolt** M8



233343 Solenoid

Replacing: 1115561; 1119862
Servicing: 40MT. 1113379; -4733; -4744; -4746; -4747; -4789; -4826; -4829; -4830; -4831; -4833; -4902; -4965; -
V. 12, **B+** M14-1.15, **Coil bolt** M14-1.5
Insulated base.



233762 Solenoid

Servicing: tm000a23501
V. 12, **B+** M8, **Coil bolt** M8



233869 Solenoid

Replacing: 1115663
Servicing: 42MT.
V. 24, **B+** M14-1.25, **Coil bolt** M14-1.25
Insulated return.



233873 Solenoid

Replacing: 1115668; -7; -73
Servicing: 42MT.
V. 24, **B+** M14-1.25, **Coil bolt** M14-1.25
Insulated base. Cap: Cargo 232196.



234163 Safety Switch

Replacing: 10484662
Servicing: 28MT. 0-23000-2400; 10479637

12V.



234476 Solenoid

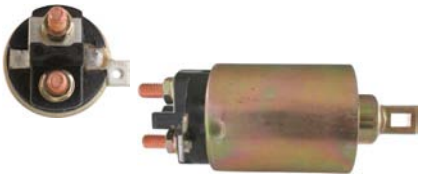
Replacing: 1115712
Servicing: 42MT.
V. 12, **B+** M14, **Coil bolt** M14

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



235006 Solenoid

Replacing: 1114578; -82; 10469039
Servicing: 10455010; -1; -2; -3; -25; -26; -42; -47; -48; -51; -53; -54; -60; -61; -70; -76; 21020892; -3; -13
V. 12



235167 Solenoid

Servicing: Cap: Cargo 235403. 00e091; 112161; cer3087
V. 12, **B+** M8, **Coil bolt** M8



235444 Switch

Replacing: 10457565; 10477892; 10483614; ; 120483614
Servicing: 10479026; -7; -8; -30; -40; -41
V. 12

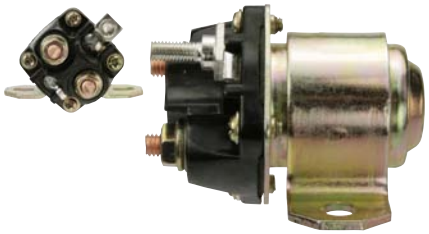


235609 Solenoid

Replacing: 10511408
Servicing: 10461334; -753; -755; -757; -760; -773; -777; 19011505; -6; -8; -10; -13; -14; -15; -16; -17; -18;
V. 12, **B+** M12, **Coil bolt** M8

235641 Solinoid

Replacing: 1115679
V. 24



235699 Safety Switch

Replacing: 10511414
Servicing: 19011506; -8; -10; -13; -14; -15; -16; -17; -18; -19; -21; -25; -26; -31; 8200037; -8; -40; -58; -8

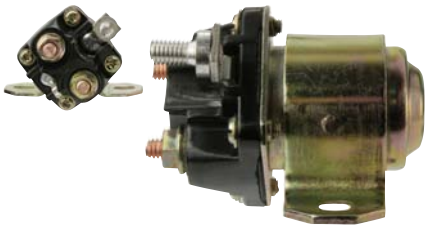


235758 Solenoid

Replacing: 10511409;
Servicing: 10461754; -6; -8; -9; 19011507; -9; -11; -12; -22; -23; -24; -27; 8200009; -22; -27; -29; -32; -34;
V. 24

236315 Solenoid

Servicing: 110566
V. 12, **B+** M8, **Coil bolt** M8



237835 Safety Switch

Replacing: 10511415; -369
Servicing: 19011501; -7; -9; -11; -12; -22; -23; -24; -27; 8200009; -22; -39; -86; 82011041; 8211041; M9T80472



237845 Solenoid

Replacing: 10514696; 10515696; 10511799; m373x07671
Servicing: 39MT. 19011501; M9T80472; -2479
V. 24, **B+** M12, **Coil bolt** M12



238373 Solenoid

Servicing: OK24018400
V. 12, **B+** M8, **Coil bolt** M8



238620 Solenoid

Servicing: 96430345; 96550792
V. 12, **B+** M8, **Coil bolt** M8

Solenoid Parts

Coils



131058 Solenoid Cap

Replacing: 1876849; 1880449; 1893477; 1901272; 1902610; 1906493; 1945400; 1953242; 1957789; 1961463; 1967330

Servicing: 40MT, 50MT.

No. of leads 2

24V. Silver contact.



131367 Repair Kit

Replacing: 1979634

Servicing: 40MT, 50MT. 1115556; C3TZ11390A; e1hz11390a

O.D. 100.30

12V. Squareface. Silver contact.



131368 Solenoid Cap

Replacing: 1979413; -58; -98; 133061

Servicing: 40MT, 50MT. 1115559

O.D. 98.00

24V. Silver contact. Squareface. Moving contact: Cargo 132952.



132877 Plunger Boot

Replacing: 1962601; 1987373

Servicing: 10MT, 20MT, 25MT, 27MT. 10455324; -5; -7; -31; -500; 1107295; -7; -308; -335; -343; -397; -398; -582

O.D. 89.85, **L.** 89.00, **Lever** w/o

Assort. 803015

Pkg 5



133461 Plunger Boot

Replacing: 1942257; 801077

Servicing: 30MT, 40MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78807; -78808; -78813; -78828; -78830;

O.D. 37.35, **L.** 67.40, **Lever** w/o

Assort. 803015

Pkg 5



134429 Plunger Boot

Replacing: 1985243; 1988776

Servicing: 37MT, 41MT, 42MT. 10478801; -2; -3; -4; -5; -6; -9; -10; -11; -12; -14; -15; -17; -18; -19; -20; -24

Assort. 803015

Pkg 5



138410 Moving Contact

Servicing: PG260. 1114583

L. 31.75, **W.** 16.25

Solenoid: Cargo 138217.

Pkg 5



139836 Moving Contact

Servicing: 28MT.

Th. 4.10, **W.** 31.00



230407 Solenoid Clamp

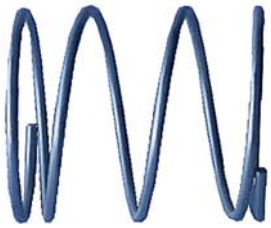
Replacing: 10470161

Servicing: SD210. -260. 10455010; -1; -2; -3; -25; -26; -42; -47; -48; -51; -53; -54; -60; -61; -67

I.D. 6.75, **Th.** 1.55, **Dist. btw mount. holes** 65.45

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



230430 Plunger Spring

Replacing: 1958679; 1978281; e4fz11103a; SZ799

Servicing: 5MT, 10MT, 15MT/GR, 20MT, 22MT, 25MT, 27MT. 10455001; -4; -6; -7; -8; -9; -15; -16; -17; -18; -19; -

O.D. 44.35, **L.** 51.85



232986 Plunger Spring

Replacing: 1948521

Servicing: 30-50MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78801; -78802; -78803; -78804; -78805; -7

O.D. 35.70, **L.** 75.35

Solenoid Caps



130488 Solenoid Cap

Replacing: 130488

Servicing: 3471144; -694; dr901

O.D. 54.00, **No. of leads** 4

Moving contact: Cargo 132322.



130489 Solenoid Cap

Replacing: zm-55691; 130489

Servicing: 3471693; -6; dr902

O.D. 53.80, **No. of leads** 4

Moving contact: Cargo 132322.



130497 Solenoid Cap

Replacing: zm-55191; 130497

Servicing: 5MT, 10MT, 20MT, 25MT.

O.D. 66.60, **No. of leads** 4



130498 Solenoid Cap

Replacing: 130498

Servicing: 30MT. 1115540

O.D. 62.50, **No. of leads** 4



131057 Solenoid Cap

Replacing: 1958218

Servicing: 40MT.

No. of leads 2

12V. Silver contact.



133180 Solenoid Cap

Replacing: zm-155791; 133180

O.D. 56.65, **No. of leads** 4

Moving contact: Cargo 132146. Low type.



133181 Solenoid Cap

Replacing: zm-55591; 133181

Servicing: 3471725

O.D. 54.65, **No. of leads** 3

Moving contact: Cargo 132146. Low type.



134841 Solenoid Cap

Servicing: 28MT. 10457055

O.D. 56.75, **No. of leads** 3

M - M8. S- M5.

Pkg 5



135323 Solenoid Cap

Replacing: zm-45896; -87; 135323

Servicing: 37MT, 42MT. 1115560; -94; -95; -97; -608

O.D. 76.25, **No. of leads** 4

24V. Silver contact.

Pkg 5



135324 Solenoid Cap

Replacing: zm-45696; 135324
Servicing: 42MT. 1115593; e6hz11390b; -c
O.D. 76.60, **No. of leads** 4
12V.



137809 Solenoid Cap

Servicing: 5MT, 22MT. 1114514; -24
O.D. 65.80, **No. of leads** 4
Solenoid: Cargo 131590.



137810 Solenoid Cap

Replacing: zm-45196; -87; 137810
Servicing: 37MT. 1115591
O.D. 76.50, **No. of leads** 3



137824 Solenoid Cap

Servicing: 28MT. 10456454
O.D. 56.90, **No. of leads** 3
M - M8. S- M4.

Pkg 5



138409 Solenoid Cap

Servicing: PG260. 10475646
O.D. 49.90, **No. of leads** 3
Crimp type.



138898 Solenoid Cap

Servicing: 28MT. 0-47100-3110; 10457116
O.D. 56.85, **No. of leads** 3
Terminal: M5.



139429 Solenoid Cap

Servicing: PG100, 150. 10469039; 1114578; -82
O.D. 49.20, **No. of leads** 3
Crimp type.



139432 Solenoid Cap

Servicing: 23544; 23544H; A2T26391; A4T03392; -492
O.D. 49.32, **No. of leads** 3
Crimp type.



232014 Solenoid Cap

Replacing: zm-45287; -96; 232014
Servicing: 37MT. 1115609; E7HZ11390B
O.D. 76.50, **No. of leads** 3
Terminal 50: 0.5"-13 w/ 0.25"-20 internal thd.
Terminal: 10.32.



232025 Solenoid Cap

Replacing: zm-645287; -96; 232025
Servicing: 37MT. 1115623; d917a
O.D. 76.75, **No. of leads** 4
Dummy terminal: 10-32.

Pkg 5



232027 Solenoid Cap

Replacing: zm-246087; -96; zm-646096; 232027
Servicing: 37MT. 1115622; -7; D916A; -21A
O.D. 76.30, **No. of leads** 4
Silver contacts.

Pkg 5



232028 Solenoid Cap

Replacing: zm-45387; -96; 232028
Servicing: 37MT. 1115610; d905a
O.D. 76.15, **No. of leads** 3

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



232029 Solenoid Cap

Replacing: zm-45487; -96; 232029
Servicing: 37MT. 1115612
O.D. 76.80, **No. of leads** 3

Pkg 5



232030 Solenoid Cap

Replacing: zm-45587; -96; 232030
Servicing: 37MT. 1115618; d923a
O.D. 76.35, **No. of leads** 4

Pkg 5



232031 Solenoid Cap

Replacing: zm-245687; -96; 232031
Servicing: 42MT. 1115624; d918a
O.D. 76.35, **No. of leads** 4



232032 Solenoid Cap

Replacing: zm-45787; -96; 232032
Servicing: 42MT. 1115598
O.D. 76.45, **No. of leads** 4

Pkg 5



232033 Solenoid Cap

Replacing: zm-646187; -96; 232033
Servicing: 42MT. 1115625; d919a
O.D. 76.25, **No. of leads** 4

Pkg 5



232034 Solenoid Cap

Replacing: zm-46287; -96; 232034
Servicing: 42MT. 1115597; -600; d903a
O.D. 76.65, **No. of leads** 4

Pkg 5



232035 Solenoid Cap

Replacing: zm-46387; -96; 232035
Servicing: 37MT. 1115643; d942a
O.D. 76.65, **No. of leads** 4



232036 Solenoid Cap

Replacing: zm-46487; -96; 232036
Servicing: 41MT. 1115641; d939a
O.D. 76.45



232037 Solenoid Cap

Replacing: zm-46687; 232037
Servicing: 37MT. 1115596
O.D. 76.60, **No. of leads** 3



232038 Solenoid Cap

Replacing: zm-46787; -96; 232038
Servicing: 37MT. 1115617; d924a
O.D. 76.80, **No. of leads** 4



232039 Solenoid Cap

Replacing: zm-646887; -96; 232039
Servicing: 41MT. 1115634
O.D. 76.55, **No. of leads** 4
Silver contacts.



232052 Solenoid Cap

Servicing: PG260S. 10476117
O.D. 49.30, **No. of leads** 3, **Bracket type** Crimp



232203 Solenoid Cap

Servicing: 28MT. 10457369
O.D. 57.00, **No. of leads** 4



232217 Solenoid Cap

Servicing: 1115541; -84
O.D. 62.00, **No. of leads** 4
Solenoid: Cargo 232218.



232226 Solenoid Cap

Replacing: 10478008; zm-186096
Servicing: PG260F1. 1114583; 9000821; -2
O.D. 49.65, **No. of leads** 4
Crimp style. Solenoid: Cargo 137370.



233461 Solenoid Cap

Servicing: 28MT.
O.D. 55.00, **No. of leads** 3
Solinoid: cargo 231251.

233820 Solenoid Cap

Servicing: PG200, -250.
No. of leads 4
B+ terminal: M10.



234926 Solenoid Cap

O.D. 53.35, **No. of leads** 3

Pkg 5



235403 Solenoid Cap

Servicing: 112161
No. of leads 3

Moving Contacts

Pkg 5



132322 Moving Contact

Th. 2.45, **Shaft** 36.00, **Material** Steel
Solinoid: Cargo 130963, 131119. Silver plated. Long type.
Assort. 803035



132952 Moving Contact

Replacing: 1954861; 1977264; 1967335
Servicing: 40MT, 50MT.
Th. 3.10, **Shaft** 56.00, **Material** Steel
12/24V.

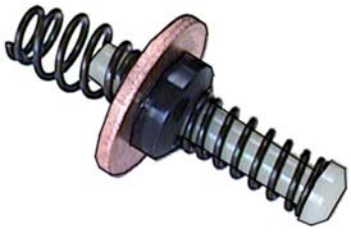
Pkg 5



133146 Moving Contact

Servicing: 3471697; DR725; -903; -904
L. 32.00, **Th.** 2.40, **W.** 16.00, **Shaft** 32.00, **Material** Copper
Solenoid: Cargo 131272, 131273. Short type.
Assort. 803035

Pkg 5



139430 Moving Contact

Servicing: PG200, -250, SD210, -260.
Th. 2.00, **Shaft** 26.00/1.024", **Material** Copper

Pkg 5



139431 Moving Contact

Servicing: SD210. -260.
L. 34.4/1.354", **Th.** 2.00, **W.** 12.70/1/2", **Shaft** 26.00/1.024", **Material** Copper

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



232910 Moving Contact

Replacing: 1978337

Servicing: 5MT, 10MT, 27MT. 10455044; -5; -6; -9; -52; -55; -58; -69; -300; -301; -305; -306; -312; -314; -315;

Th. 2.50/0.098", **Shaft** 31.50/1.240", **Material** Steel

Pkg 5



232911 Moving Contact

Replacing: 1956226

Servicing: 5MT, 8MT, 10MT, 20MT, 22MT, 27MT. 1107302; -6; -7; -8; -10; -11; -12; -13; -14; -15; -16; -17; -20;

Th. 2.30, **Shaft** 41.00, **Material** Steel

Pkg 5



233396 Moving Contact

Replacing: 1985295

Servicing: 37MT, 41MT, 42MT.

L. 53.70, **Shaft** 44.00, **Material** Steel

Silver plated.

Pkg 10



235404 Moving Contact

Servicing: 110397; -2161

L. 54.78, **Th.** 2.38, **W.** 28.00, **Shaft** 37.50

Fixed Contacts

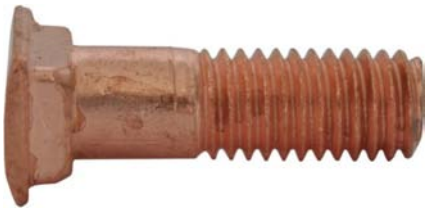
Pkg 10



133576 Fixed Contact

Collar L. 18.20, **L.** 20.50, **Thread** M8
Assort. 803035

Pkg 10



133577 Fixed Contact

Servicing: 3471561

Collar L. 23.45, **L.** 28.70, **Thread** M8
Assort. 803035

Pkg 10

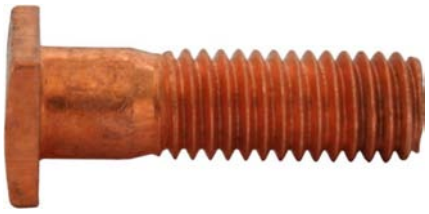


133578 Fixed Contact

Replacing: 14652-w1700; 133578

Collar L. 31.20, **L.** 33.50, **Thread** M8
Assort. 803035

Pkg 10



133579 Fixed Contact

Collar L. 27.50, **L.** 29.00, **Thread** M8
Assort. 803035

Plungers



130521 Plunger

Replacing: 1942250

Servicing: 30MT, 35MT. 1113059; -89; -90; -100; -101; -111; -113; -114; -115; -119; -121; -124; -126; -130; -13

L. 127.40, **Lever** w/o



130522 Plunger

Replacing: 1945480; 1948522

Servicing: 40MT, 50MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78807; -78808; -78813; -78827; -78828;

O.D. 30.00, **L.** 134.30, **Lever** w/o



132735 Plunger

Replacing: 10470783; 1932200; 1941113; 1953041
Servicing: 5MT, 10MT, 20MT, 22MT, 25MT, 27MT. 10455308; -9; -10; -11; -22; -35; -43; -44; -45; -46; -500; -600;
O.D. 30.35, **L.** 74.00, **Lever** With
Long type.



132736 Plunger

Replacing: 10470764; -77; 1978297; 1987391
Servicing: 5MT, 8MT, 10MT, 15MT, 20MT, 22MT, 27MT. 10455001; -4; -6; -7; -8; -9; -15; -16; -17; -18; -19; -20;
O.D. 27.85, **L.** 66.10, **Lever** With
Short type.



133022 Plunger

Replacing: 1988775; -139
Servicing: 37MT, 41MT, 42MT.
O.D. 31.60, **L.** 132.25, **Lever** w/o



134835 Plunger

Replacing: 1851966
Servicing: 30MT, 35MT. 1113216; -7; -8; -22; -28; -29; -31; -32; -33; -34; -35; -36; -37; -42; -43; -44; -45; -
O.D. 31.60, **L.** 136.85, **Lever** w/o



135462 Plunger

Replacing: 10473793; 10495984; 1989220
Servicing: PMGR series. 10455010; -1; -2; -3; -25; -26; -42; -47; -48; -51; -53; -54; -60; -61; -67; -70; 90007
O.D. 23.85, **L.** 76.00
W/ spring.

Locks

Pkg 10



233418 Nut

Replacing: 9412305
Servicing: 35MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78801; -78802; -78803; -78804; -78805; -7880
O.D. 1/2", **Thread** 5/16"-24
Nylon insert.

Pkg 10



233420 Nut

Replacing: 805258
Servicing: 30MT, 35MT. 1007003; 1107001; -2; -4; -5; -6; -7; -8; -9; -12; -13; -14; -15; -16; -17; -18; -19; -2
O.D. 15.50, **Thread** M8

Gaskets

Pkg 5



132312 Gasket

Replacing: 3471483; dr1903
Servicing: 3471143; dr901; -2; -3
L. 79.80, **Th.** 11.80, **W.** 67.00, **Material** Rubber
Solenoid: Cargo 130963, 131119, 131272.

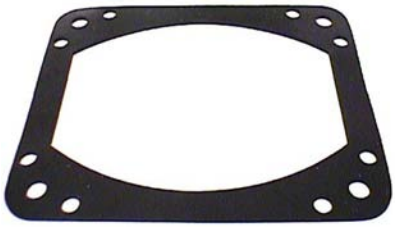
Pkg 5



135641 Gasket

Replacing: 1906053; 1950111
Servicing: 40MT, 50MT.
Th. 1.45

Pkg 5



135643 Gasket

Replacing: 1979384; 10496037
Servicing: 40MT, 50MT.
Th. 1.40, **Material** Rubber

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



139660 Gasket

Replacing: 1952427

Servicing: 20MT, 22MT, 25MT, 27MT. 10455310; -2; -6; -9; -20; -21; -37; -45; 1107194; -203; -229; -249; -251; -

L. 88.45, **Th.** 4.00, **W.** 76.55, **Material** Rubber

Pkg 5



234889 Rubber Gasket

Servicing: 110397; -2161

Material Rubber

Screws

Pkg 10



232993 Screw

Replacing: 10475635

Servicing: PG260F2, PG260M. 9000786; -98; -805; -806; -812; -819; -820; -821; -822; -834; PG260F2; PG260M

Thread L. 11.00, **L.** 15.65, **Thread** M5-1.25

Pkg 10



233411 Screw

Replacing: 132255; 9413260

Servicing: 5MT, 10MT, 15MT, 20MT, 22MT, 25MT, 27MT. 10455001; -4; -6; -7; -8; -9; -15; -16; -17; -18; -24; -45;

Thread L. 15.50, **L.** 20.40, **Thread** 1/4"-20 UNF

Pkg 10



233416 Screw

Replacing: 1930611

Servicing: 30MT, 35MT. 1009812; 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78807; -78808; -78813; -78827

Thread L. 5/16", **L.** 15.45, **Thread** 1/4"-20

Various



232216 Solenoid Cap

No. of leads 4

Drives



130465 Drive

Replacing: 3471490; -912; dr2000; -3; 1.01.0243.0; 1203165

Servicing: 3471141; -3; -4; -50; -52; -53; -54; -55; -62; -63; -64; -65; -68; -69; -70; -71; -72; -73; -74; -7

O.D. 25.80, **I.D.** 12.00, **L.** 65.50,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



130536 Drive

Replacing: 2095122; -397; 2444651; -8; 3755085; 4094174; ch1920; -2; -5; -7; 3874045; c2001; 480438; 1.01.0050.

Servicing: 2095397; 2444658

O.D. 33.10, **I.D.** 12.00, **L.** 75.20,
No. of teeth 10, **Splines** 6, **Rotation** CR,
Drive type Steel
7°



130537 Drive

Replacing: 10456422; 10470757; 1828393; 1875687; 1935827; -9; 1945842; 1946229; 1954842; -3; 1965538; -723; -92

Servicing: 10MT. 10455300; -1; -5; -6; -8; -9; -10; -11; -12; -15; -35; -43; -44; -45; -46; -603; 1107233; -7;

O.D. 25.20, **I.D.** 12.00, **L.** 81.00,
No. of teeth 9, **Splines** 3, **Rotation** CR,
Drive type Steel



130538 Drive

Replacing: 2525287; 10498623; 1852716; 1868355; 1876857; 1877355; 1933471; 1941119; -57; 1942950; 1950058; 1964

Servicing: 30MT. 10455316; -26; -31; -34; -37; -78830; 1107214; -34; -49; -90; -91; -300; -382; -511; -512; -51

O.D. 39.85, **I.D.** 14.30, **L.** 96.15, **No. of teeth** 10, **Splines** 3, **Rotation** CR, **Drive type** Steel



130539 Drive

Replacing: 852962; 1p2508; 1894211; 1935487; 1945487; 1952083; 1955777; 1960370; 1967779; 1976884; 800066; 8306

Servicing: 40MT, 42MT, 50MT. 10461041; -5; -7; -8; -78800; -78802; -78807; -78808; -78809; -78810; -78813; -788

O.D. 56.50, **I.D.** 15.90, **L.** 120.40, **Shaft L.** 15.90/5/8", **No. of teeth** 11, **Splines** 19, **Rotation** CR, **Drive type** Bronze



130540 Drive

Replacing: 329679; d2107; 10498438; 1851430; 1875802; -52; 1877353; -4; 1932308; -890; 1934488; 1940134; -8; 19

Servicing: 35MT. 1107251; -343; -344; -510; -527; -534; -538; -548; -553; -567; -581; -587; -600; -875; -8652;

O.D. 46.15, **I.D.** 14.02, **L.** 96.00, **Shaft L.** 14.00, **No. of teeth** 12, **Splines** 3, **Rotation** CR, **Drive type** Steel



130541 Drive

Replacing: 2s3344; 1894220; 1946174; 1964174; 1979836; 800075; 10060; 1.01.0556.0; 6004

Servicing: 50MT. 10478846; -53; 1109294; -9; -633; -635; -641; -644; -793; -794; -832; -835; -969; -989; -13867

O.D. 56.20, **I.D.** 16.00, **L.** 169.90, **Shaft L.** 15.90/5/8", **No. of teeth** 11, **Splines** 19, **Rotation** CR, **Drive type** Bronze



130542 Drive

Replacing: 5s6372; 1894221; 1967952; 1977013; 1979835; 800077; 10061; 1.01.0555.0

Servicing: 30MT, 50MT. 10478862; 1109494; -7; -632; -757; -779; -792; -849; 1990232; -40; -47; -3781

O.D. 46.00, **I.D.** 16.00, **L.** 169.00, **No. of teeth** 12, **Splines** 19, **Rotation** CR, **Drive type** Bronze

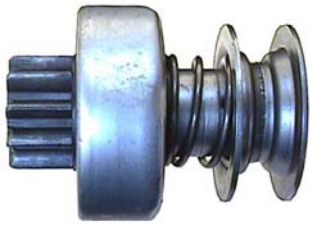


131056 Drive

Replacing: 1893560; 1894213; 1936647; 1946945; -57; 1948606; 1965514; 1970711; 1977005; 800068; 851073; 852762;

Servicing: 40MT, 42MT, 50MT. 10461046; -60; -61; -78803; -78804; -78860; -78864; -78869; -78903; -78918; -78931

O.D. 46.20, **I.D.** 15.90, **L.** 120.40, **Shaft L.** 15.90/5/8", **No. of teeth** 12, **Splines** 19, **Rotation** CR, **Drive type** Bronze



131429 Drive

Replacing: 1893443; -5; 1975194; 1985564; d2027; -35; 10613; -31

Servicing: 25MT. 1109212; -3; -4; -5; -6; -8; -9; -495; -563; -13484; -13589; -13590; -13591; 1998401; -9; -42;

O.D. 32.00, **I.D.** 14.30, **L.** 80.80, **No. of teeth** 10, **Splines** 3, **Rotation** CR, **Drive type** Steel



131481 Drive

Replacing: 1985262; 1987211; 10640; 1.01.0624.0; 1.01.0858.0; 6036

Servicing: 37MT. 10461169; -78805; -78811; -78825; -78826; -78927; -78949; -78960; -79014; -79034; 1990310; -3;

O.D. 46.35, **I.D.** 14.35, **L.** 99.55, **Shaft L.** 98.00, **No. of teeth** 12, **Splines** 3, **Rotation** CR, **Drive type** Steel



131766 Drive

Replacing: 850363; -758; 852758; -957; 4n4517; 1914341; 1921998; 1928998; 1932526; -45; -605; 10648; e480410; 5

Servicing: 40MT. 1108987; -9158; -9169; -9170; -9172; -9178; -9184; -9229; -9230; -9233; -9235; -9236; -9249; -

O.D. 46.30, **I.D.** 19.00/3/4", **L.** 120.40/4.740", **Shaft L.** 19.00/0.748", **No. of teeth** 12, **Splines** 19, **Rotation** CR, **Drive type** Bronze

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



131767 Drive

Replacing: 9001453670; 850674; -764; 852759; -958; 1846089; 1946089; 830622; 480217; -324; e480324; 1.01.0491.1

Servicing: 40MT, 50MT. 0001370001; 1113385; -408; -445; -474; -533; -693; -4195; 9000453029; -66; B001851001; M

O.D. 38.80, **I.D.** 15.90/5/8", **L.** 120.40, **No. of teeth** 10, **Splines** 19, **Rotation** CR, **Drive type** Steel



131768 Drive

Replacing: 2006202001; -3; 850629; -760; 852760; -959; 1918079; 1932031; 1985129; d2021; 10647; 480320; e480320

Servicing: 40MT. 0001370002; 0001420002; -6; -7; -8; -10; -11; -26; -27; -1007; -1009; -1010; 1108894; -5; -923

O.D. 56.50, **I.D.** 19.00/3/4", **L.** 120.40/4.740", **Shaft L.** 19.00/0.748", **No. of teeth** 11, **Splines** 19, **Rotation** CR, **Drive type** Steel



131769 Drive

Replacing: 10499854; 1852410; -970; 1892899; 1918886c; 1921999; 1929402; 1930802; 1935992; 1941589; 1946220; 19

Servicing: 30MT. 10455317; -21; -24; -25; -28; -32; -33; -40; -41; 1107203; -24; -45; -80; -308; -326; -332; -3

O.D. 29.30, **I.D.** 14.30, **L.** 95.20, **No. of teeth** 9, **Splines** 3, **Rotation** CR, **Drive type** Steel



131770 Drive

Replacing: 1893562; 1894214; 1947920; 1971167; 1977006; 800069; 10583; 480417; e480417; sd180; 1.01.0182.0; C8T

Servicing: 40MT. 10461059; -78820; -78985; 1113830; -52; -71; -73; -941; -988; -4052; -4077; -4094; -4101; -414

O.D. 49.20/1.937", **I.D.** 15.90, **L.** 120.40/4.740", **Shaft L.** 15.90/5/8", **No. of teeth** 13, **Splines** 19, **Rotation** CR, **Drive type** Steel

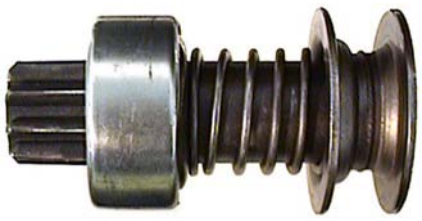


132076 Drive

Replacing: 3471463; 3491016

Servicing: 3471157; -9

O.D. 30.00, **I.D.** 12.00, **L.** 66.00, **No. of teeth** 9, **Splines** 6, **Rotation** CR, **Drive type** Steel



132694 Drive

Replacing: 1828396; 1927200; 1931585; 1946221; 1971979; 1974396; d2002; -6; -29; 480467; 1.01.0004.0; 133075

Servicing: 8MT. 1107608; -21; -22; -23; -26; -27; -29; -31; -32; -33; -34; -35; -38; -39; -40; -42; -43; -44; -

O.D. 25.00, **I.D.** 12.00, **L.** 97.25, **No. of teeth** 9, **Splines** 3, **Rotation** CR, **Drive type** Steel



132695 Drive

Replacing: 10471539; 10498407; 1984511; d2032; -40; -52; 10612; 1.01.0433.0

Servicing: 5MT. 10455001; -4; -6; -7; -8; -9; -15; -16; -17; -18; -19; -20; -21; -22; -23; -24; -44; -45; -46;

O.D. 43.15, **I.D.** 12.00, **L.** 69.15, **No. of teeth** 9, **Splines** 3, **Rotation** CR, **Drive type** Steel



132699 Drive

Replacing: 1877348; 1950001; 1951788

Servicing: 10MT. 10455319; -36; -38; 1107179; -386; -782; -9424; -9426; -13155; 1998298; -9; -301; -412

O.D. 36.70/1.444", **L.** 96.00/3.780", **No. of teeth** 9, **Splines** 3, **Rotation** ACR



132731 Drive

Replacing: 1894212; 1945879; 1970527; 1977004; 800067; 830621; 480135; -322; e480322; 64235; 1.01.0626.0

Servicing: 40MT, 42MT, 50MT. 10478836; -51; -54; -57; -72; -74; -75; -92; -978; -979; -981; -9002; 1109220; -1;

O.D. 56.00, **I.D.** 15.75, **L.** 119.70, **Shaft L.** 15.90/5/8", **No. of teeth** 11, **Splines** 19, **Rotation** ACR, **Drive type** Bronze



132732 Drive

Replacing: 2006202002; 1932604; e480413
Servicing: 40MT, 50MT. 0001421005; -14; -15; 1109179; -85; B001421020; -39; -40
O.D. 46.20/1.819", **I.D.** 19.00, **L.** 118.00/4.646", **Shaft L.** 19.00/0.748", **No. of teeth** 12, **Splines** 19, **Rotation** ACR, **Drive type** Bronze



132943 Drive

Replacing: 10469173; 10498527; d2048; 1.01.0611.0
Servicing: PMGR series. 9000735; -62; -63; -73; -75; -76; -89; -96; -97
O.D. 25.20, **I.D.** 12.00, **L.** 68.30, **No. of teeth** 9, **Splines** 6, **Rotation** CR, **Drive type** Steel



133446 Drive

Replacing: 10499849; 1852685; 1877346; 1942597; 1943307; 1950057; 1955959; 10534; 1.01.0026.0
Servicing: 10MT, 20MT, 22MT. 10455327; -30; 1107194; -204; -205; -215; -292; -295; -309; -359; -555; -568; -576
O.D. 36.00, **I.D.** 14.25, **L.** 96.30, **No. of teeth** 9, **Splines** 3, **Rotation** CR, **Drive type** Steel



133507 Drive

Replacing: 1986244; 1987152; 10621; -39; e6hz11350a; 1.01.0625.0; 1.01.0755.0
Servicing: 37MT. 10478806; -14; -19; -90; -921; -928; -929; -930; -953; -957; -962; -976; -9015; -9016; -9020;
O.D. 39.50/1.555", **I.D.** 14.35, **L.** 99.00/3.898", **No. of teeth** 10, **Splines** 3, **Rotation** CR, **Drive type** Steel



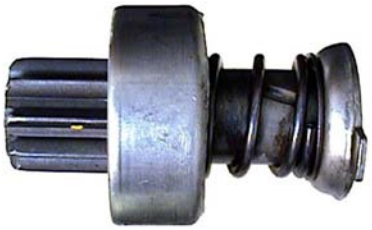
133545 Drive

Replacing: 10479522; 10497522; 1877345; 1968131; 1970376; 1971706; d2037; 10533; -632; -633; 1947912
Servicing: 10MT, 20MT, 22MT, 25MT, 27MT. 10455322; -9; -500; 1107573; -7; -86; -88; -89; -99; -863; -871; -8284
O.D. 31.70, **I.D.** 14.40, **L.** 95.55, **No. of teeth** 10, **Splines** 3, **Rotation** CR, **Drive type** Steel



133854 Drive

Replacing: 10456455; 10457056; -167; d2053; 1.01.0629.0; c8js11350a; SD303; 0-23500-0551
Servicing: 28MT. 10479604; -14; -15; -17; -18; -28; -34; 1113269; -70; -71; -76; -95; -96
O.D. 31.80, **I.D.** 14.00, **L.** 85.00, **No. of teeth** 10, **Splines** 12, **Rotation** CR, **Drive type** Steel
W/ rubber seal.



133864 Drive

Replacing: 3207417; -524; 4486601; 8120193; a2000; 480168; -476; 1.01.0135.0; C6FF11350A; D6FF11350AA; 133907;
O.D. 28.80, **I.D.** 12.15, **L.** 77.50, **No. of teeth** 9, **Splines** 4, **Rotation** CR, **Drive type** Steel



133975 Drive

Replacing: 10457057; -579; d2054; 1.01.0649.0
Servicing: 28MT. 10479607; 1113274; -5; -8; -81; -82; -84; -85; -88; -89; -90; -97
O.D. 40.00, **I.D.** 14.00, **L.** 86.00, **No. of teeth** 10, **Splines** 12, **Rotation** CR, **Drive type** Steel
W/ rubber seal.



133976 Drive

Replacing: 10457058; -168; d2055; 1.01.0650.0
Servicing: 28MT. 10479606; -13; 1113273; -9; -80
O.D. 45.90, **I.D.** 14.15, **L.** 85.00, **No. of teeth** 12, **Splines** 12, **Rotation** CR, **Drive type** Steel
W/ rubber seal.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



134837 Drive

Replacing: 10457059; -279; 1.01.0651.0
Servicing: 28MT. 10479620; -48; 1113286
O.D. 34.00/1.339", **I.D.** 13.00, **L.** 85.00,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel
W/ rubber seal.



134838 Drive

Replacing: 10457060; 1.01.0652.1
Servicing: 28MT. 1113287
O.D. 28.90, **I.D.** 13.00, **L.** 85.00,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



135063 Drive

Replacing: 10468675; 10473700; 10477566; d2050; -7; 1.01.0612.0
Servicing: SD210, SD260. 10455010; -1; -2; -3; -25; -26; -42; -47; -48; -51; -53; -54; -60; -61; 9000735; -63;
O.D. 25.20, **I.D.** 12.00, **L.** 69.00/2.717",
No. of teeth 9, **Splines** 3, **Rotation** CR,
Drive type Steel



135816 Drive

Replacing: 1989214; d2047; 1.01.0610.0
Servicing: PG260. 9000719
O.D. 25.20, **I.D.** 12.00, **L.** 68.00/2.677",
No. of teeth 9, **Splines** 3, **Rotation** CR,
Drive type Steel



136318 Drive

Replacing: 1932188; 1974355; d2028; 480466; 1.01.0013.0
Servicing: 10MT. 1107208; -23; -70; -72; -79; -97; -354; -389; -397; -398; -641; -652; -653; -655; -657; -661;
O.D. 25.30, **I.D.** 11.85, **L.** 75.90,
No. of teeth 9, **Splines** 3, **Rotation** Clockwise, **Drive type** Steel



136342 Drive

Replacing: 10497257; 1.01.0752.0
Servicing: PG100, 150. 09000756; 21020892; -3; -1366; -1648; 9000751; -6; -8
O.D. 25.80, **I.D.** 12.00, **L.** 64.00/2.520",
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel



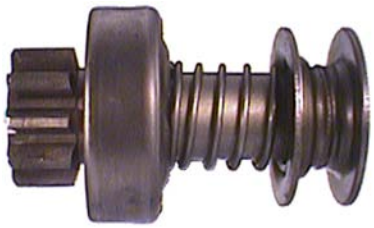
137733 Drive

Replacing: 186798; 1.01.0833.1; 594177; -252
Servicing: D6RA133; -62; -249; D6RA56; -62; -73; -82; -83; D6RAD183
O.D. 27.70, **I.D.** 12.00, **L.** 51.50,
No. of teeth 10, **Splines** 5, **Rotation** CR,
Drive type Steel



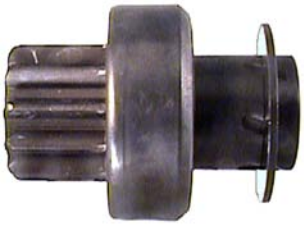
137760 Drive

Replacing: 10457121; 1.01.0722.0
Servicing: 28MT. 10479611; -6; 1113272; -7; -91
O.D. 32.00/1.260", **I.D.** 14.00, **L.** 86.00/(3.386", **No. of teeth** 10, **Splines** 12,
Rotation CR, **Drive type** Steel
W/ rubber seal.



138128 Drive

Replacing: 1947542; 1948877; 800965; 10499852; 1877350; 1933838; 10530; 1.01.0381.0
Servicing: 10MT. 10455320; -3; -39; 1107341; -90; -532; -544; -779; -873; -8336; -8475; -8659; -9260; -9377; -9
O.D. 39.85, **I.D.** 14.10, **L.** 95.40,
No. of teeth 10, **Splines** 3, **Rotation** ACR,
Drive type Steel



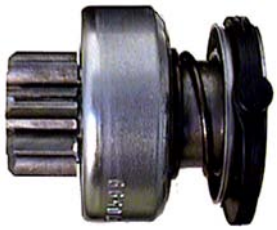
138216 Drive

Replacing: 10475616; 1.01.0756.0
Servicing: PG260. 9000786; -98; -806; -819; -820; -821; -822; -834
O.D. 29.55, **I.D.** 12.00, **L.** 61.55,
No. of teeth 11, **Splines** 6, **Rotation** CR,
Drive type Steel



138222 Drive

Replacing: 10476642; 1.01.0774.0
Servicing: PG260. 9000805; -12
O.D. 25.20, **I.D.** 12.00, **L.** 61.75,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel



138233 Drive

Replacing: 1006209613; 10476603; 1.01.0852.0
Servicing: 0001107031; -2; -49; 9000786; -98; -805; -806; -812; -819; -820; -822; -834; 9007045009
O.D. 27.20, **I.D.** 10.85, **L.** 54.00,
No. of teeth 8, **Splines** 10, **Rotation** CR,
Drive type Steel



230073 Drive

Replacing: 10475974; 1.01.0770.0
Servicing: PG105S. 09000794; -801; 10455506; 21020761; 9000794; -801; -833; -837; -839; -840; -847; -856; -859;
O.D. 25.80/1.016", **I.D.** 12.00, **L.** 45.00/1.772", **No. of teeth** 9, **Splines** 6, **Rotation** CR, **Drive type** Steel



230911 Drive

Replacing: 3e7857; 10472565; 10641; 1.01.0780.1; 6003
Servicing: 41MT. 10478812; -5; -7; -8; -925; -926; -961; -999; -9013; -9060; -9061; -9071; -9215; 1993995
O.D. 46.30/1.823", **I.D.** 15.90, **L.** 102.00/4.016", **Shaft L.** 15.90/5/8",
No. of teeth 12, **Splines** 19, **Rotation** CR,
Drive type Bronze



231455 Drive

Replacing: 1932603; 1985131; 480170; -210; -415; e480415; 13539; m029013539; 59-225; pd-13a; 1.01.0879.0; 13610
Servicing: 40MT. 1113350; -69; -74; -801; -804; -811; -817
O.D. 49.20, **I.D.** 18.85, **L.** 118.00/4.646",
No. of teeth 13, **Splines** 19, **Rotation** CR,
Drive type Bronze



231789 Drive

Replacing: 1.01.1048.0; 231789
O.D. 28.00, **I.D.** 12.15, **L.** 45.00,
No. of teeth 8, **Splines** 6, **Rotation** CR,
Drive type Steel



231963 Drive

Replacing: 10457141; 54-8410; 1.01.0723.0
Servicing: 28MT. 10479600; -4
O.D. 46.00, **I.D.** 14.00, **L.** 86.00/3.386",
No. of teeth 12, **Splines** 12, **Rotation** CR,
Drive type Steel



231964 Drive

Replacing: 10457178; 54-8409; 1.01.0645.0
Servicing: 28MT. 10479619
O.D. 31.80, **I.D.** 12.75, **L.** 85.00,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



231965 Drive

Replacing: 10457122; 54-8408; 1.01.0721.0
Servicing: 28MT. 10479605; -8; -12
O.D. 40.00/1.575", **I.D.** 14.00, **L.** 86.00/3.386", **No. of teeth** 10, **Splines** 12, **Rotation** CR, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



231966 Drive

Replacing: 1.01.0958.0; 10492409
Servicing: PG260F2. 9000836; -41; -42; -54; -57; -58; -71; -72; -79; -80; -82; -84
O.D. 29.55, **I.D.** 12.00, **L.** 47.00/1.850", **No. of teeth** 11, **Splines** 6, **Rotation** CR, **Drive type** Steel



231967 Drive

Replacing: d2059; 10487536; -934; d2058; 1.01.0783.0
Servicing: SD205, -255. 10455064; -5; -6; -7; -9; -70; -72; -73; -74; -80; -81; -84
O.D. 25.00, **I.D.** 12.00, **L.** 71.60, **No. of teeth** 9, **Splines** 3, **Rotation** CR, **Drive type** Steel



231968 Drive

Replacing: 10476528; 1.01.0870.1
Servicing: 41MT. 10478897; -8; -9023; -9024; -9043; -9165
O.D. 56.15, **I.D.** 15.75, **L.** 101.80, **Shaft L.** 15.90/5/8", **No. of teeth** 11, **Splines** 19, **Rotation** CR, **Drive type** Bronze



231969 Drive

Replacing: 1933404; 1985132; 480412; 76308; m029076308; 54-129; 1.01.0930.0
Servicing: 50MT. 1113344
O.D. 56.30, **I.D.** 19.00, **L.** 118.00/4.646", **No. of teeth** 11, **Splines** 19, **Rotation** ACR, **Drive type** Steel



231970 Drive

Replacing: 1893561; 1894218; 480414; 1.01.0914.0; 1953151; 1894219; 1971277; 1977011; 800074
Servicing: 40MT, 42MT. 1113177; -477; -881; -888; -936; -961; -963; -4123; -4155; -4177; -4716; -4721; -4731; -
O.D. 46.50/1.831", **I.D.** 15.90/5/8", **L.** 120.00/4.724", **No. of teeth** 12, **Splines** 19, **Rotation** ACR, **Drive type** Steel



231971 Drive

Replacing: 10499851; 54-1159; 1.01.0864.0
Servicing: 10MT, 20MT, 22MT, 27MT, 30MT, 35MT. 1109496; -8; -9; -500; -559; -13389; -13392; -13411; -13443; 199
O.D. 34.30, **I.D.** 14.30, **L.** 95.50/3.760", **No. of teeth** 9, **Splines** 3, **Rotation** CR, **Drive type** Steel



231972 Drive

Replacing: 1877356; 1893736; 54-108; 1.01.0124.0; 1941657; 1942877
Servicing: 30MT, 35MT. 1107518; -8638; -8647; -8668; -9141; -13090; -13131; -13163; -13228; -13673; -13682; -13
O.D. 46.30, **I.D.** 14.20, **L.** 97.15, **No. of teeth** 12, **Splines** 3, **Rotation** ACR, **Drive type** Steel



232053 Drive

Replacing: 1.01.0568.0; 232053
Servicing: 30MT.
O.D. 39.80, **I.D.** 14.35, **L.** 96.00, **Shaft L.** 14.30/0.563", **No. of teeth** 10, **Splines** 3, **Rotation** CR, **Drive type** Steel



233171 Drive

Replacing: 10499850; 1877347
Servicing: 10MT, 20MT, 25MT, 27MT. 1107854; -5; -8334; -8343; -8344; -8691; -9252; -9267; -9359; -9360; -9574;
O.D. 32.15, **I.D.** 14.45, **L.** 96.00, **No. of teeth** 10, **Splines** 3, **Rotation** ACR, **Drive type** Steel



233173 Drive

Replacing: 1974641; 1937554; 1943600; 1974655
Servicing: 10MT, SD300. 10455602; 1107250; -71; -85; -333; -610; -611; -672; -723; -742; -763; -769; -9369; -94
O.D. 25.80/1.016", **I.D.** 12.00, **L.** 93.00/3.660", **Shaft L.** 25.00/0.984", **No. of teeth** 9, **Splines** 3, **Rotation** ACR, **Drive type** Steel



233387 Drive

Replacing: 10457362; 1.01.0985.0
Servicing: 28MT. 10479626
O.D. 35.50, **I.D.** 13.95, **L.** 85.45, **No. of teeth** 9, **Splines** 12, **Rotation** CR, **Drive type** Steel



233532 Drive

Replacing: 1954963
Servicing: 10MT. 1107218; -334; -9098; 1998274
O.D. 28.70, **I.D.** 14.40, **L.** 95.00, **No. of teeth** 9, **Splines** 3, **Rotation** CR, **Drive type** Steel
w/ 10 holes.



235050 Drive

Servicing: 110566; -1534; 17610-q1010
O.D. 35.62, **I.D.** 11.91, **L.** 110.82, **No. of teeth** 9, **Splines** 12, **Splines** 6, **Drive type** Steel
Drive w/ gear shaft and stop collar set. See picture.



235146 Drive

Servicing: 112161; cer3087
O.D. 45.60, **L.** 50.60, **No. of teeth** 13, **Splines** 6
Cannot be renovated. Cover cannot be refitted.

235620 Drive

Replacing: 1107169; -74; 1108637; -45; -977; 1109618; -76; 1113027; 1107878; 1108099; -3; -6; 1107006; -30; -35
Servicing: 1107169; -74; -8096; -9618
I.D. 15.90, **L.** 133.00, **No. of teeth** 10, **Rotation** ACR

235623 Drive

Replacing: tlb121; 1882549; 1885103; 1909855; -85; d2011
Servicing: 1107743; -949; -950; -959; -9451; -9458; -9659
I.D. 15.90, **L.** 135.00, **No. of teeth** 9, **Rotation** ACR

235625 Drive

Replacing: 1878079; 1887463; 1913587; -9; 1918219; 1971147; d2010; 63-5; -8; 63-96
Servicing: 1107037; -56; -74; -84; -87; -88; -89; -134; -149; -830; -927; -943; -8021; -8112; -8126; -8131; -8
I.D. 15.90, **L.** 135.00, **No. of teeth** 9

235626 Drive

Replacing: 1850844; 59-11
Servicing: 1007010044; 1107012; -4; -6; -25; -28; -40; -42; -52; -58; -65; -73; -77; -86; -90; -91; -133; -147
I.D. 15.90, **L.** 133.00, **No. of teeth** 10

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 0

235630 Drive

Replacing: 1835965; 1841148; 1861363; 1862002; 1881148; 1915133; -53; 1920919; 807358; 811194; 59-16; 63-45; eb

Servicing: 1107162; -402; -406; -430; -434; -450; -452; -454; -458; -470; -486; -487; -490; -738; -740; -806;

O.D. 46.00, **L.** 133.00, **No. of teeth** 12



235677 Pinion

Replacing: 10511753; -405; -407

Servicing: 10461753; 13461334; 19011506; -7; -8; -9; -13; -14; -16; -18; -19; -21; -22; -23; -25; -27; -31; 82

O.D. 55.81, **I.D.** 16.80, **H.** 26.00, **No. of teeth** 11, **Splines** 23



235678 Pinion

Replacing: 10511406; -838

Servicing: 10461757; -8; -9; -60; 19011510; -1; -2; -5; -7; -24; -26; 8200027; -8; -9; -30; -42; -43; -44; -45

O.D. 45.91, **I.D.** 16.60, **H.** 26.00, **No. of teeth** 12, **Splines** 23



235679 Pinion

Replacing: 0-0055-04102; 10511918

Servicing: 0-33000-1140; 10461773; 19011514; 8200082; -4; 8300008; -13

O.D. 43.62, **I.D.** 16.65, **H.** 26.00, **No. of teeth** 12, **Splines** 23



238626 Drive

Servicing: 96430345

L. 47.00, **No. of teeth** 9, **Splines** 10

Planet Gears



234878 Planet Gear

Servicing: PG260. 10465294; 9000805; -12; -56; -64

Drive only: Cargo 138222.

Pkg 10



235687 Gear Wheel

Servicing: 38mt; -9mt

O.D. 24.00, **I.D.** 9.10, **H.** 13.00, **No. of teeth** 14

Gear Parts



230559 Gear Shaft

Replacing: 10457032

Servicing: 28MT. 10479600; -4; -5; -6; -7; -8; -12; -13; -14; -15; -16; -17; -18; -20; -28; -34; 1113271; -2; -

Front D. 25.00, **L.** 172.00/6.772", **No. of splines** 12



230560 Gear Shaft

Replacing: 10456468

Servicing: 28MT. 10479611; 1113269; -70; -95; -96

Front D. 25.00, **L.** 165.00/6.496", **No. of splines** 12



232990 Gear Shaft

Replacing: 10475626

Servicing: PG260M. 9000786; -98; -804; -805; -806; -812; -819; -820; -821; -822; -827; -834; -835; -844; -850;

Front D. 22.20, **L.** 165.00/6.50", **No. of splines** 12

Pkg 5



233163 Pin

Servicing: 28MT.

O.D. 5.95, **L.** 7.50

Gear shaft: Cargo 230559, 230560.

Pkg 10



233693 Washer

Servicing: 28MT.

O.D. 23.60, **I.D.** 10.60, **Th.** 0.85, **Material** Steel

Pkg 10



233694 Washer

Servicing: 28MT.

O.D. 23.60, **I.D.** 10.45, **Th.** 0.20, **Material** Steel

Pkg 10



233695 Washer

Servicing: 28MT.

O.D. 23.15, **I.D.** 10.30, **Th.** 0.80



233757 Gear Shaft

Replacing: 10457357

Servicing: 28MT. 10461470; -79626

L. 176.00/6.693", **No. of splines** 12

Stationary



135459 Outer Gear

Replacing: 10497268

Servicing: PG150. 09000756; 21020893; -1366; 9000756

O.D. 69.10, **I.D.** 48.00/1.890", **H.** 27.40, **No. of teeth** 50



135465 Outer Gear

Servicing: PG100.

O.D. 69.00, **I.D.** 46.73, **H.** 27.35, **No. of teeth** 64

Pkg 5



138213 Stationary Gear

Replacing: 10475632

Servicing: PG260. 9000786; -98; -805; -806; -812; -819; -820; -821; -822; -834

O.D. 66.57, **I.D.** 46.25, **H.** 34.84, **No. of teeth** 47

Pkg 5



232360 Stationary Gear

Replacing: 10450720

Servicing: PG260F2.

O.D. 61.45, **I.D.** 49.60, **H.** 29.50, **No. of teeth** 43



235737 Stationary Gear

Servicing: 19011514; -5; -6; -7; -8; -21; -22; -23; -24; -30; -31; 8200037; -287; -288; -289; -290; -291

O.D. 94.14, **I.D.** 76.74, **H.** 35.89, **No. of teeth** 48



235738 Gear Shaft

Servicing: 19011514; -6; -7; -8; -21; -22; -23; -24; -30; -31; -26027; -26028; -26029; -26032; 8200005; -24; -

L. 133.20, **Splines** 12

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Gear Covers



230394 Gear Cover

Replacing: 10476004
Servicing: PG260F1. 09000794; -801; 10455506
O.D. 68.90, **H.** 1.00

Pkg 5



235739 Gear Cover

Servicing: 19011514; -5; -6; -7; -8; -21; -22; -23; -24; -31; 8200037; -287; -288; -289; -290; -291
O.D. 108.87, **I.D.** 35.45

Gear Wheels

Pkg 3



232926 Gear Wheel

Replacing: 10475979
Servicing: PG260F1. 09000794; -801; 10455506
O.D. 18.60, **I.D.** 6.00, **H.** 10.40,
No. of teeth 17

Pkg 3



232989 Gear Wheel

Replacing: 10475578
Servicing: PG260M. 9000786; -98; -804; -805; -806; -812; -819; -820; -821; -822; -827; -834; -835; -844; -850;
O.D. 19.35, **I.D.** 6.00, **H.** 11.00,
No. of teeth 18
Bushing: Cargo 140939.

Pkg 3



233016 Gear Wheel

Servicing: PG260F2.
O.D. 20.55, **I.D.** 6.00, **H.** 11.45,
No. of teeth 16
Bushing: Cargo 140939.

Levers



130530 Lever

Replacing: 1945484
Servicing: 40MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78807; -78808; -78813; -78827; -78828; -7882
L. 124.70, **Lever** 1
Pin kit: Cargo 230362.



130531 Lever

Replacing: 1942245; -553; 1948690
Servicing: 30MT. 1113059; -89; -90; -100; -101; -111; -113; -114; -115; -119; -121; -124; -126; -130; -131; -13
L. 113.45, **Lever** 1



130844 Lever

Replacing: dr1901
Servicing: 3471141; -3; -4; -50
L. 83.40, **Lever** 1



131353 Lever

Replacing: 1988097
Servicing: 41MT, 42MT. 10478801; -2; -3; -4; -9; -10; -12; -15; -17; -18; -20; -24; -36; -39; -92; -93; -94; -9
L. 121.35, **Lever** 1
Pin kit: Cargo 230362.



131358 Lever Arm

Replacing: 1985237
Servicing: 37MT. 10461169; -78805; -78806; -78811; -78814; -78819; -78825; -78826; -78890; -78897; -78953; -789
L. 121.60
Pin kit: Cargo 230362.



131408 Lever

Replacing: 1932205; 1951567; d4908
Servicing: 25MT. 10455306; -9; -10; -11; -12; -14; -15; -16; -17; -18; -19; -20; -21; -22; -23; -24; -25; -26;
L. 103.90, **Lever** 1



132678 Lever

Replacing: 801433
Servicing: 10MT. 10455300; -1; -5; -8; -43; -603; -604; 1108224; -5; -6; -386; -387; -389; -427; -428; -429; -4
L. 103.30, **Lever** 1



132679 Lever

Replacing: 1945801; 1951658
Servicing: 8MT. 1108195; -6; -300; -301; -302; -303; -304; -306; -307; -316; -317; -318; -523; -771; -772; -773
L. 102.80, **Lever** 1



132680 Lever

Replacing: 1893358
Servicing: 5MT. 1109521; -2; -3; -4; -6; -7; -8; -31; -32; -33; -34; -35; -37; -38; -44; -61; -62; 1998451
L. 96.55, **Lever** 1



132681 Lever

Replacing: 1984501
Servicing: 5MT. 10455001; -4; -6; -7; -8; -9; -15; -16; -17; -18; -19; -20; -21; -22; -23; -24; -44; -45; -46;
L. 96.50, **Lever** 1
Short type.

Pkg 10



133182 Lever

L. 83.15, **Lever** 10
As Cargo 130844. W/o bolt. Bolt: Cargo 134909.



134839 Lever

Replacing: 10456464
Servicing: 28MT. 10479600; -4; -5; -6; -7; -8; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -28; -34; 1113
L. 102.35, **Lever** 1



135204 Lever

Replacing: 10473701
Servicing: SD210, SD260. 10455010; -1; -2; -3; -25; -26; -42; -47; -48; -51; -53; -54; -60; -61
L. 95.30, **Lever** 1



135818 Lever

Replacing: 1989196
Servicing: PG200, -250. 21020892; -3; -1366; -1648; 9000719; -35; -51; -58; -62; -63; -68; -73; -75; -76; -89;
L. 87.75, **Lever** 1
Support: Cargo 232832.



138214 Lever

Replacing: 10476604
Servicing: PG260. 9000786; -98; -805; -806; -812; -819; -820; -821; -822; -834
L. 78.65, **Lever** 1
Support: Cargo 138215.



230389 Lever

Servicing: PG260F1. 9000859; 96208785
L. 81.00, **Lever** 1



232825 Lever

Replacing: 10487534
Servicing: SD205, SD255. 10455064; -5; -6; -7; -9; -70; -71; -72; -73; -74; -80; -81; -84; 24507409; -10
L. 95.40, **Lever** 1

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



232826 Lever

Servicing: PG260F2. 24506694; 9000873; -81

L. 80.45, **Lever** 1

Plug: Cargo 232996. Pivot pad: Cargo 610222.



232966 Lever

Replacing: 1851954

Servicing: 30MT, 35MT. 1113172; -216; -217; -218; -222; -228; -229; -231; -232; -233; -234; -235; -236; -237; -

L. 118.00, **Lever** 1



233756 Lever

Replacing: 10457361

Servicing: 28MT. 10479626

L. 114.25, **Lever** 1

Pkg 5



235040 Lever

Servicing: 96275481

L. 81.60, **Lever** 5



235734 lever

Replacing: 10511817

L. 110.00, **Lever** 1

Lever Parts

Pkg 10



134777 Spacer for Lever

Servicing: 3471163; -73

O.D. 8.00, **I.D.** 3.90, **Th.** 12.00, **Material** Steel

Lever: Cargo: 130844, 133182.



134909 Pivot Pin

Replacing: 191436; 134909

Servicing: Lever: Cargo 133182.

Collar L. 42.00, **L.** 48.00, **Thread** M6



138215 Lever Support

Replacing: 10475639

Servicing: PG260. 9000786; -98; -805; -806; -812; -819; -820; -821; -822; -834

L. 29.85

Lever: Cargo 138214.

Pkg 10



230010 Lever Pin

Replacing: 1894321; 1980864; 1987049; -79

Servicing: 10MT, 15MT/GR, 20MT, 22MT, 25MT, 27MT. 10455001; -4; -6; -7; -8; -9; -15; -16; -17; -18; -19; -20; -

O.D. 5.00, **I.D.** 2.90, **L.** 25.70

Pkg 10



230108 Lever Pin

Replacing: 1945804

Servicing: 10MT. 10455001; -4; -6; -7; -8; -9; -15; -16; -17; -18; -19; -20; -21; -22; -23; -24; -44; -45; -46;



230362 Lever Pin Kit

Replacing: 9415235

Servicing: 30MT, 35MT. 1109220; -1; -2; -4; -74; -75; -76; -77; -78; -79; -80; -81; -82; -83; -84; -85; -86; -8

Pkg 5



230513 Pivot Pin

Replacing: 1945472; 1948529; 610216

Servicing: 37MT, 40MT, 41MT, 42MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78801; -78802; -78803; -78



232693 Support

Replacing: 1846938

Servicing: Support for regulator lead. 10459003; -5; -6; -7; 1117069; -155; -225; -226; -227; -228; -229; -231;

25SI, 26SI.

Pkg 5



232827 Lever Stud

Replacing: 1932197

Servicing: 10MT, 20MT, 22MT, 25MT, 27MT, SD300. 10455309; -10; -11; -12; -14; -15; -16; -17; -18; -19; -20; -21

Pkg 5



232828 Lever Stud

Replacing: 1851953

Servicing: 30MT, 35MT. 1113216; -7; -8; -22; -28; -29; -31; -32; -33; -34; -35; -36; -37; -42; -43; -44; -45; -

---

Pkg 5



232829 Lever Stud

Replacing: 1942255; 1948688

Servicing: 30MT, 35MT. 1113059; -89; -90; -100; -101; -111; -113; -114; -115; -119; -121; -124; -126; -130; -13

Pkg 5



232830 Pin

Replacing: 1942253

Servicing: 30MT, 35MT. 1113059; -89; -90; -100; -101; -111; -113; -114; -115; -119; -121; -124; -126; -130; -13

Clip: Cargo 233148.

Pkg 5



232831 Lever Stud

Replacing: 10497854

Servicing: 37MT, 41MT. 10478805; -6; -11; -12; -14; -15; -17; -18; -19; -25; -26; -90; -97; -98; -921; -925; -9



232832 Support

Servicing: PG200, -250.

L. 45.35

Lever: Cargo 135818.



232996 Lever Plug

Servicing: PG260F2.

Pkg 10



233048 O-Ring

Replacing: 1894643; 1921805; 610217

Servicing: 30MT, 35MT, 37MT, 40MT, 41MT, 42MT,50MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78801; -7

O.D. 12.60, **I.D.** 8.65, **Th.** 1.75

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



233057 O-Ring

Replacing: 1894642; 1914373; 610218

Servicing: 30MT, 35MT, 37MT, 40MT, 41MT, 42MT,50MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78801; -7

O.D. 9.50, **I.D.** 5.70, **Th.** 1.55

Pin kit: Cargo: 230362.

Pkg 5



233148 Clip

Replacing: 1938376

Servicing: 30MT, 35MT. 1113059; -89; -90; -100; -101; -111; -113; -114; -115; -119; -121; -124; -126; -130; -13

Pin: Cargo 232830.

Pkg 10



233692 Screw

Servicing: 28MT.

Thread L. 15.00, **L.** 55.80, **Thread** M6

Pkg 10



235735 Shift Lever Support

Replacing: 10512004

L. 37.67

Clutches



234719 Clutch

Servicing: 10455703; -9; 128000-8110; -1; -380

L. 56.50

w/ bearing.



235715 Clutch

Servicing: 39mt

O.D. 73.19, **L.** 144.15, **Splines** 23

Brush Gears



130520 Brush Gear

Replacing: 4m1846; 9m7623; 1945517; 1948515

Servicing: 40MT. 10461041; -5; -6; -7; -8; -59; -60; -61; 1113818; -20; -24; -25; -27; -30; -31; -32; -40; -42;

V. 12/24, **Brush** w/o, **Brush gear** 1, **Spring terminal** With

Brush set: Cargo rx698, rx708.



130523 Brush Gear

Replacing: 1945849; 1967354; 7m0330

Servicing: 50MT. 10478827; -8; -9; -919; 1109220; -1; -2; -4; -74; -75; -76; -77; -78; -79; -80; -81; -82; -83;

Brush w/o, **Brush gear** 1, **Spring terminal** With

Brush set: Cargo rx9212.



131346 Brush Gear

Replacing: 1979387; -494

Servicing: 40MT 400/450. 10461041; -5; -6; -7; -8; -59; -60; -61; 1114802; -5; -7; -8; -9; -10; -11; -12; -13;

Brush w/o, **Brush gear** 1, **Spring terminal** With

Brush set: Cargo rx122h4, rx1224. Type 400, 450.



131352 Brush Gear

Replacing: 1988121; -2; -439
Servicing: 42MT. 10478809; -10; -20; -24; -36; -39; -92; -93; -94; -918; -931; -932; -933; -934; -935; -936; -9
Brush w/o, **Brush gear** 1, **Spring terminal** With
Brush set: Cargo rx1344, rx134h4. Insulated.



131362 Brush Box

Replacing: 1985303; -23; 1987172; 1988323; 131357
Servicing: 37MT. 1990308; -9; -10; -11; -12; -13; -15; -16; -17; -18; -19; -20; -21; -22; -26; -27; -30; -31; -
V. 12/24, **Brush** w/o, **Spring terminal** With
Brush set Cargo: rx1354, rx135h4.



131482 Brush Gear

Replacing: 1984974; 1985065; 1981974
Servicing: 50MT 400. 10478807; -8; -13; -43; -44; -45; -46; -48; -49; -50; -51; -53; -54; -55; -56; -57; -58; -
Brush w/o, **Brush gear** 1, **Spring terminal** With
Brush set: Cargo rx124h6. Type 400.



132945 Brush Gear

Replacing: 10472527; 10498540; d780
Servicing: PG200, PG250. 9000719; -35; -62; -63; -68; -73; -75; -76; -89; -96; -97
V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Pkg 100



133197 Brush Spring

O.D. 10.00, **L.** 18.60
Assort. 803041



134842 Brush Gear

Replacing: 10456456
Servicing: 28MT. 10479600; -4; -5; -6; -7; -8; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -28; -34; 1113
Brush w/o, **Brush gear** 1, **Spring terminal** w/o
Brush set: Cargo 140600, 140732. Brush spring: Cargo 134843.



135720 Brush Gear

Replacing: 10468705; -6; 10469238; 10470140
Servicing: 37MT, 41MT. 10478805; -6; -11; -12; -14; -15; -17; -18; -19; -925; -926; -927; -928; -929; -930; -95
Brush w/o, **Brush gear** 1, **Spring terminal** With
Brush set: Cargo rx1354, rx135h4.



230391 Brush Gear

Replacing: 10476006
Servicing: PG150, PG150S, PG260Fi. 09000794; -801
V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With
Brush set: Cargo 141045. Brush spring: Cargo 230390.



230396 Brush Gear

Replacing: 10475602
Servicing: PG260M. 9000786; -98; -804; -805; -806; -812; -819; -820; -821; -822; -827; -834; -835; -844; -850;
V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



230406 Brush Gear

Replacing: 10467615
Servicing: SD210. -260.
V. 12, **Brush** With, **Brush gear** 1,
Spring terminal With



230682 Brush Gear

Replacing: 10497269
Servicing: PG100. 9000756
V. 12, **Brush** With, **Brush gear** 1,
Spring terminal With
Brush set: Cargo 141755.



232671 Brush Gear

Replacing: 10493851
Servicing: PG260F2.
V. 12, **Brush** With, **Brush gear** 1,
Spring terminal With



232968 Brush Gear

Replacing: 10472352
Servicing: PG150, PG260F1. 21020761; -893; -1366; 9000833; -9; -40; -47; -59; -71; -72; -73; -84; PG150; PG260F
V. 12, **Brush** With, **Brush gear** 1,
Spring terminal With



232984 Brush Gear

Replacing: 10493840
Servicing: PG260F2. 24605594
V. 12, **Brush** With, **Brush gear** 1,
Spring terminal With



234768 Brush Gear

Replacing: 10453919
Servicing: PG260L, -M. 10465578; 12564108; -70823; 3231471; 9000879
V. 12, **Brush** With, **Brush gear** 1,
Spring terminal With
Neg. brushes. Brush pos.: Cargo 141242.



235390 Brush Gear

Servicing: TM000A27301; -31001; -37001
V. 12, **Brush** With, **Brush gear** 1,
Spring terminal With



235500 Brush Gear

Replacing: 10468892; 10470208; 10468891
Servicing: 10461082; -110; -169; -170; -171; -181; -182; -209; -210; -227; -282; -333; -390; -391; -403; -408;
V. 12/24, **Brush** w/o, **Brush gear** 1,
Spring terminal With
Brush set: Cargo rx1354 (12V.), rx135h4 (24V.).140600, 140732. Brush spring: Cargo 134843.



237851 Brush Gear

Servicing: 19011501; M9T80472; -3
V. 24, **Brush** With, **Brush gear** 1,
Spring terminal With
Brush set: Cargo 142006

Brush gears parts



230015 Brush Holder Kit

Replacing: 1928015
Servicing: 8MT, 10MT, 20MT, 25MT. 10455300; -1; -5; -6; -8; -9; -10; -11; -12; -14; -15; -16; -17; -18; -19; -2

Pkg 10



233001 Insulator

Replacing: 1964516
Servicing: 50MT. 10478800; -7; -8; -13; -27; -28; -29; -30; -43; -44; -45; -46; -48; -49; -50; -51; -52; -53; -
Insulator 10

Pkg 10



233428 Screw

Replacing: 1846955; 1847807; 1968998
Servicing: 20SI. 37MT, 40MT, 42MT. 1009812; 10459002; -3; -4; -5; -6; -7; -8; -9; -10; -61041; -61045; -61046;
Thread L. 12.20, **L.** 15.60, **Thread** 1/2"

Brush Holders



131406 Brush Holder Kit

Servicing: 8MT, 10MT, 20MT, 22MT, 25MT, 27MT.

Assort. 803015

Pkg 5



132113 Brush Holder

Replacing: 1946414; 1926618; 1938587; 1950546; -946; 1955046; 1988414; 800091
Servicing: 30MT. 10455300; -1; -5; -6; -8; -9; -10; -11; -12; -14; -15; -16; -17; -18; -19; -20; -21; -22; -23;
O.D. 16.15, **L.** 39.45
Assort. 803015

Pkg 5



132114 Brush Holder

Replacing: 1893293
Servicing: 5MT. 10455001; -4; -6; -7; -8; -9; -15; -16; -17; -18; -19; -20; -21; -22; -23; -24; -44; -45; -46;
Brush w/o, **Spring terminal** w/o
Assort. 803015



132730 Brush Gear

Replacing: 1893929
Servicing: 5MT.
Brush With, **Brush gear** 1
Assort. 803015



132854 Repair Kit

Servicing: 5MT.



132875 Insulated Brush Holder Kit

Servicing: 30MT, 35MT.

W/ insulating.



132876 Brush Holder Kit

Servicing: 30MT, 35MT.

Grounded.



136924 Brush Holder

Replacing: 1952135
Servicing: 30MT, 35MT. 1107547; -55; -72; -13130; -13131; -13133; -13135; -13148; -13156; -13162; -13163; -1319
Brush w/o, **Spring terminal** w/o
Insulated

Brush Springs

Pkg 10



132115 Brush Spring

Servicing: 5MT.
L. 26.15
Assort. 803015

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



132116 Brush Spring

Replacing: 1986019
Servicing: 25MT, 27MT. 10455500; 1109216; -9; -51; -52; -53; -55; -56; -57; -58; -59; -60; -495; -496; -500; -5
L. 35.20
Assort. 803015

Pkg 10



132131 Brush Spring

Replacing: 1945620; 1979994; d3984
Servicing: 30MT. 1107515; -47; -9217; -13059; -13089; -13090; -13100; -13101; -13105; -13111; -13112; -13113; -
L. 34.55
Assort. 803015



134675 Brush Gear

Replacing: 3471783
Servicing: 3471155
Brush w/o, **Brush gear** 1, **Spring terminal** w/o
Brush set: Cargo 140813, 140814, 140815.

Pkg 10



134843 Brush Spring

Replacing: 10456460
Servicing: 28MT. 10479600; -4; -5; -6; -7; -8; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -28; -34; 1113
O.D. 14.40, **L.** 26.40
Assort. 803015

Pkg 4



136926 Brush Spring

Replacing: 1861785
Servicing: 40MT, 50MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78827; -78829; -78830; -78919; 1108950; -1; -2
O.D. 11.20, **L.** 8.65

Pkg 4



136927 Brush Spring

Replacing: 1979391
Servicing: 40MT, 50MT. 10478813; -43; -44; -45; -46; -48; -49; -50; -51; -52; -53; -54; -55; -56; -57; -58; -59
O.D. 11.00

Pkg 4



136928 Brush Spring

Replacing: 1985314
Servicing: 37MT, 41MT, 42MT. 10461169; -78801; -78802; -78803; -78804; -78805; -78806; -78809; -78810; -78811;
O.D. 19.50, **L.** 36.15

Pkg 4



136929 Brush Spring

Replacing: 10498543
Servicing: PG200, -250, SD210, -260. 9000719; -35; -62; -63; -73; -75; -89; -97
O.D. 14.10, **L.** 23.75

Pkg 4



136946 Brush Spring

Replacing: 3472200; n318-18-x71; m391c03301; md607901; 23333-42l71; 36162-21720
Servicing: 23300-08U10; -1; -20P11; -30F11; -41B77; -44R11; -48L10; -4E100; -4E210; -4P110; -50Y11; -50Y12; -5
O.D. 10.25, **L.** 16.20
Assort. 803041

Pkg 10



230390 Brush Spring

Servicing: PG150, PG150S, SD260F1.

O.D. 8.50, **L.** 15.80

Pkg 10



230517 Brush Spring

Replacing: 10498866; 1926622; d4951; -4; 1940475

Servicing: 10MT. 10455300; -30; -31; -32; -33; -34; -35; -36; -37; -38; -39; -40; -41; -43; -44; -45; -46; -603

O.D. 29.20, **L.** 34.95

Brush Sets



140471 Brush Set

Servicing: PG200, PG250. 21020892; -3; -1366; -1648; 9000719; -35; -62; -63; -73; -76; -89; -96; -97

V. 12, **L.** 15.23, **Th.** 6.68, **H.** 21.64,
No. of brushes 4



140600 Brush Set

Replacing: 10456457; -8

Servicing: 28MT. 10479604; -6; -7; -13; -14; -15; -17; -18; -19; -20; -28; -34; 1113269; -70; -71; -73; -74; -7

V. 12, **L.** 20.15, **Th.** 7.90, **H.** 24.95,
No. of brushes 4



140732 Brush Set

Replacing: 10457119; -20; 0-23740-0360

Servicing: 28MT. 10479600; -5; -8; -11; -12; -16; 1113271; -2; -7; -91

V. 24, **L.** 20.10, **Th.** 7.93, **H.** 24.90,
No. of brushes 4



140737 Brush Set

Servicing: SD210, SD260.

V. 12, **L.** 14.69, **Th.** 6.67, **H.** 14.70,
No. of brushes 4

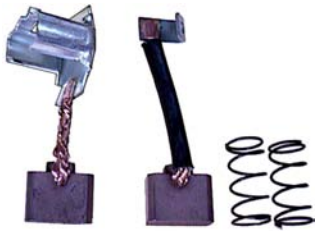


140755 Brush Set

Replacing: 1852898; 140755

Servicing: PG100. 21020892; -1648; 9000751; -6; -8

V. 12, **L.** 14.00, **Th.** 5.40, **H.** 14.90,
No. of brushes 4



140811 Brush Set

Replacing: 3471506; dr751; RX1202

Servicing: 3471143

V. 12, **L.** 11.50, **Th.** 5.80, **H.** 15.80,
No. of brushes 2



140812 Brush Set

Replacing: 3471505; dr700; RX1204

Servicing: 3471144; -52

V. 12, **L.** 14.10, **Th.** 6.00, **H.** 16.10,
No. of brushes 4



140813 Brush Set

Replacing: 3471625; RX120/02

V. 12, **L.** 11.50, **Th.** 5.95, **H.** 15.80,
No. of brushes 2



140814 Brush Set

Replacing: 3471764; 140565; RX120/03

Servicing: 3471153; -4; -7; -62; -64; -65

V. 12, **L.** 11.49, **Th.** 6.06, **H.** 15.82,
No. of brushes 3

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



140815 Brush Set

Replacing: 3471834; RX120/04
Servicing: 3471153; -4; -5; -62; -64; -65; -69; -70; -73; -74; -75; -76
V. 12, **L.** 11.50, **Th.** 5.93, **H.** 15.80,
No. of brushes 4



141045 Brush Set

Replacing: 10484034
Servicing: PG260F1. 96208783
V. 12, **L.** 13.00, **Th.** 4.85, **H.** 15.70,
No. of brushes 4



141113 Brush Set

Replacing: 10499509; -10
Servicing: SD205, SD210, SD255, SD260. SD205; -10; -55; -60
V. 12, **L.** 6.70, **Th.** 14.70, **H.** 14.80,
No. of brushes 4



141114 Brush Set

Servicing: PG200, PG250.
V. 12, **L.** 15.20, **Th.** 6.60, **H.** 21.65,
No. of brushes 4



141230 Brush Set

Servicing: 00e091; 110397; -1534; -2161; 17610-q1010; cer3087
V. 12, **L.** 17.45, **Th.** 7.90, **H.** 17.95,
No. of brushes 4



141242 Brush

Servicing: PG260L, -M. 10453919
V. 12, **L.** 13.18, **Th.** 4.75, **H.** 17.95,
No. of brushes 2, **Brush** 1
Brush set: Cargo 141210.

Pkg 10



141270 Brush

Servicing: 10465521; -3; -7; -46; -47; -50; -53; -58; -60; -78; -82; -606; 12563916; -7398; -71039; -71839; -7
L. 14.80, **Th.** 4.76, **H.** 17.96,
No. of brushes Single, **Brush** 10
Used w/ Cargo 141242



142043 Brush Set

Servicing: 9000902; -34; 96430345; 96550792
V. 12, **L.** 12.60, **Th.** 4.91, **H.** 14.90,
No. of brushes 4



rx1074 Brush Set

Replacing: 1946491
Servicing: 35MT. 1113391; -402; -432; -473; -476; -499; -658; -659; -660; -662; -664; -667; -669; -670; -672; -
V. 12, **L.** 22.20, **Th.** 9.45, **H.** 20.60,
No. of brushes 4



rx1084 Brush Set

Replacing: 1893296; d762
Servicing: 5MT. 10455001; -4; -6; -7; -8; -9; -15; -16; -17; -18; -19; -20; -21; -22; -23; -24; -44; -45; -46;
V. 12, **L.** 13.35, **Th.** 6.45, **H.** 15.70,
No. of brushes 4
Assort. 803016



rx1214 Brush Set

Replacing: 1852880
Servicing: 25MT. 1109216; -8; -9; -495; -496; -500; -550; -559; -563; -565; -566; -567; -13589; -13590; -13593;
V. 12, **L.** 18.85, **Th.** 8.10, **H.** 18.85,
No. of brushes 4
Assort. 803016



rx1224 Brush Set

Replacing: 1852884; RX1044
Servicing: 40MT. 10461041; -5; -6; -7; -8; -59; -60; -61; 1114802; -7; -8; -9; -10; -11; -12; -13; -14; -15; -1
V. 12, **L.** 21.00, **Th.** 9.40, **H.** 38.05,
No. of brushes 4
Type 400, 450.



rx122h4 Brush Set

Replacing: 1852882; -3; RX1034
Servicing: 40MT. 1109295; -545; -790; -14682; -14687; -14688; -14805; -14816; -14830; -14839; -14840; -14841; -
V. 24, **L.** 21.30, **Th.** 9.45, **H.** 38.20,
No. of brushes 4
Type 400, 450.
Assort. 803016



rx1246 Brush Set

Replacing: 1852887; RX128H6
Servicing: 50MT. 10478813; -77; -81; -906; -917; 1990277; -98; -3859; -3864; -3968
V. 12, **L.** 20.70, **Th.** 8.00, **H.** 38.05,
No. of brushes 6



rx124h6 Brush Set

Replacing: 1852888
Servicing: 50MT. 10478800; -7; -8; -43; -44; -45; -46; -48; -49; -50; -51; -52; -53; -54; -55; -56; -57; -58; -
V. 24/64, **L.** 21.10, **Th.** 8.00, **H.** 38.00,
No. of brushes 6
Type 400.
Assort. 803016



rx1344 Brush Set

Replacing: 1852892
Servicing: 42MT. 10478801; -2; -3; -4; -9; -10; -24; -94; -918; -931; -932; -933; -934; -935; -936; -951; -962;
V. 12, **L.** 25.00, **Th.** 10.70, **H.** 36.95,
No. of brushes 4



rx134h4 Brush Set

Replacing: 1852894; RX1364
Servicing: 42MT. 10478820; -36; -39; -92; -93; -937; -938; -939; -940; -941; -942; -943; -944; -946; -947; -948
V. 24, **L.** 25.05, **Th.** 10.75, **H.** 36.90,
No. of brushes 4
Assort. 803016



rx1354 Brush Set

Replacing: 1852889; -91
Servicing: 37MT, 41MT. 10461169; -78805; -78806; -78812; -78818; -78825; -78890; -78897; -78921; -78926; -78927
V. 12, **L.** 27.85, **Th.** 9.45, **H.** 28.60,
No. of brushes 4



rx135h4 Brush Set

Replacing: 9x4825; 1852893; SG12S034
Servicing: 37MT, 41MT. 10478811; -4; -5; -7; -9; -26; -98; -925; -960; -961; -976; -9013; -9014; -9015; -9016;
V. 24, **L.** 27.60, **Th.** 9.45, **H.** 28.60,
No. of brushes 4



rx558 Brush Set

Replacing: 1906902; -9; d756; 1874852
Servicing: 40MT. 1009812; 1108701; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18;
V. 12/24/32, **L.** 13.50, **Th.** 9.45, **H.** 19.05,
No. of brushes 8

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



rx604 Brush Set

Replacing: 1906945; -66; 1946400; d757

Servicing: 5MT, 8MT, 10MT. 10455300; -1; -5; -6; -8; -9; -10; -11; -12; -14; -15; -16; -17; -18; -19; -20; -21;

V. 12, **L.** 15.80, **Th.** 6.50, **H.** 18.65,
No. of brushes 4
Assort. 803016



rx664 Brush Set

Replacing: 1892890; 1906990

Servicing: 30MT. 1107515; -47; -48; -53; -55; -869; -9051; -9140; -13101; -13105; -13113; -13115; -13117; -1311

V. 24, **L.** 18.90, **Th.** 9.45, **H.** 18.90,
No. of brushes 4



rx698 Brush Set

Replacing: 1906988

Servicing: 40MT. 10461041; -5; -6; -7; -8; -59; -60; -61; 1108951; -2; -3; -8; -66; -69; -81; -84; -90; -94; -9

V. 12, **L.** 19.45, **Th.** 9.45, **H.** 19.00,
No. of brushes 8



rx708 Brush Set

Replacing: 1906986; 1946407; -73; -83

Servicing: 40MT. 1109827; -13172; -13386; -13477; -13483; -13485; -13487; -13539; -13540; -13542; -13544; -1358

V. 24, **L.** 19.40, **Th.** 9.50, **H.** 19.00,
No. of brushes 8
Assort. 803016



rx874 Brush Set

Replacing: 1906958; -62; -68; -87; 1946484

Servicing: 30MT, 35MT. 1109045; -6; -7; -8; -50; -13001; -13002; -13003; -13004; -13005; -13006; -13007; -13008

V. 12, **L.** 18.90, **Th.** 9.45, **H.** 18.90,
No. of brushes 4
Assort. 803016



rx9212 Brush Set

Replacing: 1906918; -89; 1946426; -87

Servicing: 50MT. 10478827; 1109220; -1; -2; -4; -74; -75; -76; -77; -78; -79; -80; -81; -82; -83; -84; -85; -86

V. 24, **L.** 18.90, **Th.** 7.80, **H.** 18.90,
No. of brushes 12
Assort. 803016



rx954 Brush Set

Replacing: 1946434; 1976861

Servicing: 25MT. 1107506; -8; -10; -11; -12; -13; -16; -17; -18; -19; -20; -21; -22; -23; -24; -25; -26; -27; -

V. 6/12, **L.** 18.85, **Th.** 9.55, **H.** 18.85,
No. of brushes 4
Assort. 803016

Bushings

Pkg 10



140036 Bearing Bushinging

Replacing: 3471553; 140036

Servicing: 3471143; -4; -50; -52; -53; -54; -55; -57; -59; -62; -63; -64; -65; -68; -69; -70; -71; -72; -73; -

O.D. 14.08, **I.D.** 12.11, **L.** 14.00, **Material** Copper

Pkg 10



140053 Bearing Bushinging

Replacing: 10472567; 255491; tcb123; 24-23; mg-77a

Servicing: 37MT. 10478812; -5; -7; -8; -97; -98; -925; -926; -961; -999; -9013; -9014; -9015; -9016; -9020; -90

O.D. 19.10, **I.D.** 15.90, **L.** 18.80, **Type** Standard, **Material** Copper
Assort. 803025

Pkg 10



140064 Bearing Bushinging

Replacing: 35070; 82775; 035070; 140037
O.D. 15.00, **I.D.** 12.00, **L.** 19.80, **Type** Standard, **Material** Copper
Assort. 803019

Pkg 10



140070 Bearing Bushinging

Replacing: 1894636; 38273; d1666
Servicing: 40MT. 1009812; 10461041; -5; -6; -7; -8; -59; -60; -61; 1108701; -2; -3; -4; -5; -6; -7; -8; -9; -10
O.D. 19,19, **I.D.** 14,41, **L.** 24,59, **Material** Copper
Assort. 803014

Pkg 10



140071 Bearing Bushinging

Replacing: 1943628; d1674
Servicing: 35MT, 37MT, 40MT. 10461169; -78801; -78802; -78803; -78804; -78805; -78806; -78809; -78810; -78811;
O.D. 19,11, **I.D.** 14,31, **L.** 19,2, **Material** Copper
Assort. 803014

Pkg 10



140074 Bearing Bushinging

Replacing: 1894635; 1942258; 1945509; 1955991; -4; d1684; 140199
Servicing: 40MT, 50MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -169; -78800; -78801; -78802; -78803; -78804; -
O.D. 19.20, **I.D.** 15.93, **L.** 21.92, **Type** Standard, **Material** Copper
Assort. 803014

Pkg 10



140181 Bearing Bushinging

Replacing: 1938743; 35058; 810620; d1676
Servicing: 5MT, 8MT, 10MT, 25MT, 27MT. 1108267; -9509; -9513; -9518; -9519; -9673; -9675; -9679; -9680; -9683;
O.D. 15.91, **I.D.** 14.30, **L.** 16.49, **Type** Standard, **Material** Copper
.565X.627X.675"
Assort. 803014

Pkg 5



140182 Bearing Bushinging

Replacing: 820148; d1678
Servicing: 25MT. 1107071; -146; -848; -849; -851; -852; -973; -977; -981; -8001; -8003; -8040; -8239; -8240; -8
O.D. 20.50, **I.D.** 19.00, **L.** 18.50, **Type** Standard, **Material** Copper
Assort. 803014

Pkg 5



140183 Bearing Bushinging

Replacing: 1923904; 1932190; d1688
Servicing: 5MT, 10MT. 10455309; -10; -11; -44; -45; -46; -603; -604; 1107233; -74; -86; -312; -314; -321; -331;
O.D. 13.17, **I.D.** 12.00, **L.** 12.75, **Material** Copper
Assort. 803014

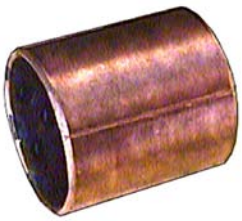
Pkg 5



140184 Bearing Bushinging

Servicing: 5MT. 1007010044; 1107006; -12; -14; -15; -16; -17; -21; -24; -25; -28; -29; -30; -35; -36; -37; -40;
O.D. 15,93, **I.D.** 14,38, **L.** 17,2, **Material** Copper
Assort. 803014

Pkg 5



140185 Bearing Bushinging

Replacing: 1836505; 1839345; -8; 1939345; d1680
Servicing: 25MT, 27MT. 1007003; 1107001; -5; -7; -8; -9; -13; -18; -19; -22; -23; -33; -38; -39; -41; -47; -49;
O.D. 14.30, **I.D.** 12.75, **L.** 19,84, **Material** Copper
.501X.563X.781
Assort. 803014

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



140186 Bearing Bushinging

Replacing: 1752378; 38296; 1889907

O.D. 14.33, **I.D.** 12.77, **L.** 19.84, **Material** Copper

Pkg 5



140206 Bearing Bushinging

Replacing: 1988096

Servicing: 42MT. 10478801; -2; -3; -4; -9; -10; -20; -24; -36; -39; -92; -93; -94; -918; -931; -932; -933; -934

O.D. 24.38, **I.D.** 21.25, **L.** 25.10, **Type** Standard, **Material** Copper

Assort. 803014

Pkg 5



140214 Bearing Bushinging

Replacing: 1985234

Servicing: 37MT. 10461169; -78805; -78806; -78811; -78812; -78814; -78815; -78817; -78818; -78819; -78825; -788

O.D. 25.70, **I.D.** 22,68, **L.** 25.00, **Material** Copper

Assort. 803014

Pkg 5



140215 Bearing Bushinging

Replacing: 1872678; 1891927; d1671

Servicing: 35MT. 10455500; 1107051; -71; -81; -86; -90; -117; -146; -149; -185; -213; -249; -253; -254; -256; -

O.D. 17,53, **I.D.** 14,3, **L.** 19.00, **Material** Copper

Assort. 803014

Pkg 5



140217 Bearing Bushinging

Replacing: 1862383; d1689

Servicing: 20MT. 10455312; -6; -7; -8; -9; -20; -21; -22; -23; -24; -26; -27; -28; -29; -30; -31; -32; -33; -34

O.D. 15,94, **I.D.** 12,76, **L.** 20,62, **Material** Copper

Assort. 803014

Pkg 10



140262 Bearing Bushinging

O.D. 13.20, **I.D.** 12.15, **L.** 12.56, **Type** Standard, **Material** Copper

Pkg 10



140268 Bearing Bushinging

Replacing: 9936044; 74881110; 140268

O.D. 16.00, **I.D.** 12.00, **L.** 11.80, **Material** Copper

Assort. 803020

Pkg 10



140269 Bearing Bushinging

Replacing: 3835-38; 9938364; -8; 74887310; 140269

O.D. 16.00, **I.D.** 12.00, **L.** 16.75, **Type** Standard, **Material** Copper

Assort. 803020

Pkg 5



140404 Bearing Bushinging

Replacing: 1962606

Servicing: 10MT, 20MT, 22MT, 25MT, 27MT. 10455322; -4; -5; -6; -31; -500; 1107295; -6; -7; -308; -322; -335; -3

O.D. 31,81, **I.D.** 19,19, **L.** 10,29, **Material** Copper

Assort. 803014

Pkg 10



140405 Bearing Bushinging

Replacing: 1984268
Servicing: 8MT, 10MT. 10455314; -5; -600; -601; -602; 1109055; -80; -84; -85; -92; -356; -363; -365; -369; 1998
O.D. 13.20, **I.D.** 11.90, **L.** 18.10, **Type** Standard, **Material** Copper
Assort. 803014

Pkg 10



140406 Bearing Bushinging

Replacing: 1933999; 140075
Servicing: 30MT, 35MT. 1113031; -59; -89; -90; -100; -101; -111; -113; -114; -115; -119; -121; -124; -126; -130
O.D. 22.60, **I.D.** 19.30, **L.** 19.25, **Material** Copper
Assort. 803014

Pkg 5



140477 Bearing Bushinging

Replacing: 1894637; 1923484; 140072
Servicing: 40MT, 50MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78807; -78808; -78813; -78827; -78828;
O.D. 24.50, **I.D.** 21,3, **L.** 31,75, **Material** Copper
Assort. 803014

Pkg 5



140478 Bearing Bushinging

Replacing: 1869755; 1894638; 140152
Servicing: 50MT. 10478800; -7; -8; -13; -27; -28; -29; -30; -43; -44; -45; -46; -48; -49; -50; -51; -52; -53; -
O.D. 22.30, **I.D.** 17.50, **L.** 28.45, **Material** Copper
Assort. 803014

Pkg 10



140601 Bearing Bushinging

Replacing: 10456459; 0-23351-0220
Servicing: 28MT. 10479600; -4; -5; -6; -7; -8; -11; -12; -13; -14; -15; -16; -17; -18; -20; -28; -34; 1113269;
O.D. 17.00, **I.D.** 14.03, **L.** 16.20, **Material** Copper
Assort. 803014

Pkg 10



140776 Bearing Bushinging

Replacing: 1894023
Servicing: 10MT, 20MT, 22MT, 25MT, 27MT. 10455317; -8; -9; -21; -27; -36; 1107146; -8239; -8240; -8250; -8251;
O.D. 22.00, **I.D.** 19.00, **L.** 18.00, **Type** Standard, **Material** Copper
Assort. 803014

Pkg 5



140939 Bearing Bushinging

Replacing: 10475580
Servicing: PG260. 9000786; -98; -805; -806; -812; -819; -820; -821; -822; -834
O.D. 8.75, **I.D.** 6.10, **L.** 10.65, **Material** Copper

Pkg 5



140940 Bearing Bushinging

Replacing: 10475582
Servicing: PG260. 9000786; -98; -805; -806; -812; -819; -820; -821; -822; -834
O.D. 16.60, **I.D.** 9.90, **L.** 8.05, **Material** Copper

Pkg 5



140941 Bearing Bushinging

Replacing: 10475631
Servicing: PG260. 9000786; -98; -805; -806; -812; -819; -820; -821; -822; -834
O.D. 11.90, **I.D.** 8.10, **L.** 9.10, **Material** Copper

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



140942 Bearing Bushinging

Replacing: 10476599

Servicing: PG260. 9000786; -98; -805; -806; -812; -819; -820; -821; -822; -834; PG260F2; PG260M

O.D. 26.70, **I.D.** 22.35, **L.** 9.00, **Material** Copper

Pkg 5



140944 Bearing Bushinging

Replacing: 1957017

Servicing: 8MT, 10MT, 25MT. 10455301; -5; -6; -8; -9; -10; -11; -12; -14; -15; -16; -17; -18; -19; -20; -21; -2

O.D. 20.60, **I.D.** 19.35, **L.** 9.50, **Material** Copper

Assort. 803014

Pkg 5



141046 Bushinging

Servicing: PG150, PG260F1.

O.D. 10.00, **I.D.** 6.10, **L.** 9.95, **Material** Copper

Pkg 5



141047 Bushinging

Servicing: PG260F1.

O.D. 12.00, **I.D.** 8.10, **L.** 6.80, **Material** Copper

Pkg 5



141048 Bushinging

Servicing: PG260F1.

O.D. 28.60, **I.D.** 22.30, **L.** 9.00, **Material** Copper

Pkg 10



141121 Bushinging

Servicing: PG200, PG250.

O.D. 14.25, **I.D.** 9.70, **L.** 7.95, **Material** Copper

Pkg 10



141122 Bushinging

Servicing: PG260F2, -G, -L. PG260F2

O.D. 14.05, **I.D.** 10.00, **L.** 9.35, **Material** Copper

Pkg 10



141123 Bushinging

Replacing: 1923907; d1682

Servicing: 8MT, 10MT, SD300. 8MT; SD300

O.D. 13.15, **I.D.** 11.95, **L.** 18.40, **Material** Copper

---

Pkg 10



141124 Bushinging

Replacing: 1984530

Servicing: 5MT, SD200. 10455018; 1109551; 1998447; -82; -529; -532; -547; SD200

O.D. 15.15, **I.D.** 13.00, **L.** 12.40, **Material** Copper

---

Pkg 10



141125 Bushinging

Servicing: PG260F2.

O.D. 26.70, **I.D.** 22.40, **L.** 8.10, **Material** Copper

Pkg 10



141126 Bushinging

Servicing: PG200, PG250.

O.D. 31.80, **I.D.** 25.60, **L.** 8.85, **Material** Copper

Pkg 10



141127 Bushinging

Replacing: 10457076

Servicing: 28MT. 10479619

O.D. 16.00, **I.D.** 13.00, **L.** 15.90, **Material** Copper

Pkg 10



141128 Bushinging

Servicing: 28MT.

O.D. 16.05, **I.D.** 13.95, **L.** 15.90, **Material** Copper

Pkg 10



141202 C.E. Bracket

Servicing: 96569440

Collar O.D. 18.42, **O.D.** 14.00, **I.D.** 10.03, **L.** 10.00, **Material** Copper

Pkg 10

142044 Bushinging

Servicing: 9000902; -34; 96430345

Collar O.D. 12.29, **O.D.** 8.78, **I.D.** 6.13, **L.** 11.42

Pkg 5

142047 Bushinging

Replacing: 96550792

O.D. 26.73, **I.D.** 22.28, **L.** 5.50

Bearings

Pkg 10



140222 Bearing 608/2rs

Replacing: 9440924; 6082rsc3; 2114-15502; -11; 2114-45511; 2114-55002; 2130-3509; s930p12070; s930p14201; s930p

Servicing: 028000-3641; -2; -4323; -4343; -4450; -4540; -4940; -4990; -5060; -5120; -5190; -5390; -5780; -5800

O.D. 22.00, **I.D.** 8.00, **H.** 7.00

Assort. 802026; 803013; 803022; 803042

Pkg 10



140271 Bearing 6000/2rs

Replacing: 1989646; 60002rsrc3; 6000j; umb120; s930p14101; 949100-2760; 60002rs1; 6000c2hrs

Servicing: 00219091; -9; 028000-6260; -7700; -8620; -8980; -9270; -9320; -9321; -9380; -9510; -9800; -9860; 10

O.D. 26.00, **I.D.** 10.00, **H.** 8.00



142021 Bearing

Servicing: 39MT. 19011501; M9T80472

O.D. 58.00, **I.D.** 28.00, **H.** 16.00, **Lock ring** With, **Teflon ring** With

w/2 grooves inside bore.

Needle Bearings

Pkg 10



140242 Needle Bearing

Replacing: 9001140384; 9440923; d6az11135a; e4fz11135a; mc189a; tla1210z; fc66624; hk1210; C6VF11135A; C6VY1113

Servicing: PMGR series. M78, M79. 0001107037; -48; -56; -100; -101; -108; -8115; -8145; -8147; -8157; -8168; -8

O.D. 16.00, **I.D.** 12.00, **L.** 10.00,

No. of rollers 18

Assort. 802035; 803013; 803026

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



140421 Needle Bearing

Replacing: 10469066; 9441607; 74905910; sce78; j78
Servicing: 5MT. 10455001; -6; -8; -9; -12; -13; -15; -24; -42; -45; -46; -47; -51; -52; -61; -64; -66; -67; -70
O.D. 15.90, **I.D.** 11.13, **L.** 12.70,
No. of rollers 15
Closed end.
Assort. 802035

Pkg 5



140468 Needle Bearing

Replacing: tla810z; hk0810; 140468
Servicing: 21020892; -3; -1366; -1648; 9000719; -35; -51; -56; -58; -62; -63; -73; -75; -76; -89; -96; -97; M9
O.D. 12.00, **I.D.** 8.00, **L.** 10.00,
No. of rollers 13
Assort. 802035; 803013

Pkg 5



140470 Needle Bearing

Replacing: 9440922; sce166; db59046
Servicing: PMGR series. 21020892; -3; -1366; -1648; 9000719; -35; -51; -58; -62; -63; -68; -73; -75; -76; -89;
O.D. 31.75, **I.D.** 25.40, **L.** 9.53,
No. of rollers 24
Assort. 803013

Pkg 5



140750 Needle Bearing

Replacing: 9441512; sce146b; 10483523
Servicing: PG260F1. 09000756; 21020892; -3; -1366; -1648; 9000700; -51; -56; -58
O.D. 28.60, **I.D.** 22.20, **L.** 9.40,
No. of rollers 24

Pkg 5



140751 Needle Bearing

Replacing: 9441510; hk0808
Servicing: PG100, 150. 09000756; 21020892; -3; -1366; -1648; 9000751; -6; -8; D7G11
O.D. 12.00, **I.D.** 8.00, **L.** 7.88,
No. of rollers 12
Assort. 802035



140752 Needle Bearing

Replacing: 9440920; sce65; j65
Servicing: PG200 PMGR, PG250 PMGR.
O.D. 14.30, **I.D.** 9.50, **L.** 7.90,
No. of rollers 12
Assort. 802035

Pkg 10



141247 Bearing

Replacing: hk0908; 141247
Servicing: 110397; -2161
O.D. 13.00, **I.D.** 9.00, **L.** 8.00,
No. of rollers 11

Repair Kits



130519 Repair Kit

Servicing: 40MT 200, 250, 300 series.

24 V.



130529 Repair Kit

Servicing: 50MT 250, 300 series.

24 V.



130967 Repair Kit

Servicing: 40MT 200, 250, 300 series.



131347 Repair Kit

Servicing: 40MT 400, 450 series.



131348 Repair Kit

Servicing: 40MT 400, 450 series.



131490 Repair Kit

Servicing: 30MT, 35MT.



131500 Repair Kit

Servicing: 42MT.



131501 Repair Kit

Servicing: 42MT.

Servicing 42MT Delco 24V.



132589 Repair Kit

Servicing: 37MT.



132590 Repair Kit

Servicing: 37MT.



132700 Repair Kit

Servicing: 25MT.



132853 Repair Kit

Servicing: 20MT, 25MT, 27MT.



133323 Repair Kit

Servicing: 3471144; -53; -54; -64; -65



133324 Repair Kit

Servicing: 3471143; -63



133325 Repair Kit

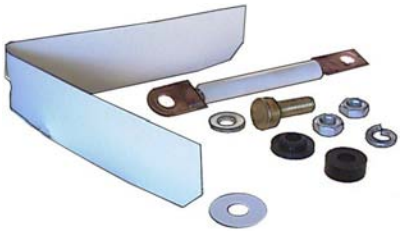
Servicing: 3471150; -68

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



133326 Repair Kit

Servicing: 3471155; -62; -69; -70; -73; -74



134840 Terminal Kit

Servicing: 28MT.



137062 Repair Kit

Servicing: 50MT 400, 450 series.

24 V Delco



137063 Repair Kit

Servicing: 40MT.



137064 Repair Kit

Servicing: 50MT.



230539 Terminal Kit

Replacing: 10498663; 1979451; 1988339; -40

Servicing: 42MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78801; -78802; -78803; -78804; -78805; -7880



232935 Repair Kit

Servicing: 50MT, Type 250, 300.



232936 Repair Kit

Servicing: 50MT 400.



232937 Repair Kit

Servicing: 10MT, 20MT, 22MT, 25MT, 27MT.



232938 Repair Kit

Servicing: 20MT, 25MT, 27MT.

12 VOLT.



232939 Brush Holder Kit

Servicing: 10-27MT.



232941 Repair Kit

Servicing: 28MT.



233732 Repair Kit

Servicing: 41MT.



233733 Repair Kit

Servicing: 41MT.

Sundry Parts

Pkg 5



131407 Sealing Gasket

Replacing: 1975127

Servicing: 1109212; -3; -4; -6

Th. 0.25

25MT.



131410 Stop Collar Kit

Replacing: 1928023

Servicing: 25MT, 27MT, 30MT. 10455316; -7; -8; -9; -20; -21; -22; -23; -24; -25; -26; -27; -28; -29; -30; -31;

Assort. 803015



131442 Stop Collar Kit

Replacing: 3471621; dr2001; D20Z13304A; 132393

Servicing: 5MT, 8MT, 10MT. 3471143; -4; -50; -52; -53; -54; -55; -57; -59; -62; -63; -64; -65; -68; -69; -70; -

Assort. 803015

Pkg 5



132055 Terminal Field Isolation

Replacing: 1949620

Servicing: 40MT.

Pkg 5



132056 Terminal Field Isolation

Replacing: 1945897; 1955989; 1967357

Servicing: 50MT. 10478800; -7; -8; -13; -27; -28; -29; -30; -43; -44; -45; -46; -48; -49; -50; -51; -52; -53; -

Pkg 5



132296 Oil Seal

Replacing: 2000121000; -3; 1114543

Servicing: 0001401044; -6; -9; -50; -67; -69; -71; -73; -2008; -2018; -2050; -2054; -2065; -2075; -2081; -1011

O.D. 54.00, **I.D.** 35.00, **H.** 4.70

Spring: Cargo 132222.

Assort. 803039

Pkg 5



132726 Shim

Replacing: 9785608

Servicing: 5MT, 10MT, 25MT.

Th. 0.40

Pkg 5



132728 Shim

Replacing: 563451

Servicing: 10MT, 25MT, 27MT.

Th. 0.50

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



133023 Plug

Replacing: 103893; 9417501
Servicing: 40MT, 50MT. 1009812; 10461041; -5; -6; -7; -8; -59; -60; -61; 1108451; -2; -3; -4; -5; -6; -8; -9; -
O.D. 26.20
Assort. 803015

Pkg 10



133024 Oil Plug

Replacing: 1949619
Servicing: 30MT, 40MT, 42MT, 50MT. 10461041; -5; -6; -7; -8; -61; -78800; -78803; -78807; -78813; -78820; -7884
Assort. 803015

Pkg 10



133025 Plug

Replacing: 9419572
Servicing: 30MT. 10455309; -10; -11; -44; -45; -46; 1108282; -6; -325; -345; -347; -350; -352; -355; -359; -364
O.D. 15.9
Assort. 803015

Pkg 10



133026 Plug

Replacing: 9411375
Servicing: 30MT, 35MT. 1113059; -89; -90; -100; -101; -111; -113; -114; -115; -119; -121; -124; -126; -130; -13
O.D. 30.20, **H.** 4.75
Assort. 803015

Pkg 10



133027 Gasket

Replacing: 1962603
Servicing: 10455325; -500; 1107295; -6; -7; -308; -322; -335; -377; -397; -398; -498; -582; -583; -869; -874;
Th. 1.50, **Material** Rubber
10MT, 20MT, 22MT, 25MT, 27MT.
Assort. 803015

Pkg 5



133974 O-Ring

Servicing: 28MT.
Th. 2.00, **Material** Rubber
Assort. 803015

Pkg 10



134665 Oil Plug

Replacing: 1955303
Servicing: 40MT, 50MT. 1113994; -5; -7
O.D. 22.20
Assort. 803015

Pkg 10



135290 Brake Washer

O.D. 29.70, **I.D.** 12.10, **Th.** 2.00, **Material** Fiber

Pkg 5



135938 Inspection Plug

Replacing: 4m1831; 1945356
Servicing: 40MT, 50MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78801; -78802; -78803; -78804; -78805;
O.D. 34.93
Brush inspection plug.

Pkg 5



138144 Ground Lead

Replacing: 1926605; 1960864

Servicing: 10MT. 10455300; -1; -5; -6; -8; -9; -10; -11; -12; -14; -15; -16; -17; -18; -19; -20; -21; -22; -23;

I.D. 4.25, **L.** 16.25, **Lead L.** 64.5, **W.** 9.45 *D*



138223 Plug

Servicing: PG260.

Pkg 10



138224 Drain Tube

Replacing: 10475584; 10489381

Servicing: PG260. 9000786; -98; -806; -812; -834

O.D. 8.15, **I.D.** 6.20, **L.** 25.80

Pkg 10



138225 Cover

Replacing: 10475583

Servicing: PG260. 9000786; -98; -805; -806; -812; -819; -820; -821; -822; -834

O.D. 17.00, **H.** 4.85

Pkg 5



138659 Brake Washer

Replacing: 1986470

Servicing: 10MT, 20MT, 25MT, 27MT. 10455317; -8; -9; -21; -23; -36; 1113593; -4; -6; -7; -8; -9; -600; 1998212;

O.D. 50.80, **I.D.** 20.50, **Th.** 3.20

Pkg 5



138660 Brake Washer

Replacing: 821453

Servicing: 10MT, 20MT, 25MT, 27MT, 30MT, 35MT. 10455301; -5; -6; -8; -9; -10; -11; -12; -14; -15; -16; -17; -18

O.D. 50.80, **I.D.** 19.10, **Th.** 2.40

Pkg 5



138680 Ground Lead

Replacing: 1876361; 1892160; 1930694; 1987254

Servicing: 15MT/GR, 20MT, 22MT, 25MT, 27MT, 30MT, 35MT. 10455500; 1107547; -72; -9216; -9217; -9218; -9219; -92

I.D. 4.30, **L.** 16.55, **Lead L.** 55.00, **W.** 8.90

Pkg 10



139332 Pole Shoe Screw

Replacing: 10499632; 1913100; 1968396; 1970469

Servicing: 37MT, 40MT, 42MT, 50MT. 1007003; 1007010044; 1009812; 10455300; -1; -5; -6; -8; -9; -10; -11; -12; -

Thread L. 11.25, **L.** 16.45, **Thread** M10

Pkg 5



139798 Grommet

Replacing: 1846097; 1893370; 1955946; -7

Servicing: 10MT, 15MT/GR, 20MT, 22MT, 25MT, 27MT. 10455300; -1; -5; -6; -8; -9; -10; -11; -14; -15; -16; -17; -

Pkg 10



139983 Brake Washer

Replacing: 1984076; 1985617

Servicing: 42MT. 10455317; -8; -9; -21; -22; -23; -24; -25; -26; -27; -31; -500; -600; -601; -602; -78801; -788

O.D. 33.30, **I.D.** 14.30, **Th.** 3.20

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



230017 Oil Wick

Replacing: 1916439; 1920400; 1986466

Servicing: 10-27MT. 1009812; 10455321; -3; -36; -500; -61041; -61045; -61046; -61047; -61048; -61059; -61060; -

H./th. 7.90

Pkg 5



230029 Brake Washer

Replacing: 10498921; 818265

Servicing: 10MT. 1007003; 10455300; -1; -5; -6; -8; -9; -10; -11; -12; -14; -15; -16; -20; -28; -29; -30; -43;

O.D. 33.50, **I.D.** 14.50, **Th.** 3.50, **Material** Leather

---

Pkg 10



230105 Insulator

Replacing: 1927853; 1976832

Servicing: 8MT, 10MT. 10455600; 1107159; -201; -203; -204; -205; -209; -214; -215; -217; -222; -224; -226; -227

Insulator 10

Pkg 10



230106 Grommet

Replacing: 1935168; 1945827; 1966391

Servicing: 10MT. 1107201; -3; -4; -5; -6; -14; -15; -22; -24; -28; -29; -33; -34; -37; -42; -45; -47; -48; -49;

O.D. 18.45, **I.D.** 10.55, **H.** 15.10

Pkg 5



230107 Brake Washer

Replacing: 1914842

Servicing: 10MT. 1007010044; 10461041; -5; -6; -7; -8; -59; -60; -61; 1107006; -12; -14; -15; -16; -17; -21; -2

O.D. 25.00, **I.D.** 14.30, **Th.** 1.60, **Material** Steel

Pkg 5



230188 Stop Collar

Replacing: 10456465

Servicing: 28MT. 10479600; -4; -5; -6; -7; -8; -11; -12; -13; -14; -15; -16; -17; -18; -20; -28; -34; 1113269;

O.D. 20.00, **I.D.** 14.00, **Th.** 6.5, **Material** Steel

Used w/ retaining ring: Cargo 230189.

Pkg 5



230189 Retaining Ring

Replacing: 10456475

Servicing: 28MT.

Th. 2.00

Used w/ stop collar: Cargo 233188.



230408 Heat Shield

Replacing: 10467629

Servicing: SD210. -260. 10455011; -2; -3; -42; -54; -70

O.D. 46.65, **I.D.** 44.65, **H.** 25.85

Pkg 10



230411 Drain Tube

Replacing: 10467614

Servicing: SD210. -260. 10455012; -3; -42; -64; -67; -70

O.D. 9.10, **I.D.** 6.10, **L.** 24.00

Pkg 5



230414 Drain Tube

Replacing: 10497538

Servicing: PG100, -150, -200, -250. 9000719; -35; -73; -76; -97

O.D. 7.65, **I.D.** 4.95, **L.** 22.10



230416 Grommet

Replacing: 1984527

Servicing: 5MT. 10455001; -4; -6; -7; -8; -9; -15; -16; -17; -18; -19; -20; -21; -22; -23; -24; -44; -45; -46;

Pkg 10



230417 Oil Cup

Replacing: 1985246

Servicing: 37MT, 42MT. 10478801; -2; -3; -4; -5; -6; -9; -10; -11; -12; -14; -15; -17; -18; -19; -20; -24; -25;

O.D. 14.30, **H.** 10.55

Pkg 10



230419 Oil Cup

Replacing: 1978756

Servicing: 35MT ext rotatable, 40MT 400. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78802; -78803; -7880

O.D. 15.90, **H.** 9.65

Pkg 5



230472 Brake Washer

Replacing: 10499094

Servicing: 5MT, SD210, -260. 10455001; -4; -6; -7; -8; -9; -10; -11; -12; -13; -15; -16; -17; -18; -19; -20; -2

O.D. 33.30, **I.D.** 12.70, **Th.** 3.20, **Material** Leather

Pkg 10



230515 Screw

Replacing: 1914869

Servicing: 35MT, 37MT, 40MT, 42MT, 50MT. 1009812; 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78807; -788

Collar L. 24.55, **L.** 29.45, **Thread** M8

Pkg 10



230516 Screw

Replacing: 1948537

Servicing: 35MT, 37MT, 40MT, 42MT, 50MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78807; -78808; -7881

Collar L. 21.45, **L.** 29.70, **Thread** M8



230538 Seal Kit

Servicing: 37MT, 42MT.



230540 Insulation Kit

Replacing: 1851632; 1906031; -46; -302; 1913027; 1944841; 1946765

Servicing: 42MT. 1009812; 10478800; -7; -8; -13; -30; -43; -44; -45; -46; -48; -49; -50; -51; -52; -53; -54; -5



230541 Terminal Lead

Replacing: 1988128; -9

Servicing: 42MT. 10478801; -2; -3; -4; -9; -10; -20; -39; -92; -93; -94; -918; -931; -932; -933; -934; -935; -9

I.D. 4.50, **Lead L.** 92.80

Pkg 10



230545 Brake Washer

O.D. 30.00, **I.D.** 12.00, **Th.** 1.00

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



230547 Grommet

Replacing: 1949327
Servicing: 10MT.



230555 Brake Washer

Replacing: 1911644
Servicing: 42MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78801; -78802; -78803; -78804; -78807; -7880
O.D. 47.60, **I.D.** 21.40, **Th.** 4.80



230592 Repair Kit

Servicing: 28MT.

Pkg 5



230594 Connector

Replacing: 1876358; 1978136
Servicing: 20MT, 22MT, 25MT, 27MT. 10455500; 1107575; -81; -83; -84; -86; -88; -89; -91; -92; -93; -98; -99; -6
L. 50.65, **Mount. hole 1** 4.00, **Mount. hole 2** 5.00
Connecting fieldcoild to solenoid.



230595 Repair Lead

Servicing: 20MT, 22MT, 25MT, 27MT.
I.D. 5.45, **L.** 19.40, **Lead L.** 76.60, **W.** 11.05
Repair lead for field coil.



230661 Seal Kit

Servicing: 28MT.

Pkg 10



230796 Washer

Replacing: 1914647
Servicing: 30MT, 35MT, 40MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78807; -78808; -78813; -78827; -
O.D. 22.30, **I.D.** 12.70, **Th.** 0.80, **Material** Steel

Pkg 10



230798 Insulator

Replacing: 1861791; 1922457
Servicing: 40MT, 50MT. 1009812; 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78807; -78808; -78813; -78827
O.D. 23.80, **I.D.** 12.70, **Th.** 2.20, **Insulator** 10

Pkg 5



230819 Connector

Replacing: 1945468
Servicing: 35MT ext rotatable, 40MT. 10461041; -5; -6; -7; -8; -59; -60; -61; 1109274; -13172; -13386; -13393;
L. 46.00, **Mount. hole 1** 14.15, **Mount. hole 2** 14.25
Connecting fieldcoild to solenoid.

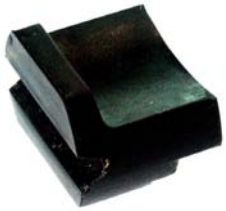
Pkg 10



232518 Reducing Bushinging

Servicing: 37MT, 40MT, 41MT, 42MT.
O.D. 16.85, **I.D.** 13.25, **L.** 16.20, **Material** Steel

Pkg 5



232587 Plug

Replacing: 1989948
Servicing: PG200, -250. 9000756



232588 Seal

Replacing: 801834
Servicing: 10MT, SD300. 10455306; 1108442; -8; 1998396; -7; -438; -443; -491; -560; -565; -579; -588; -589

Pkg 5



232589 Plug

Servicing: 28MT.
O.D. 27.20, **H.** 19.85
Used w/ plate: Cargo 233397.

Pkg 5



232590 C.E. Terminal Lead

Replacing: 10497104; -5; 1953236; 1988377
Servicing: 37MT, 40MT, 41MT, 42MT, 50MT. 10478800; -1; -2; -3; -4; -9; -10; -13; -20; -24; -25; -26; -27; -28;
I.D. 13.00/5.00, **L.** 27.30/24.65, **Lead L.** 209.10, **W.** 19.10/10.90
Wire lead from CE Terminal to solenoid.

Pkg 5



232599 Insulator

Replacing: 1946542
Servicing: 30MT, 35MT. 1113148; -57; -90; -402; -626; -655; -672
Insulator 5

Pkg 5



232672 Repair Lead

Servicing: 5MT, SD200, SD250. SD200; -50
I.D. 3.95, **L.** 15.00, **Lead L.** 56.35, **W.** 7.25
Repair lead for field coil.

Pkg 5



232673 Repair Lead

Servicing: 5MT, SD200, SD250.
I.D. 4.00, **L.** 14.80, **Lead L.** 168.60, **W.** 7.20
Repair lead for field coil.

Pkg 5



232674 Repair Lead

Servicing: 5MT, SD200, SD250.
I.D. 5.25, **L.** 19.85, **Lead L.** 40.80, **W.** 8.90
Repair lead for field coil.

Pkg 5



232675 Repair Lead

Servicing: 10MT, SD300. SD300
I.D. 5.20, **L.** 15.95, **Lead L.** 70.85, **W.** 10.05
Repair lead for field coil.

Pkg 5



232913 Gasket

Replacing: 1966263
Servicing: 30MT, 35MT. 1113148; -57; -90; -402; -626; -655; -672
Th. 0.40

Pkg 5



232914 Gasket

Replacing: 1946012
Servicing: 30MT, 35MT. 1113101; -11; -13; -14; -15; -56; -57; -59; -69; -74; -77; -82; -90; -200; -209; -373; -
Th. 1.60, **Material** Rubber

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



232915 Gasket

Replacing: 1933111
Servicing: 40MT, 50MT. 10461041; -5; -6; -7; -8; -59; -60; -61; 1109624; -5; -6; -7; -8; -9; -30; -31; -32; -33
Th. 0.5

Pkg 5



232916 Gasket

Replacing: 4h7869; 232916
Servicing: 40MT, 50MT.
Th. 1.65

Pkg 10



232917 Gasket

Replacing: 112632
Servicing: 10MT, 20MT, 22MT, 27MT.
Th. 0.80

Pkg 5



232918 Gasket

Replacing: 10475908
Servicing: PG260M. 9000786; -98; -805; -806; -812; -819; -820; -821; -822; -834
Th. 0.4



232919 Gasket

Servicing: PG260M.
L. 91.00, **Th.** 6.00, **W.** 91.00



232920 Seal

PG260F2.



232921 Grommet

Replacing: 1985318
Servicing: 37MT. 1990309; -10; -11; -12; -13; -15; -16; -17; -18; -19; -20; -21; -22; -26; -27; -36; -41; -47;

Used w/bracket C.E. Cargo: 232565



232922 Grommet

Servicing: PG200, PG250.



232923 Gear Cover

Servicing: PG260F2.
O.D. 74.50, **H.** 2.65

Pkg 5



232924 Cover

Replacing: 10475642
Servicing: PG260M. 9000798; -804; -805; -806; -812; -819; -821; -822; -827; -834; -835; -844; -850; -851; -853;
O.D. 70.45, **H.** 8.50



232925 Plate

Replacing: 1948513
Servicing: 40MT. 1113818; -20; -24; -25; -27; -30; -31; -32; -40; -42; -45; -46; -49; -50; -51; -52; -53; -55;

Pkg 5



232928 Retaining Ring

Replacing: 1986928

Servicing: 37MT. 10478805; -6; -11; -14; -19; -25; -26; -90; -921; -927; -928; -929; -930; -949; -953; -957; -9



232929 Thermostat

Replacing: 10468899; 10498158

Servicing: 37MT, 41MT, 42MT. 10478824; -36; -953; -964; -965; -967; -979; -997; -9019; -9027; -9030; -9038; -90



232931 Oil Wick

Replacing: 1947350

Servicing: 30MT, 35MT. 1009812; 1100001; -2; -3; -4; -5; -6; -7; -8; -9; -10; -11; -12; -13; -16; -18; -19; -21

H./th. 6.50

Pkg 5



232933 Stop Collar

Replacing: 10457034

Servicing: 28MT. 10479619; 1113287

O.D. 20.00, **I.D.** 13.00, **Th.** 6.40, **Material** Steel

Used w/ retaining ring: Cargo 232934.

Pkg 5



232934 Retaining Ring

Servicing: 28MT.



232985 Mounting Shim

Servicing: 5MT, 10MT.

Th. 1.95

Pkg 5



232987 Thrust Collar

Replacing: 10477310

Servicing: PG200, -250. 09000794; -801; 10455506

O.D. 20.00, **I.D.** 12.00, **Th.** 4.15, **Material** Steel

Used w/ retaining ring: Cargo 233014. Used w/ stop collar: Cargo 233013.

Pkg 5



232988 Thrust Collar

Replacing: 10495897; -28

Servicing: 5MT, 10MT, PG100, PG150. 10455001; -6; -8; -9; -10; -11; -12; -13; -15; -24; -25; -26; -42; -44; -45

O.D. 19.00, **I.D.** 12.00, **Th.** 2.60, **Material** Steel

Pkg 5



232994 Grommet

Replacing: 1893303

Servicing: 5MT, SD200. 1109521; -2; -3; -4; -6; -8; -30; SD200

Aluminium

Pkg 5



232995 Grommet

Replacing: 1893304

Servicing: 5MT, SD200. 1109521; -2; -3; -4; -6; -8; -30; SD200

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



232998 Insulator

Replacing: 1914873

Servicing: 30MT, 35MT, 37MT, 40MT, 41MT, 42MT,50MT. 1009812; 10461047; -78800; -78807; -78808; -78813; -78827;

Insulator 5



232999 Insulator

Replacing: 1955990

Servicing: 40MT. 10461041; -5; -6; -7; -8; -59; -60; -61; 1113818; -20; -24; -25; -27; -30; -31; -32; -40; -42;

Insulator 1

Pkg 10



233000 Insulator

Replacing: 1988100

Servicing: 37MT, 41MT, 42MT. 10478801; -2; -3; -4; -5; -6; -9; -10; -11; -12; -14; -15; -17; -18; -19; -20; -24

Insulator 10

Pkg 10



233002 Insulator

Servicing: 28MT.

Insulator 10

W. 34.00. L. 262.00.

Pkg 10



233003 Insulator

Replacing: 1931783

Servicing: 30MT, 35MT. 1113001; -6; -8; -10; -14; -15; -16; -17; -18; -19; -20; -21; -22; -24; -26; -27; -29; -

O.D. 23.75, **I.D.** 9.50, **Th.** 9.85, **Insulator** 10, **Material** Plastic

---

Pkg 10



233004 Connector

Servicing: 20MT, 22MT, 25MT, 27MT. 20MT; -2MT; -5MT; -7MT

L. 50.75, **Mount. hole 1** 5.30,
Mount. hole 2 M5

As Cargo 230594 only w/ hex screw for easy installation.

Pkg 10



233005 Connector

Replacing: 1942249

Servicing: 30MT. 1113059; -89; -90; -100; -101; -105; -111; -113; -114; -115; -117; -118; -119; -121; -123; -12

L. 43.00, **Mount. hole 1** 11.55,
Mount. hole 2 11.35

Connecting fieldcoild to solenoid.



233006 Connector

Replacing: 1946394

Servicing: 35MT. 1113367; -8; -73; -76; -77; -80; -81; -83; -402; -409; -626; -633; -634; -635; -636; -637; -63

L. 71.65, **Mount. hole 1** 10.50,
Mount. hole 2 10.45/19.15

Connecting fieldcoild to solenoid.



233007 Connector

Replacing: 10476198; 1988134

Servicing: 42MT. 10478968; -71; -77; -78; -80; -83; -84; -85; -86; -87; -88; -89; -90; -91; -92; -96; -97; -98;

L. 67.00, **Mount. hole 1** 7.55,
Mount. hole 2 14.45

Connecting fieldcoild to solenoid.



233008 Terminal

Servicing: 37MT, 41MT, 42MT.
L. 25.00, **Thread** M6

Pkg 5



233009 Retaining Ring

Replacing: 1928022
Servicing: 10MT, 15GR, 20MT, 22MT, 25MT, 27MT, 30MT, 35MT. 10455316; -7; -8; -9; -20; -21; -22; -23; -24; -25;
Th. 1.75
Used w/ stop collar: Cargo 233010.

Pkg 5



233010 Stop Collar

Replacing: 1851546; C5AZ10A355A
Servicing: 30MT, 35MT. 1113089; -90; -111; -115; -124; -136; -137; -138; -139; -150; -153; -155; -157; -162; -1

Used w/ retaining ring: Cargo 233009.

Pkg 5



233011 Stop Collar

Replacing: 1928021
Servicing: 10MT, 15GR, 20MT, 22MT, 25MT, 27MT, 30MT, 35MT.
O.D. 20.00, **I.D.** 14.30, **Th.** 4.00, **Material** Steel
Used w/ retaining ring: Cargo 233009.

Pkg 5



233012 Thrust Collar

Replacing: 1964410
Servicing: 20MT, 22MT, 25MT, 27MT. 10455500; 1107575; -7; -82; -91; -99; -863; -871; -9197; -9208; -9217; -9251
O.D. 19.00, **I.D.** 12.5, **Th.** 2.70, **Material** Steel
Used w/ stop collar: Cargo 233011. Used w/ retaining ring: Cargo 233009.

Pkg 5



233013 Stop Collar

Replacing: 1927849; 610141
Servicing: 5MT, 8MT, 10MT, SD210, -250, -255, -260, -300, PG100, -150, -200, -250. 09000756; -94; -801; 1045500
O.D. 17.30, **I.D.** 12.00, **Th.** 4.30, **Material** Steel
Used w/ retaining ring: Cargo 233014.

Pkg 5



233014 Retaining Ring

Replacing: 1927848; 610142
Servicing: 5MT, 8MT, 10MT, SD210, -250, -255, -260, -300, PG100, -150, -200, -250. 09000756; -94; -801; 1045500

Pkg 5



233015 Thrust Collar

Replacing: 1927850; 1941067
Servicing: 5MT, 8MT, 10MT, SD200, -300. 10455004; -7; -16; -17; -18; -19; -20; -21; -22; -23; -301; -305; -306;
O.D. 17.50, **I.D.** 12.16, **Th.** 2.45, **Material** Steel
Used w/ stop collar: Cargo 233013.

Pkg 5



233141 Gasket

Replacing: 1945476
Servicing: 40MT, 50MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78807; -78808; -78813; -78827; -78828;
Th. 2.00, **Material** Rubber

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



233142 Gasket

Replacing: 1964857

Servicing: 30MT, 35MT, 37MT, 40MT, 41MT, 42MT,50MT.

Th. 2.50, **Material** Rubber

Used w/ CE Bracket: Cargo 232565.

Pkg 5



233143 Connector

Replacing: 10495763

Servicing: 37MT. 1993701; -7; -9; -11; -29; -32; -41; -42; -44; -71; -73; -829; -831; -838; -861; -862

L. 88.60, **Mount. hole 1** 7.65, **Mount. hole 2** 14.25

Connecting fieldcoild to solenoid. M terminal 1/2"-13.

Pkg 5



233144 Connector

Replacing: 1945862

Servicing: 50MT. 10478800; -43; -46; -48; -49; -50; -51; -52; -53; -54; -55; -56; -58; -59; -60; -61; -62; -63;

L. 55.25, **Mount. hole 1** 14.55, **Mount. hole 2** 14.55

Connecting fieldcoild to solenoid.

Pkg 5



233145 Connector

Replacing: 1987678

Servicing: 37MT. 1990308; -9; -10; -11; -12; -13; -15; -16; -18; -19; -20; -21; -22; -26; -27; -36; -41; -47; -

L. 23.90, **Mount. hole 1** 9.5

Connecting field coil to solenoid.

Pkg 5



233146 Connector

Replacing: 10468109

Servicing: 37MT. 10478805; -6; -11; -12; -14; -15; -17; -18; -19; -25; -26; -90; -97; -98; -921; -925; -926; -9

L. 77.50, **Mount. hole 1** 7.70, **Mount. hole 2** 8.10

Connecting field coil to solenoid.



233147 Seal

Replacing: 1957886

Servicing: 10MT.

O.D. 90.45, **I.D.** 36.60, **Th.** 2.10, **Material** Steel

Pkg 5



233149 Cover

Replacing: 10469185

Servicing: PG200, PG250. 9000719; -35; -62; -63; -68; -73; -75; -76; -89; -96; -97

O.D. 76.10, **H.** 4.90

Pkg 10



233155 Shim

Replacing: 14057993; 53000762

Servicing: 5MT, 10MT, SD200, SD210. SD200; -10

O.D. 122.00, **Th.** 1.00, **Material** Steel



233156 Shim

Servicing: 5MT, 10MT, SD200, SD210. sd210

O.D. 121.15, **Th.** 1.95, **Material** Steel

Pkg 5



233157 Terminal

Replacing: 10469631; 1986243

Servicing: 37MT, 41MT. 10478805; -11; -15; -19; -26; -957; 1990308; -3738; -3759; -3767; -3770; -3771; -3773; -

L. 56.00, **Thread** M14/M10

Pkg 5



233158 Oil Wick

Replacing: 1985247

Servicing: 37MT, 41MT, 42MT. 10478801; -2; -3; -4; -5; -6; -9; -10; -11; -12; -14; -15; -17; -18; -19; -20; -24

H./th. 10.50

Pkg 5



233159 Oil Wick

Replacing: 1978754; 1988138

Servicing: 37MT, 41MT, 42MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78801; -78802; -78803; -78804; -

H./th. 13.00

Pkg 5



233160 Plug

Servicing: 37MT, 41MT, 42MT.

O.D. 21.00, **H.** 9.50

Pkg 5



233161 Oil Wick

Replacing: 1972977

Servicing: 40MT, 50MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78807; -78808; -78813; -78827; -78828;

H./th. 13.00

Pkg 5



233162 Pipe Plug

Replacing: 10476564; 453465; 9427882

Servicing: 10MT, 20MT, 22MT, 25MT, 27MT, 30MT, 35MT, 40MT, 50MT. 1009812; 10455321; -3; -36; -9003; -9005; -900

Pkg 5



233397 Plate

Servicing: 28MT.

Used w/ plug: Cargo 232589.

Pkg 10



233408 Screw

Replacing: 1891278; 1894931; 1984000; 9427815; 383338-s2; 387448-s100

Servicing: 5MT, 10MT. 10455001; -4; -6; -7; -8; -9; -15; -16; -17; -18; -19; -20; -21; -22; -23; -24; -44; -45;

Thread L. 1/2", **L.** 41/64", **Thread** 11963

Pkg 10



233412 Screw

Replacing: 274875; 443527

Servicing: 10MT, 15GR, 20MT, 22MT, 25MT, 27MT. 10455300; -1; -5; -6; -8; -9; -10; -11; -12; -14; -15; -16; -17;

Thread L. 5/8", **L.** 47/64", **Thread** 11902

Pkg 10



233413 Screw

Replacing: 1959514

Servicing: 15MT, 20MT, 22MT, 25MT, 27MT. 1107506; -8; -9; -10; -11; -12; -13; -15; -16; -17; -18; -19; -20; -21

Thread L. 3/4", **L.** 53/64", **Thread** 11902

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



233415 Bolt

Replacing: 1962546
Servicing: 35MT. 1113101; -11; -13; -14; -15; -33; -37; -56; -57; -69; -74; -77; -82; -200; -548; -634; -635; -
Collar L. 61.65, **L.** 68.30, **Thread** M8

Pkg 10



233417 Screw

Replacing: 1967747
Servicing: 10MT. 10455300; -1; -5; -6; -8; -9; -10; -11; -12; -14; -15; -16; -17; -18; -19; -20; -21; -22; -23;
Thread L. 5/8", **L.** 47/64", **Thread** 43313

Pkg 10



233419 Washer

Replacing: 1970988
Servicing: 10MT, 20MT, 22MT, 25MT, 27MT. 10455314; -20; -22; -23; -24; -25; -26; -27; -31; -500; -600; -601; -6
O.D. 11933, **I.D.** 19/32, **Th.** x.098

Pkg 10



233978 Insulator

Replacing: 10495188
Servicing: 37MT, 41MT, 42MT.
O.D. 17.50, **I.D.** 12.50, **Th.** 3.20, **Insulator** 10

Pkg 10



233979 Insulator

Replacing: 1988125
Servicing: 37MT, 41MT, 42MT.
Insulator 10

Pkg 10



233980 Insulator

Replacing: 1988099
Servicing: 37MT, 41MT, 42MT.
O.D. 30.00, **I.D.** 12.50, **Th.** 3.05, **Insulator** 10

Pkg 10



233988 Repair Lead

Servicing: 5MT.
I.D. 3.90, **L.** 14.95, **Lead L.** 176.00, **W.** 9.15
Repair lead for field coil. Repair lead w/ clip: Cargo 232672.

Pkg 5



234301 Brake Washer

Servicing: 37MT.
O.D. 54.00, **I.D.** 23.80, **Th.** 3.40, **Material** Fiber

Pkg 5



234302 Brake Washer

Replacing: 1985235
Servicing: 37MT. 10478805; -6; -11; -12; -14; -15; -17; -18; -19; -25; -26; -90; -97; -98; -921; -925; -926; -9
O.D. 54.00, **I.D.** 23.80, **Th.** 3.40

Pkg 10



235239 Drain Tube

Servicing: 110397; -566; -1534

Pkg 10



235688 Stop Collar

Servicing: 19011501; 39mt

O.D. 24.40, **I.D.** 18.00, **Th.** 5.80, **Material** Steel

Pkg 10



235689 Retaining Ring

Replacing: 10511746

Servicing: Used w/ 235688 38mt; -9mt

O.D. 20.67, **Th.** 1.98

Oil Seals

Pkg 10



132382 Oil Seal

Replacing: 1918047; 2f6678

Servicing: 40MT, 42MT, 50MT. 10461041; -5; -6; -7; -8; -59; -60; -61; -78800; -78801; -78802; -78803; -78804; -

O.D. 34.90, **I.D.** 19.50, **H.** 9.50

Assort. 803015; 803039

Pkg 10



132682 Oil Seal

Replacing: 1867150; 1891143; 1913433

Servicing: 30MT. 10478813; -36; -46; -53; -62; -63; -65; -92; -93; -909; -979; 1107721; -62; -847; -850; -919;

O.D. 34.80, **I.D.** 17.46, **H.** 6.35

Assort. 803015; 803039

Pkg 10



132825 Oil Seal

Replacing: 1937310

Servicing: 10MT. 10455325; -32; -500; 1107261; -95; -96; -97; -308; -322; -335; -377; -397; -398; -498; -557; -

O.D. 31.95, **I.D.** 17.65, **H.** 6.35

Assort. 803039

Pkg 10



135199 Oil Seal

Servicing: 28MT. 10479613; -6; -7; 1113272; -85; -91; -92

O.D. 35.10, **I.D.** 24.30, **H.** 5.90

Assort. 803039

Pkg 5



135642 Oil Seal

Replacing: 1937718

Servicing: 37MT. 10478805; -6; -11; -12; -14; -15; -17; -18; -19; -25; -26; -90; -97; -98; -921; -925; -926; -9

O.D. 35.20, **I.D.** 19.35, **H.** 6.45

Assort. 803039

Pkg 10



237844 Oil Seal

Servicing: 39MT. 19011501; M9T80472

O.D. 48,1, **I.D.** 28,3, **H.** 5,6

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

O - rings

Pkg 5



133965 O-Ring

Replacing: 10456474
Servicing: 28MT. 10479600; -4; -5; -6; -7; -8; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -28; -34; 1113
I.D. 86.90, **Th.** 1.50
Assort. 803007

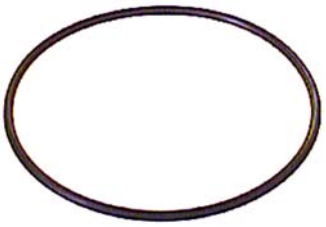
Pkg 10



136340 O-Ring

Replacing: 2000210028; 1916272
Servicing: 0001358202; -9002; -9003; -9008; -9010; -9014; -9016; -9020; -9025; -9027; -9030; -9031; -9032; -90
I.D. 105.00, **Th.** 4.00

Pkg 10



139563 O-Ring

Servicing: 28MT.
O.D. 58.25, **I.D.** 52.45, **Th.** 1.95

Pkg 10



230378 O-Ring

Replacing: 6211-675d; 1918621
Servicing: 19011501; 8200009; -22; -37; -39; M9T60471; -80472; S115A12-1; S115A12-10; -2; S115A12-15M; S115A12
O.D. 7.20, **I.D.** 3.70, **Th.** 1.80

Pkg 5



232434 O-Ring

Servicing: 28MT.
O.D. 8.30, **I.D.** 5.00, **Th.** 1.80

Pkg 10



233046 O-Ring

Replacing: 1914593
Servicing: 30MT, 35MT. 1113157; -90; -402; -626; -655; -672
O.D. 8.00, **I.D.** 11.38, **Th.** 1.80

Pkg 10



233047 O-Ring

Replacing: 10496576
Servicing: 42MT.
O.D. 21.00, **I.D.** 15.50, **Th.** 2.60

Pkg 10



233049 O-Ring

Replacing: 1985304
Servicing: 37MT, 41MT, 42MT.
O.D. 62.10, **I.D.** 56.70, **Th.** 3.50

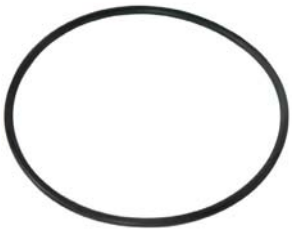
Pkg 10



233050 O-Ring

Replacing: 1985320
Servicing: 37MT, 41MT, 42MT.
O.D. 125.00, **Th.** 2.50

Pkg 10



233051 O-Ring

Replacing: 1851960; 1985960
Servicing: 30MT, 35MT, 37MT, 41MT, 42MT.
O.D. 84.50, **Th.** 2.50

Pkg 10



233052 O-Ring

Replacing: 1945860
Servicing: 50MT. 10478800; -7; -8; -13; -30; -43; -44; -45; -46; -48; -49; -50; -51; -52; -53; -54; -55; -56; -
O.D. 114..50, **Th.** 3.50

Pkg 10



233053 O-Ring

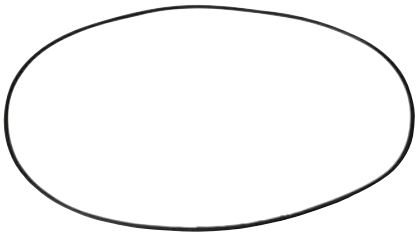
Servicing: 37MT, 41MT, 42MT.
O.D. 4.70, **Th.** 1.70



234722 Gasket

Servicing: 28MT.
Th. 3.10, **Material** Rubber

Pkg 10



235736 O-Ring

O.D. 107.00, **I.D.** 102.60, **Th.** 1.75

Thru Bolts

Pkg 2



139799 Thru Bolt

Replacing: 1960908
Servicing: 20MT, 22MT, 25MT, 27MT. 1107506; -8; -9; -10; -11; -12; -13; -15; -16; -17; -18; -19; -20; -21; -22;
Collar L. 190.50, **L.** 196.75, **Thread** M8

Pkg 2



230012 Thru Bolt

Replacing: 1931654; 1939970
Servicing: 10MT. 10455300; -1; -5; -6; -8; -9; -10; -12; -14; -15; -16; -17; -18; -19; -20; -21; -22; -23; -24;
Collar L. 149.20, **L.** 155.00, **Thread** M8

Pkg 2



230013 Thru Bolt

Replacing: 1941111
Servicing: 10MT. 10455300; -1; -5; -6; -8; -9; -10; -11; -34; -43; -44; -45; -46; -600; -603; -604; 1107233; -7
Collar L. 149.20, **L.** 174.75,
Thread size front M8, **Thread size rear** M8
W/ 19.1mm (3/4") extention.

Pkg 2



230153 Thru Bolt

Replacing: 1975326
Servicing: 20MT, 22MT, 25MT, 27MT. 1109219; -62; -563; -13589; -13590; -13591; 1998401; -9; -42; -46; -54
Collar L. 190.50, **L.** 214.20,
Thread size front M8, **Thread size rear** M8
W/ extention.

Pkg 2



230413 Thru Bolt

Replacing: 10467601; 1985150
Servicing: 5MT, SD210, -260. 10455001; -6; -7; -9; -11; -13; -15; -16; -24; -25; -42; -44; -45; -47; -49; -52;
Collar L. 133.35, **L.** 5,43", **Thread** 45566
Hex washer head, 5/16 drive.

Pkg 2



230418 Thru Bolt

Replacing: 1893453
Servicing: 20MT, 22MT, 25MT, 27MT. 10455500; 1109212; -3; -4; -5; -6; -7; -8; -495; -13593; -13596; -13597; -13
Collar L. 184.20, **L.** 189.60, **Thread** M8

Pkg 10



230795 Thru Bolt

Replacing: 1893276; N807790S36B
Servicing: 5MT. 1109521; -2; -3; -4; -6; -8; -30
Collar L. 149.20, **L.** 5 7/8", **Thread** 45566
Hex washer head, 5/16 drive.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 2



232064 Thru Bolt

Servicing: PG150, PG260F1.
Collar L. 115.00, **L.** 131.35,
Thread size front M6, **Thread size rear** M6
w/ extention 10-24 x x11.1 mm (7/16").

Pkg 2



232991 Thru Bolt

Replacing: 10475637; -87
Servicing: PG260M. 9000786; -98; -804; -805; -806; -812; -819; -820; -821; -822; -827; -834; -835; -844; -850;
L. 117.30, **Thread size front** M5,
Thread size rear M8
w/ extention 3/16"-24 x 11.11 mm (7/16").

Pkg 2



233150 Thru Bolt

Replacing: 1989234
Servicing: PG100, PG200. 9000719; -35; -62; -63; -68; -73; -75; -76; -89; -96; -97
Collar L. 120.00, **L.** 124.55, **Thread** M6

Pkg 2



233151 Thru Bolt

Replacing: 10476002
Servicing: PG260F1. 09000794; -801
L. 131.00, **Thread size front** M5,
Thread size rear M6

Pkg 2



233152 Thru Bolt

Servicing: PG260F2.
Collar L. 151.30, **L.** 155.65, **Thread** M5

Pkg 2



233153 Thru Bolt

Servicing: PG260F2.
L. 166.75, **Thread size front** M5,
Thread size rear M5
w/ extention 10-24 x 11.11 mm (7/16").

Pkg 2



233154 Thru Bolt

Replacing: 10475638
Servicing: PG260M. 9000786; -98; -805; -806; -812; -819; -820; -821; -822; -834
Collar L. 102.00, **L.** 106.50, **Thread** M5



233421 Thru Bolt

Replacing: 1883865
Servicing: 35MT. 1105501; -27; -33; -739; -744; -749; -9045; -9046; -9047; -9048; -9050; -13367; -13368; -13373
Collar L. 234.75, **L.** 234.45, **Thread** M8

Pkg 10



233691 Thru Bolt

Servicing: 28MT.
Collar L. 180.00, **L.** 185.40, **Thread** M6

Pkg 10



235686 Thru Bolt

Replacing: 10510083; 10511662
Servicing: 19011506; -7; -8; -9; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -21; -22; -23; -24; -25; -2
Collar L. 154.00, **L.** 159.50, **Thread** M6 x 1.0

Regulators



233622 Regulator

Replacing: 1118266; -306; -791; -983; -985; d648; -9; 1118991

Servicing: 10DN. 1100341; -8; -9; -50; -69; -70; -79; -82; -90; -96; -98; -407; -410; -428; -441; -444; -445; -

V. 12, **Amp.** 18.0, **V. setting** 14.2, **Regulator type** Mechanical
Terminals L-B+-F(A).



233623 Regulator

Replacing: 1118981; -8; d655

Servicing: 10DN.

V. 12, **Amp.** 18.0, **V. setting** 14.2, **Regulator type** Mechanical
L-B+-F(A).



233624 Regulator

Replacing: 1118381; -779; -997; -999; 1119576; d646

Servicing: 10DN.

V. 12, **Amp.** 18.0, **V. setting** 14.2, **Regulator type** Mechanical
Pos. or Neg. ground. A-circuit. L-B+-F(A).

Bearings

Pkg 10



140086 Bearing 6202/zz

Replacing: 1900905226; -8; -44; 6220-693; 954293; 68933; 85218; 62022zrc3; 057382; 076001; 6202zz

Servicing: 0010350013; -4; 0136352005; -5049; -5050; -5053; -5054; -5055; -5057; -5058; -5059; -5060; -5061; -

O.D. 35.00, **I.D.** 15.00, **H.** 10.00

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Solenoids



130336 Solenoid

Replacing: 0332002001; -2; -4; -102; -103; -104; -160; 19025654; 06020

V. 12, **Amp.** 100, **B+** M6, **Seconds** 60, **Coil bolt** M6 Stel

---



130492 Solenoid

Replacing: 19024765; 36630

V. 24, **Amp.** 50, **B+** M8, **Intermittent load** 500, **Seconds** 5, **Coil bolt** M8



130493 Solenoid

Replacing: 2098360; 3225629; f903; B6AZ-11-450A; 15-407; zm-401; SAS-4211Y

V. 12, **B+** M8, **Intermittent load** 150amp., **Coil bolt** M8

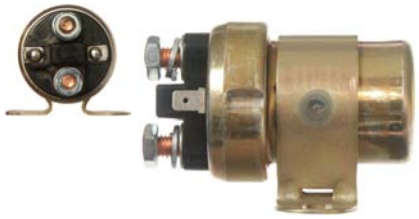
Grounded base. Flat bracket.



131080 Solenoid

Replacing: 19024764; 36625

V. 12, **Amp.** 50, **B+** M8, **Intermittent load** 500, **Seconds** 5 Sek., **Coil bolt** M8



131253 Solenoid

Replacing: 19024762; 36505

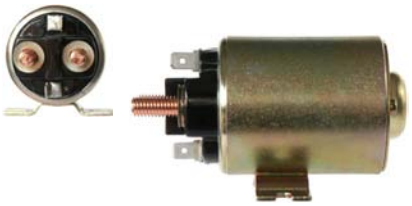
V. 12, **Amp.** 60, **B+** M8, **Intermittent load** 500, **Seconds** 5, **Coil bolt** M8



131254 Solenoid

Replacing: 19024763; 36510

V. 24, **Amp.** 50, **B+** M8, **Intermittent load** 500, **Seconds** 5, **Coil bolt** M8



131371 Solenoid

Replacing: 0333006006; 19024759; 12680

Servicing: 333006006

V. 24, **Amp.** 80, **B+** M8, **Intermittent load** 500 Amp., **Seconds** 5 sek, **Coil bolt** M8

Silver contacts.



131373 Solenoid

Replacing: 0333009004; 19024761; 12700

Servicing: 333009004

V. 12, **Amp.** 150, **B+** M8, **Intermittent load** 800 Amp., **Seconds** 5, **Coil bolt** M8

Silver contacts.



139858 Solenoid

Replacing: 25-661; 54-981; 65-057a1; 508905; 25661; 65057a1; 1658883; 2095606; 1114206; -537; 8915857; 8976545;

V. 12, **B+** M8, **Coil bolt** M8



235442 Solenoid

Replacing: 1114218; -08

V. 12, **Amp.** 150, **Intermittent load** 300, **Seconds** 5

Silver contact insulated

Armatures



131930 Armature

Replacing: 4988517; 131930

V. 12, **kW.** 3.0, **Core OD** 73.65, **Shaft L.** 311.75, **Splines** 6, **Rotation** CR

Field Coils



131932 Field Coil

Replacing: 4988575; 131932

V. 12, **kW.** 3.0, **H.** 131.00, **Brush gear** w/o

Solenoids



132069 Solenoid

V. 12, **B+** M10, **Coil bolt** M10

Solenoid Parts

Solenoid Caps



131320 Solenoid Cap

Replacing: zm-56191; 131320

Servicing: 618694; -82244

O.D. 53.00, **No. of leads** 3, **Bracket type** Crimp

Drives



132070 Drive

O.D. 34.00, **I.D.** 13.55, **L.** 77.50, **No. of teeth** 9, **Splines** 6, **Rotation** CR, **Drive type** Steel

Brush Sets



140465 Brush Set

V. 12, **L.** 22.15, **Th.** 8.81, **H.** 19.90, **No. of brushes** 4

Bushings

Pkg 5



140464 Bearing Bushinging

O.D. 18.00, **I.D.** 14.00, **L.** 15.90, **Material** Copper

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Armatures



136503 Armature

Replacing: 28160-1210; 1320-001-00x0
Servicing: 0300-552-0011; 28100-1400
V. 12, **kW.** 5.2, **Core OD** 82.85, **Shaft L.** 366.75, **Splines** 16, **Rotation** CR



136516 Armature

Replacing: 28160-1460; 1320-078-00x0
Servicing: 0350-702-0141; -224; -226; -234; -235; -245; -249; -265; -273; -350; -352; -360; -362; -370; -372;
V. 24, **kW.** 7.0, **Core OD** 75.05, **Shaft L.** 218.25, **No. of teeth** 12



136517 Armature

Replacing: 28160-1430; 1320-073-00x0
Servicing: 0350-552-0311; -24; -28; -34; -38; -63; -67; -415; 0351-552-0419; 28100-1700; -850; -870; -2040; -2
V. 24, **kW.** 5.5, **Core OD** 65.00, **Shaft L.** 176.80, **No. of teeth** 12



136518 Armature

Replacing: 28160-1330; 23310-99117; 1320-059-01x0
Servicing: 0350-602-0016; -20; -36; -37; -40; -50; -60; -80; -110; 0351-602-0013; -22; -110; -120; 23300-96076
V. 24, **kW.** 5.5/6.0, **Core OD** 65.00, **Shaft L.** 215.25, **No. of teeth** 14



136519 Armature

Replacing: 1320-063-40x0
Servicing: 0351-702-0042; -73; -212; -224; -232; -243; -252; -271; -292; -443; 600-813-3861; -941; -951; -962
V. 24, **kW.** 11.0, **Core OD** 74.85, **Shaft L.** 218.10, **No. of teeth** 12



138964 Armature

Replacing: 23302-99216; 1320-097-00x0; 28160-1560
Servicing: 0350-602-0118; -40; -49; -233; -240; -248; -250; -258; -260; -261; -320; -321; -330; -331; -340; -3
V. 24, **kW.** 6.0, **Core OD** 65.00, **Shaft L.** 207.00, **No. of teeth** 12



138965 Armature

Replacing: 1320-078-30x0
Servicing: 0351-702-0510; -2; -20; -22; -610; -612; -620; -622; -630; -632; -680; -682; -710; -712; -732; -811
V. 24, **kW.** 11.0, **Core OD** 75.00, **Shaft L.** 217.90, **No. of teeth** 12



234106 Armature

Replacing: 1320-077-00x0; 28160-1490
Servicing: 0350-402-0217; -28; -47; -51; -57; -60; -70; 0351-402-0116; -20; -30; -40; -51
V. 24, **kW.** 4.5, **Core OD** 58.00, **Shaft L.** 160.00, **Splines** 8



234107 Armature

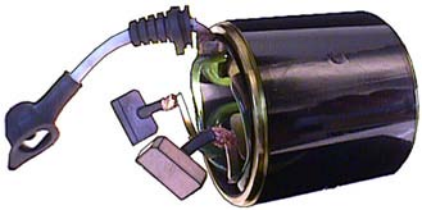
Replacing: 1320-098-00x0; 28160-1530
Servicing: 0350-502-0047; -57; 0351-502-0033; -42
V. 24, **kW.** 4.5, **Core OD** 58.00, **Shaft L.** 170.00, **Splines** 8



234108 Armature

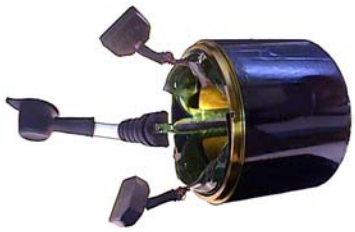
Replacing: 1320-100-00x0; 28160-1551
Servicing: 0350-702-0150; -60; -70; -80; -289; -294; -319; -329; -339; -391
V. 24, **kW.** 7.0, **Core OD** 75.00, **Shaft L.** 206.00, **Splines** 12

Yokes



136524 Yoke Assy

Replacing: 28120-1400; 1310-072-00x0
Servicing: 0350-702-0141; -224; -226; -234; -235; -245; -249; -265; -273; -352; -362; -372; 28100-1770; -80; -
V. 24, **kW.** 7.0, **O.D.** 115.60, **L.** 121.20, **Brush gear** w/o, **Magnets** w/o



136525 Yoke Assy

Replacing: 28120-1370; 1355-028-00x0
Servicing: 0350-552-0311; -24; -28; -34; -38; -63; -67; 28100-1700; -850; -2040; -2150
V. 24, **kW.** 5.5, **O.D.** 100.50, **L.** 81.00, **Brush gear** w/o, **Magnets** w/o



138968 Yoke Assy

Replacing: 1310-100-30x0
Servicing: 0351-702-0510; -2; -20; -22; -610; -612; -622; -632; -682; -811; -822
V. 24, **kW.** 11.0, **O.D.** 115.65, **L.** 111.30, **Brush gear** w/o, **Magnets** w/o



138969 Yoke Assy

Replacing: 28120-1390; 23302-99002; 1355-030-00x0
Servicing: 0350-602-0090; -2; -110; -118; -130; -139; -210; -212; -221; -233; -261; -321; -331; -341; 0351-602
V. 24, **kW.** 5.5/6.0, **O.D.** 100.30, **L.** 111.15, **Brush gear** w/o, **Magnets** w/o



232483 Field Coil

Replacing: 1310-108-00x0
Servicing: 0350-602-0250; -8; -X
V. 24, **kW.** 6.0, **O.D.** 100.40, **L.** 112.30, **Brush gear** w/o, **Magnets** w/o

Field Coils



136501 Field Coil

Replacing: 28121-1090; 1316-001-00x0
Servicing: 0300-552-0011; -210; -420; -910; 28100-1390; -400; 30066-12010
V. 24, **kW.** 5.2, **H.** 126.75, **Brush gear** w/o
x 2 = complete set.



136526 Field Coil

Replacing: 28121-1180; 23306-99202; 23310-99202; 1316-068-00x0
Servicing: 0350-602-0016; -36; -37; -40; -50; -60; -80; 0351-602-0013; -22; 23300-96076; -508; 28100-1472
V. 24, **kW.** 5.5/6.0, **H.** 127.00, **Brush gear** w/o
x 2 = complete set.



136527 Field Coil

Replacing: 23306-99205; 1316-089-00x0
Servicing: 0351-702-0031; -42; -73; -212; -224; -232; -243; -252; -271; -292; -311; -321; -331; -341; -361; -3
V. 24, **kW.** 7.0, **H.** 124.50, **Brush gear** w/o
x 2 = complete set.

Solenoids



136170 Solenoid

Replacing: 28180-1240; 1350-097-00x9; 28180-1330; -20; -70; -400; -530
Servicing: 0350-552-0310; -1; -20; -24; -28; -30; -34; -38; 0350-602-0130; -5; -9
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 234554.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



136171 Solenoid

Replacing: 28180-1260; 1350-101-00x9
Servicing: 0350-702-0224; -6
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 234554.



136173 Solenoid

Replacing: 28180-1270; 1350-098-00x9; 28100-1740; -810; -820; -980
Servicing: 0350-402-0240; -4; -7; 0350-502-0010; -9; -20; -24; -27; 0350-602-0110; -4; -8
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 234554.



136174 Solenoid

Replacing: 28180-1251; 1350-101-11x9; 28180-1250; -341; 1350-101-11x8; -0X9
Servicing: 0350-702-0141; -230; -234; -235; -240; -245; -249; -260; -265; 0350-802-0010; -4; -8; -42; 28100-17
V. 24, **B+** M10, **Coil bolt** M10



136520 Solenoid

Replacing: 28150-1320; 1350-001-00x9
Servicing: 0300-552-0011; 28100-1400
V. 24, **B+** M10, **Coil bolt** M10



136522 Solenoid

Replacing: 23308-99000; 1350-076-00x9
Servicing: 0350-602-0016; -20; 23300-96508; -7061
V. 24, **B+** M10, **Coil bolt** M10



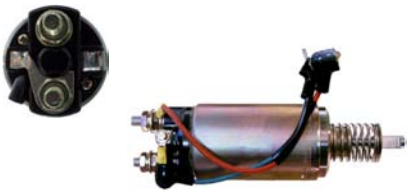
136523 Solenoid

Replacing: 28150-1452; 1350-079-01x9; 1350-079-10x9; 1350-079-0109
Servicing: 0350-552-0062; -3; -110; -211; 03500-552-0211; 28100-1443; -630
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 234552.



136539 Solenoid

Replacing: 28150-1050; 1350-064-00x9
Servicing: 0330-402-0320; 28100-1090
V. 24, **B+** M10, **Coil bolt** M10



136540 Solenoid

Replacing: 1350-105-00x9; 1350-105-10x9; -1x9; 136521
Servicing: 0351-702-0042; -73; -212; -224; -232; -243; -252; -292; -443; 600-813-3861; -941; -951; -962; -4211
V. 24, **B+** M10, **Coil bolt** M10



137280 Solenoid

Replacing: 1350-083-20x9; 28150-1560; 1350-084-2009; 1350-084-1009; 1350-084-0109; 28150-1570; 1350-084-0119
Servicing: 0350-702-0024; -5; -60
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 234552.



138967 Solenoid

Replacing: 1350-109-31x9; -2x9; 1350-111-10x9; -1x9; 138966
Servicing: 0351-702-0610; -2; -20; -22; -30; -32; -80; -82; -810; -811
V. 24, **B+** M10, **Coil bolt** M10



232485 Solenoid

Replacing: 1350-102-20x9
Servicing: 0351-602-025X; -413; -423
V. 24, **B+** M10, **Coil bolt** M10



232486 Solenoid

Replacing: 1350-122-00x9; -1x9
Servicing: 0350-602-0250; -8; -X; -362
V. 24, **B+** M10, **Coil bolt** M10



234485 Solenoid

Replacing: 1350-018-00x9; 28150-1490
B+ M10, **Coil bolt** M10



234486 Solenoid

Replacing: 1350-069-0109; 28150-1140
B+ M10, **Coil bolt** M10



234544 Solenoid

Replacing: 28180-1390; 1350-114-02x9
Servicing: 0350-502-0047; 0351-502-0042
V. 24, **B+** M10, **Coil bolt** M10



234662 Solenoid

Replacing: 1350-126-02x9; 1350-126-70x9; -1x9; 28180-1532; 28180-2120; 28150-2120
Servicing: 0350-502-0214; -9; -33; -44; 28100-2327; -562; -573
V. 24, **B+** M8, **Coil bolt** M8



234663 Solenoid

Replacing: 1350-126-22x9; 23380-z9009; 23300-z9009
Servicing: 0350-502-0321; 23300-Z5572
V. 24, **B+** M8, **Coil bolt** M8

Solenoid Parts

Solenoid Caps



234552 Solenoid Cap

O.D. 65.00, **No. of leads** 3



234553 Solenoid Cap

O.D. 65.10, **No. of leads** 3



234554 Solenoid Cap

Servicing: 1350-098-00x9
O.D. 65.15, **No. of leads** 3

Moving Contacts



234551 Moving Contact

Servicing: 1350-079-01x9; -10x9; 1350-084-01X9; -10x9; -11X9; -20X9; 1350-097-00x9; 1350-101-00x9; 1350-121-00
Th. 5.00, **Shaft** 31.85, **Material** Copper
Plate 42.00 x 20.00 x 5.40

Drives



136502 Drive

Replacing: 28011-1170; 1360-001-00x0
Servicing: 0300-552-0011; 28100-1400
O.D. 46.30, **I.D.** 19.15, **L.** 90.65,
No. of teeth 13, **Splines** 18, **Drive type** Steel



136510 Drive

Replacing: 28011-1360; 1361-050-00x0
Servicing: 0350-602-0114; -8; -44; -243; -254; -258; -314; -335; -344; -362; -422; 0351-602-0315; -35; -49; 28
O.D. 47.30, **I.D.** 19.00, **L.** 87.00,
No. of teeth 11, **Splines** 18, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



136511 Drive

Replacing: 28011-1460; 1361-053-10x0

Servicing: 0350-702-0141; -50; -80; -224; -226; -234; -235; -245; -249; -265; -273; -284; -289; -293; -294; -3

O.D. 47.40, **I.D.** 19.75, **L.** 96.90,
No. of teeth 11, **Splines** 16, **Rotation** CR,
Drive type Steel

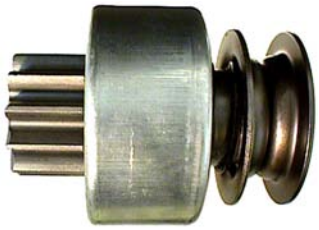


136512 Drive

Replacing: 28011-1350; 1361-049-01x0

Servicing: 0350-552-0311; -24; -28; -34; -38; -43; -47; -53; -57; -63; -67; -516; -910; 0351-552-0415; -9

O.D. 40.30, **I.D.** 17.15, **L.** 81.00,
No. of teeth 11, **Splines** 16, **Rotation** CR,
Drive type Steel



136513 Drive

Replacing: 23313-99115; 1361-026-00x0

Servicing: 0350-602-0016; 23300-96508

O.D. 40.45, **I.D.** 16.60, **L.** 92.75,
No. of teeth 11, **Splines** 18, **Rotation** CR,
Drive type Steel



136514 Drive

Replacing: 1361-047-00x0

Servicing: 0351-702-0042; -73; -212; -243; -271; -292; -311; -321; -351; -371; -381; -411; -423; -443; -512; -

O.D. 56.40, **I.D.** 20.00, **L.** 127.90,
No. of teeth 11, **Splines** 16, **Rotation** CR,
Drive type Steel



136515 Drive

Replacing: 1361-048-00x0

Servicing: 0351-702-0224; -32; -52; -331; -341; -361; -612; -622; -632; -642; -652; -682; -692; -913; -914; 60

O.D. 46.30, **I.D.** 11.90, **L.** 128.35,
No. of teeth 11, **Splines** 16, **Rotation** CR,
Drive type Steel

Drive Parts



136505 Pinion

Replacing: 28213-1090; 1362-001-00x0

Servicing: 0300-552-0011; -210; -420; 28100-1390; -400; 30066-12010

O.D. 46.35, **I.D.** 18.90, **No. of teeth** 13

Levers



136504 Lever

Replacing: 28113-1180; 1372-000-00x0

Servicing: 0300-552-0011; -210; -910; 0307-302-0012; 28100-1400; 30066-12010

L. 128.60, **Lever** 1



136532 Lever

Replacing: 28113-1200; 23322-99118; 1372-041-00x0

Servicing: 0350-402-0114; -23; -33; 0350-702-0224; -34; -45; -65; -73; -84; -93; -314; -324; -334; -350; -360;

L. 124.90, **Lever** 1



136533 Lever

Replacing: 28113-1160; 23322-99106; 1372-035-00x0

Servicing: 0350-552-0020; -30; -62; -63; -110; -141; -211; 0350-602-0016; -20; -36; -37; -40; -50; -60; -80; -

L. 124.45, **Lever** 1



136534 Lever

Replacing: 28113-1190; 23322-99107; 1372-036-00x0
Servicing: 0350-702-0011; -24; -25; -31; -34; -35; -43; -60; -70; -90; -321; -331; -341; -361; 0351-702-0011;
L. 134.30, **Lever** 1

Brush Gears



136507 Brush Gear

Replacing: 28140-1160; 1331-000-00x9
Servicing: 0300-552-0011; -110; -210; -420; -910; 126450-77010; 28100-1390; -400; 30066-12010
Brush With, **Brush gear** 1,
Spring terminal With



136528 Brush Gear

Replacing: 28140-1290; 1331-043-00x0; 1331-046-00x0
Servicing: 0350-702-0224; -34; -45; -65; -73; -84; -93; -314; -324; -334; -350; -360; -370; 0351-702-0512; 281
Brush With, **Brush gear** 1,
Spring terminal With
Neg. brushes Brush set Cargo: 140828



136529 Brush Gear

Replacing: 28140-1280; 23330-99202; 1331-039-00x0
Servicing: 0350-552-0311; -24; -28; -34; -38; -63; -67; -415; 0350-602-0091; -2; -114; -118; -135; -139; -144;
Brush With, **Brush gear** 1,
Spring terminal With
Neg. brushes Brush set Cargo: 140829



136530 Brush Gear

Replacing: 28140-1180; 1331-032-00x9
Servicing: 0350-552-0020; -30; -62; -63; -110; -141; -211; 0350-602-0016; -20; -36; -37; -40; -50; -60; -80; -
Brush With, **Brush gear** 1,
Spring terminal With



136531 Brush Gear

Replacing: 28140-1200; 23330-99110; 1331-034-10x9
Servicing: 0350-702-0034; -361; -371; -381; 0351-702-0031; -42; -73; -212; -224; -232; -243; -252; -271; -292;
Brush With, **Brush gear** 1,
Spring terminal With



138970 Brush Gear

Replacing: 1331-043-00x9
Servicing: 0350-702-0226; -35; -65; -73; -94; -352; -362; -372; 0351-602-0632; 0351-702-0510; -2; -20; -22; -6
V. 24, **Brush** With, **Brush gear** 1,
Spring terminal With
11 kW



232484 Brush Gear

Replacing: 1331-039-10x0
Servicing: 0350-552-0347; -57; -516; -910; 0350-602-0250; -8; -X
V. 24, **Brush** With, **Brush gear** 1,
Spring terminal With
6 kW

Brush gears parts

Brush Springs

Pkg 2



136491 Brush Spring

Replacing: 27372-1080; 23142-90000; 5210-001-00x0
Servicing: 0211-102-0012; -22; -223; -232; -412; -2512; -3113; -3210; -4111; -4112; -4210; -4310; -4320; 0211-
O.D. 5.55, **L.** 28.45

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 4



136508 Brush Spring

Replacing: 28143-1070; 5250-000-00x0

Servicing: 0300-552-0011; -210; -420; -910; 0307-302-0012; 28100-1390; -400; 30066-12010

L. 28.80

Pkg 4



136535 Brush Spring

Replacing: 28143-1160; 23333-99019; 5250-028-00x0

Servicing: 0350-702-0224; -6; -34; -35; -45; -65; -73; -84; -93; -94; -314; -324; -334; -350; -352; -360; -362

O.D. 14.00, **L.** 27.00

Pkg 4



136538 Brush Spring

Replacing: 28143-1040; 23333-99014; 5250-024-00x0

Servicing: 0340-702-0051; -60; -61; -70; 0350-702-0011; -24; -25; -34; -35; -43; -50; -60; -70; -90; 0351-702-

O.D. 15.65, **L.** 27.20

Brush Sets



140822 Brush Set

Replacing: 28142-1080; 2660-006-00x0

Servicing: 0300-552-0011; -210; -420; -910

V. 24, **L.** 22.00, **Th.** 7.90, **H.** 24.75,
No. of brushes 4



140823 Brush Set

Replacing: 28142-1120; 23379-99015; 2660-057-00x0

Servicing: 0350-552-0020; -30; -63; -110; -141; -211; 0350-602-0016; -37; -40; -50; -80; 0351-552-0110; -20; -

V. 24, **L.** 20.10, **Th.** 9.90, **H.** 27.80,
No. of brushes 4

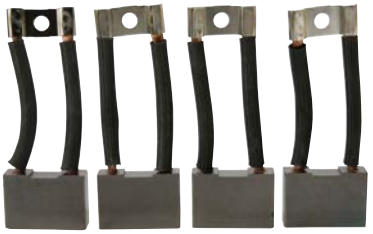


140824 Brush Set

Replacing: 23507-99000; -1; 2660-068-00x0; 2660-068-10x0

Servicing: 0351-702-0031; -42; -73; -212; -224; -232; -243; -252; -271; -292; -311; -321; -331; -341; -361; -3

V. 24, **L.** 22.55, **Th.** 9.90, **H.** 34.85,
No. of brushes 4



140826 Brush Set

Replacing: 28142-1160; 2660-009-00x0

Servicing: 0300-602-0812; 0330-602-0113; -410; -510; 0331-602-0010; -30

V. 24, **L.** 22.00, **Th.** 9.88, **H.** 31.82,
No. of brushes 4



140828 Brush Set

Replacing: 28142-1360; jsdsx-15; 2660-074-00x7

Servicing: 0350-702-0141; -50; -80; -226; -235; -249; -265; -273; -289; -294; -339; -352; -362; -372; -412; -4

V. 24, **L.** 22.70, **Th.** 9.90, **H.** 34.80,
No. of brushes 4



140829 Brush Set

Replacing: 28142-1310; 23331-99107; -11; 2660-071-00x7

Servicing: 0350-552-0311; -28; -38; -67; 0350-602-0092; -118; -139; -212; -221; -233; -261; -321; -331; -341;

V. 24, **L.** 20.19, **Th.** 9.87, **H.** 27.80,
No. of brushes 4

Pkg 5



141020 Brush Set

Replacing: 28142-1050; 23379-99016; 2660-056-00x0

Servicing: 0340-702-0060; -70; 0350-702-0011; -25; -35; -43; -60; -70; -90; 0351-702-0011; -21; -130; -160

V. 24, **L.** 22.45, **Th.** 9.85, **H.** 34.85, **No. of brushes** 4

Bushings

Pkg 5



140520 Bearing Bushinging

Replacing: 28111-1180; 1-81129286-0; fbnk-30; 1-23351-0080; 7-23351-0080; 2602-000-00x0; 2620-011-00x0

Servicing: 0-23000-3150; -2; -60; -70; -80; -240; -241; -260; -270; -280; -285; -291; -301; -321; -332; -6071;

O.D. 23.00, **I.D.** 19.00, **L.** 19.00, **Material** Copper

---

Pkg 10



140831 Bearing Bushinging

Replacing: 28111-1120; 2620-007-00x9

Servicing: 0300-552-0011; -210; -420

O.D. 24.00, **I.D.** 19.00, **L.** 30.00, **Material** Copper

---



140832 Bearing Bushinging

Replacing: 28111-1330; 23315-99011; 2620-105-00x9

Servicing: 0350-103-0012; 0350-702-0011; -25; -35; -43; -60; -70; -90; -141; -150; -160; -170; -180; -226; -23

O.D. 23.30, **I.D.** 20.25, **L.** 21.05, **Type** Mounting, **Material** Steel
w/ teflon.



140833 Bearing Bushinging

Replacing: 28111-1280; 2620-077-00x9

Servicing: 0300-552-0011; -210; -910; 0300-602-0812

O.D. 24.07, **I.D.** 18.11, **L.** 20.96, **Material** Steel
w/ teflon.



140834 Bearing Bushinging

Replacing: 28125-1120; 2620-079-10x9

Servicing: 0300-552-0011; -210

O.D. 29.06, **I.D.** 22.63, **L.** 27.85, **Material** Steel
w/ teflon.

Pkg 5



140835 Bearing Bushinging

Replacing: 28111-1130; 23319-99014; 2620-094-00x9

Servicing: 0350-402-0020; -116; -123; -133; -217; -228; -247; -251; -257; -270; 0350-502-0019; -27; -47; -57;

O.D. 19.05, **I.D.** 17.10, **L.** 19.96, **Type** Mounting, **Material** Steel
w/ teflon.



140836 Bearing Bushinging

Replacing: 28111-1370; 23315-z9000; 2620-108-00x9

Servicing: 0350-402-0010; -32; -260; -347; 0350-502-0020; -32; -60; -131; -140; -150; 0350-552-0020; -30; 0350

O.D. 19.10, **I.D.** 19.10, **L.** 19.93, **Type** Mounting, **Material** Steel
w/ teflon.



140837 Bearing Bushinging

Replacing: 28125-1080; 23441-99017; 2620-093-00x9

Servicing: 0350-552-0020; -30; -63; -110; -141; -211; 0350-602-0016; -37; -40; -50; -80; 0351-552-0110; -20; -

O.D. 31.33, **I.D.** 28.60, **L.** 19.94, **Material** Copper
w/ teflon.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



140838 Bearing Bushinging

Replacing: 23315-99012; 2620-106-00x9

Servicing: 0350-702-0011; -25; -35; -43; -60; -70; -90; 0351-702-0011; -21; -31; -42; -73; -130; -160; -212; -

O.D. 38.22, **I.D.** 35.56, **L.** 21.87, **Material** Copper
w/ teflon.

Pkg 5



141022 Bearing Bushinging

Replacing: 2210-4601; 28111-1110; 2620-003-00x9; 23319-99004

Servicing: 0300-552-0420; 0307-302-0012; 0330-402-0410; 0331-402-0110; 1811001570; -800; 23300-96106; -7066; S

O.D. 24.10, **I.D.** 18.02, **L.** 21.00, **Type** Mounting, **Material** Copper

Sundry Parts



136506 Clutch Plate Set

Replacing: 28217-1020; 3011-001-00x9

Servicing: 0300-552-0011; -210; -420; -910; 0300-600-0812; 0300-602-0812; 28100-1081; -390; -400; 30066-1206

Armatures



133743 Armature

V. 12, **Core OD** 51.85, **Shaft L.** 176.00, **Splines** 6, **Rotation** ACR

Drives



133744 Drive

O.D. 29.35, **I.D.** 11.90, **L.** 38.20, **No. of teeth** 9, **Splines** 6, **Rotation** ACR, **Drive type** Steel



235166 Drive

Replacing: gp1660

Servicing: mg16022

O.D. 33.2, **L.** 67.60, **No. of teeth** 16, **Splines** 7

Brush Sets



140574 Brush Set

V. 12, **L.** 15.15, **Th.** 7.10, **H.** 9.90, **No. of brushes** 4

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Armatures



234205 Armature

Replacing: 33846
Servicing: 33835
V. 12, **Core OD** 53.00, **Shaft L.** 183.25, **Splines** 7



234206 Armature

Replacing: 35895
Servicing: 32468; 32468a; -b; 35763; 35763a; 35765; 35765a; 36914
V. 12, **Core OD** 53.00, **Shaft L.** 163.00, **Splines** 8

Drives



234120 Drive

Replacing: 334323; 33432
Servicing: 32468; 32468a; -b; 33605; -5763; 35763a; 35765; 35765a; 36680
O.D. 32.55, **I.D.** 10.00, **L.** 31.00, **No. of teeth** 16



234121 Drive

Replacing: 33844
Servicing: 33835
O.D. 32.00, **I.D.** 10.25, **L.** 31.00, **No. of teeth** 11, **Drive type** Steel



234122 Drive

Replacing: 34949a
Servicing: 34934; -5707; -5709; -6086; -6123
O.D. 26.90, **I.D.** 9.70, **L.** 20.30, **No. of teeth** 9, **Drive type** Steel

Drive Parts

Pkg 10



234254 Drive Collar

O.D. 28.65, **I.D.** 12.55, **Th.** 9.75, **Material** Rubber
Used w/drive Cargo: 234122

Pkg 10



234255 Drive Spring

Replacing: 34954
Servicing: 34934; -5707; -5709; -6086; -6123
O.D. 11.50, **L.** 24.50

Pkg 10



234256 Drive Spring

Replacing: 33431
Servicing: 32468; 32468a; -b; 33605; -5763; 35763a; 35765; 35765a
O.D. 12.15, **L.** 25.95

Pkg 5



234257 Drive Spring Retainer

Replacing: 34950
Servicing: 35707; -9; -6086; -6123; -6264
O.D. 17.00, **I.D.** 9.70, **Th.** 7.35, **Material** Plastic



234259 Drive Spring Retainer

Replacing: 33522
O.D. 28.70, **I.D.** 12.70, **Th.** 7.30

Pkg 10



234261 Retainer Ring

Replacing: 33842

Servicing: 33835; -6914



234262 Drive Nut

Replacing: 33433a

Servicing: 33835

Thread M12

Brush Gears

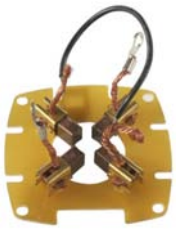


234207 Brush Gear

Replacing: 33848

Servicing: 33835

V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With



234208 Brush Gear

Replacing: 33712

Servicing: 33600; -5; -6; -7; -4421; -5763; 35763a; 35765; 35765a

V. 12, **Brush** With, **Brush gear** 1

Brush Sets



141210 Brush Set

Replacing: 33849

Servicing: 33835

V. 12, **L.** 17.00, **Th.** 6.40, **H.** 9.60, **No. of brushes** 4



141211 Brush Set

Replacing: 32572

V. 12, **L.** 14.30, **Th.** 7.80, **H.** 9.25, **No. of brushes** 2

Bushings

Pkg 10



141214 Bushinging

O.D. 20.00, **I.D.** 15.80, **L.** 12.55, **Material** Copper

Pkg 10



141215 Bushinging

O.D. 19.05, **I.D.** 10.00, **L.** 12.25, **Material** Copper

Pkg 10



141216 Bushinging

Servicing: 33605

Collar O.D. 19.10, **O.D.** 15.90, **I.D.** 12.70, **L.** 11.41, **Material** Copper

Pkg 10



141217 Bushinging

Collar O.D. 17.75, **O.D.** 12.70, **I.D.** 9.60, **L.** 9.62, **Material** Copper

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Armatures



134121 Armature

Replacing: 2114-51007; -106; 2114-61005; -106; 2114-91104; 23310-m4900; -1; 014560cp30sm; 133654

Servicing: 114351-77020; 114362-77020; 119256-77010; 120370-77011; 124976-77011; 129150-77010; 23300-37J00; S1

V. 12, **kW.** 1.2, **Core OD** 52.90, **Shaft L.** 159.10, **No. of teeth** 11, **Rotation** CR/ACR



137039 Armature

Replacing: 1385940; at13859; 1385940at30sm

Servicing: 0139940m030sm; 0319940m030sm; 1122840m030sm; 1710940mo30sm; 2070240mo30sm; 2072240m030sm; 4367340mo

V. 12, **Core OD** 55.00, **Shaft L.** 217.50, **Splines** 6, **Rotation** ACR



137040 Armature

Replacing: 1796640; at17966; 1796640at30sm

Servicing: 0996340M030SM; -o30sm; 1574440M030SM; 1574540mo30sm; 4820140M030SM; 4840540mo30sm; sm09964; -15744;

V. 12, **Core OD** 55.00, **Shaft L.** 235.25, **Splines** 6, **Rotation** ACR



137041 Armature

Replacing: 4438840; at44388; 4438840at30sm

Servicing: 0996140mo30sm; 4438540M030SM; sm09961; -44385; smh12b31; -3; -5

V. 12, **Core OD** 55.25, **Shaft L.** 200.00, **Splines** 6, **Rotation** ACR



137042 Armature

Replacing: 1389040; at13890; 1389040at30sm

Servicing: 1149540MO30SM; 5071240M030SM; sm02556; -11495

V. 12, **Core OD** 55.25, **Shaft L.** 184.60, **Splines** 6, **Rotation** ACR



137043 Armature

Replacing: 1386340; at13863; 1386340at30sm

Servicing: 01814240M030SM; 0814240M030SM; 5672740M030SM; sm08142

V. 12, **Core OD** 55.15, **Shaft L.** 243.10, **Splines** 7, **Rotation** ACR



137044 Armature

Replacing: 1780040; at17800; 1780040at30sm

Servicing: 4820440M030SM; sm14916; -48204

V. 12, **Core OD** 55.00, **Shaft L.** 261.00, **Splines** 6, **Rotation** ACR



234213 Armature

Replacing: 1385540; at13855; 1385540at30sm

Servicing: 1077740dv30sm; 1122940-m030sm; 1799640MO30SM; 2030940mo30sm; 4367040mo30sm; 4367140mo30sm; 4367240M

V. 12, **Core OD** 55.30, **Shaft L.** 199.00, **Splines** 6, **Rotation** ACR



234214 Armature

Replacing: 1177440; at11774; 1177440at30sm

Servicing: 0599440-m030sm; 0599540mo30sm; 4372740MO30SM; sm05994; -5; -6; -7; -18450; -43727; -h12a1; smh12a11

V. 12, **Core OD** 55.15, **Shaft L.** 166.0, **Splines** 7, **Rotation** ACR



234215 Armature

Replacing: 1250640; at12506; 1250640at30sm

Servicing: 1492540mo30sm; 1570140mo30sm; 1635340-m030sm; 4733040mo30sm; sm12507; -4925; -5701; -6353; -47330

V. 12, **Core OD** 55.20, **Shaft L.** 166.00, **Splines** 7, **Rotation** ACR



234216 Armature

Replacing: 1781140; at17811; 1781140at30sm

Servicing: 1613540mo30sm; 1892140mo30sm; SM16135; -8921

V. 12, **Core OD** 55.00, **Shaft L.** 218.00, **Splines** 7, **Rotation** ACR



234217 Armature

Replacing: 5667340; 5663540AT30SM

V. 12, **Core OD** 55.15, **Shaft L.** 168.00, **Splines** 7, **Rotation** ACR



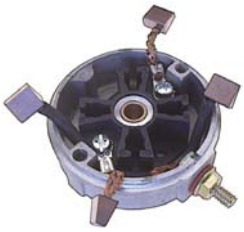
234218 Armature

Replacing: 1819340; at18193; 5667740; 1819340at30sm; 234128

Servicing: 1819040mo30sm; 1819140M030SM; 5213140MO30SM; sm18190

V. 12, **Core OD** 55.00, **Shaft L.** 196.70, **Splines** 6, **Rotation** ACR

C.E. Brackets



136655 C.E. Bracket

Replacing: 0145640cp30sm; 2025040cp30sm; 2071640cp30sm; cp01456; cp20250; -716; cp551353as; 136654; -6; 4743140

Servicing: 0139940m030sm; 0228940mo30sm; 0246540mo30sm; 0246640MO30SM; 0599440-m030sm; 0599540mo30sm; 0797740m

12 V W/ brushes



136660 C.E. Bracket

Replacing: 0261240cp30sm; 1127040cp30sm; 5668140cp30sm; 5703840cp30sm; cp551406a; cp551406as; 1822140cp30sm

Servicing: 0203740sm30sm; 0255640-mo30sm; 157440M030SM; 1574440M030SM; 1574540mo30sm; 1819040mo30sm; 4438540M0

12 V W/ brushes



137045 C.E. Bracket

Replacing: 4823040cp30sm; cp17188; cp48229; -30; -31; -719; 4872940cp30sm; 4872940sc30sm

Servicing: 1147840MO30SM; 4820140M030SM; 4820440M030SM; 4820540MO30SM; 4838740mo30sm; 4886540mo30sm; sm01446;

12 V W/ brushes



231003 C.E. Bracket

Replacing: 5265040cp30sm

Servicing: 4412040M030SM; 5273440M030SM

12 V W/ brushes



231004 C.E. Cover

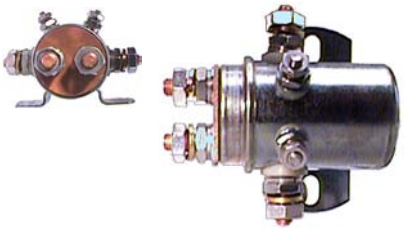
Replacing: 2136140c930sm; 5668640c930sm; 566864cp30sm; cp18197a3; 1819740cp30sm

Servicing: 1819140M030SM; 4733040mo30sm; 56666440M030SM; 56666640M030SM; SM18191

12 V W/ brushes

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Solenoids



138068 Solenoid

Replacing: 1114223; -534; 15-323; -86; so51189; SBD-4201A; -G

V. 12, **Amp.** 200, **B+** M8, **Intermittent load** 900, **Seconds** 5, **Coil bolt** M8
Silver contact.

Drives

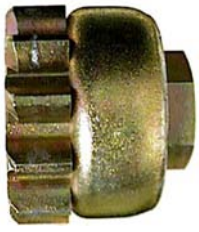


135400 Drive

Replacing: 1801940dv30sm; dv18019; 7017540DV30SM

Servicing: 0139940m030sm; 0228940mo30sm; 0246540mo30sm; 0246640MO30SM; 0319940m030sm; 0996340mo30sm; 1097028m0

O.D. 31.75, **I.D.** 13.00, **L.** 36.00, **No. of teeth** 10, **Rotation** ACR, **Drive type** Bronze



135401 Drive

Replacing: 23360-30r12; 1637540dv30sm; dv16375

Servicing: 0255640-mo30sm; 4411940-m030sm; sm02556; -44119; -48510

O.D. 42.55, **I.D.** 12.75, **L.** 35.40, **No. of teeth** 11, **Rotation** ACR, **Drive type** Bronze



135402 Drive

Replacing: 4787140dv30sm; dv08154; dv47871; dv70104; 0815440dv30sm; 7010440dv30sm

Servicing: 0814240M030SM; 4820440M030SM; 4820540MO30SM; 4886540mo30sm; 5275640Mo30SM; 5672740M030SM; sm08142;

O.D. 26.85, **I.D.** 12.25, **L.** 35.85, **No. of teeth** 8, **Rotation** ACR, **Drive type** Bronze



135403 Drive

Replacing: 0255740dv30sm; dv02557

Servicing: 0996140mo30sm; sm09961; smh12b31; -7

O.D. 28.55, **I.D.** 12.15, **L.** 35.65, **No. of teeth** 9, **Rotation** ACR, **Drive type** Bronze



135404 Drive

Replacing: 2034640dv30sm; dv20346

Servicing: 1122940-m030sm; 1574440M030SM; 1574540mo30sm; 1799640MO30SM; 5059240MO30SM; 5071240M030SM; SM002610

O.D. 36.50, **I.D.** 12.90, **L.** 36.20, **No. of teeth** 9, **Rotation** ACR, **Drive type** Steel



135405 Drive

Replacing: 1090840dv30sm; dv10908; MGD-1461B

Servicing: 1077740dv30sm; 1122840m030sm; 1149540MO30SM; 1692340m030sm; 1710940mo30sm; 4367040mo30sm; 4367140mo

O.D. 39.80, **I.D.** 12.75, **L.** 36.45, **No. of teeth** 10, **Rotation** ACR, **Drive type** Bronze



135406 Drive

Replacing: 4419240dv30sm; dv44192; 7010340dv30sm

Servicing: 4412040M030SM; 5273440M030SM; sm44120

O.D. 29.00, **I.D.** 12.65, **L.** 36.55, **No. of teeth** 9, **Rotation** ACR, **Drive type** Bronze



135408 Drive

Replacing: 1820040dv30sm; dv18200

Servicing: 1819040-mo30sm; 1819040mo30sm; 1819140M030SM; 2134940-M030SM; 2134940Mo30SM; 5213140-m030sm; 521314

O.D. 29.00, **I.D.** 12.15, **L.** 36.65, **No. of teeth** 9, **Rotation** ACR, **Drive type** Bronze



135409 Drive

Replacing: 4733840dv30sm; dv47338; dv551067; dv551067a; dv551067as; 5695340KT30SM; 5695KT30SM

Servicing: 0599440-m030sm; 0599540mo30sm; 1570140mo30sm; 1635340-m030sm; 4733040mo30sm; 5129640mo30sm; 5665740

O.D. 32.00, **I.D.** 10.45, **L.** 27.00, **No. of teeth** 10, **Rotation** ACR, **Drive type** Bronze



135410 Drive

Replacing: dv551092a; dv551092as

Servicing: smh12a102; -201; -202; -3A102; -3A201; -3A202; SMH13A62

O.D. 32.00, **I.D.** 10.50, **L.** 29.55, **No. of teeth** 10, **Rotation** ACR, **Drive type** Bronze



135411 Drive

Replacing: dv551068a

Servicing: smh12a11

O.D. 38.75, **I.D.** 10.50, **L.** 30.25, **No. of teeth** 18, **Drive type** Bronze



230903 Drive

Replacing: dv551066a; 4373340dv30sm; dv43733

Servicing: 0599640M030SM; 4372740-m030sm; 4372740MO30SM; kt05996; SM05996; -43727; -h12a6

O.D. 34.00, **L.** 25.00, **No. of teeth** 16, **Rotation** ACR



231005 Drive

Replacing: 1487940dv30sm; dv14879

Servicing: 1492540mo30sm; 5225040-m030sm; 5225040MO30SM; 5239740-m030sm; 5239740MO30SM; 5278340-m030sm; 527834

O.D. 38.25, **I.D.** 10.90, **L.** 30.45, **No. of teeth** 13, **Rotation** ACR, **Drive type** Bronze



231767 Drive

Replacing: 31206-2f5-l31; 31206-zf5-l31; 5712820dv30sm; 1.01.0708.0

Servicing: 5943820M030SM; -o30sm

O.D. 32.00, **I.D.** 12.00, **L.** 36.50, **No. of teeth** 10, **Rotation** ACR, **Drive type** Bronze

Drive Parts



139395 Pinion

Replacing: 280104; 693059; 280104

Servicing: 390838

O.D. 41.00, **I.D.** 20.50, **H.** 11.50, **No. of teeth** 16, **Splines** 2



139418 Drive Kit

Replacing: 490421; 393254; 396865; 490771; 495878

Gear: Cargo 139395.



230399 Drive Kit

Replacing: 491836; 6024140ge30sm

Servicing: 490753; -5104; 6013840Mo30SM; 6019440mo30sm

O.D. 40.00, **L.** 19.50, **No. of teeth** 16



231161 Drive

Replacing: 281127; 691918

O.D. 66.00, **I.D.** 16.15, **H.** 11.40, **No. of teeth** 19, **Splines** 2

Anti CW rotation.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Brush Sets



140714 Brush Set

Replacing: 1090040kt30sm; kt10900; 5265440KT30SM; 6073540kt30sm
Servicing: 0139940m030sm; 0196540mo30sm; 0203740sm30sm; 0228940mo30sm; 0246540mo30sm; 0246640MO30SM; 0255640-m
V. 12, **L.** 10.55, **Th.** 7.95, **H.** 11.72, **No. of brushes** 4



140747 Brush Set

V. 12, **L.** 10.50, **Th.** 7.90, **H.** 12.05, **No. of brushes** 4



140749 Brush Set

Replacing: 2136840kt30sm; 4760140kt30sm; kt21368; kt47601; 140748
Servicing: 1819140M030SM; 2134940Mo30SM; 4367240MO30SM; 4367340mo30sm; 4733040mo30sm; 5082740MO30SM; 5129640mo
V. 12, **L.** 10.34, **Th.** 7.80, **H.** 12.66, **No. of brushes** 4



141053 Brush Set

Replacing: 391705; -91
Servicing: 390838
V. 12, **L.** 9.50, **Th.** 6.30, **H.** 12.50, **No. of brushes** 4



141262 Brush Set

Replacing: kt20249; 2024940kt30sm; 5716740kt30sm; 4793640kt30sm
Servicing: 0599440-m030sm; 0599540mo30sm; 1492540mo30sm; 1570140mo30sm; 1574440M030SM; 1574540mo30sm; 1613540m
V. 12, **L.** 10.45, **Th.** 7.75, **H.** 12.75, **No. of brushes** 4

Bushings

Pkg 10



141226 Bushinging

Replacing: 5664940; bg661011s
O.D. 19.10, **I.D.** 13.20, **L.** 11.90, **Material** Copper

Pkg 10



141227 Bushinging

Replacing: bg3037s
Servicing: 0139940m030sm; 0228940mo30sm; 0246540mo30sm; 0246640MO30SM; 0255640-mo30sm; 0261040mo30sm; 0599440-
O.D. 11.70, **I.D.** 8.55, **L.** 10.00, **Material** Copper

Pkg 10



141228 Bushinging

Replacing: bg3038s
Servicing: 0139940m030sm; 0228940mo30sm; 0246540mo30sm; 0246640MO30SM; 0255640-mo30sm; 0261040mo30sm; 0599440-
Collar O.D. 25.30, **O.D.** 20.00, **I.D.** 17.20, **L.** 13.10, **Material** Copper

Repair Kits



139394 Repair Kit

Replacing: 395538
V. 12, **L.** 9.5, **Th.** 9.5, **H.** 14.3, **No. of brushes** 2

Sundry Parts



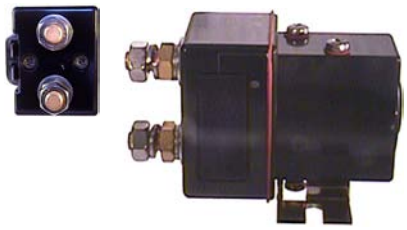
231162 Stop Collar Kit

Replacing: kt18900; 1890040; 1890040kt30sm; 5695240KT30SM

Servicing: 1819040mo30sm; 1819140M030SM; 2134940Mo30SM; 5213140MO30SM; 5213240Mo30SM; 5666240-mo30sm; 5666240m

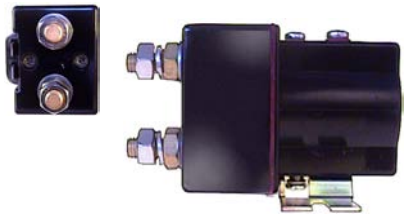
Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Solenoids



138684 Solenoid

Replacing: sw80-751pe; 138684; 3212
V. 12, **Amp.** 100, **B+** M8, **Coil bolt** M8
Silver contact.



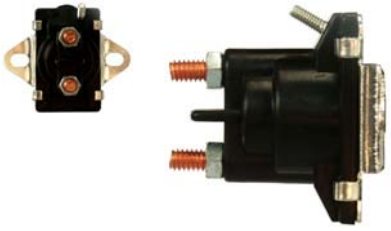
138685 Solenoid

Replacing: sw80-753pee; 138685; 3224
V. 24, **Amp.** 100, **B+** M8, **Coil bolt** M8
Silver contact.



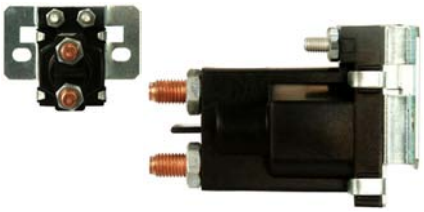
231525 Solenoid

V. 12, **Amp.** 80, **B+** 1/4"-20, **Coil bolt** 1/4"-20



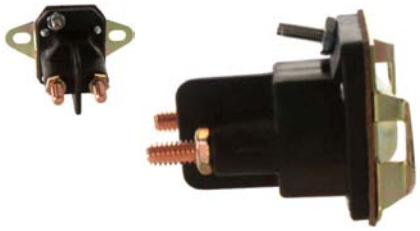
231526 Solenoid

V. 12, **Amp.** 80, **B+** 5/16-24, **Coil bolt** 5/16-24



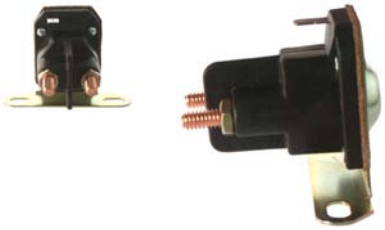
231527 Solenoid

V. 12, **Amp.** 80, **B+** 5/16-24, **Coil bolt** 5/16"-24



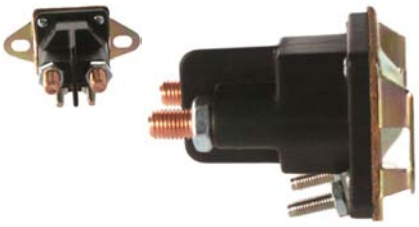
234070 Solenoid

V. 12, **B+** 1/4"-20, **Coil bolt** 1/4"-20



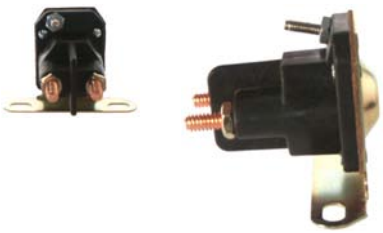
234071 Solenoid

V. 12, **Amp.** 80, **B+** 5/16-24, **Coil bolt** 5/16-24



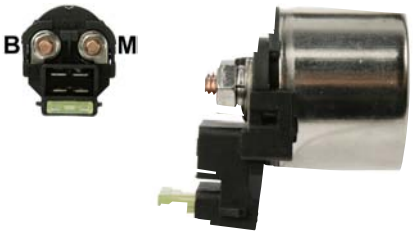
234072 Solenoid

V. 12, **Amp.** 80, **B+** 5/16-24, **Coil bolt** 5/16-24



234073 Solenoid

V. 12, **Amp.** 80, **B+** 1/4"-20, **Coil bolt** 1/4"-20



235593 Solenoid

Replacing: zm-102; 35851-KBB-900; 235593
V. 12, **Amp.** 20, **B+** M6
w/ 20 A fuse.



235594 Solenoid

Replacing: 35850-MCG-00; zm-103; 235594
V. 12, **Amp.** 30, **B+** M6, **Coil bolt** M6
w/ 30 A. fuse.



235595 Solenoid

Replacing: 35850-KW1-900; 35851-MF5-751; 35851-mfs-751; 35860-kga-940; zm-111; 235595
V. 12
w/ 15 A. fuse.



235596 Solenoid

Replacing: 35850-kas-930; ZM-112; 235596
V. 12, **B+** M6, **Coil bolt** M6
w/ 20 A fuse.

Solenoids



130503 Solenoid

Replacing: 4h0507; 130503

V. 6, **Amp.** 130, **B+** M8, **Coil bolt** M8

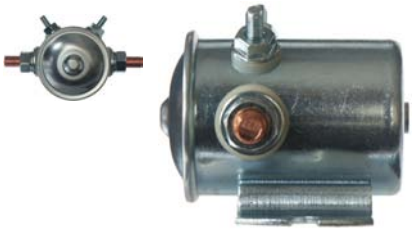
Ground (buttom). Flat bearing bracket.



132939 Solenoid

V. 12, **Amp.** 80, **B+** M8, **Intermittent load** 150, **Seconds** 5, **Coil bolt** M8

Insulated



132940 Solenoid

V. 24, **Amp.** 60, **B+** M8, **Intermittent load** 100, **Seconds** 5, **Coil bolt** M8

Insulated



133616 Solenoid

V. 12, **Amp.** 80, **B+** M8, **Intermittent load** 150, **Seconds** 5, **Coil bolt** M8

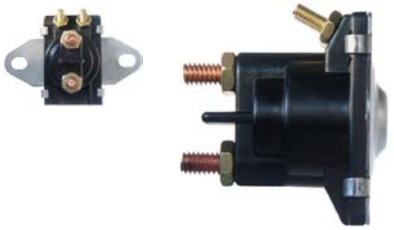
Insulated return. Silver contact.



133617 Solenoid

V. 24, **Amp.** 50, **B+** M8, **Intermittent load** 50, **Seconds** 5 Sek, **Coil bolt** M8

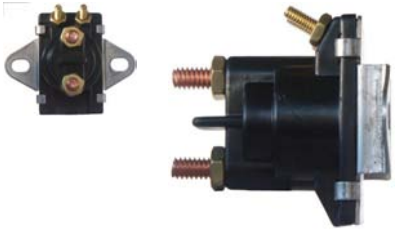
Insulated return.



139856 Solenoid

Replacing: 89-96054; 139856

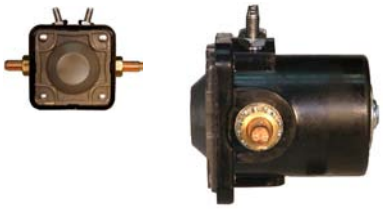
V. 12.0, **B+** M8, **Coil bolt** M8



139857 Solenoid

Replacing: 89-96158; 139857

V. 12, **B+** M8, **Coil bolt** M8



139859 Solenoid

Replacing: 383622; 395419; 582708; 586180; 139859

V. 12, **B+** M8, **Coil bolt** M8



139860 Solenoid

Replacing: 979774; 139860

V. 12



230964 Solenoid

Replacing: zm-404; 230964

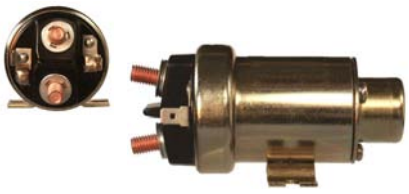
V. 24, **Amp.** 200, **B+** M8, **Intermittent load** 800, **Seconds** 5, **Coil bolt** M8



231807 Solenoid

Replacing: zm-405; 231807

V. 12, **Amp.** 200, **B+** M8, **Intermittent load** 800, **Seconds** 5, **Coil bolt** M8



231808 Solenoid

Replacing: zm-406; 231808

V. 12, **Amp.** 200, **B+** M8, **Intermittent load** 800, **Seconds** 5, **Coil bolt** M8

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



231809 Solenoid

Replacing: zm-1405; 231809

V. 12, **Amp.** 200, **B+** M8, **Intermittent load** 800, **Seconds** 5, **Coil bolt** M8



231810 Solenoid

Replacing: zm-1406; 231810

V. 24, **Amp.** 200, **B+** M8, **Intermittent load** 800, **Seconds** 5, **Coil bolt** M8



235443 Solenoid

V. 24, **Amp.** 100, **Intermittent load** 200, **Seconds** 5
Silver Contact



235646 Solenoid

V. 36, **Amp.** 50, **Intermittent load** 100, **Seconds** 5



235647 Solenoid

V. 36, **Amp.** 60, **Intermittent load** 150, **Seconds** 5

Solenoid Shutdown



090109 Shut Down Solenoid

Replacing: 1502es12c3u1b2s1; 090109

Servicing: External.

V. 12, **Amp.** 30, **Thread** 6, **Type** Stop solenoid, **Return Spring** 9 newton, **Hold Rating** 89 Newton, **Pull Rating** 40 Newton
Universal. Syncro start / Woodvard.



090110 Shut Down Solenoid

Replacing: 1502es24c3u1b2s2; 090110

Servicing: External

V. 24, **Amp.** 18.0, **Thread** 6, **Type** Stop solenoid, **Return Spring** 9 Newton, **Hold Rating** 89 Newton, **Pull Rating** 40 Newton
Universal.. Synco start / Woodvard.



090111 Solenoid Shutdown Kit

Replacing: 2001es12e3u1b2s2; SA-5174-12; 090111

Servicing: External

V. 12, **Amp.** 45, **Thread** 1/4", **Type** Stop solenoid, **Return Spring** 35 Newton, **Hold Rating** 178 Newton, **Pull Rating** 75 Newton
Universal Syncro start / Woodvard



090113 Solenoid Shutdown

Replacing: 2001es24e3u1b2s2; SA-5174-24; 090113

Servicing: External

V. 24, **Amp.** 22, **Thread** 6, **Type** Stop solenoid, **Return Spring** 35 Newton, **Hold Rating** 178 Newton, **Pull Rating** 75 Newton
Universal Syncro start / Woodvard



090160 Shut Down Solenoid

Replacing: 150212c3u1b1s1a; SA-5171; 090160

Servicing: Universal.

V. 12, **Amp.** 30, **Thread** 6, **Type** Stop solenoid, **Return Spring** 17 Newton, **Hold Rating** 89 Newton, **Pull Rating** 40 Newton
Syncrostart/Woodward Internally



090161 Shut Down Solenoid

Replacing: 150224c3u1b1s2a; 090161
Servicing: Universal.
V. 24, **Amp.** 16, **Thread** 6, **Type** Stop solenoid, **Return Spring** 17 Newton, **Hold Rating** 89 Newton, **Pull Rating** 40 Newton
Syncrostart/Woodward. Internally



090168 Shut Down Solenoid

Replacing: 200112e3u1b2s2; 090168
Servicing: Universal
V. 12, **Amp.** 45, **Thread** 6, **Type** Stop solenoid, **Return Spring** 35 Newton, **Hold Rating** 178 Newton, **Pull Rating** 75 Newton
Syncrostart/Woodward. Internally



090169 Shut Down Solenoid

Replacing: 200124e3u1b2s2; 090169
Servicing: Universal
V. 24, **Amp.** 25, **Thread** 6, **Type** Stop solenoid, **Return Spring** 35 Newton, **Hold Rating** 178 Newton, **Pull Rating** 75 Newton
Syncrostart/Woodward. Internally



090199 Shut Down Solenoid

Replacing: sa-4180-12; 090199
Servicing: Red=Hold, White=Pull, Black=Ground
V. 12, **Amp.** 46, **Thread** 6, **Type** Stop solenoid, **Return Spring** 17 Newton, **Hold Rating** 178 Newton, **Pull Rating** 89 Newton
Universal Syncro start / Woodvard

090200 Shut Down Solenoid

Replacing: sa-4182-24; 090200
Servicing: Red=Hold,White=Pull, Black=Ground
V. 24, **Amp.** 18.0, **Thread** 6, **Type** Stop solenoid, **Return Spring** 17 Newton, **Hold Rating** 178 newton, **Pull Rating** 67 Newton
Universal Syncro start / Woodvard Timermodul 090116



090210 Solenoid Shutdown

Replacing: 175112a2u1b1s1a; 090210
V. 12, **Amp.** 46, **Thread** 46844, **Type** Stop solenoid, **Return Spring** 9 Newtons, **Hold Rating** 178 Newtons, **Pull Rating** 89 Newtons



090224 Shut Down Solenoid

Replacing: 150212c7u2b2s7; sa3405t; 090224
V. 12, **Amp.** 17, **Return Spring** 17 Newtons, **Hold Rating** 89 Newtons, **Pull Rating** 40 Newtons



090226 Shut Down Solenoid

Replacing: sa-4228; 090226
Servicing: Volvo
V. 24, **Amp.** 24.0, **Thread** 6, **Type** Stop solenoid, **Return Spring** 7 Newton, **Hold Rating** 182 Newton, **Pull Rating** 111 Newton
Syncrostart/Woodward. Red=Common. White=Pull. Yellow=Hold.



090297 Solenoid Shutdown

Replacing: 1751 24A2U1BS1A; 175124A2U1BS1A; 090297
V. 24, **Amp.** 46, **Return Spring** 7-11 Newtons, **Hold Rating** 169 Newtons, **Pull Rating** 107 Newtons



090312 Shut Down Solenoid

Replacing: SA-4781-24; 090312
V. 24, **Amp.** 62, **Return Spring** 8-14 Newtons, **Hold Rating** 182 Newtons, **Pull Rating** 129 Newtons

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



090317 Shut Down Solenoid

Replacing: ES622AM3TG; 090317

V. 24, **Amp.** 20, **Return Spring** 45 Newtons, **Hold Rating** 245 Newtons, **Pull Rating** 98 Newtons

---



090318 Shut Down Solenoid

Replacing: ES612AM3TG; 8017114; 090318

V. 12, **Amp.** 37, **Return Spring** 45 Newtons, **Hold Rating** 245 Newtons, **Pull Rating** 98 Newtons

---



090348 Stop Solenoid

Replacing: 90348

Servicing: Externally

V. 12, **Amp.** 46, **Thread** 6, **Type** Stop solenoid, **Return Spring** 4-8 newton, **Hold Rating** 182 Newton, **Pull Rating** 111 Newton

Universal. Syncrostart/Woodvard



090370 Solenoid Shutdown

Replacing: SA-4899-12; 090370

Servicing: Kubota D722, Z482

V. 12, **Amp.** 46, **Type** Stop solenoid



090371 Solenoid Shutdown

Replacing: SA-4899-24; 090371

Servicing: Kubota D722, Z482

V. 24, **Amp.** 25, **Type** Stop solenoid

Pull Coil Timers



090115 Pull Coil Timer

Replacing: 90115



090116 Pull Coil Timer

Replacing: SA-4092-24; 090116

Sundry Parts

Pkg 10



133370 Terminal Lead

I.D. 8.45, **Lead L.** 107.55

M8.

Assort. 803006

Pkg 10



133371 Terminal Lead

I.D. 8.45, **Lead L.** 106.45

M8.

Assort. 803006

Pkg 10



133372 Terminal Lead

I.D. 8.45, **Lead L.** 106.75

M8.

Assort. 803006

Pkg 10



133390 Field Lead

Replacing: fbm-27; 140506; 133390

I.D. 8.50, **Lead L.** 60.00

M8.

Assort. 803006

Pkg 10



133505 Terminal Lead

I.D. 8.40, **Lead L.** 39.50

M8.

Assort. 803006

Pkg 10



133506 Terminal Lead

I.D. 8.50, **Lead L.** 52.65
M8.
Assort. 803006

Pkg 10



134064 Terminal Lead

I.D. 8,4, **Lead L.** 53
M8.
Assort. 803006

Pkg 10



134921 Terminal Lead

I.D. 10.35, **Lead L.** 68.20
M10.
Assort. 803006

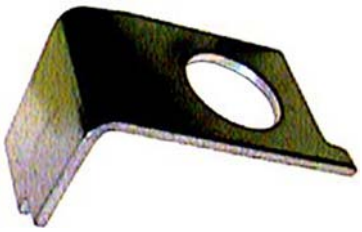
Pkg 5



135202 Terminal

M8.

Pkg 50



135203 Terminal

M8.

Pkg 10



136766 Terminal Lead

I.D. 8.45, **Lead L.** 67.25
M8.



140398 Brush Leader

H. 1.00 M
Assort. 803006



140399 Brush Leader

H. 1.00 M
Assort. 803006



140400 Brush Leader

H. 1.00 M
Assort. 803006



140704 Brush Leader

H. 1.00 M
Assort. 803006

Pkg 10



230793 Terminal Lead

I.D. 8.50, **Lead L.** 106.80
M8.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Armatures



130225 Armature

Replacing: 058120; 076645; ne031
Servicing: d11e109; -10; -42; -43; d11e79
V. 12, **kW.** 1.9, **Core OD** 75.80, **Shaft L.** 280.00, **Splines** 6, **Rotation** CR



130238 Armature

Replacing: 075658; ne029
Servicing: D8E121; -42; -52; D8E81; -9E12; -9E20; -9E22; -9E26; -9E34; -9E35; -9E37; -9E41
V. 12, **kW.** 0.9, **Core OD** 55.85, **Shaft L.** 239.55, **Splines** 12, **Rotation** CR
Commutator: Cargo B134584



130241 Armature

Replacing: 077771; ne034
Servicing: D8E115; -7; -29; -33; -34; -37; -39; -47; -51; D9E11; -8; -9; -28; D9E7; -9
V. 12, **kW.** 0.9, **Core OD** 56.00, **Shaft L.** 250.35, **Splines** 12, **Rotation** CR
KW = 0.9/1.05/1.15 Commutator: Cargo B134584



130949 Armature

Replacing: 618687; ne296
Servicing: 534002A; -3A; -3B; -3C; -4A; -4B; -5A; -5B; -5C; 6246A; -C
V. 12, **kW.** 0.8/1.0, **Core OD** 60.00, **Shaft L.** 210.00, **Splines** 9, **Rotation** CR
Commutator: Cargo b134587.



131020 Armature

Replacing: 095955; ne041
Servicing: D11E156; -61
V. 12, **kW.** 2.5, **Core OD** 76.00, **Shaft L.** 310.00, **Splines** 12, **Rotation** CR
Commutator: Cargo B134598



131069 Armature

Replacing: 095425; ne040
Servicing: D11E153; D11E153T
V. 12, **kW.** 2.9, **Core OD** 75.40, **Shaft L.** 330.00, **Splines** 12, **Rotation** CR



131094 Armature

Replacing: 612117; ne288
Servicing: 532002A; -B; -C; -3A; -3B; -4A; -4B; -4C; -9A; -9B; -10A; -10B; -18A; 6231C
V. 12, **kW.** 0.8, **Core OD** 56.50, **Shaft L.** 244.50, **Splines** 11, **Rotation** CR
KW = 0.8/0.95/1.0



131190 Armature

Replacing: 099741; ne050
Servicing: D11E172; -272
V. 12, **kW.** 2.5, **Core OD** 75.65, **Shaft L.** 282.90, **Splines** 9, **Rotation** CR
Commutator: Cargo B136814



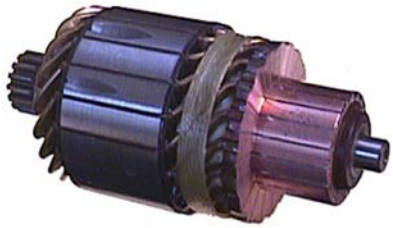
131813 Armature

Replacing: 101581; 102380; ne053
Servicing: D9E100; -1; -8; -23; -24; -25; -27; -29; -37; -38; -200; -237; -238; -276; -278; -300; D9E36; -8; -
V. 12, **kW.** 1.05/1.2, **Core OD** 60.00, **Shaft L.** 188.70, **Splines** 9, **Rotation** CR
Commutator: Cargo B134594



132027 Armature

Replacing: 182049; -175; 594148; 132026
Servicing: d9r105; d9r1050; d9r106; -16; -18; -19; -22; -26; -34; -35; -39; -42; -44; -49; D9R73; -89; -90; -9
V. 12, **kW.** 2.0/2.2/3.1, **Core OD** 60.00, **Shaft L.** 137.70, **Rotation** CR
Gear: Cargo 135867



132028 Armature

Replacing: 182053; 192053; 594028
Servicing: D9R112; -21; D9R84
V. 12, **kW.** 2.0/3.1, **Core OD** 60.00, **Shaft L.** 128.80, **No. of teeth** 15, **Rotation** CR
Gear: Cargo 135867 Commutator: Cargo B232974



132107 Armature

Replacing: 104147; 182227
Servicing: D10E85; -7; -8; D10E881; -2; D10E89; -90; -92; D10E921; -2; d15e30te
V. 12, **kW.** 2.15, **Core OD** 65.30, **Shaft L.** 238.50, **Splines** 9, **Rotation** CR
Commutator: Cargo B134595



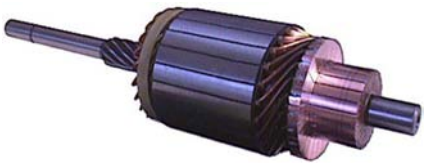
132109 Armature

Replacing: 105294
Servicing: D11E191; -2; -5
V. 12, **kW.** 2.5, **Core OD** 75.90, **Shaft L.** 305.00, **Splines** 9, **Rotation** CR
Commutator: Cargo B134597



132148 Armature

Replacing: 100094; ne051
Servicing: D11E173
V. 12, **kW.** 2.8, **Core OD** 75.80, **Shaft L.** 319.00, **Splines** 9, **Rotation** ACR



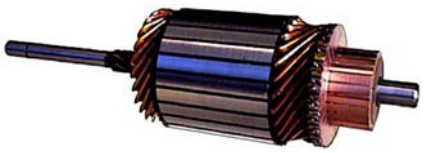
132160 Armature

Replacing: 583156; ne278
Servicing: 538006a
V. 12, **kW.** 2.5, **Core OD** 73.50, **Shaft L.** 305.50, **Splines** 11, **Rotation** CR
Commutator: Cargo b134598.



132173 Armature

Replacing: 098356; ne046
Servicing: D11E169; -76
V. 12, **kW.** 2.8/2.9, **Core OD** 75.50, **Shaft L.** 319.20, **Splines** 9, **Rotation** CR
Commutator: Cargo B134599



132199 Armature

Replacing: 101649; ne054
Servicing: D11E177
V. 12, **kW.** 1.4, **Core OD** 76.20, **Shaft L.** 291.50, **Splines** 9
Commutator: Cargo B134597



132613 Armature

Replacing: 096469; ne043
Servicing: D11E163
V. 12, **kW.** 2.2, **Core OD** 75.95, **Shaft L.** 282.15, **Splines** 9, **Rotation** CR



132618 Armature

Replacing: 101923
Servicing: D9E31; -2; -40; -45; -53; -64; -75; -82; -87; -95
V. 12, **kW.** 1.05, **Core OD** 60.00, **Shaft L.** 203.50, **Splines** 9, **Rotation** CR
KW = 1.05/1.2 Commutator: Cargo B134594



132704 Armature

Replacing: 096500; ne044
Servicing: D11E164
V. 12, **kW.** 2.2, **Core OD** 75.80, **Shaft L.** 288.10, **Splines** 9, **Rotation** ACR



132953 Armature

Replacing: 59724
Servicing: D13E105; -11; D13E64; -71; -73; D13E73TE; D13E74; D13E74TE; D13E78; D13E78TE; D13E79; D13E79TE; D13
V. 24, **kW.** 7.7/8.4, **Core OD** 84.85, **Shaft L.** 406.10, **Splines** 6, **Rotation** CR

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



132954 Armature

Replacing: 75914

Servicing: D13E107TE; -9TE; -10TE; D13E76; -7; D13E86TE; -7TE; -93TE; -94TE; -96TE

V. 24, **kW.** 8.8, **Core OD** 85.00, **Shaft L.** 463.30, **Splines** 6, **Rotation** CR/ACR



132955 Armature

Replacing: 076573; ne663

Servicing: D13E101TE; -8TE; D13E116; D13E72; -81; D13E81T; D13E81TE; D13E82T; D13E83; -5

V. 24, **kW.** 7.7, **Core OD** 84.90, **Shaft L.** 421.00, **Splines** 6, **Rotation** CR



132956 Armature

Replacing: 106062

Servicing: D13E117TE; -8TE; -9TE; -20TE; -21TE; -22TE; -23TE

V. 24, **kW.** 8.8, **Core OD** 84.85, **Shaft L.** 432.90, **Splines** 19, **Rotation** CR/ACR



133136 Armature

Replacing: 095981; ne042

Servicing: d11e159; -65

V. 12, **kW.** 1.95, **Core OD** 75.90, **Shaft L.** 280.50, **Splines** 12, **Rotation** CR

Commutator: Cargo 134597



133210 Armature

Replacing: 074318; ne024

Servicing: d10e47; -73; S13-36

V. 12, **kW.** 1.5, **Core OD** 65.40, **Shaft L.** 270.10, **Splines** 9, **Rotation** ACR



133211 Armature

Replacing: 74405

Servicing: D10E48; -54; -57; -63; -64; -65; -76; -80; -84

V. 12, **kW.** 1.25, **Core OD** 65.45, **Shaft L.** 270.20, **Splines** 9, **Rotation** CR



133212 Armature

Replacing: 075515; 094537; ne037; 132617

Servicing: D8E104; -22; -24; D8E76; -96; -98

V. 12, **kW.** 0.9, **Core OD** 55.90, **Shaft L.** 259.10, **Splines** 9, **Rotation** CR

Commutator: Cargo B134584



133214 Armature

Replacing: 095965; ne500

Servicing: d11e154; -5

V. 12, **kW.** 2.9, **Core OD** 75.70, **Shaft L.** 337.50, **Splines** 12, **Rotation** CR

Commutator: Cargo B134597



133218 Armature

Replacing: 583026; ne274

Servicing: 532011A

V. 12, **kW.** 1.0, **Core OD** 56.60, **Shaft L.** 252.20, **Splines** 9, **Rotation** ACR

Commutator: Cargo b134583.



133220 Armature

Replacing: 618493; ne294

Servicing: 6223A; -44A; -45A

V. 12, **kW.** 1.0, **Core OD** 56.70, **Shaft L.** 248.40, **Splines** 11, **Rotation** CR

Commutator: Cargo b134583.



133221 Armature

Replacing: 618686; ne295

Servicing: 532012A; -B; -21A; -23A; 6202c; -d; -e; -f

V. 12, **kW.** 0.75, **Core OD** 56.60, **Shaft L.** 219.50, **Splines** 9, **Rotation** ACR

Commutator: Cargo b134586.



133528 Armature

Replacing: 99564

Servicing: D10E74

V. 12, **kW.** 1.75, **Core OD** 65.45, **Shaft L.** 258.25, **Splines** 9, **Rotation** CR



133735 Armature

Replacing: 583306; ne456
Servicing: 534046A
V. 12, **kW.** 1.0, **Core OD** 62.00, **Shaft L.** 188.00, **Splines** 9, **Rotation** CR
Commutator: Cargo b134587.



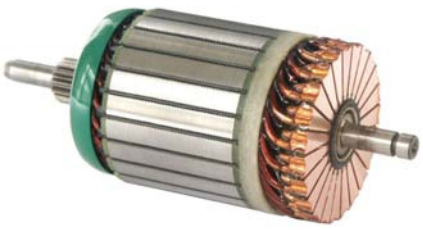
133848 Armature

Replacing: 78253
Servicing: D8E112; -20; -23; -44
V. 12, **kW.** 0.9, **Core OD** 55.80, **Shaft L.** 250.10, **Splines** 12, **Rotation** ACR



133959 Armature

Replacing: 93952
Servicing: D8E130; -1; -48; -54
V. 12, **kW.** 0.75, **Core OD** 55.90, **Shaft L.** 230.10, **Splines** 9, **Rotation** ACR
Commutator: Cargo B134584



134513 Armature

Replacing: 594526
Servicing: d6ra10; -1; -2; -3; d6ra133; d6ra15; -6; d6ra162; -5; d6ra17; -8; -9; -20; -21; -22; -23; D6RA249;
V. 12, **kW.** 1.1, **Core OD** 44.20, **Shaft L.** 111.90, **No. of teeth** 13, **Rotation** CR/ACR



134628 Armature

Replacing: 1004003124; 098360; ne089
Servicing: 0001312102; -4; -5; -6; -7; -11
V. 12, **kW.** 1.5, **Core OD** 65.05, **Shaft L.** 257.60, **Splines** 10, **Rotation** CR
Commutator: Cargo B134570.



134647 Armature

Replacing: 73403
Servicing: D8E118; D8E71; -84
V. 12, **kW.** 0.9, **Core OD** 55.90, **Shaft L.** 255.60, **Splines** 9, **Rotation** CR



134648 Armature

Replacing: 98557
Servicing: D10E72
V. 12, **kW.** 1.65, **Core OD** 65.50, **Shaft L.** 264.10, **Splines** 9, **Rotation** ACR
Commutator: Cargo B134597



134935 Armature

Replacing: 74771
Servicing: D11E131; -46
V. 12, **kW.** 2.9, **Core OD** 75.90, **Shaft L.** 325.50, **Splines** 6, **Rotation** CR



135387 Armature

Replacing: 594278; -344; 182591; ne824; 594112
Servicing: D7R1; D7R11; -2; -3; -4; -5; D7R151; D7R16; -7; -8; -9; D7R2; D7R20; -2; -3; -4; -5; -6; -7; -8; D7
V. 12, **kW.** 1.4/1.7, **Core OD** 50.00, **Shaft L.** 141.00, **Splines** 16



136427 Armature

Replacing: 74653
Servicing: D11E117; -9; D11E119T; D11E127; -9; D11E129T; D11E137; -41
V. 12, **kW.** 2.9, **Core OD** 75.65, **Shaft L.** 337.50, **Splines** 6, **Rotation** CR
Commutator: Cargo B134599



136881 Armature

Replacing: 95972
Servicing: D11E158; -60
V. 12, **kW.** 2.6, **Core OD** 75.60, **Shaft L.** 305.40, **Splines** 12, **Rotation** CR



137291 Armature

Replacing: 75371
Servicing: D11E120
V. 12, **kW.** 2.6, **Core OD** 75.70, **Shaft L.** 305.50, **Splines** 6, **Rotation** CR
Commutator: Cargo B134599

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



139221 Armature

Replacing: 73695

Servicing: D11E122; D11E122T; D11E128; D11E128T

V. 24, **kW.** 4.7, **Core OD** 75.85, **Shaft L.** 342.55, **Splines** 6, **Rotation** CR



139434 Armature

Replacing: 594519; 139450

Servicing: d7e1; d7e15; -8; -29; -30; -31; -32; d7e4; -6; -8; d7ed28

V. 12, **kW.** 0.85/1.0, **Core OD** 50.00, **Shaft L.** 155.60, **Splines** 10



139593 Armature

Replacing: 594531; -29

Servicing: D6RA137; -8; -41; -61; -68; -85; -87; -88; -210; d6ra45; -50; -51; d6ra511; d6ra52; -3; -4; -5; -6;

V. 12, **kW.** 1.1, **Core OD** 44.30, **Shaft L.** 111.92, **No. of teeth** 8, **Rotation** CR

Commutator: Cargo B139780



230250 Armature

Replacing: 594528; -30

Servicing: d6ra100; -1; -4; -5; -7; -8; -9; -10; -15; -67; -80; -81; d6ra67; -76; -77; -78; -79; -80; -81; -91

V. 12, **kW.** 1.1, **Core OD** 44.00, **Shaft L.** 112.00, **No. of teeth** 7

Commutator: Cargo B139780



231333 Armature

Replacing: 588368

Servicing: D11E167T; D11E202

V. 12, **kW.** 2.6, **Core OD** 75.90, **Shaft L.** 314.40, **Splines** 12, **Rotation** CR



231466 Armature

Replacing: 594192

Servicing: D13HP701; -2; -3; -4; -5; -9

V. 24, **kW.** 7.7, **Core OD** 85.00, **Shaft L.** 433.00, **Splines** 19, **Rotation** CR



233503 Armature

Replacing: 092010; 076828

Servicing: D8E116

V. 12, **kW.** 0.75, **Core OD** 55.85, **Shaft L.** 231.25, **Splines** 9, **Rotation** ACR

Commutator: Cargo B134584



233697 Armature

Replacing: 594219; ne936

Servicing: D13HP605; -7; -8; -9; -13

V. 24, **kW.** 6.6, **Core OD** 85.00, **Shaft L.** 397.00, **Splines** 19

Commutator: Cargo B234458



233767 Armature

Replacing: 594518

Servicing: d7e1; d7e16; -9; -20; -22; -23; -26; -27; -52

V. 12, **kW.** 0.85, **Core OD** 50.00, **Shaft L.** 155.00, **No. of teeth** 10



235493 Armature

Replacing: 594520

Servicing: d7es2; -4

V. 12, **kW.** 1.4, **Core OD** 50.00, **Shaft L.** 160.00, **Splines** 10

239544 Armature

Replacing: 594112

Servicing: d7r19; -22; -23; -28; d7r281; d7r33; -4; -5; -40; -43; -44; -46; -47; -49; -53; -56; -64; d7rp123;

V. 12, **kW.** 2.2, **Core OD** 50.00, **Shaft L.** 141.00, **No. of teeth** 16

Yokes



135392 Yoke Assy

Replacing: 594115; -276; -305; ne845
Servicing: D7R1; D7R11; -3; -5; D7R151; D7R16; -7; -8; D7R2; D7R24; -5; -6; D7R3; D7R34; -5; D7R4; D7R40; -4;
V. 12, **kW.** 1.4/1.7, **O.D.** 76.30, **L.** 119.35, **Brush gear** With, **Magnets** w/o
Field coil only: Cargo 138857



139985 Yoke Assy

Replacing: 594277; -354
Servicing: d7r19; -28; -36; -37; -43
V. 12, **kW.** 2.0/2.2, **O.D.** 76.20, **L.** 116.15, **Brush gear** With, **Magnets** w/o
Field coil only: Cargo 233853



231476 Yoke Assy

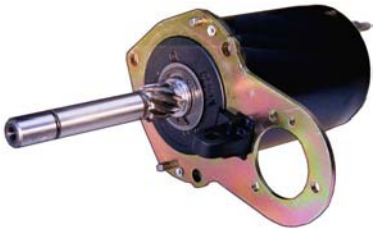
Replacing: 594477; -8; -522; -523; 236261
Servicing: d7e1; d7e15; -6; -8; -9; -20; -22; -23; -26; -27; -29; -30; -31; -32; d7e4; d7e52; d7e6; -8; d7ed28
V. 12, **kW.** 0.85/1.0, **O.D.** 78.30, **Brush gear** With, **Magnets** w/o
Brush gear: Cargo 139224, Brush set: PSX 1554



234386 Field Coil

Replacing: 594394
Servicing: d7r47; D7RS29; -30; -31
V. 12, **kW.** 2.0, **O.D.** 76.20, **L.** 116.50, **Rotation** ACR, **Brush gear** With, **Magnets** w/o

Yokes w/magnets



133079 Yoke/Arm/Gear Assy

Replacing: 594015; -9; -21; -105; -151; -176; -207; -232; -234; -237
Servicing: d6ra10; -2; -3; d6ra141; d6ra16; d6ra161; d6ra18; -20; -22; -23; -26; -30; -32; -33; -37; -38; -39;
V. 12, **kW.** 1.1
Outer gear plate: Cargo 133954.



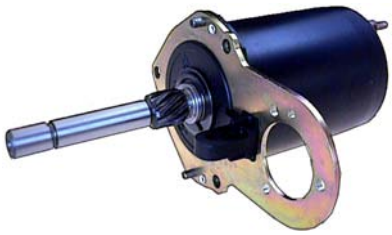
133804 Gear Housing

Replacing: 594023
Servicing: D6RA17; -9; -27; -29
V. 12, **kW.** 1.1, **Rotation** ACR
Outer gear plate: Cargo 133954.



135420 Yoke/Arm/Gear Assy

Replacing: 594020; -2
Servicing: D6RA15; -47; D6RA7
V. 12, **kW.** 1.1
Outer gear plate: Cargo 133954.



136908 Yoke/Arm/Gear Assy

Replacing: 594024
Servicing: d6ra20; -1; -42; -43; -44
Rotation ACR



137399 Field Case

Replacing: 594535; -4
Servicing: d6ra10; d6ra100; -1; -4; -5; -7; -8; -9; -10; -15; d6ra12; -3; d6ra133; -8; -41; d6ra15; -6; d6ra16
V. 12, **kW.** 1.1, **O.D.** 63.55, **L.** 96.25, **Brush gear** w/o, **Magnets** With



138187 Yoke/Arm/Gear Assy

Replacing: 594236; -8; -412; -448
Servicing: d6ra100; -7; -9; -10; -85; D6RA63; -76; -77; -78; -79; -84; -85; D7R47
V. 12, **kW.** 1.0/1.3
Anti CW rotation. Outer gear plate: Cargo 133954.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



230020 Field Case

O.D. 63.40, **L.** 96.25, **Brush gear** w/o, **Magnets** With
CCW rotation



231072 Yoke/Arm/Gear Assy

Replacing: 594363
Servicing: D6RA181; D6RA81
V. 12, **kW.** 1.1

Field Coils



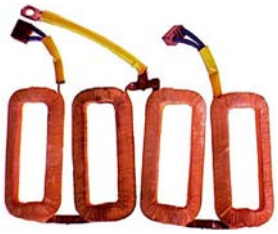
131127 Field Coil

Replacing: 099382; 101061; 102101; ne092
Servicing: D9E100; -2; -31; -200; -300; D9E31; -2; -40; -43; -44; -45; -46; -49; -52; -53; -54; -55; -62; -74;
V. 12, **kW.** 1.05, **H.** 80.65, **Brush gear** w/o



132108 Field Coil

Replacing: 104150; ne103
Servicing: D10E85; -7; -8; D10E881; -2; D10E89; -90; -92; D10E921; -2
V. 12, **kW.** 2.15, **H.** 110.65, **Brush gear** w/o



132110 Field Coil

Replacing: 105328; ne427
Servicing: D11E191; -2; -5
V. 12, **kW.** 2.5, **H.** 144.45, **Brush gear** w/o



132957 Field Coil

Replacing: 077202; 182228
Servicing: D13E107TE; -9TE; -10TE; d13e76; -7; D13E86TE; -7TE; -93TE; -94te; -96TE
V. 24, **H.** 179.50, **Brush gear** w/o
7.4/8.8 kW



132959 Field Coil

Replacing: 72177
Servicing: D13E100TE; -1TE; -4TE; D13E105; D13E108TE; D13E111; -6; D13E63; D13E63T; D13E64; -5; D13E66T; D13E6
V. 24, **kW.** 7.7, **H.** 125.00, **Brush gear** w/o



133167 Field Coil

Replacing: 099745; 182201
Servicing: D11E172; -272
V. 12, **kW.** 2.5, **H.** 131.20, **Brush gear** w/o



133168 Field Coil

Replacing: 101646; ne098
Servicing: D11E177
V. 12, **kW.** 1.4, **H.** 114.55, **Brush gear** w/o



133991 Field Coil

Replacing: 101582
Servicing: D9E101; -7; -8; -9; -10; -13; -14; -23; -24; -25; -27; -29; -32; -36; -276; -278; D9E39; -48; -56;
V. 12, **kW.** 1.05, **H.** 79.25, **Brush gear** w/o



134083 Field Coil

Replacing: 095033; ne081; 077774
Servicing: D9E11; -2; -4; -5; -6; -8; -9; -20; -21; -22; -26; -27; -28; -34; -35; -37; -41; D9E7; -9
V. 12, **H.** 92.85, **Brush gear** w/o
1.05/1.15 kW



134360 Field Coil

Replacing: 076885; 093141; -566; 094701; 095755; 098802; ne510; 130266; 131093
Servicing: d8e114; -5; -7; -21; -22; -24; -25; -26; -32; -33; -34; -37; -42; -47; -51; -52; d8e81
V. 12, **kW.** 0.9, **H.** 93.20, **Brush gear** w/o



134830 Field Coil

Servicing: d9e79; d9r121; d9r84

V. 12, **kW.** 2.0, **H.** 66.90, **Brush gear** w/o



135935 Field Coil

Replacing: 102854

Servicing: D9E57; -92; -93; -94

V. 12, **kW.** 1.05, **H.** 81.40, **Brush gear** w/o



136320 Field Coil

Replacing: 182498; 594157; 544059; 182051; 594240; 136398

Servicing: d9r105; d9r1050; d9r106; -18; -19; -22; -26; -34; -35; -39; -42; -49; d9r73; -89; -90; -91; -96; -9

V. 12, **kW.** 2.0/2.2/3.1, **H.** 85.00, **Brush gear** w/o



136428 Field Coil

Replacing: 074077; 132201

Servicing: D11E117; -9; D11E119T; D11E121; -7; -9; D11E129T; D11E131; -7; -41; -46; -54; -55; -69

V. 12, **kW.** 2.9, **H.** 119.45, **Brush gear** w/o



136668 Field Coil

Servicing: D11E122; D11E122T; D11E128; D11E128T

V. 24, **kW.** 4.7, **H.** 134.00, **Brush gear** w/o



137289 Field Coil

Replacing: 73315

Servicing: D11E118; -20; -58; -60

V. 12, **kW.** 2.6, **H.** 101.50, **Brush gear** w/o



137957 Field Coil

Servicing: D13E117TE; -8TE; -9TE; -20TE; -21TE; -22TE; -23TE

V. 24, **kW.** 8.8, **H.** 165.50, **Brush gear** w/o



138857 Field Coil

Replacing: 182594; 139169

V. 12, **kW.** 1.4/1.7, **H.** 60.15, **Brush gear** w/o

Yoke: Cargo 135392



139595 Field Coil

Replacing: 096628; 96628; 077417

Servicing: D11E135; -48; -56; -61; -84; -88

V. 12, **kW.** 2.5, **H.** 114.45, **Brush gear** w/o



230599 Field Coil

Replacing: 594195

Servicing: D13HP701; -2; -3; -5; -9

V. 24, **H.** 167.45, **Brush gear** w/o

7.7/8 kW



230691 Field Coil

Replacing: 076024; 76024n

Servicing: D11E109; -10; -42; -43; -59; -65; D11E79

H. 96.75, **Brush gear** w/o



230733 Field Coil

Replacing: 594221

Servicing: D13HP601; -5; -7; -8; -9; -13

V. 24, **H.** 145.00, **Brush gear** w/o

6.6/7.2 kW

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



233098 Field Coil

Replacing: 97390
Servicing: D11E167T; D11E202
V. 12, **kW.** 3.0, **H.** 102.80, **Brush gear** w/o



233853 Field Coil

Servicing: d7r28
V. 12, **kW.** 2.0/2.2, **H.** 65.40, **Brush gear** w/o

Magnets



138850 Magnet

L. 45.55, **H.** 8.00, **Pole type** Nord

Accessories

Pkg 10



135645 Pole Shoe Screw

Replacing: 2003429057; -60; 9001140194; 90117304; 182041; 2003429055; 2910960285
Servicing: 0001362008; -34; -35; -36; -38; -39; -41; -42; -45; -46; -48; -49; -50; -51; -52; -53; -57; -58; -5
Thread L. 11.00, **L.** 16.70, **Thread** M10

C.E. Brackets



230032 C.E. Bracket

Replacing: 594129; 139961
Servicing: d6ra12; -3; D6RA141; D6RA15; -7; -9; -21; -22; -23; -26; -27; -29; -30; -34; -38; -39; -40; -41; -4

Indclude: Brush set: PSX144-145k, Brush gear: Cargo 133647, Gasket: Cargo 134106



230214 C.E. Bracket

Servicing: d9r105



231351 C.E. Bracket

Servicing: D13E117TE; -23TE; D13HP703
I.D. 101
w/ springs and neg. brushes.



231354 C.E. Bracket



233914 Cover

Replacing: 73.726n; 73726n
Servicing: d11e122t
O.D. 116.35, **H.** 31.10



235187 C.E. Bracket

Servicing: d7e1; d7e15; -6; -8; -9; d7e2; d7e20; -2; -3; -6; -7; -9; -30; -31; d7e4; D7E40; -2; -7; d7e5; -6;

D.E. Brackets



230218 D.E. Bracket
Replacing: 96414
Servicing: D11E163; -9; -73; -76; -77; -87



231193 D.E. Bracket
Replacing: m641x89671; tm090a04301
Servicing: M3T42781; mc109032; MD162838



231238 D.E. Bracket
Replacing: 594579
Servicing: d6ra132; -62; -249; d6ra32; -62



231537 D.E. Bracket
Replacing: 594569
Servicing: d6ra133; d6ra33; -46; -56; -61; -72; -73



231817 D.E. Bracket



231849 D.E. Bracket
Replacing: 100234
Servicing: D9E68; -78; -79



233125 D.E. Bracket



233317 D.E. Bracket
Replacing: 594488
Servicing: d7r13; -8; -25; -35



233318 D.E. Bracket
Replacing: 594487
Servicing: d7r12; -20; -24; -26; -27; d7r8; D8R27



233801 D.E. Bracket
Servicing: d9r119; -49



233905 D.E. Bracket
Replacing: 99892; 099892
Servicing: D9E36; -54; -61; -62



234152 D.E. Bracket
Replacing: 594592
Servicing: d6ra83; D6RAD183

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



234172 D.E. Bracket

Servicing: 36100-23100; tm000a08401



234188 D.E. Bracket

Replacing: 594573

Servicing: d6ra45; -53



234390 D.E. Bracket

Replacing: 594501

Servicing: d7rs30



234391 D.E. Bracket

Replacing: 594502

Servicing: d7rs31



235133 D.E. Bracket

Replacing: 594510

Servicing: d7e19; -22; -27; d7e4; -6



235335 D.E. Bracket

Replacing: 594508

Servicing: d7e18; -28; d7e4; -8; d7ed28

Bearing Cargo: 141233



236805 D.E. Bracket

Replacing: 594597

Servicing: d6ra105; -15

I.M. Brackets



139139 I.M. Bracket

Servicing: d9r112; -21; d9r73; -84; -89; -90; -91; -99; d9rp256

Bushing: Cargo 140258. Needle bearing: Cargo 140375.



231720 I.M. Bracket

Replacing: 74657

Servicing: D11E117; -8; -9; D11E119T; D11E120; -6; -7; -9; D11E129T; D11E131; -7; -9; D11E139T; D11E141; -6; -

Solenoids



130997 Solenoid

Replacing: 070872; ced58; 182435

Servicing: D11E109; -10; -42; -43; -59; -65; d11e59

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133155



131000 Solenoid

Replacing: 072529; 076187; -228; -852; 300750; ced408; -12; -13; -15

Servicing: D8E114; -36; D8E71; -5; -82; -83; -84; -87; -88; -95

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131330



131009 Solenoid

Replacing: 1414; 606753; -893; 618695; 680559; -60; -66; 701412; -4; 8249; zm-560; ne355; -61

Servicing: 532026A; 6020E; 6020EF; 6020F; -35E; -35F; -81E; 6081EF; 6081F; -189A; -189B; -189C; -189D; -202B;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131321.



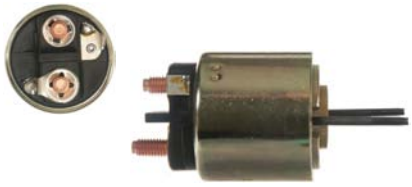
131071 Solenoid

Replacing: 073302; 094795; 095759; 182438; ced501; -10; -12; -39

Servicing: d10e47; -8; -54; -63; -64; -73; -80; -84; d11e118; -9; D11E119T; d11e120; -1; -6; -7; -9; d11e129t;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 134401



131171 Solenoid

Replacing: 102217; ced529; zm-595

Servicing: D9E38; -48; -49; -50; -51; -61; -62; -66

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 132033



131208 Solenoid

Replacing: 583159; 60111; 606916; -9; 618220; 680952; -5; 760111; 777265; 77265; 077265

Servicing: 6083B; -C; -D; -99C; 6099CD; 6099D; -127C; -180B; -232A; -233A

V. 12, **B+** M8, **Coil bolt** M8



131431 Solenoid

Replacing: 2120-37002; -3; 2120-47002; 2120-57002; 2120-67002; 2120-97001; 23343-31w00; 23343-37506; 23343-g700

Servicing: 23300-31W02; -7508; S12-19C; -38A; S12-61; -3; S12-63C; S12-68; S12-68B; -D; -77A; S12-78; -9; -82;

V. 12, **B+** M8

Cap: Cargo 134620. Moving contact: Cargo 139853.



131584 Solenoid

Replacing: 102849; 103489; -794; 105489; 182461; ced533; -8; -44; zm-597; 132023; 133124; ne138

Servicing: D10E88; D10E881; -2; D10E89; -90; -9e102; -9e127; d9e38; -48; -49; -50; -51; -53; -56; -57; -61; -6

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 132826 Moving contact: Cargo 132037



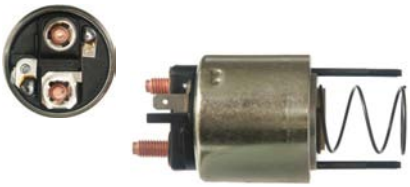
131798 Solenoid

Replacing: 077770; 092322; 094782; 095374; -823; 096053; 098065; -396; -800; 099217; -444; 100111; -87; 103783;

Servicing: D10E72; -4; -8E107; -8E112; -8E115; -8E117; -8E120; -8E121; -8E123; -8E129; -8E130; -8E131; -8E133;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131333



132024 Solenoid

Replacing: 181404; ced550; zm-1592

Servicing: D9E104; D9E40; -R90; -R96; -R97

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 132826



132025 Solenoid

Replacing: 181069; ced549; zm-1597; 594098; ced568; 594156

Servicing: D9R121; -2; -6; D9R91

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 132826

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



132268 Solenoid

Replacing: 5483624; 5526426; 096666; 098048; 102197; 182452; 300752; ced511; -4; ne129

Servicing: D11E163; -4; -9; -72; -73; -76; -77; -78; -84; -87; -272

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 134145



132623 Solenoid

Replacing: 096573; ced443; 182448; ne443

Servicing: d11e148; -61; -88; -92

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 131330



132966 Solenoid

Replacing: 099686; 182424

Servicing: D13E111; -6; D13E73; D13E73TE; D13E74; D13E74TE; d13e81; d13e81t; D13E84; -8; -95

V. 24, **B+** M10, **Coil bolt** M10

Cap: Cargo 138172 Contact: Cargo 138173



132967 Solenoid

Replacing: 099687; 182423; cED616; ced616te

Servicing: D13E100TE; -4TE; D13E105

V. 24, **B+** M10, **Coil bolt** M10

Cap: Cargo 138172 Contact: Cargo 138173



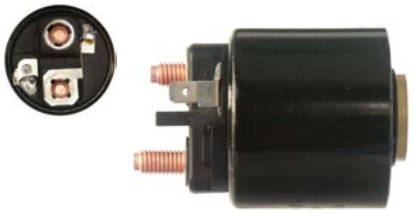
132968 Solenoid

Replacing: 101091; 181142; 182432; ced621; 132969

Servicing: D13E107TE; -9TE; -10TE; -17TE; -18TE; -23TE; d13e76; -7; d13e86te; -7te; -93te; -94te; -96te; -HP61

V. 24, **B+** M10, **Coil bolt** M10

Cap: Cargo 136005 Contact: Cargo 138174



132976 Solenoid

Replacing: 594113; -45; -78; -267; -273; -275; -319; -322; -370; zm-491; 594604; -045; -268; -269; -325; ced552

Servicing: D6RA10; -2; -3; -5; -20; D6RA210; D6RA39; -40; -42; -46; -49; d6ra5; D6RA56; -9; D6RA7; D6RA73; -6;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 132826



132977 Solenoid

Replacing: 594047; -87; -119; -189; zm-492; -599; 594188; -17; 182563; ced569; 132978; 135391; ne139

Servicing: d6ra107; -9; -62; D6RA17; -8; -9; -22; -23; D6RA249; D6RA27; -9; -32; -34; -44; -48; -50; -52; -54;

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 134402



133120 Solenoid

Replacing: 583331; 683487; 583618; -261; NE347

Servicing: 532025A; -B; -4032A; -4047A; -4051A; -4052A

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 132274.



133121 Solenoid

Replacing: 583330; 683427; 583486; NE346

Servicing: 534023A; -39A; -44A; -46A; -50A; -50B

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133771.



133122 Solenoid

Replacing: 583333; 683262; -457; ne348; 680958; 683456
Servicing: 534029A; -31A; -42A; -42B; -43A
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132035.



133123 Solenoid

Replacing: 583335; 683523; -2; NE350
Servicing: 534045A; -8A; -9A
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131172.



133128 Solenoid

Replacing: 099932; 182464; 594155; ced518; zm-1492; 594355; ne815
Servicing: d7e22; d7e4; -6; D9E36; -54; D9R119
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 134402



133143 Solenoid

Replacing: 100247; -427; ced519
Servicing: d11e172
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133155



133149 Solenoid

Replacing: 079476; ced426; 182441
Servicing: D8E108; -9; -14; -25; -26; -36; d8e71; -5; -82; -83; -87; -88; -95
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133376



133150 Solenoid

Replacing: 095699; ced438; 182188
Servicing: d10e59; -69; -8e132; -8e134; -8e157; -8e158; d9e11; -4; -8; -20; -41
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133375



133151 Solenoid

Replacing: 099378; 182457; ced517; zm-493
Servicing: D9E31; -2; -43; -44; -82; -83
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133156



133152 Solenoid

Replacing: 681928; -1
Servicing: 534003A; -B; -C
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133772.



133153 Solenoid

Replacing: 095365; ced436
Servicing: D8E154
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131332



133163 Solenoid

Replacing: 104604; 182459; ced540; zm-1594
Servicing: D9E137; -8; -237; -238; -276; D9E39; -52; -76; -77; d9e771
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132826



133165 Solenoid

Replacing: 681217
Servicing: 6223A; -44A; -45A
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133769.



133166 Solenoid

Replacing: 102190; 182463; ced528; zm-1596; 108458
Servicing: D9E278; D9E46; -68; -78; -79
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 134402

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



133169 Solenoid

Replacing: 076870; ced402; -6; ced41; ced416; -29; 182442; 053459
Servicing: D11E101; -44; D11E43; -57; -58; -62; -67; -69; -71; -73; -74; D11E74T; D11E75; -7; -8; -80; -84; -8
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131330



133178 Solenoid

Replacing: 583079; zm-561; 612459
Servicing: 6160D; -E; -F; -G; -9A; -9B; 6183; -203; -216; -220; -231
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 131323.



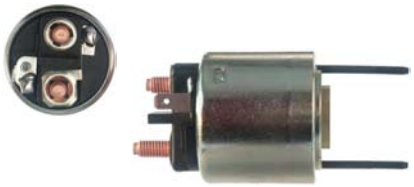
133289 Solenoid

Replacing: m371x60271; m371x74671; md607997; zm-1699; zm-2699; zm-4699; zm-696; -9; 36120-11140; MD618581; -613
Servicing: M0T70381; -481; M1T70481; -3; -5; -3381; -3383; M2T40081; -9881; -53083; M3T32592; -3; -41081; -410
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 134915.



133502 Solenoid

Replacing: 074764; ced502
Servicing: d10e47; -8; -54; -63; -64; D11E117; -8; -20; -29; D11E129T; D11E131; -58; -60
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133620



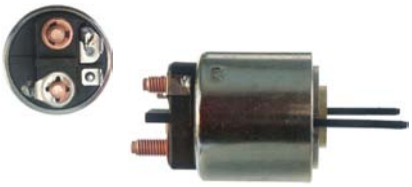
133532 Solenoid

Replacing: 104594; ced541; zm-592; ne159
Servicing: D9E78; -9
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132826



133533 Solenoid

Replacing: 106142; -3; 182460; 594053; ced546; -8; zm-594; CED537
Servicing: d10e85; -92; d10e921; -2; D9E113; -4; d9e39; -45; -52; D9E771; -2; -3; -6; -r112
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132826



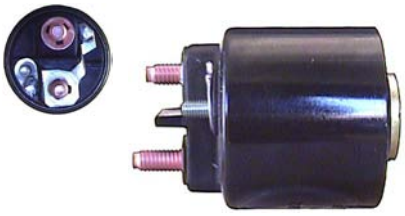
133534 Solenoid

Replacing: 105254; 182462; ced543; zm-593; ne134; -40
Servicing: d10e81; -7; -9e100; -9E200; -9E300; D9E81; -7; -95
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 133633



135292 Solenoid

Replacing: 046695; 182430; ced71
Servicing: D13E26; -8; -31; -32; -39; -41; -42; -48; -49; D13E49T; D13E50; -1; -2; D13E52T; D13E53; -7; -9; -6
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 138176 Contact: Cargo 138175



135390 Solenoid

Replacing: 594118; zm-490; 594426; -140; -365
Servicing: d6ra100; -572; d7r1; d7r11; -5; d7r151; d7r3
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132034



135820 Solenoid

Replacing: 594075; ced624
Servicing: D13E119TE; -20TE; -21TE; -22TE; D13HP702; -5; -9
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 233535



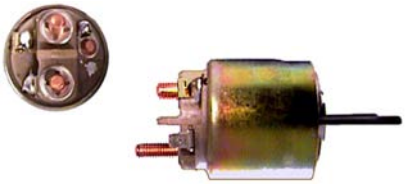
136255 Solenoid

Replacing: 594271; -80; -607; 90421722; zm-590; -1; 90421772; 182717; 594704
Servicing: 10455515; d6ra132; -68; d6ra17; -8; D6RA185; d6ra19; -22; -27; -29; -34; -40; -50; -52; -54; -60; -
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 136367



136669 Solenoid

Replacing: 077191; 182428; ced67
Servicing: D11E122; D11E122T
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 138172 Contact: Cargo 138173



137300 Solenoid

Replacing: 594054; zm-598
Servicing: D9R116; -44
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 232010



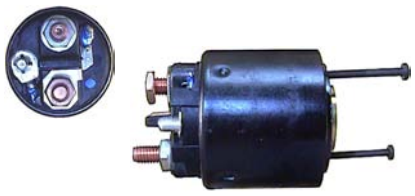
138641 Solenoid

Replacing: 182453; ced515
Servicing: D11E154; -5
V. 12, **B+** M8, **Coil bolt** M8



138945 Solenoid

Replacing: 594220
Servicing: D13HP605; -7; -8
V. 24, **B+** M10, **Coil bolt** M10
Cap: Cargo 233535



139476 Solenoid

Replacing: 594347; ced5033; zm-495; 594452; -21; -47
Servicing: d7e18; -29; -30; -31; D7E4; -8
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231368



230222 Solenoid

Replacing: 594138
Servicing: D6RA26; -30; -47
V. 12, **B+** M8, **Coil bolt** M8



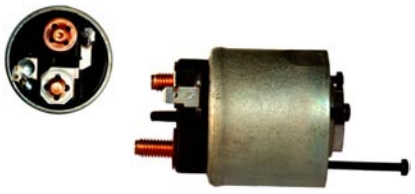
231163 Solenoid

Replacing: 594362
Servicing: D6RA81
V. 12, **B+** M8, **Coil bolt** 3



231610 Solenoid

Replacing: 594181; zm-497; 231669
Servicing: D6RA37; -50; -51; D6RA511; D6RA57; D6RA571
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231765



231718 Solenoid

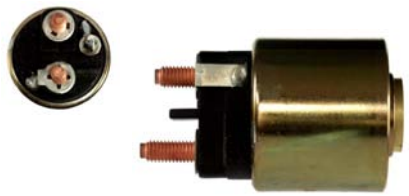
Replacing: 594208; 610318
Servicing: D6RA133; -41; D6RA33; -41; -45; -53; -63
V. 12, **B+** M8, **Coil bolt** M8



232011 Solenoid

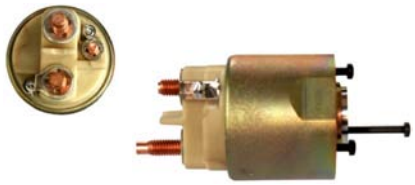
Replacing: 102295; ced530; 182458; zm-596; ne421
Servicing: D9E55
B+ M8, **Coil bolt** M8
Cap: Cargo 134402

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



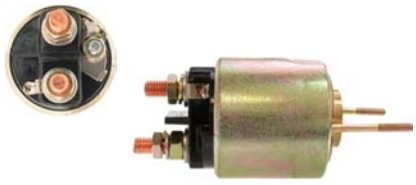
232012 Solenoid

Replacing: 594048; zm-496; 594183; ne898
Servicing: D6RA12; -6; d6ra161; D6RA38; -66; D6RA661; D6RA72; d6ra721; d6ra74
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231766



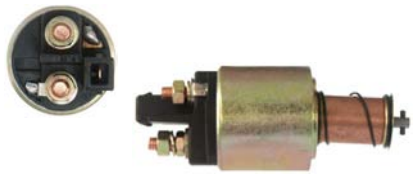
232041 Solenoid

Replacing: 594411; -638
Servicing: d6ra105; -15; D7R44; -7; -9
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 232204



233708 Solenoid

Replacing: 594266
Servicing: d9r149
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 136367



233795 Solenoid

Replacing: 594380; -413; -454
Servicing: D7ES2; -4; -5
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 233076



234089 Solenoid

Replacing: 594309
Servicing: D7E14; -r14; -r39
V. 12, **B+** M10, **Coil bolt** M8



234153 Solenoid

Replacing: 594401
Servicing: d6ra83
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 231268 Contact: Crgo 132037



234388 Solenoid

Replacing: 594391
Servicing: D7RS29; -30
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 233076. Moving contact: Cargo 132037



234389 Solenoid

Replacing: 594392
Servicing: d7rs31
V. 12, **B+** M8, **Coil bolt** M8



234579 Solenoid

Replacing: 594046; ced580
Servicing: d6ra21; d6ra6; d6ra61
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 132826



234778 Solenoid

Replacing: 594288
Servicing: D7E1
V. 12, **B+** M8, **Coil bolt** M8



234846 Solenoid

Replacing: 594463; 237571
Servicing: d7ed28
V. 12, **B+** M8, **Coil bolt** M8



234944 Solenoid

Replacing: 594449
Servicing: d6ra110
V. 12, **B+** M8, **Coil bolt** 3
Cap: Cargo 233501 Contact: Cargo 132037



234969 Solenoid

Replacing: 594407; zm-2491
Servicing: d7e15; -20
V. 12, **B+** M8, **Coil bolt** M8



235077 Solenoid

Servicing: 36100-42050; -7650; -A000; hq808670; mg122202; -433; TM000A18601; -23601
V. 12, **B+** M8x14.5, **Coil bolt** 3
Cap: Cargo 134626.



235106 Solenoid

Replacing: 594348
Servicing: d7e16; -23
V. 12



235150 Safety Switch

Servicing: M000A0301
V. 24



235151 Solenoid

Servicing: M000A0301
V. 24, **B+** M10, **Coil bolt** M10



235210 Solenoid

Servicing: TM000A27301; -37201
V. 12, **B+** M8, **Coil bolt** M8
Cap: Cargo 235384



235268 Solenoid

Replacing: 594474
Servicing: D7RS150; d7rs50
V. 12, **B+** M8, **Coil bolt** M8



235416 Solenoid

Replacing: zm-3491; 594431
Servicing: d7r48
V. 12



236269 Solenoid

Replacing: 594658
Servicing: D7G11
V. 12, **B+** M8



236406 Solenoid

Servicing: 96518887
V. 12



236626 Solenoid

Replacing: 236366; zm-1498; 236626
Servicing: D6GS11; -2; -3; -4; D7GS9
V. 12, **B+** M8, **Coil bolt** M8
Cap Cargo: 236627



236801 Solenoid

Servicing: D6G1; D6G32; -7e52
V. 12

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



236859 Solenoid

Replacing: 594461
Servicing: D6RAD183
V. 12, **B+** M8, **Coil bolt** M8

236975 Solenoid

Replacing: 594414
Servicing: D6RA137; -8; -87; -88; D6RA87
V. 12



236980 Solenoid

Servicing: TM000A31201
V. 12, **B+** M8, **Coil bolt** M8

237444 Solenoid

Replacing: 594444
Servicing: d6ra91
V. 12

Solenoid Parts

Solenoid Caps



131330 Solenoid Cap

Servicing: CED401; -3; -4; -7; -8; -9; ced41; CED410; -3; -4; -5; CED42; ced443
O.D. 52.15, **No. of leads** 3



131332 Solenoid Cap

Servicing: 076870; 182442; ced402; -6; -16; -36; -44
O.D. 52.10, **No. of leads** 4



131333 Solenoid Cap

Servicing: 102217; ced437; -46; -48; -54; -58; -60; -68; -529
O.D. 52.00, **No. of leads** 3

Pkg 5



132033 Solenoid Cap

Replacing: zm-59591; 132033
Servicing: 594047; -8; -119; -288
O.D. 51.60, **No. of leads** 3, **Bracket type** Crimp
For solinoid: Cargo 131171

Pkg 5



132034 Solenoid Cap

Replacing: zm-49091; 132034
Servicing: 101062; CED521
O.D. 51.35, **No. of leads** 3, **Bracket type** Crimp
For solinoid: Cargo 135390

Pkg 5



132826 Solenoid Cap

Replacing: zm-59791; 134348; 132826
Servicing: 104604; -5489; -6142; -6143; CED537; -44; -48; -50
O.D. 51.35, **No. of leads** 3, **Bracket type** Crimp



133155 Solenoid Cap

Servicing: CED5; CED506; CED53; -8

O.D. 60.00, **No. of leads** 3



133156 Solenoid Cap

Replacing: zm-49391; 133156

Servicing: 99378

O.D. 51.50, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



133287 Solenoid Cap

Replacing: zm-69096; -796; 231984; 139603; 133287

Servicing: M1T74081; -7; M2T30481; -41581; -42381; m371x00171; -3; -16171; -45471; -52471; -58871; -60171; -68

O.D. 49.45, **No. of leads** 3, **Bracket type** Crimp

w/ gasket.



133376 Solenoid Cap

Servicing: CED4; ced412; -20; -22; -26; -29; CED43; -4; -7; -8; -9

O.D. 52.45, **No. of leads** 3



133620 Solenoid Cap

Servicing: 74764; ced502; -4; -10; -12

O.D. 60.65, **No. of leads** 3



133633 Solenoid Cap

Replacing: zm-59391; 133535; -633

Servicing: 105254; -82462; ced543

O.D. 51.80, **No. of leads** 4, **Bracket type** Crimp



134145 Solenoid Cap

Servicing: 096666; -8048; 182452; ced511

O.D. 59.65, **No. of leads** 4



134401 Solenoid Cap

Servicing: 073302; ced501; -39

O.D. 60.60, **No. of leads** 3

w/ gasket.



134402 Solenoid Cap

Replacing: zm-159691; zm-49291; zm-59691; -991; 134402

Servicing: 102295; -82458; -82464; ced530; D7G11

O.D. 51.90, **No. of leads** 3, **Bracket type** Crimp

w/ gasket.



134626 Solenoid Cap

Replacing: zm-68396; 134626

Servicing: M2T56185; -66873; -67884; m372x00371; M3T54072; MG232415

O.D. 53.55, **No. of leads** 3, **Bracket type** Crimp

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



134915 Solenoid Cap

Replacing: zm-69696; 134915
Servicing: m371x60271
O.D. 49.25, **No. of leads** 4, **Bracket type** Crimp



136005 Solenoid Cap

Replacing: 132148; 182148
Servicing: 101091; 10455309; 182142; -432; D13E107TE; -9TE; -10TE; D13E76; -7; D13E86TE; -7TE; -93TE; -94TE; -
O.D. 70.25, **No. of leads** 3
Contact plate: Cargo 138174

Pkg 5



136367 Solenoid Cap

Replacing: zm-59091; -191; 139438; 136367
Servicing: 594087; D6RA65
O.D. 51.85, **No. of leads** 3, **Bracket type** Crimp



138172 Solenoid Cap

Servicing: 182428
O.D. 69.65, **No. of leads** 3
Contact plate: Cargo 138173



138176 Solenoid Cap

Servicing: 182152; D15E29; D15E29TE; D15E30; D15E30TE
O.D. 74.80, **No. of leads** 3
Contact plate: Cargo 138175



139647 Solenoid Cap

Servicing: D13E100TE; -1TE; -4TE; D13E105; D13E108TE; D13E111; -6; D13E73; D13E73TE; D13E74; D13E74TE; D13E81;
O.D. 69.80, **No. of leads** 3
Contact plate: Cargo 138173

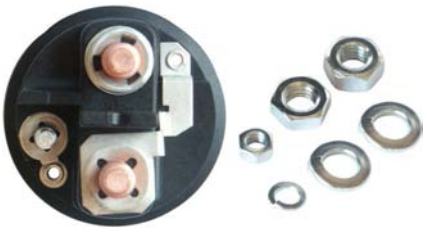
Pkg 5



231268 Solenoid Cap

Replacing: zm-49591; 231268
Servicing: 594347
O.D. 51.75, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



231765 Solenoid Cap

Replacing: zm-49791; res13861; 231765
Servicing: 594181
O.D. 51.50, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



231766 Solenoid Cap

Replacing: zm-49691; 231766
Servicing: 594183
O.D. 51.50, **No. of leads** 3, **Bracket type** Crimp



232010 Solenoid Cap

Replacing: zm-59891; 232010
Servicing: 594054
O.D. 51.55, **No. of leads** 4, **Bracket type** Crimp



233076 Solenoid Cap

O.D. 52.00, **No. of leads** 3



233481 Solenoid Cap

Replacing: 594297
Servicing: d13hp601
O.D. 70.00, **No. of leads** 4



233535 Solenoid Cap

Replacing: 594292
Servicing: d13hp607; -8; -709
O.D. 70,02, **No. of leads** 2



234285 Solenoid Cap

Replacing: 74883371
O.D. 49.65, **No. of leads** 3



235020 Solenoid Cap

Servicing: 594438
O.D. 51.60, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



235384 Solenoid Cap

Replacing: zm-96096; 235384
Servicing: TM000A27301; -37201
O.D. 47.16, **No. of leads** 3, **Bracket type** Crimp

Pkg 5



236240 Solenoid Cap

Servicing: D7G4
O.D. 52.23, **No. of leads** 4, **Bracket type** Crimp

Pkg 5



236627 Solenoid Cap

Servicing: D7GS10; D7GS8
O.D. 51.85, **No. of leads** 3

Pkg 5



236802 Solenoid Cap

Servicing: D6G1; d7e52; -g6g32
O.D. 52.00, **No. of leads** 2

Moving Contacts

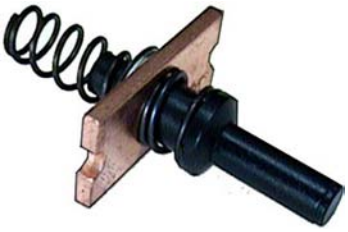
Pkg 5



132037 Moving Contact

Servicing: 103794; -4594; -4694; ced538; -41; -46; D7G11; -R17; -R19
Th. 2.45, **Shaft** 29.25, **Material** Steel
Assort. 803036

Pkg 5



132124 Moving Contact

Servicing: 099378; -932; 102190; -849; -4327; ced517; -8; -28; -33; -40
L. 28.30, **Th.** 2.50, **W.** 14.00, **Shaft** 27.80, **Material** Copper
Assort. 803036

Pkg 5



132145 Moving Contact

Servicing: ced417; -8; -21; -23; -27; -28; -34; -35; -38; -39; -41; -42
L. 28.30, **Th.** 2.30, **W.** 14.00, **Shaft** 39.15, **Material** Copper
Assort. 803036

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



132146 Moving Contact

Servicing: ced514; -9

L. 33.30, **Th.** 2.55, **W.** 15.00, **Shaft** 33.70, **Material** Copper
Assort. 803036

Pkg 5



133275 Moving Contact

Servicing: M1T70781; -982; -1382; M1T72483ZC; M3T30581; M3T30581J; M3T32381; -589; -985; -986; -988; -3981; -8

L. 30.05, **Th.** 2.60, **W.** 16.00/11.00, **Shaft** 26.00, **Material** Copper
Assort. 803036

Pkg 10



233862 Moving Contact

Servicing: d9r122; -42

L. 33.30, **Th.** 2.35, **W.** 14.00, **Shaft** 27.45, **Material** Copper

Fixed Contacts

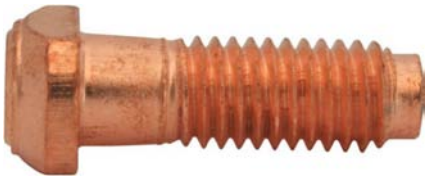
Pkg 10



134152 Fixed Contact

Collar L. 42.00, **L.** 47.65, **Thread** M8
Assort. 803036

Pkg 10



134153 Fixed Contact

Collar L. 23.50, **L.** 28.50, **Thread** M8
Assort. 803036

Pkg 10



134154 Fixed Contact

Collar L. 32.00, **L.** 37.50, **Thread** M8
Assort. 803036

Various

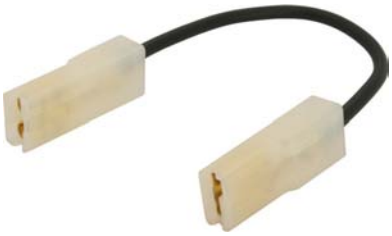
Pkg 10



133388 Adaptor

Servicing: M3T19871; -39881
Thread M8

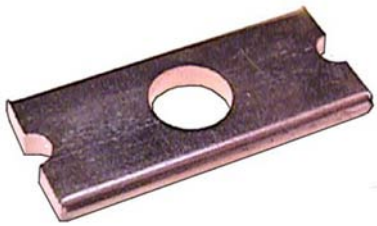
Pkg 10



134140 Connector

Old type.
Assort. 802001

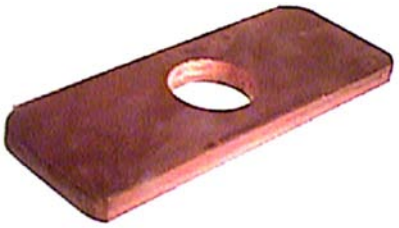
Pkg 5



135363 Moving Contact

L. 33.35, **Th.** 3.00, **W.** 15.00, **Material** Copper
Assort. 803036

Pkg 5



138173 Moving Contact

Servicing: 136669; ced601; -15; -16; -21; ced67

L. 46.30, **Th.** 3.00, **W.** 18.00

Pkg 5



138174 Moving Contact

Servicing: 182148

L. 46.40, **Th.** 5.00, **W.** 18.00



138175 Moving Contact

Servicing: 046695; 182430; ced71

L. 51.90, **Th.** 5.00, **W.** 25.20

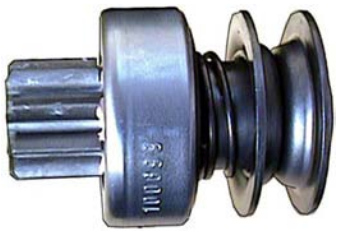
Pkg 5



138601 Gasket

Th. 2.45, **Material** Rubber

Drives



130432 Drive

Replacing: 605028; -55; 612355; 680663; 682150; 076651; 078862; 092079; 093297; 096118; 1.01.0189.0

Servicing: 532005A; -7A; -20A; -20B; -26A; -3000A; -3002A; -3003A; -3004A; -4003A; -4003B; -4003C; -4004A; -40

O.D. 25.25, **I.D.** 12.00, **L.** 68.05, **No. of teeth** 9, **Splines** 9, **Rotation** CR, **Drive type** Steel



130434 Drive

Replacing: 18678; 19567; 606416; 609477; 611736; 681380; 79692; 079692; 1.01.0244.0; 130431

Servicing: 532000A; -B; -1A; -1B; -17A; 6183B; -C; -F; -G; -7C; -7E; -7F; -224B; -224C; -224D; -227A; -227B; -

O.D. 25.30, **I.D.** 12.00, **L.** 61.70, **No. of teeth** 9, **Splines** 9, **Rotation** CR, **Drive type** Steel



130456 Drive

Replacing: 055105; 070672; 1.01.0217.0

Servicing: D11E105; -9; -10; -15; -42; -43; D11E79

O.D. 29.00, **I.D.** 14.00, **L.** 76.15, **No. of teeth** 9, **Splines** 6, **Rotation** CR, **Drive type** Steel



130461 Drive

Replacing: 059058; 073684; 075162; -5; 078265; 092179; 093509; -670; 096859; 097298; 1.01.0247.0; ne185; -485;

Servicing: D10E43; -8; -54; -57; -63; -64; -65; -76; -80; -8E104; -8E118; -8E122; -8E124; D8E43; -8; -9; -59;

O.D. 25.30, **I.D.** 12.00, **L.** 69.00, **No. of teeth** 9, **Splines** 9, **Rotation** CR, **Drive type** Steel



130462 Drive

Replacing: 077991; 1.01.0405.0

Servicing: D8E103; -63

O.D. 25.25, **I.D.** 12.00, **L.** 86.65, **No. of teeth** 9, **Splines** 12, **Rotation** ACR, **Drive type** Steel



130463 Drive

Replacing: 077776; 078861; 079011; 092181; -448; 093321; 1.01.0249.0; 095381

Servicing: D8E107; -15; -17; -29; -33; -34; -37; -39; -47; -51; d8e54; -9E11; -9E18; -9E19; -9E27; -9E28; D9E7

O.D. 25.30, **I.D.** 12.00, **L.** 66.40, **No. of teeth** 9, **Splines** 12, **Rotation** CR, **Drive type** Steel



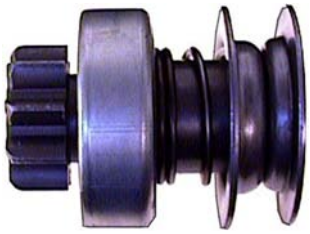
130757 Drive

Replacing: 075679; 1.01.0295.0; 053770; ne160

Servicing: D11E126; D11E61; -93

O.D. 36.10, **I.D.** 14.00, **L.** 75.75, **No. of teeth** 9, **Splines** 6, **Rotation** CR, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



130758 Drive

Replacing: 77171
Servicing: D8E110; -6; D8E99
O.D. 29.00, **I.D.** 12.00, **L.** 59.00,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel



130759 Drive

Replacing: 076980; 093623; 097062; 1.01.0248.0
Servicing: d8e121; -42; -52; d8e81; -9E12; -9E20; -9E22; -9E26; -9E34; -9E35; -9E37; -9E41
O.D. 25.25, **I.D.** 12.00, **L.** 59.45,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



130760 Drive

Replacing: 095464; 1.01.0285.0
Servicing: D8E130; -1
O.D. 25.25, **I.D.** 12.00, **L.** 60.10,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel



130761 Drive

Replacing: 095956; -8; 1.01.0216.0
Servicing: D11E156; -61; -80
O.D. 36.00, **I.D.** 14.00, **L.** 77.55,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



130762 Drive

Replacing: 095990; 1.01.0215.0
Servicing: D11E159; -65
O.D. 29.20, **I.D.** 14.00, **L.** 76.00,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



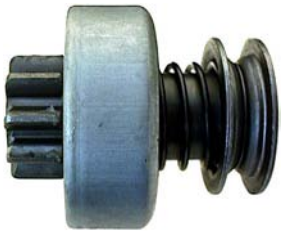
130947 Drive

Replacing: 098639; -829; 1.01.0284.0
Servicing: D8E155
O.D. 25.40, **I.D.** 12.00, **L.** 86.85,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



130948 Drive

Replacing: 098896; 106009; 1.01.0288.0
Servicing: d9e31; -2; -40; -45; -53; -64; -75; -82; -87; -95
O.D. 25.30, **I.D.** 12.00, **L.** 69.20,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



131068 Drive

Replacing: 95442
Servicing: D11E153; D11E153T
O.D. 36.25, **I.D.** 14.00, **L.** 75.80,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



131111 Drive

Replacing: 099931; 1.01.0287.0; -1
Servicing: D9E100; -1; -9; -10; -13; -14; -23; -24; -25; -27; -29; -36; -37; -38; -200; -237; -238; -276; -278
O.D. 28.00, **I.D.** 12.60, **L.** 60.60,
No. of teeth 8, **Splines** 8, **Rotation** CR,
Drive type Steel



131117 Drive

Replacing: 096507; 097843; 1.01.0431.0
Servicing: D11E163; -9; -76; -77
O.D. 29.23, **I.D.** 12.00, **L.** 84.00,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



131170 Drive

Replacing: 099738; 1.01.0571.0
Servicing: D11E172
O.D. 27.75, **I.D.** 12.00, **L.** 61.60,
No. of teeth 10, **Splines** 9, **Rotation** CR,
Drive type Steel



131173 Drive

Replacing: 079801; 093304; -511; 095304
Servicing: D8E112; -20; -23; -44; -58
O.D. 25.30, **I.D.** 12.00, **L.** 66.50,
No. of teeth 9, **Splines** 12, **Rotation** ACR,
Drive type Steel



131186 Drive

Replacing: 98555
Servicing: D10E72
O.D. 25.35, **I.D.** 12.00, **L.** 71.00,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel



131187 Drive

Replacing: 095609; 1.01.0338.0
Servicing: D9E16; -21
O.D. 25.50, **I.D.** 12.10, **L.** 83.70,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



131188 Drive

Replacing: 17946; 606415; 611734; 075593; 078863; 092081; 093625; 096119; 1.01.0246.0
Servicing: 532011A; -3001A; 6155G; -H; -J; -K; -L; -61H; D8E136; D8E78; -88; -95
O.D. 25.30, **I.D.** 12.00, **L.** 67.80,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel



131343 Drive

Replacing: 059390; 589173; ne155
Servicing: D15E14; -5; -6; -9; -21; -22; -23; -24; D15E24T; D15E27; D15E27T; D15E28; D15E28T; D15E29; D15E29T;
O.D. 46.80, **I.D.** 20.00, **L.** 151.70,
No. of teeth 12, **Splines** 6, **Rotation** CR,
Drive type Steel



131717 Drive

Replacing: 070624; 076609; 092180; -799; 093510; 097299; -799; 1.01.0399.0
Servicing: d8e106; -13; -19; D8E50; -94; -97
O.D. 25.10, **I.D.** 12.05, **L.** 69.15,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel



131718 Drive

Replacing: 094698; 096555; ced448; 1.01.0281.0
Servicing: D10E59; -69; -8E132; D9E14; -5; -8; -9
O.D. 25.55, **I.D.** 12.00, **L.** 67.67,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



131782 Drive

Replacing: 079804; 092078; 093621; -49
Servicing: d8e109; -26; D8E75; -82
O.D. 24.85, **I.D.** 12.10, **L.** 61.85,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



131999 Drive

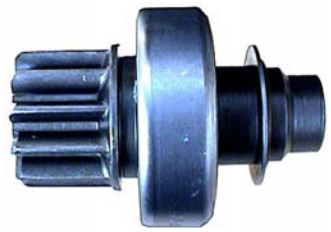
Replacing: 105538; 1.01.0656.0; 182047; 594245; 185182; ne209; -883
Servicing: d9r134; d9r73
O.D. 31.80, **I.D.** 12.00, **L.** 61.50,
No. of teeth 12, **Splines** 9, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



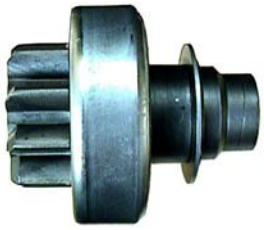
132020 Drive

Replacing: 105540; 1.01.0646.0
Servicing: d9r84
O.D. 27.75, **I.D.** 12.00, **L.** 61.50,
No. of teeth 10, **Splines** 9, **Rotation** CR,
Drive type Steel



132021 Drive

Replacing: 180826; 181277; 1.01.0647.0
Servicing: d9r90
O.D. 33.90, **I.D.** 12.00, **L.** 76.25,
No. of teeth 11, **Splines** 9, **Rotation** CR,
Drive type Steel



132022 Drive

Replacing: 181068; 1.01.0657.0; 594040
Servicing: D9R105; D9R1050; d9r121; d9r91
O.D. 37.10, **I.D.** 12.00, **L.** 61.50,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel
Gear shaft: Cargo 133336.



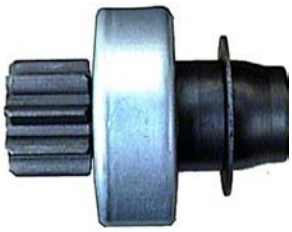
132150 Drive

Replacing: 100096
Servicing: D11E173; -84; -87
O.D. 29.00, **I.D.** 12.15, **L.** 80.15,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel



132175 Drive

Replacing: 101292
Servicing: D9E131; -2; D9E43; -4; -83
O.D. 25.00, **I.D.** 12.00, **L.** 64.85,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



132176 Drive

Replacing: 102846
Servicing: D9E57; -98
O.D. 25.15, **I.D.** 12.00, **L.** 61.00,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel



132177 Drive

Replacing: 103611; 1.01.0570.0
Servicing: D10E85; -92; D10E922
O.D. 29.00, **I.D.** 12.00, **L.** 59.00,
No. of teeth 11, **Splines** 9, **Rotation** CR,
Drive type Steel



132178 Drive

Replacing: 103624; 1.01.0530.0
Servicing: D11E184; -8
O.D. 27.75, **I.D.** 11.65, **L.** 76.10,
No. of teeth 10, **Splines** 12, **Rotation** CR,
Drive type Steel



132181 Drive

Replacing: 583277; -89; -336; 106140; 1.01.0574.0
Servicing: 534023; 534023A; 534029; 534029A; 534031; 534031A; 534032; 534032A; -9A; -42A; -42B; -43A; -44A; -4
O.D. 25.30, **I.D.** 12.00, **L.** 52.85,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel
w/ lever.



132190 Drive

Replacing: 98098
Servicing: D10E66; -74
O.D. 25.15, **I.D.** 12.20, **L.** 64.40,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



132191 Drive

Replacing: 98437
Servicing: D8E148
O.D. 28.90, **I.D.** 12.00, **L.** 61.00,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel



132192 Drive

Replacing: 99218
Servicing: D8E153; -7
O.D. 25.20, **I.D.** 12.00, **L.** 61.45,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



132198 Drive

Replacing: 097614; 1.01.0289.0
Servicing: D8E154
O.D. 27.00, **I.D.** 12.00, **L.** 60.20,
No. of teeth 10, **Splines** 9, **Rotation** ACR,
Drive type Steel



132200 Drive

Replacing: 105325; -32; 1.01.0692.0; 1.01.0461.0
Servicing: D11E191; -2
O.D. 27.50, **I.D.** 12.00, **L.** 78.60,
No. of teeth 10, **Splines** 9, **Rotation** CR,
Drive type Steel



132206 Drive

Replacing: 104927
Servicing: D10E87; -8; D10E881; -2; D10E89; -90
O.D. 25.00, **I.D.** 12.00, **L.** 59.20,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



132703 Drive

Replacing: 96761
Servicing: D11E164
O.D. 29.00, **I.D.** 11.90, **L.** 87.15,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel



132899 Drive

Replacing: 75379
Servicing: D11E120; -31
O.D. 34.00, **I.D.** 14.00, **L.** 76.00,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel



132961 Drive

Replacing: 097147; ne672; 076576; 589123
Servicing: D13E116; D13E81; D13E81T; D13E83; D13E90TE
O.D. 38.30, **I.D.** 16.00, **L.** 163.00,
No. of teeth 10, **Splines** 6, **Drive type** Steel



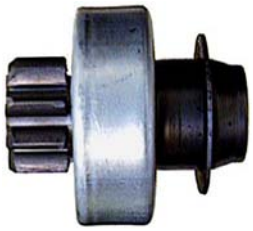
132962 Drive

Replacing: 101598; ne515; 079333; 092718; 094635; 589074; ne195; -575; 3a4900
Servicing: D13E107TE; -9TE; D13E10TE; D13E110TE; D13E77; D13E86TE; -7TE; -94TE; -96TE
O.D. 65.20, **I.D.** 16.20, **L.** 150.30,
No. of teeth 12, **Splines** 6, **Rotation** CR,
Drive type Steel
For wet clutch.



132964 Drive

Replacing: 094202; 589077; ne169
Servicing: 1100003; D13E105; -11; D13E95
O.D. 46.65, **I.D.** 16.70, **L.** 122.45,
No. of teeth 12, **Splines** 6, **Rotation** Clockwise, **Drive type** Steel



132974 Drive

Replacing: 184448; 1.01.0775.0; 594031; -29; 132973; ne778; -84
Servicing: d6ra10; -2; -6; -8; -20; -23; -26; -37; -38; -41; -45; -46; d6ra5; d6ra51; -7; d6ra6; d6ra64; -6; -
O.D. 25.80, **I.D.** 12.00, **L.** 51.00,
No. of teeth 9, **Splines** 9, **Drive type** Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



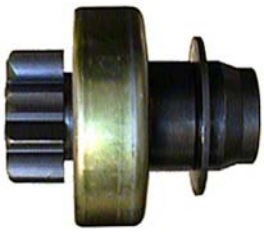
132975 Drive

Replacing: 594032
Servicing: D6RA13
O.D. 29.30, **I.D.** 12.00, **L.** 51.00,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



133112 Drive

Replacing: 331435; 583305; ne461
Servicing: 534045A; -9A
O.D. 25.15, **I.D.** 12.00, **L.** 64.20,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel
w/ lever.



133233 Drive

Replacing: 180754; ne207
Servicing: D9E93
O.D. 28.80, **I.D.** 12.00, **L.** 54.80,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel



133336 Drive/Shaft Assy

Replacing: 182178; ne212
Servicing: D9R91
L. Steel, **Splines** 9, **Rotation** CR
Drive: Cargo132022.



133442 Drive

Replacing: 059305; 093079; 097338; 589053; ne187; 588799
Servicing: d11e103; -14; -22; d11e122t; d11e128; d11e128t; d11e130; -8; d11e138t; d11e81; d11e81t; d11e88; -9;
O.D. 40.00, **I.D.** 16.95, **L.** 102.35,
No. of teeth 10, **Splines** 6, **Drive type** Bronze



133712 Drive

Replacing: 028300-4390; 028300-5850; 074515; 1.01.0576.0
Servicing: 028000-9900; -1; 128000-0600; -2860; -2861; 228000-3380; -4201
O.D. 27.25, **I.D.** 12.55, **L.** 60.15,
No. of teeth 8, **Splines** 10, **Rotation** CR,
Drive type Steel



133897 Drive

Replacing: 180827; 186456; ne776; 1.01.0936.0; 182176; 184530; 1.01.0961.0; 594042
Servicing: d9r112; -8; -9; -22; -35; -49; d9r89; -99
O.D. 29.60, **I.D.** 12.00, **L.** 61.50,
No. of teeth 11, **Splines** 9, **Drive type** Steel



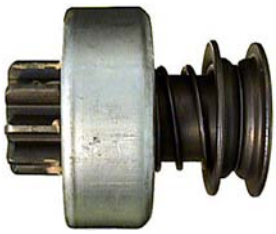
134139 Drive

Replacing: 74748
Servicing: D10E47; -73
O.D. 29.00, **I.D.** 12.00, **L.** 69.15,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel



134292 Drive

Servicing: D9R97
O.D. 33.80, **I.D.** 11.75, **L.** 76.40,
No. of teeth 11, **Splines** 9, **Rotation** ACR,
Drive type Steel
O.E. w/ gear shaft: Cargo 139288.



134615 Drive

Replacing: 95976
Servicing: D11E158
O.D. 34.15, **I.D.** 14.10, **L.** 75.90,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



134645 Drive

Replacing: 99623
Servicing: D10E75; -81; -83
O.D. 25.60, **I.D.** 12.00, **L.** 71.80,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



135083 Drive

Replacing: 186020; 1.01.0747.0; 185441; 594108; ne830

Servicing: d6ra32; -3; -9; -48; -49; -56; -59; -61

O.D. 27.90, **I.D.** 12.00, **L.** 51.50,
No. of teeth 10, **Splines** 9, **Rotation** CR,
Drive type Steel



135084 Drive

Replacing: 594136; -368; 185290; 1.01.1074.0; 188256; ne831

Servicing: D7R1; D7R11; -5; D7R151; D7R2; D7R24; D7R3; d7r33; D7R4

O.D. 27.65, **I.D.** 12.00, **L.** 54.50,
No. of teeth 10, **Splines** 9, **Rotation** CR,
Drive type Steel

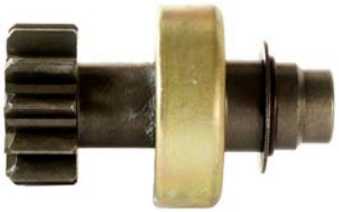


135085 Drive

Replacing: 1006209585; -916; 1.01.0799.0; 594163

Servicing: 0001107007; -8; -20; -21; -52; -53; 9000694029; B001110054; -99; D6RA46

O.D. 25.80, **I.D.** 11.75, **L.** 56.00,
No. of teeth 9, **Splines** 10, **Rotation** ACR,
Drive type Steel



135282 Drive

Servicing: d9r116; -44

O.D. 42.00, **I.D.** 12.00, **L.** 83.85,
No. of teeth 11, **Splines** 9, **Rotation** CR,
Drive type Steel
Gear shaft: Cargo 230963.



135389 Drive

Replacing: 584185; 185915; 549185; 1.01.1023.0; 594185

Servicing: D7R12; -3; -6; -8; -9; -20; -25; -26; -27; -28; -35; -40; -43; -44; -47; -48; -49; D7R5; -7; -8; -9

O.D. 30.00, **I.D.** 12.00, **L.** 55.00,
No. of teeth 11, **Splines** 9, **Rotation** CR,
Drive type Steel

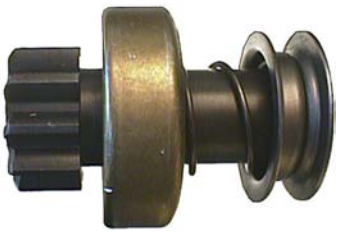


135647 Drive

Replacing: 186867; -938; 1.01.0787.0; 594214

Servicing: D6RA137; -8; -41; -61; -65; -85; -87; -88; -511; D6RA53; d6ra571; -2; D6RA63; -5; d6ra661; -721; d6

O.D. 25.00, **I.D.** 12.00, **L.** 51.15,
No. of teeth 9, **Splines** 5, **Rotation** CR,
Drive type Steel

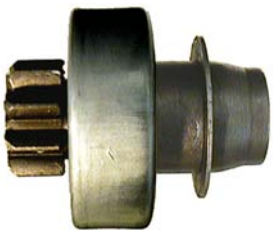


136426 Drive

Replacing: 074658; 056328; ne483; -4

Servicing: D11E117; -9; D11E119T; D11E121; -9; D11E129T; D11E137; -41; d11e92; d11e92t

O.D. 39.35, **I.D.** 16.00, **L.** 83.30,
No. of teeth 10, **Splines** 6, **Rotation** CR,
Drive type Steel



136619 Drive

Servicing: D9E92

O.D. 25.15, **I.D.** 12.15, **L.** 54.90,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel



136642 Drive

Replacing: 097394; 099394; 1.01.0558.0

Servicing: D11E167T; D11E202

O.D. 35.35, **I.D.** 13.60, **L.** 83.70,
No. of teeth 9, **Splines** 12, **Rotation** CR,
Drive type Steel



137271 Drive

Replacing: 101910

Servicing: D9E51

O.D. 40.20, **I.D.** 11.65, **L.** 70.00,
No. of teeth 13, **Splines** 9, **Rotation** ACR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



137455 Drive

Replacing: 594086
Servicing: D6RA22; -52
O.D. 29.45, **I.D.** 12.00, **L.** 50.90,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



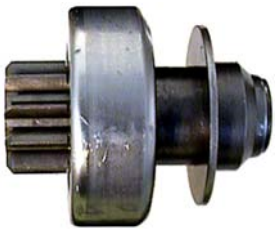
137733 Drive

Replacing: 186798; 1.01.0833.1; 594177; -252
Servicing: D6RA133; -62; -249; D6RA56; -62; -73; -82; -83; D6RAD183
O.D. 27.70, **I.D.** 12.00, **L.** 51.50,
No. of teeth 10, **Splines** 5, **Rotation** CR,
Drive type Steel



138113 Drive

Replacing: 187077; 594247
Servicing: d6ra76; -7; -8; -9
O.D. 28, **I.D.** 12.10, **L.** 51.60, **No. of teeth** 8, **Splines** 5, **Rotation** CR, **Drive type** Steel



138208 Drive

Replacing: 180719; 1.01.0628.0
Servicing: D11E272
O.D. 27.70, **I.D.** 12.00, **L.** 66.20,
No. of teeth 10, **Splines** 9, **Rotation** CR,
Drive type Steel



138408 Drive

Replacing: 594106; 184671
Servicing: D6RA11; -40
O.D. 25.40, **I.D.** 12.00, **L.** 65.70,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



139153 Drive

Replacing: 594030; -3
Servicing: D6RA15; D6RA7
O.D. 25.20, **I.D.** 12.00, **L.** 56.65,
No. of teeth 9, **Splines** 9, **Rotation** CR,
Drive type Steel



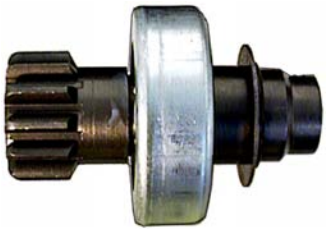
139288 Drive/Shaft Assy

Replacing: 594039
Servicing: d9r97
L. 138.65, **Splines** 8, **Rotation** ACR
Drive: Cargo134292.



139318 Drive

Replacing: 184795; 594034
Servicing: d6ra17; -9; -27; -29; -34; -50; -54; -60
O.D. 29.50, **I.D.** 12.00, **L.** 66.15,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel



139319 Drive

Servicing: d9r96
O.D. 31.30, **I.D.** 11.65, **L.** 76.65,
No. of teeth 12, **Splines** 9, **Rotation** CR,
Drive type Steel



139320 Drive

Replacing: 187428; 1.01.1152.0
Servicing: d7e2
O.D. 25.00, **I.D.** 11.00, **L.** 43.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



139473 Drive

Replacing: 1.01.0965.0; 594287; 193512; 594726; 6029
Servicing: D7E1; d7e16; -23; -26; -52
O.D. 25.30, **I.D.** 11.00, **L.** 40.90,
No. of teeth 9, **Splines** 5, **Rotation** CR,
Drive type Steel



139477 Drive

Replacing: 1.01.0843.0; 182848; 187788; ne971; 594345
Servicing: d7e15; -8; d7e4; -6; -8; d7ed28
O.D. 23.70, **I.D.** 11.00, **L.** 43.85,
No. of teeth 8, **Splines** 5, **Rotation** CR,
Drive type Steel



139478 Drive

Replacing: 594279; 059427; 187528; 1.01.1458.0
Servicing: D7R19; -27; -28
O.D. 29.00, **I.D.** 12.00, **L.** 54.00,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



139898 Drive

Servicing: D9E108
O.D. 26.55, **I.D.** 12.20, **L.** 55.30,
No. of teeth 10, **Splines** 9, **Rotation** CR,
Drive type Steel



139904 Drive

Replacing: 180755; 594111
Servicing: d6ra44; d9e94
O.D. 26.75, **I.D.** 12.00, **L.** 51.30,
No. of teeth 10, **Splines** 9, **Rotation** ACR,
Drive type Steel



139905 Drive

Replacing: 186321; 594251; 1.01.1162.0
Servicing: d9r142
O.D. 31.30, **I.D.** 12.00, **L.** 61.45,
No. of teeth 10, **Splines** 9, **Rotation** CR,
Drive type Steel



230253 Drive/Shaft Assy

Replacing: 182052; ne210
Servicing: D9R121; D9R84
O.D. 68.80, **L.** 129.30, **No. of teeth** 10,
Splines 9
Drive: Cargo132020.



230353 Drive

Replacing: 187567; ne957; 594303
Servicing: D7R17; -42
O.D. 27.85, **I.D.** 12.00, **L.** 54.85,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



230354 Drive

Replacing: 187983; 594324; ne966
Servicing: d7r22; -3
O.D. 31.85, **I.D.** 12.00, **L.** 54.75,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



230355 Drive

Replacing: ne790; -870; 594109; 185743
Servicing: d6ra42
O.D. 25.00, **I.D.** 12.15, **L.** 51.20,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel



230573 Drive

Servicing: d7e5
O.D. 25.00, **I.D.** 11.00, **L.** 41.00,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



230963 Drive/Shaft Assy

Replacing: 594043
Servicing: D9R116; -44
O.D. 68.60, **L.** 152.30, **No. of teeth** 11,
Splines 9
Drive: Cargo135282.



231073 Drive

Replacing: 594361
Servicing: D6RA181; D6RA81
O.D. 29.00, **I.D.** 11.80, **L.** 68.90,
No. of teeth 9, **Splines** 5, **Rotation** CR,
Drive type Steel



231093 Drive

Replacing: 594389; 2387
Servicing: D7RS29; -30; -31
O.D. 28.80, **I.D.** 16.25, **L.** 91.20,
No. of teeth 11, **Splines** 9, **Rotation** ACR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



231204 Drive/Shaft Assy

Servicing: D9R90

O.D. 34.40, **No. of teeth** 11, **Rotation** CR

Drive: Cargo 132021. Shaft: Cargo 233528.



231413 Drive

Replacing: 187449; ne955

Servicing: d13hp601

O.D. 41.30, **I.D.** 19.00, **L.** 114.30,
No. of teeth 11, **Splines** 19, **Drive type** Steel



231667 Drive

Replacing: 594035; -110; 184799; 185744

Servicing: D6RA21; -43

O.D. 29.25, **I.D.** 11.95, **L.** 51.45,
No. of teeth 9, **Splines** 9, **Rotation** ACR,
Drive type Steel



231932 Drive

Replacing: 594410; 188993

Servicing: D7R34; -53; D8R1

O.D. 32.10, **I.D.** 12.10, **L.** 54.70,
No. of teeth 10, **Splines** 9, **Rotation** CR,
Drive type Steel



232632 Drive

Replacing: 2006202000; 480410; 75249; m029075429; 103066; 1.01.0776.0

Servicing: 0001420001; -3; -4; -5; -9; -12; -13; -14; -15; -24; -25; -1001; -1002; -1003; -1004; -1006; -1008;

O.D. 46.30, **I.D.** 19.00, **L.** 118.00,
No. of teeth 12, **Splines** 19, **Rotation** CR,
Drive type Steel



233450 Drive

Replacing: 594107; 185283; NE869

Servicing: D6RA30

O.D. 29.50, **I.D.** 12.15, **L.** 50.75,
No. of teeth 11, **Splines** 9, **Rotation** CR,
Drive type Steel



233496 Drive

Replacing: 594291

Servicing: D13HP613; -709

O.D. 56.20, **I.D.** 19.15, **L.** 117.90,
No. of teeth 11, **Splines** 19, **Drive type** Steel



233996 Drive

Replacing: 594378

Servicing: D7ES2; -4

O.D. 23.15, **I.D.** 12.35, **L.** 74.90,
No. of teeth 8, **Splines** 10, **Rotation** ACR,
Drive type Steel



234086 Drive

Replacing: 594382; 188595

Servicing: d6ra101; -4; -5; -10; -15

O.D. 29.00, **I.D.** 11.75, **L.** 51.40,
No. of teeth 11, **Splines** 5, **Rotation** CR,
Drive type Steel



234088 Drive

Replacing: 594308; 187084

Servicing: d7r14

O.D. 32.55, **I.D.** 69.15, **L.** 12.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel



234231 Drive

Replacing: 594436

Servicing: D7E19; -20; -22; -27; -47

O.D. 23.00, **I.D.** 11.00, **L.** 41.50,
No. of teeth 8, **Splines** 5, **Rotation** CR,
Drive type Steel



234819 Drive

Replacing: 594631
Servicing: d7g3
O.D. 29.50, **I.D.** 12.00, **L.** 45.00,
No. of teeth 11, **Splines** 10, **Rotation** CR,
Drive type Steel



234918 Drive

Replacing: 594248
Servicing: d6ra168; d6ra68
O.D. 25.15, **I.D.** 12.10, **L.** 57.30,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



234996 Drive

Replacing: 594451
Servicing: d7e29; -30; -31; -32
O.D. 27.00, **I.D.** 11.00, **L.** 44.20,
No. of teeth 8, **Splines** 10, **Rotation** CR,
Drive type Steel



235085 Drive

Replacing: 054104; ne573
Servicing: d11e69
O.D. 38.65, **I.D.** 14.00, **L.** 83.00,
No. of teeth 10, **Splines** 6, **Rotation** Clockwise, **Drive type** Steel



235086 Drive

Replacing: 054174; ne152
Servicing: d11e70; -5
O.D. 34.39, **I.D.** 14.00, **L.** 76.28,
No. of teeth 9, **Splines** 6, **Rotation** CR,
Drive type Steel



235087 Drive

Replacing: 054335; ne153
Servicing: d11e111; -40; -44; d11e74; d11e74t; d11e84
O.D. 39.75, **I.D.** 14.17, **L.** 76.04,
No. of teeth 10, **Splines** 6, **Rotation** CR,
Drive type Steel



235088 Drive

Replacing: 072083; 073811; 079238; -40; ne305; -6
Servicing: 6083; 6083b; -c; -d; 6099; 6099cd
O.D. 40.00, **I.D.** 14.00, **L.** 75.15,
No. of teeth 10, **Splines** 6, **Rotation** CR,
Drive type Steel



235179 Drive

Replacing: 594314; -56
Servicing: D6RA167; -80; D6RA67; -80; -91
O.D. 29.62, **I.D.** 12.12, **L.** 65.80,
No. of teeth 9, **Splines** 10, **Rotation** CR,
Drive type Steel



235252 Drive

Replacing: 594472
Servicing: D7RS150; d7rs50
O.D. 28.95, **L.** 93.00, **No. of teeth** 11,
Splines 9

235650 Drive

No. of teeth 9, **Splines** 8



236238 Drive

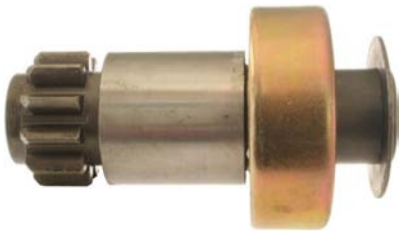
Replacing: 594465
Servicing: D7G4
O.D. 31.50, **I.D.** 12.00, **L.** 55.00,
No. of teeth 10, **Splines** 10, **Rotation** CR,
Drive type Steel

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



236270 Drive

Replacing: 594657; 2378
Servicing: D7G11
L. 45.00, **No. of teeth** 10, **Splines** 10



236477 Drive

Servicing: D7GS8
O.D. 29.50, **I.D.** 16.20, **L.** 82.00, **No. of teeth** 11, **Splines** 8, **Rotation** ACR, **Drive type** Steel



236607 Drive

Servicing: 03101-3170; -90
O.D. 29.00, **L.** 94.00, **No. of teeth** 9, **Splines** 10

Pkg 0

236609 Drive

Replacing: 236609; 2394
Servicing: D6GS11; -2; -3
O.D. 28.60, **L.** 82.00, **No. of teeth** 10, **Splines** 10



236797 Drive

Replacing: 236797; 330692
Servicing: D6G1
O.D. 25.30, **I.D.** 12.00, **L.** 45.45, **No. of teeth** 9, **Splines** 10, **Rotation** CR, **Drive type** Steel



236896 Drive

Replacing: 594453
Servicing: d7es5
O.D. 25.30, **L.** 75.20, **No. of teeth** 9, **Splines** 10



236985 Drive

Servicing: TM000A31201
O.D. 29.10, **I.D.** 12.02, **L.** 51.30, **No. of teeth** 9, **Splines** 8, **Rotation** CR, **Drive type** Steel



237086 Pinion

Servicing: mg122433
O.D. 39.51, **I.D.** 13.74, **H.** 18.27, **No. of teeth** 13, **Splines** 19



237291 Drive

Servicing: D7GS9
O.D. 29.10, **I.D.** 12.10, **L.** 82.00, **No. of teeth** 9, **Splines** 8, **Rotation** CR, **Drive type** Steel

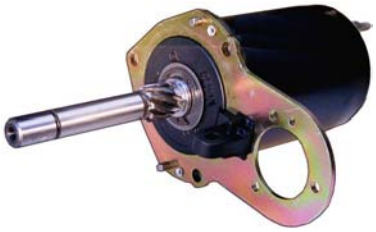
Drive Parts



139953 Pinion

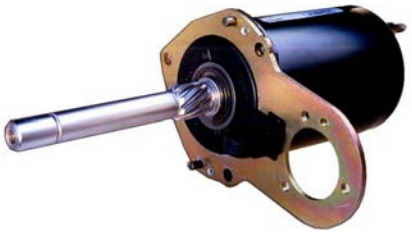
O.D. 32.55, **I.D.** 13.25, **H.** 18.25, **No. of teeth** 10, **Splines** 19

Planet Gears



133079 Yoke/Arm/Gear Assy

Replacing: 594015; -9; -21; -105; -151; -176; -207; -232; -234; -237
Servicing: d6ra10; -2; -3; d6ra141; d6ra16; d6ra161; d6ra18; -20; -22; -23; -26; -30; -32; -33; -37; -38; -39;
V. 12, **kW.** 1.1
Outer gear plate: Cargo 133954.



133804 Gear Housing

Replacing: 594023
Servicing: D6RA17; -9; -27; -29
V. 12, **kW.** 1.1, **Rotation** ACR
Outer gear plate: Cargo 133954.



135081 Planet Gear

Replacing: 594539; -8; -41; -42; -47
Servicing: d6ra10; -2; -3; d6ra133; -41; d6ra16; d6ra161; -2; d6ra18; -20; -22; D6RA249; d6ra26; -30; -32; -33
L. 113.40, **Splines** 9
Outer gear: Cargo 133954.



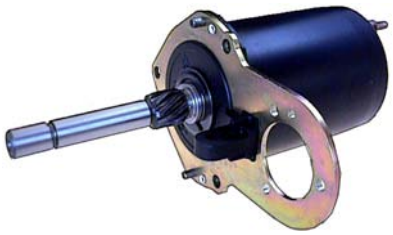
135388 Planet Gear

Replacing: 594141
Servicing: d7r1; -2; -3; -4; -5; -7
L. 126.70, **Splines** 9



135420 Yoke/Arm/Gear Assy

Replacing: 594020; -2
Servicing: D6RA15; -47; D6RA7
V. 12, **kW.** 1.1
Outer gear plate: Cargo 133954.



136908 Yoke/Arm/Gear Assy

Replacing: 594024
Servicing: d6ra20; -1; -42; -43; -44
Rotation ACR



138151 Planet Gear

Replacing: 594187; -373
Servicing: D7R11; -2; -3; -5; D7R151; D7R16; -8; -9; -20; -24; -25; -26; -27; -28; -33; -34; -35; -40; -43; -4
L. 90.00, **Splines** 9



231072 Yoke/Arm/Gear Assy

Replacing: 594363
Servicing: D6RA181; D6RA81
V. 12, **kW.** 1.1



233994 Planet Gear

Replacing: 594283
Servicing: d7r17; -9; -22; -23; -27; -28; d7r281
L. 119.70, **Splines** 10



234151 Planet Gear

Replacing: 594551
Servicing: d6ra83; D6RAD183
L. 111.75, **Splines** 10



234387 Planet Gear

Replacing: 594395; -699
Servicing: d7rs29; -30; -31; -50
L. 131,8/144,8, **Splines** 9, **Rotation** ACR
Drive: Cargo 231093, 235252.



235706 Planet Gear

Replacing: 594541
Servicing: d6ra141; -61; -511; d6ra53; -6; d6ra571; -2; -661; d6ra74
L. 111.50, **Splines** 10, **Rotation** CR

235707 Planet Gear

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



235708 Planet Gear

Replacing: 594547
Servicing: d6ra721
L. 113.00, **Splines** 10, **Rotation** CR

235709 Planet Gear

Replacing: 594549
Servicing: d6ra100; -8; -9

Gear Parts

Pkg 10



135326 Steel Pin

Servicing: d6ra

Assort. 803034

Pkg 5



137579 Washer

Replacing: 2590944
Servicing: 93bb11000kb
O.D. 38.60, **I.D.** 21.60, **Th.** 2.50
Reduction gear: Cargo 231377.

Pkg 10



142028 Bushinging

O.D. 18.05, **I.D.** 14.00, **L.** 6.40, **Type** Standard, **Material** Copper

Pkg 10



230088 Steel Pin

Servicing: 594187



233528 Gear Shaft

Front D. 14.00, **Rear D.** 12.00, **L.** 144.00, **No. of splines** 9



233529 Gear Shaft

Front D. 14.30, **Rear D.** 12.00, **L.** 129.00, **No. of splines** 9



233592 Outer Gear

Servicing: d6ra40
O.D. 55.10, **No. of teeth** 37



234891 Outer Gear

Servicing: 594470



235498 Gear Shaft

Replacing: 594152; res3525
Servicing: d9r105; -12; -18; -19; -21; -22; -42; -49; d9r73; -84; -89; -91; -99
L. 129.54, **Splines** 9, **Rotation** CR

Pkg 10



236215 Washer

Servicing: d9r105; -12; -18; -19; -22; -42; -44; -49; d9r89; -90; -91; -97; -99; d9rp160; -256
O.D. 29.70, **I.D.** 18.00, **Th.** 1.10, **Material** Fiber



236695 Gear Shaft

Servicing: m0t84881; M0T84881ZC; -2ZC; M60082; tm000a13901

L. 105.90, **No. of splines** 8

Stationary



133403 Internal Gear

Replacing: m135b00371; m135c00171; m135x00771; m135x01171; 35137-32510

Servicing: 23300-1P115; -75; -20P11; -30F11; -30R13; -44R11; -48L10; -4E100; -4E210; -50Y11; -52F10; -53J12; -

O.D. 65.00, **I.D.** 49.15, **H.** 30.20, **No. of teeth** 43



133954 Outer Gear

O.D. 80.15, **H.** 24.60, **No. of teeth** 59

Cap: Cargo 233460.

Gear Covers

Pkg 10



233460 D.P. Cap

O.D. 49.20, **I.D.** 14.00



235159 Gear Wheel

Servicing: d6ra

O.D. 19.80, **No. of teeth** 15

Gear Wheels

Pkg 10



135325 Gear Wheel

Servicing: 594019

O.D. 18.30, **I.D.** 4.00, **H.** 7.40, **No. of teeth** 22

Bushing: Cargo 140952.

Pkg 5



135867 Armature Gear

Servicing: 182175; d9r

O.D. 21.10, **I.D.** 10.00, **H.** 34.40, **No. of teeth** 15

Pinions



234679 Pinion

Servicing: mg120416; TM000A06601

O.D. 39.10, **I.D.** 13.40, **H.** 18.10, **No. of teeth** 13, **Splines** 20



235327 Pinion

Replacing: res8739; 235327

Servicing: 36100-42050; mg122433

O.D. 39.63, **I.D.** 13.68, **H.** 18.26, **No. of teeth** 13, **Splines** 19

Levers



132029 Lever

Servicing: Lever only: Cargo 134866 D9R105; D9R1050; D9R106; -16; -18; -19; -21; -22; -26; -35; -39; -44; -49;

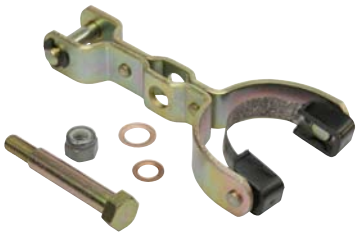
L. 90.70, **Lever** 1

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



132971 Lever

Replacing: 182154; -6
Servicing: D13E100TE; -1TE; -4TE; D13E105; D13E107TE; -8TE; -9TE; -10TE; D13E111; -6; D13E72; -3; D13E73TE; D1
L. 120.00, **Lever** 1



132972 Lever

Servicing: D15E29; D15E29TE; D15E30; D15E30TE
L. 138.65, **Lever** 1



133077 Lever

Replacing: 181084; 594068
Servicing: d6ra10; d6ra100; -8; -9; d6ra11; -2; -3; -5; -6; -7; -8; -9; -20; -21; -22; -23; -25; -26; -27; -28
L. 75.20, **Lever** 1
As Cargo 134866 w/ plunger.



133139 Lever

Replacing: 300838
Servicing: D10E85; -7; -8; D10E881; -2; D10E89; -90; -92; D10E921; -2
L. 90.75, **Lever** 1



133663 Lever

Servicing: D11E163; -4; -9; -72; -73; -76; -77; -78; -84; -87; -272
L. 105.60, **Lever** 1

Pkg 5



134105 Lever

Servicing: D6RA56
L. 75.20, **Lever** 5
Lever w/ plunger: Cargo 133077.



134813 Lever

Servicing: D10E59; -66; -69; -72; -74; -96; -97; d8e54; -9E11; -9E12; -9E14; -9E15; -9E18; -9E19; -9E20; -9E22
L. 91.65, **Lever** 1

Pkg 5



134866 Lever

Replacing: 137572; 134866
L. 90.65, **Lever** 5
Lever w/ plunger: Cargo 132029.

Pkg 5



135515 Lever

Servicing: D7R17
L. 82.20, **Lever** 5
Lever w/ plunger: Cargo 139439.



135589 Lever Kit

Servicing: D11E118; -9; D11E119T; D11E120; -9; D11E129T; D11E131; -7; -9; D11E139T; D11E141; -6; -53; D11E153T
L. 103.35



136620 Lever

Replacing: 098945; 182058
Servicing: D10E86; -9E100; -9E101; -9E102; -9E103; -9E104; -9E107; -9E108; -9E109; -9E110; -9E111; -9E113; -9E
L. 90.65, **Lever** 1
As Cargo 134866 but w/o plunger.



137732 Lever

Replacing: 594374; -255; -259; -422
Servicing: d6ra101; -4; -5; -7; -10; -15; -33; -37; -38; -41; -61; -62; -67; -68; -80; -81; -85; -87; -88; -21
L. 73.25, **Lever** 1
Lever only: Cargo 138854.



138112 Lever

Replacing: 594298; 182036; 593253
Servicing: D13E117TE; -8TE; -9TE; -20TE; -21TE; -22TE; -23TE; D13HP601; -5; -7; -701; -702; -703; -705
L. 121.40, **Lever** 1



138114 Lever

Replacing: 594069
Servicing: D9R112; -34; -42
L. 109.75, **Lever** 1

Pkg 5



138854 Lever

Replacing: 594460; 233395
Servicing: D6RAD183
L. 73.20, **Lever** 5
Lever w/ plunger: Cargo 137732.



139439 Lever / Plunger

Replacing: 594281; -62; -390
Servicing: D7R1; D7R11; -2; -3; -4; -5; D7R151; D7R16; -8; -9; D7R2; D7R20; -2; -3; -4; -5; -6; -7; -8; D7R3;
L. 82.30
Lever only: Cargo 135515.



139533 Lever

Replacing: m864x09371; 36114-11130
Servicing: 23300-41B71; -73Y10; M2T13381; -30281; -30381; -30385; -30581; -30585; -30586; -30881; -31981; -322
L. 77.25, **Lever** 1



230950 Lever Kit

Replacing: 594289; -417
Servicing: D7E1; D7E15; -6; -8; -9; -20; -22; -23; -26; -27; -29; -30; -31; -32; d7e4; d7e52; d7e6
L. 82.80
Lever only: Cargo 231148.

Pkg 20



231148 Lever

L. 83.00, **Lever** 20
lever w/ plunger: Cargo 230950.

Lever Parts

Pkg 10



134142 Spacer

O.D. 12.00, **Th.** 11.00
Assort. 803034



231192 Spring Set

Pkg 10



237685 Lever Support

Servicing: d7e29; -39; d7e6; TS8E1; -3

Clutches



231269 Clutch

L. 117.00/131.00, **Splines** 19



237115 Clutch

Servicing: TM000A23601
L. 117.80/131.00, **Splines** 19

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Brush Gears



132812 Brush Gear

Brush w/o, **Brush gear** 1, **Spring terminal** w/o
Brush set: Cargo PSX1304.

Pkg 5



132995 Brush Gear

Servicing: LR155-25
Brush w/o, **Brush gear** 5, **Spring terminal** w/o
Brush set: Cargo PSX1332.



133341 Brush Gear

Replacing: m649t01271; -2; -3; m649t06871; m649t09371; -471; md611918; 36169-32510; 36170-32500; 36169-32510; 1
Servicing: 23300-20P11; -30F11; -30R13; -44R11; -48L10; -4E100; -4E210; -50Y11; -52F10; -53J12; -57M71; -65F10
V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With
Neg. brushes. Brush set: cargo 140559.



133646 Brush Gear

Replacing: 181961; 594072; 136729
Servicing: d6ra10; -2; -6; -8; -20; -45; D6RA6; D6RA61; d6ra8
Brush w/o, **Brush gear** 1, **Spring terminal** w/o
Spring and brush set: Cargo PSX146-147K.



133647 Brush Gear

Replacing: 183957; 186381; 594070; 136728
Servicing: D6RA10; -2; -6; -8; -20; -45; d6ra5; -6; d6ra61; D6RA8
Brush w/o, **Brush gear** 1, **Spring terminal** w/o
Spring & Brush set: Cargo PSX144-145K



134642 Brush Gear

Brush w/o, **Brush gear** 1, **Spring terminal** w/o
Brush set: Cargo psx140-141 Brush spring: Cargo 135201



136763 Brush Gear

Brush w/o, **Brush gear** 1, **Spring terminal** With
Kul sæt: Cargo PSX158 4



138642 Brush Gear

Replacing: 184630; 2106053
Servicing: d13e117; D13E117TE; D13E118; -23; D13E123TE; D13HP703
V. 24, **Brush** With, **Brush gear** 1, **Spring terminal** With
Neg. brushes Brush set: Cargo psx1124



138643 Brush Gear

Servicing: D13E100TE; -1TE; -4TE; D13E105; D13E108TE; D13E111; -6; D13E73; D13E73TE; D13E74; D13E74TE; D13E81;
Brush With, **Brush gear** 1, **Spring terminal** With
Neg. brushes Brush set: Cargo psx83-844



139224 Brush Gear

Replacing: 594351; -290; -479
Servicing: d7e1; d7e15; -6; -8; -9; -20; -22; -23; -27; -29; -30; -31; -32; d7e4; d7e52; d7e6; -8; d7ed28
V. 12, **Brush** With, **Brush gear** 1, **Spring terminal** With
Brush set: PSX 1554



230126 Brush Gear

Servicing: D15E29; D15E29TE; D15E30; D15E30TE
Brush With, **Brush gear** 1,
Spring terminal With
Neg. brushes Brush set: Cargo psx884



230426 Brush Gear

Replacing: 73318
Servicing: D11E118; -20; -58; -60
Brush With, **Brush gear** 1,
Spring terminal With
Neg. brushes Brush set: Cargo psx81-824



231841 Brush Gear

Replacing: 594381
Servicing: D7ES2; -4; -5
Brush With, **Brush gear** 1,
Spring terminal With
Anti CW rotation.



233617 Brush Gear

Replacing: 594222
Servicing: D13HP605; -7; -8
Brush w/o, **Brush gear** 1, **Spring terminal** With
Brush set: Cargo 141067



233771 Brush Gear

Brush w/o, **Brush gear** 1, **Spring terminal** With
Brush set: Cargo psx140-141



234119 Brush Gear

Replacing: 190097; 236273
Servicing: D7G11
V. 12, **Brush** With, **Brush gear** 1,
Spring terminal With
1.7 kW.



235390 Brush Gear

Servicing: TM000A27301; -31001; -37001
V. 12, **Brush** With, **Brush gear** 1,
Spring terminal With

Brush gears parts

Brush Springs



132571 Spring/Cap Set

O.D. 7.25, **L.** 29.70
Assort. 803034; 803041

Pkg 10



134902 Brush Spring

Replacing: 300842
Servicing: D10E 85,-87,-88,-89,-90
O.D. 11.90, **L.** 26.90
Assort. 803034; 803041

Pkg 10



135018 Brush Spring

O.D. 11.50, **L.** 23.90
Assort. 803034; 803041

Pkg 10



135422 Brush Spring

Servicing: A13VI134; D7R17; -9
O.D. 8.55, **L.** 26.00
Assort. 803041

Pkg 10



135423 Spring Cap

Servicing: D7R19
O.D. 18.10, **H.** 6.15

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



135707 Brush Spring

Replacing: 1-21913-0360; 594542
Servicing: 0-21000-3310; -33; -34; -42; -62; -90; -91; -411; -625; -626; -701; -4110; -4111; -4141; -4222; -44
L. 29.00

Brush Sets



140840 Brush/Spring Kit

L. 17.33, **Th.** 9.89, **H.** 24.90,
No. of brushes 4
Brush set only: Cargo PSX1254.



140851 Brush/Spring Kit

Replacing: 182145; 136670
Servicing: D11E122; D11E122T; D11E128; D11E128T; D11E130; D11E89; D11E89T; D11E89TE; D11E90; D11E90T; D11E98;
L. 17.40, **Th.** 9.90, **H.** 24.90,
No. of brushes 4
Brush set only: Cargo PSX83-844.



141067 Brush Set

Replacing: 594286
Servicing: D13HP601; -5; -7; -8; -9; -13; -704
V. 24, **L.** 20.00, **Th.** 10.15, **H.** 24.95,
No. of brushes 4



141224 Brush Set

Servicing: m0t85381
V. 12, **L.** 15.50, **Th.** 4.40, **H.** 11.85,
No. of brushes 4



141244 Brush Set

Servicing: TM000A27301; -31001; -37001
V. 12, **L.** 12.20, **Th.** 5.00, **H.** 10.60,
No. of brushes 4



141245 Brush Set

Servicing: 36100-38050; m0t81181; M60081
V. 12, **L.** 12.05, **Th.** 4.35, **H.** 11.93,
No. of brushes 4



142037 Brush Set

Servicing: TA000A37301
V. 12, **L.** 12.20, **Th.** 5.05, **H.** 10.60,
No. of brushes 4



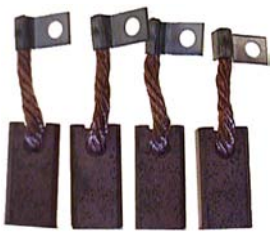
142039 Brush Set

Replacing: 236413; 142039
Servicing: 96518887
V. 12, **L.** 12.30, **Th.** 4.35, **H.** 11.90,
No. of brushes 4



142058 Brush Set

Servicing: 96467385; -97700
V. 12, **L.** 12.10, **Th.** 4.00, **H.** 13.00,
No. of brushes 4



plsx24 Brush Set

Replacing: plsx24
V. 12, **L.** 25.35, **Th.** 8.90, **H.** 12.85,
No. of brushes 4



plsx54 Brush Set

Replacing: plsx54
V. 12, **L.** 12.55, **Th.** 5.85, **H.** 12.40,
No. of brushes 4



psx106-1072 Brush Set

Replacing: 078166; 182072
Servicing: D8E103
V. 12, **L.** 14.20, **Th.** 6.92, **H.** 14.95,
No. of brushes 2



psx108-1092 Brush Set

Replacing: 92433
V. 12, **L.** 14.25, **Th.** 6.90, **H.** 14.85,
No. of brushes 2



psx1124 Brush Set

Replacing: 078900; 180237; 182146
Servicing: D13E107TE; -9TE; -10TE; D13E76; -7; D13E86TE; -7TE; -93TE; -94TE; -96TE; -98TE
V. 24, **L.** 17.45, **Th.** 9.90, **H.** 17.85,
No. of brushes 8



psx115-1162 Brush Set

Replacing: 075269; -943; 092655; 182064; PSX94-792
Servicing: D10E43; -8; -9; -50; -53; -54; -57; -63; -64; -65; -76; -80; -84; -8E102; -8E104; -8E106; -8E108; -
V. 12, **L.** 14.00, **Th.** 6.90, **H.** 18.00,
No. of brushes 2
Assort. 803032



psx119-1202 Brush Set

Servicing: D8E107; -11; -16; -30; -31; -41; -48; -54; D8E74; -99
V. 12, **L.** 14.30, **Th.** 6.90, **H.** 14.90,
No. of brushes 2
Assort. 803032



psx122-123-124 Brush Set

Servicing: D8E153; -5; -7
V. 12, **L.** 15.10, **Th.** 4.50/8.90, **H.** 12.45,
No. of brushes 4
Assort. 803032



psx1254 Brush Set

Replacing: psx1254
V. 12, **L.** 17.25, **Th.** 9.95, **H.** 24.95,
No. of brushes 4
Set w/ springs: Cargo 140840.

---

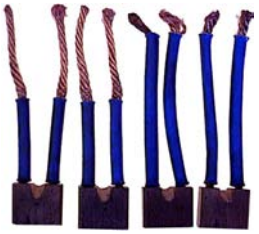
psx1292/1p Brush Set

Replacing: 092878; 182065
Servicing: D9E100; -2; -31; -38; -40; -200; -238; -300; D9E31; -40; -43; -44; -45; -46; -49; -50; -51; -52; -5
V. 12, **L.** 15.00, **Th.** 6.50/9.60, **H.** 10.10,
No. of brushes 4
Assort. 803032



psx1304 Brush Set

Replacing: 092883; 182068; 300687
Servicing: D9E32
V. 12, **L.** 15.10, **Th.** 6.50/9.65, **H.** 10.05,
No. of brushes 4
Assort. 803032



psx1324 Brush Set

Replacing: 075707; 092925; 182118
Servicing: D11E126; -35; -48; -56; -61; -72; -77; -84; -87; -88; -91; -92; -95; -272
V. 12, **L.** 14.05, **Th.** 9.90, **H.** 17.90,
No. of brushes 4
Assort. 803032

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



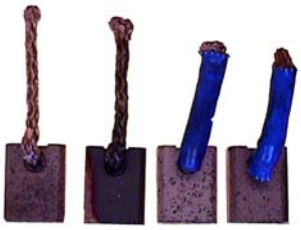
psx1332 Brush Set

Replacing: 092914; 182066; -7; PSX1312
Servicing: D9E36; -8; -9; -48; -56; -57; -61; -64; -66; -68; -69; -70; -76; -78; -81; -82; -83
V. 12, **L.** 15.05, **Th.** 6.90/12.50, **H.** 11.80,
No. of brushes 2
Assort. 803032



psx133k2 Brush Set

Replacing: 300706
V. 12, **L.** 15.00, **Th.** 6.90/12.45, **H.** 11.85,
No. of brushes 2
Assort. 803032



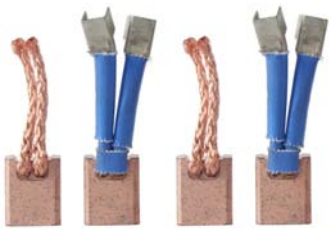
psx136-1374 Brush Set

Replacing: 300841
Servicing: D10E85; -7; -8; D10E881; -2; D10E89; -90; -92; D10E921; -2
V. 12, **L.** 18.45, **Th.** 6.85, **H.** 14.90,
No. of brushes 4
Assort. 803032



psx138-1392 Brush Set

Replacing: psx138-1392
Servicing: D9R84
V. 12, **L.** 22.00, **Th.** 8.85, **H.** 17.90,
No. of brushes 2
Assort. 803032



psx140-1414 Brush Set

Replacing: psx140-1414
Servicing: D9R105; D9R1050; D9R106; -18; -22; -26; -35; -39; -42; D9R73; -89; -90; -91; -96; -99
V. 12, **L.** 21.95, **Th.** 8.90, **H.** 17.90,
No. of brushes 4
Assort. 803032



psx142-1434 Brush Set

Replacing: 140808; psx142-1434
Servicing: d7r14; -9
V. 12, **L.** 13.75, **Th.** 6.85, **H.** 13.80,
No. of brushes 4



psx142-1444 Brush Set

Replacing: 142035; psx142-1444
V. 12, **L.** 13.80, **Th.** 6.95, **H.** 13.90,
No. of brushes 4
0907. LN 2 component.



psx144-145k Brush Set

Replacing: 594063; -0; -127; -169; -317; -386; 140491
Servicing: d6ra101; -4; -10; d6ra12; -3; D6RA133; -41; D6RA15; -6; d6ra161; -7; d6ra17; -8; -9; -20; -21; -22;
V. 12, **L.** 18.00, **Th.** 4.50/9.05, **H.** 10.90,
No. of brushes 2
Spring only: Cargo 610203. Insulator only: Cargo 610204.
Assort. 803032



psx146-147k Brush Set

Replacing: 594061; -4; 140492
Servicing: D6RA10; D6RA8
V. 12, **L.** 14.00, **Th.** 9.20, **H.** 10.95,
No. of brushes 2
Spring only: Cargo 610205. Insulator only: Cargo 610204.
Assort. 803032



PSX148-157K Brush Set

Replacing: PSX148-157K
V. 12, **L.** 17.90, **Th.** 4.50/9.05, **H.** 11.00,
No. of brushes 2



PSX148-158K Brush Set

Replacing: PSX148-158K
V. 12, **L.** 17.90, **Th.** 4.50/9.10, **H.** 11.00,
No. of brushes 2



PSX148-159K Brush Set

Replacing: PSX148-159K
V. 12, **L.** 17.90, **Th.** 4.50/9.10, **H.** 11.00,
No. of brushes 2



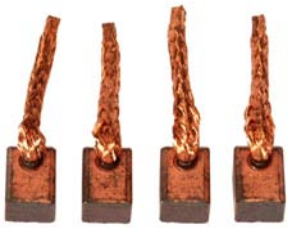
psx152-1538 Brush Set

Servicing: D13E117TE; -8TE; -9TE; -20TE; -21TE; -22TE; -23TE; D13HP701; -2; -3; -4; -5; -9
V. 24, **L.** 17.10, **Th.** 9.90, **H.** 17.95,
No. of brushes 8



psx1554 Brush Set

Replacing: psx1554
V. 12, **L.** 11.00, **Th.** 6.35, **H.** 7.90,
No. of brushes 4



psx1564 Brush Set

Replacing: psx1564
V. 12, **L.** 10.75, **Th.** 6.40, **H.** 7.92,
No. of brushes 4
Anti CW rotation.



psx1584 Brush Set

Replacing: psx1584
Servicing: D7R17
V. 12, **L.** 13.65, **Th.** 6.80, **H.** 13.70,
No. of brushes 4



PSX160-1644 Brush Set

Replacing: 236278; psx160-1644
Servicing: D7G11
V. 12, **L.** 10.70, **Th.** 6.90, **H.** 12.80,
No. of brushes 4



PSX1614 Brush Set

Replacing: PSX1614
V. 12, **L.** 13.80, **Th.** 6.95, **H.** 13.90,
No. of brushes 4



PSX166-1674 Brush Set

Replacing: PSX166-1674
Servicing: D6G1; -2; -3; -5
V. 12, **L.** 15.50, **Th.** 3.90/6.40, **H.** 10.00,
No. of brushes 4



psx168-1674 Brush Set

Replacing: psx168-1674
Servicing: D6GSP19
V. 12, **L.** 15.20, **Th.** 3.00/6.35, **H.** 10.00,
No. of brushes 4



PSX169-1704 Brush Set

Replacing: PSX169-1704
Servicing: D6GS11; -2; -3
V. 12, **L.** 15.50, **Th.** 3.90/6.40, **H.** 10.00,
No. of brushes 4
Anti clock



psx35-362 Brush Set

Replacing: 072621; 72621d
Servicing: D10B32; -L27
V. 12/24, **L.** 13.75, **Th.** 6.90, **H.** 17.90,
No. of brushes 2

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



psx54-692 Brush Set

Replacing: 072595; 182069
Servicing: D8E15; -32; -42; -69; -85; -L39
V. 6, **L.** 14.45, **Th.** 9.95, **H.** 17.90,
No. of brushes 2



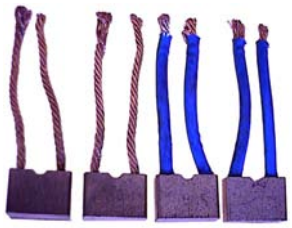
psx64-702 Brush Set

Replacing: 072591; 075452; 72591a
Servicing: D10B39; -40; -41; -44; -45; -E47; D11E109; -10; -42; -43; -59; -65; D11E79
V. 12, **L.** 16.95, **Th.** 6.95, **H.** 17.90,
No. of brushes 2
Assort. 803032



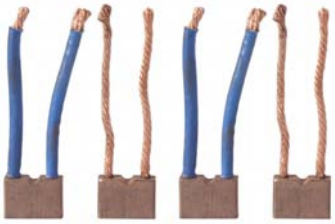
psx77-784 Brush Set

Replacing: 072619; -32; 182112; 72632h
Servicing: D10E68; D11E105; -7; -8; -15; -39; D11E139T; D11E181; -9; -93; D11E58; -69; -85; -8E105; -8E110; -8
V. 12/24, **L.** 14.15, **Th.** 6.90, **H.** 18.00,
No. of brushes 4
Assort. 803032



psx81-824 Brush Set

Replacing: 072631; 075093; 182114; -5; 300679; PSX96-974
Servicing: D11E104; -17; -18; -19; D11E119T; D11E120; -1; -7; -9; D11E129T; D11E131; -7; -41; -46; -53; D11E15
V. 12, **L.** 17.00, **Th.** 9.85, **H.** 24.90,
No. of brushes 4
Set w/ springs: Cargo 140840.
Assort. 803032



psx83-844 Brush Set

Replacing: 072630; 182132; -53
Servicing: D11E103; -14; -22; D11E122T; D11E124; -5; -8; D11E128T; D11E130; D11E81; D11E81T; D11E88; -9; D11E8
V. 24, **L.** 17.20, **Th.** 9.95, **H.** 25.00,
No. of brushes 4
Set w/ springs: Cargo 140851.



psx884 Brush Set

Servicing: D15E29; D15E29TE; D15E30; D15E30TE
V. 24, **L.** 20.40, **Th.** 11.90, **H.** 17.85,
No. of brushes 8



rx135h4 Brush Set

Replacing: 9x4825; 1852893; SG12S034
Servicing: 37MT, 41MT. 10478811; -4; -5; -7; -9; -26; -98; -925; -960; -961; -976; -9013; -9014; -9015; -9016;
V. 24, **L.** 27.60, **Th.** 9.45, **H.** 28.60,
No. of brushes 4



usx50-512 Brush Set

Replacing: 60556; 079325
V. 6/12, **L.** 13.05, **Th.** 8.65, **H.** 18.90,
No. of brushes 2
Assort. 803037



usx64-652 Brush Set

Replacing: 75217; 075244
V. 6, **L.** 14.80, **Th.** 7.90, **H.** 14.68,
No. of brushes 2

Bushings

Pkg 10



140038 Bearing Bushinging

Replacing: 98888; 098888
Servicing: M3T67281
O.D. 13.00, **I.D.** 10.00, **L.** 14.90, **Type** Standard, **Material** Copper
Assort. 803019

Pkg 10



140043 Bearing Bushinging

Replacing: 1000301063; 68430; -902; -903; 84909; 051914; 140043; -210
Servicing: 0001108074; -85; -86; -112; -122; -143; -12007; -12019; 0001223500; -2; -5; -6; -7; B001111191; -25
O.D. 15.05, **I.D.** 12.10, **L.** 15.00, **Material** Copper
Assort. 803019; 803020; 803033

Pkg 10



140064 Bearing Bushinging

Replacing: 35070; 82775; 035070; 140037
O.D. 15.00, **I.D.** 12.00, **L.** 19.80, **Type** Standard, **Material** Copper
Assort. 803019

Pkg 10



140065 Bearing Bushinging

Replacing: 850208; 74705810; 047852
O.D. 18.05, **I.D.** 14.07, **L.** 20.15, **Type** Standard, **Material** Copper
Assort. 803033

Pkg 10



140066 Bearing Bushinging

Replacing: 030828; 072101
O.D. 19.15, **I.D.** 16.00, **L.** 15.90, **Type** Standard, **Material** Copper

Pkg 10



140067 Bearing Bushinging

Replacing: 50488
O.D. 24.00, **I.D.** 20.00, **L.** 11.73, **Type** Standard, **Material** Copper

Pkg 10



140068 Bearing Bushinging

Replacing: 87880; 047403; 140044
O.D. 21.05, **I.D.** 17.05, **L.** 20.00, **Material** Copper

Pkg 10



140119 Bearing Bushinging

Replacing: 74952
O.D. 20.00, **I.D.** 15.90, **L.** 9.90, **Material** Copper
Assort. 803033

Pkg 10



140258 Bearing Bushinging

Replacing: 105464
Servicing: m1t74381
O.D. 13.09, **I.D.** 10.00, **L.** 12.85, **Type** Standard, **Material** Copper
Assort. 803033

Pkg 10



140259 Bearing Bushinging

Replacing: 105715
O.D. 13.00, **I.D.** 10.00, **L.** 15.85, **Type** Standard, **Material** Copper
Assort. 803033

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



140429 Bearing Bushinging

Replacing: fbm-38; e356-18-x81; m409c32370; m649c32370; md607903; 36112-11140

Servicing: 23300-01E12; -3; -3E11; -H610; -18V10; -41B10; -41B15; -41B71; -53J10; -53J15; -60S10; -73C10; -73Y

O.D. 16.00, **I.D.** 11.90, **L.** 9.50, **Type** Standard, **Material** Copper
Assort. 803042

Pkg 10



140440 Bearing Bushinging

Replacing: 104164

O.D. 20.00, **I.D.** 15.90, **L.** 8.00, **Material** Copper
Assort. 803033



140472 Bushinging Kit

Replacing: 182157; ne666

Servicing: D13E100TE; -1TE; -4TE; D13E105; D13E108TE; D13E111; -6; D13E72; -3; D13E73TE; D13E74; D13E74TE; D13



140473 Bushinging Kit

Replacing: 7f3506; 182158; ne486

Servicing: D13E107TE; -9TE; -10TE; -17TE; -18TE; -19TE; -20TE; -21TE; -22TE; -23TE; D13E76; -7; D13E86TE; -7TE

Assort. 803033



140474 Bushinging Kit

Replacing: 182164; ne735

Servicing: D15E29; D15E29TE; D15E30; D15E30TE

Assort. 803033

Pkg 10



140496 Bearing Bushinging

O.D. 15.00, **I.D.** 11.95, **L.** 10.00, **Material** Copper

Pkg 10



140497 Bearing Bushinging

Collar O.D. 13.76, **O.D.** 10.02, **I.D.** 6.05, **L.** 8.30, **Material** Copper
Assort. 803033

Pkg 10



140498 Bearing Bushinging

O.D. 22.04, **I.D.** 18.05, **L.** 5.00, **Material** Copper
Assort. 803033

Pkg 10



140499 Bearing Bushinging

O.D. 9.00, **I.D.** 6,02, **L.** 7,1, **Material** Copper
Assort. 803033

Pkg 10



140501 Bearing Bushinging

Replacing: 78039

Collar O.D. 17.95, **O.D.** 15.00, **I.D.** 11.90, **L.** 15.90, **Material** Copper



140526 Bushinging Kit

Replacing: 182142; ne002

Servicing: D11E184; -9; -91; -95; -97; -98

Assort. 803033



140531 Bushinging Kit

Replacing: ne003; 182061
Servicing: D10E59; -69; -75; -81; -83; -8E104; -8E105; -8E106; -8E107; -8E110; -8E111; -8E112; -8E113; -8E114;

Assort. 803033



140532 Bushinging Kit

Replacing: 182062; ne004
Servicing: D10E47; -8; -54; -57; -63; -64; -65; -66; -68; -72; -73; -74; -76; -79; -80; -84; -86; -96; -97; -8



140533 Bushinging Kit

Replacing: 583348; 182063; ne005; -379
Servicing: 532000A; 532000AB; 532000B; -1A; 532001AB; 532001B; -5A; -7A; -11A; -12A; -12B; -17A; -20A; -20B; -
O.D. 15.07, **I.D.** 12.07, **L.** 12.01, **Type** Standard, **Material** Copper
Assort. 803019; 803033



140534 Bushinging Kit

Replacing: 182074; ne006
Servicing: D8E103; -53; -55; -57; -58; -63; -64



140535 Bushinging Kit

Replacing: 182095; ne623
Servicing: D10B41



140536 Bushinging Kit

Replacing: 182096; ne007
Servicing: D10E85; -7; -8; D10E881; -2; D10E89; -90; -92; D10E921; -2



140537 Bushinging Kit

Replacing: 182136; ne008
Servicing: D11E108; -18; -19; D11E119T; D11E120; -31; -37; -39; D11E139T; D11E141; -4; -6; -8; -61; -93; D11E5

Assort. 803033



140538 Bushinging Kit

Replacing: 182137; ne009
Servicing: D11E130; D11E89; D11E89T; D11E89TE; D11E90; D11E90T; D11E98; D11E98T; D11E98TE



140539 Bushinging Kit

Replacing: 182138; ne010
Servicing: D11E122; D11E122T; D11E128; D11E128T; D11E129; D11E129T; D11E138; D11E138T; D11E149



140540 Bushinging Kit

Replacing: 182139; ne011
Servicing: D11E142; -3; -53; D11E153T; D11E154; -5; -6; -8; -9; -60; -65; D11E167T; D11E170; -80; -202

Assort. 803033



140541 Bushinging Kit

Replacing: 182140; ne012
Servicing: D11E163; -4; -9; -72; -73; -76; -77; -78; -84; -87; -88; -92; -272

Assort. 803033



140542 Bushinging Kit

Replacing: 583369; ne380
Servicing: 6020E; -F; -135E; -139B; -139C; -227A; -227B

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



140543 Bushinging Kit

Replacing: 583372; ne381
Servicing: 6056H; 6056HJ; 6056J; -92B; -99C; 6099CD; 6099D; -109F; 6109FGHKL; 6109G; -H; -K; -L; -60D; 6160DEF

Assort. 803019



140544 Bushinging Kit

Replacing: 583376; ne382
Servicing: 532002A; -B; -C; -3A; -3B; -4A; -4B; -4C; -8A; -8B; -8C; -9A; -9B; -10A; -10B; -14A; -18A; -6001A;

Assort. 803019



140545 Bushinging Kit

Replacing: 583379; ne383
Servicing: 538000A; 538000ABC; 538000B; -C; -2A; -3A; -5A; -5D; -6A; 6178A; 6178AB; 6178B; -C; 6178CD; 6178D;

Assort. 803019

Pkg 10



140615 Bearing Bushinging

Collar O.D. 13.80, **O.D.** 10.20, **I.D.** 5.92, **L.** 8.05, **Type** Standard, **Material** Copper
Assort. 803033

Pkg 10



140667 Bearing Bushinging

Replacing: 68763; 068763
O.D. 18.05, **I.D.** 14.05, **L.** 14.90, **Type** Standard, **Material** Copper
Assort. 803019

Pkg 10



140669 Bearing Bushinging

Replacing: 2114-14101; 071437
Servicing: S114-501; S114-501A; S114-505; S114-505A; -7A; S114-509; -16; S114-516A; S114-517; S114-517C; S114-
Collar O.D. 39.10, **O.D.** 32.10, **I.D.** 25.00, **L.** 19.85, **Type** Standard, **Material** Copper

---

Pkg 10



140670 Bearing Bushinging

Replacing: 71381
O.D. 20.00, **I.D.** 16.00, **L.** 24.70, **Material** Copper

---

Pkg 10



140671 Bearing Bushinging

Replacing: 74330
O.D. 35.10, **I.D.** 27.00, **L.** 13.80, **Type** Standard, **Material** Copper

---

Pkg 10



140672 Bearing Bushinging

Replacing: 46388
O.D. 28.10, **I.D.** 20.05, **L.** 28.60, **Material** Copper

---

Pkg 10



140673 Bearing Bushinging

Replacing: 46390
Collar O.D. 31.95, **O.D.** 28.05, **I.D.** 19.95, **L.** 24.95, **Material** Copper

---

Pkg 10



140674 Bearing Bushinging

Replacing: 46389

Collar O.D. 39.95, **O.D.** 35.10, **I.D.** 27.15, **L.** 29.45, **Material** Copper

Pkg 10



140676 Bearing Bushinging

Replacing: 95654

O.D. 24.05, **I.D.** 20.00, **L.** 16.00, **Type** Standard, **Material** Copper

Pkg 10



140678 Bearing Bushinging

Replacing: 55744

O.D. 20.00, **I.D.** 16.00, **L.** 16.00, **Type** Standard, **Material** Copper

Pkg 10



140679 Bearing Bushinging

Replacing: 48499

O.D. 24.10, **I.D.** 19.80, **L.** 18.00, **Material** Copper

Pkg 10



140680 Bearing Bushinging

Replacing: 055330; 074322; 140668

O.D. 21.05, **I.D.** 17.15, **L.** 23.85, **Type** Standard, **Material** Copper

Pkg 10



140681 Bearing Bushinging

Replacing: 55331

O.D. 30.05, **I.D.** 25.05, **L.** 19.70, **Material** Copper

Pkg 10



140683 Bearing Bushinging

Replacing: 75289

O.D. 30.05, **I.D.** 25.05, **L.** 14.80, **Material** Copper

Pkg 10



140684 Bearing Bushinging

Replacing: 96485

O.D. 18.00, **I.D.** 14.00, **L.** 15.80, **Type** Standard, **Material** Copper

Pkg 10



140734 Bearing Bushinging

Servicing: D7G11

O.D. 10.00, **I.D.** 7.00, **L.** 6.00, **Type** Standard, **Material** Copper

Pkg 10



140735 Bearing Bushinging

Servicing: D7G11

O.D. 24.05, **I.D.** 20.70, **L.** 4.75, **Material** Copper

Pkg 10



140952 Bearing Bushinging

O.D. 7.00, **I.D.** 4.00, **L.** 7.40, **Material** Steel

Pkg 10



140959 Bearing Bushinging

Replacing: 103063

O.D. 23.05, **I.D.** 19.00, **L.** 24.95, **Type** Standard, **Material** Copper

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 10



141097 Bearing Bushinging

O.D. 28.05, **I.D.** 21.90, **L.** 18.00, **Material** Copper

Pkg 10



141145 Bushinging

Servicing: M0T60187; m1t77781

O.D. 11.50, **I.D.** 8.15, **L.** 11.25, **Material** Copper

Pkg 10



141146 Bushinging

Servicing: m1t77781

O.D. 14.00, **I.D.** 10.10, **L.** 12.00, **Material** Copper

Pkg 10



141160 Bushinging

Servicing: 21023232; -719; D6RA165; -85; D6RA85

O.D. 22.05, **I.D.** 18.10, **L.** 4.50, **Material** Copper

Pkg 10



141221 Bushinging

Servicing: 594436

O.D. 12.10, **I.D.** 11.00, **L.** 14.00, **Material** Copper

Pkg 10



141252 Bushinging

Replacing: 235208; 141252

Collar O.D. 19.66, **O.D.** 16.00, **I.D.** 12.02, **L.** 10.96, **Material** Copper

Pkg 10

141264 Bushinging

Servicing: TM000A31201

O.D. 23.50, **I.D.** 19.00, **L.** 10.00, **Material** Copper



142000 Bushinging Kit

Replacing: 594458

Servicing: d7es2; -4

Pkg 10



142009 Bushinging

Servicing: 594631

O.D. 14.00, **I.D.** 12.01, **L.** 21.12

Bearings

Needle Bearings

Pkg 5



140919 Needle Bearing

Replacing: bk1014rs; f-221604; 186448

Servicing: D7R17; -9

O.D. 14.00, **I.D.** 10.00, **L.** 14.00,
No. of rollers 12
Closed end.
Assort. 802035

Pkg 100



141001 Needle Bearing

Replacing: hk1012rs; hk1012; 141001

Servicing: D7G11; M9T60471

O.D. 14.00, **I.D.** 10.00, **L.** 12.00,
No. of rollers 16
Assort. 802035

Pkg 10



141168 Needle Bearing

Replacing: hk0408; 141168
O.D. 8.00, **I.D.** 4.00, **H.** 7.90
Assort. 802035

Pkg 10



141225 Needle Bearing

Replacing: f-123459.2; 141225
Servicing: D7RS130; -1; -50; d7rs29; -30; -31; -50
O.D. 36.70, **I.D.** 29.50, **L.** 13.30

Pkg 10



141263 Needle Bearing

Replacing: 720000400; bk1210b; 101025
Servicing: 26925159a; -B; a14n101; -3; -6; -13; a14n12; a14n121; a14n13; a14n134; a14n14; a14n144; -8; -50; a1
O.D. 16.00, **I.D.** 12.50, **L.** 9.93,
No. of rollers 18

Pkg 5



142003 Needle Bearing

Servicing: d7es5
O.D. 33.00, **I.D.** 26.10, **L.** 13.70

Repair Kits



133078 Stop Collar Kit

Replacing: 594084
Servicing: d6ra10; -1; -2; -3; d6ra133; -41; d6ra15; -6; d6ra161; -2; d6ra17; -8; -9; -20; -21; D6RA210; d6ra2

Assort. 803034



134497 Repair Kit

Servicing: D11E163; -4; -9; -70; -72; -73; -76; -77; -78; -80; -84; -87; -272

Assort. 803034



135635 Repair Kit

Servicing: d6ra10; -2; d6ra8



135636 Repair Kit

Replacing: 594243
Servicing: d6ra100; -1; -4; -5; -10; -15; d6ra16; -8; -20; d6ra6; -8



136227 Repair Kit

Servicing: D10E85; -7; -8; D10E881; -2; D10E89; -90; -92; D10E921; -2; D8E153; -5; -7; -9E100; -9E101; -9e102;



136429 Repair Kit

Servicing: D11E118; -9; D11E119T; D11E122; D11E122T; D11E128; D11E128T; D11E129; D11E129T; D11E137; -8; D11E13



137163 Repair Kit

Servicing: D11E120; -31; -46; -58; -60; -81

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.



139749 Terminal Kit

Replacing: 70926
Servicing: D13E100TE; -1TE; -4TE; D13E105; D13E108TE; D13E111; -6; D13E72; -3; D13E73TE; D13E74; D13E74TE; D13
L. 30.15, **Thread** M5



231074 Stop Collar Kit

Replacing: 594242
Servicing: d6ra100; -5; -7; -8; -9; -37; -38; -65; -67; -68; -80; -81; -85; -87; -88; D6RA63; -5; -7; -8; -70;



231117 Repair Kit

Servicing: D9R105; D9R1050; D9R106; -12; -16; -18; -19; -21; -22; -26; -34; -35; -39; -42; -44; -49; D9R73; -8



233616 Repair Kit

Replacing: 594302
Servicing: D13HP601; -7



234021 Repair Kit

Replacing: 594200
Servicing: D13HP605; -7; -8; -9; -13; -701; -702; -703; -704; -705; -709

Sundry Parts

Pkg 5



131618 C.E. Brake Cap

Replacing: 75953
Servicing: 75953
O.D. 28.35, **H.** 18.10
Assort. 803034

Pkg 5



131810 Brake Cap

Replacing: 96473
Servicing: 96473
O.D. 32.35, **H.** 18.90
Assort. 803034

Pkg 5



132381 Cap

O.D. 48.85, **H.** 10.30
Assort. 803034

Pkg 5



133667 Brake

Assort. 803034

Pkg 5



134106 Rubber Seal

O.D. 61.20, **I.D.** 51.50, **Th.** 5.60, **Material** Rubber
Assort. 803034

Pkg 10



134107 Rubber Seal

O.D. 25.80, **L.** 34.00
Assort. 803034

Pkg 25



134289 Insulator

O.D. 13.80, **I.D.** 10.80, **L.** 22.55, **Insulator** 25
Assort. 803034

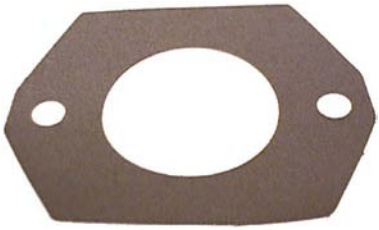
Pkg 10



134699 Washer

O.D. 23.80, **I.D.** 12.15, **Th.** 1.00, **Material** Fiber
Assort. 803034

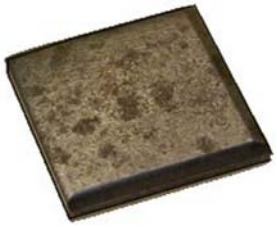
Pkg 10



134756 Gasket

L. 51.55, **Th.** 0.40, **W.** 41.45
Assort. 803034

Pkg 10



134779 Plate

Assort. 803034



134790 Stop Collar Kit

Replacing: 97804
Servicing: D10E66; -72; -74; -75; -79; -81; -83; -85; -86; -87; -88; D10E881; -2; D10E89; -90; -92; D10E921; -

Assort. 803034



134791 Stop Collar Kit

Replacing: 73294
Servicing: D10B41; -E47; -E48; -E49; -E50; -E52; -E53; -E54; -E55; -E57; -E58; -E59; -E60; -E63; -E64; -E65; -
O.D. 17.50, **I.D.** 12.00, **Th.** 6.10
Assort. 803034

Pkg 10



134980 Rubber Seal

Replacing: res10142; 134980

Assort. 803034

Pkg 10



135014 Insulator

Insulator 10
Assort. 803034



135317 Sealing Kit

Assort. 803034

Pkg 10



135516 Brake Cap

O.D. 23.90, **H.** 15.80

Pkg 10



135645 Pole Shoe Screw

Replacing: 2003429057; -60; 9001140194; 90117304; 182041; 2003429055; 2910960285
Servicing: 0001362008; -34; -35; -36; -38; -39; -41; -42; -45; -46; -48; -49; -50; -51; -52; -53; -57; -58; -5
Thread L. 11.00, **L.** 16.70, **Thread** M10

Pkg 10



135846 Retaining Ring

Servicing: 6004aa0003

Stop collar: Cargo 137742.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



135848 Stop Collar

Servicing: 6004aa0003

O.D. 16.70, **I.D.** 11.00, **Th.** 4.70, **Material** Steel

Pkg 5



135879 Grommet

Assort. 803040

Pkg 10



135968 Grommet

Assort. 803040

Pkg 5



136280 Gasket

L. 306.80, **Th.** 0.45, **W.** 57.90

Pkg 5



136323 Insulator

Insulator 5



136671 Stop Collar Kit

Replacing: 59454

Servicing: D11E103; -14; -22; D11E122T; D11E124; -5; -8; D11E128T; D11E130; -8; D11E138T; D11E149; D11E81; D11

O.D. 25.00, **I.D.** 17.00, **Th.** 8.10

Pkg 25



136736 Insulator Washer

O.D. 16.60, **I.D.** 11.50, **Th.** 1.00

Pkg 5



137493 Insulator

Servicing: D11E167; -76

Insulator 5



137573 End Cover

Replacing: 97802

Servicing: d9e70; d9e701

O.D. 41.15, **H.** 10.20

Pkg 10



138140 Sealing Kit

Replacing: 077526; 096486

Servicing: d11e163; -4; -9; -72; -73; -76; -77; -78; -87



138644 Sealing Kit

Replacing: 594018

Servicing: D13E107TE; -9TE; -10TE; D13E76; -7; D13E86TE; -7TE; -93TE; -94TE; -96TE; -98TE



138645 Sealing Kit

Servicing: D13E117TE; -8TE; -9TE; -20TE; -21TE; -22TE; -23TE



138646 Sealing Kit

Replacing: 72175
Servicing: D13E101TE; -8TE; D13E111; -6; D13E72; -3; D13E73TE; D13E74; D13E74TE; D13E78; D13E78TE; D13E79; D13



138647 Washer Kit

Servicing: D13E117TE; -8TE; -9TE; -20TE; -21TE; -22TE; -23TE; D9E102; -10; -14



138648 Washer Kit

Replacing: 79101
Servicing: D13E100TE; -4TE; -7TE; -9TE; -10TE; D13E76; -7; D13E86TE; -7TE; D13E89TEE; D13E90TE; -3TE; -4TE; -6



138649 Washer Kit

Servicing: D13E101TE; D13E105; D13E108TE; D13E111; -6; D13E72; -3; D13E73TE; D13E74; D13E74TE; D13E78; D13E78T

Pkg 10



138766 Brake Washer

O.D. 19.00, **I.D.** 12.20, **Th.** 0.80



138851 Magnet

L. 45.60, **H.** 10.40, **Pole type** Syd



139174 Brake Washer

Servicing: D13E100TE; -1TE; -4TE; D13E105; D13E107TE; -8TE; -9TE; -10TE; D13E111; -6; D13E117TE; -8TE; -9TE; -
O.D. 54.00, **I.D.** 37.85, **Th.** 4.25

Pkg 10



139380 Connector

Replacing: 79243
Servicing: d11e131
L. 97.45, **Mount. hole 1** 8.00, **Mount. hole 2** 8.00



139535 Connector

Servicing: a14n81m; D13E100TE; -1TE; -4TE; D13E105; D13E107TE; -8TE; -9TE; -10TE; D13E111; D13E117TE; D13E118;
L. 82.20, **Mount. hole 1** 12.60, **Mount. hole 2** 12.60

Pkg 100



192405 Socket Screw

L. 45.00, **Thread** M5

Pkg 10



230565 Stop Collar

O.D. 16.00, **I.D.** 11.10, **Th.** 3.55, **Material** Steel
Used w/ retaining ring: Cargo 230566.

Pkg 5



230566 Retaining Ring

Th. 1.20
Stop collar: Cargo 230565.

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Pkg 5



230707 Insulator

Servicing: d7ep12
Insulator 5



231190 Screw Set



231191 Screw Set



231194 Stop Collar Kit

O.D. 17.40, **I.D.** 12.10, **Th.** 5.00



231195 Cover Set

Pkg 5



231495 C.E. Cup

O.D. 14.30, **I.D.** 13.75, **H.** 13.95



231697 I.M. Fibre Washer

Servicing: d13hp605
O.D. 50.30, **I.D.** 35.85, **Th.** 4.70, **Material** Fiber



231717 Stop Collar Kit

Replacing: 59453
Servicing: D11E102; -5; -7; -9; -10; -15; -20; -31; -42; -43; -53; D11E153T; D11E158; -9; -65; -70; -80; -202;
O.D. 20.00, **I.D.** 14.00, **Th.** 6.10



232848 Cover

Servicing: d11e119; -20; -31; d11e167t; d11e191; -2
O.D. 116.50, **H.** 5.45

Pkg 5



233164 Drain Tube

Servicing: m8t50071; -171; mp112033; -40; -42
O.D. 11.55, **I.D.** 7.70, **L.** 9.90

Pkg 10



233441 C.E. Cover

Replacing: 46391
Servicing: d15e30; d15e30t; d15e30te

Pkg 10



233519 Bracket

Servicing: d10e85; -92
O.D. 95.95, **I.D.** 6.50, **Th.** 2.45,
Dist. btw mount. holes 80.70

Pkg 5



233656 Connector

Servicing: d13hp601

Pkg 10



233818 Washer

O.D. 15.95, **I.D.** 8.20, **Th.** 0.80, **Material** Steel

Pkg 10



233819 Washer

O.D. 13.65, **I.D.** 4.25, **Th.** 1.00, **Material** Steel

Pkg 10



234888 Gasket

Servicing: D7GS10; D7GS8; D7RS131; -50; d7rs31; -50

O.D. 36.70, **I.D.** 29.80, **Th.** 2.40

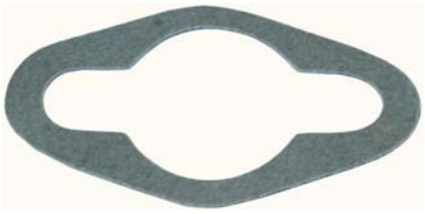
Pkg 10



234987 Washer

O.D. 15.5, **I.D.** 6.3, **Th.** 1.0, **Material** Metal

Pkg 10



235158 Gasket

Th. 0.50, **Material** Cardboard

Pkg 10



236094 Drain

Servicing: m0t80082; -5381; -6181; m1t60285; -72285; -74283; -80481; -85781; m2t87171; -8071; m52100

Pkg 10



236711 Washer

Replacing: 236145; -711

Servicing: d6ra43; D6RA431; d6ra59; -83; -91

O.D. 12.00, **I.D.** 6.00, **Th.** 0.30

Pkg 10



236712 Washer

Servicing: D6RA431; d6ra59; -83; -91

O.D. 12.00, **I.D.** 6.00, **Th.** 1.00

Pkg 10



236895 Gasket

Servicing: d7es5

Th. 1.88, **Material** Rubber

Oil Seals

Pkg 5



134481 Oil Seal

Servicing: 182178

O.D. 30.20, **I.D.** 18.30, **H.** 6.95

Assort. 803034; 803039

Pkg 5



139588 Oil Seal

Replacing: 74981

O.D. 37.15, **I.D.** 25.70, **H.** 6.80

Pkg 5



231573 Oil Seal

O.D. 32.15, **I.D.** 21.60, **H.** 6.70

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

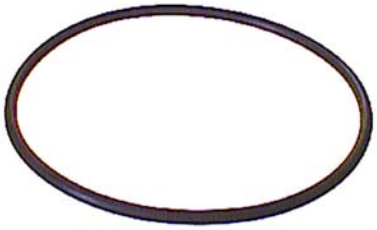


232855 Oil Seal

Replacing: 236910; 232855
O.D. 41.45, **I.D.** 31.85, **H.** 5.65

O - rings

Pkg 5



136431 O-Ring

Replacing: 55578
Servicing: d11e103; -4; -7; -8; -14; -18; -20; -25; -26; -30; -31; -37; d11e81; -8; -9; -90; -92; -93; -97; -9
I.D. 106.00, **Th.** 4.50

Pkg 10



138193 O-Ring

I.D. 71.00, **Th.** 3.00

Pkg 10



231331 O-Ring

Replacing: 92524
I.D. 49.20, **Th.** 2.75

Solenoids



133695 Solenoid

Replacing: 099845; cey113

V. 12, **Amp.** 100, **B+** M8,
Intermittent load 500, **Seconds** 5,
Coil bolt M8



133697 Solenoid

Replacing: 098932; cez113

V. 24, **Amp.** 100, **B+** M8,
Intermittent load 500, **Seconds** 5,
Coil bolt M8

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Bearings

Pkg 10



140086 Bearing 6202/zz

Replacing: 1900905226; -8; -44; 6220-693; 954293; 68933; 85218; 62022zrc3; 057382; 076001; 6202zz

Servicing: 0010350013; -4; 0136352005; -5049; -5050; -5053; -5054; -5055; -5057; -5058; -5059; -5060; -5061; -

O.D. 35.00, **I.D.** 15.00, **H.** 10.00

Solenoids



133695 Solenoid

Replacing: 099845; cey113

V. 12, **Amp.** 100, **B+** M8,
Intermittent load 500, **Seconds** 5,
Coil bolt M8



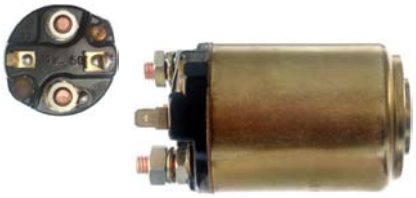
133697 Solenoid

Replacing: 098932; cez113

V. 24, **Amp.** 100, **B+** M8,
Intermittent load 500, **Seconds** 5,
Coil bolt M8

Abbrevations, see first pages.
All measurements are in mm. unless else stated.
O.E.M. names and numbers are used for reference purposes only.

Solenoids



133736 Solenoid

Replacing: 9330451002; 229-39

Servicing: 9000451024

V. 12, **B+** M8, **Coil bolt** M8

Cap: Cargo 133737.