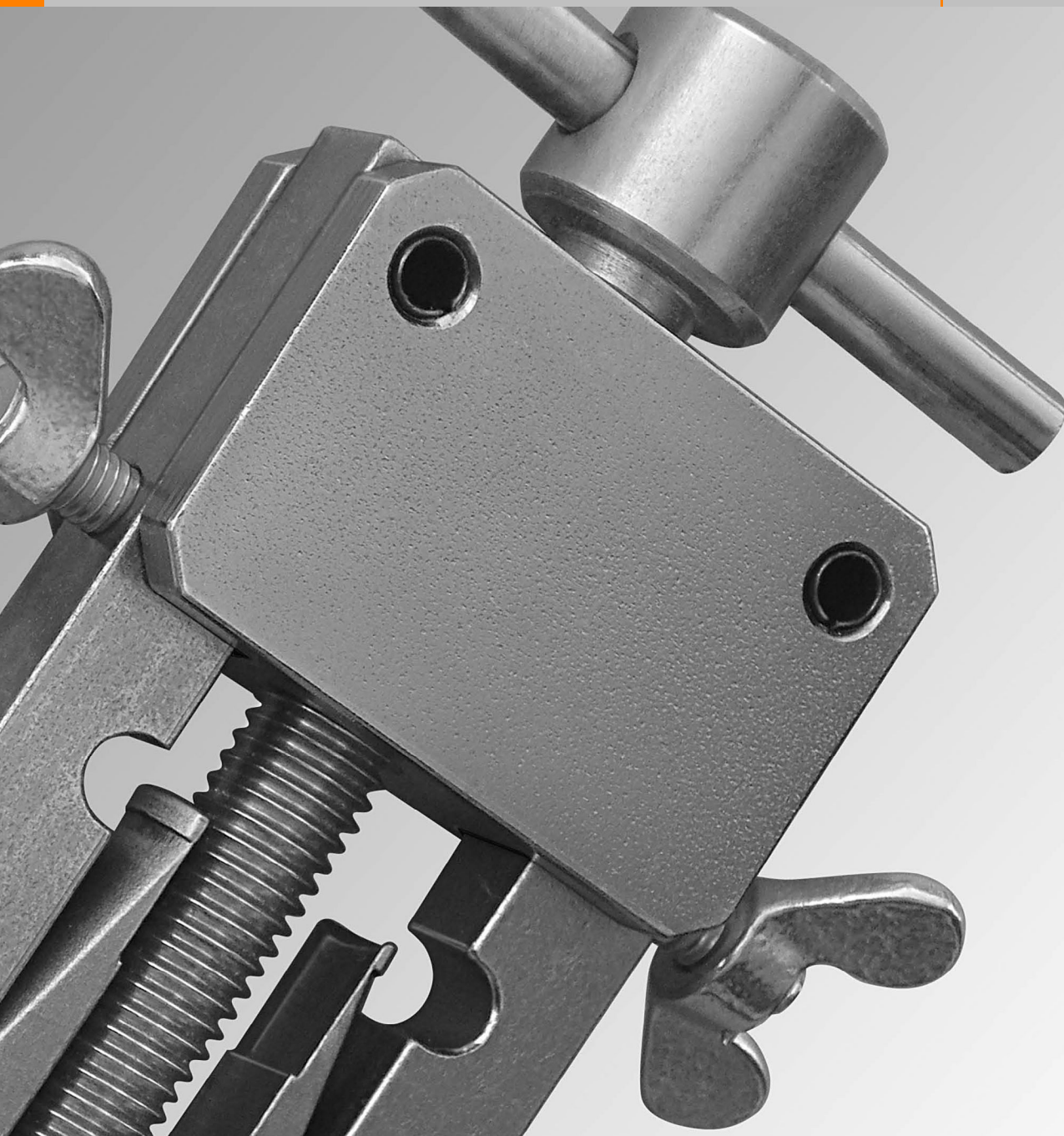


# Special Tools Manual

2010-01





This handbook provides an overview of the available STIHL special tools in three parts.

### Part 1

List of series in numerical order. Models are assigned to each series.

### Part 2

Alphanumerical list of models. STIHL special tools required for each model are shown together with their application.

### Part 3

Contains list of all STIHL special tools arranged according to part number, their names and a list of series for which the special tool is required.

1106	090, 090 G
1106	MS 720
1109	090, 090 G
1114	020
1115	045
1115	056
1118	028
1119	038
1119	MS 380
1119	MS 381
1121	024
1121	026
1121	MS 240
1121	MS 260, MS 260 C
1122	064
1122	066
1122	MS 640
1122	MS 650
1122	MS 660
1123	021, 023, 025
1123	MS 210, MS 210 C
1123	MS 230, MS 230 C
1123	MS 250, MS 250 C
1124	088
1124	MS 780
1124	MS 880
1125	034
1125	036
1125	036 QS
1125	MS 340
1125	MS 360
1125	MS 360 C
1127	029, 039
1127	MS 290, MS 310, MS 390
1128	044
1128	046
1128	MS 440
1128	MS 460
1129	020 T, 020
1129	MS 200 T, MS 200
1130	017
1130	018
1130	MS 170, MS 170 C
1130	MS 180, MS 180 C
1132	019 T

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1132	MS 190 T
1132	MS 191 T
1133	MS 270, MS 270 C, MS 280, MS 280 C
1135	MS 341
1135	MS 361, MS 361 C
1137	MS 192 C
1137	MS 192 T, MS 192 TC
1138	MS 441, MS 441 C
1139	MS 171
1139	MS 181, MS 181 C
1139	MS 211, MS 211 C
1140	MS 311, MS 391
1140	MS 362, MS 362 C
1141	MS 261, MS 261 C
1206	E 14
1207	E 20, E 220
1207	MSE 220, MSE 220 C
1208	E 140, E 160, E 180 C
1208	MSE 140 C, MSE 160 C, MSE 180 C, MSE 200 C
4113	FR 125, FR 135, FR 145
4116	FS 360, FS 420, FS 420 L
4116	FS 500, FS 550, FS 550 L
4119	FS 160, FS 180
4119	FS 220, FS 220 K, FS 280, FS 280 K, FS 290
4126	FR 125, FR 135, FR 145
4126	FS 88
4128	FR 350, FR 450, FR 480, FR 480 C
4128	FS 400, FS 450, FS 480
4130	FS 36, FS 40, FS 44
4133	FS 72, FS 74, FS 76
4134	FR 350, FR 450, FR 480, FR 480 C
4134	FS 120, FS 120 R, FS 200, FS 200 R, FS 250, FS 250 R
4134	FS 300, FS 350
4134	HT 250
4135	FR 125, FR 135, FR 145
4137	FC 75
4137	FC 85
4137	FR 85 T, FR 85
4137	FS
4137	FS 75, FS 80, FS 80 R, FS 85, FS 85 R, FS 85 T, FS 85 RX
4137	FS-KM
4137	KA 85 R
4137	KM 85, KM 85 R
4137	KR 85
4138	HT 70, HT 75

4139	HT 56 C
4140	FC 55
4140	FS 38, FS 45, FS 45 C, FS 45 L, FS 46, FS 46 C
4140	FS 55, FS 55 C, FS 55 R, FS 55 RC, FS 55 T
4140	KM 55, KM 55 C, KM 55 R, KM 55 RC
4144	FC 56
4144	FC 70 C
4144	FS 40, FS 40 C, FS 50, FS 50 C
4144	FS 56, FS 56 C, FS 56 R, FS 56 RC
4144	KM 56 C, KM 56 RC
4170	FS 25-4, FS 65-4
4180	FC 100, FC 110
4180	FC 90, FC 95
4180	FR 130 T
4180	FS 100, FS 100 R, FS 100 RX, FS 110, FS 110 R, FS 110 X, FS 110 RX
4180	FS 130, FS 130 R
4180	FS 310
4180	FS 87, FS 87 R
4180	FS 90, FS 90 R
4180	KM 100, KM 100 R, KM 110 R
4180	KM 130, KM 130 R
4180	KM 90, KM 90 R
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4182	HT 100, HT 101
4182	HT 130, HT 131
4182	HT-KM
4183	FT 100
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4201	TS 350 AVE, TS 360
4203	BR 340, BR 340 L, BR 380, BR 420, BR 420 C
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4205	TS 510, TS 760
4211	HS 60, HS 61
4213	HS 242, HS 246
4221	TS 460
4222	BR 106
4223	TS 400
4224	TS 700
4224	TS 800
4226	HS 72, HS 74, HS 76
4226	HS 75, HS 80, HS 85
4227	BG 72
4227	BG 75
4228	HS 45
4229	BG 45, BG 46, BG 55, BG 65, BG 85

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4229	BR 45 C
4229	SH 55, SH 85
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4230	FH-KM, HL-KM
4230	HL 75, HL 75 K
4232	HL 45
4237	HS 81 R, HS 81 RC, HS 81 T, HS 81 TC, HS 86 R, HS 86 T
4238	TS 410, TS 420
4241	BG 56, BG 56 C
4241	BG 66, BG 66 C
4241	BG 86, BG 86 C
4241	SH 56, SH 56 C, SH 86, SH 86 C
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4245	MC 200
4246	SP 451, SP 481
4249	SP 10
4249	SP 90, SP 90 T
4249	SP-KM
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4280	HL 90 K, HL 95, HL 95 K
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4313	BT 120 C
4313	BT 121
4314	BT 45
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4601	KB-KM, KW-KM
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4606	BG-KM
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4706	RE 600 W, RE 630 W
4706	RE 640 W
4707	RE 830 W
4707	RE 840 W
4710	RE 400 K, RE 401 K, RB 400 K
4712	RE 600 W, RE 630 W
4717	RE 220 K, RE 240 K, RB 220 K
4717	RE 250 K, RE 260 K
4718	RE 220 K, RE 240 K, RB 220 K
4719	RE 102 K, RE 104 K, RE 106 K
4721	RE 101 K
4722	RE 310 K, RE 340 K, RE 440 K
4726	RE 140 K, RE 160 K

4728	RE 140 K, RE 160 K
4732	RE 360 K, RE 460 K
4735	RE 520 W, RE 550 W, RE 580 W
4736	RE 660 W, RE 880 W
4737	RE 106 K
4738	RE 116 K, RE 126 K
4739	RE 116 K, RE 126 K
4740	RE 141 K, RE 161 K
4741	RE 141 K, RE 161 K
4743	RE 142, RE 162
4744	RE 142, RE 162
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4748	RE 361, RE 461, RE 471
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4752	RE 661, RE 961
4753	RE 271, RE 281
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4755	RE 107
4756	RE 117, RE 127
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**Chain Saws - Gasoline Chain Saws****017 (1130)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple  
 0000 890 1701 Testing tool kit  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 893 3706 Jaw (profile No. 3.1 and 4)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1111 890 6400 Setting gauge  
 1116 893 4800 Installing tool - Rewinding rewind spring  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1120 893 9100 Clip - Holding big end bearing  
 1123 851 8300 Sleeve - Removing crankshaft  
 1123 855 4200 Flange - Leakage test  
 1123 890 2202 Installing tool - Removing oil pump  
 1123 893 2400 Press sleeve - Installing oil seal(s)  
 1123 893 7500 Support  
 1123 894 7700 Guide - Protecting oil seal (starter side)  
 1128 850 4200 Flange  
 1130 893 4700 Assembly drift - Removing/installing piston pin  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2208 Installing tool, 8  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 0801 Puller - Removing flywheel  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5612 Socket, 19 mm - Releasing and tightening clutch  
 5910 893 8800 Assembly hook

**018 (1130)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate  
 0000 855 9200 Nipple  
 0000 890 1701 Testing tool kit  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 893 3706 Jaw (profile No. 3.1 and 4)  
 0000 893 5903 Locking strip  
 0812 542 2104 Socket, T27x125

**Chain Saws - Gasoline Chain Saws**

1110 141 8600 Hose 135 mm / 5 5/16"  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1116 893 4800 Installing tool - Rewinding rewind spring  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1123 851 8300 Sleeve - Removing crankshaft  
 1123 855 4200 Flange - Leakage test  
 1123 890 2202 Installing tool - Removing oil pump  
 1123 893 2400 Press sleeve - Installing oil seal(s)  
 1123 893 7500 Support  
 1123 894 7700 Guide - Protecting oil seal (starter side)  
 1128 850 4200 Flange  
 1130 893 4700 Assembly drift - Removing/installing piston pin  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2208 Installing tool, 8  
 5910 890 2400 Screwdriver, T27x150  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 0801 Puller - Removing flywheel  
 5910 893 5608 Socket, 13 mm  
 5910 893 5612 Socket, 19 mm - Releasing and tightening clutch  
 5910 893 8800 Assembly hook

**019 T (1132)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate  
 0000 855 9200 Nipple  
 0000 890 1701 Testing tool kit  
 0000 893 3706 Jaw (profile No. 3.1 and 4)  
 0000 893 5903 Locking strip  
 0812 542 2104 Socket, T27x125  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1111 890 6400 Setting gauge  
 1116 893 4800 Installing tool  
 1117 890 0900 Assembly tube - Detaching/attaching brake spring  
 1123 893 2400 Press sleeve  
 1128 850 4200 Flange  
 1130 893 4700 Assembly drift  
 1132 890 1700 Installing tool - Removing/installing oil pump  
 1132 893 7200 Press arbor  
 1132 893 8200 Screw rod  
 1132 893 8700 Thrust piece  
 4133 893 0800 Puller - Releasing flywheel  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8

**Chain Saws - Gasoline Chain Saws**

5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2400 Screwdriver, T27x150  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 4400 Puller  
 5910 893 0501 Stud puller, M8  
 5910 893 5608 Socket, 13 mm - Clutch and flywheel nut  
 5910 893 8800 Assembly hook  
 9008 319 1450 Hexagon head  
    screw M6x60

**020 (1114)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 890 2201 Installing tool  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw  
 0000 893 2600 Clamping strap  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 611 8380 Pliers A19 - Removing/installing external circlips  
 0811 641 8380 Pliers C19  
 1106 890 4510 Puller - for general use  
 1106 890 8700 Ignition timing unit with dial gauge - Adjusting contact breaker  
 1107 191 1200 Locking screw - Blocking the crankshaft  
 1107 894 3000 Feeler pin  
 1108 893 4800 Wooden assembly block  
 1110 890 4500 Puller - Removing flywheel  
 1110 890 8600 Holder  
 1110 893 9200 Groove drift, 1.3 mm - Closing bar rails, bars with 1.3 mm groove  
 1114 893 4700 Assembly drift - Removing/installing piston pin  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 850 5200 Installing tool for Heli-Coil inserts  
 5910 850 5210 Installing tool for Gripp threaded inserts  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 893 5608 Socket, 13 mm  
 5910 893 5615 Socket, 21 mm - for nut (clutch side)

**020 T, 020 (1129)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate  
 0000 855 9200 Nipple  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool



**Chain Saws - Gasoline Chain Saws**

0000 890 3700 Jaw - Removing oil seal(s)  
 0000 893 2600 Clamping strap  
 0000 893 5903 Locking strip  
 0812 542 2041 Socket, T20x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 0812 542 2104 Socket, T27x125  
 1108 893 4800 Wooden assembly block  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1111 890 6400 Setting gauge  
 1114 893 4700 Assembly drift - Removing/installing piston pin  
 1116 893 4800 Installing tool  
 1117 890 0900 Assembly tube  
 1123 855 4200 Flange - Leakage test  
 1124 893 7100 Sleeve  
 1128 850 4200 Flange  
 1129 893 2400 Press sleeve - Installing oil seal and roller bearing in crankcase  
 1129 893 4600 Installing sleeve - Protecting oil seal (ignition side)  
 5910 007 2205 Service tool AS - Separating crankcase halves  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2209 Installing tool, 9 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20  
 5910 890 2302 Screwdriver, T27x150 - Spline socket head screws  
 5910 890 2305 Screwdriver - Adjusting carburetor  
 5910 890 2400 Screwdriver, T27x150  
 5910 890 2420 Screwdriver, Q-SW 8x200  
 5910 890 2800 Assembly hook  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 893 0501 Stud puller, M8  
 5910 893 0801 Puller - Removing flywheel  
 5910 893 5608 Socket, 13 mm  
 5910 893 5613 Socket, S19x12.5L - Spark plug  
 5910 893 6600 Setting disk  
 5910 893 8800 Assembly hook  
 9043 319 8100 Pan head screw M5x50

**021, 023, 025 (1123)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench

**Chain Saws - Gasoline Chain Saws**

1110 141 8600 Hose 135 mm / 5 5/16"  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1111 893 4700 Assembly drift - Removing/installing piston pin  
 1116 893 4800 Installing tool - Rewinding rewind spring  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 850 4200 Flange - Leakage test  
 1120 893 9100 Clip - Holding big end bearing  
 1123 851 8300 Sleeve - Removing crankshaft  
 1123 890 2202 Installing tool - Removing oil pump  
 1123 893 1400 Puller  
 1123 893 1500 Installer  
 1123 893 1501 Installer  
 1123 893 2400 Press sleeve - Installing oil seal(s)  
 1123 893 9100 Clip - Holding big end bearing  
 1123 894 7700 Guide - Protecting oil seal (starter side)  
 1128 850 4200 Flange  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 0801 Puller - Releasing flywheel  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5612 Socket, 19 mm - Releasing and tightening clutch  
 5910 893 8800 Assembly hook - Removing pickup body

**024 (1121)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0811 611 8380 Pliers A19 - Removing/installing external circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1110 890 4500 Puller - Releasing flywheel  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel

**Chain Saws - Gasoline Chain Saws**

1114 893 4700 Assembly drift - Installing piston pin  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 893 3500 Centering tool - Centering generator  
 1118 893 4602 Installing sleeve - Protecting oil seal (clutch side)  
 1118 893 7200 Press arbor - Removing/installing ball bearing in clutch housing  
 1120 893 2400 Press sleeve - Installing oil seal (clutch side)  
 1120 893 7200 Press arbor - Removing crankshaft bearing (clutch side)  
 1121 893 2400 Press sleeve - Installing oil seal (ignition side)  
 1122 025 2200 Plug  
 1128 850 4200 Flange  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2205 Service tool AS - Removing/installing crankshaft  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2305 Screwdriver - Adjusting carburetor  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 2101 Drilled plate  
 5910 893 2409 Screw sleeve - Pulling together crankcase halves  
 5910 893 2421 Screw sleeve - Installing crankshaft  
 5910 893 2804 Socket, 13 mm, long reach - Removing/installing decompression valve  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5613 Socket, S19x12.5L - Releasing and tightening clutch  
 5910 893 8800 Assembly hook - Removing pickup body

**026 (1121)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0811 611 8380 Pliers A19 - Removing/installing external circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"

**Chain Saws - Gasoline Chain Saws**

1110 890 4500 Puller - Releasing flywheel  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1114 893 4700 Assembly drift - Installing piston pin  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 893 3500 Centering tool - Centering generator  
 1118 893 4602 Installing sleeve - Protecting oil seal (clutch side)  
 1118 893 7200 Press arbor - Removing/installing ball bearing in clutch housing  
 1120 893 2400 Press sleeve - Installing oil seal (clutch side)  
 1120 893 7200 Press arbor - Removing crankshaft bearing (clutch side)  
 1121 893 2400 Press sleeve - Installing oil seal (ignition side)  
 1122 025 2200 Plug  
 1128 850 4200 Flange  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2205 Service tool AS - Removing/installing crankshaft  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2305 Screwdriver - Adjusting carburetor  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 2101 Drilled plate  
 5910 893 2409 Screw sleeve - Pulling together crankcase halves  
 5910 893 2421 Screw sleeve - Installing crankshaft  
 5910 893 2804 Socket, 13 mm, long reach - Removing/installing decompression valve  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5613 Socket, S19x12.5L - Releasing and tightening clutch  
 5910 893 8800 Assembly hook - Removing pickup body

**028 (1118)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate  
 0000 855 9200 Nipple  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 890 9100 Dial gauge - Determining T.D.C.  
 0000 893 2600 Clamping strap  
 0000 893 3706 Jaw (profile No. 3.1 and 4)  
 0000 893 5903 Locking strip  
 0811 611 8200 Pliers A10

**Chain Saws - Gasoline Chain Saws**

0812 542 2104 Socket, T27x125  
 1106 890 4200 Clamp  
 1106 894 3000 Feeler pin  
 1107 890 4500 Puller - Centering tool for removing generator  
 1107 894 0800 Puller sleeve  
 1107 894 1000 Thrust piece  
 1108 893 4800 Wooden assembly block  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1110 890 4500 Puller - Removing flywheel  
 1110 893 4700 Assembly drift  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1117 893 7205 Press arbor - Installing oil seal in oil pump  
 1118 893 3500 Centering tool - Centering generator  
 1118 893 4602 Installing sleeve - Protecting oil seal (clutch side)  
 1118 893 7200 Press arbor - Installing crankshaft bearings  
 1128 850 4200 Flange  
 5910 007 2200 Service tool ZS - Removing crankshaft (ignition side)  
 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2210 Installing tool, 10  
 5910 890 2400 Screwdriver, T27x150  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 8500 Tensioning clip  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 2101 Drilled plate  
 5910 893 5608 Socket, 13 mm  
 5910 893 5613 Socket, S19x12.5L - Releasing and tightening clutch  
 5910 893 8800 Assembly hook - Removing pickup body

**029, 039 (1127)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)  
 0000 893 5903 Locking strip  
 0812 542 2104 Socket, T27x125  
 1110 893 4700 Assembly drift - Removing/installing piston pin  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1122 893 4600 Installing sleeve - Fitting oil seal, guiding press sleeve when installing oil pump

**Chain Saws - Gasoline Chain Saws**

1123 855 4200 Flange - Leakage test  
 1127 851 8300 Sleeve - Add-on for test flange 1123 855 4200  
 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1127 893 2400 Press sleeve - Installing oil seals, oil pump  
 1127 893 2602 Clamping strap - Clamping piston rings  
 1128 850 4200 Flange  
 4237 893 4700 Assembly drift - Removing/installing piston pin  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 4500 Puller - Removing limiter cap  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 0801 Puller - Removing flywheel  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5612 Socket, 19 mm  
 5910 893 8800 Assembly hook - Removing pickup body

**034 (1125)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1107 890 4500 Puller - Centering tool for removing generator  
 1107 894 1000 Thrust piece  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1110 890 4500 Puller - Removing flywheel  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 893 2401 Press sleeve - Installing oil seal (clutch side)  
 1118 893 3500 Centering tool - Centering generator  
 1118 893 7200 Press arbor - Installing crankshaft bearings  
 1120 893 7200 Press arbor - Removing crankshaft bearings  
 1121 893 2400 Press sleeve - Installing oil seal (ignition side)  
 1128 850 4200 Flange  
 1130 893 4700 Assembly drift - Removing/installing piston pin

**Chain Saws - Gasoline Chain Saws**

5910 007 2200 Service tool ZS - Removing crankshaft (ignition side)  
 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 2101 Drilled plate  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5612 Socket, 19 mm  
 5910 893 8800 Assembly hook - Removing pickup body

**036 (1125)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1107 890 4500 Puller - Centering tool for removing generator  
 1107 894 0800 Puller sleeve  
 1107 894 1000 Thrust piece  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1110 890 4500 Puller - Removing flywheel  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 893 2401 Press sleeve - Installing oil seal (clutch side)  
 1118 893 3500 Centering tool - Centering generator  
 1118 893 7200 Press arbor - Installing crankshaft bearings  
 1120 893 7200 Press arbor - Removing crankshaft bearings  
 1121 893 2400 Press sleeve - Installing oil seal (ignition side)  
 1128 850 4200 Flange  
 1130 893 4700 Assembly drift - Removing/installing piston pin  
 5910 007 2200 Service tool ZS - Removing crankshaft (ignition side)  
 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8

**Chain Saws - Gasoline Chain Saws**

5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 2101 Drilled plate  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5612 Socket, 19 mm  
 5910 893 8800 Assembly hook - Removing pickup body

**036 QS (1125)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1107 890 4500 Puller - Centering tool for removing generator  
 1107 894 0800 Puller sleeve  
 1107 894 1000 Thrust piece  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1110 890 4500 Puller - Removing flywheel  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 893 2401 Press sleeve - Installing oil seal (clutch side)  
 1118 893 3500 Centering tool - Centering generator  
 1118 893 7200 Press arbor - Installing crankshaft bearings  
 1120 893 7200 Press arbor - Removing crankshaft bearings  
 1121 893 2400 Press sleeve - Installing oil seal (ignition side)  
 1128 850 4200 Flange  
 1130 893 4700 Assembly drift - Removing/installing piston pin  
 5910 007 2200 Service tool ZS - Removing crankshaft (ignition side)  
 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm



**Chain Saws - Gasoline Chain Saws**

- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 3101 Assembly stand - Holding chainsaw for repairs
- 5910 890 4400 Puller - Removing oil seals
- 5910 893 0501 Stud puller, M8 - Removing bar mounting studs
- 5910 893 2101 Drilled plate
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 5612 Socket, 19 mm
- 5910 893 8800 Assembly hook - Removing pickup body

**038 (1119)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 890 2201 Installing tool - Flaring rope guide bushing
- 0000 890 2300 Screwdriver
- 0000 890 3700 Jaw - Removing oil seal(s)
- 0000 890 9100 Dial gauge - Determining T.D.C.
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3700 Jaw  
(profile No. 2) - Removing oil seal(s)
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0811 611 8200 Pliers A10 - Removing/installing external circlips
- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1106 890 4200 Clamp
- 1106 894 3000 Feeler pin
- 1107 890 4500 Puller - Centering tool for removing generator
- 1107 894 0800 Puller sleeve
- 1107 894 1000 Thrust piece
- 1108 893 4700 Assembly drift - Removing/installing piston pin
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1110 890 4500 Puller - Removing flywheel
- 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1117 890 0900 Assembly tube - Attaching brake spring
- 1117 893 7205 Press arbor - Installing oil seal in oil pump
- 1118 893 3500 Centering tool - Centering generator
- 1119 893 2410 Installing sleeve - Protecting oil seal (clutch side)
- 1119 893 7200 Assembly drift - Removing/installing needle sleeve in V-belt pulley
- 1128 850 4200 Flange
- 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate

**Chain Saws - Gasoline Chain Saws**

5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2212 Installing tool, 12 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 8500 Tensioning clip  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 2101 Drilled plate  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5613 Socket, S19x12.5L - Releasing and tightening clutch  
 5910 893 8800 Assembly hook - Removing pickup body

**044 (1128)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1107 890 4500 Puller - Centering tool for removing generator  
 1107 894 0800 Puller sleeve  
 1107 894 1000 Thrust piece  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 890 4500 Puller - Removing flywheel  
 1110 893 4700 Assembly drift - Removing/installing piston pin  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 893 2401 Press sleeve - Installing oil seal (output side)  
 1118 893 3500 Centering tool - Centering generator  
 1120 893 7200 Press arbor - Removing crankshaft bearing (ignition side)  
 1128 850 4200 Flange  
 1128 890 3900 Installing tool - Installing oil seal (ignition side)  
 5910 007 2200 Service tool ZS - Removing crankshaft (ignition side)  
 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

**Chain Saws - Gasoline Chain Saws**

- 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 3101 Assembly stand - Holding chainsaw for repairs
- 5910 893 0501 Stud puller, M8 - Removing bar mounting studs
- 5910 893 2101 Drilled plate
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 5612 Socket, 19 mm
- 5910 893 8800 Assembly hook - Removing pickup body

**045 (1115)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 890 2201 Installing tool - Flaring rope guide bushing
- 0000 890 2300 Screwdriver
- 0000 890 3700 Jaw - Removing oil seal(s)
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0811 611 8200 Pliers A10
- 0811 611 8380 Pliers A19 - Removing/installing external circlips
- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 1106 890 4510 Puller - for general use
- 1106 890 8700 Ignition timing unit with dial gauge - Adjusting contact breaker
- 1106 893 9200 Groove drift, 1.6 mm - Closing bar rails, bars with 1.6 mm groove
- 1107 191 1200 Locking screw - Blocking the crankshaft
- 1107 894 3000 Feeler pin
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 890 8600 Holder
- 1110 893 2400 Press sleeve - Installing condenser
- 1111 893 4700 Assembly drift
- 1115 893 1300 Wrench - Releasing and tightening clutch
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 850 5200 Installing tool for Heli-Coil inserts
- 5910 850 5210 Installing tool for Gripp threaded inserts
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 3101 Assembly stand - Holding chainsaw for repairs
- 5910 893 2101 Drilled plate

**046 (1128)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 890 2300 Screwdriver
- 0000 890 3700 Jaw - Removing oil seal(s)
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)

**Chain Saws - Gasoline Chain Saws**

0000 893 5903 Locking strip - Blocking the crankshaft  
 0000 963 1008 Bushing - Add-on for test flange 1106 850 4201 and 1119 850 4201  
 0811 611 8380 Pliers A19 - Removing/installing external circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1110 890 4500 Puller - Removing flywheel  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1111 893 4700 Assembly drift - Removing/installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (starter side)  
 1116 893 4800 Installing tool - Rewinding rewind spring  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 893 2401 Press sleeve - Protecting oil seal (clutch side)  
 1118 893 4602 Installing sleeve - Installing oil seal (clutch side)  
 1118 893 7200 Press arbor - Removing/installing ball bearing (clutch side)  
 1120 893 7200 Press arbor - Removing/installing ball bearing (starter side)  
 1122 025 2200 Plug  
 1128 850 4200 Flange  
 5910 007 2200 Service tool ZS - Removing crankshaft (starter side)  
 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 1800 Screw sleeve  
 5910 890 2212 Installing tool, 12 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 2101 Drilled plate  
 5910 893 2409 Screw sleeve - Pulling together crankcase halves  
 5910 893 2420 Screw sleeve - Installing crankshaft  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5613 Socket, S19x12.5L - Releasing and tightening clutch  
 5910 893 8505 Spindle ZS  
 5910 893 8800 Assembly hook - Removing pickup body

**056 (1115)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 611 8380 Pliers A19 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips

**Chain Saws - Gasoline Chain Saws**

1106 890 4510 Puller - for general use  
 1106 890 8700 Ignition timing unit with dial gauge - Adjusting contact breaker  
 1106 893 9200 Groove drift, 1.6 mm - Closing bar rails, bars with 1.6 mm groove  
 1107 191 1200 Locking screw - Blocking the crankshaft  
 1107 894 3000 Feeler pin  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 890 8600 Holder  
 1110 893 2400 Press sleeve - Installing condenser  
 1111 893 4700 Assembly drift  
 1115 893 1300 Wrench - Releasing and tightening clutch  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 850 5200 Installing tool for Heli-Coil inserts  
 5910 850 5210 Installing tool for Gripp threaded inserts  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 893 2101 Drilled plate

**064 (1122)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1107 890 4500 Puller - Centering tool for removing generator  
 1107 894 0800 Puller sleeve  
 1107 894 1000 Thrust piece  
 1108 893 4700 Assembly drift - Removing/installing piston pin  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1110 890 4500 Puller - Removing flywheel  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 893 3500 Centering tool - Centering generator  
 1119 893 7200 Assembly drift - Removing/installing needle sleeve in V-belt pulley  
 1128 890 3900 Installing tool - Installing oil seal (ignition side)  
 5910 007 2200 Service tool ZS - Removing crankshaft (ignition side)  
 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8

**Chain Saws - Gasoline Chain Saws**

5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 2212 Installing tool, 12 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 2101 Drilled plate  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5612 Socket, 19 mm  
 5910 893 8800 Assembly hook

**066 (1122)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1106 890 4501 Puller - Removing flywheel  
 1107 890 4500 Puller - Centering tool for removing generator  
 1107 894 0800 Puller sleeve  
 1107 894 1000 Thrust piece  
 1108 893 4700 Assembly drift - Removing/installing piston pin  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 893 3500 Centering tool - Centering generator  
 1119 893 7200 Assembly drift - Removing/installing needle sleeve in V-belt pulley  
 1128 890 3900 Installing tool - Installing oil seal (ignition side)  
 4237 893 4700 Assembly drift - Removing/installing piston pin  
 5910 007 2200 Service tool ZS - Removing crankshaft (ignition side)  
 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 2212 Installing tool, 12 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 4500 Puller - Removing limiter cap  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 2101 Drilled plate

**Chain Saws - Gasoline Chain Saws**

- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 5612 Socket, 19 mm
- 5910 893 8800 Assembly hook - Removing pickup body

**088 (1124)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 1106 850 4201 Flange - Leakage test
- 1106 890 4501 Puller - Removing flywheel
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1111 893 4700 Assembly drift - Removing/installing piston pin
- 1117 890 0900 Assembly tube - Attaching brake spring
- 1122 025 2200 Plug
- 1124 850 4205 Flange - Sealing exhaust port
- 1124 893 4600 Installing sleeve - Protecting oil seal (clutch side)
- 1124 893 5100 Installing plate - Installing oil seal in oil pump
- 1124 893 5200 Base - For oil pump housing
- 1124 893 7200 Press arbor - Removing/installing ball bearing (clutch side)
- 1127 851 8300 Sleeve
- 1127 893 2400 Press sleeve - Installing oil seals (starter/clutch sides)
- 5910 007 2200 Service tool ZS - Removing crankshaft (starter side)
- 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 1800 Screw sleeve
- 5910 890 2213 Installing tool, 13 - Installing hookless snap rings in piston
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 3101 Assembly stand - Holding chainsaw for repairs
- 5910 890 4400 Puller - Removing oil seals
- 5910 893 0506 Stud puller, M10 - Removing bar mounting studs
- 5910 893 2101 Drilled plate
- 5910 893 2406 Screw sleeve
- 5910 893 2408 Screw sleeve - Pulling together crankcase halves
- 5910 893 2421 Screw sleeve - Installing crankshaft
- 5910 893 5100 Installing plate - Installing rewind spring
- 5910 893 5608 Socket, 13 mm - Removing/installing decompression valve
- 5910 893 5610 Socket, 17 mm - Flywheel nut
- 5910 893 5615 Socket, 21 mm - Releasing and tightening clutch
- 5910 893 8505 Spindle ZS

**Chain Saws - Gasoline Chain Saws**

5910 893 8800 Assembly hook - Removing pickup body

**090, 090 G (1106, 1109)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 890 9100 Dial gauge - Determining T.D.C.  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3700 Jaw  
     (profile No. 2) - Removing oil seal(s)  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0816 630 1452 Pliers C12 - Removing/installing internal circlips  
 1106 850 4201 Flange - Leakage test  
 1106 890 4200 Clamp  
 1106 890 4501 Puller - Removing flywheel  
 1106 893 1310 Wrench - Removing/installing decompression valve  
 1106 893 4600 Installing sleeve - Installing oil seals  
 1106 893 4700 Assembly drift - Removing/installing piston pin  
 1106 894 3005 Feeler pin  
 1107 191 1200 Locking screw - Blocking the crankshaft  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 890 4510 Puller - Removing condenser  
 1110 893 2400 Press sleeve - Installing condenser  
 1113 893 4600 Press sleeve - Removing ball bearings  
 1119 893 7200 Assembly drift - Installing needle sleeves  
 5910 850 2100 Clamping plate  
 5910 890 0102 Socket, 5 mm - Tightening cylinder base screws  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 893 0506 Stud puller, M10 - Removing bar mounting studs  
 5910 893 0515 Stud puller, M6 - Removing carburetor/muffler mounting studs  
 5910 893 5610 Socket, 17 mm - Crankshaft nut

**MS 170, MS 170 C (1130)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench



**Chain Saws - Gasoline Chain Saws**

1110 141 8600 Hose 135 mm / 5 5/16"  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1116 893 4800 Installing tool - Rewinding rewind spring  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1123 851 8300 Sleeve - Removing crankshaft  
 1123 855 4200 Flange - Leakage test  
 1123 890 2202 Installing tool - Removing oil pump  
 1123 893 2400 Press sleeve - Installing oil seal(s)  
 1123 893 7500 Support  
 1123 894 7700 Guide - Protecting oil seal (starter side)  
 1128 850 4200 Flange  
 1130 893 1400 Puller  
 1130 893 1500 Installer  
 1130 893 4700 Assembly drift - Removing/installing piston pin  
 3110 003 0044 Chain without cutters 3/8" P 1.1  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 0801 Puller - Removing flywheel  
 5910 893 1708 Sleeve  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5612 Socket, 19 mm - Releasing and tightening clutch  
 5910 893 8800 Assembly hook - Removing pickup body

**MS 171 (1139)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)  
 0000 893 5904 Locking strip - Blocking the crankshaft  
 0811 611 8380 Pliers A19 - Removing/installing external circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1110 893 4700 Assembly drift - Removing/installing piston pin  
 1116 893 4800 Installing tool - Rewinding rewind spring  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 893 4602 Installing sleeve - Protecting oil seal (clutch side)  
 1123 855 4200 Flange - Sealing exhaust port  
 1123 890 2202 Installing tool - Removing oil pump

**Chain Saws - Gasoline Chain Saws**

1123 893 2400 Press sleeve - Installing oil seal(s)  
 1123 893 7500 Support  
 1139 893 2500 Flange - Testing crankcase and carburetor for leaks  
 3110 003 0044 Chain without cutters 3/8" P 1.1  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 1650 Support - Clamping power tool to assembly stand  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2304 Screwdriver - Adjusting carburetor  
 5910 890 2305 Screwdriver - Adjusting carburetor  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4500 Puller - Removing limiter cap  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 0801 Puller - Releasing flywheel  
 5910 893 1707 Sleeve - Installing hookless snap rings in piston  
 5910 893 2804 Socket, 13 mm, long reach - Flywheel nut  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5613 Socket, S19x12.5L - Releasing and tightening clutch  
 5910 893 6600 Setting disk - Add-on for screwdriver  
 (adjusting carburetor)  
 5910 893 8800 Assembly hook - Removing pickup body

**MS 180, MS 180 C (1130)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1116 893 4800 Installing tool - Rewinding rewind spring  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1123 851 8300 Sleeve - Removing crankshaft  
 1123 855 4200 Flange - Leakage test  
 1123 890 2202 Installing tool - Removing oil pump  
 1123 893 2400 Press sleeve - Installing oil seal(s)

**Chain Saws - Gasoline Chain Saws**

1123 893 7500 Support  
 1123 894 7700 Guide - Protecting oil seal (starter side)  
 1128 850 4200 Flange  
 1130 893 1400 Puller  
 1130 893 1500 Installer  
 1130 893 4700 Assembly drift - Removing/installing piston pin  
 3110 003 0044 Chain without cutters 3/8" P 1.1  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 0801 Puller - Removing flywheel  
 5910 893 1708 Sleeve  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5612 Socket, 19 mm - Releasing and tightening clutch  
 5910 893 8800 Assembly hook - Removing pickup body

**MS 181, MS 181 C (1139)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)  
 0000 893 5904 Locking strip - Blocking the crankshaft  
 0811 611 8380 Pliers A19 - Removing/installing external circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1110 893 4700 Assembly drift - Removing/installing piston pin  
 1116 893 4800 Installing tool - Rewinding rewind spring  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 893 4602 Installing sleeve - Protecting oil seal (clutch side)  
 1123 855 4200 Flange - Sealing exhaust port  
 1123 890 2202 Installing tool - Removing oil pump  
 1123 893 2400 Press sleeve - Installing oil seal(s)  
 1123 893 7500 Support  
 1139 893 2500 Flange - Testing crankcase and carburetor for leaks  
 3110 003 0044 Chain without cutters 3/8" P 1.1  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 1650 Support - Clamping power tool to assembly stand  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system

**Chain Saws - Gasoline Chain Saws**

5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2304 Screwdriver - Adjusting carburetor  
 5910 890 2305 Screwdriver - Adjusting carburetor  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4500 Puller - Removing limiter cap  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 0801 Puller - Releasing flywheel  
 5910 893 1707 Sleeve - Installing hookless snap rings in piston  
 5910 893 2804 Socket, 13 mm, long reach - Flywheel nut  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5613 Socket, S19x12.5L - Releasing and tightening clutch  
 5910 893 6600 Setting disk - Add-on for screwdriver  
 (adjusting carburetor)  
 5910 893 8800 Assembly hook - Removing pickup body

**MS 190 T (1132)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1116 893 4800 Installing tool - Rewinding rewind spring  
 1117 890 0900 Assembly tube - Detaching/attaching brake spring  
 1123 893 2400 Press sleeve - Installing oil seal(s)  
 1128 850 4200 Flange  
 1130 893 4700 Assembly drift - Removing/installing piston pin  
 1132 890 1700 Installing tool - Removing/installing oil pump  
 1132 893 7200 Press arbor  
 1132 893 8200 Screw rod  
 1132 893 8700 Thrust piece  
 3110 003 0044 Chain without cutters 3/8" P 1.1  
 4133 893 0800 Puller - Releasing flywheel  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

**Chain Saws - Gasoline Chain Saws**

5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 5608 Socket, 13 mm - Clutch and flywheel nut  
 5910 893 8800 Assembly hook - Removing pickup body  
 9008 319 1450 Hexagon head  
    screw M6x60

**MS 191 T (1132)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1116 893 4800 Installing tool - Rewinding rewind spring  
 1117 890 0900 Assembly tube - Detaching/attaching brake spring  
 1123 893 2400 Press sleeve - Installing oil seal(s)  
 1128 850 4200 Flange  
 1130 893 4700 Assembly drift - Removing/installing piston pin  
 1132 890 1700 Installing tool - Removing/installing oil pump  
 1132 893 7200 Press arbor  
 1132 893 8200 Screw rod  
 1132 893 8700 Thrust piece  
 3110 003 0044 Chain without cutters 3/8" P 1.1  
 4133 893 0800 Puller - Releasing flywheel  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 5608 Socket, 13 mm - Clutch and flywheel nut  
 5910 893 6600 Setting disk  
 5910 893 8800 Assembly hook - Removing pickup body  
 9008 319 1450 Hexagon head  
    screw M6x60

**Chain Saws - Gasoline Chain Saws****MS 192 C (1137)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 890 2201 Installing tool - Flaring rope guide bushing
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5904 Locking strip
- 0812 542 2041 Socket, T20x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1114 893 4700 Assembly drift - Removing/installing clutch drum
- 1117 890 0900 Assembly tube - Attaching brake spring
- 1137 893 2600 Clamping strap - Clamping piston rings
- 3110 003 0044 Chain without cutters 3/8" P 1.1
- 4112 893 2401 Press sleeve - Installing oil seal in input housing
- 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston
- 5910 890 2301 Screwdriver, T20 - Spline socket head screws
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 3101 Assembly stand - Holding chainsaw for repairs
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 4501 Puller - Removing limiter cap
- 5910 893 0501 Stud puller, M8 - Removing bar mounting studs
- 5910 893 0801 Puller - Releasing flywheel
- 5910 893 5608 Socket, 13 mm - Crankshaft nut
- 5910 893 8800 Assembly hook - Removing pickup body

**MS 192 T, MS 192 TC (1137)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 890 2201 Installing tool - Flaring rope guide bushing
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0812 542 2041 Socket, T20x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench

**Chain Saws - Gasoline Chain Saws**

1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Removing/installing clutch drum  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1128 850 4200 Flange  
 1137 893 2600 Clamping strap - Clamping piston rings  
 3110 003 0044 Chain without cutters 3/8" P 1.1  
 4112 893 2401 Press sleeve - Installing oil seal in input housing  
 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Spline socket head screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4501 Puller - Removing limiter cap  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 0801 Puller - Releasing flywheel  
 5910 893 5608 Socket, 13 mm - Crankshaft nut  
 5910 893 8800 Assembly hook - Removing pickup body

**MS 200 T, MS 200 (1129)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2041 Socket, T20x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1114 893 4700 Assembly drift - Removing/installing piston pin  
 1116 893 4800 Installing tool - Rewinding rewind spring  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1123 855 4200 Flange - Leakage test  
 1124 893 7100 Sleeve  
 1128 850 4200 Flange

**Chain Saws - Gasoline Chain Saws**

1129 893 2400 Press sleeve - Installing oil seal and roller bearing in crankcase  
 1129 893 4600 Installing sleeve - Protecting oil seal (ignition side)  
 3110 003 0044 Chain without cutters 3/8" P 1.1  
 5910 007 2205 Service tool AS - Separating crankcase halves  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2209 Installing tool, 9 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Spline socket head screws  
 5910 890 2302 Screwdriver, T27x150 - Spline socket head screws  
 5910 890 2305 Screwdriver - Adjusting carburetor  
 5910 890 2400 Screwdriver, T27x150  
 5910 890 2420 Screwdriver, Q-SW 8x200  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 0801 Puller - Removing flywheel  
 5910 893 5608 Socket, 13 mm - Clutch and flywheel nut  
 5910 893 5613 Socket, S19x12.5L - Spark plug  
 5910 893 6600 Setting disk  
 5910 893 8800 Assembly hook - Removing pickup body  
 9043 319 8100 Pan head screw M5x50

**MS 210, MS 210 C (1123)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1111 893 4700 Assembly drift - Removing/installing piston pin  
 1116 893 4800 Installing tool - Rewinding rewind spring  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 850 4200 Flange - Leakage test  
 1123 851 8300 Sleeve - Removing crankshaft  
 1123 890 2202 Installing tool - Removing oil pump  
 1123 893 1500 Installer  
 1123 893 1501 Installer  
 1123 893 2400 Press sleeve - Installing oil seal(s)  
 1123 893 9100 Clip - Holding big end bearing  
 1123 894 7700 Guide - Protecting oil seal (starter side)  
 1124 893 7100 Sleeve



**Chain Saws - Gasoline Chain Saws**

1128 850 4200 Flange  
 3110 003 0044 Chain without cutters 3/8" P 1.1  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 0801 Puller - Releasing flywheel  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5612 Socket, 19 mm - Releasing and tightening clutch  
 5910 893 8800 Assembly hook - Removing pickup body

**MS 211, MS 211 C (1139)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)  
 0000 893 5904 Locking strip - Blocking the crankshaft  
 0811 611 8380 Pliers A19 - Removing/installing external circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1110 893 4700 Assembly drift - Removing/installing piston pin  
 1116 893 4800 Installing tool - Rewinding rewind spring  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 893 4602 Installing sleeve - Protecting oil seal (clutch side)  
 1123 855 4200 Flange - Sealing exhaust port  
 1123 890 2202 Installing tool - Removing oil pump  
 1123 893 2400 Press sleeve - Installing oil seal(s)  
 1123 893 7500 Support  
 1139 893 2500 Flange - Testing crankcase and carburetor for leaks  
 3110 003 0044 Chain without cutters 3/8" P 1.1  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 1650 Support - Clamping power tool to assembly stand  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

**Chain Saws - Gasoline Chain Saws**

- 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston
- 5910 890 2304 Screwdriver - Adjusting carburetor
- 5910 890 2305 Screwdriver - Adjusting carburetor
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 3101 Assembly stand
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 4500 Puller - Removing limiter cap
- 5910 893 0501 Stud puller, M8 - Removing bar mounting studs
- 5910 893 0801 Puller - Releasing flywheel
- 5910 893 1707 Sleeve - Installing hookless snap rings in piston
- 5910 893 2804 Socket, 13 mm, long reach - Flywheel nut
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 5613 Socket, S19x12.5L - Releasing and tightening clutch
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8800 Assembly hook - Removing pickup body

**MS 230, MS 230 C (1123)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1111 893 4700 Assembly drift - Removing/installing piston pin
- 1116 893 4800 Installing tool - Rewinding rewind spring
- 1117 890 0900 Assembly tube - Attaching brake spring
- 1118 850 4200 Flange - Leakage test
- 1123 851 8300 Sleeve - Removing crankshaft
- 1123 890 2202 Installing tool - Removing oil pump
- 1123 893 1400 Puller
- 1123 893 1500 Installer
- 1123 893 1501 Installer
- 1123 893 2400 Press sleeve - Installing oil seal(s)
- 1123 893 9100 Clip - Holding big end bearing
- 1123 894 7700 Guide - Protecting oil seal (starter side)
- 1124 893 7100 Sleeve
- 1128 850 4200 Flange
- 3110 003 0044 Chain without cutters 3/8" P 1.1
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

**Chain Saws - Gasoline Chain Saws**

- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 3101 Assembly stand - Holding chainsaw for repairs
- 5910 890 4400 Puller - Removing oil seals
- 5910 893 0501 Stud puller, M8 - Removing bar mounting studs
- 5910 893 0801 Puller - Releasing flywheel
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 5612 Socket, 19 mm - Releasing and tightening clutch
- 5910 893 8800 Assembly hook - Removing pickup body

**MS 240 (1121)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 890 2201 Installing tool - Flaring rope guide bushing
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0811 611 8380 Pliers A19 - Removing/installing external circlips
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1110 890 4500 Puller - Releasing flywheel
- 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1114 893 4700 Assembly drift - Installing piston pin
- 1117 890 0900 Assembly tube - Attaching brake spring
- 1118 893 3500 Centering tool - Centering generator
- 1118 893 4602 Installing sleeve - Protecting oil seal (clutch side)
- 1118 893 7200 Press arbor - Removing/installing ball bearing in clutch housing
- 1120 893 2400 Press sleeve - Installing oil seal (clutch side)
- 1120 893 7200 Press arbor - Removing crankshaft bearing (clutch side)
- 1121 893 2400 Press sleeve - Installing oil seal (ignition side)
- 1122 025 2200 Plug
- 1128 850 4200 Flange
- 3111 003 0062 Chain without cutters .325" 1.3
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2205 Service tool AS - Removing/installing crankshaft
- 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston

**Chain Saws - Gasoline Chain Saws**

- 5910 890 2304 Screwdriver - Adjusting carburetor
- 5910 890 2305 Screwdriver - Adjusting carburetor
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 3101 Assembly stand - Holding chainsaw for repairs
- 5910 890 4400 Puller - Removing oil seals
- 5910 893 0501 Stud puller, M8 - Removing bar mounting studs
- 5910 893 2101 Drilled plate
- 5910 893 2409 Screw sleeve - Pulling together crankcase halves
- 5910 893 2421 Screw sleeve - Installing crankshaft
- 5910 893 2804 Socket, 13 mm, long reach - Removing/installing decompression valve
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 5613 Socket, S19x12.5L - Releasing and tightening clutch
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8800 Assembly hook - Removing pickup body

**MS 250, MS 250 C (1123)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1111 893 4700 Assembly drift - Removing/installing piston pin
- 1116 893 4800 Installing tool - Rewinding rewind spring
- 1117 890 0900 Assembly tube - Attaching brake spring
- 1118 850 4200 Flange - Leakage test
- 1123 851 8300 Sleeve - Removing crankshaft
- 1123 890 2202 Installing tool - Removing oil pump
- 1123 893 1400 Puller
- 1123 893 1500 Installer
- 1123 893 1501 Installer
- 1123 893 2400 Press sleeve - Installing oil seal(s)
- 1123 893 9100 Clip - Holding big end bearing
- 1123 894 7700 Guide - Protecting oil seal (starter side)
- 1124 893 7100 Sleeve
- 1128 850 4200 Flange
- 3110 003 0044 Chain without cutters 3/8" P 1.1
- 3111 003 0062 Chain without cutters .325" 1.3
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

**Chain Saws - Gasoline Chain Saws**

- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 3101 Assembly stand - Holding chainsaw for repairs
- 5910 890 4400 Puller - Removing oil seals
- 5910 893 0501 Stud puller, M8 - Removing bar mounting studs
- 5910 893 0801 Puller - Releasing flywheel
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 5612 Socket, 19 mm - Releasing and tightening clutch
- 5910 893 8800 Assembly hook - Removing pickup body

**MS 260, MS 260 C (1121)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 890 2201 Installing tool - Flaring rope guide bushing
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0811 611 8380 Pliers A19 - Removing/installing external circlips
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1110 890 4500 Puller - Releasing flywheel
- 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1114 893 4700 Assembly drift - Installing piston pin
- 1117 890 0900 Assembly tube - Attaching brake spring
- 1118 893 3500 Centering tool - Centering generator
- 1118 893 4602 Installing sleeve - Protecting oil seal (clutch side)
- 1118 893 7200 Press arbor - Removing/installing ball bearing in clutch housing
- 1120 893 2400 Press sleeve - Installing oil seal (clutch side)
- 1120 893 7200 Press arbor - Removing crankshaft bearing (clutch side)
- 1121 893 2400 Press sleeve - Installing oil seal (ignition side)
- 1122 025 2200 Plug
- 1128 850 4200 Flange
- 3111 003 0062 Chain without cutters .325" 1.3
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2205 Service tool AS - Removing/installing crankshaft
- 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston

**Chain Saws - Gasoline Chain Saws**

- 5910 890 2304 Screwdriver - Adjusting carburetor
- 5910 890 2305 Screwdriver - Adjusting carburetor
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 3101 Assembly stand - Holding chainsaw for repairs
- 5910 890 4400 Puller - Removing oil seals
- 5910 893 0501 Stud puller, M8 - Removing bar mounting studs
- 5910 893 2101 Drilled plate
- 5910 893 2409 Screw sleeve - Pulling together crankcase halves
- 5910 893 2421 Screw sleeve - Installing crankshaft
- 5910 893 2804 Socket, 13 mm, long reach - Removing/installing decompression valve
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 5613 Socket, S19x12.5L - Releasing and tightening clutch
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8800 Assembly hook - Removing pickup body

**MS 261, MS 261 C (1141)**

- 1141 893 2400 Press sleeve - Installing oil seal (ignition side)
- 1141 893 4600 Installing sleeve - Protecting oil seal
- 3111 003 0062 Chain without cutters .325" 1.3
- 5910 855 4201 Flange
- 5910 890 2306 Screwdriver - Adjusting carburetor
- 5910 890 4502 Puller
- 5910 893 9600 Collar screw

**MS 270, MS 270 C, MS 280, MS 280 C (1133)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 890 2201 Installing tool - Flaring rope guide bushing
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 1108 893 2405 Press sleeve - Installing oil seal (starter side)
- 1108 893 4700 Assembly drift - Removing/installing piston pin
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks
- 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1117 890 0900 Assembly tube - Detaching/attaching brake spring
- 1118 893 4602 Installing sleeve - Installing oil seal (clutch side)
- 1119 850 4201 Test flange - Leakage test
- 3111 003 0062 Chain without cutters .325" 1.3
- 4237 893 4700 Assembly drift - Removing/installing piston pin
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

**Chain Saws - Gasoline Chain Saws**

- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston
- 5910 890 2304 Screwdriver - Adjusting carburetor
- 5910 890 3101 Assembly stand - Holding chainsaw for repairs
- 5910 890 4500 Puller - Removing limiter cap
- 5910 893 0501 Stud puller, M8 - Removing bar mounting studs
- 5910 893 0801 Puller - Removing flywheel
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8800 Assembly hook - Removing pickup body

**MS 290, MS 310, MS 390 (1127)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 890 1701 Testing tool kit
- 0000 890 2201 Installing tool - Flaring rope guide bushing
- 0000 890 2300 Screwdriver
- 0000 890 3700 Jaw - Removing oil seal(s)
- 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1110 893 4700 Assembly drift - Removing/installing piston pin
- 1117 890 0900 Assembly tube - Attaching brake spring
- 1122 893 4600 Installing sleeve - Fitting oil seal, guiding press sleeve when installing oil pump
- 1123 855 4200 Flange - Leakage test
- 1127 851 8300 Sleeve - Add-on for test flange 1123 855 4200
- 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1127 893 2400 Press sleeve - Installing oil seals, oil pump
- 1127 893 2602 Clamping strap - Clamping piston rings
- 1128 850 4200 Flange
- 3111 003 0062 Chain without cutters .325" 1.3
- 3112 003 0066 Chain without cutters 3/8" 1.6
- 4237 893 4700 Assembly drift - Removing/installing piston pin
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston
- 5910 890 2304 Screwdriver - Adjusting carburetor
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 3101 Assembly stand - Holding chainsaw for repairs
- 5910 890 4500 Puller - Removing limiter cap
- 5910 893 0501 Stud puller, M8 - Removing bar mounting studs
- 5910 893 0801 Puller - Removing flywheel

**Chain Saws - Gasoline Chain Saws**

- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 5612 Socket, 19 mm
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8800 Assembly hook - Removing pickup body

**MS 311, MS 391 (1140)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8107 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 2201 Installing tool - Flaring rope guide bushing
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0811 611 8380 Pliers A19 - Removing/installing external circlips
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4700 Assembly drift - Removing/installing piston pin
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks
- 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1117 890 0900 Assembly tube - Attaching brake spring
- 1122 025 2200 Plug
- 1122 893 2405 Press sleeve - Installing oil seal
- 1122 893 4600 Installing sleeve - Protecting oil seal (clutch side)
- 1129 890 3401 Combination wrench
- 1135 890 4500 Puller - Removing flywheel
- 1140 890 1200 Flange - Leakage test
- 3112 003 0066 Chain without cutters 3/8" 1.6
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2212 Installing tool, 12 - Installing hookless snap rings in piston
- 5910 890 2304 Screwdriver - Adjusting carburetor
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 3101 Assembly stand - Holding chainsaw for repairs
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 4500 Puller - Removing limiter cap
- 5910 893 0501 Stud puller, M8 - Removing bar mounting studs
- 5910 893 2804 Socket, 13 mm, long reach - Flywheel nut
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8800 Assembly hook - Removing pickup body

**MS 340 (1125)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks



**Chain Saws - Gasoline Chain Saws**

0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1107 890 4500 Puller - Centering tool for removing generator  
 1107 894 0800 Puller sleeve  
 1107 894 1000 Thrust piece  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1110 890 4500 Puller - Removing flywheel  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 893 2401 Press sleeve - Installing oil seal (clutch side)  
 1118 893 3500 Centering tool - Centering generator  
 1118 893 7200 Press arbor - Installing crankshaft bearings  
 1120 893 7200 Press arbor - Removing crankshaft bearings  
 1121 893 2400 Press sleeve - Installing oil seal (ignition side)  
 1128 850 4200 Flange  
 1130 893 4700 Assembly drift - Removing/installing piston pin  
 3112 003 0066 Chain without cutters 3/8" 1.6  
 5910 007 2200 Service tool ZS - Removing crankshaft (ignition side)  
 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 2101 Drilled plate  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5612 Socket, 19 mm  
 5910 893 8800 Assembly hook - Removing pickup body

**MS 341 (1135)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 893 2600 Clamping strap - Clamping piston rings

**Chain Saws - Gasoline Chain Saws**

- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)
- 0000 893 4700 Assembly drift - Removing/installing piston pin
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0811 611 8380 Pliers A19 - Removing/installing external circlips
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks
- 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1116 893 4800 Installing tool - Rewinding rewind spring
- 1117 890 0900 Assembly tube - Detaching/attaching brake spring
- 1118 893 2401 Press sleeve - Installing oil seal (clutch side)
- 1118 893 4602 Installing sleeve - Protecting oil seal (clutch side)
- 1118 893 7200 Press arbor - Removing/installing ball bearing (clutch side)
- 1122 025 2200 Plug
- 1122 893 2405 Press sleeve - Installing oil seal (starter side)
- 1122 893 7200 Assembly drift - Removing/installing ball bearing (ignition side)
- 1128 850 4200 Flange
- 1135 890 4500 Puller - Removing flywheel
- 3112 003 0066 Chain without cutters 3/8" 1.6
- 5910 007 2200 Service tool ZS - Removing crankshaft (starter side)
- 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 1800 Screw sleeve
- 5910 890 2211 Installing tool, 11 - Installing hookless snap rings in piston
- 5910 890 2304 Screwdriver - Adjusting carburetor
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 3101 Assembly stand - Holding chainsaw for repairs
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 4500 Puller - Removing limiter cap
- 5910 893 0501 Stud puller, M8 - Removing bar mounting studs
- 5910 893 2101 Drilled plate
- 5910 893 2409 Screw sleeve - Pulling together crankcase halves
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 5613 Socket, S19x12.5L - Releasing and tightening clutch
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8505 Spindle ZS
- 5910 893 8800 Assembly hook - Removing pickup body

**Chain Saws - Gasoline Chain Saws****MS 360 (1125)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1107 890 4500 Puller - Centering tool for removing generator  
 1107 894 0800 Puller sleeve  
 1107 894 1000 Thrust piece  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1110 890 4500 Puller - Removing flywheel  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 893 2401 Press sleeve - Installing oil seal (clutch side)  
 1118 893 3500 Centering tool - Centering generator  
 1118 893 7200 Press arbor - Installing crankshaft bearings  
 1120 893 7200 Press arbor - Removing crankshaft bearings  
 1121 893 2400 Press sleeve - Installing oil seal (ignition side)  
 1128 850 4200 Flange  
 1130 893 4700 Assembly drift - Removing/installing piston pin  
 3112 003 0066 Chain without cutters 3/8" 1.6  
 5910 007 2200 Service tool ZS - Removing crankshaft (ignition side)  
 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 2101 Drilled plate  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5612 Socket, 19 mm  
 5910 893 8800 Assembly hook - Removing pickup body

**MS 360 C (1125)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port

**Chain Saws - Gasoline Chain Saws**

0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1107 890 4500 Puller - Centering tool for removing generator  
 1107 894 0800 Puller sleeve  
 1107 894 1000 Thrust piece  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1110 890 4500 Puller - Removing flywheel  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 893 2401 Press sleeve - Installing oil seal (clutch side)  
 1118 893 3500 Centering tool - Centering generator  
 1118 893 7200 Press arbor - Installing crankshaft bearings  
 1120 893 7200 Press arbor - Removing crankshaft bearings  
 1121 893 2400 Press sleeve - Installing oil seal (ignition side)  
 1128 850 4200 Flange  
 1130 893 4700 Assembly drift - Removing/installing piston pin  
 3112 003 0066 Chain without cutters 3/8" 1.6  
 5910 007 2200 Service tool ZS - Removing crankshaft (ignition side)  
 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 2101 Drilled plate  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5612 Socket, 19 mm  
 5910 893 8800 Assembly hook - Removing pickup body

**MS 361, MS 361 C (1135)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing

**Chain Saws - Gasoline Chain Saws**

0000 893 2600	Clamping strap - Clamping piston rings
0000 893 3706	Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
0000 893 3711	Jaw (profile No. 6) - Removing oil seal(s)
0000 893 4700	Assembly drift - Removing/installing piston pin
0000 893 5903	Locking strip - Blocking the crankshaft
0811 611 8380	Pliers A19 - Removing/installing external circlips
0812 542 2104	Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
1108 893 4800	Wooden assembly block - Fitting piston
1110 141 8600	Hose 135 mm / 5 5/16" - Testing carburetor for leaks
1111 890 6400	Setting gauge - Setting air gap between ignition module and flywheel
1116 893 4800	Installing tool - Rewinding rewind spring
1117 890 0900	Assembly tube - Detaching/attaching brake spring
1118 893 2401	Press sleeve - Installing oil seal (clutch side)
1118 893 4602	Installing sleeve - Protecting oil seal (clutch side)
1118 893 7200	Press arbor - Removing/installing ball bearing (clutch side)
1122 025 2200	Plug
1122 893 2405	Press sleeve - Installing oil seal (starter side)
1122 893 7200	Assembly drift - Removing/installing ball bearing (ignition side)
1128 850 4200	Flange
1135 890 4500	Puller - Removing flywheel
3112 003 0066	Chain without cutters 3/8" 1.6
5910 007 2200	Service tool ZS - Removing crankshaft (starter side)
5910 007 2205	Service tool AS - Removing crankshaft (clutch side)
5910 850 1008	Tachometer EDT 7
5910 850 1009	Tachometer EDT 8
5910 850 2100	Clamping plate
5910 850 4503	Ignition system tester, ZAT 4 - Testing ignition system
5910 850 4520	Ignition system tester, ZAT 3 - Testing ignition system
5910 890 0301	Torque wrench - Screwed joints 0.5 to 18 Nm
5910 890 0302	Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
5910 890 0311	Torque wrench - Screwed joints 6 to 80 Nm
5910 890 0312	Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
5910 890 1800	Screw sleeve
5910 890 2211	Installing tool, 11 - Installing hookless snap rings in piston
5910 890 2304	Screwdriver - Adjusting carburetor
5910 890 2400	Screwdriver, T27x150 - For all IS screws
5910 890 2800	Assembly hook - Detaching clutch springs
5910 890 3101	Assembly stand - Holding chainsaw for repairs
5910 890 4400	Puller - Removing oil seals
5910 890 4500	Puller - Removing limiter cap
5910 893 0501	Stud puller, M8 - Removing bar mounting studs
5910 893 2101	Drilled plate
5910 893 2409	Screw sleeve - Pulling together crankcase halves
5910 893 5608	Socket, 13 mm - Flywheel nut
5910 893 5613	Socket, S19x12.5L - Releasing and tightening clutch
5910 893 6600	Setting disk - Add-on for screwdriver (adjusting carburetor)
5910 893 8505	Spindle ZS
5910 893 8800	Assembly hook - Removing pickup body

**Chain Saws - Gasoline Chain Saws****MS 362, MS 362 C (1140)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 2201 Installing tool - Flaring rope guide bushing
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0811 611 8380 Pliers A19 - Removing/installing external circlips
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks
- 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1114 893 4700 Assembly drift - Removing/installing piston pin
- 1117 890 0900 Assembly tube - Attaching brake spring
- 1118 893 2401 Press sleeve - Installing oil seal (clutch side)
- 1122 025 2200 Plug
- 1122 893 2405 Press sleeve - Installing oil seal (starter side)
- 1122 893 4600 Installing sleeve - Protecting oil seal (clutch side)
- 1129 890 3401 Combination wrench
- 1135 890 4500 Puller - Removing flywheel
- 1140 890 1200 Flange - Leakage test
- 3112 003 0066 Chain without cutters 3/8" 1.6
- 5910 007 2200 Service tool ZS - Removing/installing crankshaft
- 5910 007 2205 Service tool AS - Removing/installing crankshaft
- 5910 850 1650 Support - Clamping power tool to assembly stand
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2212 Installing tool, 12 - Installing hookless snap rings in piston
- 5910 890 2304 Screwdriver - Adjusting carburetor
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 3101 Assembly stand - Holding chainsaw for repairs
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 4500 Puller - Removing limiter cap
- 5910 893 0501 Stud puller, M8 - Removing bar mounting studs
- 5910 893 2103 Drilled washer - Pulling together crankcase halves
- 5910 893 2409 Screw sleeve - Pulling together crankcase halves
- 5910 893 2420 Screw sleeve - Installing crankshaft
- 5910 893 2804 Socket, 13 mm, long reach - Removing/installing decompression valve
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8800 Assembly hook - Removing pickup body

**MS 380 (1119)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks

**Chain Saws - Gasoline Chain Saws**

0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 890 9100 Dial gauge - Determining T.D.C.  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3700 Jaw  
     (profile No. 2) - Removing oil seal(s)  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1106 890 4200 Clamp  
 1106 894 3000 Feeler pin  
 1107 890 4500 Puller - Centering tool for removing generator  
 1107 894 0800 Puller sleeve  
 1107 894 1000 Thrust piece  
 1108 893 4700 Assembly drift - Removing/installing piston pin  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1110 890 4500 Puller - Removing flywheel  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1117 893 7205 Press arbor - Installing oil seal in oil pump  
 1118 893 3500 Centering tool - Centering generator  
 1119 893 2410 Installing sleeve - Protecting oil seal (clutch side)  
 1119 893 7200 Assembly drift - Removing/installing needle sleeve in V-belt pulley  
 1128 850 4200 Flange  
 3112 003 0066 Chain without cutters 3/8" 1.6  
 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2212 Installing tool, 12 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 8500 Tensioning clip  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 2101 Drilled plate  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5613 Socket, S19x12.5L - Releasing and tightening clutch  
 5910 893 8800 Assembly hook - Removing pickup body

**Chain Saws - Gasoline Chain Saws****MS 381 (1119)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 890 9100 Dial gauge - Determining T.D.C.  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3700 Jaw  
     (profile No. 2) - Removing oil seal(s)  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1106 890 4200 Clamp  
 1106 894 3000 Feeler pin  
 1107 890 4500 Puller - Centering tool for removing generator  
 1107 894 0800 Puller sleeve  
 1107 894 1000 Thrust piece  
 1108 893 4700 Assembly drift - Removing/installing piston pin  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1110 890 4500 Puller - Removing flywheel  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1117 893 7205 Press arbor - Installing oil seal in oil pump  
 1118 893 3500 Centering tool - Centering generator  
 1119 893 2410 Installing sleeve - Protecting oil seal (clutch side)  
 1119 893 7200 Assembly drift - Removing/installing needle sleeve in V-belt pulley  
 1128 850 4200 Flange  
 3112 003 0066 Chain without cutters 3/8" 1.6  
 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2212 Installing tool, 12 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 8500 Tensioning clip  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 2101 Drilled plate  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5613 Socket, S19x12.5L - Releasing and tightening clutch



**Chain Saws - Gasoline Chain Saws**

5910 893 8800 Assembly hook - Removing pickup body

**MS 440 (1128)**

0000 850 1300 Pump - Checking engine and carburetor for leaks

0000 855 8106 Sealing plate - Sealing exhaust port

0000 890 1701 Testing tool kit

0000 890 2201 Installing tool - Flaring rope guide bushing

0000 890 2300 Screwdriver

0000 890 3700 Jaw - Removing oil seal(s)

0000 893 2600 Clamping strap - Clamping piston rings

0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)

0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)

0000 893 5903 Locking strip - Blocking the crankshaft

0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench

1107 890 4500 Puller - Centering tool for removing generator

1107 894 0800 Puller sleeve

1107 894 1000 Thrust piece

1108 893 4800 Wooden assembly block - Fitting piston

1110 890 4500 Puller - Removing flywheel

1110 893 4700 Assembly drift - Removing/installing piston pin

1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel

1117 890 0900 Assembly tube - Attaching brake spring

1118 893 2401 Press sleeve - Installing oil seal (output side)

1118 893 3500 Centering tool - Centering generator

1120 893 7200 Press arbor - Removing crankshaft bearing (ignition side)

1128 850 4200 Flange

1128 890 3900 Installing tool - Installing oil seal (ignition side)

3112 003 0066 Chain without cutters 3/8" 1.6

5910 007 2200 Service tool ZS - Removing crankshaft (ignition side)

5910 007 2205 Service tool AS - Removing crankshaft (clutch side)

5910 850 1008 Tachometer EDT 7

5910 850 1009 Tachometer EDT 8

5910 850 2100 Clamping plate

5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm

5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

5910 890 1800 Screw sleeve

5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston

5910 890 2304 Screwdriver - Adjusting carburetor

5910 890 2400 Screwdriver, T27x150 - For all IS screws

5910 890 2800 Assembly hook - Detaching clutch springs

5910 890 3101 Assembly stand - Holding chainsaw for repairs

5910 893 0501 Stud puller, M8 - Removing bar mounting studs

5910 893 2101 Drilled plate

5910 893 5608 Socket, 13 mm - Flywheel nut

5910 893 5612 Socket, 19 mm

**Chain Saws - Gasoline Chain Saws**

- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8800 Assembly hook - Removing pickup body

**MS 441, MS 441 C (1138)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8107 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 2201 Installing tool - Flaring rope guide bushing
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0000 963 1008 Bushing - Add-on for test flange 1119 850 4201
- 0811 611 8380 Pliers A19 - Removing/installing external circlips
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks
- 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1114 893 4700 Assembly drift - Removing/installing piston pin
- 1117 890 0900 Assembly tube - Attaching brake spring
- 1118 893 2401 Press sleeve - Installing oil seal (clutch side)
- 1118 893 7200 Press arbor - Removing/installing ball bearing (clutch side)
- 1122 025 2200 Plug
- 1122 893 2405 Press sleeve - Installing oil seal (starter side)
- 1122 893 4600 Installing sleeve - Protecting oil seal (clutch side)
- 1135 890 4500 Puller - Removing flywheel
- 1138 890 1200 Flange - Leakage test
- 3112 003 0066 Chain without cutters 3/8" 1.6
- 5910 007 2205 Service tool AS - Removing/installing crankshaft
- 5910 840 0903 Test lead M-Tronic
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 1650 Support - Clamping power tool to assembly stand
- 5910 850 2100 Clamping plate
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2212 Installing tool, 12 - Installing hookless snap rings in piston
- 5910 890 2304 Screwdriver - Adjusting carburetor
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 3101 Assembly stand - Holding chainsaw for repairs
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 4500 Puller - Removing limiter cap
- 5910 893 0501 Stud puller, M8 - Removing bar mounting studs
- 5910 893 1706 Sleeve - Installing hookless snap rings in piston
- 5910 893 2101 Drilled plate

**Chain Saws - Gasoline Chain Saws**

- 5910 893 2420 Screw sleeve - Installing crankshaft
- 5910 893 2804 Socket, 13 mm, long reach - Removing/installing decompression valve
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8800 Assembly hook - Removing pickup body

**MS 460 (1128)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 890 2300 Screwdriver
- 0000 890 3700 Jaw - Removing oil seal(s)
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0000 963 1008 Bushing
- 0811 611 8380 Pliers A19 - Removing/installing external circlips
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1110 890 4500 Puller - Removing flywheel
- 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1111 893 4700 Assembly drift - Removing/installing piston pin
- 1115 893 4600 Press sleeve - Installing oil seal (starter side)
- 1116 893 4800 Installing tool - Rewinding rewind spring
- 1117 890 0900 Assembly tube - Attaching brake spring
- 1118 893 2401 Press sleeve - Protecting oil seal (clutch side)
- 1118 893 4602 Installing sleeve - Installing oil seal (clutch side)
- 1118 893 7200 Press arbor - Removing/installing ball bearing (clutch side)
- 1120 893 7200 Press arbor - Removing/installing ball bearing (starter side)
- 1122 025 2200 Plug
- 1128 850 4200 Flange
- 3112 003 0066 Chain without cutters 3/8" 1.6
- 5910 007 2200 Service tool ZS - Removing crankshaft (starter side)
- 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2212 Installing tool, 12 - Installing hookless snap rings in piston
- 5910 890 2304 Screwdriver - Adjusting carburetor
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 3101 Assembly stand - Holding chainsaw for repairs
- 5910 893 0501 Stud puller, M8 - Removing bar mounting studs

**Chain Saws - Gasoline Chain Saws**

- 5910 893 2101 Drilled plate
- 5910 893 2409 Screw sleeve - Pulling together crankcase halves
- 5910 893 2420 Screw sleeve - Installing crankshaft
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 5613 Socket, S19x12.5L - Releasing and tightening clutch
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8505 Spindle ZS
- 5910 893 8800 Assembly hook - Removing pickup body

**MS 640 (1122)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 2201 Installing tool - Flaring rope guide bushing
- 0000 890 2300 Screwdriver
- 0000 890 3700 Jaw - Removing oil seal(s)
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1107 890 4500 Puller - Centering tool for removing generator
- 1107 894 0800 Puller sleeve
- 1107 894 1000 Thrust piece
- 1108 893 4700 Assembly drift - Removing/installing piston pin
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1110 890 4500 Puller - Removing flywheel
- 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1117 890 0900 Assembly tube - Attaching brake spring
- 1118 893 3500 Centering tool - Centering generator
- 1119 893 7200 Assembly drift - Removing/installing needle sleeve in V-belt pulley
- 1128 890 3900 Installing tool - Installing oil seal (ignition side)
- 3112 003 0066 Chain without cutters 3/8" 1.6
- 5910 007 2200 Service tool ZS - Removing crankshaft (ignition side)
- 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 2212 Installing tool, 12 - Installing hookless snap rings in piston
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 3101 Assembly stand - Holding chainsaw for repairs
- 5910 893 0501 Stud puller, M8 - Removing bar mounting studs
- 5910 893 2101 Drilled plate
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 5612 Socket, 19 mm

**Chain Saws - Gasoline Chain Saws**

5910 893 8800 Assembly hook - Removing pickup body

**MS 650 (1122)**

0000 850 1300 Pump - Checking engine and carburetor for leaks

0000 855 8106 Sealing plate - Sealing exhaust port

0000 855 9200 Nipple - Testing carburetor for leaks

0000 890 2201 Installing tool - Flaring rope guide bushing

0000 890 2300 Screwdriver

0000 890 3700 Jaw - Removing oil seal(s)

0000 893 2600 Clamping strap - Clamping piston rings

0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)

0000 893 5903 Locking strip - Blocking the crankshaft

0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench

1106 890 4501 Puller - Removing flywheel

1107 890 4500 Puller - Centering tool for removing generator

1107 894 0800 Puller sleeve

1107 894 1000 Thrust piece

1108 893 4700 Assembly drift - Removing/installing piston pin

1108 893 4800 Wooden assembly block - Fitting piston

1110 141 8600 Hose 135 mm / 5 5/16"

1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel

1117 890 0900 Assembly tube - Attaching brake spring

1118 893 3500 Centering tool - Centering generator

1119 893 7200 Assembly drift - Removing/installing needle sleeve in V-belt pulley

1122 893 4600 Installing sleeve - Installing oil seal

1128 890 3900 Installing tool - Installing oil seal (ignition side)

3112 003 0066 Chain without cutters 3/8" 1.6

4237 893 4700 Assembly drift - Removing/installing piston pin

5910 007 2200 Service tool ZS - Removing crankshaft (ignition side)

5910 007 2205 Service tool AS - Removing crankshaft (clutch side)

5910 850 1008 Tachometer EDT 7

5910 850 1009 Tachometer EDT 8

5910 850 2100 Clamping plate

5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm

5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

5910 890 2212 Installing tool, 12 - Installing hookless snap rings in piston

5910 890 2304 Screwdriver - Adjusting carburetor

5910 890 2400 Screwdriver, T27x150 - For all IS screws

5910 890 3101 Assembly stand - Holding chainsaw for repairs

5910 890 4500 Puller - Removing limiter cap

5910 893 0501 Stud puller, M8 - Removing bar mounting studs

5910 893 2101 Drilled plate

5910 893 5608 Socket, 13 mm - Flywheel nut

5910 893 5612 Socket, 19 mm

5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)

5910 893 8800 Assembly hook - Removing pickup body

**Chain Saws - Gasoline Chain Saws****MS 660 (1122)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1106 890 4501 Puller - Removing flywheel  
 1107 890 4500 Puller - Centering tool for removing generator  
 1107 894 0800 Puller sleeve  
 1107 894 1000 Thrust piece  
 1108 893 4700 Assembly drift - Removing/installing piston pin  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 893 3500 Centering tool - Centering generator  
 1119 893 7200 Assembly drift - Removing/installing needle sleeve in V-belt pulley  
 1128 890 3900 Installing tool - Installing oil seal (ignition side)  
 3113 003 0068 Chain without cutters .404" 1.6  
 4237 893 4700 Assembly drift - Removing/installing piston pin  
 5910 007 2200 Service tool ZS - Removing crankshaft (ignition side)  
 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2212 Installing tool, 12 - Installing hookless snap rings in piston  
 5910 890 2304 Screwdriver - Adjusting carburetor  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 4500 Puller - Removing limiter cap  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 2101 Drilled plate  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5612 Socket, 19 mm  
 5910 893 6600 Setting disk - Add-on for screwdriver  
 (adjusting carburetor)  
 5910 893 8800 Assembly hook - Removing pickup body

**MS 720 (1106)**

3113 003 0068 Chain without cutters .404" 1.6

**Chain Saws - Gasoline Chain Saws****MS 780 (1124)**

0000 850 1300 Pump  
 0000 855 8106 Sealing plate  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3700 Jaw  
 (profile No. 2) - Removing oil seal(s)  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1106 850 4201 Flange - Leakage test  
 1106 890 4501 Puller - Removing flywheel  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1111 893 4700 Assembly drift - Removing/installing piston pin  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1122 025 2200 Plug  
 1124 850 4205 Flange - Sealing exhaust port  
 1124 893 4600 Installing sleeve - Protecting oil seal (clutch side)  
 1124 893 5100 Installing plate - Installing oil seal in oil pump  
 1124 893 5200 Base - For oil pump housing  
 1124 893 7100 Sleeve - Add-on for test flange 1106 850 4201 and 1119 850 4201  
 1124 893 7200 Press arbor - Removing/installing ball bearing (clutch side)  
 1127 851 8300 Sleeve  
 1127 893 2400 Press sleeve - Installing oil seals (starter/clutch sides)  
 3113 003 0068 Chain without cutters .404" 1.6  
 5910 007 2200 Service tool ZS - Removing crankshaft (starter side)  
 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 1650 Support - Clamping power tool to assembly stand  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4  
 5910 850 4520 Ignition system tester, ZAT 3  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 1800 Screw sleeve  
 5910 890 2205 Service tool AS  
 5910 890 2213 Installing tool, 13 - Installing hookless snap rings in piston  
 5910 890 2304 Screwdriver - Adjusting carburetor  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding chainsaw for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4500 Puller - Removing limiter cap

5910 893 0506 Stud puller, M10 - Removing bar mounting studs

5910 893 2101 Drilled plate

5910 893 2406 Screw sleeve

5910 893 2408 Screw sleeve - Pulling together crankcase halves

5910 893 2409 Screw sleeve - Pulling together crankcase halves

5910 893 2421 Screw sleeve - Installing crankshaft

5910 893 5100 Installing plate - Installing rewind spring

5910 893 5608 Socket, 13 mm - Removing/installing decompression valve

5910 893 5610 Socket, 17 mm - Flywheel nut

5910 893 5615 Socket, 21 mm - Releasing and tightening clutch

5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)

5910 893 8505 Spindle ZS

5910 893 8800 Assembly hook - Removing pickup body

0000 850 1300 Pump  
0000 855 9200 Nipple - Testing carburetor for leaks  
0000 890 1701 Testing tool kit  
0000 893 2600 Clamping strap - Clamping piston rings  
0000 893 3700 Jaw  
(profile No. 2) - Removing oil seal(s)  
0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
0000 893 5903 Locking strip - Blocking the crankshaft  
0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
1106 850 4201 Flange - Leakage test  
1106 890 4501 Puller - Removing flywheel  
1108 893 4800 Wooden assembly block - Fitting piston  
1110 141 8600 Hose 135 mm / 5 5/16"  
1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
1111 893 4700 Assembly drift - Removing/installing piston pin  
1117 890 0900 Assembly tube - Attaching brake spring  
1122 025 2200 Plug  
1124 850 4205 Flange - Sealing exhaust port  
1124 893 4600 Installing sleeve - Protecting oil seal (clutch side)  
1124 893 5100 Installing plate - Installing oil seal in oil pump  
1124 893 5200 Base - For oil pump housing  
1124 893 7100 Sleeve - Add-on for test flange 1106 850 4201 and 1119 850 4201  
1124 893 7200 Press arbor - Removing/installing ball bearing (clutch side)  
1127 851 8300 Sleeve  
1127 893 2400 Press sleeve - Installing oil seals (starter/clutch sides)  
3113 003 0068 Chain without cutters .404" 1.6  
5910 007 2200 Service tool ZS - Removing crankshaft (starter side)  
5910 007 2205 Service tool AS - Removing crankshaft (clutch side)  
5910 850 1008 Tachometer EDT 7  
5910 850 1009 Tachometer EDT 8  
5910 850 1650 Support - Clamping power tool to assembly stand  
5910 850 2100 Clamping plate  
5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm



**Chain Saws - Gasoline Chain Saws**

- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 1800 Screw sleeve
- 5910 890 2213 Installing tool, 13 - Installing hookless snap rings in piston
- 5910 890 2304 Screwdriver - Adjusting carburetor
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 3101 Assembly stand - Holding chainsaw for repairs
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 4500 Puller - Removing limiter cap
- 5910 893 0506 Stud puller, M10 - Removing bar mounting studs
- 5910 893 2101 Drilled plate
- 5910 893 2406 Screw sleeve
- 5910 893 2408 Screw sleeve - Pulling together crankcase halves
- 5910 893 2409 Screw sleeve - Pulling together crankcase halves
- 5910 893 2421 Screw sleeve - Installing crankshaft
- 5910 893 5100 Installing plate - Installing rewind spring
- 5910 893 5608 Socket, 13 mm - Removing/installing decompression valve
- 5910 893 5610 Socket, 17 mm - Flywheel nut
- 5910 893 5615 Socket, 21 mm - Releasing and tightening clutch
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8505 Spindle ZS
- 5910 893 8800 Assembly hook - Removing pickup body

**Chain Saws - Electric Chain Saws****E 14 (1206)**

- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 0812 542 2041 Socket, T20x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1117 890 0900 Assembly tube - Attaching brake spring to brake band
- 5910 850 2100 Clamping plate
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2301 Screwdriver, T20 - Spline socket head screws
- 5910 890 3101 Assembly stand - Holding electric saw for repairs

**E 140, E 160, E 180 C (1208)**

- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1111 893 4700 Assembly drift - Removing needle sleeve in handle housing
- 1117 890 0900 Assembly tube - Attaching brake spring
- 4116 893 7205 Press arbor - Installing needle sleeve in handle housing
- 5910 850 2100 Clamping plate

**Chain Saws - Electric Chain Saws**

- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2301 Screwdriver, T20 - Spline socket head screws
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 3101 Assembly stand - Holding electric saw for repairs

**E 20, E 220 (1207)**

- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 0812 542 2041 Socket, T20x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1117 890 0900 Assembly tube - Attaching brake spring to brake band
- 5910 850 2100 Clamping plate
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2301 Screwdriver, T20 - Spline socket head screws
- 5910 890 3101 Assembly stand - Holding electric saw for repairs

**MSE 140 C, MSE 160 C, MSE 180 C, MSE 200 C (1208)**

- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1111 893 4700 Assembly drift - Removing needle sleeve in handle housing
- 1117 890 0900 Assembly tube - Attaching brake spring
- 3110 003 0044 Chain without cutters 3/8" P 1.1
- 4116 893 7205 Press arbor - Installing needle sleeve in handle housing
- 5910 850 2100 Clamping plate
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 2301 Screwdriver, T20 - Spline socket head screws
- 5910 890 3101 Assembly stand - Holding electric saw for repairs

**MSE 220, MSE 220 C (1207)**

- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 0812 542 2041 Socket, T20x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1117 890 0900 Assembly tube - Attaching brake spring to brake band
- 5910 850 2100 Clamping plate
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 2301 Screwdriver, T20 - Spline socket head screws
- 5910 890 3101 Assembly stand - Holding electric saw for repairs

**Chain Saws - Pole Pruners****HT 56 C (4139)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 9200 Nipple - Checking engine and carburetor for leaks
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3700 Jaw  
(profile No. 2) - Holding engine pan
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5904 Locking strip - Blocking the crankshaft
- 0812 540 1112 Socket, T27x140 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4500 Threaded bushing - Holding engine pan with puller 5910 890 4400
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks
- 1121 893 2400 Press sleeve - Installing oil seal
- 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1129 893 2400 Press sleeve - Installing oil seal
- 1130 893 4700 Assembly drift - Removing/installing piston pin
- 4119 893 4600 Installing sleeve - Protecting oil seal
- 4130 890 3600 Wrench - Releasing and tightening clutch
- 5805 751 8600 Threaded bushing - Holding engine pan with puller 5910 890 4400
- 5910 850 4200 Flange - Leakage test
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 1100 Hose clamp - Removing and installing the bearing housing
- 5910 890 2204 Installing tool - Installing and flaring rope guide bushing
- 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston
- 5910 890 2305 Screwdriver - Adjusting carburetor
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 4400 Puller - Removing oil seal(s)
- 5910 890 4501 Puller - Removing limiter cap
- 5910 893 0800 Puller - Removing flywheel
- 5910 893 1708 Sleeve - Installing hookless snap rings in piston
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8800 Assembly hook - Removing pickup body

**HT 70, HT 75 (4138)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft

**Chain Saws - Pole Pruners**

0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench

0816 610 1495 Pliers A10-flat - Removing/installing external circlips

1108 893 4700 Assembly drift - Removing/installing clutch drum

1108 893 4800 Wooden assembly block - Fitting piston

1110 141 8600 Hose 135 mm / 5 5/16"

1114 893 4700 Assembly drift - Removing/installing piston pin

1115 893 4600 Press sleeve - Installing oil seal (starter side)

1118 893 7200 Press arbor - Removing/installing ball bearing in clutch housing

1123 894 7700 Guide - Removing oil pump

1128 850 4200 Flange

4112 893 2400 Installing sleeve - Protecting oil seal (starter side)

4112 893 2401 Press sleeve - Installing oil seal (clutch side)

4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel

4118 890 6401 Setting gauge

4119 893 7200 Press arbor - Removing/installing ball bearings

4126 893 4900 Installing tool - Removing rubber element from AV sleeve

4133 893 0800 Puller - Releasing flywheel

5910 007 2200 Service tool ZS - Removing crankshaft

5910 850 1008 Tachometer EDT 7

5910 850 1009 Tachometer EDT 8

5910 850 2100 Clamping plate

5910 850 4503 Ignition system tester, ZAT 4

5910 850 4520 Ignition system tester, ZAT 3

5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm

5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

5910 890 2100 Clamping plate - Clamping powerheads to assembly stand

5910 890 2202 Installing tool - Installing crankshaft

5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston

5910 890 2301 Screwdriver, T20 - Separating handle moldings

5910 890 2400 Screwdriver, T27x150 - For all IS screws

5910 890 2800 Assembly hook - Removing plug from drive tube

5910 890 3101 Assembly stand - Holding powerhead for repairs

5910 890 4400 Puller - Removing oil seals

5910 893 1701 Sleeve - Removing ball bearings

5910 893 1702 Sleeve - Removing ball bearings

5910 893 1708 Sleeve

5910 893 5608 Socket, 13 mm - Clutch and carrier

5910 893 8800 Assembly hook - Removing pickup body

**HT 100, HT 101 (4182)**

0000 850 1300 Pump - Checking engine and carburetor for leaks

0000 855 8106 Sealing plate - Sealing exhaust port

0000 855 9200 Nipple - Testing carburetor for leaks

0000 890 1701 Testing tool kit

0000 963 1008 Bushing - Add-on for test flange 1119 850 4201

1108 893 4700 Assembly drift - Removing/installing piston pin

1110 141 8600 Hose 135 mm / 5 5/16"

1114 893 4700 Assembly drift - Installing piston pin

**Chain Saws - Pole Pruners**

1115 893 4600 Press sleeve - Installing oil seal (fan side)  
 1119 850 4201 Test flange - Leakage test  
 1123 894 7700 Guide - Removing oil pump  
 4112 893 2400 Installing sleeve - Installing oil seal  
 4112 893 2401 Press sleeve - Installing oil seal (starter side)  
 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4501 Puller - Removing flywheel  
 4119 893 2400 Press sleeve - Removing/installing clutch drum bearing  
 4180 890 3400 Combination wrench - Spark plug  
 4180 893 4400 Extension - Removing AV elements, clutch drum  
 4180 893 6400 Setting gauge - Setting valve clearance  
 4224 691 0100 Locking screw - Blocking the crankshaft  
 4282 890 2700 Locking screw - Blocking the crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2000 Compression tester - Checking valves, piston rings for leaks  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Spline socket head screws  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4501 Puller - Removing limiter cap  
 5910 890 4602 Removing tool - Removing clutch drum  
 5910 893 1708 Sleeve  
 5910 893 5608 Socket, 13 mm - Removing starter cup/fanwheel

**HT 130, HT 131 (4182)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 963 1008 Bushing - Add-on for test flange 1119 850 4201  
 1108 893 4700 Assembly drift - Removing/installing piston pin  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (fan side)  
 1119 850 4201 Test flange - Leakage test  
 1123 894 7700 Guide - Removing oil pump  
 4112 893 2400 Installing sleeve - Installing oil seal  
 4112 893 2401 Press sleeve - Installing oil seal (starter side)  
 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4501 Puller - Removing flywheel  
 4119 893 2400 Press sleeve - Removing/installing clutch drum bearing  
 4180 890 3400 Combination wrench - Spark plug  
 4180 893 4400 Extension - Removing AV elements, clutch drum  
 4180 893 6400 Setting gauge - Setting valve clearance

**Chain Saws - Pole Pruners**

4224 691 0100 Locking screw - Blocking the crankshaft  
 4282 890 2700 Locking screw - Blocking the crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2000 Compression tester - Checking valves, piston rings for leaks  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2209 Installing tool, 9 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Spline socket head screws  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4501 Puller - Removing limiter cap  
 5910 890 4602 Removing tool - Removing clutch drum  
 5910 893 5608 Socket, 13 mm - Removing starter cup/fanwheel

**HT 250 (4134)**

0000 893 5903 Locking strip - Blocking the crankshaft  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0816 610 1495 Pliers A10-flat - Removing/installing external circlips  
 1120 893 7200 Press arbor - Removing ball bearing from clutch housing  
 1123 851 8300 Sleeve - Removing crankshaft  
 1128 850 4200 Flange  
 4112 893 2400 Installing sleeve - Protecting oil seal (clutch side)  
 4112 893 2401 Press sleeve - Installing oil seal (starter side)  
 4119 890 4600 Removing tool - Removing crankshaft (clutch side)  
 4119 893 7200 Press arbor - Removing/installing ball bearings  
 4126 893 4900 Installing tool - Removing rubber element from AV sleeve  
 4133 893 0800 Puller - Releasing flywheel  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2101 Clamping plate - Clamping powerheads to assembly stand  
 5910 890 2202 Installing tool - Installing crankshaft  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Separating handle moldings  
 5910 890 3101 Assembly stand - Holding FS and FR units  
 5910 890 8800 Tensioner - Holding FS units by drive tube for repairs (together with assembly stand)  
 5910 893 2700 Clamping jaws - Clamping drive tube/bike handle  
 5910 893 5608 Socket, 13 mm - Removing clutch, flywheel nut, decompression valve  
 5910 893 8800 Assembly hook - Removing pickup body

**Chain Saws - Electric pole pruners****HTE 60 (4810)**

1123 894 7700 Guide - Removing oil pump

**Outdoor Power Tools - Electric Trimmers****FE 35, FE 40 (4802)**

0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 4119 893 7200 Press arbor - Installing plain bearing/needle bearing in bearing housing  
 4221 893 5900 Locking strip - Blocking the crankshaft  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

**FE 55 (4803)**

0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 4119 893 7200 Press arbor - Installing plain bearing/needle bearing in bearing housing  
 4221 893 5900 Locking strip - Blocking the crankshaft  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

**Outdoor Power Tools - Brushcutters****FS 25-4, FS 65-4 (4170)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 0816 610 1495 Pliers A10-flat - Removing/installing external circlips  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Removing/installing clutch drum  
 1118 893 7200 Press arbor - Removing/installing ball bearing in clutch housing  
 4119 890 3400 Combination wrench  
 4119 890 4501 Puller - Removing flywheel  
 4126 893 4900 Installing tool - Removing rubber element from AV sleeve  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2301 Screwdriver, T20 - Separating handle moldings  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding FS units

**Outdoor Power Tools - Brushcutters**

- 5910 890 8800 Tensioner - Holding FS units by drive tube for repairs (together with assembly stand)
- 5910 893 2700 Clamping jaws - Clamping drive tube/bike handle
- 5910 893 8800 Assembly hook - Removing pickup body

**FS 36, FS 40, FS 44 (4130)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 963 1008 Bushing - Add-on for test flange 1106 850 4201 and 1119 850 4201
- 0811 611 8200 Pliers A10 - Removing/installing external circlips
- 0811 611 8380 Pliers A19 - Removing/installing external circlips
- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 0812 540 1112 Socket, T27x140
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1119 850 4201 Test flange - Leakage test
- 4112 893 1200 Locking screw for piston - Blocking the crankshaft
- 4112 893 2401 Press sleeve - Installing oil seal
- 4119 893 7200 Press arbor - Installing plain bearing/needle bearing in bearing housing
- 4130 855 7700 Guide - Adjusting carburetor
- 4130 890 3600 Wrench - Releasing and tightening clutch
- 4237 893 4700 Assembly drift - Removing/installing piston pin
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 893 8800 Assembly hook - Removing pickup body

**FS 38, FS 45, FS 45 C, FS 45 L, FS 46, FS 46 C (4140)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3700 Jaw
  - (profile No. 2) - Removing oil seal(s)
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0812 540 1112 Socket, T27x140 - "Removing and installing spline socket head screws with electric or pneumatic screwdrivers; releasing clutch drum"
- 1107 191 1200 Locking screw - Blocking the crankshaft
- 1108 893 4500 Threaded bushing
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1114 893 4601 Installing sleeve - Installing oil seal (starter side)
- 1114 893 4700 Assembly drift - Installing piston pin
- 1115 893 4600 Press sleeve
- 1120 893 2400 Press sleeve - Installing oil seal (clutch side)
- 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1128 850 4200 Flange



**Outdoor Power Tools - Brushcutters**

- 1129 893 4600 Installing sleeve - Protecting oil seal (starter side)
- 4112 893 2400 Installing sleeve
- 4112 893 2401 Press sleeve
- 4130 890 3600 Wrench - Releasing and tightening clutch
- 4221 893 5900 Locking strip
- 5805 751 8600 Threaded bushing
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 850 4503 Ignition system tester, ZAT 4
- 5910 850 4520 Ignition system tester, ZAT 3
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2204 Installing tool
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2420 Screwdriver, Q-SW 8x200 - Carburetor nuts
- 5910 890 2800 Assembly hook
- 5910 890 3101 Assembly stand - Holding FS units
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 4500 Puller
- 5910 890 8800 Tensioner - Holding FS units by drive tube for repairs (together with assembly stand)
- 5910 893 0300 Tensioning wrench - Tension the rewind spring
- 5910 893 8800 Assembly hook - Removing pickup body

**FS 40, FS 40 C, FS 50, FS 50 C (4144)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 9200 Nipple - Checking engine and carburetor for leaks
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3700 Jaw  
(profile No. 2) - Holding engine pan
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5904 Locking strip - Blocking the crankshaft
- 0812 540 1112 Socket, T27x140 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4500 Threaded bushing - Holding engine pan with puller 5910 890 4400
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks
- 1121 893 2400 Press sleeve - Installing oil seal
- 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1129 893 2400 Press sleeve - Installing oil seal
- 1130 893 4700 Assembly drift - Removing/installing piston pin
- 4119 893 4600 Installing sleeve - Protecting oil seal
- 4130 890 3600 Wrench - Releasing and tightening clutch
- 5805 751 8600 Threaded bushing - Holding engine pan with puller 5910 890 4400
- 5910 850 4200 Flange - Leakage test
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system

**Outdoor Power Tools - Brushcutters**

5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 1100 Hose clamp - Removing and installing the bearing housing  
 5910 890 2204 Installing tool - Installing and flaring rope guide bushing  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2305 Screwdriver - Adjusting carburetor  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2420 Screwdriver, Q-SW 8x200  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 4400 Puller - Removing oil seal(s)  
 5910 890 4500 Puller  
 5910 890 4501 Puller - Removing limiter cap  
 5910 893 0800 Puller - Removing flywheel  
 5910 893 1708 Sleeve - Installing hookless snap rings in piston  
 5910 893 6600 Setting disk - Add-on for screwdriver  
 (adjusting carburetor)  
 5910 893 8800 Assembly hook - Removing pickup body

**FS 55, FS 55 C, FS 55 R, FS 55 RC, FS 55 T (4140)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3700 Jaw  
 (profile No. 2) - Removing oil seal(s)  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 540 1112 Socket, T27x140 - "Removing and installing spline socket head screws with electric or pneumatic screwdrivers; releasing clutch drum"  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1107 191 1200 Locking screw - Blocking the crankshaft  
 1108 893 4500 Threaded bushing  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4601 Installing sleeve - Installing oil seal (starter side)  
 1114 893 4700 Assembly drift - Installing piston pin  
 1115 893 4600 Press sleeve  
 1120 893 2400 Press sleeve - Installing oil seal (clutch side)  
 1121 893 2400 Press sleeve  
 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1128 850 4200 Flange  
 1129 893 4600 Installing sleeve  
 4112 893 2400 Installing sleeve  
 4112 893 2401 Press sleeve  
 4130 890 3600 Wrench - Releasing and tightening clutch  
 5805 751 8600 Threaded bushing  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4

**Outdoor Power Tools - Brushcutters**

- 5910 850 4520 Ignition system tester, ZAT 3
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2204 Installing tool
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2420 Screwdriver, Q-SW 8x200 - Carburetor nuts
- 5910 890 2800 Assembly hook
- 5910 890 3101 Assembly stand
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 8800 Tensioner - Holding FS units by drive tube for repairs (together with assembly stand)
- 5910 893 0300 Tensioning wrench - Tension the rewind spring
- 5910 893 8800 Assembly hook - Removing pickup body

**FS 56, FS 56 C, FS 56 R, FS 56 RC (4144)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 9200 Nipple - Checking engine and carburetor for leaks
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3700 Jaw  
(profile No. 2) - Holding engine pan
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5904 Locking strip - Blocking the crankshaft
- 0812 540 1112 Socket, T27x140 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4500 Threaded bushing - Holding engine pan with puller 5910 890 4400
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks
- 1121 893 2400 Press sleeve - Installing oil seal
- 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1129 893 2400 Press sleeve - Installing oil seal
- 1130 893 4700 Assembly drift - Removing/installing piston pin
- 4119 893 4600 Installing sleeve - Protecting oil seal
- 4130 890 3600 Wrench - Releasing and tightening clutch
- 5805 751 8600 Threaded bushing - Holding engine pan with puller 5910 890 4400
- 5910 850 4200 Flange - Leakage test
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 1100 Hose clamp - Removing and installing the bearing housing
- 5910 890 2204 Installing tool - Installing and flaring rope guide bushing
- 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston
- 5910 890 2305 Screwdriver - Adjusting carburetor
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2420 Screwdriver, Q-SW 8x200
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 4400 Puller - Removing oil seal(s)

**Outdoor Power Tools - Brushcutters**

- 5910 890 4500 Puller
- 5910 890 4501 Puller - Removing limiter cap
- 5910 893 0800 Puller - Removing flywheel
- 5910 893 1708 Sleeve - Installing hookless snap rings in piston
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8800 Assembly hook - Removing pickup body

**FS 72, FS 74, FS 76 (4133)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 890 2300 Screwdriver
- 0000 890 3700 Jaw - Removing oil seal(s)
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0000 963 1008 Bushing - Add-on for test flange 1106 850 4201 and 1119 850 4201
- 0811 611 8200 Pliers A10 - Removing/installing external circlips
- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4700 Assembly drift - Removing clutch drum
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1110 893 4700 Assembly drift - Installing clutch drum
- 1114 893 4700 Assembly drift - Removing/installing piston pin
- 1115 893 4600 Press sleeve - Installing oil seal (starter side)
- 1128 850 4200 Flange
- 4112 893 2401 Press sleeve - Installing oil seal (fan side)
- 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 4119 890 4501 Puller - Removing crankshaft (starter side only)
- 4119 893 4600 Installing sleeve - Protecting oil seal (starter side)
- 4119 893 7200 Press arbor - Removing/installing crankshaft bearings
- 4133 893 0800 Puller - Removing flywheel
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2100 Clamping plate - Clamping powerheads to assembly stand
- 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 3101 Assembly stand
- 5910 893 1708 Sleeve
- 5910 893 5608 Socket, 13 mm - Starter carrier

**Outdoor Power Tools - Brushcutters**

5910 893 8800 Assembly hook - Removing pickup body

**FS 75, FS 80, FS 80 R, FS 85, FS 85 R, FS 85 T, FS 85 RX (4137)**

0000 850 1300 Pump - Checking engine and carburetor for leaks

0000 855 8106 Sealing plate - Sealing exhaust port

0000 855 9200 Nipple - Testing carburetor for leaks

0000 890 1701 Testing tool kit

0000 893 2600 Clamping strap - Clamping piston rings

0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)

0000 893 5903 Locking strip - Blocking the crankshaft

0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench

0816 610 1495 Pliers A10-flat - Removing/installing external circlips

1108 893 4700 Assembly drift - Removing/installing clutch drum

1108 893 4800 Wooden assembly block - Fitting piston

1110 141 8600 Hose 135 mm / 5 5/16"

1114 893 4700 Assembly drift - Removing/installing piston pin

1115 893 4600 Press sleeve - Installing oil seal (starter side)

1118 893 7200 Press arbor - Removing/installing ball bearing in clutch housing

1128 850 4200 Flange

4112 893 2400 Installing sleeve - Protecting oil seal (starter side)

4112 893 2401 Press sleeve - Installing oil seal (clutch side)

4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel

4118 890 6401 Setting gauge

4119 893 7200 Press arbor - Removing/installing ball bearings

4126 893 4900 Installing tool - Removing rubber element from AV sleeve

4133 893 0800 Puller - Releasing flywheel

5910 007 2200 Service tool ZS - Removing crankshaft

5910 850 1008 Tachometer EDT 7

5910 850 1009 Tachometer EDT 8

5910 850 2100 Clamping plate

5910 850 4503 Ignition system tester, ZAT 4

5910 850 4520 Ignition system tester, ZAT 3

5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm

5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

5910 890 2100 Clamping plate - Clamping powerheads to assembly stand

5910 890 2202 Installing tool - Installing crankshaft

5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston

5910 890 2301 Screwdriver, T20 - Separating handle moldings

5910 890 2400 Screwdriver, T27x150 - For all IS screws

5910 890 2800 Assembly hook - Removing plug from drive tube

5910 890 3101 Assembly stand - Holding powerhead for repairs

5910 890 4400 Puller - Removing oil seals

5910 893 1701 Sleeve - Removing ball bearings

5910 893 1702 Sleeve - Removing ball bearings

5910 893 1708 Sleeve

5910 893 2102 Drilled washer

**Outdoor Power Tools - Brushcutters**

- 5910 893 5608 Socket, 13 mm - Clutch and carrier
- 5910 893 8800 Assembly hook - Removing pickup body

**FS 87, FS 87 R (4180)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 963 1008 Bushing - Add-on for test flange 1119 850 4201
- 1108 893 4700 Assembly drift - Removing/installing piston pin
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1114 893 4700 Assembly drift - Installing piston pin
- 1115 893 4600 Press sleeve - Installing oil seal (fan side)
- 1119 850 4201 Test flange - Leakage test
- 4112 893 2400 Installing sleeve - Installing oil seal
- 4112 893 2401 Press sleeve - Installing oil seal (starter side)
- 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel
- 4119 890 4501 Puller - Removing fanwheel
- 4119 893 2400 Press sleeve - Removing/installing clutch drum bearing
- 4180 890 3400 Combination wrench - Spark plug
- 4180 893 4400 Extension - Removing AV elements, clutch drum
- 4180 893 6400 Setting gauge - Setting valve clearance
- 4224 691 0100 Locking screw - Blocking the crankshaft
- 4282 890 2700 Locking screw - Blocking the crankshaft
- 5910 850 2000 Compression tester - Checking valves, piston rings for leaks
- 5910 850 2100 Clamping plate
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston
- 5910 890 2301 Screwdriver, T20 - Spline socket head screws
- 5910 890 3101 Assembly stand - Holding powerhead for repairs
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 4501 Puller - Removing limiter cap
- 5910 890 4602 Removing tool - Removing clutch drum
- 5910 893 1708 Sleeve
- 5910 893 5608 Socket, 13 mm - Removing starter cup/fanwheel

**FS 88 (4126)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0811 611 8200 Pliers A10 - Removing/installing external circlips
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 0816 610 1495 Pliers A10-flat - Removing/installing external circlips
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks

**Outdoor Power Tools - Brushcutters**

1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1111 893 4700 Assembly drift - Removing clutch drum  
 1114 893 4700 Assembly drift - Removing/installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (starter side)  
 1118 893 7200 Press arbor - Removing/installing ball bearing in clutch drum  
 1129 893 2400 Press sleeve - Installing oil seal (clutch side)  
 4112 893 1200 Locking screw for piston - Blocking the crankshaft  
 4112 893 2400 Installing sleeve - Protecting oil seal (starter side)  
 4119 890 3400 Combination wrench  
 4119 890 4501 Puller - Removing flywheel  
 4119 890 4600 Removing tool - Separating crankcase halves (starter side)  
 4119 893 7200 Press arbor - Removing/installing crankshaft bearings  
 4126 893 4900 Installing tool - Removing AV sleeve  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2100 Clamping plate - Clamping powerheads to assembly stand  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding powerhead for repairs  
 5910 893 1708 Sleeve  
 5910 893 2500 Flange  
 5910 893 5608 Socket, 13 mm - Crankshaft nut  
 5910 893 8800 Assembly hook - Removing pickup body

**FS 90, FS 90 R (4180)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 963 1008 Bushing - Add-on for test flange 1119 850 4201  
 1108 893 4700 Assembly drift - Removing/installing piston pin  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (fan side)  
 1119 850 4201 Test flange - Leakage test  
 4112 893 2400 Installing sleeve - Installing oil seal  
 4112 893 2401 Press sleeve - Installing oil seal (starter side)  
 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4501 Puller - Removing fanwheel  
 4119 893 2400 Press sleeve - Removing/installing clutch drum bearing  
 4180 890 3400 Combination wrench - Spark plug  
 4180 893 4400 Extension - Removing AV elements, clutch drum  
 4180 893 6400 Setting gauge - Setting valve clearance  
 4224 691 0100 Locking screw - Blocking the crankshaft  
 4282 890 2700 Locking screw - Blocking the crankshaft

**Outdoor Power Tools - Brushcutters**

5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2000 Compression tester - Checking valves, piston rings for leaks  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Spline socket head screws  
 5910 890 3101 Assembly stand - Holding powerhead for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4501 Puller - Removing limiter cap  
 5910 890 4602 Removing tool - Removing clutch drum  
 5910 893 1708 Sleeve  
 5910 893 5608 Socket, 13 mm - Removing starter cup/fanwheel

**FS 100, FS 100 R, FS 100 RX, FS 110, FS 110 R, FS 110 X, FS 110 RX (4180)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 963 1008 Bushing - Add-on for test flange 1119 850 4201  
 1108 893 4700 Assembly drift - Removing/installing piston pin  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (fan side)  
 1119 850 4201 Test flange - Leakage test  
 4112 893 2400 Installing sleeve - Installing oil seal  
 4112 893 2401 Press sleeve - Installing oil seal (starter side)  
 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4501 Puller - Removing flywheel  
 4119 893 2400 Press sleeve - Removing/installing clutch drum bearing  
 4180 890 3400 Combination wrench - Spark plug  
 4180 893 4400 Extension - Removing AV elements, clutch drum  
 4180 893 6400 Setting gauge - Setting valve clearance  
 4224 691 0100 Locking screw - Blocking the crankshaft  
 4282 890 2700 Locking screw - Blocking the crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2000 Compression tester - Checking valves, piston rings for leaks  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Spline socket head screws  
 5910 890 3101 Assembly stand - Holding powerhead for repairs  
 5910 890 4400 Puller - Removing oil seals



**Outdoor Power Tools - Brushcutters**

- 5910 890 4501 Puller - Removing limiter cap
- 5910 890 4602 Removing tool - Removing clutch drum
- 5910 893 1708 Sleeve
- 5910 893 5608 Socket, 13 mm - Removing starter cup/fanwheel

**FS 120, FS 120 R, FS 200, FS 200 R, FS 250, FS 250 R (4134)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 0816 610 1495 Pliers A10-flat - Removing/installing external circlips
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1114 893 4700 Assembly drift - Removing/installing clutch drum
- 1115 893 4600 Press sleeve - Installing oil seal (clutch side)
- 1120 893 7200 Press arbor - Removing ball bearing from clutch housing
- 1123 851 8300 Sleeve - Removing crankshaft
- 1128 850 4200 Flange
- 4112 893 2400 Installing sleeve - Protecting oil seal (clutch side)
- 4112 893 2401 Press sleeve - Installing oil seal (starter side)
- 4116 894 1000 Thrust piece - Extension for puller No. 4
- 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 4119 890 4600 Removing tool - Removing crankshaft (clutch side)
- 4119 893 7200 Press arbor - Removing/installing ball bearings
- 4126 893 4900 Installing tool - Removing rubber element from AV sleeve
- 4133 893 0800 Puller - Releasing flywheel
- 5910 007 2200 Service tool ZS - Removing crankshaft
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2101 Clamping plate - Clamping powerheads to assembly stand
- 5910 890 2202 Installing tool - Installing crankshaft
- 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston
- 5910 890 2301 Screwdriver, T20 - Separating handle moldings
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 3101 Assembly stand - Holding FS and FR units
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 8800 Tensioner - Holding FS units by drive tube for repairs (together with assembly stand)
- 5910 893 2102 Drilled washer
- 5910 893 2700 Clamping jaws - Clamping drive tube/bike handle

**Outdoor Power Tools - Brushcutters**

- 5910 893 5608 Socket, 13 mm - Removing clutch, flywheel nut, decompression valve
- 5910 893 8800 Assembly hook - Removing pickup body
- 9022 341 1190 Spline screw IS-M5x72

**FS 130, FS 130 R (4180)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 963 1008 Bushing - Add-on for test flange 1119 850 4201
- 1108 893 4700 Assembly drift - Removing/installing piston pin
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1114 893 4700 Assembly drift - Installing piston pin
- 1115 893 4600 Press sleeve - Installing oil seal (fan side)
- 1119 850 4201 Test flange - Leakage test
- 4112 893 2400 Installing sleeve - Installing oil seal
- 4112 893 2401 Press sleeve - Installing oil seal (starter side)
- 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel
- 4119 890 4501 Puller - Removing flywheel
- 4119 893 2400 Press sleeve - Removing/installing clutch drum bearing
- 4180 890 3400 Combination wrench - Spark plug
- 4180 893 4400 Extension - Removing AV elements, clutch drum
- 4180 893 6400 Setting gauge - Setting valve clearance
- 4224 691 0100 Locking screw - Blocking the crankshaft
- 4282 890 2700 Locking screw - Blocking the crankshaft
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2000 Compression tester - Checking valves, piston rings for leaks
- 5910 850 2100 Clamping plate
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 2209 Installing tool, 9 - Installing hookless snap rings in piston
- 5910 890 2301 Screwdriver, T20 - Spline socket head screws
- 5910 890 3101 Assembly stand - Holding powerhead for repairs
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 4501 Puller - Removing limiter cap
- 5910 890 8800 Tensioner
- 5910 893 5608 Socket, 13 mm - Removing starter cup/fanwheel

**FS 160, FS 180 (4119)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 890 2201 Installing tool - Flaring rope guide bushing
- 0000 890 2300 Screwdriver
- 0000 890 3700 Jaw - Removing oil seal(s)
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)

**Outdoor Power Tools - Brushcutters**

0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1107 191 1200 Locking screw - Blocking the crankshaft  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1110 893 4700 Assembly drift - Removing/installing piston pin  
 1118 850 4200 Flange - Leakage test  
 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4600 Removing tool - Removing crankshaft  
 4119 893 2400 Press sleeve - Removing/installing clutch drum bearing  
 4119 893 4600 Installing sleeve - Fitting oil seals  
 4119 893 7200 Press arbor - Installing crankshaft bearings  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 893 8800 Assembly hook - Removing pickup body

**FS 220, FS 220 K, FS 280, FS 280 K, FS 290 (4119)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1107 191 1200 Locking screw - Blocking the crankshaft  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1110 893 4700 Assembly drift - Removing/installing piston pin  
 1118 850 4200 Flange - Leakage test  
 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4600 Removing tool - Removing crankshaft  
 4119 893 2400 Press sleeve - Installing oil seals  
 4119 893 4600 Installing sleeve - Fitting oil seals  
 4119 893 7200 Press arbor - Installing crankshaft bearings  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 4401 Puller - Disassembling gearbox

## Outdoor Power Tools - Brushcutters

5910 893 8800 Assembly hook - Removing pickup body

## Outdoor Power Tools - Clearing Saws

### FS 300, FS 350 (4134)

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0811 641 8380 Pliers C19  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 0816 610 1495 Pliers A10-flat - Removing/installing external circlips  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Removing/installing clutch drum  
 1115 893 4600 Press sleeve - Installing oil seal (clutch side)  
 1120 893 7200 Press arbor - Removing ball bearing from clutch housing  
 1123 851 8300 Sleeve - Removing crankshaft  
 1128 850 4200 Flange  
 4112 893 2400 Installing sleeve - Protecting oil seal (clutch side)  
 4112 893 2401 Press sleeve - Installing oil seal (starter side)  
 4116 894 1000 Thrust piece - Extension for puller No. 4  
 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4600 Removing tool - Removing crankshaft (clutch side)  
 4119 893 7200 Press arbor - Removing/installing ball bearings  
 4126 893 4900 Installing tool - Removing rubber element from AV sleeve  
 4133 893 0800 Puller - Releasing flywheel  
 5910 007 2200 Service tool ZS - Removing crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2101 Clamping plate - Clamping powerheads to assembly stand  
 5910 890 2202 Installing tool - Installing crankshaft  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Separating handle moldings  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding FS and FR units  
 5910 890 4400 Puller - Removing oil seals

**Outdoor Power Tools - Clearing Saws**

- 5910 890 4401 Puller - Disassembling gearbox
- 5910 890 8800 Tensioner - Holding FS units by drive tube for repairs (together with assembly stand)
- 5910 893 2102 Drilled washer
- 5910 893 2700 Clamping jaws - Clamping drive tube/bike handle
- 5910 893 5608 Socket, 13 mm - Removing clutch, flywheel nut, decompression valve
- 5910 893 8800 Assembly hook - Removing pickup body
- 9022 341 1190 Spline screw IS-M5x72

**FS 310 (4180)**

- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 963 1008 Bushing - Add-on for test flange 1119 850 4201
- 1108 893 2405 Press sleeve - Installing clutch drum bearing
- 1108 893 4700 Assembly drift - Removing/installing piston pin
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1110 893 4700 Assembly drift - Removing clutch drum
- 1114 893 4700 Assembly drift - Installing piston pin
- 1119 850 4201 Test flange - Leakage test
- 1120 893 2400 Press sleeve - Removing clutch drum bearing
- 4112 893 2400 Installing sleeve - Installing oil seal
- 4112 893 2401 Press sleeve - Installing oil seal (starter side)
- 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel
- 4119 890 4501 Puller - Removing flywheel
- 4180 890 3400 Combination wrench - Spark plug
- 4180 893 6400 Setting gauge - Setting valve clearance
- 4224 691 0100 Locking screw - Blocking the crankshaft
- 4282 890 2700 Locking screw - Blocking the crankshaft
- 5910 850 2000 Compression tester - Checking valves, piston rings for leaks
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 2209 Installing tool, 9 - Installing hookless snap rings in piston
- 5910 890 2301 Screwdriver, T20 - Spline socket head screws
- 5910 890 3101 Assembly stand - Holding powerhead for repairs
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 4501 Puller - Removing limiter cap
- 5910 890 8800 Tensioner
- 5910 893 5608 Socket, 13 mm - Removing starter cup/fanwheel

**FS 360, FS 420, FS 420 L (4116)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 890 2201 Installing tool - Flaring rope guide bushing
- 0000 890 2300 Screwdriver
- 0000 890 3700 Jaw - Removing oil seal(s)
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)

**Outdoor Power Tools - Clearing Saws**

0000 893 5903 Locking strip  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1107 191 1200 Locking screw - Blocking the crankshaft  
 1108 893 2405 Press sleeve - Installing oil seal (starter side)  
 1108 893 4700 Assembly drift - Removing pinion shaft  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1110 890 4500 Puller - Removing flywheel  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1114 893 4601 Installing sleeve  
 1118 850 4200 Flange - Leakage test  
 1118 893 2401 Press sleeve - Extension for press arbor No. 22  
 1118 893 7200 Press arbor - Removing/installing ball bearing in gearbox  
 4116 893 4601 Installing sleeve - Fitting oil seal  
 4116 893 4700 Assembly drift - Removing/installing piston pin  
 4116 893 7200 Press arbor - Installing preassembled drive pinion in gear housing  
 4116 893 7205 Press arbor - Installing bearing (output side)  
 4116 894 1000 Thrust piece - Extension for puller No. 4  
 4119 890 4600 Removing tool - Removing crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 890 0106 Socket, T50  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2405 Screwdriver, Q-4x150 - For all hex socket head screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 4402 Puller - Disassembling gearbox

**FS 400, FS 450, FS 480 (4128)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 0816 610 1495 Pliers A10-flat - Removing/installing external circlips  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1115 893 4600 Press sleeve - Installing oil seal (clutch side)  
 1120 893 7200 Press arbor - Removing ball bearing from clutch housing  
 1128 850 4200 Flange  
 4112 893 2400 Installing sleeve - Protecting oil seal (clutch side)

**Outdoor Power Tools - Clearing Saws**

4112 893 2401 Press sleeve - Installing oil seal (starter side)  
 4116 893 4700 Assembly drift - Removing/installing piston pin, clutch drum  
 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4600 Removing tool - Removing crankshaft (clutch side)  
 4119 893 7200 Press arbor - Removing/installing ball bearings  
 4126 893 4900 Installing tool - Removing rubber element from AV sleeve  
 4133 893 0800 Puller - Releasing flywheel  
 4221 893 5900 Locking strip - Blocking the crankshaft  
 5910 007 2200 Service tool ZS - Removing crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2101 Clamping plate - Clamping powerheads to assembly stand  
 5910 890 2202 Installing tool - Installing crankshaft  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Separating handle moldings  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding FS and FR units  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4401 Puller - Disassembling gearbox  
 5910 890 8800 Tensioner - Holding FS units by drive tube for repairs (together with assembly stand)  
 5910 893 2102 Drilled washer  
 5910 893 2700 Clamping jaws - Clamping drive tube/bike handle  
 5910 893 5608 Socket, 13 mm - Removing clutch, flywheel nut, decompression valve  
 5910 893 8800 Assembly hook - Removing pickup body

**FS 500, FS 550, FS 550 L (4116)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 0816 610 1495 Pliers A10-flat - Removing/installing external circlips  
 1108 893 2405 Press sleeve - Installing oil seal (starter side)  
 1108 893 4700 Assembly drift - Removing/installing clutch drum, removing drive pinion from ball bearing  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1110 890 4500 Puller - Releasing flywheel  
 1114 893 4601 Installing sleeve  
 1118 893 7200 Press arbor - Removing/installing ball bearing in clutch housing  
 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel

### Outdoor Power Tools - Clearing Saws

1128 850 4200 Flange  
 4116 893 4601 Installing sleeve - Protecting oil seal (starter side)  
 4116 893 4700 Assembly drift - Removing/installing piston pin, clutch drum  
 4116 893 7200 Press arbor - Installing preassembled drive pinion in gear housing  
 4116 893 7205 Press arbor - Installing ball bearing in gear housing  
 4119 890 4600 Removing tool - Removing crankshaft  
 4237 893 4700 Assembly drift - Removing/installing piston pin  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0106 Socket, T50  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2100 Clamping plate - Clamping powerheads to assembly stand  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Separating handle moldings  
 5910 890 2304 Screwdriver - Adjusting carburetor  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding FS units  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4402 Puller - Disassembling gearbox  
 5910 890 4500 Puller - Removing limiter cap  
 5910 890 8800 Tensioner - Holding FS units by drive tube for repairs (together with assembly stand)  
 5910 893 2700 Clamping jaws - Clamping drive tube/bike handle  
 5910 893 5608 Socket, 13 mm - Clutch and carrier  
 5910 893 6600 Setting disk - Add-on for screwdriver  
 (adjusting carburetor)

### Outdoor Power Tools - Backpack Brushcutters

#### FR 85 T, FR 85 (4137)

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 0816 610 1495 Pliers A10-flat - Removing/installing external circlips  
 1108 893 4700 Assembly drift - Removing/installing clutch drum  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Removing/installing piston pin



**Outdoor Power Tools - Backpack Brushcutters**

1115 893 4600 Press sleeve - Installing oil seal (starter side)  
 1118 893 7200 Press arbor - Removing/installing ball bearing in clutch housing  
 1128 850 4200 Flange  
 4112 893 2400 Installing sleeve - Protecting oil seal (starter side)  
 4112 893 2401 Press sleeve - Installing oil seal (clutch side)  
 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 4118 890 6401 Setting gauge  
 4119 893 7200 Press arbor - Removing/installing ball bearings  
 4126 893 4900 Installing tool - Removing rubber element from AV sleeve  
 4133 893 0800 Puller - Releasing flywheel  
 5910 007 2200 Service tool ZS - Removing crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4  
 5910 850 4520 Ignition system tester, ZAT 3  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2100 Clamping plate - Clamping powerheads to assembly stand  
 5910 890 2202 Installing tool - Installing crankshaft  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Separating handle moldings  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Removing plug from drive tube  
 5910 890 3101 Assembly stand - Holding powerhead for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 1701 Sleeve - Removing ball bearings  
 5910 893 1702 Sleeve - Removing ball bearings  
 5910 893 1708 Sleeve  
 5910 893 2102 Drilled washer  
 5910 893 5608 Socket, 13 mm - Clutch and carrier  
 5910 893 8800 Assembly hook - Removing pickup body

**FR 125, FR 135, FR 145 (4113, 4126, 4135)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 0816 610 1495 Pliers A10-flat - Removing/installing external circlips  
 1108 893 2405 Press sleeve - Installing oil seal (starter side)  
 1108 893 4700 Assembly drift - Removing/installing piston pin  
 1108 893 4800 Wooden assembly block - Fitting piston

**Outdoor Power Tools - Backpack Brushcutters**

1110 141 8600 Hose 135 mm / 5 5/16" - Leakage test  
 1113 893 4600 Press sleeve - Installing oil seal (fan side)  
 1114 893 4700 Assembly drift - Removing/installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (fan side)  
 1118 893 7200 Press arbor - Removing/installing ball bearing  
 1122 893 7200 Assembly drift - Installing clutch drum  
 1124 893 2400 Press sleeve - Pulling together crankcase halves  
 1128 850 4200 Flange  
 1129 893 4600 Installing sleeve - Protecting oil seal (starter side)  
 4112 893 2400 Installing sleeve - Protecting oil seal (starter side)  
 4112 893 2401 Press sleeve - Installing oil seal (starter side)  
 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4501 Puller - Releasing flywheel  
 4119 890 4600 Removing tool - Removing crankshaft  
 4119 893 7200 Press arbor - Removing/installing ball bearings  
 4221 893 5900 Locking strip - Blocking the crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2202 Installing tool - Installing crankshaft  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 1708 Sleeve  
 5910 893 5608 Socket, 13 mm - Clutch and flywheel nut  
 5910 893 8800 Assembly hook - Removing pickup body

**FR 130 T (4180)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 963 1008 Bushing - Add-on for test flange 1119 850 4201  
 1108 893 4700 Assembly drift - Removing/installing piston pin  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (fan side)  
 1119 850 4201 Test flange - Leakage test  
 4112 893 2400 Installing sleeve - Installing oil seal  
 4112 893 2401 Press sleeve - Installing oil seal (starter side)  
 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4501 Puller - Removing flywheel  
 4119 893 2400 Press sleeve - Removing/installing clutch drum bearing  
 4180 890 3400 Combination wrench - Spark plug  
 4180 893 4400 Extension - Removing AV elements, clutch drum  
 4180 893 6400 Setting gauge - Setting valve clearance

**Outdoor Power Tools - Backpack Brushcutters**

4224 691 0100 Locking screw - Blocking the crankshaft  
 4282 890 2700 Locking screw - Blocking the crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2000 Compression tester - Checking valves, piston rings for leaks  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2209 Installing tool, 9 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Spline socket head screws  
 5910 890 3101 Assembly stand - Holding powerhead for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4501 Puller - Removing limiter cap  
 5910 890 8800 Tensioner  
 5910 893 5608 Socket, 13 mm - Removing starter cup/fanwheel

**FR 350, FR 450, FR 480, FR 480 C (4128, 4134)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 0816 610 1495 Pliers A10-flat - Removing/installing external circlips  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Removing/installing clutch drum  
 1115 893 4600 Press sleeve - Installing oil seal (clutch side)  
 1118 893 7200 Press arbor - Installing ball bearing in clutch housing, installing/removing ball bearing in bearing housing in carrying frame  
 1120 893 7200 Press arbor - Removing ball bearing from clutch housing  
 1123 851 8300 Sleeve - Removing crankshaft  
 1128 850 4200 Flange  
 4112 893 2400 Installing sleeve - Protecting oil seal (clutch side)  
 4112 893 2401 Press sleeve - Installing oil seal (starter side)  
 4116 893 4700 Assembly drift - Removing/installing piston pin, clutch drum  
 4116 894 1000 Thrust piece - Extension for puller No. 4  
 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4600 Removing tool - Removing crankshaft (clutch side)  
 4119 893 7200 Press arbor - Removing/installing ball bearings  
 4126 893 4900 Installing tool - Removing rubber element from AV sleeve  
 4133 893 0800 Puller - Releasing flywheel  
 4221 893 5900 Locking strip - Blocking the crankshaft  
 5910 007 2200 Service tool ZS - Removing crankshaft

**Outdoor Power Tools - Backpack Brushcutters**

5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2101 Clamping plate - Clamping powerheads to assembly stand  
 5910 890 2202 Installing tool - Installing crankshaft  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Separating handle moldings  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding FS and FR units  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 8800 Tensioner - Holding FS units by drive tube for repairs (together with assembly stand)  
 5910 893 2102 Drilled washer  
 5910 893 2700 Clamping jaws - Clamping drive tube/bike handle  
 5910 893 5608 Socket, 13 mm - Removing clutch, flywheel nut, decompression valve  
 5910 893 8800 Assembly hook - Removing pickup body  
 9022 341 1190 Spline screw IS-M5x72

**Outdoor Power Tools - Edgers****EC 70 (4803)**

0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 4119 893 7200 Press arbor - Installing plain bearing/needle bearing in bearing housing  
 4221 893 5900 Locking strip - Blocking the crankshaft  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

**FC 55 (4140)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3700 Jaw  
     (profile No. 2) - Removing oil seal(s)  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 540 1112 Socket, T27x140 - "Removing and installing spline socket head screws with electric or pneumatic screwdrivers; releasing clutch drum"  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1107 191 1200 Locking screw - Blocking the crankshaft  
 1108 893 4500 Threaded bushing  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"

**Outdoor Power Tools - Edgers**

1114 893 4601 Installing sleeve - Installing oil seal (starter side)  
 1114 893 4700 Assembly drift - Installing piston pin  
 1115 893 4600 Press sleeve  
 1120 893 2400 Press sleeve  
 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1128 850 4200 Flange  
 1129 893 4600 Installing sleeve  
 4112 893 2400 Installing sleeve  
 4112 893 2401 Press sleeve  
 4130 890 3600 Wrench - Releasing and tightening clutch  
 5805 751 8600 Threaded bushing  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4  
 5910 850 4520 Ignition system tester, ZAT 3  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2204 Installing tool  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2420 Screwdriver, Q-SW 8x200 - Carburetor nuts  
 5910 890 2800 Assembly hook  
 5910 890 3101 Assembly stand  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 8800 Tensioner  
 5910 893 0300 Tensioning wrench - Tension the rewind spring  
 5910 893 8800 Assembly hook - Removing pickup body

**FC 56 (4144)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 9200 Nipple - Checking engine and carburetor for leaks  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3700 Jaw  
 (profile No. 2) - Holding engine pan  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5904 Locking strip - Blocking the crankshaft  
 0812 540 1112 Socket, T27x140 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1108 893 4500 Threaded bushing - Holding engine pan with puller 5910 890 4400  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1121 893 2400 Press sleeve - Installing oil seal  
 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1129 893 2400 Press sleeve - Installing oil seal  
 1130 893 4700 Assembly drift - Removing/installing piston pin  
 4119 893 4600 Installing sleeve - Protecting oil seal

### Outdoor Power Tools - Edgers

4130 890 3600 Wrench - Releasing and tightening clutch  
 5805 751 8600 Threaded bushing - Holding engine pan with puller 5910 890 4400  
 5910 850 4200 Flange - Leakage test  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 1100 Hose clamp - Removing and installing the bearing housing  
 5910 890 2204 Installing tool - Installing and flaring rope guide bushing  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2305 Screwdriver - Adjusting carburetor  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2420 Screwdriver, Q-SW 8x200  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 4400 Puller - Removing oil seal(s)  
 5910 890 4500 Puller  
 5910 890 4501 Puller - Removing limiter cap  
 5910 893 0800 Puller - Removing flywheel  
 5910 893 1708 Sleeve - Installing hookless snap rings in piston  
 5910 893 6600 Setting disk - Add-on for screwdriver  
 (adjusting carburetor)  
 5910 893 8800 Assembly hook - Removing pickup body

### FC 70 C (4144)

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 9200 Nipple - Checking engine and carburetor for leaks  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3700 Jaw  
 (profile No. 2) - Holding engine pan  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5904 Locking strip - Blocking the crankshaft  
 0812 540 1112 Socket, T27x140 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1108 893 4500 Threaded bushing - Holding engine pan with puller 5910 890 4400  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1121 893 2400 Press sleeve - Installing oil seal  
 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1129 893 2400 Press sleeve - Installing oil seal  
 1130 893 4700 Assembly drift - Removing/installing piston pin  
 4119 893 4600 Installing sleeve - Protecting oil seal  
 4130 890 3600 Wrench - Releasing and tightening clutch  
 5805 751 8600 Threaded bushing - Holding engine pan with puller 5910 890 4400  
 5910 850 4200 Flange - Leakage test  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

**Outdoor Power Tools - Edgers**

- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 1100 Hose clamp - Removing and installing the bearing housing
- 5910 890 2204 Installing tool - Installing and flaring rope guide bushing
- 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston
- 5910 890 2305 Screwdriver - Adjusting carburetor
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2420 Screwdriver, Q-SW 8x200
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 4400 Puller - Removing oil seal(s)
- 5910 890 4500 Puller
- 5910 890 4501 Puller - Removing limiter cap
- 5910 893 0800 Puller - Removing flywheel
- 5910 893 1708 Sleeve - Installing hookless snap rings in piston
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8800 Assembly hook - Removing pickup body

**FC 75 (4137)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 0816 610 1495 Pliers A10-flat - Removing/installing external circlips
- 1108 893 4700 Assembly drift - Removing/installing clutch drum
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1114 893 4700 Assembly drift - Removing/installing piston pin
- 1115 893 4600 Press sleeve - Installing oil seal (starter side)
- 1118 893 7200 Press arbor - Removing/installing ball bearing in clutch housing
- 1128 850 4200 Flange
- 4112 893 2400 Installing sleeve - Protecting oil seal (starter side)
- 4112 893 2401 Press sleeve - Installing oil seal (clutch side)
- 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 4118 890 6401 Setting gauge
- 4119 893 7200 Press arbor - Removing/installing ball bearings
- 4126 893 4900 Installing tool - Removing rubber element from AV sleeve
- 4133 893 0800 Puller - Releasing flywheel
- 5910 007 2200 Service tool ZS - Removing crankshaft
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 4503 Ignition system tester, ZAT 4
- 5910 850 4520 Ignition system tester, ZAT 3
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

**Outdoor Power Tools - Edgers**

- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2100 Clamping plate - Clamping powerheads to assembly stand
- 5910 890 2202 Installing tool - Installing crankshaft
- 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston
- 5910 890 2301 Screwdriver, T20 - Separating handle moldings
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2800 Assembly hook - Removing plug from drive tube
- 5910 890 3101 Assembly stand - Holding powerhead for repairs
- 5910 890 4400 Puller - Removing oil seals
- 5910 893 1701 Sleeve - Removing ball bearings
- 5910 893 1702 Sleeve - Removing ball bearings
- 5910 893 1708 Sleeve
- 5910 893 2102 Drilled washer
- 5910 893 5608 Socket, 13 mm - Clutch and carrier
- 5910 893 8800 Assembly hook - Removing pickup body

**FC 85 (4137)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 0816 610 1495 Pliers A10-flat - Removing/installing external circlips
- 1108 893 4700 Assembly drift - Removing/installing clutch drum
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1114 893 4700 Assembly drift - Removing/installing piston pin
- 1115 893 4600 Press sleeve - Installing oil seal (starter side)
- 1118 893 7200 Press arbor - Removing/installing ball bearing in clutch housing
- 1128 850 4200 Flange
- 4112 893 2400 Installing sleeve - Protecting oil seal (starter side)
- 4112 893 2401 Press sleeve - Installing oil seal (clutch side)
- 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 4118 890 6401 Setting gauge
- 4119 893 7200 Press arbor - Removing/installing ball bearings
- 4126 893 4900 Installing tool - Removing rubber element from AV sleeve
- 4133 893 0800 Puller - Releasing flywheel
- 5910 007 2200 Service tool ZS - Removing crankshaft
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 850 4503 Ignition system tester, ZAT 4
- 5910 850 4520 Ignition system tester, ZAT 3
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm



**Outdoor Power Tools - Edgers**

- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2100 Clamping plate - Clamping powerheads to assembly stand
- 5910 890 2202 Installing tool - Installing crankshaft
- 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston
- 5910 890 2301 Screwdriver, T20 - Separating handle moldings
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2800 Assembly hook - Removing plug from drive tube
- 5910 890 3101 Assembly stand - Holding powerhead for repairs
- 5910 890 4400 Puller - Removing oil seals
- 5910 893 1701 Sleeve - Removing ball bearings
- 5910 893 1702 Sleeve - Removing ball bearings
- 5910 893 2102 Drilled washer
- 5910 893 5608 Socket, 13 mm - Clutch and carrier
- 5910 893 8800 Assembly hook - Removing pickup body

**FC 90, FC 95 (4180)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 890 1701 Testing tool kit
- 0000 963 1008 Bushing - Add-on for test flange 1119 850 4201
- 1108 893 4700 Assembly drift - Removing/installing piston pin
- 1114 893 4700 Assembly drift - Installing piston pin
- 1115 893 4600 Press sleeve - Installing oil seal (fan side)
- 1119 850 4201 Test flange - Leakage test
- 4112 893 2400 Installing sleeve - Installing oil seal
- 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel
- 4119 890 4501 Puller - Removing fanwheel
- 4119 893 2400 Press sleeve - Removing/installing clutch drum bearing
- 4180 890 3400 Combination wrench - Spark plug
- 4180 893 4400 Extension - Removing AV elements, clutch drum
- 4180 893 6400 Setting gauge - Setting valve clearance
- 4224 691 0100 Locking screw - Blocking the crankshaft
- 4282 890 2700 Locking screw - Blocking the crankshaft
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2000 Compression tester - Checking valves, piston rings for leaks
- 5910 850 2100 Clamping plate
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston
- 5910 890 2301 Screwdriver, T20 - Spline socket head screws
- 5910 890 3101 Assembly stand - Holding powerhead for repairs
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 4501 Puller - Removing limiter cap
- 5910 890 4602 Removing tool - Removing clutch drum
- 5910 893 1708 Sleeve
- 5910 893 5608 Socket, 13 mm - Removing starter cup/fanwheel

**FC 100, FC 110 (4180)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port

### Outdoor Power Tools - Edgers

0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 963 1008 Bushing - Add-on for test flange 1119 850 4201  
 1108 893 4700 Assembly drift - Removing/installing piston pin  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (fan side)  
 1119 850 4201 Test flange - Leakage test  
 4112 893 2400 Installing sleeve - Installing oil seal  
 4112 893 2401 Press sleeve - Installing oil seal (starter side)  
 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4501 Puller - Removing flywheel  
 4119 893 2400 Press sleeve - Removing/installing clutch drum bearing  
 4180 890 3400 Combination wrench - Spark plug  
 4180 893 4400 Extension - Removing AV elements, clutch drum  
 4180 893 6400 Setting gauge - Setting valve clearance  
 4224 691 0100 Locking screw - Blocking the crankshaft  
 4282 890 2700 Locking screw - Blocking the crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2000 Compression tester - Checking valves, piston rings for leaks  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Spline socket head screws  
 5910 890 3101 Assembly stand - Holding powerhead for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4501 Puller - Removing limiter cap  
 5910 890 4602 Removing tool - Removing clutch drum  
 5910 893 1708 Sleeve  
 5910 893 5608 Socket, 13 mm - Removing starter cup/fanwheel

### Outdoor Power Tools - Hedge Trimmers

#### HS 45 (4228)

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 540 1112 Socket, T27x140 - "Removing and installing spline socket head screws with electric or pneumatic screwdrivers; releasing clutch drum"  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1118 893 7200 Press arbor - Removing/installing ball bearings

**Outdoor Power Tools - Hedge Trimmers**

4133 893 1301 Wrench - Releasing and tightening clutch  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2204 Installing tool - Installing and flaring rope guide bushing  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2420 Screwdriver, Q-SW 8x200 - Carburetor nuts  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 893 8800 Assembly hook - Removing pickup body

**HS 60, HS 61 (4211)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Removing/installing piston pin  
 4112 893 1200 Locking screw for piston - Blocking the crankshaft  
 4112 893 2400 Installing sleeve - Protecting oil seal  
 4112 893 2401 Press sleeve - Installing oil seal  
 4211 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0101 Socket, 4 mm - Tightening cylinder base screws  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2101 Clamping plate - Clamping powerheads to assembly stand  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2405 Screwdriver, Q-4x150 - For all hex socket head screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding hedge trimmers for repairs  
 5910 893 1708 Sleeve  
 5910 893 8800 Assembly hook - Removing pickup body

**HS 72, HS 74, HS 76 (4226)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)

**Outdoor Power Tools - Hedge Trimmers**

0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0000 963 1008 Bushing - Add-on for test flange 1106 850 4201 and 1119 850 4201  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Removing/installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (starter side)  
 1118 893 7200 Press arbor - Removing/installing ball bearing in clutch drum  
 1128 850 4200 Flange  
 4112 893 2400 Installing sleeve - Protecting oil seal (starter side)  
 4112 893 2401 Press sleeve - Installing oil seal (fan side)  
 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4501 Puller - Removing crankshaft (starter side only)  
 4119 893 7200 Press arbor - Removing/installing crankshaft bearings  
 4133 893 0800 Puller - Removing flywheel  
 4226 890 3600 Wrench - Adjusting brake band  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2100 Clamping plate - Clamping powerheads to assembly stand  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding hedge trimmers for repairs  
 5910 893 1708 Sleeve  
 5910 893 5608 Socket, 13 mm - Starter carrier  
 5910 893 8800 Assembly hook - Removing pickup body

**HS 75, HS 80, HS 85 (4226)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0000 963 1008 Bushing - Add-on for test flange 1106 850 4201 and 1119 850 4201  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench

**Outdoor Power Tools - Hedge Trimmers**

1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Removing/installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (clutch side)  
 1118 893 7200 Press arbor - Removing/installing ball bearing in clutch housing  
 1128 850 4200 Flange  
 4112 893 2400 Installing sleeve - Protecting oil seal (clutch side)  
 4112 893 2401 Press sleeve - Installing oil seal (starter side)  
 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4501 Puller - Removing crankshaft (starter side only)  
 4133 893 0800 Puller - Releasing flywheel  
 4133 893 1301 Wrench - Releasing and tightening clutch  
 4226 890 3600 Wrench - Adjusting brake band  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2100 Clamping plate - Clamping powerheads to assembly stand  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding hedge trimmers for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 1708 Sleeve  
 5910 893 2102 Drilled washer  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 8800 Assembly hook - Removing pickup body

**HS 81 R, HS 81 RC, HS 81 T, HS 81 TC, HS 86 R, HS 86 T (4237)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 890 1701 Testing tool kit  
 0000 893 2600 Clamping strap - Clamping piston rings  
 1128 850 4200 Flange  
 4112 893 2401 Press sleeve - Installing oil seal (starter side)  
 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 893 4600 Installing sleeve - Protecting oil seal (ignition side)  
 4224 691 0100 Locking screw - Blocking the crankshaft  
 4237 890 2200 Service tool, trimmer gearbox connecting rod  
 4237 890 2201 Service tool, trimmer clutch drum  
 4237 890 2202 Service tool, trimmer clutch drum  
 4237 890 2203 Service tool, clutch  
 4237 893 4700 Assembly drift - Removing/installing piston pin  
 4282 890 2700 Locking screw - Blocking the crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4

**Outdoor Power Tools - Hedge Trimmers**

5910 850 4520 Ignition system tester, ZAT 3  
 5910 890 0301 Torque wrench  
 5910 890 0311 Torque wrench  
 5910 890 2204 Installing tool - Flaring rope guide bushing  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 3101 Assembly stand - Holding hedge trimmers for repairs  
 5910 890 4400 Puller  
 5910 890 4501 Puller - Removing limiter cap  
 5910 890 4601 Removing tool - Removing crankshaft  
 5910 893 0801 Puller - Removing flywheel  
 5910 893 1708 Sleeve  
 5910 893 8800 Assembly hook  
 5910 894 2102 Clamping plate

**HS 242, HS 246 (4213)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Removing/installing piston pin  
 4112 893 1200 Locking screw for piston - Blocking the crankshaft  
 4112 893 2400 Installing sleeve - Protecting oil seal  
 4112 893 2401 Press sleeve - Installing oil seal  
 4211 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 5910 850 2100 Clamping plate  
 5910 890 0101 Socket, 4 mm - Tightening cylinder base screws  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2101 Clamping plate - Clamping powerheads to assembly stand  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2405 Screwdriver, Q-4x150 - For all hex socket head screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding hedge trimmers for repairs  
 5910 893 1708 Sleeve  
 5910 893 8800 Assembly hook - Removing pickup body

**Outdoor Power Tools - Cordless hedge trimmers****HSA 65, HSA 85 (4851)**

5910 007 1500 Set of testing tools - Testing electrical components  
 5910 840 0900 Test lead switch lever - Testing switch (switch lever)

**Outdoor Power Tools - Cordless hedge trimmers**

- 5910 840 0901 Test lead trigger switch - Testing switch (trigger switch)
- 5910 843 0200 Laboratory resistor

**Outdoor Power Tools - Hedge Cutters****HL 45 (4232)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3700 Jaw  
(profile No. 2) - Removing oil seal(s)
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0812 540 1112 Socket, T27x140 - "Removing and installing spline socket head screws with electric or pneumatic screwdrivers; releasing clutch drum"
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4500 Threaded bushing
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1114 893 4601 Installing sleeve - Installing oil seal (starter side)
- 1114 893 4700 Assembly drift - Installing piston pin
- 1115 893 4600 Press sleeve
- 1120 893 2400 Press sleeve - Installing oil seal (clutch side)
- 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1128 850 4200 Flange
- 1129 893 4600 Installing sleeve
- 4112 893 2400 Installing sleeve
- 4112 893 2401 Press sleeve
- 4130 890 3600 Wrench - Releasing and tightening clutch
- 4221 893 5900 Locking strip - Blocking the crankshaft
- 5805 751 8600 Threaded bushing
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 850 4503 Ignition system tester, ZAT 4
- 5910 850 4520 Ignition system tester, ZAT 3
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2204 Installing tool
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2420 Screwdriver, Q-SW 8x200 - Carburetor nuts
- 5910 890 2800 Assembly hook
- 5910 890 3101 Assembly stand
- 5910 890 8800 Tensioner

**Outdoor Power Tools - Hedge Cutters**

- 5910 893 0300 Tensioning wrench - Tension the rewind spring
- 5910 893 8800 Assembly hook - Removing pickup body

**HL 75, HL 75 K (4230)**

- 0811 611 8200 Pliers A10 - Removing/installing external circlips
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

**HL 90 K, HL 95, HL 95 K (4280)**

- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 963 1008 Bushing - Add-on for test flange 1119 850 4201
- 1108 893 4700 Assembly drift - Removing/installing piston pin
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1114 893 4700 Assembly drift - Installing piston pin
- 1115 893 4600 Press sleeve - Installing oil seal (fan side)
- 1119 850 4201 Test flange - Leakage test
- 4112 893 2400 Installing sleeve - Installing oil seal
- 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel
- 4119 890 4501 Puller - Removing flywheel
- 4119 893 2400 Press sleeve - Removing/installing clutch drum bearing
- 4180 890 3400 Combination wrench - Spark plug
- 4180 893 4400 Extension - Removing AV elements, clutch drum
- 4180 893 6400 Setting gauge - Setting valve clearance
- 4224 691 0100 Locking screw - Blocking the crankshaft
- 4282 890 2700 Locking screw - Blocking the crankshaft
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2000 Compression tester - Checking valves, piston rings for leaks
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston
- 5910 890 2301 Screwdriver, T20 - Spline socket head screws
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 4501 Puller - Removing limiter cap
- 5910 890 4602 Removing tool - Removing clutch drum
- 5910 893 1708 Sleeve
- 5910 893 5608 Socket, 13 mm - Removing starter cup/fanwheel

**HL 100, HL 100 K (4280)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 963 1008 Bushing - Add-on for test flange 1119 850 4201
- 1108 893 4700 Assembly drift - Removing/installing piston pin



**Outdoor Power Tools - Hedge Cutters**

1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (fan side)  
 1119 850 4201 Test flange - Leakage test  
 4112 893 2400 Installing sleeve - Installing oil seal  
 4112 893 2401 Press sleeve - Installing oil seal (starter side)  
 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4501 Puller - Removing flywheel  
 4119 893 2400 Press sleeve - Removing/installing clutch drum bearing  
 4180 890 3400 Combination wrench - Spark plug  
 4180 893 4400 Extension - Removing AV elements, clutch drum  
 4180 893 6400 Setting gauge - Setting valve clearance  
 4224 691 0100 Locking screw - Blocking the crankshaft  
 4282 890 2700 Locking screw - Blocking the crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2000 Compression tester - Checking valves, piston rings for leaks  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Spline socket head screws  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4501 Puller - Removing limiter cap  
 5910 890 4602 Removing tool - Removing clutch drum  
 5910 893 1708 Sleeve  
 5910 893 5608 Socket, 13 mm - Removing starter cup/fanwheel

**Outdoor Power Tools - Special-purpose Units****SP 90, SP 90 T (4249)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 893 3703 Jaw (profile No. 7) - Removing ball bearings  
 0000 963 1008 Bushing - Add-on for test flange 1119 850 4201  
 1108 893 4700 Assembly drift - Removing/installing piston pin  
 1114 893 4601 Installing sleeve - Removing/installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (fan side)  
 1123 893 2400 Press sleeve  
 4112 893 2400 Installing sleeve - Installing oil seal  
 4112 893 6400 Ring gauge  
 4116 894 1000 Thrust piece  
 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 893 2400 Press sleeve - Removing/installing clutch drum bearing

**Outdoor Power Tools - Special-purpose Units**

4119 893 7200 Press arbor  
 4180 890 3400 Combination wrench - Spark plug  
 4180 893 4400 Extension - Removing AV elements, clutch drum  
 4180 893 6400 Setting gauge  
 4224 691 0100 Locking screw - Blocking the crankshaft  
 4237 893 4700 Assembly drift - Removing/installing piston pin  
 4249 893 1100 Installing mandrel  
 4249 893 9400 Centering pin - Installing piston pin  
 4282 890 2700 Locking screw - Blocking the crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2000 Compression tester - Checking valves, piston rings for leaks  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2208 Installing tool, 8  
 5910 890 2301 Screwdriver, T20 - Spline socket head screws  
 5910 890 2800 Assembly hook  
 5910 890 3101 Assembly stand - Holding powerhead for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4501 Puller - Removing limiter cap  
 5910 890 4602 Removing tool - Removing clutch drum  
 5910 893 1708 Sleeve  
 5910 893 5608 Socket, 13 mm - Removing starter cup/fanwheel

**SP 451, SP 481 (4246)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seals  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 032 2002 Wrench 27 - Screw joint, pushrod/drive tube assembly  
 0812 032 2003 Wrench 34 - Screw joint, pushrod/drive tube assembly  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1110 893 4700 Assembly drift - Removing/installing piston pin  
 1118 893 2401 Press sleeve - Installing oil seal (clutch side)  
 1118 893 7200 Press arbor - Removing ball bearing from clutch housing  
 1120 893 7200 Press arbor - Removing ball bearing from clutch housing  
 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1128 850 4200 Flange  
 4112 893 2400 Installing sleeve - Protecting oil seal (clutch side)  
 4112 893 2401 Press sleeve - Installing oil seal (starter side)  
 4119 890 4600 Removing tool - Removing crankshaft (clutch side)  
 4119 893 7200 Press arbor - Removing/installing ball bearings

**Outdoor Power Tools - Special-purpose Units**

4133 893 0800 Puller - Releasing flywheel  
 4221 893 5900 Locking strip - Blocking the crankshaft  
 4246 890 4500 Puller - Removing gears  
 4246 893 1300 Wrench - Removing and installing the crownwheel  
 4246 893 7800 Locking pin - Marking and aligning the crank webs  
 5910 890 0107 Socket, 6 mm - Removing and installing the crownwheel  
 5910 890 0108 Socket, 19 mm - Screw plug on pushrod retainer  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2202 Installing tool - Installing crankshaft  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Separating handle moldings  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 1300 Wrench 10x11 - Screw joint, powerhead/attachment  
 5910 893 5608 Socket, 13 mm - Removing clutch, flywheel nut, decompression valve  
 5910 893 8800 Assembly hook - Removing pickup body

**MC 200 (4245)**

1129 893 4600 Installing sleeve  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2420 Screwdriver, Q-SW 8x200

**Outdoor Power Tools - Pole saws****FT 100 (4183)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 963 1008 Bushing - Add-on for test flange 1119 850 4201  
 1108 893 4700 Assembly drift - Removing/installing piston pin  
 1114 893 4700 Assembly drift - Installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (fan side)  
 4112 893 2400 Installing sleeve - Installing oil seal  
 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 893 2400 Press sleeve - Removing/installing clutch drum bearing  
 4180 890 3400 Combination wrench - Spark plug  
 4180 893 4400 Extension - Removing AV elements, clutch drum  
 4180 893 6400 Setting gauge  
 4224 691 0100 Locking screw - Blocking the crankshaft  
 4282 890 2700 Locking screw - Blocking the crankshaft

**Outdoor Power Tools - Pole saws**

5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2000 Compression tester - Checking valves, piston rings for leaks  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2208 Installing tool, 8  
 5910 890 2301 Screwdriver, T20 - Spline socket head screws  
 5910 890 3101 Assembly stand - Holding powerhead for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4501 Puller - Removing limiter cap  
 5910 890 4602 Removing tool - Removing clutch drum  
 5910 893 1708 Sleeve  
 5910 893 5608 Socket, 13 mm - Removing starter cup/fanwheel

**Outdoor Power Tools - Mistblowers****SR 340, SR 420 (4203)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1110 893 4700 Assembly drift - Removing/installing piston pin  
 1113 893 4600 Press sleeve - Installing oil seal(s)  
 1118 850 4200 Flange - Leakage test  
 1118 893 7200 Press arbor - Removing/installing ball bearing  
 1128 850 4200 Flange  
 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4501 Puller - Releasing flywheel  
 4203 893 4600 Installing sleeve - Compressing springs in control handle  
 4237 893 4700 Assembly drift - Removing/installing piston pin  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm

**Outdoor Power Tools - Mistblowers**

- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2100 Clamping plate - Clamping powerheads to assembly stand
- 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston
- 5910 890 2304 Screwdriver - Adjusting carburetor
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 3101 Assembly stand - Mounting power tool to workbench
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 4500 Puller - Removing limiter cap
- 5910 890 4601 Removing tool - Removing crankshaft
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 9022 341 1190 Spline screw IS-M5x72 - Removing crankshaft

**SR 430, SR 450 (4244)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 893 5904 Locking strip - Blocking the crankshaft
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4500 Threaded bushing - Holding engine pan with puller 5910 890 4400
- 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks
- 1116 893 4800 Installing tool - Rewinding rewind spring
- 1118 893 4602 Installing sleeve - Protecting oil seal (clutch side)
- 1130 893 4700 Assembly drift - Removing/installing piston pin
- 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel
- 4244 893 2600 Clamping strap - Clamping piston rings
- 5910 850 4200 Flange - Leakage test
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2212 Installing tool, 12 - Installing hookless snap rings in piston
- 5910 890 2305 Screwdriver - Adjusting carburetor
- 5910 890 2415 Screwdriver, T27x200
- 5910 890 2420 Screwdriver, Q-SW 8x200 - Carburetor nuts
- 5910 890 4501 Puller - Removing limiter cap
- 5910 893 0801 Puller - Releasing flywheel
- 5910 893 1706 Sleeve - Installing hookless snap rings in piston
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8800 Assembly hook - Removing pickup body

**Outdoor Power Tools - KombiTools****BG-KM (4606)**

1119 893 2410 Installing sleeve - Press ball bearing on to drive shaft

**FH-KM, HL-KM (4230)**

0000 893 3700 Jaw

(profile No. 2) - Removing oil seal(s)

0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench

4119 893 7200 Press arbor - Removing/installing ball bearings

5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm

5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

5910 890 2400 Screwdriver, T27x150 - For all IS screws

5910 890 4400 Puller - Removing oil seal(s)

**FS-KM (4137)**

0000 893 3700 Jaw

(profile No. 2) - Removing oil seal(s)

0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench

4119 893 7200 Press arbor - Removing/installing ball bearings

5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm

5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

5910 890 2400 Screwdriver, T27x150 - For all IS screws

5910 890 4400 Puller - Removing oil seal(s)

5910 893 2102 Drilled washer

**HT-KM (4182)**

0000 893 3700 Jaw

(profile No. 2) - Removing oil seal(s)

0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench

1123 894 7700 Guide - Removing oil pump

4119 893 7200 Press arbor - Removing/installing ball bearings

5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm

5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

5910 890 2400 Screwdriver, T27x150 - For all IS screws

5910 890 4400 Puller - Removing oil seal(s)

**KB-KM, KW-KM (4601)**

0000 893 3700 Jaw

(profile No. 2) - Removing oil seal(s)

0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench

4119 893 7200 Press arbor - Removing/installing ball bearings

5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm

5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

**Outdoor Power Tools - KombiTools**

- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 4400 Puller - Removing oil seal(s)

**SP-KM (4249)**

- 0000 893 3703 Jaw (profile No. 7) - Removing ball bearings
- 0816 610 1451 Pliers A3
- 1114 893 4601 Installing sleeve - Removing/installing piston pin
- 1123 893 2400 Press sleeve
- 4112 893 6400 Ring gauge
- 4116 894 1000 Thrust piece
- 4119 893 7200 Press arbor - Installing plain bearing/needle bearing in bearing housing
- 4237 893 4700 Assembly drift - Removing/installing piston pin
- 4249 893 1100 Installing mandrel
- 4249 893 9400 Centering pin - Installing piston pin
- 5910 890 2800 Assembly hook - Removing plug from drive tube
- 5910 890 4400 Puller - Removing ball bearings

**Outdoor Power Tools - KombiEngines****KM 55, KM 55 C, KM 55 R, KM 55 RC (4140)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3700 Jaw  
(profile No. 2) - Removing oil seal(s)
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0812 540 1112 Socket, T27x140 - "Removing and installing spline socket head screws with electric or pneumatic screwdrivers; releasing clutch drum"
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1107 191 1200 Locking screw - Blocking the crankshaft
- 1108 893 4500 Threaded bushing
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1114 893 4601 Installing sleeve - Installing oil seal (starter side)
- 1114 893 4700 Assembly drift - Installing piston pin
- 1115 893 4600 Press sleeve
- 1120 893 2400 Press sleeve - Installing oil seal (clutch side)
- 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1128 850 4200 Flange
- 1129 893 4600 Installing sleeve
- 4112 893 2400 Installing sleeve
- 4112 893 2401 Press sleeve
- 4130 890 3600 Wrench - Releasing and tightening clutch

**Outdoor Power Tools - KombiEngines**

5805 751 8600 Threaded bushing  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4  
 5910 850 4520 Ignition system tester, ZAT 3  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2204 Installing tool  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2420 Screwdriver, Q-SW 8x200 - Carburetor nuts  
 5910 890 2800 Assembly hook  
 5910 890 3101 Assembly stand  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 8800 Tensioner  
 5910 893 0300 Tensioning wrench - Tension the rewind spring  
 5910 893 8800 Assembly hook - Removing pickup body

**KM 56 C, KM 56 RC (4144)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 9200 Nipple - Checking engine and carburetor for leaks  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3700 Jaw  
 (profile No. 2) - Holding engine pan  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5904 Locking strip - Blocking the crankshaft  
 0812 540 1112 Socket, T27x140 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1108 893 4500 Threaded bushing - Holding engine pan with puller 5910 890 4400  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1121 893 2400 Press sleeve - Installing oil seal  
 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1129 893 2400 Press sleeve - Installing oil seal  
 1130 893 4700 Assembly drift - Removing/installing piston pin  
 4119 893 4600 Installing sleeve - Protecting oil seal  
 4130 890 3600 Wrench - Releasing and tightening clutch  
 5805 751 8600 Threaded bushing - Holding engine pan with puller 5910 890 4400  
 5910 850 4200 Flange - Leakage test  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 1100 Hose clamp - Removing and installing the bearing housing  
 5910 890 2204 Installing tool - Installing and flaring rope guide bushing  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston



**Outdoor Power Tools - KombiEngines**

- 5910 890 2305 Screwdriver - Adjusting carburetor
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2420 Screwdriver, Q-SW 8x200
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 4400 Puller - Removing oil seal(s)
- 5910 890 4500 Puller
- 5910 890 4501 Puller - Removing limiter cap
- 5910 893 0800 Puller - Removing flywheel
- 5910 893 1708 Sleeve - Installing hookless snap rings in piston
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8800 Assembly hook - Removing pickup body

**KM 85, KM 85 R (4137)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 0816 610 1495 Pliers A10-flat - Removing/installing external circlips
- 1108 893 4700 Assembly drift - Removing/installing clutch drum
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1114 893 4700 Assembly drift - Removing/installing piston pin
- 1115 893 4600 Press sleeve - Installing oil seal (starter side)
- 1118 893 7200 Press arbor - Removing/installing ball bearing in clutch housing
- 1128 850 4200 Flange
- 4112 893 2400 Installing sleeve - Protecting oil seal (starter side)
- 4112 893 2401 Press sleeve - Installing oil seal (clutch side)
- 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 4118 890 6401 Setting gauge
- 4119 893 7200 Press arbor - Removing/installing ball bearings
- 4126 893 4900 Installing tool - Removing rubber element from AV sleeve
- 4133 893 0800 Puller - Releasing flywheel
- 5910 007 2200 Service tool ZS - Removing crankshaft
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 4503 Ignition system tester, ZAT 4
- 5910 850 4520 Ignition system tester, ZAT 3
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2100 Clamping plate - Clamping powerheads to assembly stand
- 5910 890 2202 Installing tool - Installing crankshaft
- 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston

**Outdoor Power Tools - KombiEngines**

5910 890 2301 Screwdriver, T20 - Separating handle moldings  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Removing plug from drive tube  
 5910 890 3101 Assembly stand - Holding powerhead for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 1701 Sleeve - Removing ball bearings  
 5910 893 1702 Sleeve - Removing ball bearings  
 5910 893 1708 Sleeve  
 5910 893 2102 Drilled washer  
 5910 893 5608 Socket, 13 mm - Clutch and carrier  
 5910 893 8800 Assembly hook - Removing pickup body

**KM 90, KM 90 R (4180)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 890 1701 Testing tool kit  
 0000 963 1008 Bushing - Add-on for test flange 1119 850 4201  
 1108 893 4700 Assembly drift - Removing/installing piston pin  
 1114 893 4700 Assembly drift - Installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (fan side)  
 1119 850 4201 Test flange - Leakage test  
 4112 893 2400 Installing sleeve - Installing oil seal  
 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4501 Puller - Removing fanwheel  
 4119 893 2400 Press sleeve - Removing/installing clutch drum bearing  
 4180 890 3400 Combination wrench - Spark plug  
 4180 893 4400 Extension - Removing AV elements, clutch drum  
 4180 893 6400 Setting gauge - Setting valve clearance  
 4224 691 0100 Locking screw - Blocking the crankshaft  
 4282 890 2700 Locking screw - Blocking the crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2000 Compression tester - Checking valves, piston rings for leaks  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Spline socket head screws  
 5910 890 3101 Assembly stand - Holding powerhead for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4501 Puller - Removing limiter cap  
 5910 890 4602 Removing tool - Removing clutch drum  
 5910 893 1708 Sleeve  
 5910 893 5608 Socket, 13 mm - Removing starter cup/fanwheel

**KM 100, KM 100 R, KM 110 R (4180)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks

**Outdoor Power Tools - KombiEngines**

0000 890 1701 Testing tool kit  
 0000 963 1008 Bushing - Add-on for test flange 1119 850 4201  
 1108 893 4700 Assembly drift - Removing/installing piston pin  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (fan side)  
 1119 850 4201 Test flange - Leakage test  
 4112 893 2400 Installing sleeve - Installing oil seal  
 4112 893 2401 Press sleeve - Installing oil seal (starter side)  
 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4501 Puller - Removing flywheel  
 4119 893 2400 Press sleeve - Removing/installing clutch drum bearing  
 4180 890 3400 Combination wrench - Spark plug  
 4180 893 4400 Extension - Removing AV elements, clutch drum  
 4180 893 6400 Setting gauge - Setting valve clearance  
 4224 691 0100 Locking screw - Blocking the crankshaft  
 4282 890 2700 Locking screw - Blocking the crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2000 Compression tester - Checking valves, piston rings for leaks  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Spline socket head screws  
 5910 890 3101 Assembly stand - Holding powerhead for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4501 Puller - Removing limiter cap  
 5910 890 4602 Removing tool - Removing clutch drum  
 5910 893 1708 Sleeve  
 5910 893 5608 Socket, 13 mm - Removing starter cup/fanwheel

**KM 130, KM 130 R (4180)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 890 1701 Testing tool kit  
 0000 963 1008 Bushing - Add-on for test flange 1119 850 4201  
 1108 893 4700 Assembly drift - Removing/installing piston pin  
 1114 893 4700 Assembly drift - Installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (fan side)  
 1119 850 4201 Test flange - Leakage test  
 4112 893 2400 Installing sleeve - Installing oil seal  
 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4501 Puller - Removing fanwheel  
 4119 893 2400 Press sleeve - Removing/installing clutch drum bearing  
 4180 890 3400 Combination wrench - Spark plug  
 4180 893 4400 Extension - Removing AV elements, clutch drum

### Outdoor Power Tools - KombiEngines

4180 893 6400 Setting gauge - Setting valve clearance  
 4224 691 0100 Locking screw - Blocking the crankshaft  
 4282 890 2700 Locking screw - Blocking the crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2000 Compression tester - Checking valves, piston rings for leaks  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Spline socket head screws  
 5910 890 3101 Assembly stand - Holding powerhead for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4501 Puller - Removing limiter cap  
 5910 890 4602 Removing tool - Removing clutch drum  
 5910 893 1708 Sleeve  
 5910 893 5608 Socket, 13 mm - Removing starter cup/fanwheel

### Outdoor Power Tools - KombiAttachmentEngines

#### KA 85 R (4137)

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 0816 610 1495 Pliers A10-flat - Removing/installing external circlips  
 1108 893 4700 Assembly drift - Removing/installing clutch drum  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Removing/installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (starter side)  
 1118 893 7200 Press arbor - Removing/installing ball bearing in clutch housing  
 1128 850 4200 Flange  
 4112 893 2400 Installing sleeve - Protecting oil seal (starter side)  
 4112 893 2401 Press sleeve - Installing oil seal (clutch side)  
 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 4118 890 6401 Setting gauge  
 4119 893 7200 Press arbor - Removing/installing ball bearings  
 4126 893 4900 Installing tool - Removing rubber element from AV sleeve  
 4133 893 0800 Puller - Releasing flywheel

**Outdoor Power Tools - KombiAttachmentEngines**

5910 007 2200 Service tool ZS - Removing crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4  
 5910 850 4520 Ignition system tester, ZAT 3  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2100 Clamping plate - Clamping powerheads to assembly stand  
 5910 890 2202 Installing tool - Installing crankshaft  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Separating handle moldings  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Removing plug from drive tube  
 5910 890 3101 Assembly stand - Holding powerhead for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 1701 Sleeve - Removing ball bearings  
 5910 893 1702 Sleeve - Removing ball bearings  
 5910 893 1708 Sleeve  
 5910 893 2102 Drilled washer  
 5910 893 5608 Socket, 13 mm - Clutch and carrier  
 5910 893 8800 Assembly hook - Removing pickup body

**KR 85 (4137)**

0000 850 1300 Pump  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple  
 0000 890 1701 Testing tool kit  
 0000 893 2600 Clamping strap  
 0000 893 3706 Jaw (profile No. 3.1 and 4)  
 0812 542 2104 Socket, T27x125  
 0816 610 1495 Pliers A10-flat  
 1108 893 4700 Assembly drift - Removing/installing clutch drum  
 1108 893 4800 Wooden assembly block  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Removing/installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (starter side)  
 1118 893 7200 Press arbor - Removing/installing ball bearing in clutch housing  
 1128 850 4200 Flange  
 4112 893 2400 Installing sleeve - Protecting oil seal (starter side)  
 4112 893 2401 Press sleeve  
 4118 890 6400 Setting gauge  
 4118 890 6401 Setting gauge  
 4119 893 7200 Press arbor - Removing/installing ball bearings  
 4126 893 4900 Installing tool - Removing rubber element from AV sleeve  
 4133 893 0800 Puller - Releasing flywheel  
 5910 007 2200 Service tool ZS - Removing crankshaft  
 5910 850 1008 Tachometer EDT 7

**Outdoor Power Tools - KombiAttachmentEngines**

5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4  
 5910 850 4520 Ignition system tester, ZAT 3  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2100 Clamping plate  
 5910 890 2202 Installing tool - Installing crankshaft  
 5910 890 2208 Installing tool, 8  
 5910 890 2301 Screwdriver, T20  
 5910 890 2400 Screwdriver, T27x150  
 5910 890 2800 Assembly hook - Removing plug from drive tube  
 5910 890 3101 Assembly stand - Holding powerhead for repairs  
 5910 890 4400 Puller  
 5910 893 1701 Sleeve - Removing ball bearings  
 5910 893 1702 Sleeve - Removing ball bearings  
 5910 893 2102 Drilled washer  
 5910 893 5608 Socket, 13 mm - Clutch and carrier  
 5910 893 8800 Assembly hook

**Outdoor Power Tools - MultiTools****BF-MM, BK-MM, FC-MM, RL-MM, MF-MM, KW-MM, KB-MM (4601)**

0000 893 3700 Jaw  
 (profile No. 2) - Removing oil seal(s)  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 4119 893 7200 Press arbor - Removing/installing ball bearings  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 4400 Puller - Removing oil seal(s)

**Outdoor Power Tools - Power Tool Attachments****FH, HL (4230)**

0000 893 3700 Jaw  
 (profile No. 2) - Removing oil seal(s)  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1111 893 4700 Assembly drift

**Outdoor Power Tools - Power Tool Attachments**

- 4119 893 7200 Press arbor - Removing/installing ball bearings
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 4400 Puller - Removing oil seal(s)

**FS (4137)**

- 0000 893 3700 Jaw  
(profile No. 2) - Removing oil seal(s)
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 4119 893 7200 Press arbor - Removing/installing ball bearings
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 4400 Puller - Removing oil seal(s)
- 5910 893 2102 Drilled washer

**HT (4182)**

- 0000 893 3700 Jaw  
(profile No. 2) - Removing oil seal(s)
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1123 894 7700 Guide - Removing oil pump
- 4119 893 7200 Press arbor - Removing/installing ball bearings
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 4400 Puller - Removing oil seal(s)

**KB, KW (4601)**

- 0000 893 3700 Jaw  
(profile No. 2) - Removing oil seal(s)
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 4119 893 7200 Press arbor - Removing/installing ball bearings
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 4400 Puller - Removing oil seal(s)

**SP 10 (4249)**

- 0000 893 3703 Jaw (profile No. 7) - Removing ball bearings
- 0816 610 1451 Pliers A3
- 1114 893 4601 Installing sleeve - Removing/installing piston pin

**Outdoor Power Tools - Power Tool Attachments**

1123 893 2400 Press sleeve  
 4112 893 6400 Ring gauge  
 4116 894 1000 Thrust piece  
 4237 893 4700 Assembly drift - Removing/installing piston pin  
 4249 893 1100 Installing mandrel  
 4249 893 9400 Centering pin - Installing piston pin  
 5910 890 4400 Puller - Removing ball bearings

**Construction Equipment - Cut-off machines****TS 350 (4201)**

5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

**TS 350 AVE, TS 360 (4201)**

0000 890 9100 Dial gauge - Checking run-out  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1106 890 4501 Puller - Removing flywheel  
 1107 191 1200 Locking screw - Blocking the crankshaft  
 1119 893 7200 Assembly drift - Removing/installing crankshaft bearings  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 850 6000 Dial gauge holder - Checking run-out  
 5910 851 6100 Test disk - Checking run-out of cutting wheel mounting  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding cut-off machine for repairs  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5610 Socket, 17 mm - Nut for starter cup

**TS 400 (4223)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 890 9100 Dial gauge - Checking run-out  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)



**Construction Equipment - Cut-off machines**

0000 893 5903 Locking strip - Blocking the crankshaft  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1110 893 4700 Assembly drift - Removing/installing piston pin  
 1118 893 7200 Press arbor - Removing/installing ball bearing (clutch side)  
 1119 893 7200 Assembly drift - Removing/installing ball bearing (ignition side)  
 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1127 893 2400 Press sleeve - Installing oil seals  
 1128 850 4200 Flange  
 4110 893 7800 Press arbor - Removing ball bearing from V-belt pulley  
 4116 893 7205 Press arbor - Installing ball bearing in V-belt pulley  
 4119 893 7200 Press arbor - Removing ball bearings from arbor support  
 4221 025 2200 Plug - Leakage test  
 5910 007 2200 Service tool ZS - Removing crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 850 6000 Dial gauge holder - Checking run-out  
 5910 851 6100 Test disk - Checking run-out of cutting wheel mounting  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Holding cut-off machine for repairs  
 5910 893 0801 Puller - Removing flywheel  
 5910 893 2102 Drilled washer  
 5910 893 2420 Screw sleeve - Installing crankshaft  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5613 Socket, S19x12.5L - Releasing and tightening clutch  
 5910 893 8800 Assembly hook - Removing pickup body

**TS 410, TS 420 (4238)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 9100 Dial gauge - Checking run-out  
 0000 893 3700 Jaw  
     (profile No. 2) - Removing oil seal(s)  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench

**Construction Equipment - Cut-off machines**

1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1110 893 4700 Assembly drift - Removing/installing piston pin  
 1118 893 4602 Installing sleeve - Protecting oil seal (clutch side)  
 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1135 890 4500 Puller - Removing flywheel  
 4119 893 7200 Press arbor - Removing ball bearings from arbor support  
 4221 025 2200 Plug - Leakage test  
 4224 893 7200 Press arbor - Removing/installing ball bearing (V-belt pulley)  
 4237 893 4700 Assembly drift - Removing/installing piston pin  
 4238 890 1200 Flange - Leakage test  
 4238 890 2100 Clamping plate - Mounting cut-off machine on assembly stand  
 4238 893 2400 Press sleeve - Installing oil seals  
 4238 893 7000 Ring - Installing the piston  
 5910 007 2200 Service tool ZS - Removing crankshaft (ignition side)  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 850 6000 Dial gauge holder - Checking run-out  
 5910 851 6100 Test disk - Checking run-out of cutting wheel mounting  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding cut-off machine for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4501 Puller - Removing limiter cap  
 5910 893 0501 Stud puller, M8 - Unscrew mounting studs on cast arm with guard  
 5910 893 1707 Sleeve - Installing hookless snap rings in piston  
 5910 893 2804 Socket, 13 mm, long reach - Removing/installing decompression valve  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5613 Socket, S19x12.5L - Releasing and tightening clutch  
 5910 893 8800 Assembly hook - Removing pickup body

**TS 460 (4221)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 890 2300 Screwdriver  
 0000 890 3700 Jaw - Removing oil seal(s)  
 0000 890 9100 Dial gauge - Checking run-out  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)  
 0000 963 1008 Bushing  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips

**Construction Equipment - Cut-off machines**

- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4700 Assembly drift - Removing/installing piston pin
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1119 893 7200 Assembly drift - Removing/installing crankshaft bearings
- 1122 893 4600 Installing sleeve - Installing oil seal
- 4119 893 7200 Press arbor - Removing ball bearings from arbor support
- 4221 893 5900 Locking strip - Blocking the crankshaft
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 850 6000 Dial gauge holder - Checking run-out
- 5910 851 6100 Test disk
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2212 Installing tool, 12 - Installing hookless snap rings in piston
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 3101 Assembly stand - Holding cut-off machine for repairs
- 5910 893 0801 Puller - Removing flywheel
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 5610 Socket, 17 mm - Nut for starter cup
- 5910 893 5616 Socket, 21 mm, long reach - Releasing and tightening clutch
- 5910 893 8800 Assembly hook - Removing pickup body
- 9043 319 8100 Pan head screw M5x50

**TS 510, TS 760 (4205)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 890 9100 Dial gauge - Checking run-out
- 0000 893 3700 Jaw  
(profile No. 2) - Removing oil seal(s)
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0811 611 8200 Pliers A10 - Removing/installing external circlips
- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 0816 630 1452 Pliers C12 - Removing/installing internal circlips
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1110 890 4500 Puller - Removing flywheel
- 1111 893 4700 Assembly drift - Removing/installing piston pin
- 1115 893 4600 Press sleeve - Installing oil seal (starter side)
- 1117 893 7200 Press arbor - Installing needle sleeve in V-belt pulley

**Construction Equipment - Cut-off machines**

1119 893 7200 Assembly drift - Removing/installing ball bearing (starter side)  
 1120 893 7200 Press arbor - Removing needle sleeve from V-belt pulley  
 1124 893 7200 Press arbor - Removing/installing ball bearing (clutch side)  
 1128 850 4200 Flange  
 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 893 7200 Press arbor - Removing ball bearings from arbor support  
 4221 893 5900 Locking strip - Blocking the crankshaft  
 4237 893 4700 Assembly drift - Removing/installing piston pin  
 5910 850 0400 Test jig - Checking longitudinal alignment of Cutquik cart and cutting wheel  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 850 6000 Dial gauge holder - Checking run-out  
 5910 851 6100 Test disk - Checking run-out of cutting wheel mounting  
 5910 890 0101 Socket, 4 mm - Tightening cylinder base screws  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2205 Service tool AS - Removing/installing crankshaft  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 2405 Screwdriver, Q-4x150 - For all hex socket head screws  
 5910 890 2410 Screwdriver, Q-5x150 - For all hex socket head screws  
 5910 890 3101 Assembly stand - Holding cut-off machine for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4500 Puller - Removing limiter cap  
 5910 893 0510 Stud puller, M5 - Removing carburetor mounting studs  
 5910 893 0515 Stud puller, M6 - Removing cylinder stud  
 5910 893 2405 Screw sleeve - Installing crankshaft  
 5910 893 2420 Screw sleeve - Installing crankshaft  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 5612 Socket, 19 mm - Removing nut from clutch  
 5910 893 5625 Socket - Tightening clutch carrier  
 5910 893 8500 Spindle AS  
 5910 893 8800 Assembly hook - Removing pickup body  
 9022 341 1190 Spline screw IS-M5x72 - Removing crankshaft

**TS 700 (4224)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 890 9100 Dial gauge - Checking run-out  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 1106 890 4501 Puller - Removing flywheel  
 1108 893 4800 Wooden assembly block - Fitting piston

**Construction Equipment - Cut-off machines**

1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 4221 025 2200 Plug - Leakage test  
 4224 890 1200 Flange - Leakage test  
 4224 893 2400 Press sleeve - Installing oil seals (ignition side)  
 4224 893 2401 Press sleeve - Installing oil seal (clutch side)  
 4224 893 2501 Flange - Sealing cylinder exhaust port  
 4224 893 7200 Press arbor - Removing/installing ball bearing (V-belt pulley)  
 5910 007 2200 Service tool ZS - Removing crankshaft (ignition side)  
 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 6000 Dial gauge holder  
 5910 851 6100 Test disk - Checking run-out of cutting wheel mounting  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 1800 Screw sleeve  
 5910 890 2212 Installing tool, 12 - Installing hookless snap rings in piston  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding cut-off machine for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 1706 Sleeve - Installing hookless snap rings in piston  
 5910 893 2102 Drilled washer  
 5910 893 2421 Screw sleeve - Installing crankshaft  
 5910 893 2803 Socket, T20 - Diaphragm/support plate on cylinder  
 5910 893 2804 Socket, 13 mm, long reach - Removing/installing decompression valve  
 5910 893 8505 Spindle ZS  
 5910 893 8800 Assembly hook - Removing pickup body

**TS 800 (4224)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 890 9100 Dial gauge - Checking run-out  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 1106 890 4501 Puller - Removing flywheel  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 4221 025 2200 Plug - Leakage test  
 4224 890 1200 Flange - Leakage test

**Construction Equipment - Cut-off machines**

4224 893 2400 Press sleeve - Installing oil seals (ignition side)  
 4224 893 2401 Press sleeve - Installing oil seal (clutch side)  
 4224 893 2501 Flange - Sealing cylinder exhaust port  
 4224 893 7200 Press arbor - Removing/installing ball bearing (V-belt pulley)  
 5910 007 2200 Service tool ZS - Removing crankshaft (ignition side)  
 5910 007 2205 Service tool AS - Removing crankshaft (clutch side)  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 6000 Dial gauge holder  
 5910 851 6100 Test disk - Checking run-out of cutting wheel mounting  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 1800 Screw sleeve  
 5910 890 2212 Installing tool, 12 - Installing hookless snap rings in piston  
 5910 890 2800 Assembly hook - Detaching clutch springs  
 5910 890 3101 Assembly stand - Holding cut-off machine for repairs  
 5910 890 4400 Puller - Removing oil seals  
 5910 893 1706 Sleeve - Installing hookless snap rings in piston  
 5910 893 2102 Drilled washer  
 5910 893 2421 Screw sleeve - Installing crankshaft  
 5910 893 2803 Socket, T20 - Diaphragm/support plate on cylinder  
 5910 893 2804 Socket, 13 mm, long reach - Removing/installing decompression valve  
 5910 893 8505 Spindle ZS  
 5910 893 8800 Assembly hook - Removing pickup body

**Construction Equipment - Augers/Drills****BT 45 (4314)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 540 1112 Socket, T27x140 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1118 893 7200 Press arbor - Removing/installing ball bearings  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 890 0105 Socket, T45 - Loosening/tightening drill chuck  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

**Construction Equipment - Augers/Drills**

- 5910 890 2204 Installing tool - Installing and flaring rope guide bushing
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2420 Screwdriver, Q-SW 8x200 - Carburetor nuts
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 893 8800 Assembly hook - Removing pickup body

**BT 106 (4311)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 890 2300 Screwdriver
- 0000 890 3700 Jaw - Removing oil seal(s)
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)
- 0811 611 8200 Pliers A10 - Removing/installing external circlips
- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1107 191 1200 Locking screw - Blocking the crankshaft
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1113 893 4600 Press sleeve - Installing ball bearing in clutch housing
- 1115 893 4600 Press sleeve - Installing oil seal
- 1117 893 7200 Press arbor - Installing oil seal
- 1118 893 7200 Press arbor - Removing/installing crankshaft bearings
- 1128 850 4200 Flange
- 4112 893 2400 Installing sleeve - Protecting oil seal (starter side)
- 4116 893 7205 Press arbor - Installing ball bearing in gearbox cover
- 4117 893 4700 Assembly drift - Removing/installing piston pin
- 4119 890 3400 Combination wrench
- 4119 890 4501 Puller - Removing flywheel
- 4119 893 7205 Press arbor
- 4129 893 6400 Ring gauge - Setting air gap between ignition module and flywheel
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 893 5608 Socket, 13 mm - Locknut
- 5910 893 8800 Assembly hook - Removing pickup body

**BT 120 C (4313)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0811 611 8200 Pliers A10 - Removing/installing external circlips
- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench

**Construction Equipment - Augers/Drills**

- 1115 893 4600 Press sleeve - Removing ball bearing from gear housing, installing in clutch housing
- 1117 890 0900 Assembly tube - Attaching brake spring
- 1117 893 7200 Press arbor - Installing ball bearing in gear housing, cover and oil seal
- 1118 893 7200 Press arbor - Installing ball bearing in clutch housing
- 1119 893 7200 Assembly drift - Removing ball bearing from clutch housing
- 4116 893 7205 Press arbor - Installing ball bearing in cover
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 893 2700 Clamping jaws - Clamping handlebar

**BT 121 (4313)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0811 611 8200 Pliers A10 - Removing/installing external circlips
- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1115 893 4600 Press sleeve - Removing ball bearing from gear housing, installing in clutch housing
- 1117 890 0900 Assembly tube - Attaching brake spring
- 1117 893 7200 Press arbor - Installing ball bearing in gear housing, cover and oil seal
- 1118 893 7200 Press arbor - Installing ball bearing in clutch housing
- 1119 893 7200 Assembly drift - Removing ball bearing from clutch housing
- 4116 893 7205 Press arbor - Installing ball bearing in cover
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 893 2700 Clamping jaws - Clamping handlebar

**Cleaning Systems - Blowers****BG 45, BG 46, BG 55, BG 65, BG 85 (4229)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3700 Jaw  
(profile No. 2) - Removing oil seal(s)
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0812 540 1112 Socket, T27x140 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers



**Cleaning Systems - Blowers**

- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1107 191 1200 Locking screw - Blocking the crankshaft
- 1108 893 4500 Threaded bushing
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1114 893 4601 Installing sleeve - Installing oil seal (starter side)
- 1114 893 4700 Assembly drift - Installing piston pin
- 1120 893 2400 Press sleeve - Installing oil seal (clutch side)
- 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1128 850 4200 Flange
- 1129 893 4600 Installing sleeve
- 5805 751 8600 Threaded bushing
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 4503 Ignition system tester, ZAT 4
- 5910 850 4520 Ignition system tester, ZAT 3
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2420 Screwdriver, Q-SW 8x200 - Carburetor nuts
- 5910 890 4400 Puller - Removing oil seals
- 5910 893 8800 Assembly hook - Removing pickup body

**BG 56, BG 56 C (4241)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 893 3700 Jaw  
(profile No. 2) - Holding engine pan
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5904 Locking strip - Blocking the crankshaft
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4500 Threaded bushing - Holding engine pan with puller 5910 890 4400
- 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks
- 1116 893 4800 Installing tool - Rewinding rewind spring
- 1121 893 2400 Press sleeve - Installing oil seal
- 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1130 893 4700 Assembly drift - Removing/installing piston pin
- 4119 893 4600 Installing sleeve - Protecting oil seal
- 5805 751 8600 Threaded bushing - Holding engine pan with puller 5910 890 4400
- 5910 850 4200 Flange - Leakage test
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston
- 5910 890 2305 Screwdriver - Adjusting carburetor

**Cleaning Systems - Blowers**

- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 4501 Puller - Removing limiter cap
- 5910 893 0801 Puller - Removing flywheel
- 5910 893 1708 Sleeve - Installing hookless snap rings in piston
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8800 Assembly hook - Removing pickup body

**BG 66, BG 66 C (4241)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 893 3700 Jaw  
(profile No. 2) - Holding engine pan
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5904 Locking strip - Blocking the crankshaft
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4500 Threaded bushing - Holding engine pan with puller 5910 890 4400
- 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks
- 1116 893 4800 Installing tool - Rewinding rewind spring
- 1121 893 2400 Press sleeve - Installing oil seal
- 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1130 893 4700 Assembly drift - Removing/installing piston pin
- 4119 893 4600 Installing sleeve - Protecting oil seal
- 5805 751 8600 Threaded bushing - Holding engine pan with puller 5910 890 4400
- 5910 850 4200 Flange - Leakage test
- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston
- 5910 890 2305 Screwdriver - Adjusting carburetor
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 4501 Puller - Removing limiter cap
- 5910 893 0801 Puller - Removing flywheel
- 5910 893 1708 Sleeve - Installing hookless snap rings in piston
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8800 Assembly hook - Removing pickup body

**BG 72 (4227)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 890 1701 Testing tool kit
- 0000 890 2300 Screwdriver

**Cleaning Systems - Blowers**

0000 890 3700 Jaw - Removing oil seal(s)  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0000 963 1008 Bushing - Add-on for test flange 1106 850 4201 and 1119 850 4201  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1114 893 4700 Assembly drift - Removing/installing piston pin  
 1115 893 4600 Press sleeve - Installing oil seal (starter side)  
 1118 893 7200 Press arbor - Removing/installing ball bearing in clutch drum  
 1128 850 4200 Flange  
 4112 893 2400 Installing sleeve - Protecting oil seal (starter side)  
 4112 893 2401 Press sleeve - Installing oil seal (fan side)  
 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4501 Puller - Removing crankshaft (starter side only)  
 4119 893 7200 Press arbor - Removing/installing crankshaft bearings  
 4133 893 0800 Puller - Removing flywheel  
 4226 890 3600 Wrench - Adjusting brake band  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2100 Clamping plate - Clamping powerheads to assembly stand  
 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand  
 5910 893 1708 Sleeve  
 5910 893 2102 Drilled washer  
 5910 893 5608 Socket, 13 mm - Starter carrier  
 5910 893 8800 Assembly hook - Removing pickup body

**BG 75 (4227)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0000 963 1008 Bushing - Add-on for test flange 1106 850 4201 and 1119 850 4201  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips

**Cleaning Systems - Blowers**

- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1114 893 4700 Assembly drift - Removing/installing piston pin
- 1115 893 4600 Press sleeve - Installing oil seal (clutch side)
- 1118 893 7200 Press arbor - Removing/installing ball bearing in clutch housing
- 1128 850 4200 Flange
- 4112 893 2400 Installing sleeve - Protecting oil seal (clutch side)
- 4112 893 2401 Press sleeve - Installing oil seal (starter side)
- 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 4119 890 4501 Puller - Removing crankshaft (starter side only)
- 4133 893 0800 Puller - Releasing flywheel
- 4133 893 1301 Wrench - Releasing and tightening clutch
- 4226 890 3600 Wrench - Adjusting brake band
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 2100 Clamping plate
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2100 Clamping plate - Clamping powerheads to assembly stand
- 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 3101 Assembly stand
- 5910 890 4400 Puller - Removing oil seals
- 5910 893 1708 Sleeve
- 5910 893 2102 Drilled washer
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 8800 Assembly hook - Removing pickup body

**BG 86, BG 86 C (4241)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 893 3700 Jaw  
(profile No. 2) - Holding engine pan
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5904 Locking strip - Blocking the crankshaft
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4500 Threaded bushing - Holding engine pan with puller 5910 890 4400
- 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks
- 1116 893 4800 Installing tool - Rewinding rewind spring
- 1121 893 2400 Press sleeve - Installing oil seal
- 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1130 893 4700 Assembly drift - Removing/installing piston pin
- 4119 893 4600 Installing sleeve - Protecting oil seal
- 5805 751 8600 Threaded bushing - Holding engine pan with puller 5910 890 4400
- 5910 850 4200 Flange - Leakage test

**Cleaning Systems - Blowers**

- 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston
- 5910 890 2305 Screwdriver - Adjusting carburetor
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 4400 Puller - Removing oil seals
- 5910 890 4501 Puller - Removing limiter cap
- 5910 893 0801 Puller - Removing flywheel
- 5910 893 1708 Sleeve - Installing hookless snap rings in piston
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)
- 5910 893 8800 Assembly hook - Removing pickup body

**BR 45 C (4229)**

- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 890 1701 Testing tool kit
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3700 Jaw  
(profile No. 2)
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1107 191 1200 Locking screw - Blocking the crankshaft
- 1108 893 4500 Threaded bushing
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1114 893 4601 Installing sleeve - Installing oil seal (starter side)
- 1114 893 4700 Assembly drift
- 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1128 850 4200 Flange
- 1129 893 4600 Installing sleeve
- 5805 751 8600 Threaded bushing
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 4503 Ignition system tester, ZAT 4
- 5910 850 4520 Ignition system tester, ZAT 3
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 4400 Puller - Removing oil seals

**BR 106 (4222)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate
- 0000 855 9200 Nipple
- 0000 890 1701 Testing tool kit

**Cleaning Systems - Blowers**

0000 890 2300 Screwdriver  
 0000 890 3700 Jaw  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3711 Jaw (profile No. 6) - Removing oil seal(s)  
 0811 611 8200 Pliers A10 - Removing/installing external circlips  
 0811 641 8380 Pliers C19 - Removing/installing internal circlips  
 0812 542 2104 Socket, T27x125  
 1107 191 1200 Locking screw - Blocking the crankshaft  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16"  
 1111 890 6400 Setting gauge  
 1113 893 4600 Press sleeve - Installing ball bearing in clutch housing  
 1117 893 7200 Press arbor - Installing oil seal  
 1118 893 2401 Press sleeve - Installing oil seal (clutch side)  
 1118 893 7200 Press arbor - Removing/installing crankshaft bearings  
 1128 850 4200 Flange  
 4112 893 2400 Installing sleeve - Protecting oil seal (starter side)  
 4116 893 7205 Press arbor - Installing ball bearing in gearbox cover  
 4117 893 4700 Assembly drift - Removing/installing piston pin  
 4119 890 3400 Combination wrench  
 4119 890 4501 Puller - Removing flywheel  
 4119 893 7200 Press arbor - Removing/installing crankshaft bearings  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2400 Screwdriver, T27x150  
 5910 893 5608 Socket, 13 mm - Locknut  
 5910 893 8800 Assembly hook

**BR 340, BR 340 L, BR 380, BR 420, BR 420 C (4203)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool - Flaring rope guide bushing  
 0000 893 2600 Clamping strap - Clamping piston rings  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 893 5903 Locking strip - Blocking the crankshaft  
 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 1108 893 4800 Wooden assembly block - Fitting piston  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1110 893 4700 Assembly drift - Removing/installing piston pin  
 1113 893 4600 Press sleeve - Installing oil seal(s)  
 1118 850 4200 Flange - Leakage test  
 1118 893 7200 Press arbor - Removing/installing ball bearing

**Cleaning Systems - Blowers**

1128 850 4200 Flange  
 4118 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 4119 890 4501 Puller - Releasing flywheel  
 4203 893 4600 Installing sleeve - Compressing springs in control handle  
 4237 893 4700 Assembly drift - Removing/installing piston pin  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2100 Clamping plate  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2100 Clamping plate - Clamping powerheads to assembly stand  
 5910 890 2210 Installing tool, 10 - Installing hookless snap rings in piston  
 5910 890 2304 Screwdriver - Adjusting carburetor  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 890 3101 Assembly stand - Mounting power tool to workbench  
 5910 890 4400 Puller - Removing oil seals  
 5910 890 4500 Puller - Removing limiter cap  
 5910 890 4601 Removing tool - Removing crankshaft  
 5910 893 5608 Socket, 13 mm - Flywheel nut  
 5910 893 6600 Setting disk - Add-on for screwdriver  
 (adjusting carburetor)  
 9022 341 1190 Spline screw IS-M5x72 - Removing crankshaft

**BR 500, BR 550, BR 600 (4282)**

0000 850 1300 Pump - Checking engine and carburetor for leaks  
 0000 855 8106 Sealing plate - Sealing exhaust port  
 0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 1701 Testing tool kit  
 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)  
 0000 963 1008 Bushing - Add-on for test flange 1106 850 4201 and 1119 850 4201  
 1108 893 2405 Press sleeve - Installing oil seals  
 1108 893 4700 Assembly drift - Removing/installing piston pin  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1118 893 4602 Installing sleeve - Installing oil seal  
 1119 850 4201 Test flange - Leakage test  
 4118 890 6401 Setting gauge - Setting air gap between ignition module and flywheel  
 4180 890 3400 Combination wrench - Spark plug  
 4180 893 6400 Setting gauge - Setting valve clearance  
 4224 691 0100 Locking screw - Blocking the crankshaft  
 4282 890 2700 Locking screw - Blocking the crankshaft  
 5910 850 1008 Tachometer EDT 7  
 5910 850 1009 Tachometer EDT 8  
 5910 850 2000 Compression tester - Checking valves, piston rings for leaks  
 5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system  
 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system  
 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

**Cleaning Systems - Blowers**

- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2212 Installing tool, 12 - Installing hookless snap rings in piston
- 5910 890 2415 Screwdriver, T27x200
- 5910 890 4400 Puller - Removing oil seals
- 5910 893 0801 Puller - Removing flywheel
- 5910 893 1706 Sleeve - Installing hookless snap rings in piston
- 5910 893 5608 Socket, 13 mm - Flywheel nut
- 5910 893 5610 Socket, 17 mm - Loosening fanwheel

**Cleaning Systems - Vacuum Shredders****SH 55, SH 85 (4229)**

- 0000 850 1300 Pump - Checking engine and carburetor for leaks
- 0000 855 8106 Sealing plate - Sealing exhaust port
- 0000 855 9200 Nipple - Testing carburetor for leaks
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3700 Jaw  
(profile No. 2) - Removing oil seal(s)
- 0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)
- 0000 893 5903 Locking strip - Blocking the crankshaft
- 0812 540 1112 Socket, T27x140 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers
- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1107 191 1200 Locking screw - Blocking the crankshaft
- 1108 893 4500 Threaded bushing
- 1108 893 4800 Wooden assembly block - Fitting piston
- 1110 141 8600 Hose 135 mm / 5 5/16"
- 1114 893 4601 Installing sleeve - Installing oil seal (starter side)
- 1114 893 4700 Assembly drift - Installing piston pin
- 1120 893 2400 Press sleeve - Installing oil seal (clutch side)
- 1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1128 850 4200 Flange
- 1129 893 4600 Installing sleeve
- 5805 751 8600 Threaded bushing
- 5910 850 1008 Tachometer EDT 7
- 5910 850 1009 Tachometer EDT 8
- 5910 850 4503 Ignition system tester, ZAT 4
- 5910 850 4520 Ignition system tester, ZAT 3
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 2204 Installing tool - Installing and flaring rope guide bushing
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws
- 5910 890 2420 Screwdriver, Q-SW 8x200 - Carburetor nuts
- 5910 890 2800 Assembly hook - Detaching clutch springs
- 5910 890 4400 Puller - Removing oil seals



**Cleaning Systems - Vacuum Shredders**

5910 893 8800 Assembly hook - Removing pickup body

**SH 56, SH 56 C, SH 86, SH 86 C (4241)**

0000 850 1300 Pump - Checking engine and carburetor for leaks

0000 855 8106 Sealing plate - Sealing exhaust port

0000 855 9200 Nipple - Testing carburetor for leaks

0000 893 3700 Jaw

(profile No. 2) - Holding engine pan

0000 893 3706 Jaw (profile No. 3.1 and 4) - Removing oil seal(s)

0000 893 5904 Locking strip - Blocking the crankshaft

0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench

1108 893 4500 Threaded bushing - Holding engine pan with puller 5910 890 4400

1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks

1121 893 2400 Press sleeve - Installing oil seal

1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel

1130 893 4700 Assembly drift - Removing/installing piston pin

4119 893 4600 Installing sleeve - Protecting oil seal

5805 751 8600 Threaded bushing - Holding engine pan with puller 5910 890 4400

5910 850 4200 Flange - Leakage test

5910 850 4503 Ignition system tester, ZAT 4 - Testing ignition system

5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system

5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

5910 890 2208 Installing tool, 8 - Installing hookless snap rings in piston

5910 890 2305 Screwdriver - Adjusting carburetor

5910 890 2400 Screwdriver, T27x150 - For all IS screws

5910 890 4400 Puller - Removing oil seals

5910 890 4501 Puller - Removing limiter cap

5910 893 0801 Puller - Removing flywheel

5910 893 1708 Sleeve - Installing hookless snap rings in piston

5910 893 5608 Socket, 13 mm - Flywheel nut

5910 893 6600 Setting disk - Add-on for screwdriver  
(adjusting carburetor)

5910 893 8800 Assembly hook - Removing pickup body

**Cleaning Systems - Sweeper Drums****KW 85 (4602)**

5910 850 1008 Tachometer EDT 7

5910 850 1009 Tachometer EDT 8

5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm

5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

## Cleaning Systems - High-Pressure Cleaners

### RE 100 K, RE 110 K, RE 120 K (4703)

- 0811 611 8380 Pliers A19 - Removing/installing external circlips
- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 4703 890 2200 Installing tool
- 4703 893 1600 Installing cone
- 4703 893 4500 Puller - Removing pump bearing inner race, fanwheel
- 4703 893 4605 Installing sleeve
- 4703 893 4700 Assembly drift
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2800 Assembly hook
- 5910 893 2800 Assembly drift

### RE 101 K (4721)

- 1124 893 4600 Installing sleeve - Installing oil seals in pump housing
- 4112 893 2401 Press sleeve - Installing oil seal in input housing
- 4703 890 4500 Puller - Removing ball bearing from drive shaft
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

### RE 102 K, RE 104 K, RE 106 K (4719)

- 1124 893 4600 Installing sleeve - Installing oil seals in pump housing
- 4112 893 2401 Press sleeve - Installing oil seal in input housing
- 4703 890 4500 Puller - Removing ball bearing from drive shaft
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

### RE 106 K (4737)

- 1124 893 4600 Installing sleeve - Installing oil seals in pump housing
- 4112 893 2401 Press sleeve - Installing oil seal in input housing
- 4703 890 4500 Puller - Removing ball bearing from rotor
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

### RE 107 (4755)

- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

### RE 108 (4765)

- 5910 890 0301 Torque wrench
- 5910 890 0302 Torque wrench with optical/acousticsignal
- 5910 890 0311 Torque wrench
- 5910 890 0312 Torque wrench with optical/acousticsignal

**Cleaning Systems - High-Pressure Cleaners**

5910 890 2207 Installing tool

5910 890 6500 Removing tool - Removal of pressure and intake valves

**RE 116 K, RE 126 K (4738, 4739)**

4703 890 4500 Puller - Removing ball bearing from rotor, drive housing with swashplate

5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm

5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

**RE 117, RE 127 (4754, 4756)**

4703 890 4500 Puller - Removing ball bearing from rotor

5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm

5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

**RE 118, RE 128 (4766, 4767)**

5910 890 0301 Torque wrench

5910 890 0302 Torque wrench with optical/acousticsignal

5910 890 0311 Torque wrench

5910 890 0312 Torque wrench with optical/acousticsignal

5910 890 2207 Installing tool

5910 890 6500 Removing tool - Removal of pressure and intake valves

**RE 140 K, RE 160 K (4726, 4728)**

4112 893 2401 Press sleeve - Installing oil seal in input housing

4703 890 2200 Installing tool - Installing high-pressure cup with support ring in valve block, oil seals in pump housing

4703 890 4500 Puller - Removing ball bearing from drive shaft

5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm

5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

**RE 141 K, RE 161 K (4740, 4741)**

4112 893 2401 Press sleeve - Installing oil seal in input housing

4703 890 4500 Puller - Removing ball bearing from rotor

5910 850 3203 Pressure gauge - Adjusting safety valve block

5910 850 3204 Pressure gauge - Adjusting safety valve block

5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm

5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

**RE 142, RE 162 (4743, 4744)**

4112 893 2401 Press sleeve - Installing oil seal in input housing

4703 890 4500 Puller - Removing ball bearing from rotor

5910 850 3203 Pressure gauge - Adjusting safety valve block

5910 850 3204 Pressure gauge - Adjusting safety valve block

5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm

5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

### **Cleaning Systems - High-Pressure Cleaners**

- 5910 890 2207 Installing tool - Pressing high-pressure cups into cylinder head, pressing oil seal into drive housing
- 5910 890 2800 Assembly hook - Removal of pressure delay valve from regulation valve block
- 5910 890 6500 Removing tool - Removal of pressure and intake valves, unscrewing of stator screws
- 5910 893 3100 Open-end wrench - Control piston adjustment
- 5910 893 4700 Assembly drift - Removal of high-pressure cups
- 5910 893 7201 Press arbor - Pressing swashplate on to rotor

### **RE 220 K, RE 240 K, RB 220 K (4717, 4718)**

- 0811 611 8380 Pliers A19 - Removing/installing external circlips
- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 4703 890 2200 Installing tool
- 4703 893 1600 Installing cone
- 4703 893 4500 Puller - Removing pump bearing inner race, fanwheel, ball bearing from drive shaft (RB 220 K)
- 4703 893 4605 Installing sleeve
- 4703 893 4700 Assembly drift
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2800 Assembly hook
- 5910 893 2800 Assembly drift

### **RE 250 K, RE 260 K (4717)**

- 0811 611 8380 Pliers A19 - Removing/installing external circlips
- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 4703 890 2200 Installing tool
- 4703 893 1600 Installing cone
- 4703 893 4500 Puller - Removing pump bearing inner race, fanwheel
- 4703 893 4605 Installing sleeve
- 4703 893 4700 Assembly drift
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2800 Assembly hook
- 5910 893 2800 Assembly drift

### **RE 271, RE 281 (4753, 4757)**

- 5910 850 3204 Pressure gauge - Adjusting pressure control
- 5910 850 3206 Pressure gauge - Adjusting pressure control
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2800 Assembly hook

### **RE 310 K, RE 340 K, RE 440 K (4722)**

- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4700 Assembly drift - Installing valve insert in valve body of spray gun
- 1122 893 4600 Installing sleeve - Removing knob from switch housing
- 4703 890 2200 Installing tool - Installing high-pressure cups, oil seals in pump housing

**Cleaning Systems - High-Pressure Cleaners**

- 4722 893 4700 Installing mandrel - Installing oil seal in high-pressure pump
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2415 Screwdriver, T27x200
- 5910 890 2800 Assembly hook - Removing valve insert and O-ring from spray gun

**RE 360 K, RE 460 K (4732)**

- 4703 890 2200 Installing tool - Installing high-pressure cup with support ring in valve block, oil seals in pump housing
- 4703 890 4500 Puller - Removing ball bearing from drive shaft
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

**RE 361, RE 461, RE 471 (4747, 4748)**

- 0000 893 3700 Jaw  
(profile No. 2) - Extraction of outer bearing ring from bearing cover
- 4112 893 2401 Press sleeve - Installing oil seal in input housing
- 4703 890 4500 Puller - Removing ball bearing from rotor
- 5910 850 3202 Pressure gauge - Adjusting pressure control
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 4400 Puller - Extraction of outer bearing ring from bearing cover
- 5910 890 6501 Removing tool - Removal of high-pressure cups

**RE 400 K, RE 401 K, RB 400 K (4705, 4710)**

- 0811 611 8200 Pliers A10 - Removing/installing external circlips
- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 1108 893 4700 Assembly drift - Injector nozzle in high-pressure union, valve insert in spray gun
- 4703 890 4500 Puller - Removing pump bearing inner race, ball bearing from drive shaft, drive gear and ring from gear shaft, fanwheel from motor
- 4705 893 4700 Installing mandrel - High-pressure cups in cylinder head, sealing cups in leakage water flange, oil seals in pump housing
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2415 Screwdriver, T27x200
- 5910 890 2800 Assembly hook - Removing valve insert and O-ring from spray gun

**RE 520 W, RE 550 W, RE 580 W (4735)**

- 0811 641 8380 Pliers C19 - Circlip on pump bearing outer race
- 4703 890 2200 Installing tool - Installing gaskets in valve block, oil seals in pump housing
- 4703 890 4500 Puller - Removing ball bearing from drive shaft
- 4705 893 4605 Installing sleeve - Installing gaskets in valve block, oil seals in pump housing
- 4712 850 3200 Pressure gauge - Adjusting fuel pump delivery pressure
- 4712 850 3400 Smoke spot pump - Adjusting burner
- 4712 850 7000 CO2 analyzer - Adjusting burner

**Cleaning Systems - High-Pressure Cleaners**

- 4712 850 7100 Flue gas loss calculator - Calculating flue gas loss/efficiency
- 4712 855 3500 Smoke spot scale - Determining soot content in flue gas
- 4735 890 3300 Screw plug - Adjusting pressure control
- 5910 850 5000 Thermometer - Measuring flue gas temperature
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2800 Assembly hook - Removing valve insert and O-ring from spray gun

**RE 521, RE 551, RE 581 (4751, 4770, 4771)**

- 0811 641 8380 Pliers C19
- 4703 890 4500 Puller - Removing ball bearing from rotor
- 4704 701 6510 Connector - Cleaning heating coil
- 4712 850 3200 Pressure gauge - Adjusting fuel pump delivery pressure
- 4712 850 3400 Smoke spot pump - Adjusting burner
- 4712 850 7000 CO2 analyzer - Adjusting burner
- 4712 850 7100 Flue gas loss calculator - Calculating flue gas loss/efficiency
- 4712 855 3500 Smoke spot scale - Determining soot content in flue gas
- 4724 512 0500 Pressure gauge - Adjusting pressure control
- 5910 850 5000 Thermometer - Measuring flue gas temperature
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2216 Installing tool - Installing camshaft oil seal
- 5910 890 2218 Installing tool - Removing and installing oil seals of the pump pistons
- 5910 890 6501 Removing tool - Removal of high-pressure cups
- 5910 890 9500 Crane - Removal of heating coil
- 5910 890 9600 Data reader - Operating data read-out
- 5910 893 4200 Tube - Removal of heating coil

**RE 600 W, RE 630 W (4706, 4712)**

- 0811 611 8200 Pliers A10 - Removing/installing external circlips
- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 1108 893 4700 Assembly drift - Injector nozzle in high-pressure union, valve insert in spray gun
- 4703 890 4500 Puller - Removing pump bearing inner race, ball bearing from drive shaft, drive gear and ring from gear shaft, fanwheel from motor
- 4703 893 4600 Installing sleeve - Installing high-pressure cups in cylinder
- 4705 893 4700 Installing mandrel - High-pressure cups in cylinder head, sealing cups in leakage water flange, oil seals in pump housing
- 4712 850 3200 Pressure gauge - Adjusting fuel pump delivery pressure
- 4712 850 3400 Smoke spot pump - Adjusting burner
- 4712 850 7000 CO2 analyzer - Adjusting burner
- 4712 850 7100 Flue gas loss calculator - Calculating flue gas loss/efficiency
- 4712 855 3500 Smoke spot scale - Determining soot content in flue gas
- 5910 850 5000 Thermometer - Measuring flue gas temperature
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

**Cleaning Systems - High-Pressure Cleaners**

5910 890 2415 Screwdriver, T27x200

5910 890 2800 Assembly hook - Removing valve insert and O-ring from spray gun

**RE 640 W (4706)**

0811 641 8380 Pliers C19 - Removing/installing internal circlips

1108 893 4700 Assembly drift - Installing valve insert in spray gun

4703 890 4500 Puller - Removing ball bearing from drive shaft, pump bearing inner race, fanwheel from motor

4705 893 4600 Installing sleeve - Installing high-pressure cups in cylinder

4705 893 4605 Installing sleeve - Installing high-pressure cups in leakage water flange

4705 893 4700 Installing mandrel - High-pressure cups in cylinder head, sealing cups in leakage water flange, oil seals in pump housing

4712 850 3200 Pressure gauge - Adjusting fuel pump delivery pressure

4712 850 3400 Smoke spot pump - Adjusting burner

4712 850 7000 CO2 analyzer - Adjusting burner

4712 850 7100 Flue gas loss calculator - Calculating flue gas loss/efficiency

4712 855 3500 Smoke spot scale - Determining soot content in flue gas

5910 850 5000 Thermometer - Measuring flue gas temperature

5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm

5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

5910 890 2415 Screwdriver, T27x200

5910 890 2800 Assembly hook - Removing valve insert and O-ring from spray gun

**RE 660 W, RE 880 W (4736)**

0811 641 8380 Pliers C19 - Removing/installing internal circlips

1108 893 4700 Assembly drift - Installing valve insert in spray gun

4703 890 2200 Installing tool - Installing gaskets in valve block, oil seals in pump housing

4703 890 4500 Puller - Removing ball bearing from drive shaft

4705 893 4605 Installing sleeve - Installing gaskets in valve block, oil seals in pump housing

4712 850 3200 Pressure gauge - Adjusting fuel pump delivery pressure

4712 850 3400 Smoke spot pump - Adjusting burner

4712 850 7000 CO2 analyzer - Adjusting burner

4712 850 7100 Flue gas loss calculator - Calculating flue gas loss/efficiency

4712 855 3500 Smoke spot scale - Determining soot content in flue gas

4735 890 3300 Screw plug - Adjusting pressure control

5910 850 5000 Thermometer - Measuring flue gas temperature

5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm

5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm

5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm

5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm

**RE 661, RE 961 (4752, 4759)**

0811 641 8380 Pliers C19

4703 890 4500 Puller - Removing ball bearing from rotor

4712 850 3200 Pressure gauge - Adjusting fuel pump delivery pressure

4712 850 3400 Smoke spot pump - Adjusting burner

4712 850 7000 CO2 analyzer - Adjusting burner

4712 850 7100 Flue gas loss calculator - Calculating flue gas loss/efficiency

4712 855 3500 Smoke spot scale - Determining soot content in flue gas

4724 512 0500 Pressure gauge - Adjusting pressure control

5910 850 5000 Thermometer - Measuring flue gas temperature

**Cleaning Systems - High-Pressure Cleaners**

- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2215 Installing tool - Installing camshaft oil seal
- 5910 890 2217 Installing tool - Removing and installing oil seals of the pump pistons
- 5910 890 6501 Removing tool - Removal of high-pressure cups
- 5910 890 9500 Crane - Removal of heating coil
- 5910 890 9600 Data reader - Operating data read-out

**RE 830 W (4707)**

- 0811 611 8200 Pliers A10 - Removing/installing external circlips
- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 1108 893 4700 Assembly drift - Injector nozzle in high-pressure union, valve insert in spray gun
- 4703 890 4500 Puller - Removing pump bearing inner race, ball bearing from drive shaft, drive gear and ring from gear shaft, fanwheel from motor
- 4703 893 4600 Installing sleeve - Installing high-pressure cups in cylinder
- 4705 893 4700 Installing mandrel - High-pressure cups in cylinder head, sealing cups in leakage water flange, oil seals in pump housing
- 4712 850 3200 Pressure gauge - Adjusting fuel pump delivery pressure
- 4712 850 3400 Smoke spot pump - Adjusting burner
- 4712 850 7000 CO2 analyzer - Adjusting burner
- 4712 850 7100 Flue gas loss calculator - Calculating flue gas loss/efficiency
- 4712 855 3500 Smoke spot scale - Determining soot content in flue gas
- 5910 850 5000 Thermometer - Measuring flue gas temperature
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2415 Screwdriver, T27x200
- 5910 890 2800 Assembly hook - Removing valve insert and O-ring from spray gun

**RE 840 W (4707)**

- 0811 641 8380 Pliers C19 - Removing/installing internal circlips
- 1108 893 4700 Assembly drift - Installing valve insert in spray gun
- 4703 890 4500 Puller - Removing ball bearing from drive shaft, pump bearing inner race, fanwheel from motor
- 4705 893 4600 Installing sleeve - Installing high-pressure cups in cylinder
- 4705 893 4605 Installing sleeve - Installing high-pressure cups in leakage water flange
- 4705 893 4700 Installing mandrel - High-pressure cups in cylinder head, sealing cups in leakage water flange, oil seals in pump housing
- 4712 850 3200 Pressure gauge - Adjusting fuel pump delivery pressure
- 4712 850 3400 Smoke spot pump - Adjusting burner
- 4712 850 7000 CO2 analyzer - Adjusting burner
- 4712 850 7100 Flue gas loss calculator - Calculating flue gas loss/efficiency
- 4712 855 3500 Smoke spot scale - Determining soot content in flue gas
- 5910 850 5000 Thermometer - Measuring flue gas temperature
- 5910 890 0301 Torque wrench - Screwed joints 0.5 to 18 Nm
- 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm
- 5910 890 0311 Torque wrench - Screwed joints 6 to 80 Nm
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2415 Screwdriver, T27x200



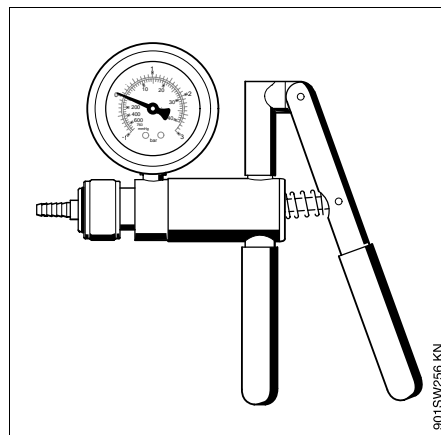
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**Cleaning Systems - High-Pressure Cleaners**

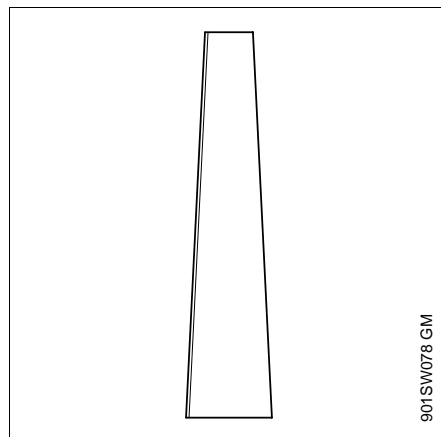
5910 890 2800 Assembly hook - Removing valve insert and O-ring from spray gun

**0000 850 1300 Pump**

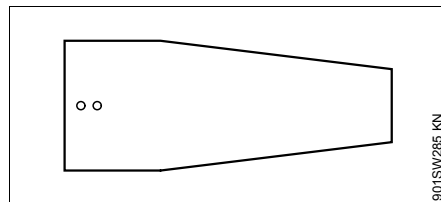
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 4211, 4213, 4221, 4222, 4223, 4224, 4226, 4227, 4228, 4229, 4232,  
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 4600, 4601, 4137, 4601

**0000 855 8106 Sealing plate**

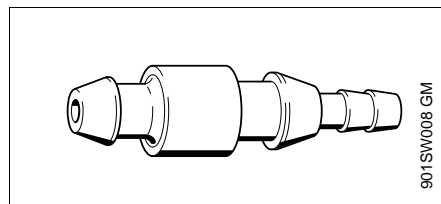
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 4113, 4128, 4130, 4133, 4134, 4134, 4128, 4135, 4137, 4138, 4140,  
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 4226, 4227, 4229, 4232, 4237, 4238, 4241, 4244, 4249, 4264, 4280,  
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**0000 855 8107 Sealing plate**

1138, 1140

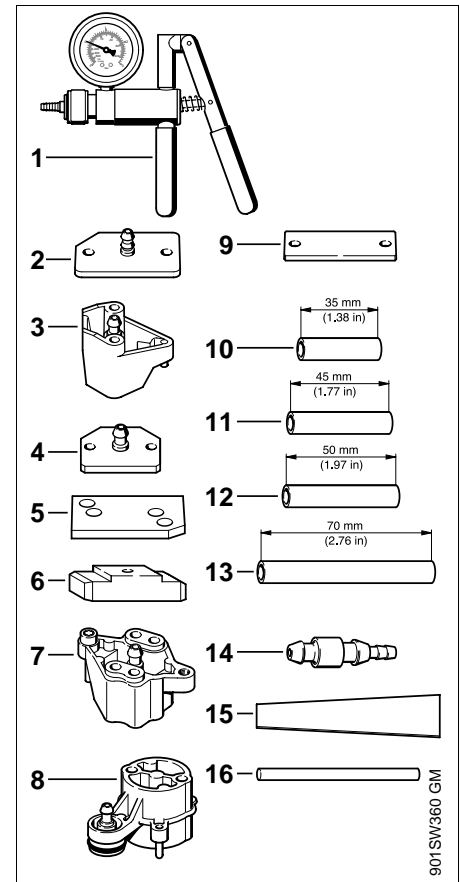
**0000 855 9200 Nipple**

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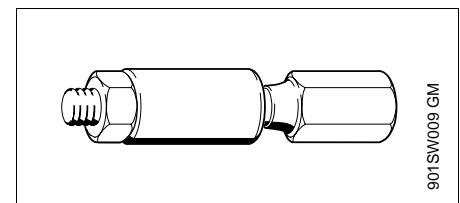


**0000 890 1701 Testing tool kit**

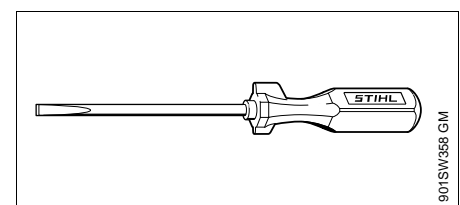
1 Pump (1)	0000 850 1300
2 Flange (1)	1106 850 4201
3 Flange (1)	1118 850 4200
4 Test flange (1)	1119 850 4201
5 Flange (1)	1123 855 4200
6 Flange (1)	1124 850 4205
7 Flange (1)	5910 850 4200
8 Flange (1)	4224 890 1200
9 Flange (1)	4224 893 2501
10 Bushing (2)	0000 963 1008
11 Sleeve (2)	1123 851 8300
12 Sleeve (2)	1124 893 7100
13 Sleeve (2)	1127 851 8300
14 Nipple (1)	0000 855 9200
15 Sealing plate (1)	0000 855 8106
16 Hose 135 mm / 5 5/16" (1)	1110 141 8600
1106, 1118, 1119, 1120, 1121, 1123, 1124, 1125, 1127, 1128, 1129, 1130, 1132, 1133, 1135, 1137, 4116, 4119, 4126, 4128, 4130, 4133, 4134, 4135, 4137, 4138, 4140, 4180, 4182, 4183, 4203, 4205, 4222, 4223, 4224, 4226, 4227, 4232, 4237, 4249, 4280, 4282, 4311, 4601	

**0000 890 2201 Installing tool**

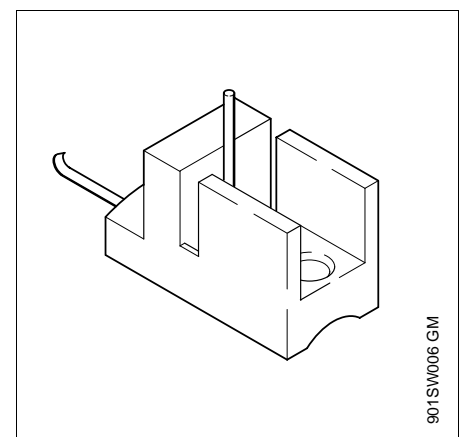
Hexagon nut M6 (1)	9210 319 0900
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**0000 890 2300 Screwdriver**

1109, 1106, 1115, 1118, 1119, 1122, 1127, 1128, 1130, 4116, 4119, 4133, 4203, 4211, 4213, 4221, 4223, 4226, 4227, 4311	
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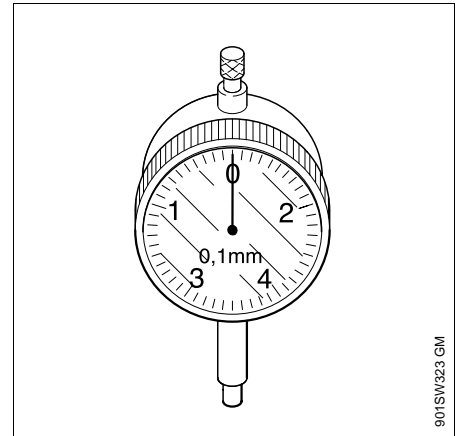
**0000 890 3700 Jaw**

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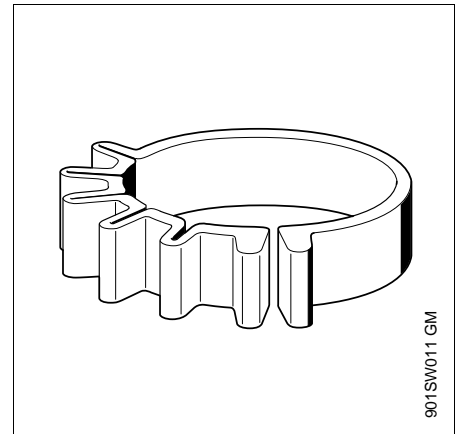


**0000 890 9100 Dial gauge**

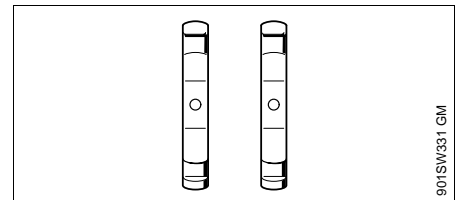
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**0000 893 2600 Clamping strap**

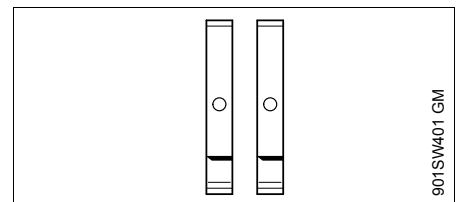
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 4221, 4222, 4223, 4224, 4226, 4227, 4229, 4232, 4237, 4264, 4311,  
 4600, 4601, 4137, 4601

**0000 893 3700 Jaw****(profile No. 2)**

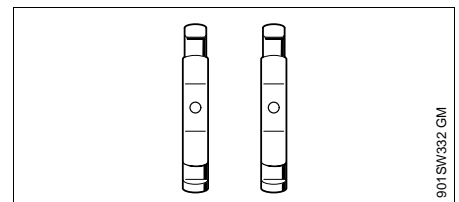
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**0000 893 3703 Jaw (profile No. 7)**

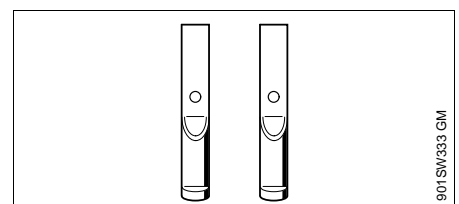
4249

**0000 893 3706 Jaw (profile No. 3.1 and 4)**

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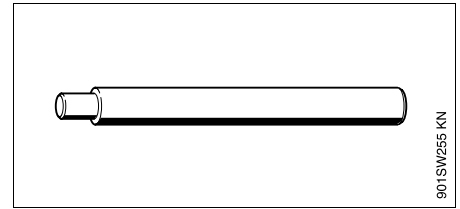
**0000 893 3711 Jaw (profile No. 6)**

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**0000 893 4700 Assembly drift**

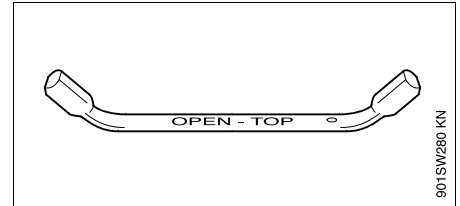
1135



901SW255 KN

**0000 893 5903 Locking strip**

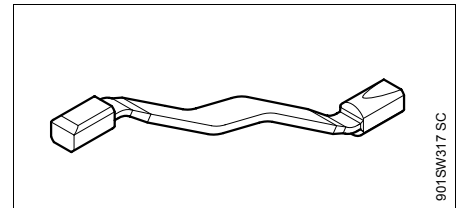
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901SW280 KN

**0000 893 5904 Locking strip**

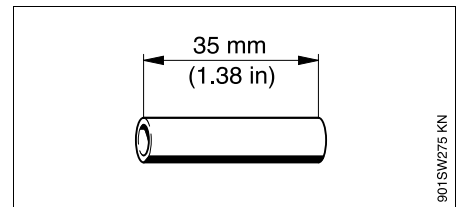
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901SW317 SC

**0000 963 1008 Bushing**

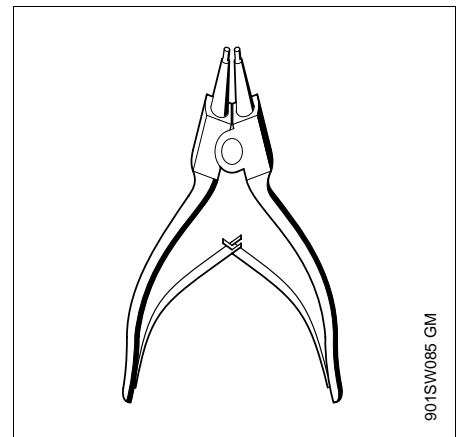
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901SW275 KN

**0811 611 8200 Pliers A10**

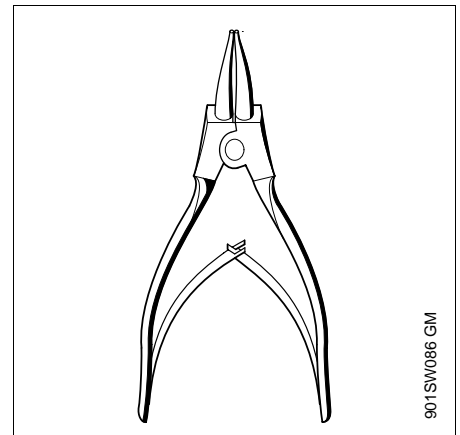
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901SW085 GM

**0811 611 8380 Pliers A19**

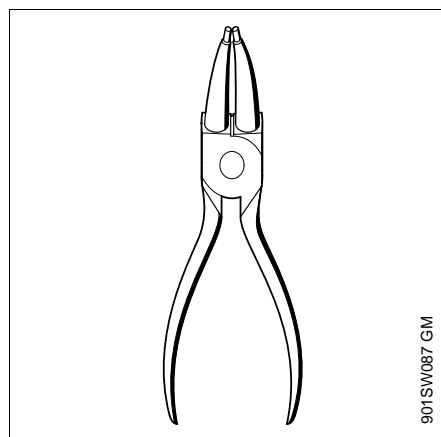
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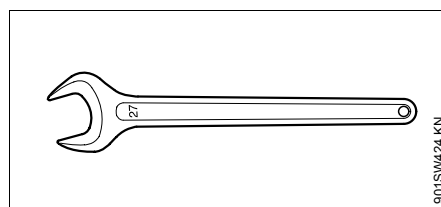
901SW086 GM

**0811 641 8380 Pliers C19**

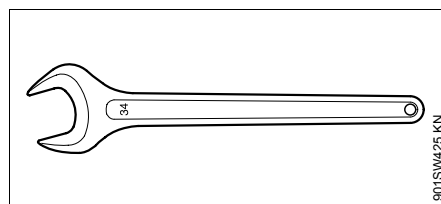
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**0812 032 2002 Wrench 27**

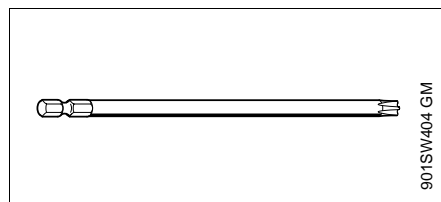
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**0812 032 2003 Wrench 34**

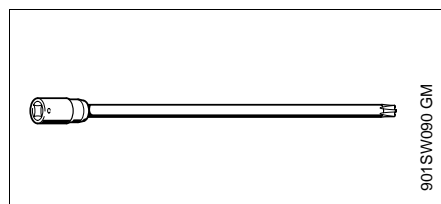
4264

**0812 540 1112 Socket, T27x140**

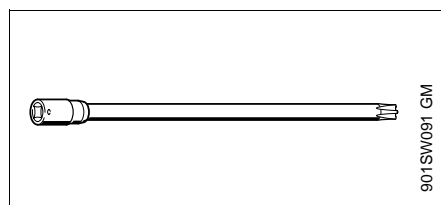
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**0812 542 2041 Socket, T20x125**

1129, 1137, 1206, 1207

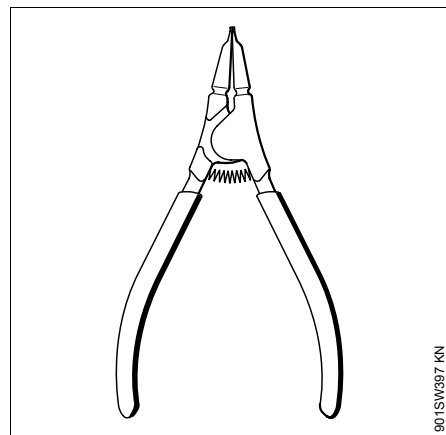
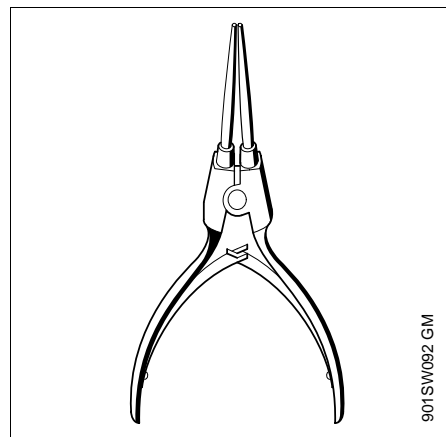
**0812 542 2104 Socket, T27x125**

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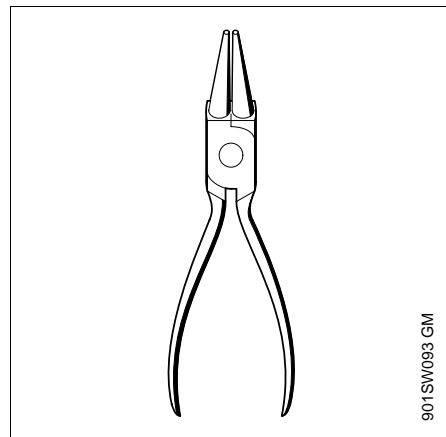


**0816 610 1451 Pliers A3**

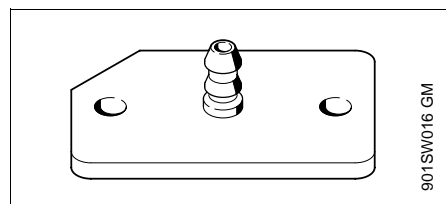
4249

**0816 610 1495 Pliers A10-flat**4116, 4126, 4126, 4135, 4113, 4128, 4134, 4134, 4128, 4135, 4137,  
4138, 4170**0816 630 1452 Pliers C12**

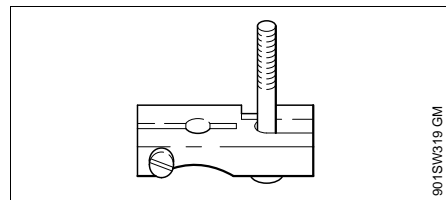
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**1106 850 4201 Flange**

1106, 1109, 1106, 1124

**1106 890 4200 Clamp**

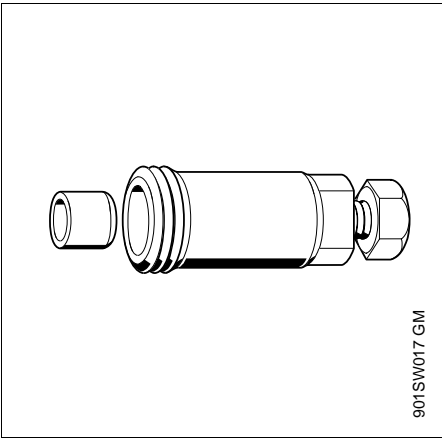
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1106 890 4501 Puller

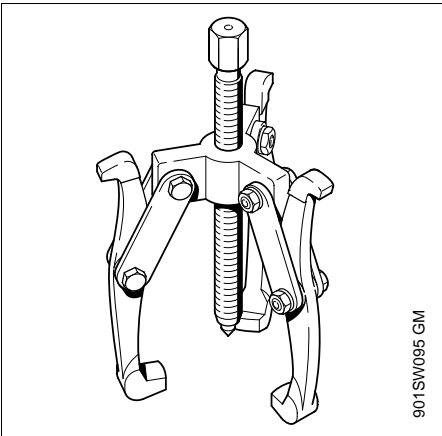
- Hexagon head screw M10x55 (1)
- Thrust piece (1)
- 1106, 1109, 1106, 1122, 1124, 4201, 4224

- 0000 951 0920
- 1107 894 1000



1106 890 4510 Puller

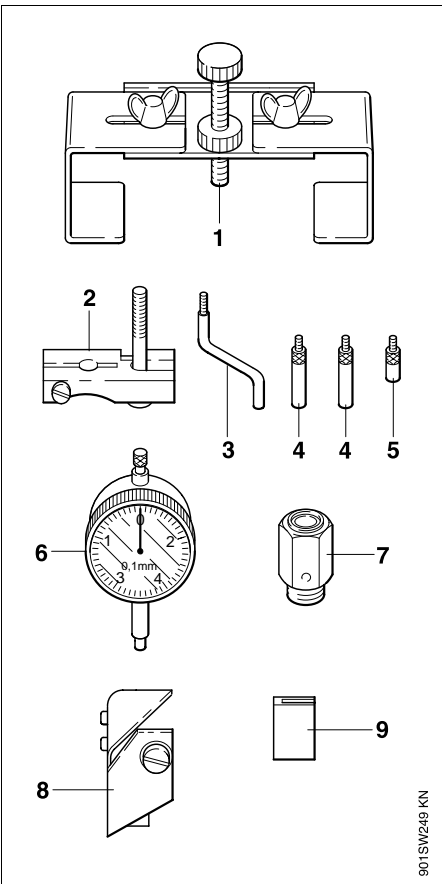
- 1114, 1115



1106 890 8700 Ignition timing unit with dial gauge

- 1 Tensioning clip (1)
- 2 Clamp (1)
- 3 Feeler pin (1)
- 4 Feeler pin (2)
- 5 Feeler pin (1)
- 6 Dial gauge (1)
- 7 Holder (1)
- 8 Clamp bracket (1)
- 9 Spreader plate (1)
- 1114, 1115

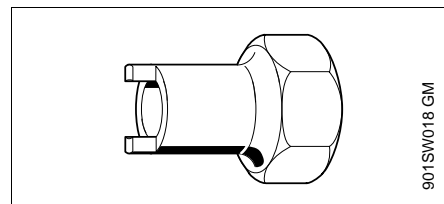
- 5910 890 8500
- 1106 890 4200
- 1106 894 3000
- 1107 894 3000
- 1106 894 3005
- 0000 890 9100
- 1110 890 8600



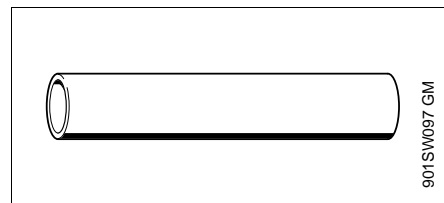


**1106 893 1310 Wrench**

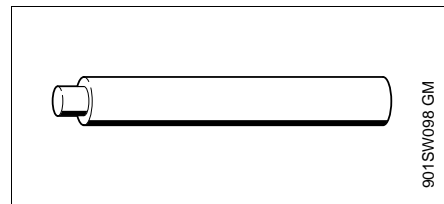
1106, 1109, 1106

**1106 893 4600 Installing sleeve**

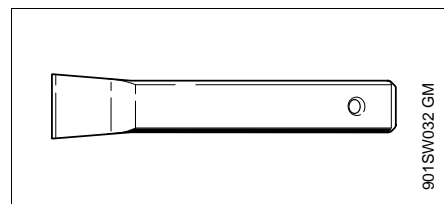
1106, 1109, 1106

**1106 893 4700 Assembly drift**

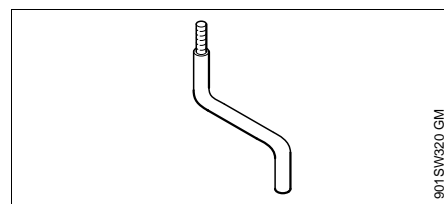
1106, 1109, 1106

**1106 893 9200 Groove drift, 1.6 mm**

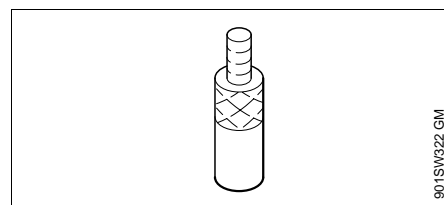
1115

**1106 894 3000 Feeler pin**

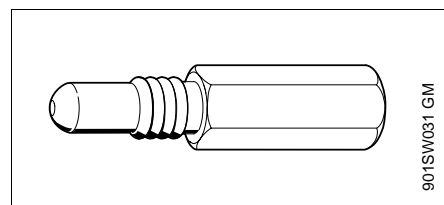
1118, 1119

**1106 894 3005 Feeler pin**

1106, 1109, 1106

**1107 191 1200 Locking screw**

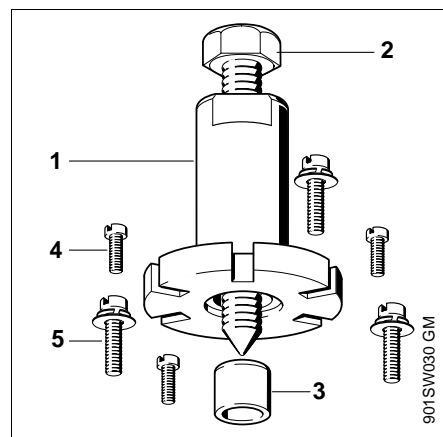
1106, 1109, 1106, 1114, 1115, 4116, 4119, 4140, 4201, 4222, 4229, 4311



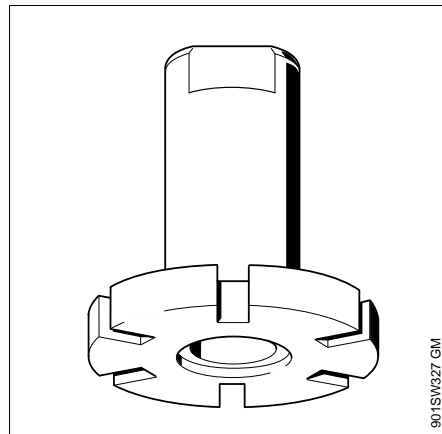
**1107 890 4500 Puller**

- 1 Puller sleeve (1)
  - 2 Hexagon head screw M10 (1)
  - 3 Thrust piece (1)
  - 4 Socket head screw M4x12 (3)
  - 5 Pan head screw M5x16 (3)
- 1118, 1119, 1122, 1125, 1128

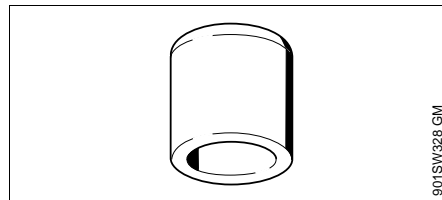
1107 894 0800  
0000 951 0935  
1107 894 1000  
9045 371 0660  
  
9044 319 0980

**1107 894 0800 Puller sleeve**

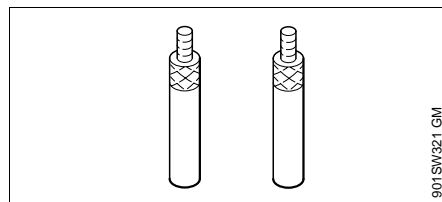
1118, 1119, 1122, 1125, 1128

**1107 894 1000 Thrust piece**

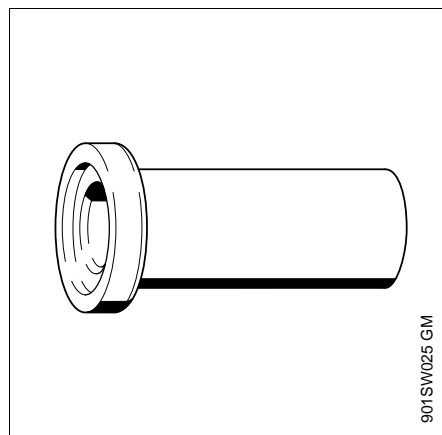
1118, 1119, 1122, 1125, 1128

**1107 894 3000 Feeler pin**

1114, 1115

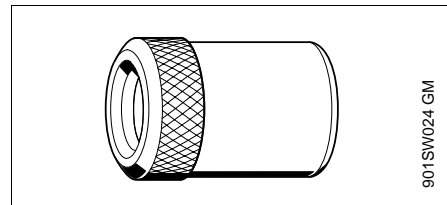
**1108 893 2405 Press sleeve**

1133, 4116, 4126, 4135, 4113, 4180, 4282

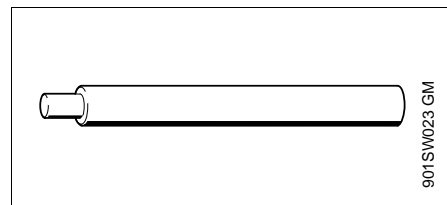


**1108 893 4500 Threaded bushing**

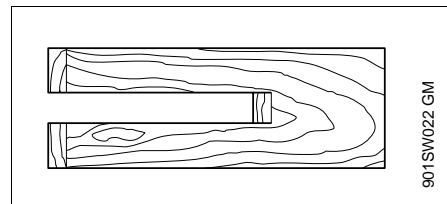
4139, 4140, 4144, 4229, 4232, 4241, 4244, 4601

**1108 893 4700 Assembly drift**

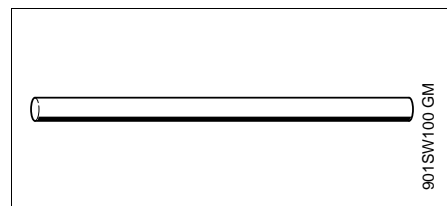
1119, 1122, 1133, 1140, 4116, 4126, 4135, 4113, 4133, 4135, 4137, 4138, 4180, 4182, 4183, 4221, 4249, 4280, 4282, 4705, 4710, 4706, 4707, 4722, 4724, 4736

**1108 893 4800 Wooden assembly block**

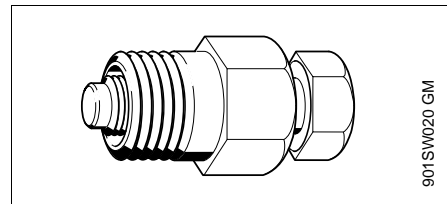
1109, 1106, 1115, 1119, 1121, 1122, 1124, 1125, 1128, 1129, 1133, 1135, 1138, 1140, 4116, 4119, 4126, 4126, 4135, 4113, 4128, 4133, 4134, 4134, 4128, 4135, 4137, 4138, 4139, 4140, 4144, 4203, 4205, 4211, 4213, 4221, 4222, 4223, 4224, 4226, 4227, 4229, 4232, 4238, 4264, 4311, 4600, 4601, 4137, 4601

**1110 141 8600 Hose 135 mm / 5 5/16"**

1118, 1119, 1121, 1122, 1123, 1124, 1125, 1128, 1129, 1130, 1132, 1133, 1135, 1137, 1138, 1139, 1140, 4116, 4119, 4126, 4126, 4135, 4113, 4128, 4133, 4134, 4134, 4128, 4135, 4137, 4138, 4139, 4140, 4144, 4170, 4180, 4182, 4203, 4205, 4211, 4213, 4221, 4223, 4224, 4226, 4227, 4228, 4229, 4232, 4238, 4241, 4244, 4264, 4280, 4282, 4311, 4314, 4601

**1110 890 4500 Puller**

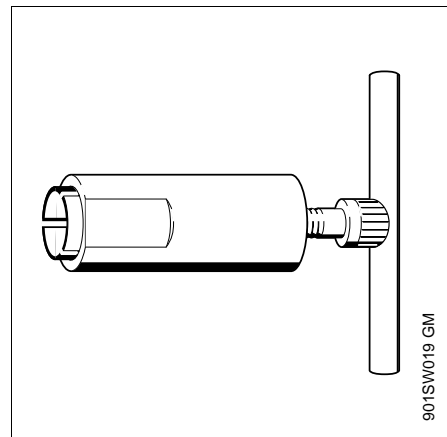
1114, 1118, 1119, 1121, 1122, 1125, 1128, 4116, 4205

**1110 890 4510 Puller**

Sealing ring 8x12 (1)

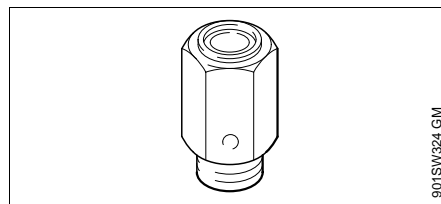
9636 965 0640

1106, 1109, 1106



**1110 890 8600 Holder**

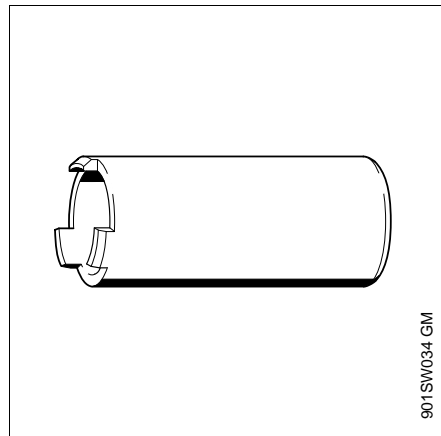
1114, 1115



901SW324 GM

**1110 893 2400 Press sleeve**

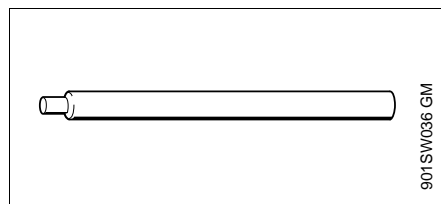
1106, 1109, 1106, 1115



901SW034 GM

**1110 893 4700 Assembly drift**

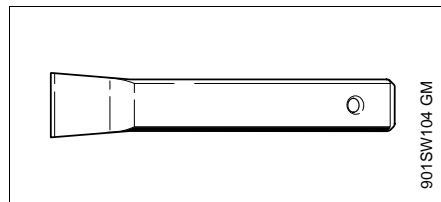
1123, 1127, 1128, 1139, 4119, 4133, 4180, 4203, 4223, 4238, 4264



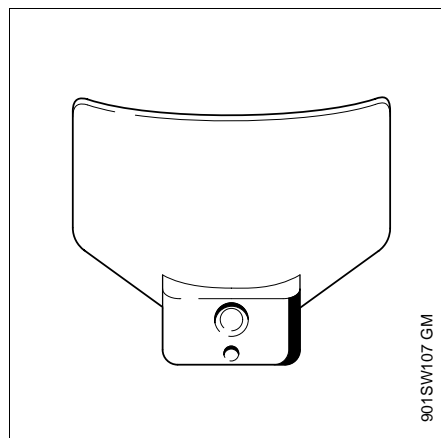
901SW036 GM

**1110 893 9200 Groove drift, 1.3 mm**

1114



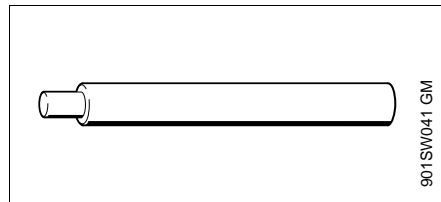
901SW104 GM

**1111 890 6400 Setting gauge**1118, 1119, 1121, 1122, 1123, 1124, 1125, 1128, 1129, 1130, 1132,  
1133, 1135, 1138, 1140, 4116, 4126, 4135, 4221, 4224

901SW107 GM

**1111 893 4700 Assembly drift**

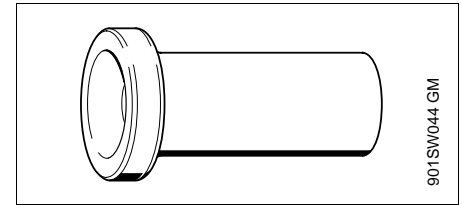
1115, 1123, 1124, 1128, 1208, 4126, 4205, 4230



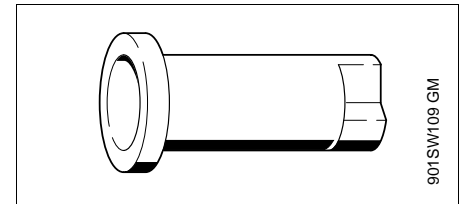
901SW041 GM

**1113 893 4600 Press sleeve**

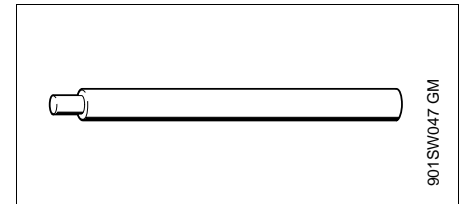
1109, 1106, 4126, 4135, 4113, 4203, 4222, 4311

**1114 893 4601 Installing sleeve**

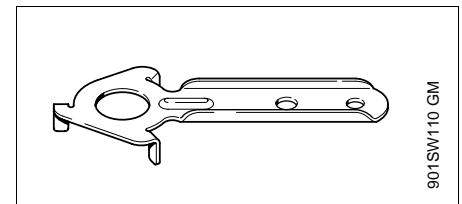
4116, 4140, 4229, 4232, 4249, 4601

**1114 893 4700 Assembly drift**

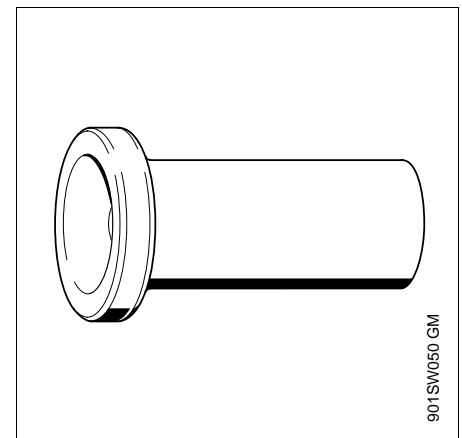
1114, 1121, 1129, 1137, 1138, 1140, 4126, 4126, 4135, 4113, 4128, 4133, 4134, 4134, 4128, 4137, 4138, 4140, 4170, 4180, 4182, 4183, 4211, 4213, 4226, 4227, 4229, 4232, 4280, 4600, 4601, 4137, 4601

**1115 893 1300 Wrench**

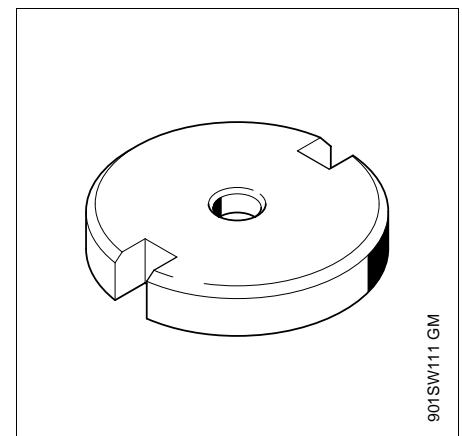
1115

**1115 893 4600 Press sleeve**

1128, 4126, 4126, 4135, 4113, 4128, 4133, 4134, 4134, 4128, 4135, 4137, 4138, 4140, 4180, 4182, 4183, 4205, 4226, 4227, 4232, 4249, 4280, 4311, 4313, 4600, 4601, 4137, 4601

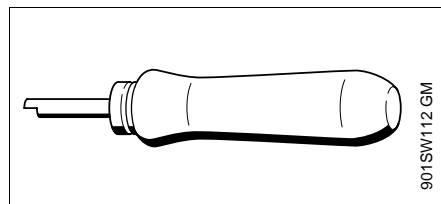
**1116 893 4800 Installing tool**

1123, 1128, 1129, 1130, 1132, 1135, 1139, 4241, 4244

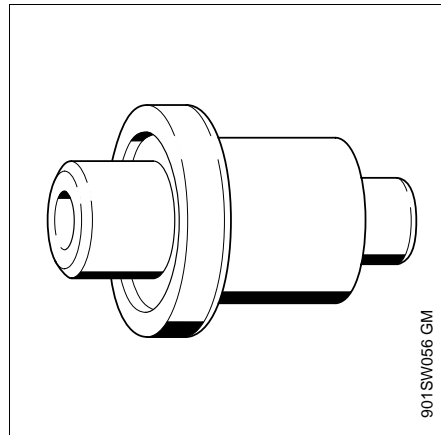


**1117 890 0900 Assembly tube**

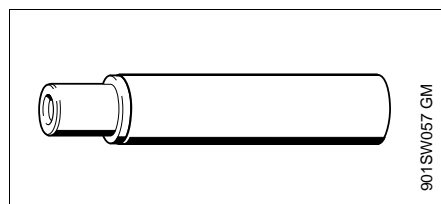
1118, 1119, 1121, 1122, 1123, 1124, 1125, 1127, 1128, 1129, 1130,  
1132, 1133, 1135, 1137, 1138, 1139, 1140, 1206, 1207, 1208, 4313

**1117 893 7200 Press arbor**

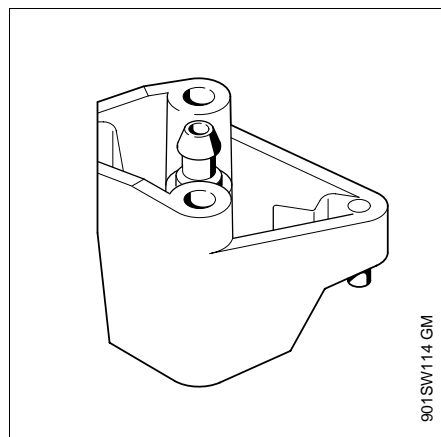
4205, 4222, 4311, 4313

**1117 893 7205 Press arbor**

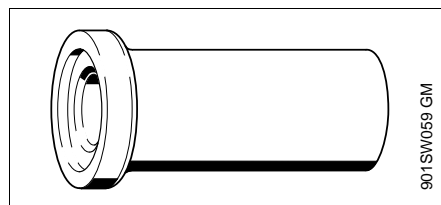
1118, 1119

**1118 850 4200 Flange**

1123, 4116, 4119, 4203

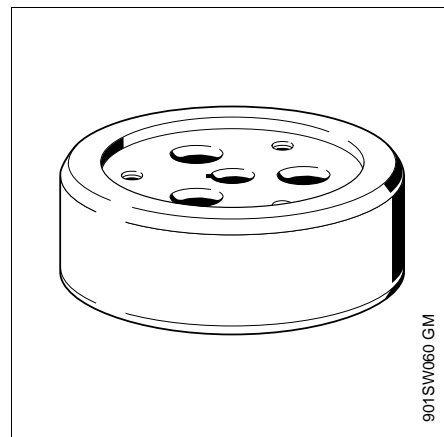
**1118 893 2401 Press sleeve**

1125, 1128, 1135, 1138, 1140, 4116, 4264

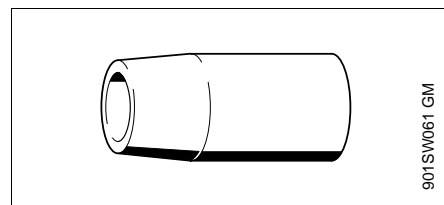


**1118 893 3500 Centering tool**

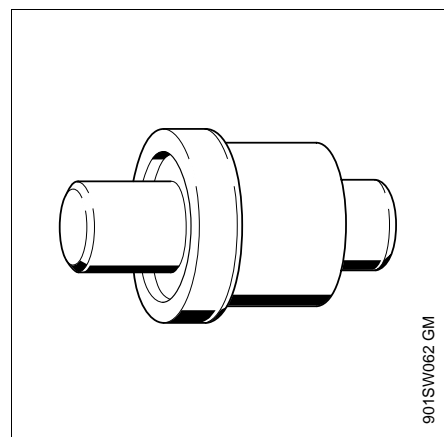
1118, 1119, 1121, 1122, 1125, 1128

**1118 893 4602 Installing sleeve**

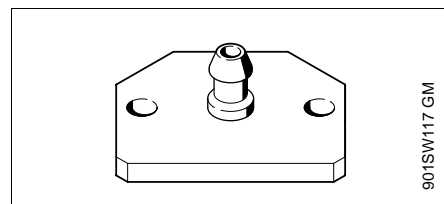
1118, 1121, 1128, 1133, 1135, 1139, 4238, 4244, 4282

**1118 893 7200 Press arbor**

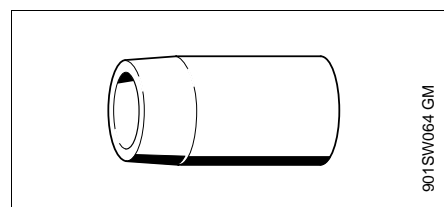
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**1119 850 4201 Test flange**

1133, 4180, 4182, 4280, 4282

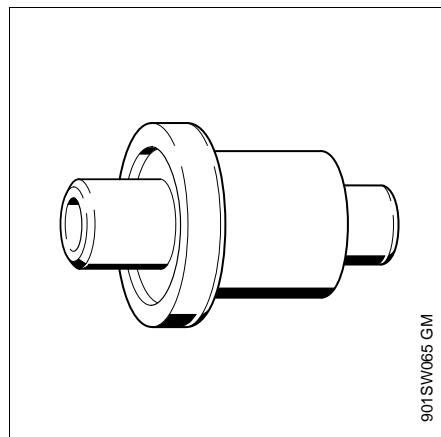
**1119 893 2410 Installing sleeve**

1119, 4606

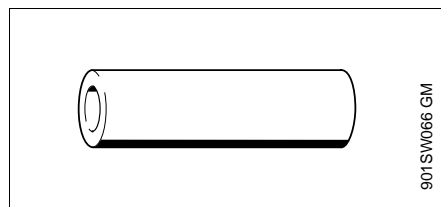


**1119 893 7200 Assembly drift**

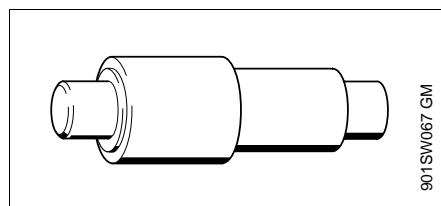
1106, 1109, 1106, 1119, 1122, 4201, 4205, 4221, 4223, 4313

**1120 893 2400 Press sleeve**

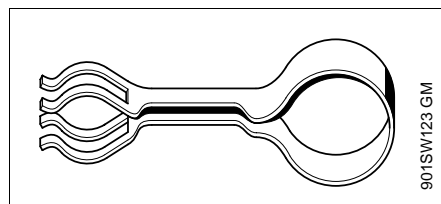
1121, 4140, 4180, 4229, 4232, 4601

**1120 893 7200 Press arbor**

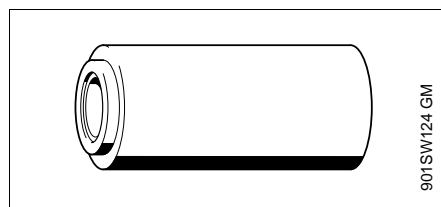
1121, 1125, 1128, 4128, 4134, 4134, 4128, 4205, 4264

**1120 893 9100 Clip**

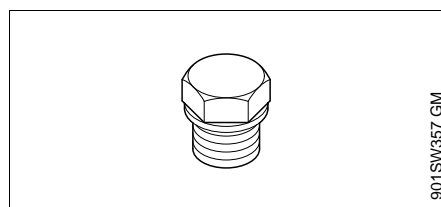
1123, 1130

**1121 893 2400 Press sleeve**

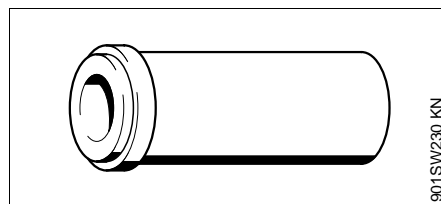
1121, 1125, 4139, 4140, 4144, 4241

**1122 025 2200 Plug**

1121, 1124, 1128, 1135, 1138, 1140

**1122 893 2405 Press sleeve**

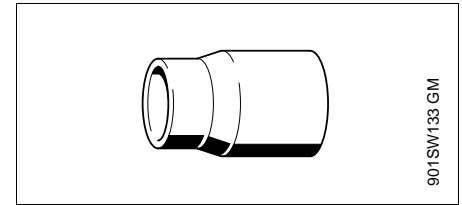
1135, 1138, 1140



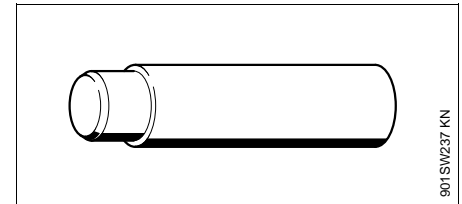


**1122 893 4600 Installing sleeve**

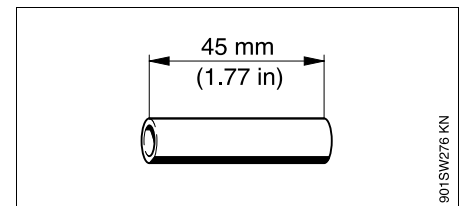
1122, 1127, 1138, 1140, 4221, 4722

**1122 893 7200 Assembly drift**

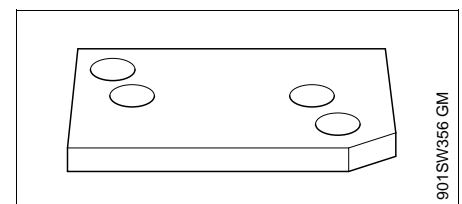
1135, 4126, 4135, 4113

**1123 851 8300 Sleeve**

1123, 1130, 4128, 4134, 4134, 4128

**1123 855 4200 Flange**

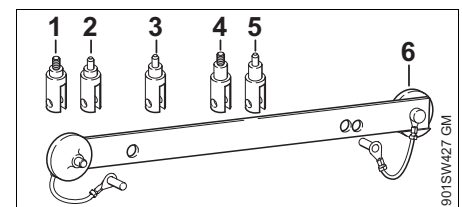
1123, 1127, 1129, 1130, 1139

**1123 890 2202 Installing tool**

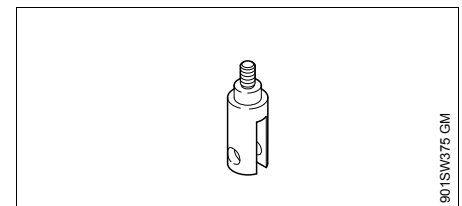
- 1 Puller (1)
- 2 Installer (1)
- 3 Installer (1)
- 4 Puller (1)
- 5 Installer (1)
- 6 Support (1)

1123, 1130, 1139

1123 893 1400  
1123 893 1500  
1123 893 1501  
1130 893 1400  
1130 893 1500  
1123 893 7500

**1123 893 1400 Puller**

1123

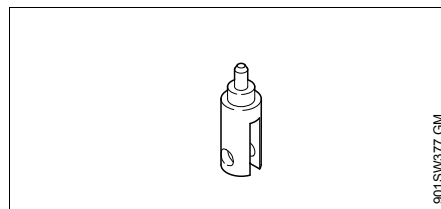
**1123 893 1500 Installer**

1123

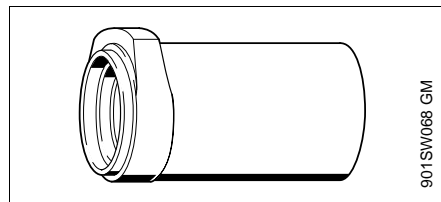


**1123 893 1501 Installer**

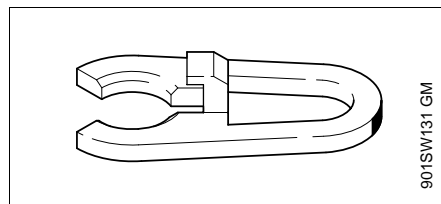
1123

**1123 893 2400 Press sleeve**

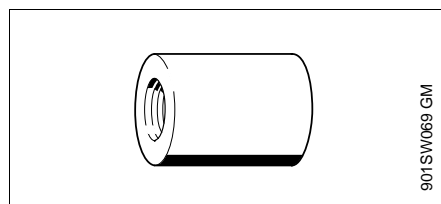
1123, 1130, 1132, 1139, 4249

**1123 893 9100 Clip**

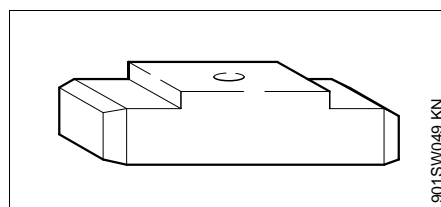
1123

**1123 894 7700 Guide**

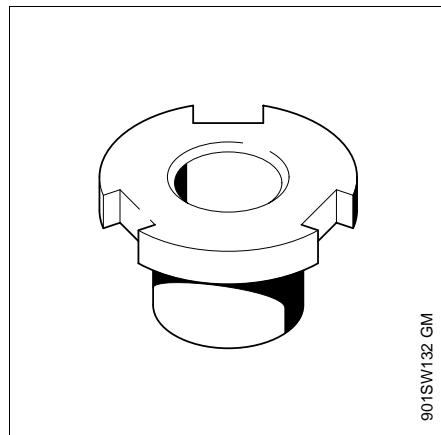
1123, 1130, 4138, 4182, 4810

**1124 850 4205 Flange**

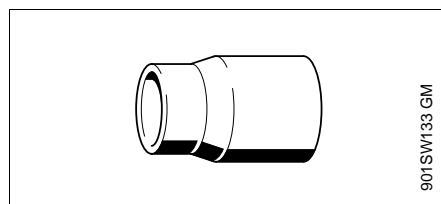
1124

**1124 893 2400 Press sleeve**

4126, 4135, 4113

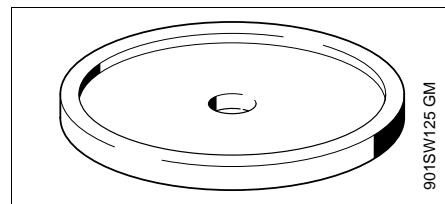
**1124 893 4600 Installing sleeve**

1124, 4719, 4721, 4737

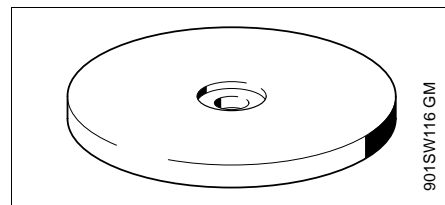


**1124 893 5100 Installing plate**

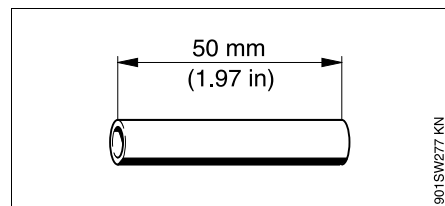
1124

**1124 893 5200 Base**

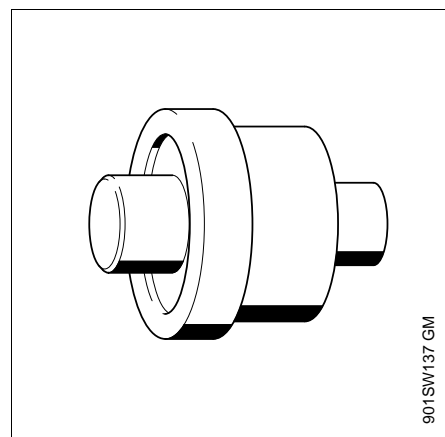
1124

**1124 893 7100 Sleeve**

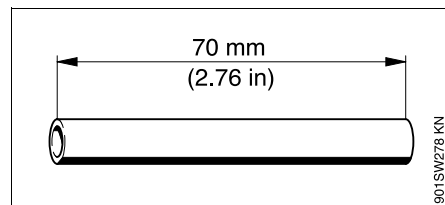
1123, 1124, 1129

**1124 893 7200 Press arbor**

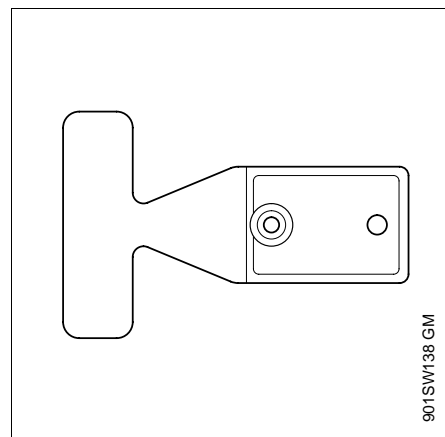
1124, 4205

**1127 851 8300 Sleeve**

1124, 1127

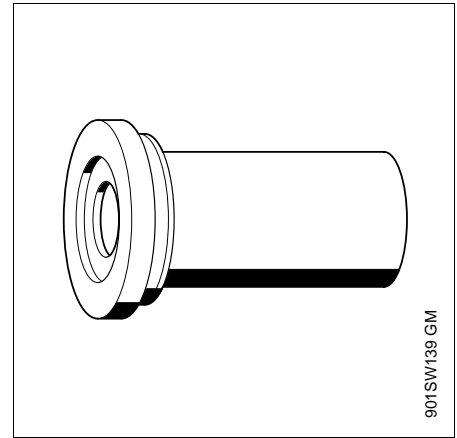
**1127 890 6400 Setting gauge**

1127, 4116, 4139, 4144, 4223, 4229, 4232, 4238, 4241, 4264, 4601

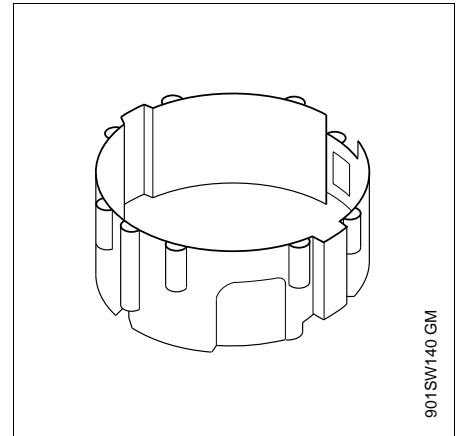


**1127 893 2400 Press sleeve**

1124, 1127, 4223

**1127 893 2602 Clamping strap**

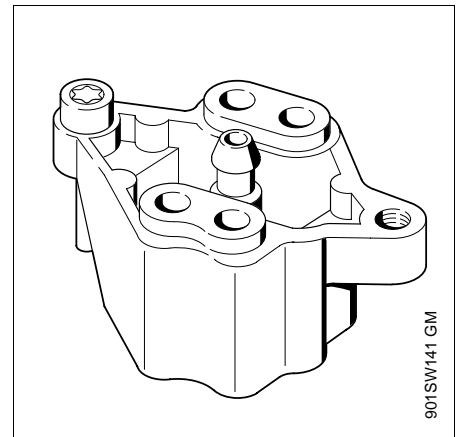
1127

**1128 850 4200 Flange**

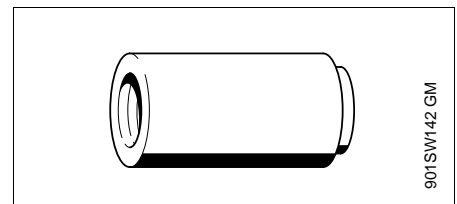
Screw M5x30 (1)

1128 855 9000

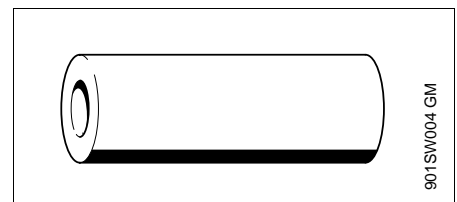
1119, 1121, 1123, 1125, 1127, 1128, 1129, 1130, 1132, 1135, 1137,  
 4116, 4126, 4135, 4113, 4128, 4133, 4134, 4134, 4128, 4137, 4138,  
 4140, 4203, 4205, 4223, 4226, 4227, 4229, 4232, 4237, 4264, 4311,  
 4600, 4601, 4137, 4601

**1128 890 3900 Installing tool**

1122, 1128

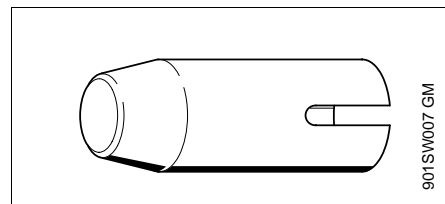
**1129 893 2400 Press sleeve**

1129, 4126, 4135, 4139, 4144

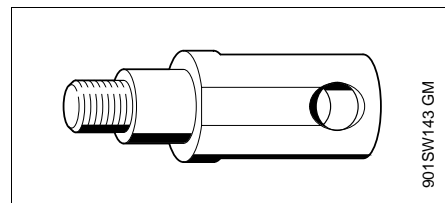


**1129 893 4600 Installing sleeve**

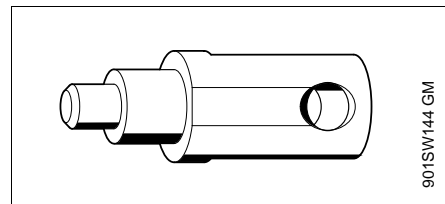
1129, 4126, 4135, 4113, 4140, 4229, 4232, 4245, 4601

**1130 893 1400 Puller**

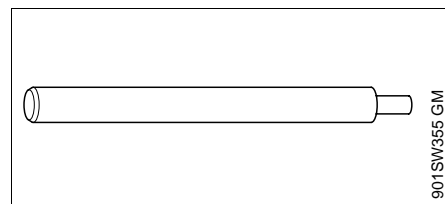
1130

**1130 893 1500 Installer**

1130

**1130 893 4700 Assembly drift**

1125, 1130, 1132, 4139, 4144, 4241, 4244

**1132 890 1700 Installing tool**

- 1 Screw rod (1)
  - 2 Press arbor (1)
  - 3 Thrust piece (1)
  - 4 Hexagon head screw M6x60 (1)
  - 5 Hexagon nut M5 (1)
- 1132

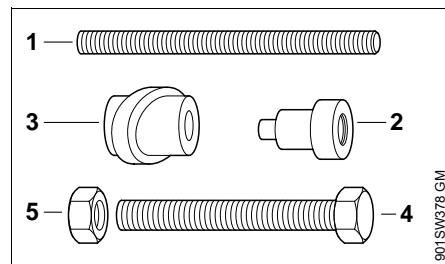
1132 893 8200

1132 893 7200

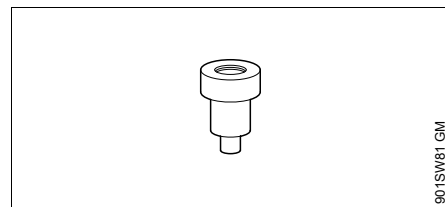
1132 893 8700

9008 319 1450

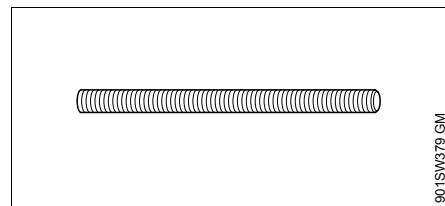
9210 260 0700

**1132 893 7200 Press arbor**

1132

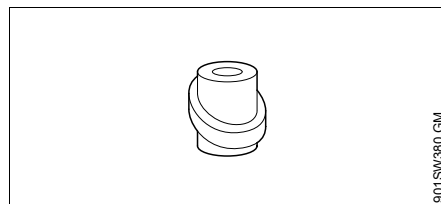
**1132 893 8200 Screw rod**

1132



**1132 893 8700 Thrust piece**

1132



901SW350 GM

**1135 890 4500 Puller**

Hexagon head screw (1)

0000 951 0900

Spline screw

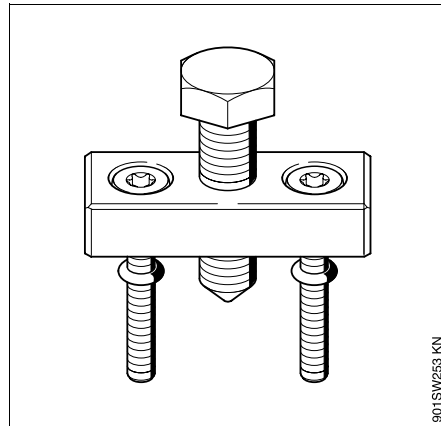
9022 341 1080

IS-M5x35 (2)

O-ring 4x2 (2)

9646 945 0160

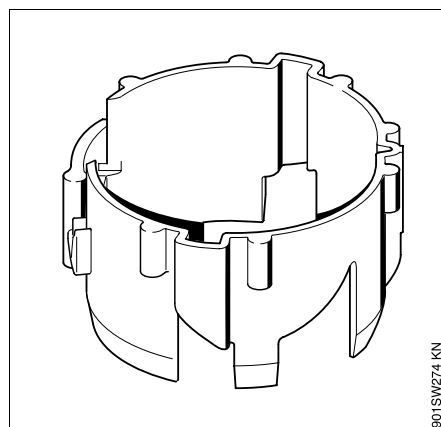
1135, 1138, 1140, 4238



901SW253 KN

**1137 893 2600 Clamping strap**

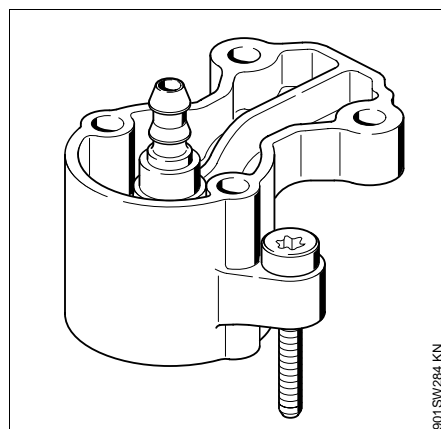
1137



901SW274 KN

**1138 890 1200 Flange**

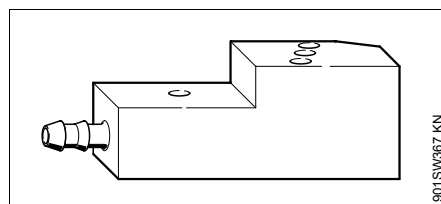
1138



901SW284 KN

**1139 893 2500 Flange**

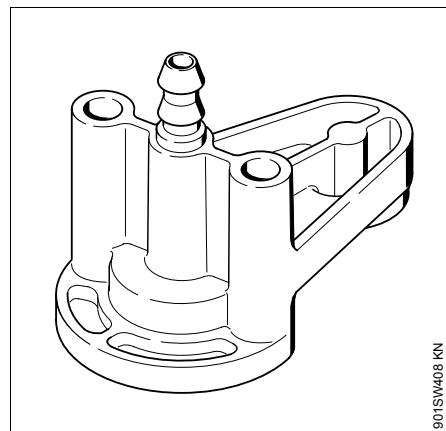
1139



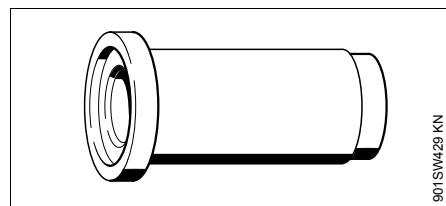
901SW367 KN

**1140 890 1200 Flange**

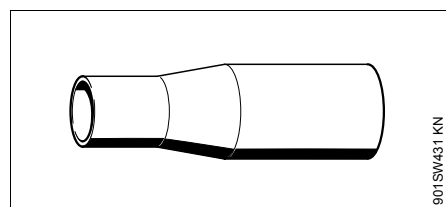
1140

**1141 893 2400 Press sleeve**

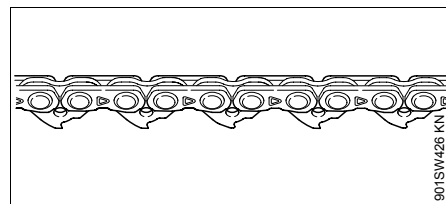
1141

**1141 893 4600 Installing sleeve**

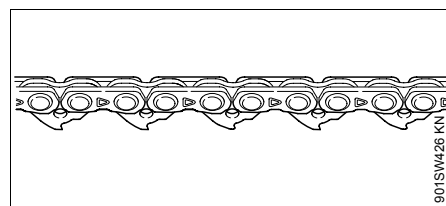
1141

**3110 003 0044 Chain without cutters 3/8" P 1.1**

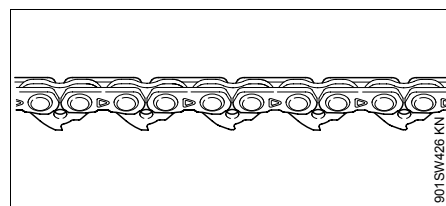
1123, 1129, 1130, 1132, 1137, 1139

**3111 003 0062 Chain without cutters .325" 1.3**

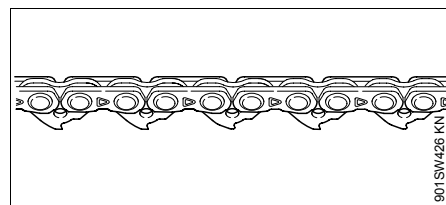
1121, 1123, 1127, 1133, 1141

**3112 003 0066 Chain without cutters 3/8" 1.6**

1119, 1122, 1125, 1127, 1128, 1135, 1138, 1140

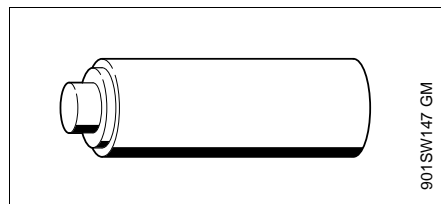
**3113 003 0068 Chain without cutters .404" 1.6**

1106, 1122, 1124



**4110 893 7800 Press arbor**

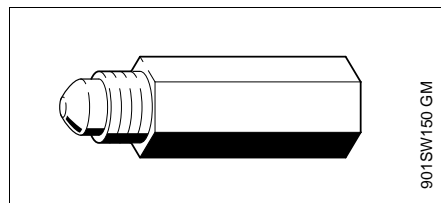
4223



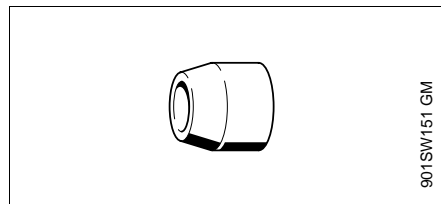
901SW147 GM

**4112 893 1200 Locking screw for piston**

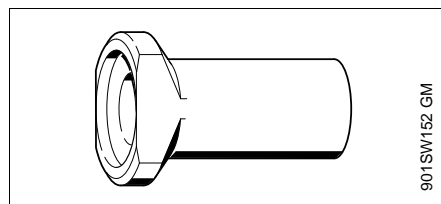
4126, 4135, 4211, 4213



901SW150 GM

**4112 893 2400 Installing sleeve**4126, 4126, 4135, 4113, 4128, 4134, 4134, 4128, 4135, 4137, 4138,  
4140, 4180, 4182, 4183, 4211, 4213, 4222, 4226, 4227, 4232, 4249,  
4264, 4280, 4311, 4601

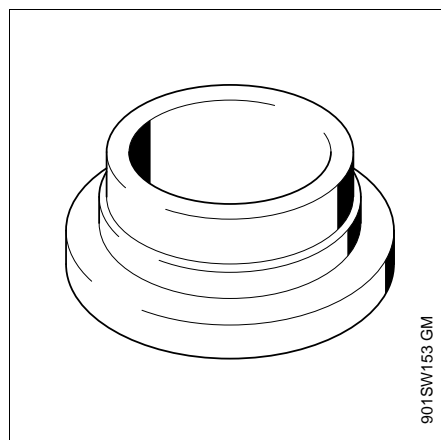
901SW151 GM

**4112 893 2401 Press sleeve**1137, 4126, 4135, 4113, 4128, 4133, 4134, 4134, 4128, 4137, 4138,  
4140, 4180, 4182, 4211, 4213, 4226, 4227, 4232, 4237, 4264, 4280,  
4600, 4601, 4137, 4601, 4719, 4721, 4737

901SW152 GM

**4112 893 6400 Ring gauge**

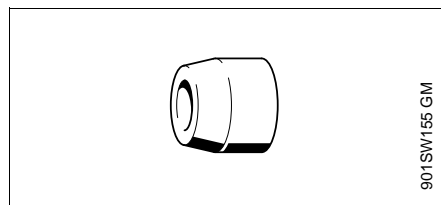
4249



901SW153 GM

**4116 893 4601 Installing sleeve**

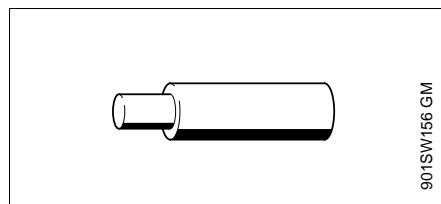
4116



901SW155 GM

**4116 893 4700 Assembly drift**

4116, 4128, 4134

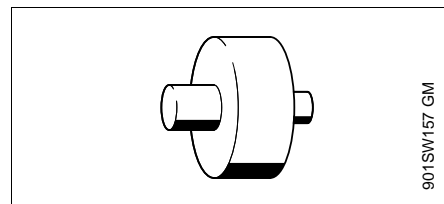


901SW156 GM

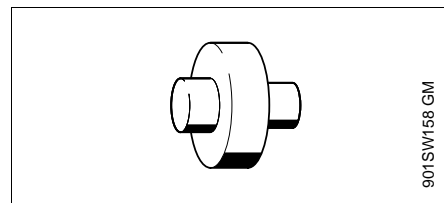


**4116 893 7200 Press arbor**

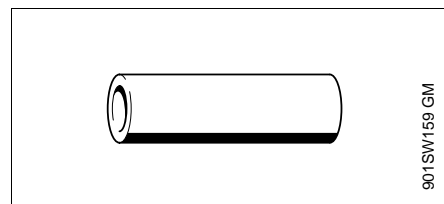
4116

**4116 893 7205 Press arbor**

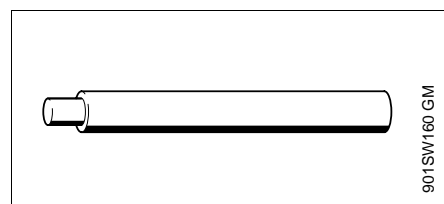
1208, 4116, 4222, 4223, 4311, 4313

**4116 894 1000 Thrust piece**

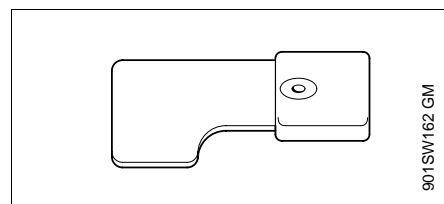
4116, 4128, 4134, 4134, 4128, 4249

**4117 893 4700 Assembly drift**

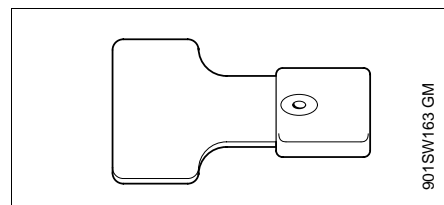
4135, 4222, 4311

**4118 890 6400 Setting gauge**

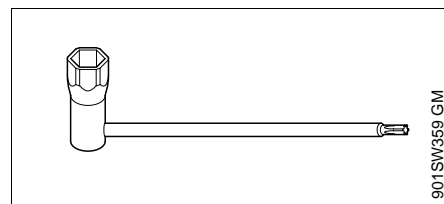
4119, 4126, 4135, 4113, 4128, 4133, 4134, 4134, 4128, 4137, 4138, 4203, 4205, 4226, 4227

**4118 890 6401 Setting gauge**

1137, 4137, 4138, 4180, 4182, 4183, 4237, 4244, 4249, 4280, 4282, 4600, 4601, 4137

**4119 890 3400 Combination wrench**

4126, 4135, 4170, 4222, 4311

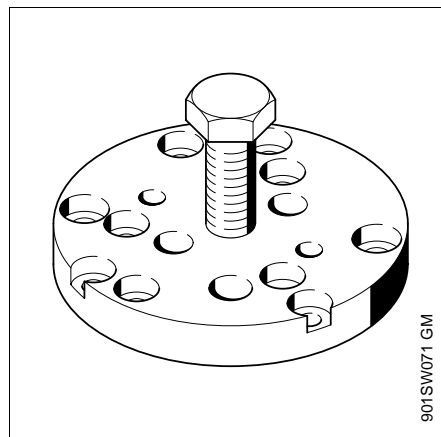


**4119 890 4501 Puller**

Socket head screw  
M5x16 (3)

9045 371 0980

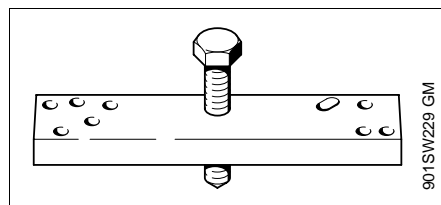
4126, 4126, 4135, 4113, 4133, 4135, 4170, 4180, 4182, 4203, 4222,  
4226, 4227, 4280, 4311

**4119 890 4600 Removing tool**

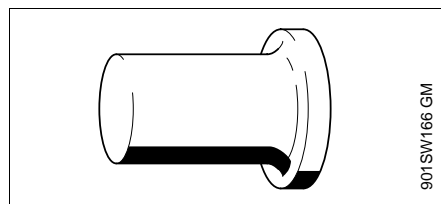
Hexagon head screw M10x55 (1)

0000 951 0920

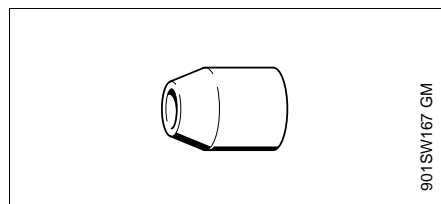
4116, 4119, 4126, 4126, 4135, 4113, 4128, 4134, 4134, 4128, 4135,  
4264

**4119 893 2400 Press sleeve**

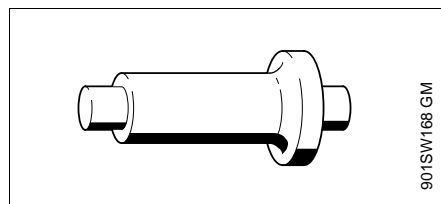
4119, 4180, 4182, 4183, 4249, 4280

**4119 893 4600 Installing sleeve**

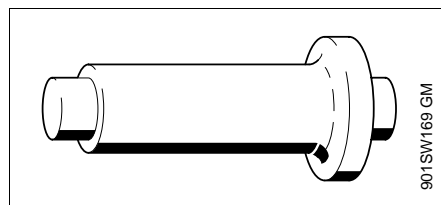
4119, 4133, 4139, 4144, 4237, 4241

**4119 893 7200 Press arbor**

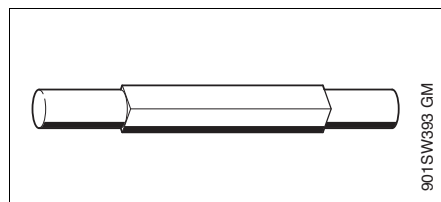
4119, 4126, 4126, 4135, 4113, 4128, 4133, 4134, 4134, 4128, 4135,  
4137, 4138, 4205, 4221, 4222, 4223, 4226, 4227, 4230, 4238, 4249,  
4264, 4600, 4601, 4137, 4601, 4802, 4803

**4119 893 7205 Press arbor**

4311

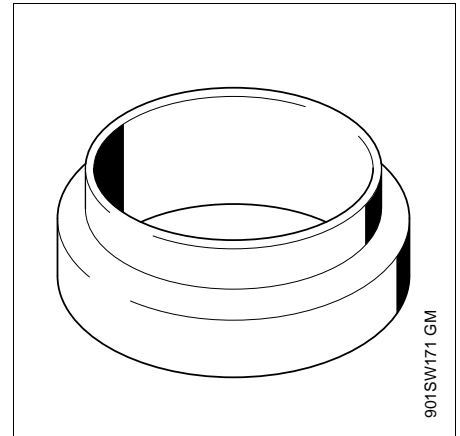
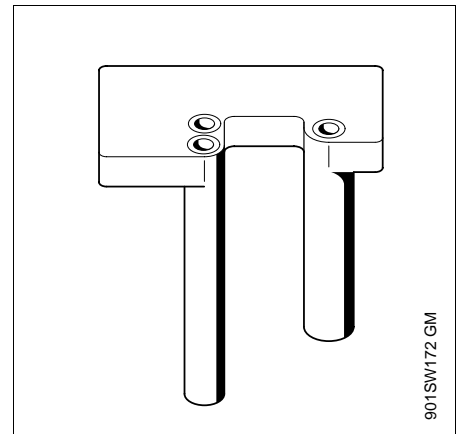
**4126 893 4900 Installing tool**

4126, 4128, 4134, 4134, 4128, 4137, 4138, 4170

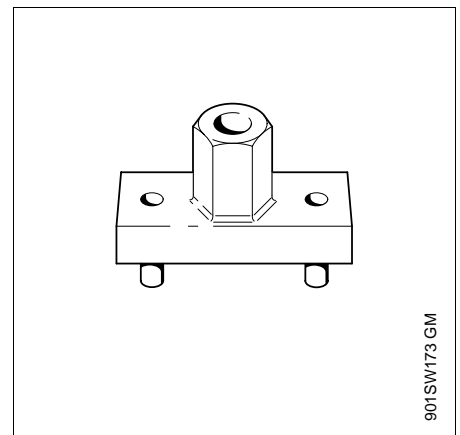


**4129 893 6400 Ring gauge**

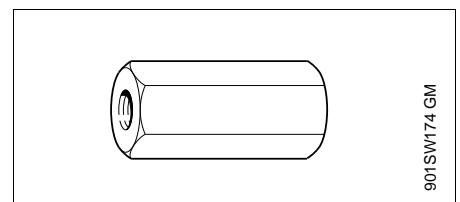
4311

**4130 855 7700 Guide****4130 890 3600 Wrench**

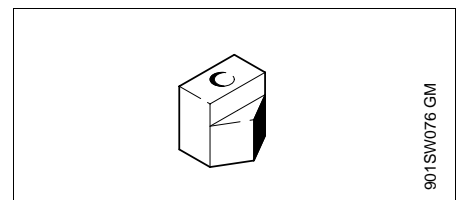
4139, 4140, 4144, 4232, 4601

**4133 893 0800 Puller**

1132, 4128, 4133, 4134, 4134, 4128, 4137, 4138, 4226, 4227, 4264, 4600, 4601, 4137

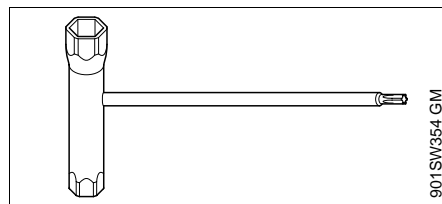
**4133 893 1301 Wrench**

4226, 4227, 4228

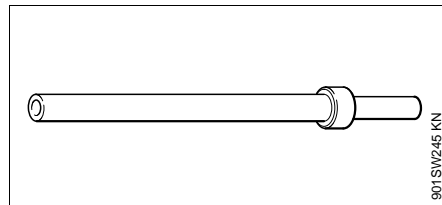


**4180 890 3400 Combination wrench**

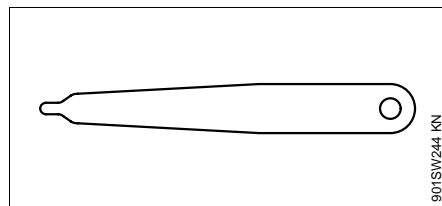
4180, 4182, 4183, 4249, 4280, 4282

**4180 893 4400 Extension**

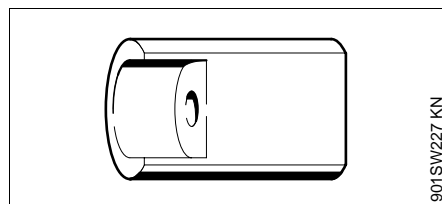
4180, 4182, 4183, 4249, 4280

**4180 893 6400 Setting gauge**

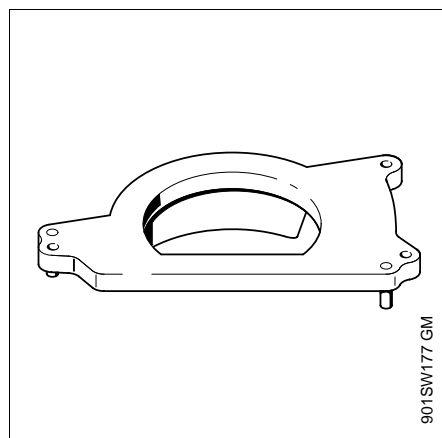
4180, 4182, 4183, 4249, 4280, 4282

**4203 893 4600 Installing sleeve**

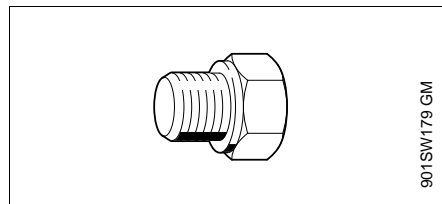
4203

**4211 890 6400 Setting gauge**

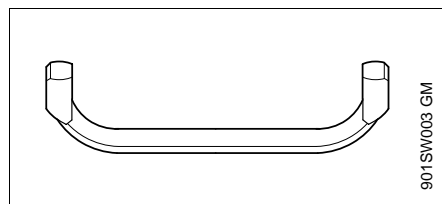
4211, 4213

**4221 025 2200 Plug**

4223, 4224, 4238

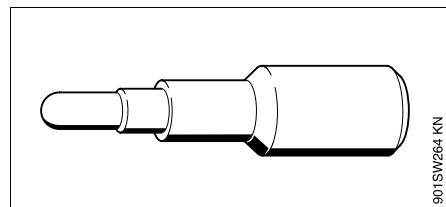
**4221 893 5900 Locking strip**

4126, 4135, 4113, 4128, 4134, 4134, 4128, 4205, 4221, 4232, 4264, 4601, 4802, 4803



**4224 691 0100 Locking screw**

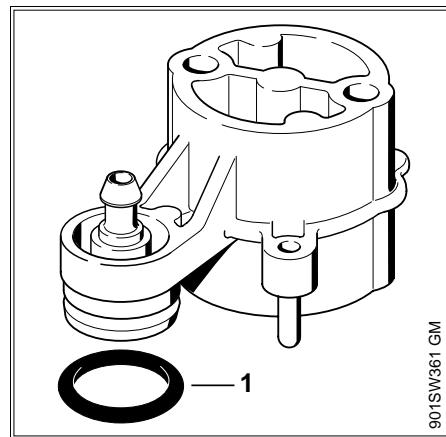
4180, 4182, 4183, 4237, 4249, 4280, 4282

**4224 890 1200 Flange**

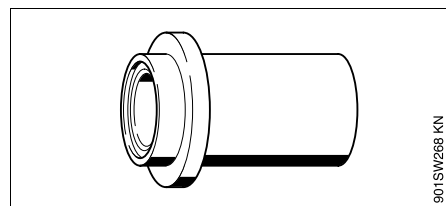
1 O-ring 17x3 (1)

9645 945 7574

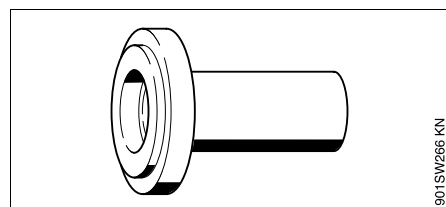
4224

**4224 893 2400 Press sleeve**

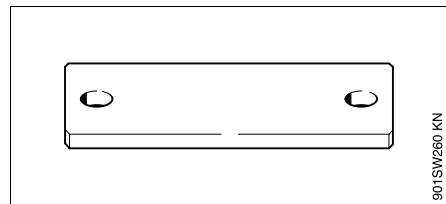
4224

**4224 893 2401 Press sleeve**

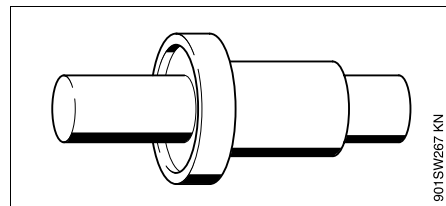
4224

**4224 893 2501 Flange**

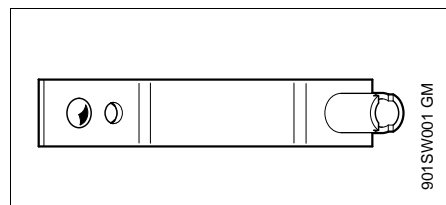
4224

**4224 893 7200 Press arbor**

4224, 4238

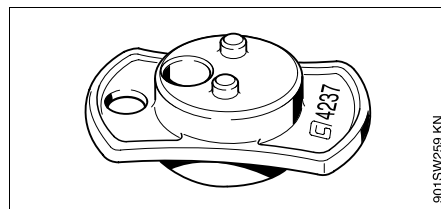
**4226 890 3600 Wrench**

4226, 4227

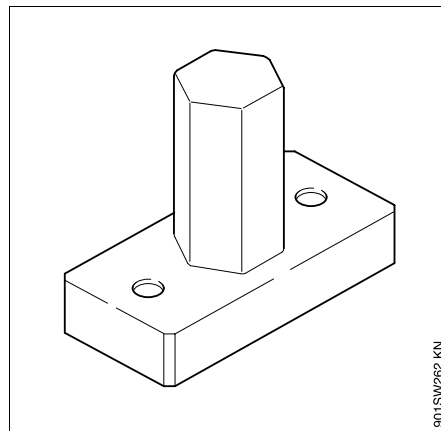


**4237 890 2200 Service tool, trimmer gearbox connecting rod**

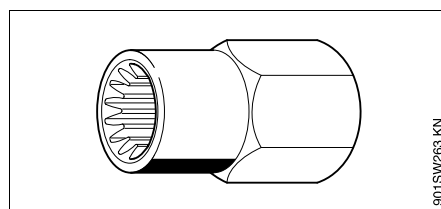
4237

**4237 890 2201 Service tool, trimmer clutch drum**

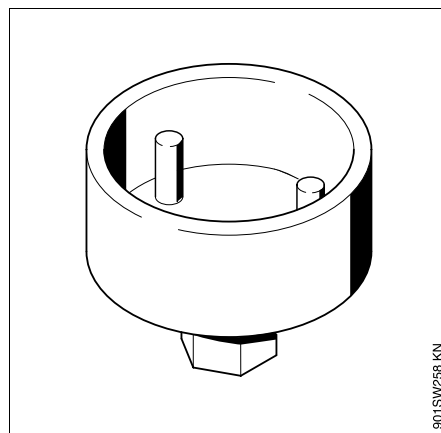
4237

**4237 890 2202 Service tool, trimmer clutch drum**

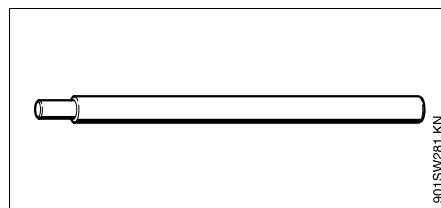
4237

**4237 890 2203 Service tool, clutch**

4237

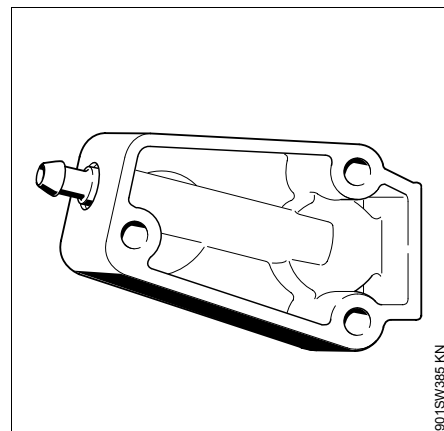
**4237 893 4700 Assembly drift**

1122, 1127, 1133, 4116, 4130, 4203, 4205, 4237, 4238, 4249

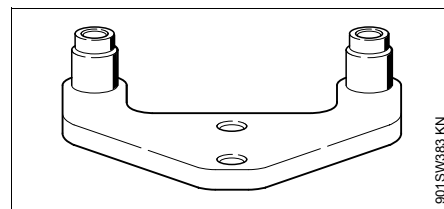


**4238 890 1200 Flange**

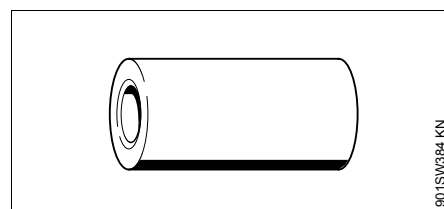
4238

**4238 890 2100 Clamping plate**

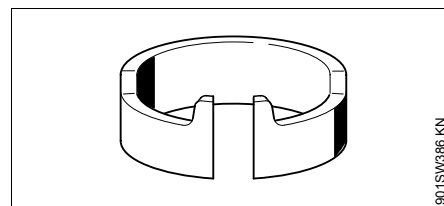
4238

**4238 893 2400 Press sleeve**

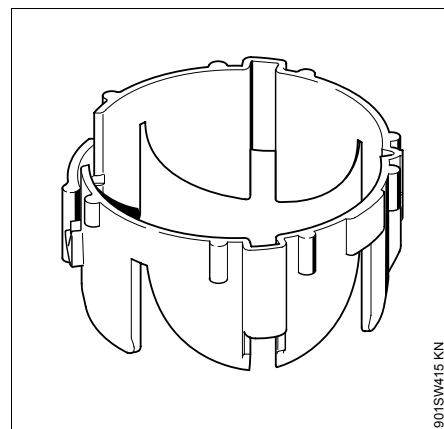
4238

**4238 893 7000 Ring**

4238

**4244 893 2600 Clamping strap**

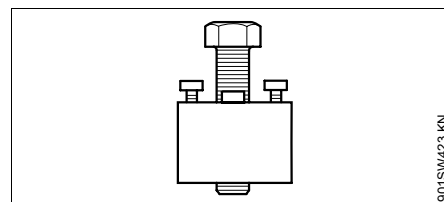
4244

**4246 890 4500 Puller**

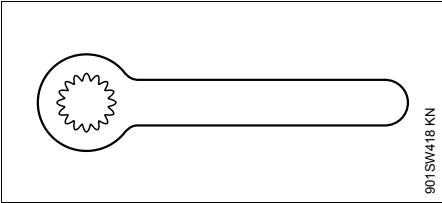
Set of screws (1)

5910 007 1001

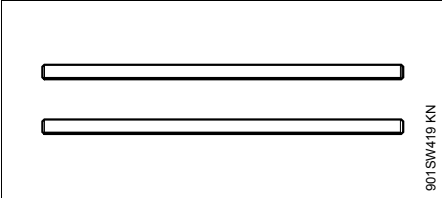
4264



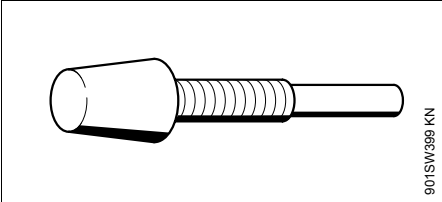
4246 893 1300 Wrench  
4264



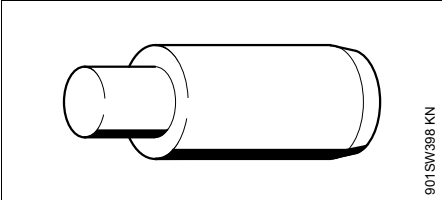
4246 893 7800 Locking pin  
4264



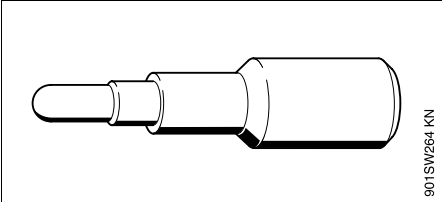
4249 893 1100 Installing mandrel  
4249



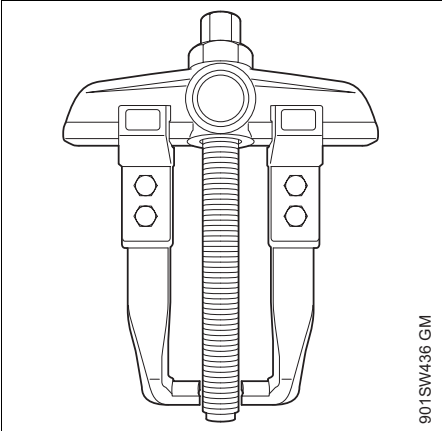
4249 893 9400 Centering pin  
4249



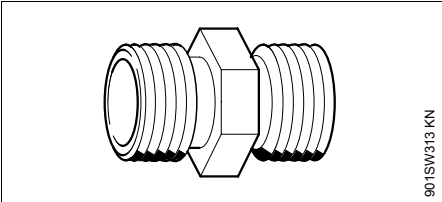
4282 890 2700 Locking screw  
4180, 4182, 4183, 4237, 4249, 4280, 4282



4703 890 4500 Puller  
4705, 4710, 4706, 4707, 4719, 4721, 4724, 4731, 4732, 4735, 4736,  
4737, 4743, 4744, 4765, 4766, 4767



4704 701 6510 Connector  
4751, 4770, 4771





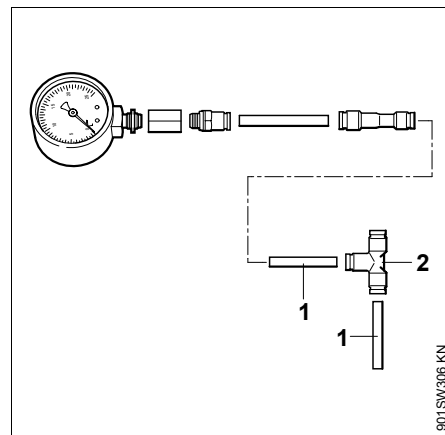
**4712 850 3200 Pressure gauge**

- 1 Connector (2)
- 2 T-piece (1)

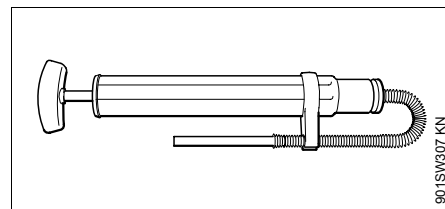
4706, 4707, 4724, 4735, 4736

4770 855 6000

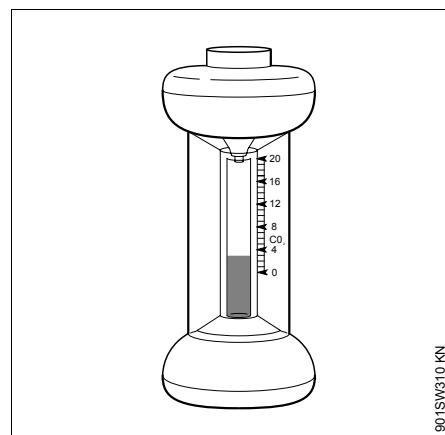
4770 855 6100

**4712 850 3400 Smoke spot pump**

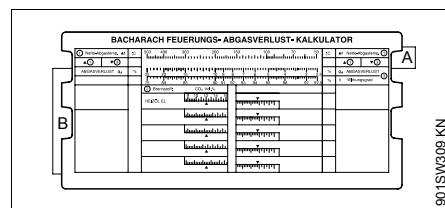
4706, 4707, 4724, 4735, 4736

**4712 850 7000 CO2 analyzer**

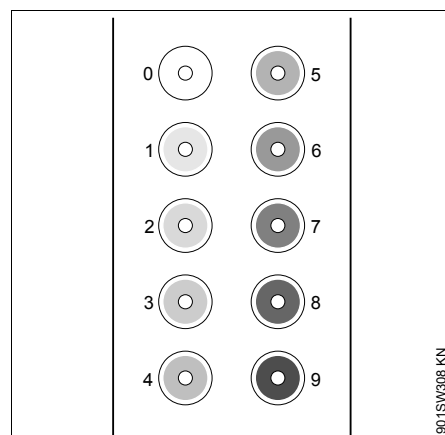
4706, 4707, 4724, 4735, 4736

**4712 850 7100 Flue gas loss calculator**

4706, 4707, 4724, 4735, 4736

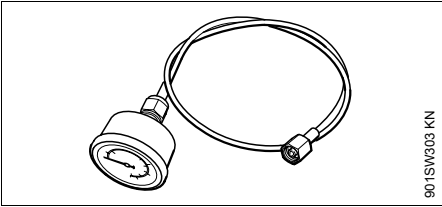
**4712 855 3500 Smoke spot scale**

4706, 4707, 4724, 4735, 4736



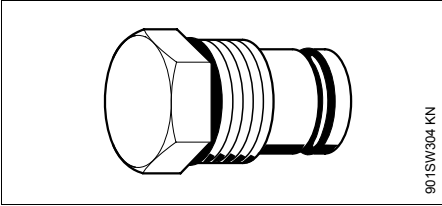
4724 512 0500 Pressure gauge

4751, 4752, 4759, 4770, 4771



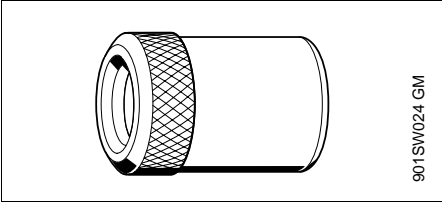
4735 890 3300 Screw plug

4735, 4736



5805 751 8600 Threaded bushing

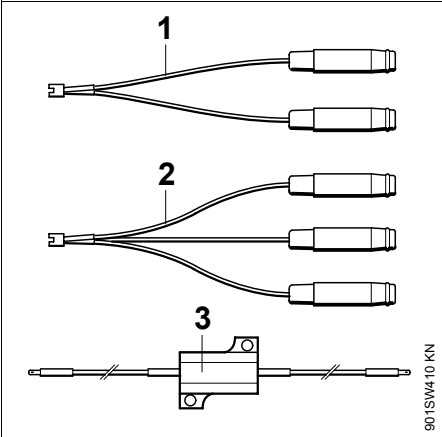
4139, 4140, 4144, 4229, 4232, 4241, 4601



5910 007 1500 Set of testing tools

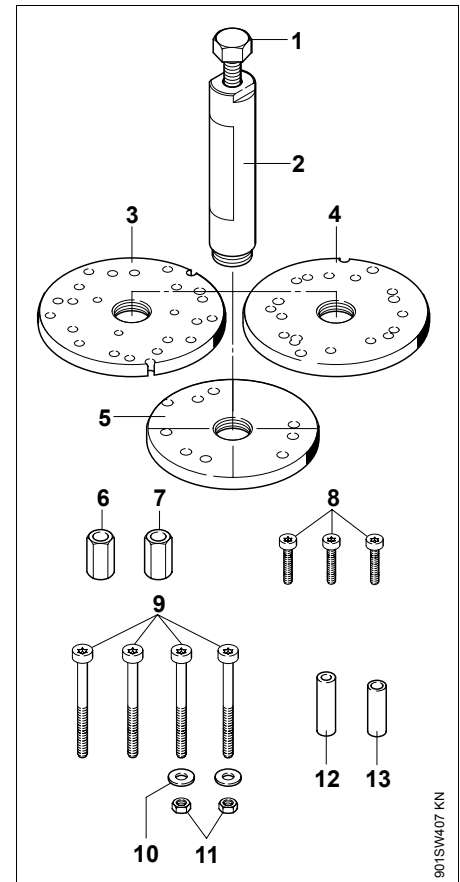
- 1 Test lead switch lever (1)
  - 2 Test lead trigger switch (1)
  - 3 Laboratory resistor (1)
- 4851

5910 840 0900  
5910 840 0901  
5910 843 0200

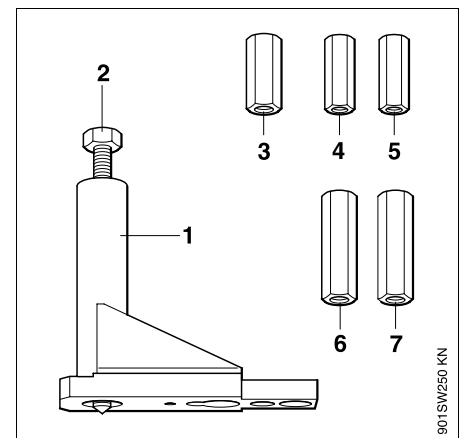


**5910 007 2200 Service tool ZS**

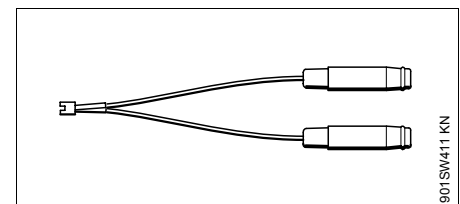
1 Spindle ZS (1)	5910 893 8505
2 Screw sleeve (1)	5910 890 1800
3 Drilled plate (1)	5910 893 2101
4 Drilled washer (1)	5910 893 2102
5 Drilled washer (1)	5910 893 2103
6 Screw sleeve (1)	5910 893 2420
7 Screw sleeve (1)	5910 893 2421
8 Spline screw IS-M4x25 (3)	9022 313 0740
9 Spline screw IS-M5x72 (4)	9022 341 1190
10 Washer 5.3 (2)	9307 021 0120
11 Hexagon nut M5 (2)	9210 260 0700
12 Sleeve (1)	5910 893 1702
13 Sleeve (1)	5910 893 1701
1118, 1122, 1124, 1125, 1128, 1135, 1140, 4128, 4134, 4137, 4138, 4223, 4224, 4238	

**5910 007 2205 Service tool AS**

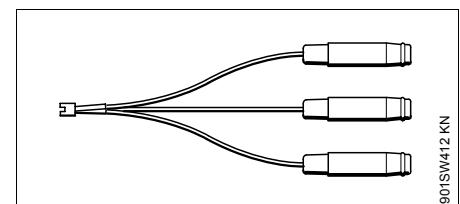
1 Service tool AS (1)	5910 890 2205
2 Spindle AS (1)	5910 893 8500
3 Screw sleeve (1)	5910 893 2405
4 Screw sleeve (1)	5910 893 2406
5 Screw sleeve (1)	5910 893 2407
6 Screw sleeve (1)	5910 893 2408
7 Screw sleeve (1)	5910 893 2409
1118, 1119, 1122, 1124, 1125, 1128, 1129, 1135, 1138, 1140, 4224	

**5910 840 0900 Test lead switch lever**

4851

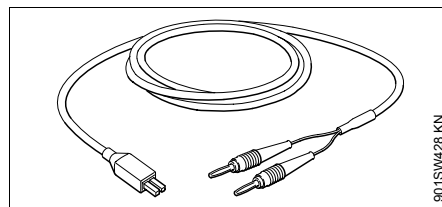
**5910 840 0901 Test lead trigger switch**

4851



**5910 840 0903 Test lead M-Tronic**

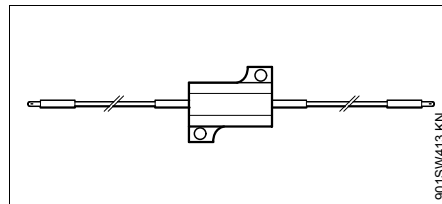
1138



901SW428 KN

**5910 843 0200 Laboratory resistor**

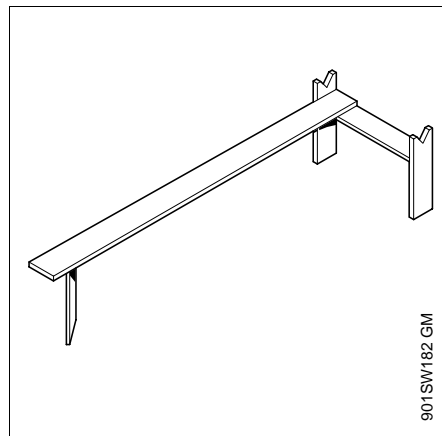
4851



901SW413 KN

**5910 850 0400 Test jig**

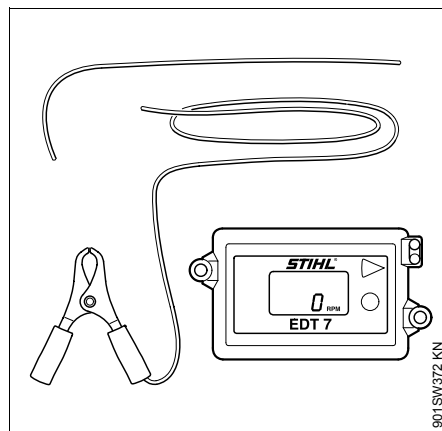
4205



901SW182 GM

**5910 850 1008 Tachometer EDT 7**

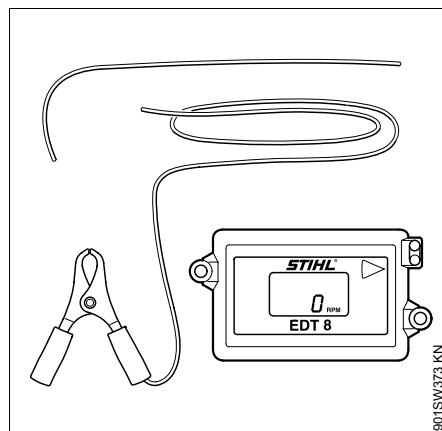
1106, 1114, 1115, 1118, 1119, 1121, 1122, 1123, 1124, 1125, 1127,  
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 4126, 4128, 4130, 4133, 4134, 4135, 4137, 4138, 4140, 4170, 4180,  
 4182, 4183, 4201, 4203, 4205, 4221, 4222, 4223, 4224, 4226, 4227,  
 4228, 4229, 4230, 4232, 4237, 4238, 4245, 4249, 4280, 4282, 4311,  
 4313, 4314, 4601, 4602



901SW372 KN

**5910 850 1009 Tachometer EDT 8**

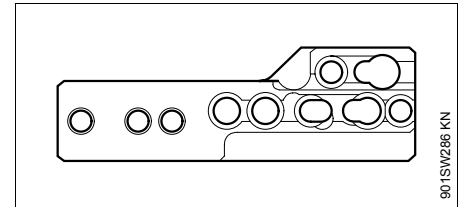
1106, 1114, 1115, 1118, 1119, 1121, 1122, 1123, 1124, 1125, 1127,  
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 4126, 4128, 4130, 4133, 4134, 4135, 4137, 4138, 4140, 4170, 4180,  
 4182, 4183, 4201, 4203, 4205, 4221, 4222, 4223, 4224, 4226, 4227,  
 4228, 4229, 4230, 4232, 4237, 4238, 4245, 4249, 4280, 4282, 4311,  
 4313, 4314, 4601, 4602



901SW373 KN

**5910 850 1650 Support**

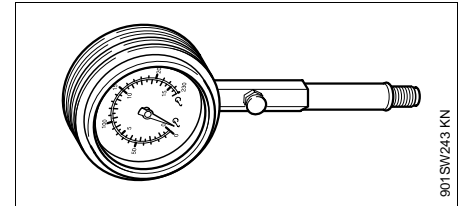
1124, 1138, 1139, 1140



901SW286 KN

**5910 850 2000 Compression tester**

4180, 4182, 4183, 4249, 4280, 4282



901SW243 KN

**5910 850 2100 Clamping plate**1 Hexagon head screw  
M12x20 (2)

9008 319 2930

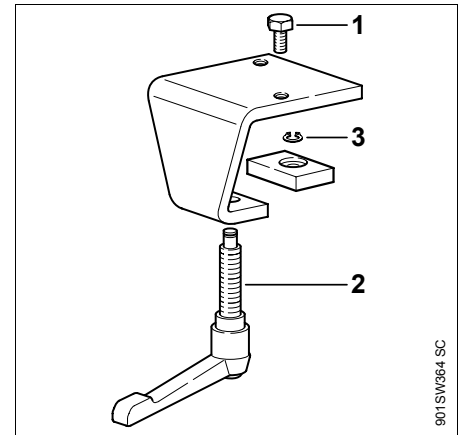
2 Clamp lever (1)

5910 890 1901

3 Circlip 10x1 (1)

9455 621 0850

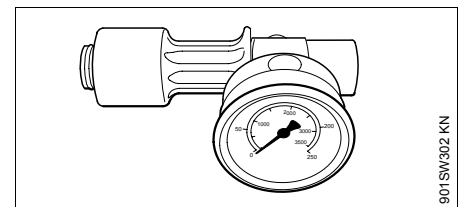
1106, 1114, 1115, 1118, 1119, 1121, 1122, 1123, 1124, 1125, 1127,  
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 4116, 4126, 4128, 4133, 4134, 4135, 4137, 4138, 4140, 4170, 4180,  
 4182, 4183, 4201, 4203, 4205, 4221, 4223, 4224, 4226, 4227, 4232,  
 4237, 4249, 4601



901SW364 SC

**5910 850 3202 Pressure gauge**

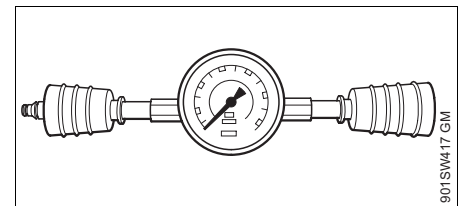
4747, 4748



901SW302 KN

**5910 850 3204 Pressure gauge**

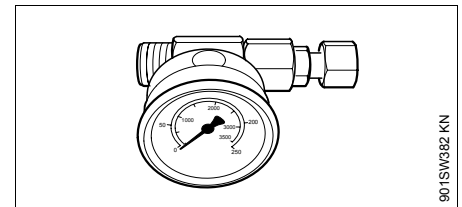
4740, 4741, 4743, 4744, 4753, 4757



901SW417 GM

**5910 850 3206 Pressure gauge**

4753, 4757

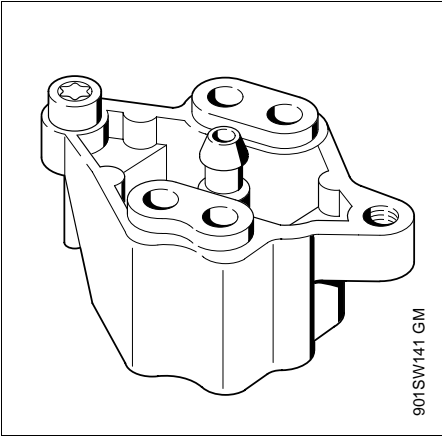


901SW382 KN

5910 850 4200 Flange

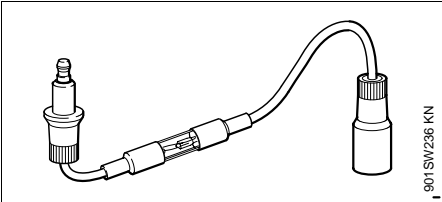
Screw M5x30 (1)  
4139, 4144, 4241, 4244

1128 855 9000



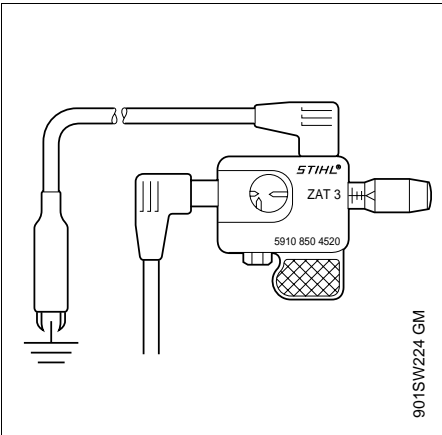
5910 850 4503 Ignition system tester, ZAT 4

1121, 1124, 1133, 1135, 1137, 1138, 1139, 1140, 4137, 4138, 4139,  
4140, 4144, 4180, 4182, 4183, 4203, 4224, 4229, 4232, 4237, 4238,  
4241, 4244, 4249, 4280, 4282, 4600, 4601, 4137, 4601



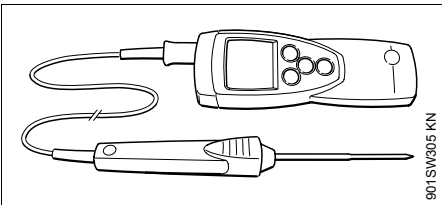
5910 850 4520 Ignition system tester, ZAT 3

1121, 1124, 1133, 1135, 1137, 1138, 1139, 1140, 4137, 4138, 4139,  
4140, 4144, 4180, 4182, 4183, 4229, 4232, 4237, 4238, 4241, 4244,  
4249, 4280, 4282, 4600, 4601, 4137, 4601



5910 850 5000 Thermometer

4706, 4707, 4712, 4724, 4735, 4736, 4751, 4752, 4759, 4770, 4771



5910 850 5200 Installing tool for Heli-Coil inserts

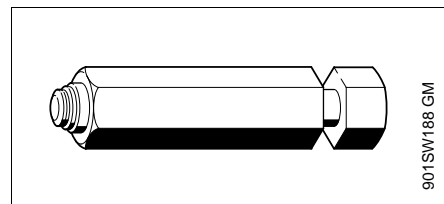
Threaded insert M4x8 (10)  
Threaded insert M5x10 (10)  
Threaded insert  
M6x12 (10)  
Threaded insert  
M8x16 (10)  
Threaded insert  
M14x1.25x8.4 (10)  
1114, 1115

9795 003 0260  
9795 003 0360  
9795 003 0460  
  
9795 003 0660  
  
9795 003 4610

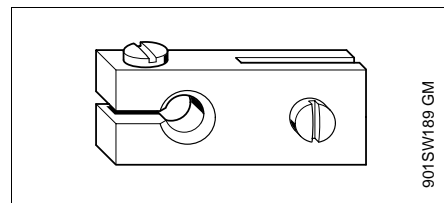


**5910 850 5210 Installing tool for Gripp threaded inserts**

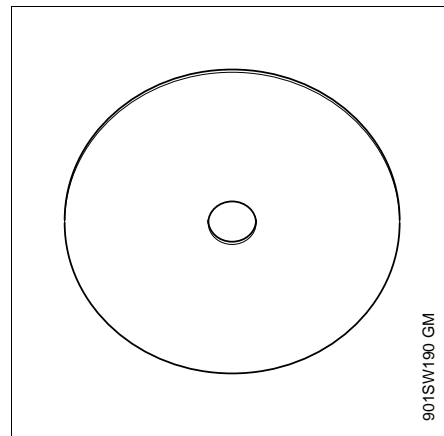
1114, 1115

**5910 850 6000 Dial gauge holder**

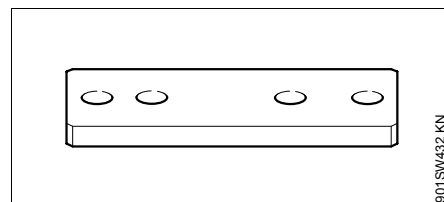
4201, 4205, 4221, 4223, 4224, 4238

**5910 851 6100 Test disk**

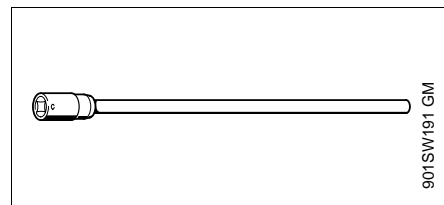
4201, 4205, 4221, 4223, 4224, 4238

**5910 855 4201 Flange**

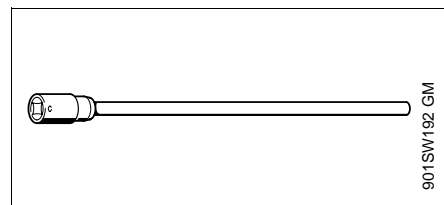
1141

**5910 890 0101 Socket, 4 mm**

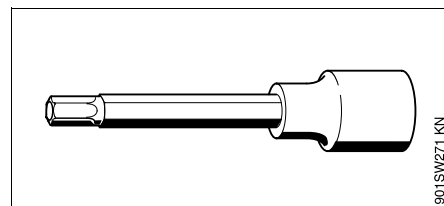
4205, 4211, 4213

**5910 890 0102 Socket, 5 mm**

1106, 1109, 1106

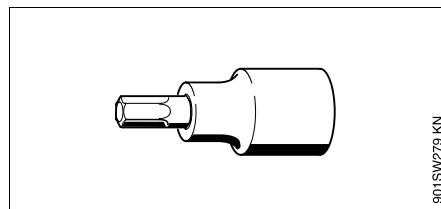
**5910 890 0105 Socket, T45**

4314



**5910 890 0106 Socket, T50**

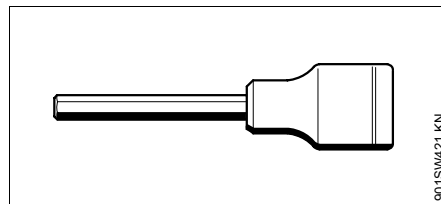
4116



901SW279 KN

**5910 890 0107 Socket, 6 mm**

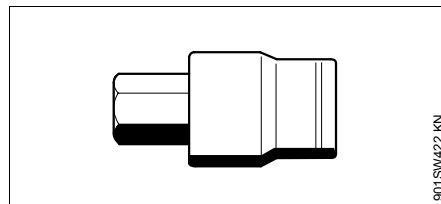
4264



901SW421 KN

**5910 890 0108 Socket, 19 mm**

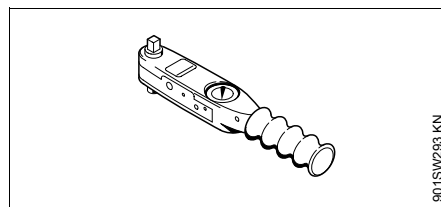
4264



901SW422 KN

**5910 890 0301 Torque wrench**

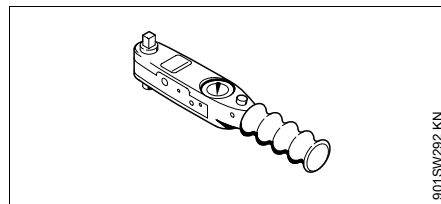
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 1140, 1206, 1207, 1208, 4116, 4119, 4126, 4126, 4135, 4113, 4128,  
 4130, 4133, 4134, 4134, 4128, 4135, 4137, 4138, 4139, 4140, 4144,  
 4170, 4180, 4182, 4183, 4201, 4203, 4205, 4211, 4213, 4221, 4223,  
 4224, 4226, 4227, 4228, 4229, 4230, 4232, 4237, 4244, 4245, 4249,  
 4264, 4280, 4282, 4311, 4313, 4314, 4600, 4600, 4601, 4137, 4601,  
 4602, 4703, 4705, 4710, 4706, 4707, 4717, 4717, 4718, 4719, 4721,  
 4722, 4731, 4732, 4735, 4736, 4737, 4751, 4752, 4753, 4754, 4755,  
 4756, 4757, 4759, 4765, 4766, 4767, 4770, 4771, 4802, 4803



901SW293 KN

**5910 890 0302 Torque wrench with optical/acousticsignal**

1106, 1109, 1106, 1114, 1115, 1119, 1121, 1122, 1123, 1124, 1125,  
 1127, 1128, 1129, 1130, 1132, 1133, 1135, 1137, 1138, 1139, 1140,  
 1206, 1207, 1208, 4113, 4116, 4126, 4126, 4135, 4113, 4128, 4133,  
 4134, 4134, 4128, 4135, 4137, 4138, 4139, 4140, 4144, 4170, 4180,  
 4182, 4201, 4203, 4205, 4213, 4221, 4222, 4223, 4224, 4226, 4227,  
 4228, 4229, 4230, 4232, 4237, 4238, 4241, 4244, 4245, 4264, 4280,  
 4282, 4311, 4313, 4314, 4600, 4601, 4137, 4601, 4602, 4703, 4705,  
 4710, 4706, 4707, 4712, 4717, 4717, 4718, 4719, 4721, 4722, 4726,  
 4728, 4731, 4732, 4735, 4736, 4737, 4740, 4741, 4743, 4744, 4747,  
 4748, 4751, 4752, 4753, 4754, 4755, 4756, 4757, 4759, 4765, 4766,  
 4767, 4770, 4771

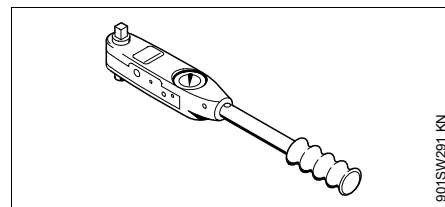


901SW292 KN



**5910 890 0311 Torque wrench**

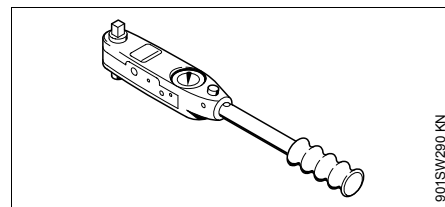
1106, 1109, 1106, 1114, 1115, 1118, 1119, 1121, 1122, 1123, 1124,  
 1125, 1127, 1128, 1129, 1130, 1132, 1133, 1135, 1137, 1138, 1139,  
 1140, 1206, 1207, 1208, 4116, 4119, 4126, 4126, 4135, 4113, 4128,  
 4130, 4133, 4134, 4134, 4128, 4135, 4137, 4138, 4139, 4140, 4144,  
 4170, 4180, 4182, 4183, 4201, 4203, 4205, 4211, 4213, 4221, 4223,  
 4224, 4226, 4227, 4228, 4229, 4230, 4232, 4237, 4244, 4245, 4249,  
 4264, 4280, 4282, 4311, 4313, 4314, 4600, 4600, 4601, 4137, 4601,  
 4602, 4703, 4705, 4710, 4706, 4707, 4717, 4717, 4718, 4719, 4721,  
 4722, 4726, 4728, 4731, 4732, 4735, 4736, 4737, 4740, 4741, 4743,  
 4744, 4747, 4748, 4751, 4752, 4753, 4754, 4755, 4756, 4757, 4759,  
 4765, 4766, 4767, 4770, 4771, 4803



901SW291 KN

**5910 890 0312 Torque wrench with optical/acousticsignal**

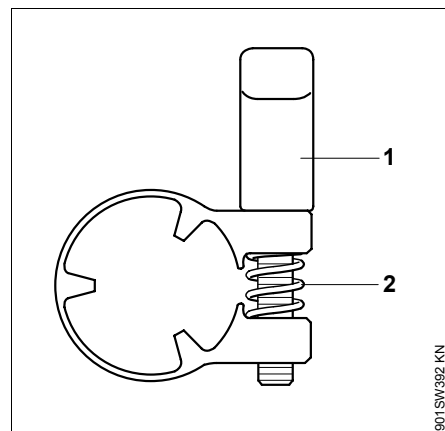
1106, 1115, 1119, 1121, 1123, 1124, 1125, 1127, 1128, 1129, 1130,  
 1132, 1133, 1135, 1137, 1138, 1139, 1140, 1204, 1206, 1207, 1208,  
 4113, 4116, 4126, 4126, 4135, 4113, 4128, 4133, 4134, 4134, 4128,  
 4135, 4137, 4138, 4139, 4140, 4144, 4170, 4201, 4203, 4205, 4221,  
 4222, 4223, 4224, 4226, 4227, 4228, 4230, 4232, 4238, 4241, 4244,  
 4264, 4282, 4311, 4313, 4314, 4600, 4600, 4601, 4137, 4601, 4703,  
 4705, 4710, 4706, 4707, 4712, 4717, 4717, 4718, 4719, 4721, 4722,  
 4724, 4726, 4728, 4731, 4732, 4735, 4736, 4737, 4738, 4740, 4741,  
 4743, 4744, 4747, 4748, 4751, 4752, 4753, 4754, 4755, 4756, 4757,  
 4759, 4765, 4766, 4767, 4770, 4771



901SW290 KN

**5910 890 1100 Hose clamp**

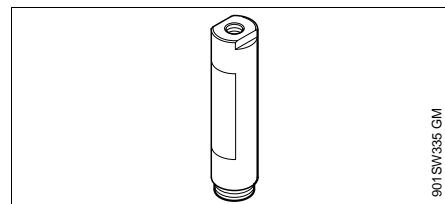
1 Star grip screw M8x35-AL (1)	9570 601 1880
2 Compression spring (1)	0000 997 1335
4139, 4144	



901SW392 KN

**5910 890 1800 Screw sleeve**

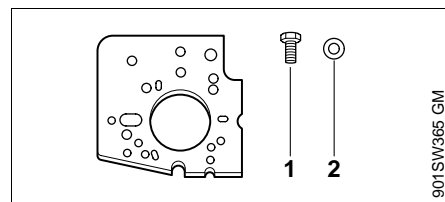
1124, 1128, 1135, 4224



901SW335 GM

**5910 890 2100 Clamping plate**

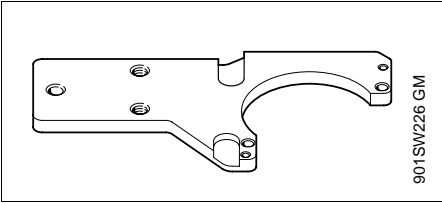
1 Hexagon head screw M10x25 (1)	9008 319 2390
2 Washer 10.5 (1)	9291 021 0200
4116, 4126, 4133, 4135, 4137, 4138, 4203, 4226, 4227	



901SW365 GM

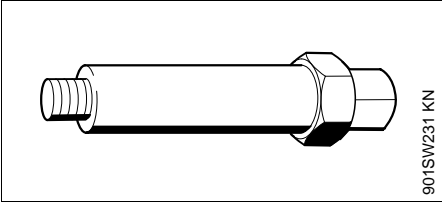
5910 890 2101 Clamping plate

4128, 4134, 4134, 4128, 4211, 4213



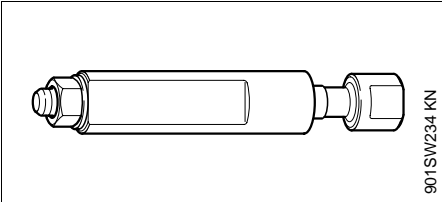
5910 890 2202 Installing tool

4126, 4135, 4113, 4128, 4134, 4134, 4128, 4137, 4138, 4264, 4600, 4601, 4137



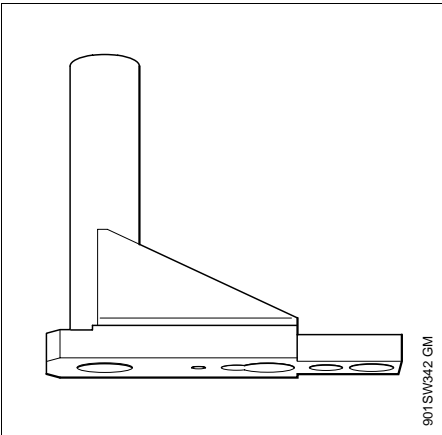
5910 890 2204 Installing tool

4139, 4140, 4144, 4228, 4232, 4237, 4314, 4601



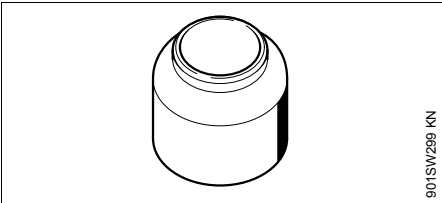
5910 890 2205 Service tool AS

1121, 1124, 4205



5910 890 2207 Installing tool

4765, 4766, 4767

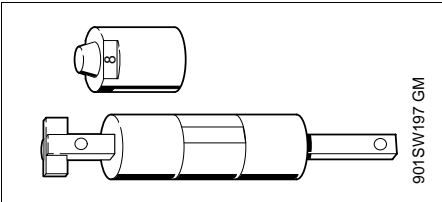


5910 890 2208 Installing tool, 8

Sleeve (1)

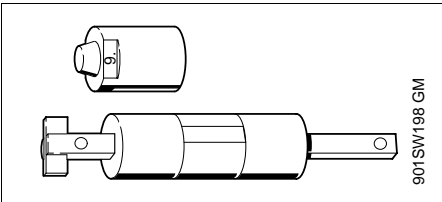
5910 893 1708

1130, 4126, 4126, 4135, 4113, 4133, 4135, 4137, 4138, 4139, 4144, 4180, 4182, 4183, 4211, 4213, 4226, 4227, 4237, 4241, 4249, 4280, 4600, 4601, 4137



5910 890 2209 Installing tool, 9

1129, 4180, 4182

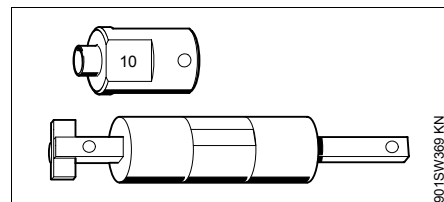


**5910 890 2210 Installing tool, 10**

Sleeve (1)

5910 893 1707

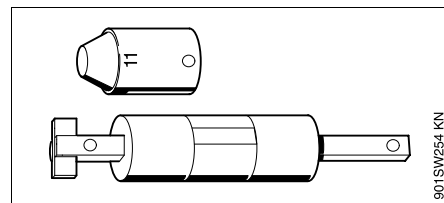
1121, 1123, 1125, 1127, 1128, 1133, 1137, 1139, 4116, 4119, 4126,  
4135, 4113, 4128, 4134, 4134, 4128, 4135, 4203, 4222, 4223, 4238,  
4264, 4311



901SW369 KN

**5910 890 2211 Installing tool, 11**

1135



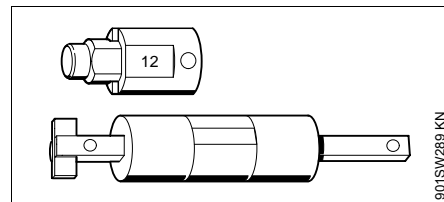
901SW254 KN

**5910 890 2212 Installing tool, 12**

Sleeve (1)

5910 893 1706

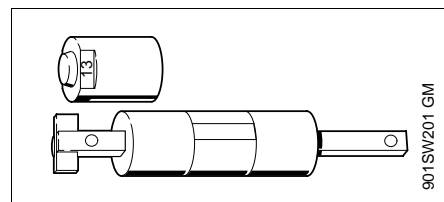
1119, 1122, 1128, 1138, 1140, 4221, 4224, 4244, 4282



901SW289 KN

**5910 890 2213 Installing tool, 13**

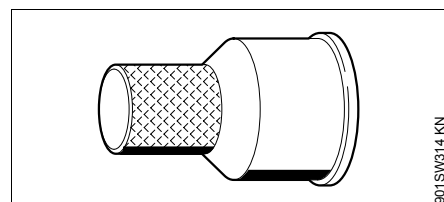
1124



901SW201 GM

**5910 890 2215 Installing tool**

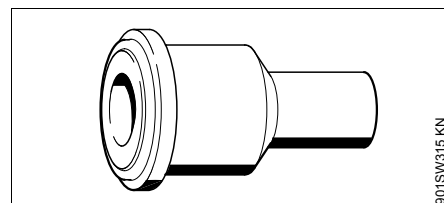
4752, 4759



901SW314 KN

**5910 890 2216 Installing tool**

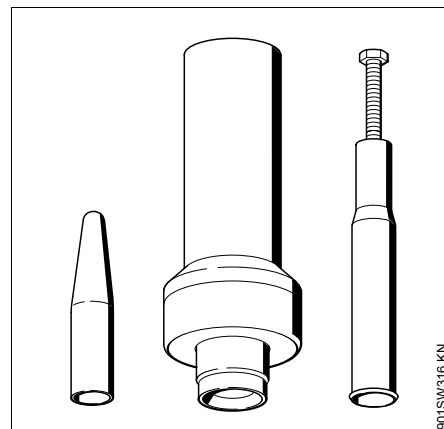
4751, 4770, 4771



901SW315 KN

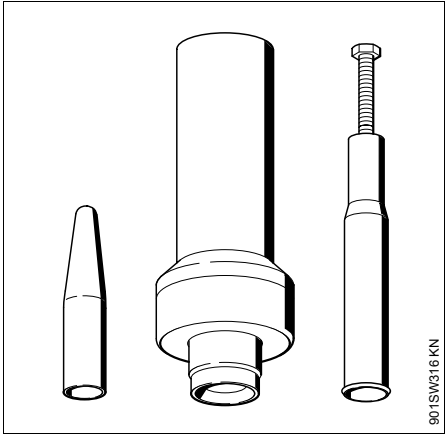
**5910 890 2217 Installing tool**

4752, 4759

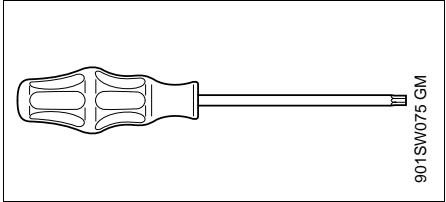


901SW316 KN

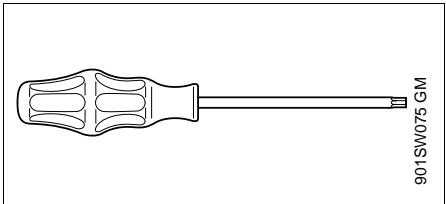
5910 890 2218 Installing tool  
4751, 4770, 4771



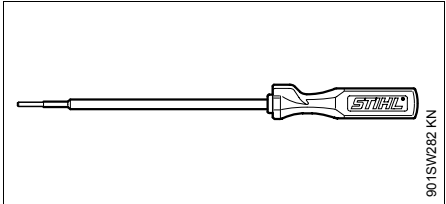
5910 890 2301 Screwdriver, T20  
1129, 1137, 1206, 1207, 1208, 4116, 4128, 4134, 4134, 4128, 4137,  
4138, 4170, 4180, 4182, 4183, 4249, 4264, 4280



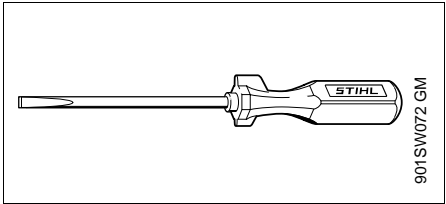
5910 890 2302 Screwdriver, T27x150  
1129



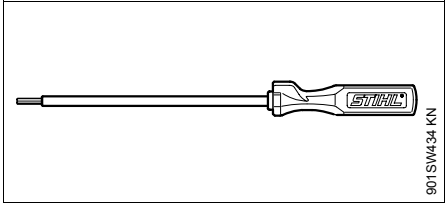
5910 890 2304 Screwdriver  
1121, 1122, 1124, 1127, 1128, 1133, 1135, 1138, 1139, 1140, 4116,  
4203



5910 890 2305 Screwdriver  
1121, 1129, 1139, 4139, 4144, 4241, 4244

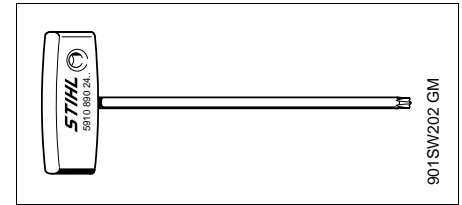


5910 890 2306 Screwdriver  
1141



**5910 890 2400 Screwdriver, T27x150**

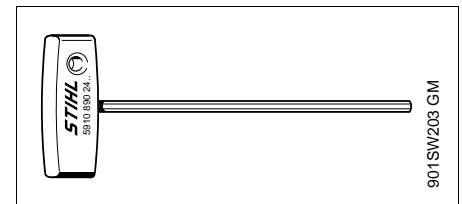
1119, 1121, 1122, 1123, 1124, 1125, 1127, 1128, 1129, 1130, 1132,  
1135, 1139, 1140, 1208, 4116, 4126, 4126, 4135, 4113, 4128, 4133,  
4134, 4134, 4128, 4135, 4137, 4138, 4139, 4140, 4144, 4170, 4201,  
4203, 4205, 4221, 4223, 4226, 4227, 4228, 4229, 4230, 4232, 4238,  
4241, 4264, 4311, 4313, 4314, 4600, 4601

**5910 890 2405 Screwdriver, Q-4x150**

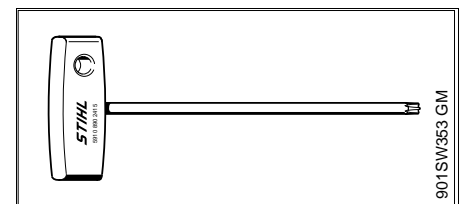
4116, 4205, 4211, 4213

**5910 890 2410 Screwdriver, Q-5x150**

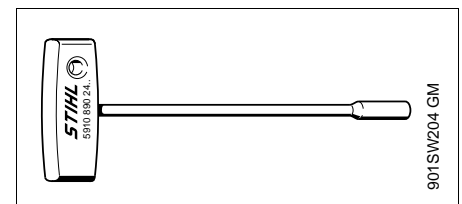
4205

**5910 890 2415 Screwdriver, T27x200**

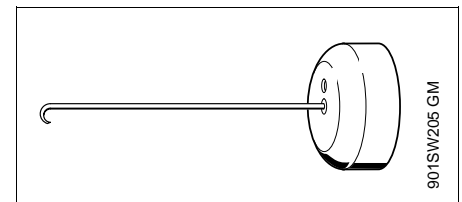
4244, 4282, 4705, 4710, 4706, 4707, 4722, 4724

**5910 890 2420 Screwdriver, Q-SW 8x200**

1129, 4140, 4144, 4228, 4229, 4232, 4244, 4245, 4314, 4601

**5910 890 2800 Assembly hook**

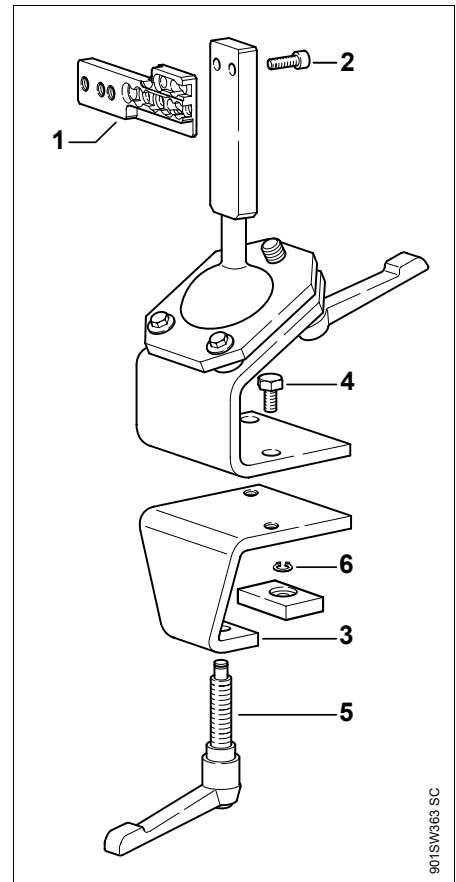
1118, 1119, 1121, 1124, 1125, 1127, 1128, 1129, 1135, 1137, 1138,  
1139, 1140, 4116, 4119, 4133, 4137, 4138, 4139, 4140, 4144, 4211,  
4213, 4221, 4224, 4226, 4228, 4232, 4238, 4249, 4314, 4601, 4703,  
4705, 4710, 4706, 4707, 4717, 4717, 4718, 4722, 4724, 4735



**5910 890 3101 Assembly stand**

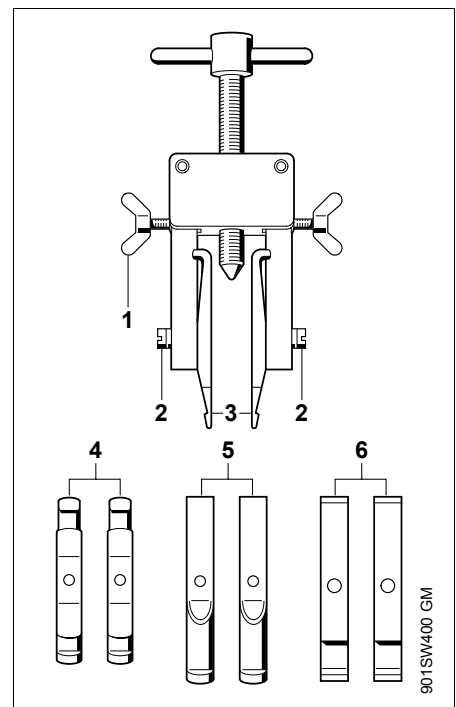
- |   |                                  |               |
|---|----------------------------------|---------------|
| 1 | Support (1)                      | 5910 850 1650 |
| 2 | Socket head screw<br>M10x25 (2)  | 9045 319 2390 |
| 3 | Clamping plate (1)               | 5910 850 2100 |
| 4 | Hexagon head screw<br>M12x20 (1) | 9008 319 2930 |
| 5 | Clamp lever (1)                  | 5910 890 1901 |
| 6 | Circlip 10x1 (1)                 | 9455 621 0850 |

1106, 1114, 1115, 1118, 1119, 1121, 1122, 1123, 1124, 1125, 1127,  
1128, 1129, 1130, 1132, 1133, 1135, 1137, 1138, 1139, 1140, 1206,  
1207, 4116, 4126, 4128, 4133, 4134, 4134, 4128, 4135, 4137, 4138,  
4140, 4170, 4180, 4183, 4203, 4205, 4211, 4213, 4221, 4223, 4224,  
4226, 4227, 4232, 4237, 4238, 4249, 4600, 4601, 4137, 4601

**5910 890 4400 Puller**

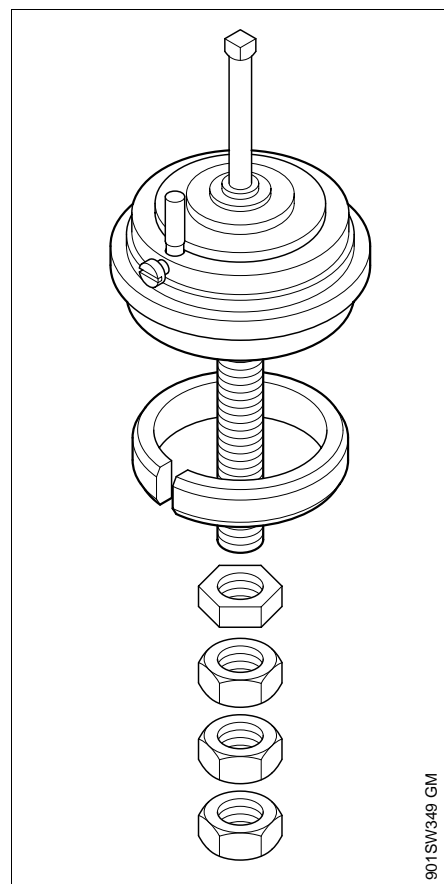
- |   |                                 |               |
|---|---------------------------------|---------------|
| 1 | Wing screw M5x16 (2)            | 9157 691 0980 |
| 2 | Pan head screw M5x16 (2)        | 9048 319 0980 |
| 3 | Jaw<br>(profile No. 2) (2)      | 0000 893 3700 |
| 4 | Jaw (profile No. 3.1 and 4) (2) | 0000 893 3706 |
| 5 | Jaw (profile No. 6) (2)         | 0000 893 3711 |
| 6 | Jaw (profile No. 7) (2)         | 0000 893 3703 |

1121, 1123, 1124, 1125, 1132, 1135, 1137, 1138, 1139, 1140, 4116,  
4126, 4135, 4113, 4128, 4134, 4134, 4128, 4137, 4138, 4139, 4140,  
4144, 4180, 4182, 4183, 4203, 4205, 4224, 4226, 4227, 4229, 4230,  
4232, 4237, 4238, 4241, 4249, 4264, 4280, 4282, 4600, 4601, 4137,  
4601



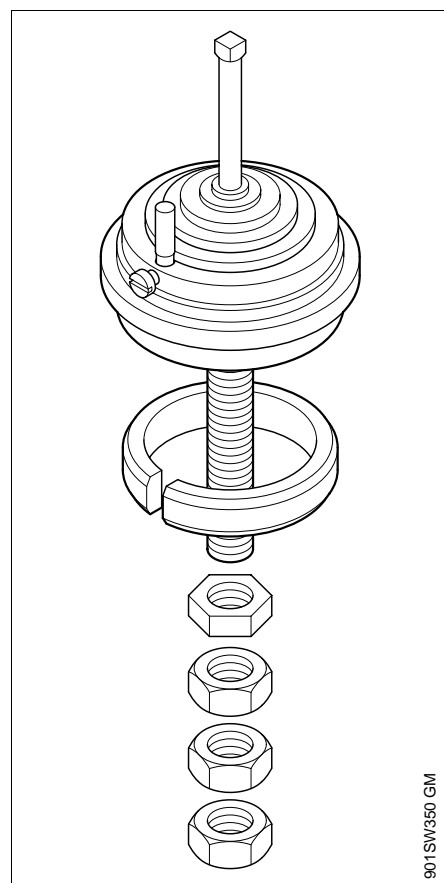
## 5910 890 4401 Puller

4119, 4128, 4134



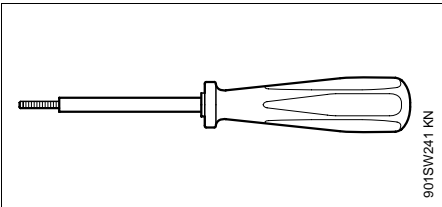
## 5910 890 4402 Puller

4116



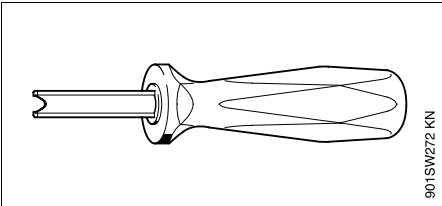
5910 890 4500 Puller

1122, 1124, 1127, 1133, 1135, 1138, 1139, 1140, 4116, 4140, 4144, 4203, 4205



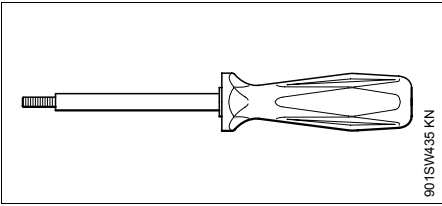
5910 890 4501 Puller

1137, 4139, 4144, 4180, 4182, 4183, 4237, 4238, 4241, 4244, 4249, 4280



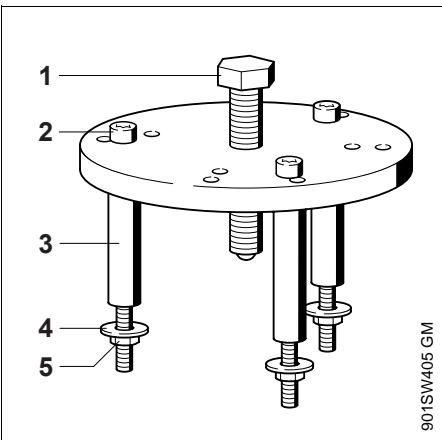
5910 890 4502 Puller

1141



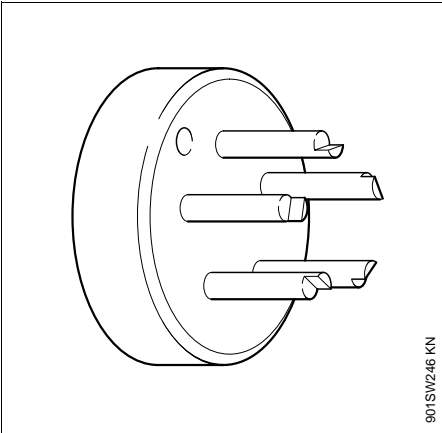
5910 890 4601 Removing tool

- |                                 |               |
|---------------------------------|---------------|
| 1 Hexagon head screw M10x55 (1) | 0000 951 0920 |
| 2 Socket head screw M5x75 (3)   | 9045 346 1150 |
| 3 Sleeve (3)                    | 1123 851 8300 |
| 4 Washer 5.3 (3)                | 9307 021 0120 |
| 5 Hexagon nut M5 (3)            | 9210 260 0700 |
- 4203, 4237



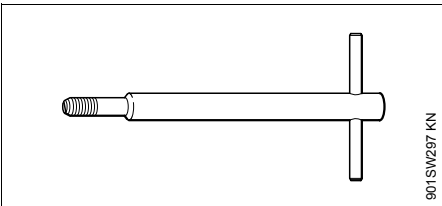
5910 890 4602 Removing tool

4180, 4182, 4183, 4249, 4280



5910 890 6500 Removing tool

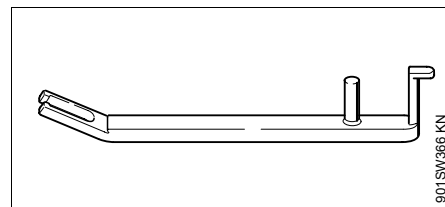
4743, 4744, 4765, 4766, 4767





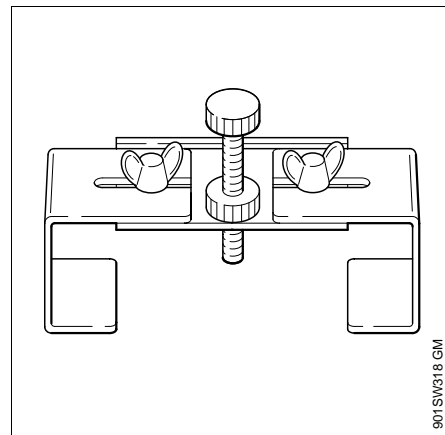
**5910 890 6501 Removing tool**

4747, 4748, 4751, 4752, 4759, 4770, 4771



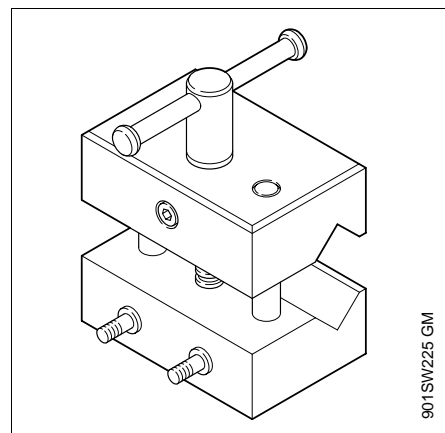
**5910 890 8500 Tensioning clip**

1118, 1119



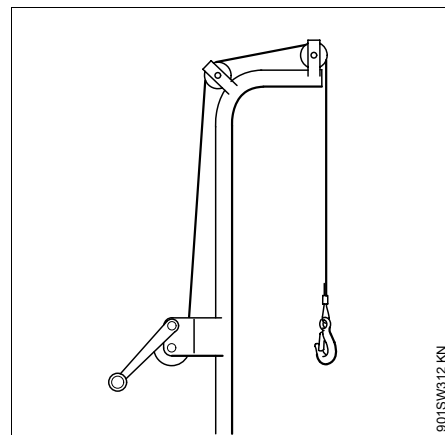
**5910 890 8800 Tensioner**

4116, 4128, 4134, 4134, 4128, 4140, 4170, 4180, 4232, 4601



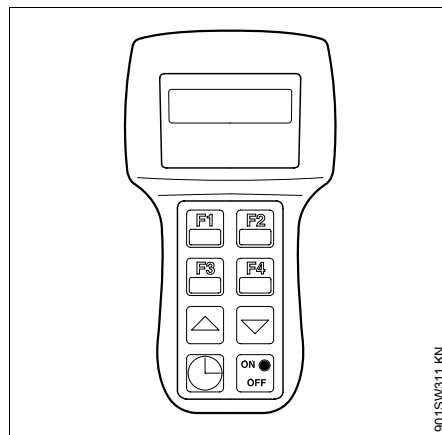
**5910 890 9500 Crane**

4751, 4752, 4759, 4770, 4771

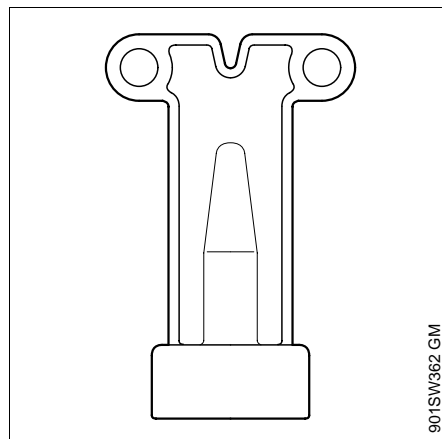


**5910 890 9600 Data reader**

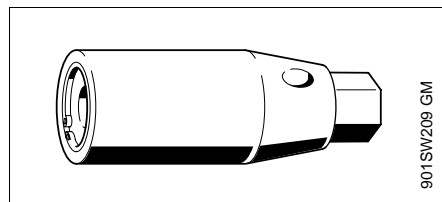
4751, 4752, 4759, 4770, 4771

**5910 893 0300 Tensioning wrench**

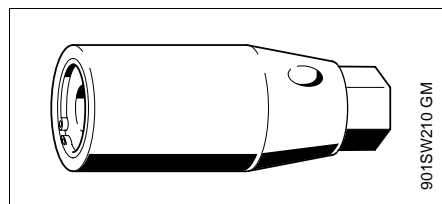
4140, 4232, 4601

**5910 893 0501 Stud puller, M8**

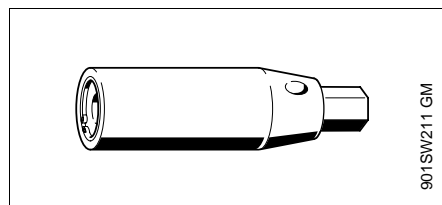
1118, 1119, 1121, 1122, 1123, 1125, 1127, 1128, 1129, 1130, 1132, 1133, 1135, 1137, 1138, 1139, 1140, 4238

**5910 893 0506 Stud puller, M10**

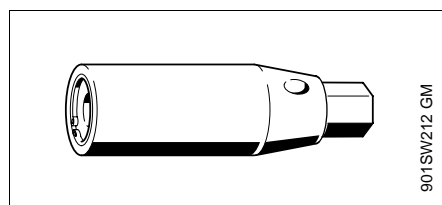
1106, 1109, 1106, 1124

**5910 893 0510 Stud puller, M5**

4205

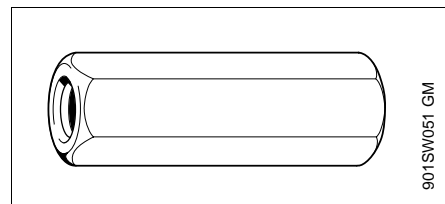
**5910 893 0515 Stud puller, M6**

1106, 1109, 1106, 4205

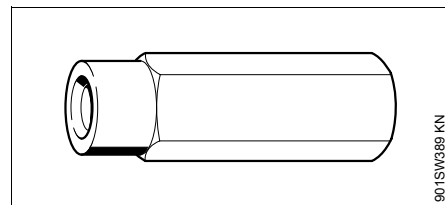


**5910 893 0800 Puller**

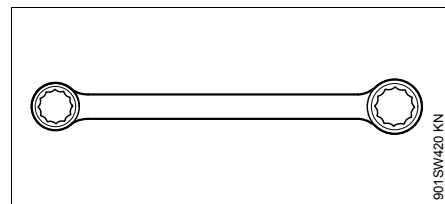
4139, 4144

**5910 893 0801 Puller**

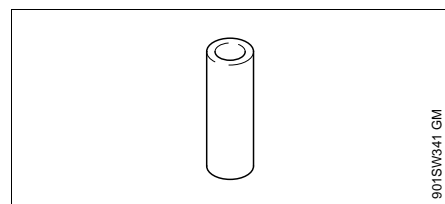
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**5910 893 1300 Wrench 10x11**

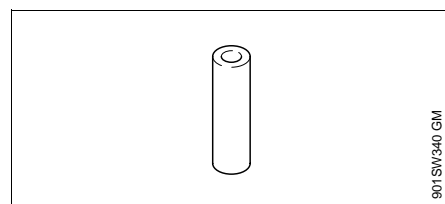
4264

**5910 893 1701 Sleeve**

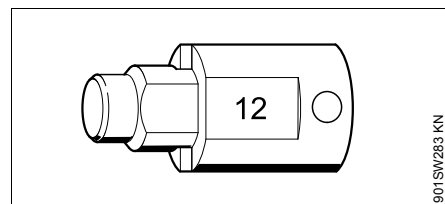
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**5910 893 1702 Sleeve**

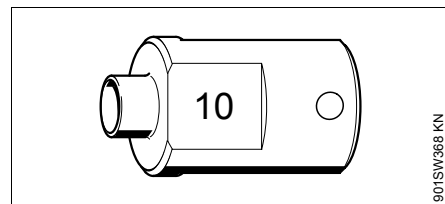
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**5910 893 1706 Sleeve**

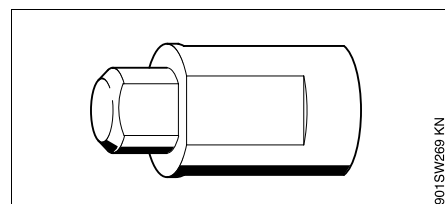
1138, 4224, 4244, 4282

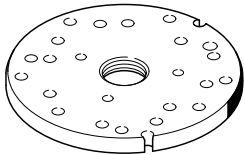
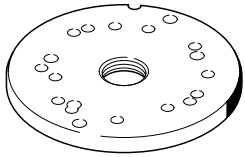
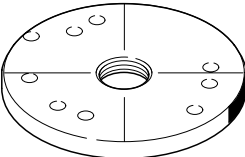

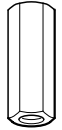


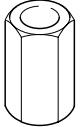
**5910 893 1707 Sleeve**

1139, 4238

**5910 893 1708 Sleeve**

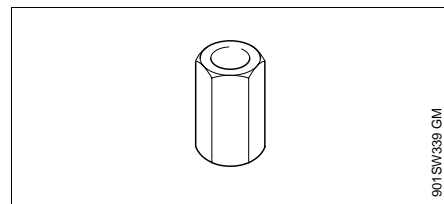
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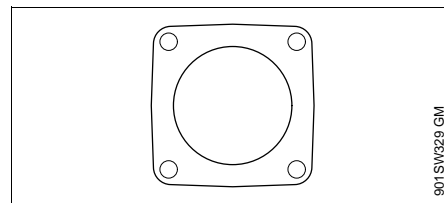
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<div>5910 893 2102 Drilled washer</div> <div>4128, 4134, 4137, 4223, 4224, 4226, 4227, 4600</div>	<div></div> <div>901SW337 GM</div>
<div>5910 893 2103 Drilled washer</div> <div>1140</div>	<div></div> <div>901SW409 KN</div>
<div>5910 893 2405 Screw sleeve</div> <div>4205</div>	<div></div> <div>901SW344 GM</div>
<div>5910 893 2406 Screw sleeve</div> <div>1124</div>	<div></div> <div>901SW345 GM</div>
<div>5910 893 2408 Screw sleeve</div> <div>1124</div>	<div></div> <div>901SW347 GM</div>
<div>5910 893 2409 Screw sleeve</div> <div>1121, 1124, 1128, 1135, 1140</div>	<div></div> <div>901SW348 GM</div>
<div>5910 893 2420 Screw sleeve</div> <div>1128, 1138, 1140, 4205, 4223</div>	<div></div> <div>901SW338 GM</div>

**5910 893 2421 Screw sleeve**

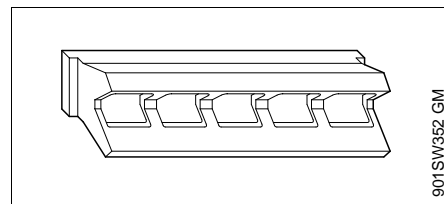
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**5910 893 2500 Flange**

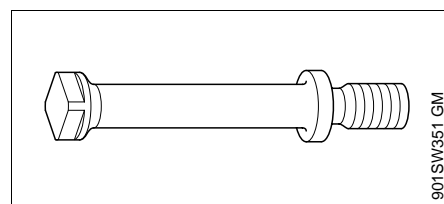
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**5910 893 2700 Clamping jaws**

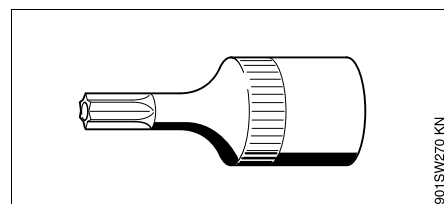
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**5910 893 2800 Assembly drift**

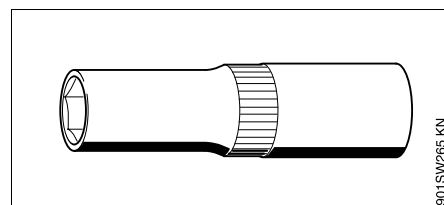
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**5910 893 2803 Socket, T20**

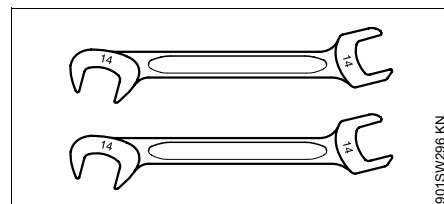
4224

**5910 893 2804 Socket, 13 mm, long reach**

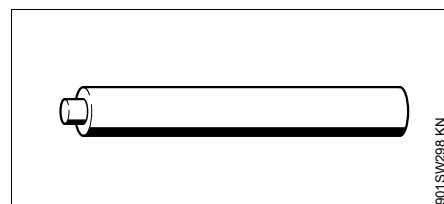
1121, 1138, 1139, 1140, 4224, 4238

**5910 893 3100 Open-end wrench**

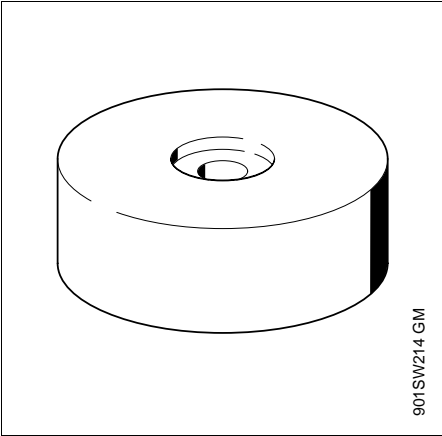
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**5910 893 4700 Assembly drift**

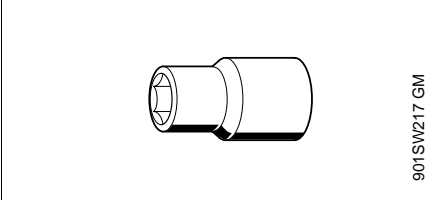
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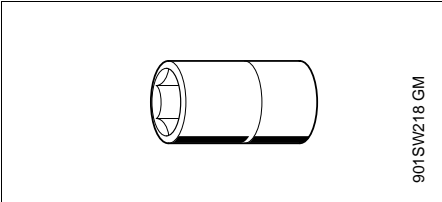
5910 893 5100 Installing plate  
1124



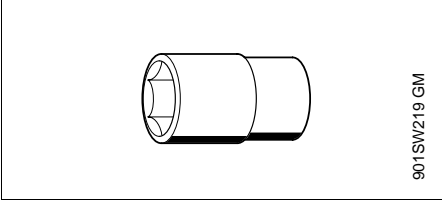
5910 893 5608 Socket, 13 mm  
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4133, 4134, 4134, 4128, 4135, 4137, 4138, 4180, 4182, 4183, 4201,  
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4264, 4280, 4282, 4311



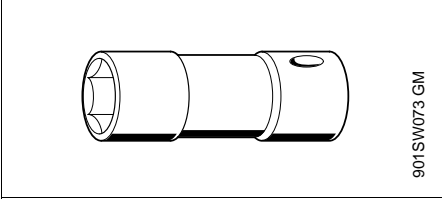
5910 893 5610 Socket, 17 mm  
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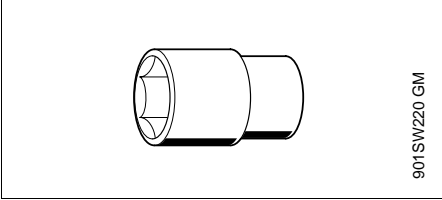
5910 893 5612 Socket, 19 mm  
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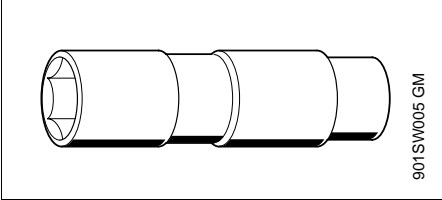
5910 893 5613 Socket, S19x12.5L  
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5910 893 5615 Socket, 21 mm  
1114, 1124

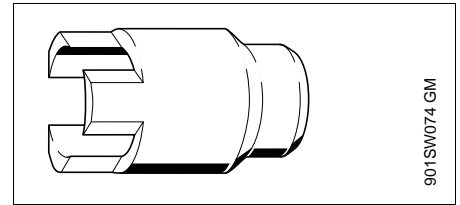


5910 893 5616 Socket, 21 mm, long reach  
4221

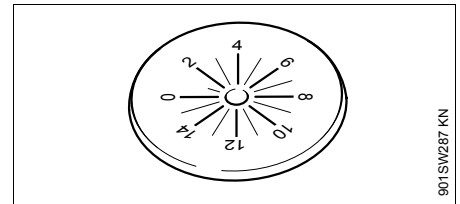


**5910 893 5625 Socket**

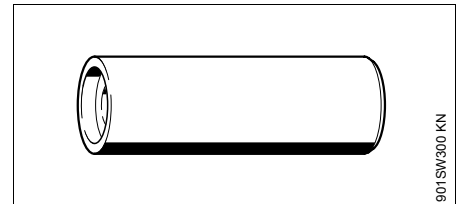
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**5910 893 6600 Setting disk**

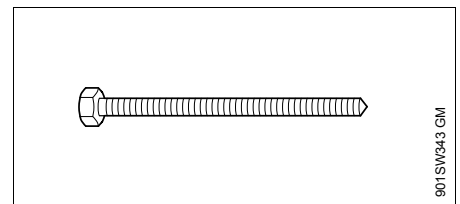
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**5910 893 7201 Press arbor**

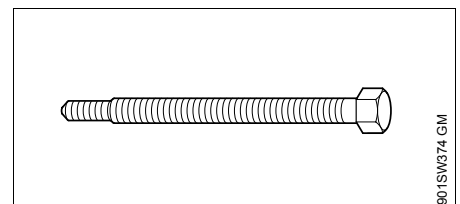
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**5910 893 8500 Spindle AS**

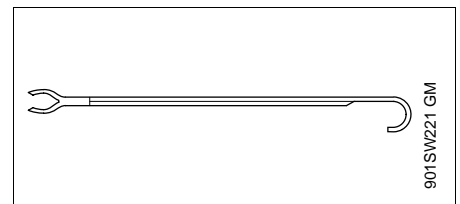
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**5910 893 8505 Spindle ZS**

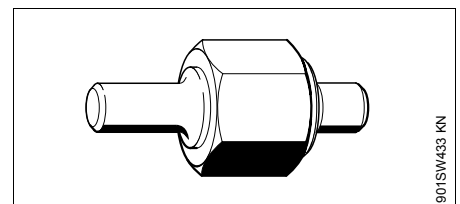
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**5910 893 8800 Assembly hook**

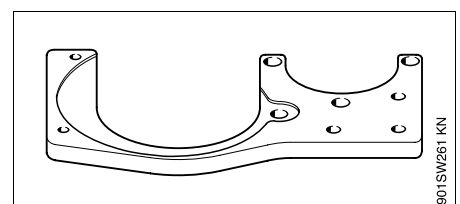
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**5910 893 9600 Collar screw**

1141

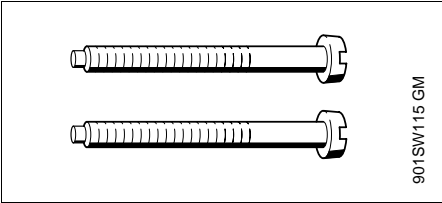
**5910 894 2102 Clamping plate**

4237



9043 319 8100 Pan head screw M5x50

1129, 4221







**englisch / English**

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