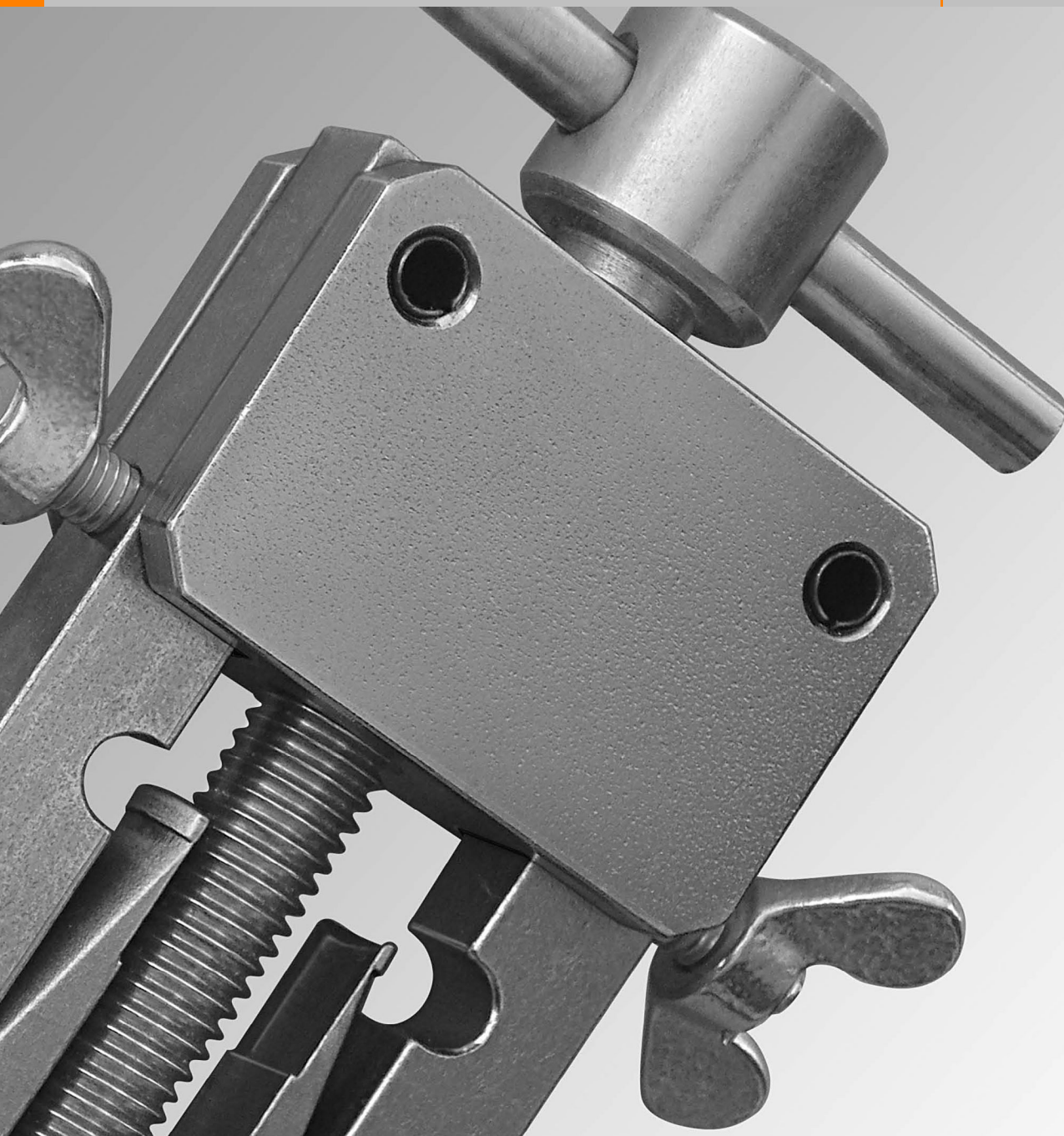


# Special Tools Manual

2011-02





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
1141	MS 271, MS 271 C, MS 291, MS 291 C
1143	MS 231, MS 231 C, MS 251, MS 251 C
1143	MS 241 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
1250	MSA 160 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

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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
4142	HT 73
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	FS 70 C, FS 70 RC
4144	KM 56 C, KM 56 RC
4146	FR 3900
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4147	FS 360 C, FS 410 C
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4180	FR 130 T
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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
4182	HT
4182	HT 100, HT 101
4182	HT 130, HT 131
4182	HT-KM
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4203	BR 340, BR 340 L, BR 380, BR 420, BR 420 C
4203	SR 340, SR 420
4205	TS 510, TS 760
4211	HS 60, HS 61
4213	HS 242, HS 246

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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
4229	BR 45 C
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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
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4241	SH 56, SH 56 C, SH 86, SH 86 C
4244	SR 430, SR 450
4245	MC 200
4246	SP 451, SP 481
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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
4602	KW 85
4606	BG-KM
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4705	RE 400 K, RE 401 K, RB 400 K
4706	RE 600 W, RE 630 W
4706	RE 640 W

4707	RE 830 W
4707	RE 840 W
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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
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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  
 1250 890 2200 Installing tool  
 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



**Chain Saws - Gasoline Chain Saws**

0812 542 2104 Socket, T27x125  
 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  
 1250 890 2200 Installing tool  
 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



**Chain Saws - Gasoline Chain Saws**

0000 890 1701 Testing tool kit  
 0000 890 2201 Installing tool  
 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

**Chain Saws - Gasoline Chain Saws**

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

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

1250 890 2200 Installing tool

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

**Chain Saws - Gasoline Chain Saws**

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  
 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

**Chain Saws - Gasoline Chain Saws**

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

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.

**Chain Saws - Gasoline Chain Saws**

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  
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

**Chain Saws - Gasoline Chain Saws**

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  
 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



**Chain Saws - Gasoline Chain Saws**

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  
 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

**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 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

**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

**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

**Chain Saws - Gasoline Chain Saws**

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

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

**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 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

**Chain Saws - Gasoline Chain Saws**

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 - 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)

**Chain Saws - Gasoline Chain Saws**

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  
 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 2405 Press sleeve - Installing oil seals  
 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

**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 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 2405 Press sleeve - Installing oil seals  
 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  
 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



**Chain Saws - Gasoline Chain Saws**

- 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 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

**Chain Saws - Gasoline Chain Saws**

- 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
- 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)

**Chain Saws - Gasoline Chain Saws**

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)  
 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  
 1250 890 2200 Installing tool  
 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

**Chain Saws - Gasoline Chain Saws**

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  
 1130 893 1400 Puller  
 1130 893 1500 Installer  
 1139 893 2500 Flange - Testing crankcase and carburetor for leaks  
 1250 890 2200 Installing tool  
 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"

**Chain Saws - Gasoline Chain Saws**

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  
 1250 890 2200 Installing tool  
 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

**Chain Saws - Gasoline Chain Saws**

1123 893 2400 Press sleeve - Installing oil seal(s)  
 1123 893 7500 Support  
 1130 893 1400 Puller  
 1130 893 1500 Installer  
 1139 893 2500 Flange - Testing crankcase and carburetor for leaks  
 1250 890 2200 Installing tool  
 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 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

**Chain Saws - Gasoline Chain Saws**

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 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





**Chain Saws - Gasoline Chain Saws****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  
 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

**Chain Saws - Gasoline Chain Saws**

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

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"

**Chain Saws - Gasoline Chain Saws**

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  
 1128 850 4200 Flange  
 1250 890 2200 Installing tool  
 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

**Chain Saws - Gasoline Chain Saws**

1123 890 2202 Installing tool - Removing oil pump  
 1123 893 2400 Press sleeve - Installing oil seal(s)  
 1123 893 7500 Support  
 1130 893 1400 Puller  
 1130 893 1500 Installer  
 1139 893 2500 Flange - Testing crankcase and carburetor for leaks  
 1250 890 2200 Installing tool  
 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 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

**Chain Saws - Gasoline Chain Saws**

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  
 1250 890 2200 Installing tool  
 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 231, MS 231 C, MS 251, MS 251 C (1143)**

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 - Installing 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  
 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 - Lowering tank housing, maintaining clearance  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1110 893 4700 Assembly drift - Removing/installing piston pin  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1116 893 4800 Installing tool - Installing rewind spring  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 850 4200 Flange - Blocking the crankshaft  
 1118 893 4602 Installing sleeve - Protecting oil seal (clutch side)  
 1122 893 2405 Press sleeve - Installing oil seal  
 1129 890 3401 Combination wrench - Spark plug  
 1141 893 4600 Installing sleeve - Protecting oil seal

**Chain Saws - Gasoline Chain Saws**

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 855 4201 Flange - Sealing cylinder exhaust port  
 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 2306 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 4000 Punchdown tool - Fitting electrical wires in guides  
 5910 890 4400 Puller - Removing oil seal(s)  
 5910 890 4502 Puller - Removing limiter cap  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 0801 Puller - Removing flywheel  
 5910 893 1707 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

**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

**Chain Saws - Gasoline Chain Saws**

- 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 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 241 C (1143)**

- 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 - Installing rope guide bushing
- 0000 893 2600 Clamping strap - Clamping piston rings
- 0000 893 3711 Jaw (profile No. 6) - 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 4800 Wooden assembly block - Lowering tank housing, maintaining clearance
- 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks
- 1110 893 4700 Assembly drift - Removing/installing piston pin
- 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1116 893 4800 Installing tool - Installing rewind spring
- 1117 890 0900 Assembly tube - Attaching brake spring
- 1118 850 4200 Flange - Blocking the crankshaft
- 1118 893 2401 Press sleeve - Installing oil seal (clutch side)
- 1122 025 2200 Plug - Testing decompression valve for leaks
- 1129 890 3401 Combination wrench - Spark plug
- 1141 893 4600 Installing sleeve - Protecting oil seal
- 1143 893 2400 Press sleeve - Installing oil seal (ignition side)
- 5910 007 2205 Service tool AS - Removing/installing crankshaft

**Chain Saws - Gasoline Chain Saws**

5910 840 0903 Test lead M-Tronic - Diagnosing and testing M-Tronic  
 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 855 4201 Flange - Sealing cylinder exhaust port  
 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 chainsaw for repairs  
 5910 890 4000 Punchdown tool - Fitting electrical wires in guides  
 5910 890 4400 Puller - Removing oil seal(s)  
 5910 890 4504 Puller - Removing flywheel  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 1707 Sleeve - Installing hookless snap rings in piston  
 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 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  
 1250 890 2200 Installing tool  
 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



**Chain Saws - Gasoline Chain Saws**

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 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

**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 2205 Service tool AS - Removing/installing crankshaft  
 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 - 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)**

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 - Installing 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  
 1110 141 8600 Hose 135 mm / 5 5/16" - Testing carburetor for leaks  
 1110 893 4700 Assembly drift  
 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 1116 893 4800 Installing tool - Installing rewind spring  
 1117 890 0900 Assembly tube - Attaching brake spring  
 1118 893 2401 Press sleeve - Installing oil seal (clutch side)  
 1118 893 7200 Press arbor - Installing ball bearings  
 1119 850 4201 Test flange - Leakage test  
 1122 025 2200 Plug - Testing decompression valve for leaks  
 1129 890 3401 Combination wrench - Spark plug  
 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 007 2205 Service tool AS  
 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

**Chain Saws - Gasoline Chain Saws**

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 2306 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 seal(s)  
 5910 890 4502 Puller - Removing limiter cap  
 5910 890 4504 Puller - Removing flywheel  
 5910 893 0501 Stud puller, M8 - Removing bar mounting studs  
 5910 893 1701 Sleeve - Spacer sleeves for test flange  
 5910 893 2103 Drilled washer  
 5910 893 2409 Screw sleeve  
 5910 893 2420 Screw sleeve  
 5910 893 2804 Socket, 13 mm, long reach  
 5910 893 6600 Setting disk - Add-on for screwdriver  
     (adjuncting carburetor)  
 5910 893 8800 Assembly hook - Removing pickup body  
 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  
 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

**Chain Saws - Gasoline Chain Saws**

- 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 271, MS 271 C, MS 291, MS 291 C (1141)**

- 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 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" - Testing carburetor for leaks
- 1110 893 4700 Assembly drift - Removing/installing piston pin
- 1111 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 1116 893 4800 Installing tool - Installing rewind spring
- 1117 890 0900 Assembly tube - Attaching brake spring
- 1119 850 4201 Test flange - Leakage test
- 1129 890 3401 Combination wrench - Spark plug
- 1141 893 2401 Press sleeve - Installing oil seal (ignition side)
- 1141 893 4600 Installing sleeve - Protecting oil seal
- 5910 850 1650 Support - Clamping power tool to assembly stand
- 5910 850 4520 Ignition system tester, ZAT 3 - Testing ignition system
- 5910 855 4201 Flange - Sealing cylinder exhaust port
- 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 2306 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 seal(s)
- 5910 890 4502 Puller - Removing limiter cap
- 5910 890 4504 Puller - Removing flywheel
- 5910 893 0501 Stud puller, M8 - Removing bar mounting studs
- 5910 893 1701 Sleeve - Spacer sleeves for test flange
- 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)

**Chain Saws - Gasoline Chain Saws**

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  
 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

**Chain Saws - Gasoline Chain Saws**

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 - Spark plug  
 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 890 4504 Puller - Removing flywheel  
 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  
 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

**Chain Saws - Gasoline Chain Saws**

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  
 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)

**Chain Saws - Gasoline Chain Saws**

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 890 4504 Puller - Removing flywheel  
 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

**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



**Chain Saws - Gasoline Chain Saws**

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  
 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

**Chain Saws - Gasoline Chain Saws**

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  
 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)

**Chain Saws - Gasoline Chain Saws**

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 890 4504 Puller - Removing flywheel  
 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

**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

**Chain Saws - Gasoline Chain Saws**

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 - Spark plug  
 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 890 4504 Puller - Removing flywheel  
 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  
 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

**Chain Saws - Gasoline Chain Saws**

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

**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)

**Chain Saws - Gasoline Chain Saws**

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  
 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)

**Chain Saws - Gasoline Chain Saws**

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

**Chain Saws - Gasoline Chain Saws**

- 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 - Diagnosing and testing 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 890 4504 Puller - Removing flywheel
- 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
- 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)



**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 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  
 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

**Chain Saws - Gasoline Chain Saws**

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 2405 Press sleeve - Installing oil seals  
 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  
 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  
 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

**Chain Saws - Gasoline Chain Saws**

- 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 2405 Press sleeve - Installing oil seals
- 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
- 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

**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

**Chain Saws - Gasoline Chain Saws**

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 2405 Press sleeve - Installing oil seals  
 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  
 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

**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

**Chain Saws - Gasoline Chain Saws**

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

## Chain Saws - Gasoline Chain Saws

5910 893 8800 Assembly hook - Removing pickup body

### MS 880 (1124)

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

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

**Chain Saws - Gasoline Chain Saws**

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  
 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

**Chain Saws - Electric 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 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
- 5910 893 0501 Stud puller, M8

**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
- 5910 893 0501 Stud puller, M8

**Chain Saws - Cordless chain saws****MSA 160 C (1250)**

- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1123 890 2202 Installing tool - Removing oil pump
- 1250 890 2200 Installing tool - Removing oil pump
- 1250 893 1400 Puller
- 1250 893 1500 Installer
- 4850 840 0100 Battery analyzer ADG 1 Europe
- 4850 840 0101 Battery analyzer ADG 1 GB
- 4850 840 0102 Battery analyzer ADG 1 USA
- 4850 840 0103 Battery analyzer ADG 1 AUS, NZ



**Chain Saws - Cordless chain saws**

4850 840 0104 Battery analyzer ADG 1 CDN  
 4850 840 0200 Diagnostic unit ADG 2 Europe  
 4850 840 0201 Diagnostic unit ADG 2 GB  
 4850 840 0202 Diagnostic unit ADG 2 USA  
 4850 840 0203 Diagnostic unit ADG 2 AUS, NZ  
 4850 840 0204 Diagnostic unit ADG 2 CDN  
 4850 840 0205 Diagnostic unit ADG 2 Europe  
 4850 840 0206 Diagnostic unit ADG 2 J  
 4850 840 0207 Diagnostic unit ADG 2 RUS  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - For all IS screws  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws  
 5910 893 7400 Lever

**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  
 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

**Chain Saws - Pole Pruners**

- 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 0501 Stud puller, M8
- 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
- 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

**Chain Saws - Pole Pruners**

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 0501 Stud puller, M8  
 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 73 (4142)**

5910 893 0501 Stud puller, M8

**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  
 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  
 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 0501 Stud puller, M8  
 5910 893 1708 Sleeve

**Chain Saws - Pole Pruners**

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  
 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 0501 Stud puller, M8  
 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)

**Chain Saws - Pole Pruners**

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 - Clamp drive tube of power tool to assembly stand  
5910 893 0501 Stud puller, M8  
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  
5910 893 0501 Stud puller, M8

**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  
1145 893 5900 Locking strip - Blocking the crankshaft  
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  
1145 893 5900 Locking strip - Blocking the crankshaft  
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  
 5910 890 8800 Tensioner - Clamp drive tube of power tool to 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

**Outdoor Power Tools - Brushcutters**

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

1129 893 4600 Installing sleeve - Protecting oil seal (starter side)

1145 893 5900 Locking strip

4112 893 2400 Installing sleeve

4112 893 2401 Press sleeve

4130 890 3600 Wrench - Releasing and tightening clutch

4221 893 5900 Locking strip

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 - Clamp drive tube of power tool to assembly stand

5910 893 0300 Tensioning wrench - Tension the rewind spring

5910 893 8800 Assembly hook - Removing pickup body

**Outdoor Power Tools - Brushcutters****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
- 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

**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)



**Outdoor Power Tools - Brushcutters**

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

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 - Clamp drive tube of power tool to 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

**Outdoor Power Tools - Brushcutters**

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  
 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

**FS 70 C, FS 70 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  
 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 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 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

**Outdoor Power Tools - Brushcutters**

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  
 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

**Outdoor Power Tools - Brushcutters**

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

**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  
 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

**Outdoor Power Tools - Brushcutters**

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  
 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

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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  
 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  
 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  
 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

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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 2204 Installing tool - Installing and flaring rope guide bushing  
 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 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 - Leakage test  
 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



**Outdoor Power Tools - Brushcutters**

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 - Clamp drive tube of power tool to 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 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  
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

**Outdoor Power Tools - Brushcutters**

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)  
 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

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- 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
- 5910 893 8800 Assembly hook - Removing pickup body

**FS 240 C, FS 240 RC, FS 260 C, FS 260 RC (4147)**

- 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 - Installing rope guide bushing
- 0000 890 6400 Setting gauge - Setting air gap between ignition module and flywheel
- 0000 893 2600 Clamping strap - Clamping piston rings
- 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 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 - Installing ball bearings
- 1129 890 3401 Combination wrench - Spark plug
- 1141 893 4600 Installing sleeve - Protecting oil seal (ignition side)
- 4119 893 4600 Installing sleeve - Protecting oil seal (starter side)
- 4119 893 7200 Press arbor - Removing/installing ball bearings
- 4126 893 4900 Installing tool - Removing rubber element from AV sleeve
- 4147 893 2400 Press sleeve - Installing oil seal (starter side)
- 4238 893 2400 Press sleeve - Installing oil seal (ignition side)
- 5910 850 4201 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 2211 Installing tool, 11 - Installing hookless snap rings in piston
- 5910 890 2307 Screwdriver
- 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 4407 Puller - Remove gearbox drive pinion
- 5910 890 4408 Puller - Remove gearbox drive pinion
- 5910 890 4503 Puller - Removing flywheel and crankcase at starter side
- 5910 890 8800 Tensioner - Clamp drive tube of power tool to assembly stand
- 5910 893 1709 Sleeve - Install hookless snap ring
- 5910 893 7005 Ring - Fitting clutch housing to protect guide sleeves
- 5910 893 8800 Assembly hook - Removing pickup body

## Outdoor Power Tools - Brushcutters

### FS 3900 (4146)

- 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 - Leakage test
- 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 - Clamp drive tube of power tool to 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

**Outdoor Power Tools - Cordless trimmers****FSA 65, FSA 85 (4852)**

- 0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 4850 840 0100 Battery analyzer ADG 1 Europe
- 4850 840 0101 Battery analyzer ADG 1 GB
- 4850 840 0102 Battery analyzer ADG 1 USA
- 4850 840 0103 Battery analyzer ADG 1 AUS, NZ
- 4850 840 0104 Battery analyzer ADG 1 CDN
- 4850 840 0200 Diagnostic unit ADG 2 Europe
- 4850 840 0201 Diagnostic unit ADG 2 GB
- 4850 840 0202 Diagnostic unit ADG 2 USA
- 4850 840 0203 Diagnostic unit ADG 2 AUS, NZ
- 4850 840 0204 Diagnostic unit ADG 2 CDN
- 4850 840 0205 Diagnostic unit ADG 2 Europe
- 4850 840 0206 Diagnostic unit ADG 2 J
- 4850 840 0207 Diagnostic unit ADG 2 RUS
- 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 0.5 to 18 Nm
- 5910 890 2400 Screwdriver, T27x150 - For all IS screws

**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 - Leakage test
- 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

### Outdoor Power Tools - Clearing Saws

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 4401 Puller - Disassembling gearbox  
 5910 890 8800 Tensioner - Clamp drive tube of power tool to 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 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  
 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 2204 Installing tool - Installing and flaring rope guide bushing  
 5910 890 2209 Installing tool, 9 - Installing hookless snap rings in piston  
 5910 890 2301 Screwdriver, T20 - Spline socket head screws

**Outdoor Power Tools - Clearing Saws**

- 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)
- 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 360 C, FS 410 C (4147)**

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

### Outdoor Power Tools - Clearing Saws

0000 855 9200 Nipple - Testing carburetor for leaks  
 0000 890 2201 Installing tool - Installing rope guide bushing  
 0000 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 0000 893 2600 Clamping strap - Clamping piston rings  
 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 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 - Installing ball bearings  
 1129 890 3401 Combination wrench - Spark plug  
 1141 893 4600 Installing sleeve - Protecting oil seal (ignition side)  
 4119 893 4600 Installing sleeve - Protecting oil seal (starter side)  
 4119 893 7200 Press arbor - Removing/installing ball bearings  
 4126 893 4900 Installing tool - Removing rubber element from AV sleeve  
 4147 893 2400 Press sleeve - Installing oil seal (starter side)  
 4238 893 2400 Press sleeve - Installing oil seal (ignition side)  
 5910 850 4201 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 2211 Installing tool, 11 - Installing hookless snap rings in piston  
 5910 890 2307 Screwdriver  
 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 4407 Puller - Remove gearbox drive pinion  
 5910 890 4408 Puller - Remove gearbox drive pinion  
 5910 890 4503 Puller - Removing flywheel and crankcase at starter side  
 5910 890 8800 Tensioner - Clamp drive tube of power tool to assembly stand  
 5910 893 1709 Sleeve - Install hookless snap ring  
 5910 893 7005 Ring - Fitting clutch housing to protect guide sleeves  
 5910 893 8800 Assembly hook - Removing pickup body

### 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



**Outdoor Power Tools - Clearing Saws**

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  
 1145 893 5900 Locking strip - Blocking the crankshaft  
 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  
 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 - Clamp drive tube of power tool to 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 460 C, FS 460 RC (4147)**

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 - Installing rope guide bushing  
 0000 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 0000 893 2600 Clamping strap - Clamping piston rings  
 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 4800 Wooden assembly block - Fitting piston

**Outdoor Power Tools - Clearing Saws**

1110 141 8600 Hose 135 mm / 5 5/16"  
 1110 893 4700 Assembly drift - Removing/installing piston pin  
 1118 893 7200 Press arbor - Installing ball bearings  
 1129 890 3401 Combination wrench - Spark plug  
 1141 893 4600 Installing sleeve - Protecting oil seal (ignition side)  
 4119 893 4600 Installing sleeve - Protecting oil seal (starter side)  
 4119 893 7200 Press arbor - Removing/installing ball bearings  
 4126 893 4900 Installing tool - Removing rubber element from AV sleeve  
 4147 893 2400 Press sleeve - Installing oil seal (starter side)  
 4238 893 2400 Press sleeve - Installing oil seal (ignition side)  
 5910 840 0903 Test lead M-Tronic - Diagnosing and testing M-Tronic  
 5910 850 4201 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 2211 Installing tool, 11 - Installing hookless snap rings in piston  
 5910 890 2307 Screwdriver  
 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 4407 Puller - Remove gearbox drive pinion  
 5910 890 4408 Puller - Remove gearbox drive pinion  
 5910 890 4503 Puller - Removing flywheel and crankcase at starter side  
 5910 890 8800 Tensioner - Clamp drive tube of power tool to assembly stand  
 5910 893 1709 Sleeve - Install hookless snap ring  
 5910 893 7005 Ring - Fitting clutch housing to protect guide sleeves  
 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

**Outdoor Power Tools - Clearing Saws**

1127 890 6400 Setting gauge - Setting air gap between ignition module and flywheel  
 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 - Clamp drive tube of power tool to 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"

**Outdoor Power Tools - Backpack Brushcutters**

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  
 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

**Outdoor Power Tools - Backpack Brushcutters**

1108 893 4800 Wooden assembly block - Fitting piston  
 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)  
 1145 893 5900 Locking strip - Blocking the crankshaft  
 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

**Outdoor Power Tools - Backpack Brushcutters**

4180 893 4400 Extension - Removing AV elements, clutch drum  
 4180 893 6400 Setting gauge - Setting valve clearance  
 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 - Leakage test  
 1145 893 5900 Locking strip - Blocking the crankshaft  
 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

**Outdoor Power Tools - Backpack Brushcutters**

4221 893 5900 Locking strip - Blocking the crankshaft  
 5910 007 2200 Service tool ZS - Removing crankshaft  
 5910 840 0902 Control unit test cable - Troubleshooting on electric starter  
 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 - Clamp drive tube of power tool to 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

**FR 3900 (4146)**

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 - Leakage test  
 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

**Outdoor Power Tools - Backpack Brushcutters**

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 - Clamp drive tube of power tool to 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

**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  
 1145 893 5900 Locking strip - Blocking the crankshaft  
 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



**Outdoor Power Tools - Edgers**

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  
 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  
 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
- 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
- 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

**Outdoor Power Tools - Edgers**

- 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
- 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm
- 5910 890 2100 Clamping plate - Clamping powerheads to assembly stand

**Outdoor Power Tools - Edgers**

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  
 5910 890 0312 Torque wrench with optical/acousticsignal - Screwed joints 6 to 80 Nm  
 5910 890 2100 Clamping plate - Clamping powerheads to assembly stand

**Outdoor Power Tools - Edgers**

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  
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  
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

**Outdoor Power Tools - Edgers**

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  
 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  
 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

**Outdoor Power Tools - Hedge Trimmers**

- 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)
- 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

**Outdoor Power Tools - Hedge Trimmers**

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  
 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



**Outdoor Power Tools - Hedge Trimmers**

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)  
 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  
 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

**Outdoor Power Tools - Hedge Trimmers**

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)**

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  
 4850 840 0100 Battery analyzer ADG 1 Europe  
 4850 840 0101 Battery analyzer ADG 1 GB  
 4850 840 0102 Battery analyzer ADG 1 USA

**Outdoor Power Tools - Cordless hedge trimmers**

4850 840 0103 Battery analyzer ADG 1 AUS, NZ  
 4850 840 0104 Battery analyzer ADG 1 CDN  
 5910 007 1500 Set of testing tools - Testing electrical components  
 5910 840 0900 Test lead switch lever - Testing switch (switch lever)  
 5910 840 0901 Test lead trigger switch - Testing switch (trigger switch)  
 5910 843 0200 Laboratory resistor  
 5910 890 0302 Torque wrench with optical/acousticsignal  
 5910 890 2301 Screwdriver, T20 - For all IS screws  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws

**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  
 1145 893 5900 Locking strip - Blocking the crankshaft  
 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  
 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 - Hedge Cutters**

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  
 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  
 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 - Hedge Cutters****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  
 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  
 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)

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

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  
 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  
 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

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

1128 850 4200 Flange  
 1145 893 5900 Locking strip - Blocking the crankshaft  
 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  
 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

**Outdoor Power Tools - Pole saws**

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  
 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 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



**Outdoor Power Tools - Mistblowers**

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)

**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 4700 Assembly drift - Removing/installing piston pin  
 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)  
 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)

**Outdoor Power Tools - Mistblowers**

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)

5910 893 0501 Stud puller, M8

**Outdoor Power Tools - KombiTools****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
- 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)

**Outdoor Power Tools - KombiEngines**

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  
 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  
 5910 850 4200 Flange - Leakage test

**Outdoor Power Tools - KombiEngines**

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

**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

**Outdoor Power Tools - KombiEngines**

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

**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  
 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 2204 Installing tool - Installing and flaring rope guide bushing  
 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

**Outdoor Power Tools - KombiEngines**

- 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
- 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
- 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

### Outdoor Power Tools - KombiEngines

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  
 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)



**Outdoor Power Tools - KombiAttachmentEngines**

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

**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

**Outdoor Power Tools - KombiAttachmentEngines**

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  
 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
- 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)
- 5910 893 0501 Stud puller, M8

**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

**Outdoor Power Tools - Power Tool Attachments**

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

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

**Construction Equipment - Cut-off machines**

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)  
 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

**Construction Equipment - Cut-off machines**

- 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
- 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 400 8500 Power supply
- 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
- 4238 894 1100 Spacer - Removing flywheel
- 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 890 4504 Puller - Removing flywheel
- 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

**Construction Equipment - Cut-off machines**

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  
 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  
 1145 893 5900 Locking strip - Blocking the crankshaft  
 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)

**Construction Equipment - Cut-off machines**

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  
 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  
 1145 893 5900 Locking strip - Blocking the crankshaft  
 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



**Construction Equipment - Cut-off machines****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  
 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 855 4201 Flange - Sealing cylinder exhaust port  
 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

**Construction Equipment - Cut-off machines**

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  
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 855 4201 Flange - Sealing cylinder exhaust port  
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  
 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

**Construction Equipment - Augers/Drills**

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  
 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
- 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
- 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 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

**Cleaning Systems - Blowers**

- 1130 893 4700 Assembly drift - Removing/installing piston pin
- 4119 893 4600 Installing sleeve - Protecting oil seal
- 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 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 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
- 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 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 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

**Cleaning Systems - Blowers**

- 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
- 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

**Cleaning Systems - Blowers**

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  
 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



**Cleaning Systems - Blowers**

- 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
- 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 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 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
- 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

**Cleaning Systems - Blowers**

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

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

**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

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

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)

**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

4282 890 2700 Locking screw - Blocking the crankshaft

5910 850 1008 Tachometer EDT 7

**Cleaning Systems - Blowers**

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  
 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 2307 Screwdriver - Adjusting carburetor  
 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  
 5910 893 8800 Assembly hook - Removing pickup body

**Cleaning Systems - Cordless blowers****BGA 85 (4853)**

0812 542 2104 Socket, T27x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench  
 4850 840 0100 Battery analyzer ADG 1 Europe  
 4850 840 0101 Battery analyzer ADG 1 GB  
 4850 840 0102 Battery analyzer ADG 1 USA  
 4850 840 0103 Battery analyzer ADG 1 AUS, NZ  
 4850 840 0104 Battery analyzer ADG 1 CDN  
 4850 840 0200 Diagnostic unit ADG 2 Europe  
 4850 840 0201 Diagnostic unit ADG 2 GB  
 4850 840 0202 Diagnostic unit ADG 2 USA  
 4850 840 0203 Diagnostic unit ADG 2 AUS, NZ  
 4850 840 0204 Diagnostic unit ADG 2 CDN  
 4850 840 0205 Diagnostic unit ADG 2 Europe  
 4850 840 0206 Diagnostic unit ADG 2 J  
 4850 840 0207 Diagnostic unit ADG 2 RUS  
 5910 890 0302 Torque wrench with optical/acousticsignal - Screwed joints 0.5 to 18 Nm  
 5910 890 0312 Torque wrench with optical/acousticsignal - For all IS screws  
 5910 890 2400 Screwdriver, T27x150 - For all IS screws

**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

**Cleaning Systems - Vacuum Shredders**

- 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
- 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
- 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
- 5910 850 4200 Flange - Leakage test

### Cleaning Systems - Vacuum Shredders

- 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 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 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 98 (4775)

- 0812 542 2041 Socket, T20x125 - Removing and installing spline socket head screws with electric or pneumatic screwdrivers; tighten down screws with torque wrench
- 1108 893 4700 Assembly drift - Installing control piston sleeve and valve heads
- 5910 850 3204 Pressure gauge
- 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 2301 Screwdriver, T20 - Spline socket head screws
- 5910 890 2308 Screwdriver, T10 - Spline socket head screws
- 5910 890 6504 Removing tool M4 - Removing control piston sleeve in pump housing
- 5910 890 6506 Removing tool M6 - Installing valve heads

#### 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

**Cleaning Systems - High-Pressure Cleaners**

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 850 3204 Pressure gauge  
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 850 3204 Pressure gauge  
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 2308 Screwdriver, T10

**RE 108 (4765)**

4703 890 4500 Puller  
5910 850 3204 Pressure gauge  
5910 890 0301 Torque wrench  
5910 890 0302 Torque wrench with optical/acousticsignal  
5910 890 0311 Torque wrench

**Cleaning Systems - High-Pressure Cleaners**

- 5910 890 0312 Torque wrench with optical/acousticsignal
- 5910 890 2207 Installing tool
- 5910 890 2308 Screwdriver, T10
- 5910 890 6500 Removing tool M8 - Removal of pressure and intake valves

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

- 5910 850 3204 Pressure gauge
- 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 850 3204 Pressure gauge
- 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 2308 Screwdriver, T10

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

- 5910 850 3204 Pressure gauge
- 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 2308 Screwdriver, T10
- 5910 890 6500 Removing tool M8 - 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 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 3204 Pressure gauge - Adjusting safety valve block



**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 2207 Installing tool - Pressing high-pressure cups into cylinder head, pressing oil seal into drive housing
- 5910 890 2308 Screwdriver, T10
- 5910 890 2800 Assembly hook - Removal of pressure delay valve from regulation valve block
- 5910 890 6500 Removing tool M8 - 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 143, RE 163 (4768, 4769)**

- 5910 850 3204 Pressure gauge
- 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 2308 Screwdriver, T10 - Spline socket head screws
- 5910 890 2309 Screwdriver, T15 - Spline socket head screws
- 5910 890 6500 Removing tool M8 - Removal of pressure and intake valves
- 5910 890 6506 Removing tool M6 - Installing valve heads

**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

**Cleaning Systems - High-Pressure Cleaners**

5910 890 2800 Assembly hook

5910 893 2800 Assembly drift

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

5910 850 3201 Pressure gauge M24x1,5 - Adjusting pressure control

5910 850 3206 Pressure gauge - Adjusting pressure control

5910 850 4503 Ignition system tester, ZAT 4

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

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 M27x1,5 - 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

**Cleaning Systems - High-Pressure Cleaners**

- 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
- 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 855 3500 Smoke spot scale - Determining soot content in flue gas
- 4724 512 0500 Pressure gauge - Adjusting pressure control
- 5910 850 3202 Pressure gauge M27x1,5
- 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

**Cleaning Systems - High-Pressure Cleaners**

- 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 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 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 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 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

**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

**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 855 3500 Smoke spot scale - Determining soot content in flue gas
- 4724 512 0500 Pressure gauge - Adjusting pressure control
- 5910 850 3202 Pressure gauge M27x1,5
- 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 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 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

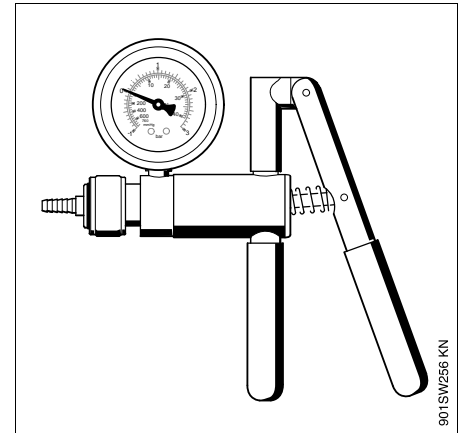
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**Cleaning Systems - High-Pressure Cleaners**

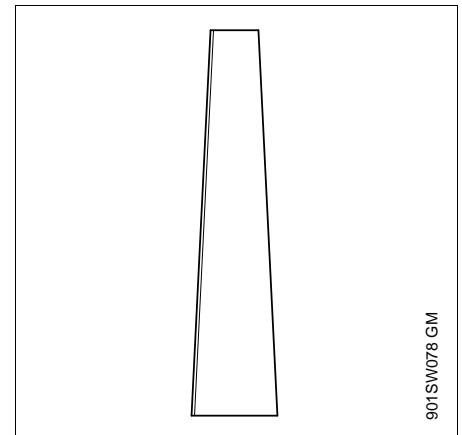
- 4705 893 4700 Installing mandrel - High-pressure cups in cylinder head, sealing cups in leakage water flange, oil seals in pump housing
- 4712 850 3200 Pressure gauge - Adjusting fuel pump delivery pressure
- 4712 850 3400 Smoke spot pump - Adjusting burner
- 4712 850 7000 CO2 analyzer - Adjusting burner
- 4712 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

**0000 850 1300 Pump**

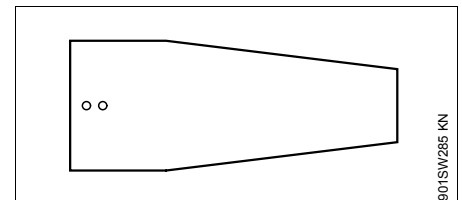
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**0000 855 8106 Sealing plate**

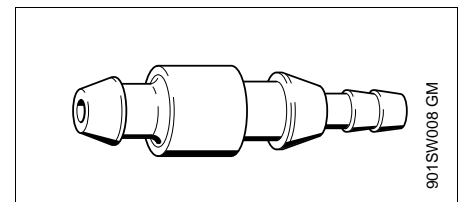
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**0000 855 8107 Sealing plate**

1138, 1140

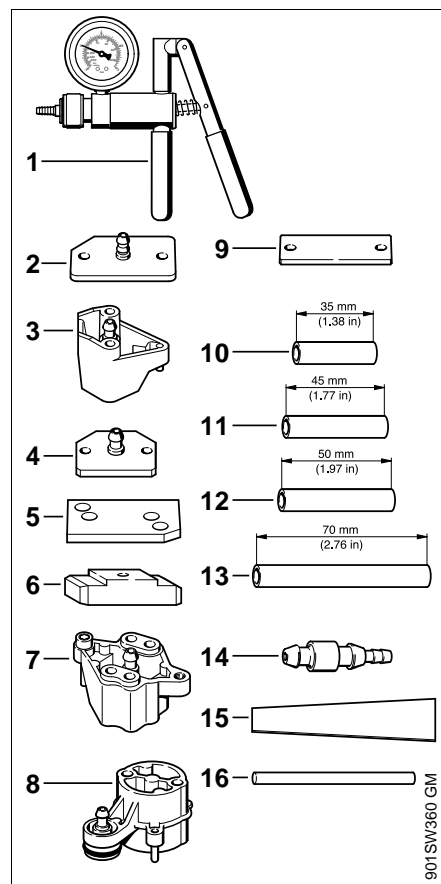
**0000 855 9200 Nipple**

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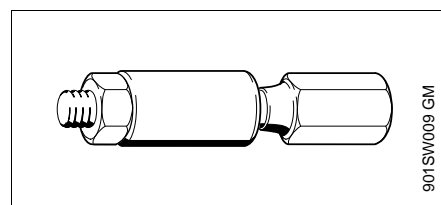


**0000 890 1701 Testing tool kit**

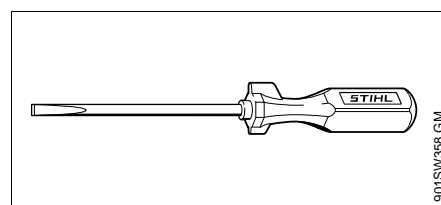
1 Pump (1)	0000 850 1300
2 Flange (1)	1106 850 4201
3 Flange (1)	1118 850 4200
4 Test flange (1)	1119 850 4201
5 Flange (1)	1123 855 4200
6 Flange (1)	1124 850 4205
7 Flange (1)	5910 850 4200
8 Flange (1)	4224 890 1200
9 Flange (1)	4224 893 2501
10 Bushing (2)	0000 963 1008
11 Sleeve (2)	1123 851 8300
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
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**0000 890 2201 Installing tool**

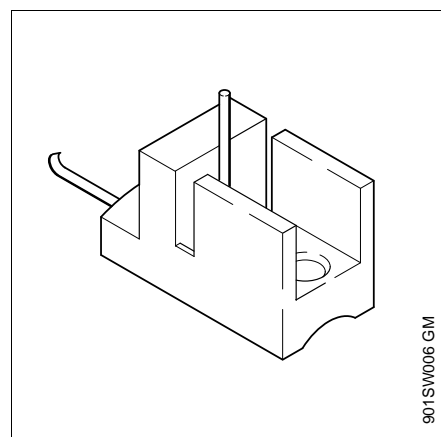
Hexagon nut M6 (1)	9210 319 0900
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**0000 890 2300 Screwdriver**

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**

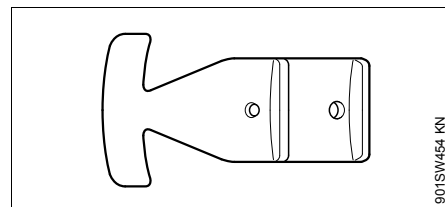
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**0000 890 6400 Setting gauge**

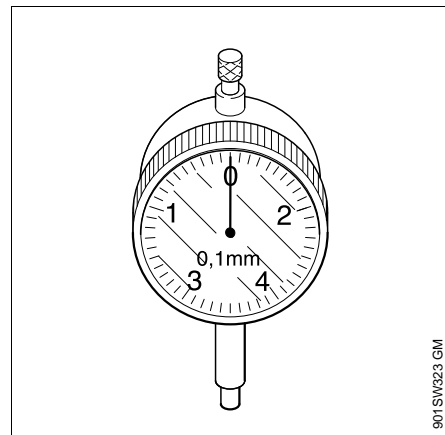
4147



901SW454 KN

**0000 890 9100 Dial gauge**

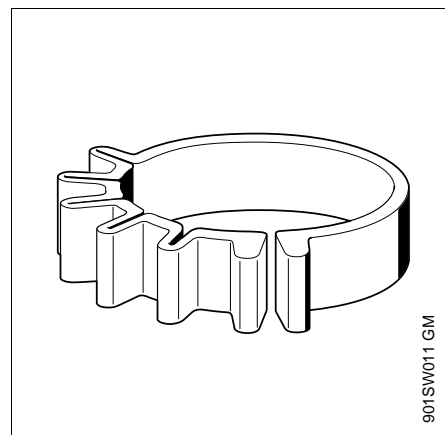
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901SW323 GM

**0000 893 2600 Clamping strap**

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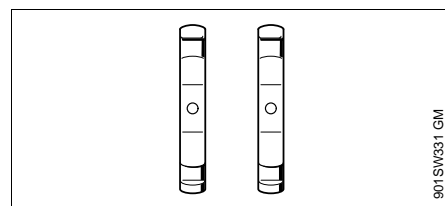


901SW011 GM

**0000 893 3700 Jaw**

(profile No. 2)

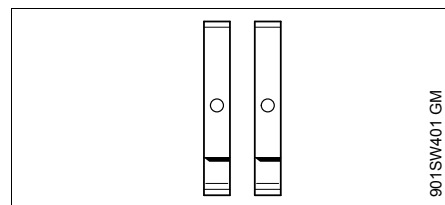
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901SW331 GM

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

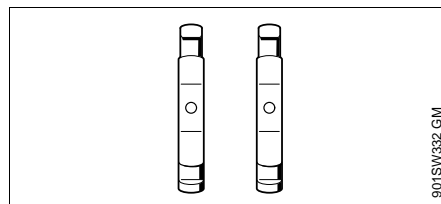
4249



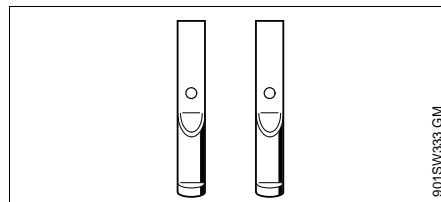
901SW401 GM

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

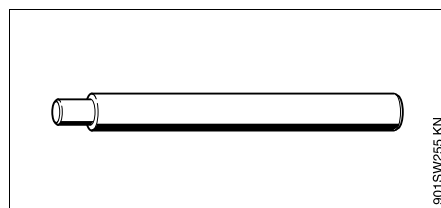
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**0000 893 3711 Jaw (profile No. 6)**

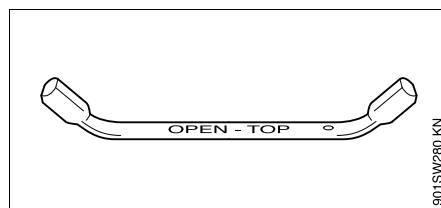
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**0000 893 4700 Assembly drift**

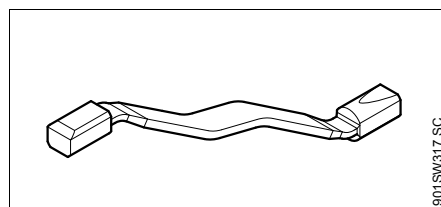
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**0000 893 5903 Locking strip**

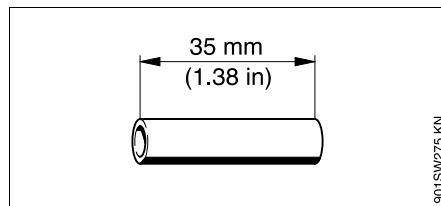
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**0000 893 5904 Locking strip**

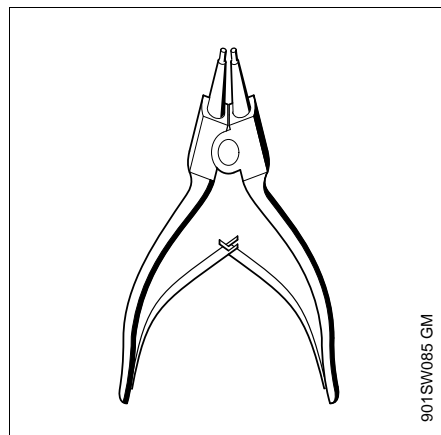
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**0000 963 1008 Bushing**

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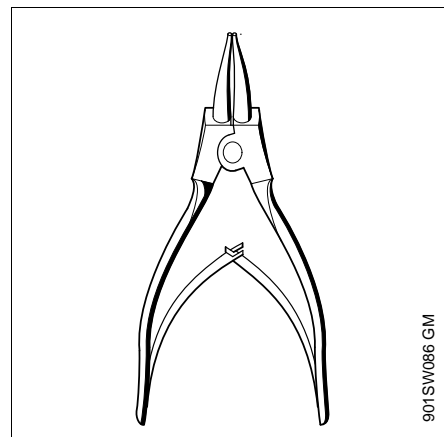
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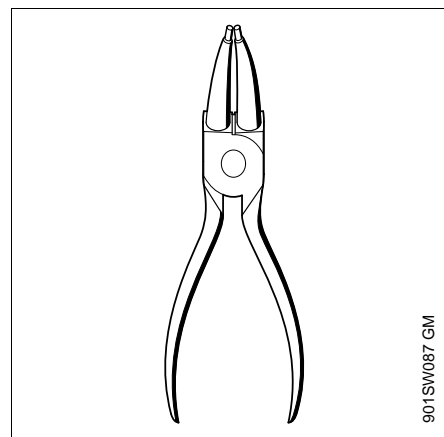


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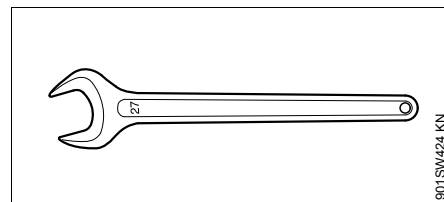
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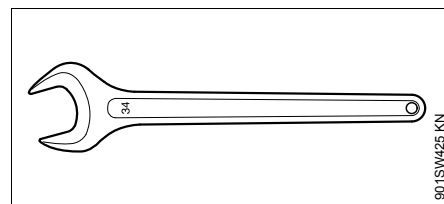
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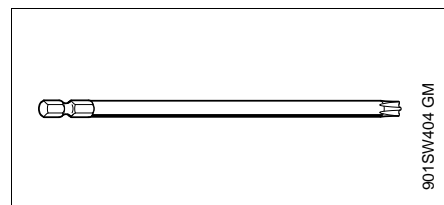
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**0812 032 2003 Wrench 34**

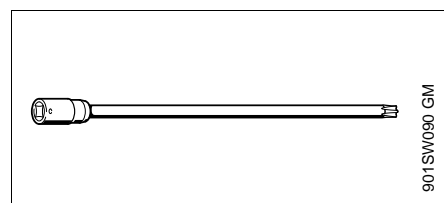
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**0812 540 1112 Socket, T27x140**

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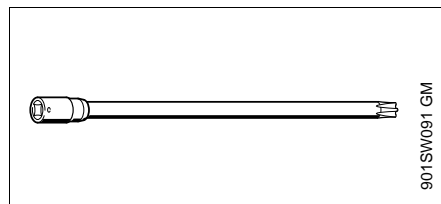
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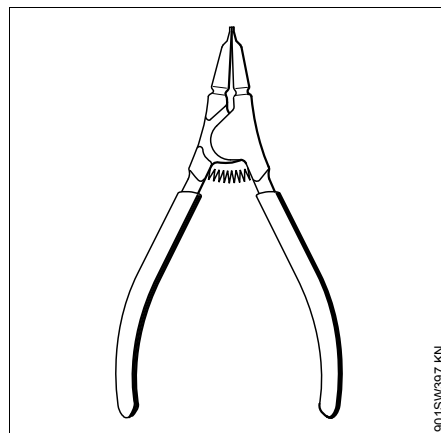


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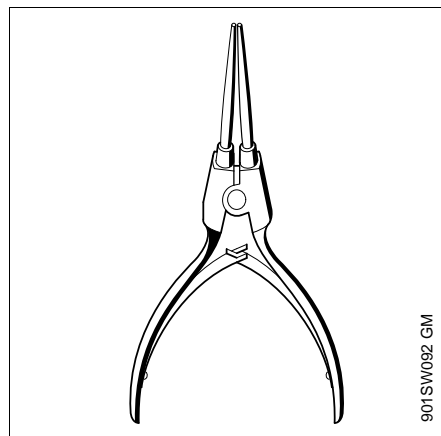
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 4138, 4139, 4140, 4144, 4146, 4147, 4170, 4201, 4203, 4205, 4221,  
 4223, 4226, 4227, 4228, 4229, 4230, 4232, 4238, 4241, 4244, 4246,  
 4311, 4313, 4600, 4601, 4137, 4601, 4722, 4851, 4852, 4853

**0816 610 1451 Pliers A3**

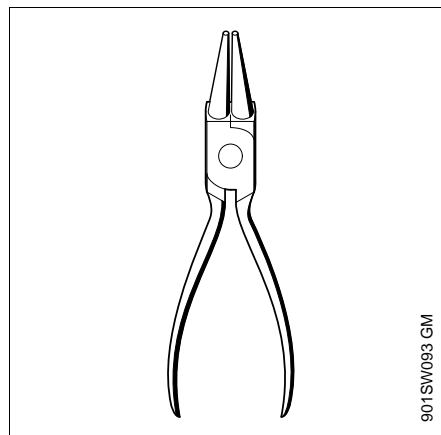
4249

**0816 610 1495 Pliers A10-flat**

4116, 4126, 4126, 4135, 4113, 4128, 4134, 4134, 4128, 4135, 4137,  
 4138, 4146, 4147, 4170

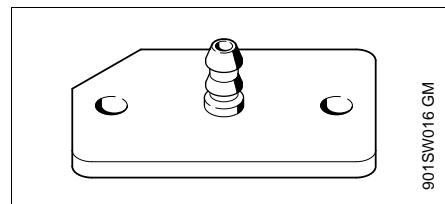
**0816 630 1452 Pliers C12**

1106, 1109, 1106, 4205

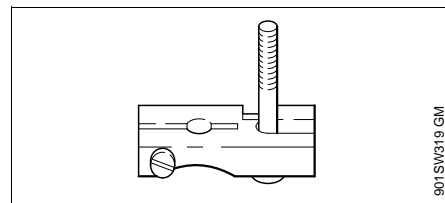


**1106 850 4201 Flange**

1106, 1109, 1106, 1124

**1106 890 4200 Clamp**

1106, 1109, 1106, 1118, 1119

**1106 890 4501 Puller**

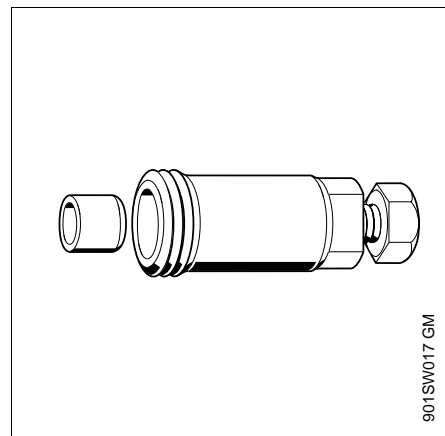
Hexagon head screw M10x55 (1)

0000 951 0920

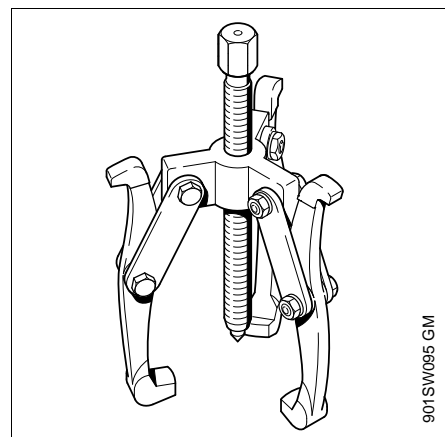
Thrust piece (1)

1107 894 1000

1106, 1109, 1106, 1122, 1124, 4201, 4224

**1106 890 4510 Puller**

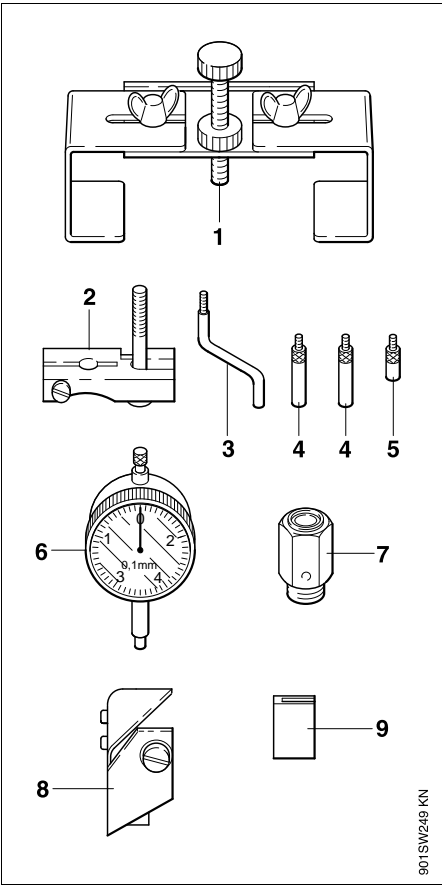
1114, 1115



1106 890 8700 Ignition timing unit with dial gauge

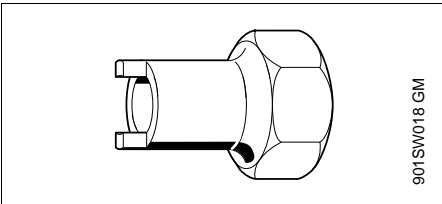
- 1 Tensioning clip (1)
- 2 Clamp (1)
- 3 Feeler pin (1)
- 4 Feeler pin (2)
- 5 Feeler pin (1)
- 6 Dial gauge (1)
- 7 Holder (1)
- 8 Clamp bracket (1)
- 9 Spreader plate (1)
- 1114, 1115

- 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



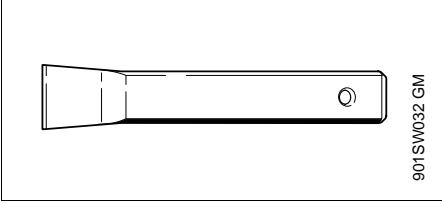
1106 893 4700 Assembly drift

- 1106, 1109, 1106



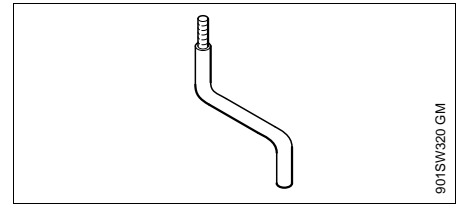
1106 893 9200 Groove drift, 1.6 mm

- 1115



**1106 894 3000 Feeler pin**

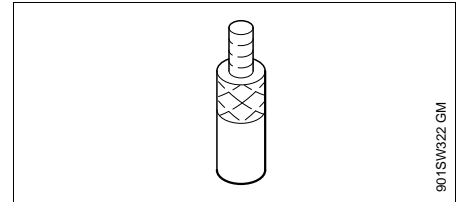
1118, 1119



901SW320 GM

**1106 894 3005 Feeler pin**

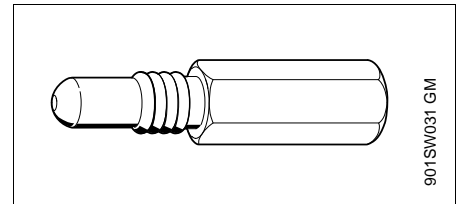
1106, 1109, 1106



901SW322 GM

**1107 191 1200 Locking screw**

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



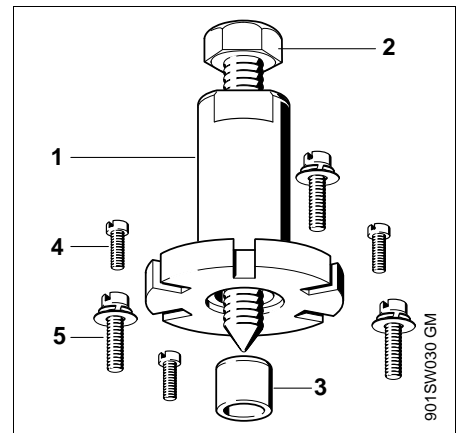
901SW031 GM

**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)

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

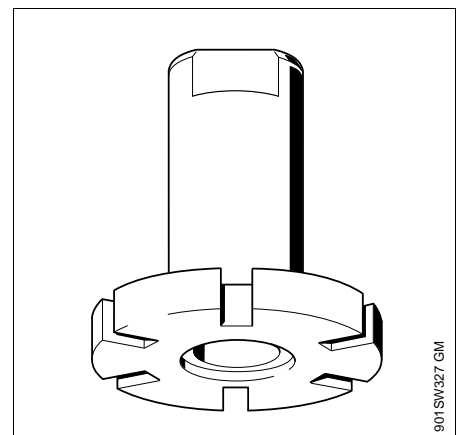
1118, 1119, 1122, 1125, 1128



901SW030 GM

**1107 894 0800 Puller sleeve**

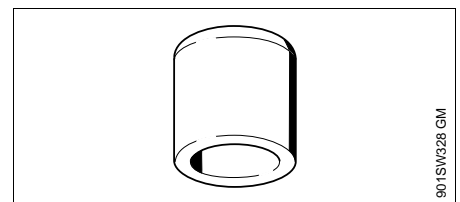
1118, 1119, 1122, 1125, 1128



901SW327 GM

**1107 894 1000 Thrust piece**

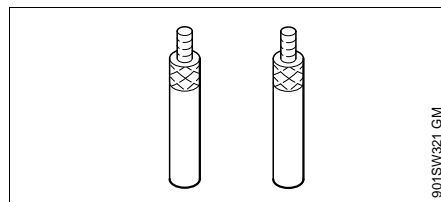
1118, 1119, 1122, 1125, 1128



901SW328 GM

**1107 894 3000 Feeler pin**

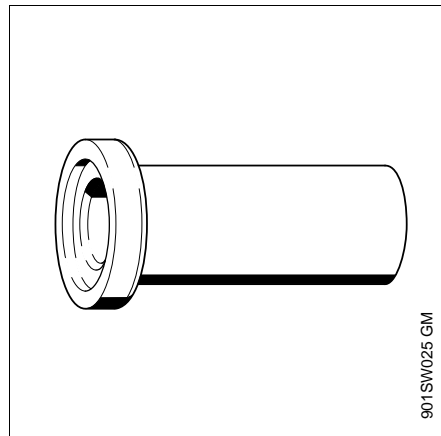
1114, 1115



901SW321 GM

**1108 893 2405 Press sleeve**

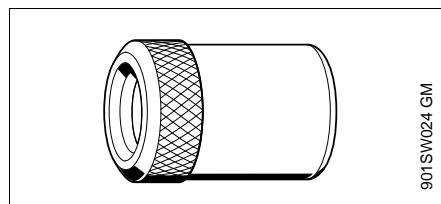
1122, 1133, 4116, 4126, 4135, 4113, 4180, 4282



901SW025 GM

**1108 893 4500 Threaded bushing**

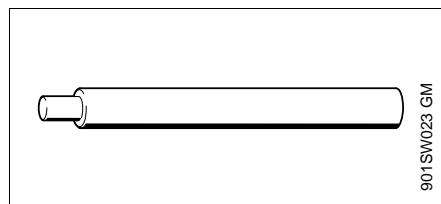
4139, 4140, 4144, 4229, 4232, 4241, 4601



901SW024 GM

**1108 893 4700 Assembly drift**

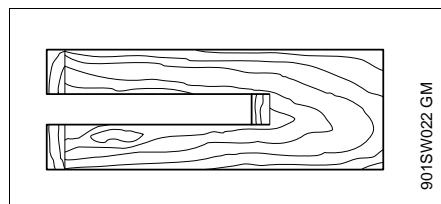
1119, 1122, 1133, 1140, 4116, 4126, 4135, 4113, 4133, 4135, 4137, 4138, 4180, 4182, 4183, 4221, 4244, 4249, 4280, 4282, 4705, 4710, 4706, 4707, 4722, 4724, 4736, 4775



901SW023 GM

**1108 893 4800 Wooden assembly block**

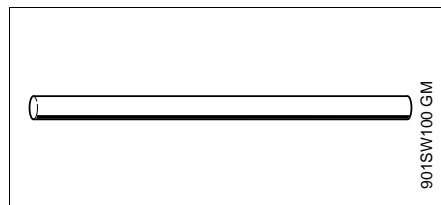
1109, 1106, 1115, 1119, 1121, 1122, 1124, 1125, 1128, 1129, 1133, 1135, 1138, 1140, 1143, 4116, 4119, 4126, 4126, 4135, 4113, 4128, 4133, 4134, 4134, 4128, 4135, 4137, 4138, 4139, 4140, 4144, 4146, 4147, 4203, 4205, 4211, 4213, 4221, 4222, 4223, 4224, 4226, 4227, 4229, 4232, 4238, 4246, 4311, 4600, 4601, 4137, 4601



901SW022 GM

**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, 1141, 1143, 4116, 4119, 4126, 4126, 4135, 4113, 4128, 4133, 4134, 4134, 4128, 4135, 4137, 4138, 4139, 4140, 4144, 4146, 4147, 4170, 4180, 4182, 4203, 4205, 4211, 4213, 4221, 4223, 4224, 4226, 4227, 4228, 4229, 4232, 4238, 4241, 4244, 4246, 4280, 4282, 4311, 4314, 4601

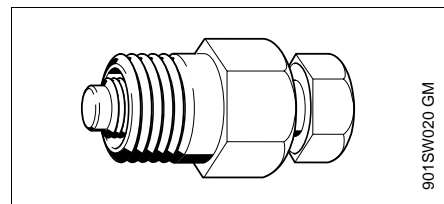


901SW100 GM



**1110 890 4500 Puller**

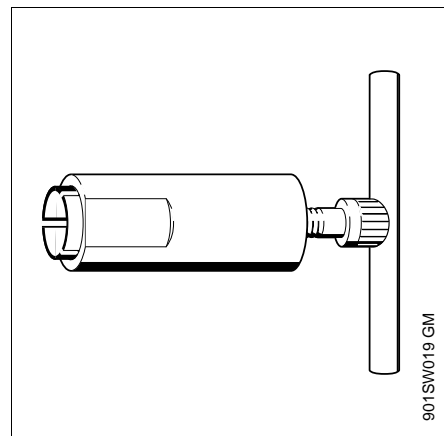
1114, 1118, 1119, 1121, 1122, 1125, 1128, 4116, 4205

**1110 890 4510 Puller**

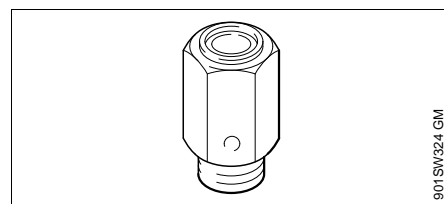
Sealing ring 8x12 (1)

9636 965 0640

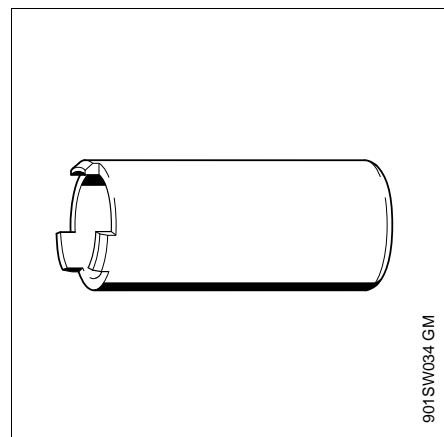
1106, 1109, 1106

**1110 890 8600 Holder**

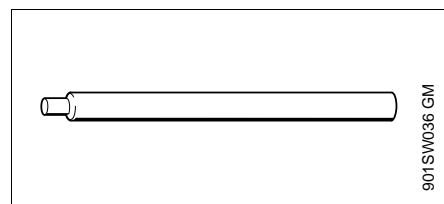
1114, 1115

**1110 893 2400 Press sleeve**

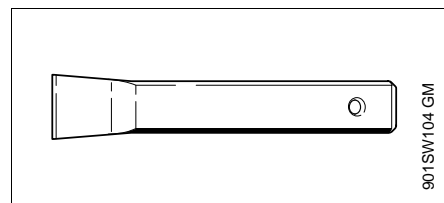
1106, 1109, 1106, 1115

**1110 893 4700 Assembly drift**

1123, 1127, 1128, 1139, 1141, 1143, 4119, 4133, 4147, 4180, 4203, 4223, 4238, 4246

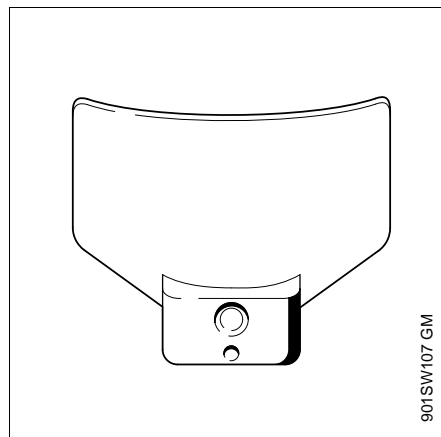
**1110 893 9200 Groove drift, 1.3 mm**

1114

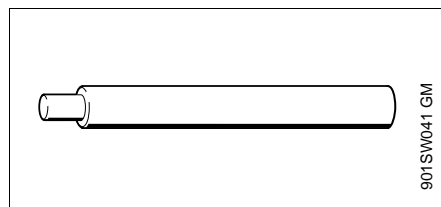


**1111 890 6400 Setting gauge**

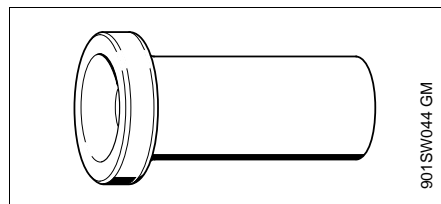
1118, 1119, 1121, 1122, 1123, 1124, 1125, 1128, 1129, 1130, 1132,  
1133, 1135, 1138, 1140, 1141, 1143, 4116, 4126, 4135, 4221, 4224

**1111 893 4700 Assembly drift**

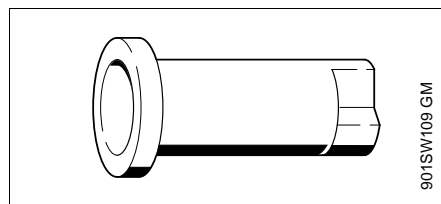
1115, 1123, 1124, 1128, 1208, 4126, 4205, 4230

**1113 893 4600 Press sleeve**

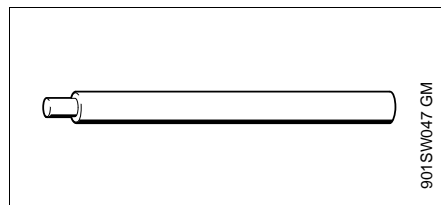
1109, 1106, 4126, 4135, 4113, 4203, 4222, 4311

**1114 893 4601 Installing sleeve**

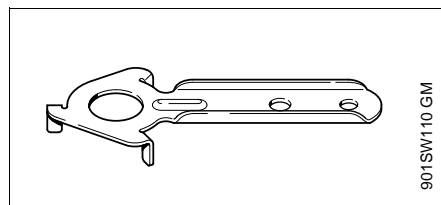
4116, 4140, 4229, 4232, 4249, 4601

**1114 893 4700 Assembly drift**

1114, 1121, 1129, 1137, 1138, 1140, 4126, 4126, 4135, 4113, 4128,  
4133, 4134, 4134, 4128, 4137, 4138, 4140, 4146, 4170, 4180, 4182,  
4183, 4211, 4213, 4226, 4227, 4229, 4232, 4280, 4600, 4601, 4137,  
4601

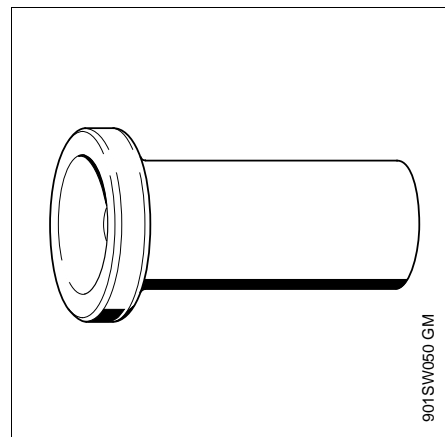
**1115 893 1300 Wrench**

1115

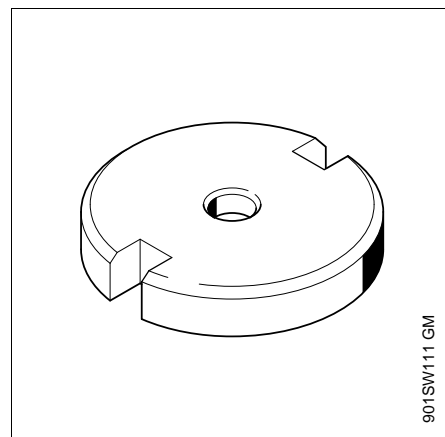


**1115 893 4600 Press sleeve**

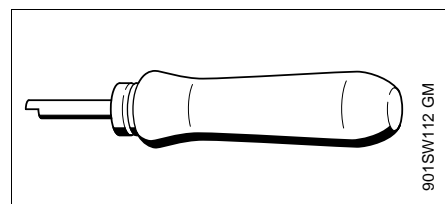
1128, 4126, 4126, 4135, 4113, 4128, 4133, 4134, 4134, 4128, 4135,  
4137, 4138, 4140, 4146, 4147, 4180, 4182, 4183, 4205, 4226, 4227,  
4232, 4249, 4280, 4311, 4313, 4600, 4601, 4137, 4601

**1116 893 4800 Installing tool**

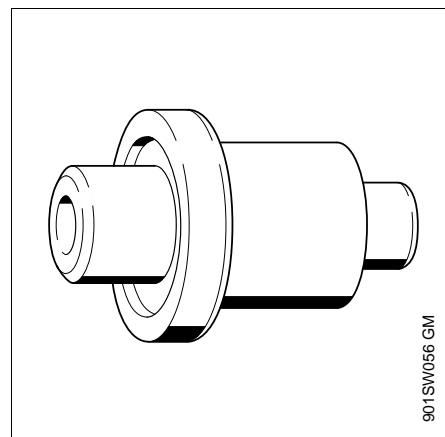
1123, 1128, 1129, 1130, 1132, 1135, 1139, 1141, 1143, 4241, 4244

**1117 890 0900 Assembly tube**

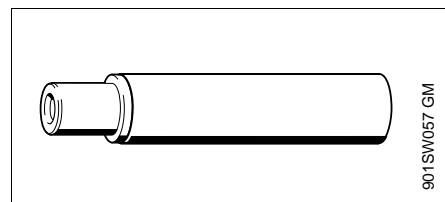
1118, 1119, 1121, 1122, 1123, 1124, 1125, 1127, 1128, 1129, 1130,  
1132, 1133, 1135, 1137, 1138, 1139, 1140, 1141, 1143, 1206, 1207,  
1208, 4313

**1117 893 7200 Press arbor**

4205, 4222, 4311, 4313

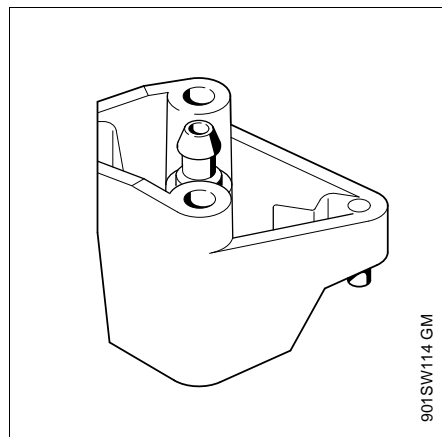
**1117 893 7205 Press arbor**

1118, 1119

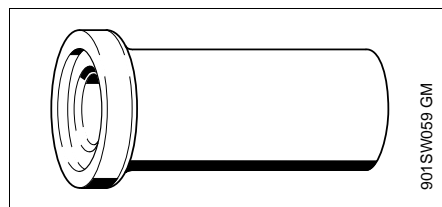


**1118 850 4200 Flange**

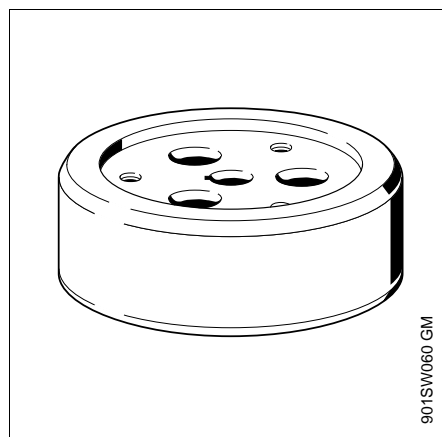
1123, 1143, 4116, 4119, 4203

**1118 893 2401 Press sleeve**

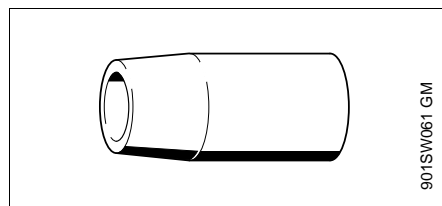
1125, 1128, 1135, 1138, 1140, 1141, 1143, 4116, 4246

**1118 893 3500 Centering tool**

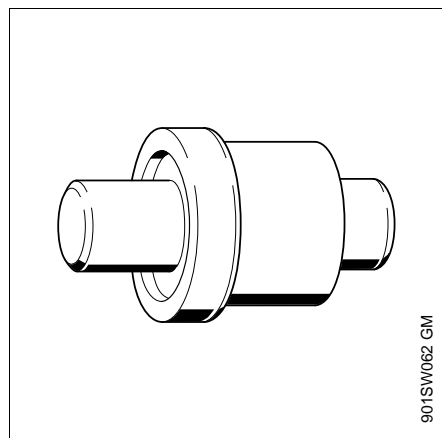
1118, 1119, 1121, 1122, 1125, 1128

**1118 893 4602 Installing sleeve**

1118, 1121, 1128, 1133, 1135, 1139, 1143, 4238, 4244, 4282

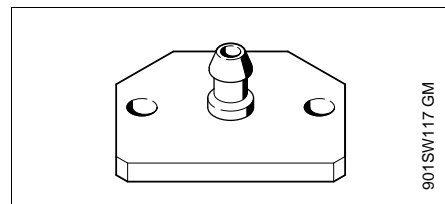
**1118 893 7200 Press arbor**

1118, 1121, 1125, 1128, 1135, 1138, 1141, 4116, 4126, 4126, 4135, 4113, 4128, 4134, 4134, 4128, 4135, 4137, 4138, 4147, 4170, 4203, 4222, 4223, 4226, 4227, 4228, 4246, 4311, 4313, 4314

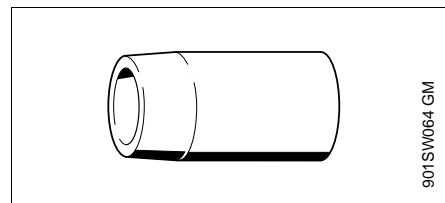


**1119 850 4201 Test flange**

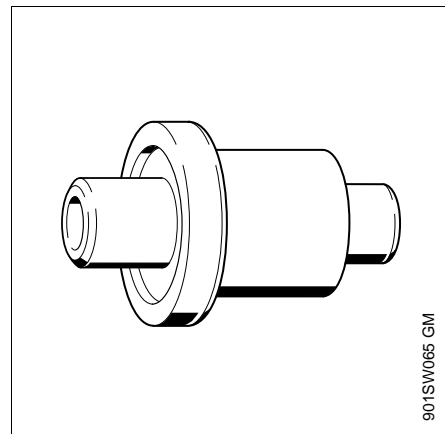
1133, 1141, 1143, 4180, 4182, 4280, 4282

**1119 893 2410 Installing sleeve**

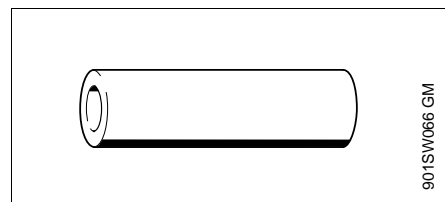
1119, 4606

**1119 893 7200 Assembly drift**

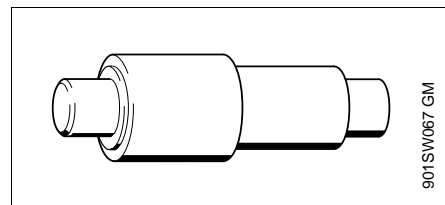
1106, 1109, 1106, 1119, 1122, 4201, 4205, 4221, 4223, 4313

**1120 893 2400 Press sleeve**

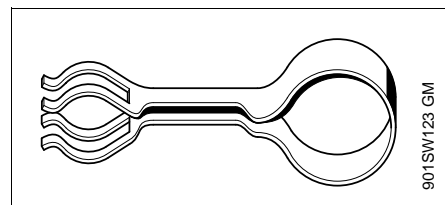
1121, 4140, 4180, 4229, 4232, 4601

**1120 893 7200 Press arbor**

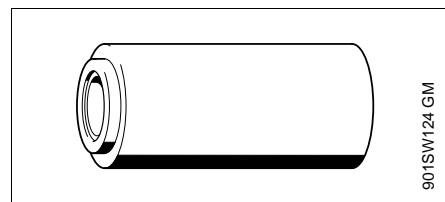
1121, 1125, 1128, 4128, 4134, 4134, 4128, 4146, 4147, 4205, 4246



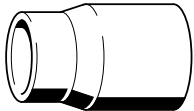

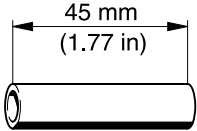
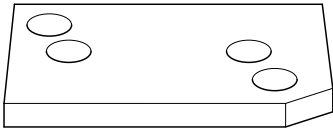
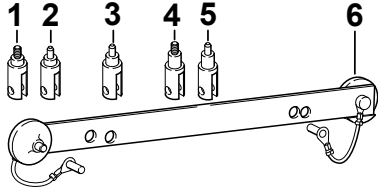
**1120 893 9100 Clip**

1123, 1130

**1121 893 2400 Press sleeve**

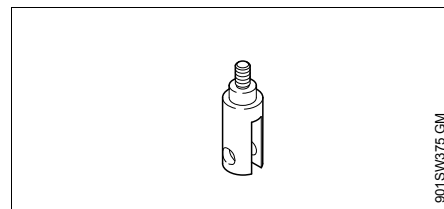
1121, 1125, 4139, 4140, 4144, 4241



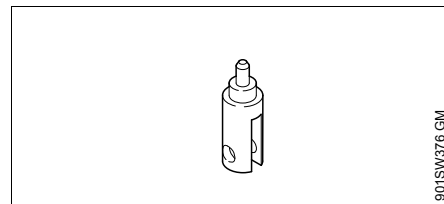
<b>1122 025 2200 Plug</b> 1121, 1124, 1128, 1135, 1138, 1140, 1141, 1143		 901SW357 GM
<b>1122 893 2405 Press sleeve</b> 1135, 1138, 1140, 1143		 901SW230 KN
<b>1122 893 4600 Installing sleeve</b> 1122, 1127, 1138, 1140, 4221, 4722		 901SW133 GM
<b>1122 893 7200 Assembly drift</b> 1135, 4126, 4135, 4113		 901SW237 KN
<b>1123 851 8300 Sleeve</b> 1123, 1130, 4128, 4134, 4134, 4128, 4146		 901SW276 KN
<b>1123 855 4200 Flange</b> 1123, 1127, 1129, 1130, 1139		 901SW356 GM
<b>1123 890 2202 Installing tool</b> 1 Puller (1) 2 Installer (1) 3 Installer (1) 4 Puller (1) 5 Installer (1) 6 Support (1) 1123, 1130, 1139, 1250, 4247	1123 893 1400 1123 893 1500 1123 893 1501 1130 893 1400 1130 893 1500 1123 893 7500	 901SW449 KN

**1123 893 1400 Puller**

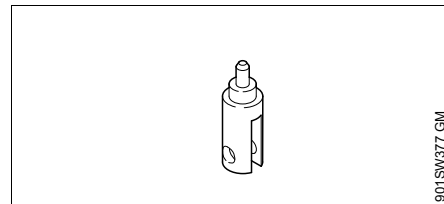
1123

**1123 893 1500 Installer**

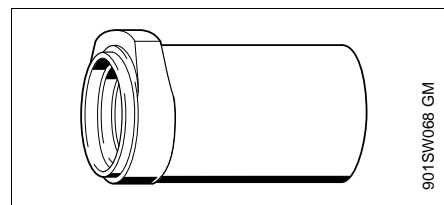
1123

**1123 893 1501 Installer**

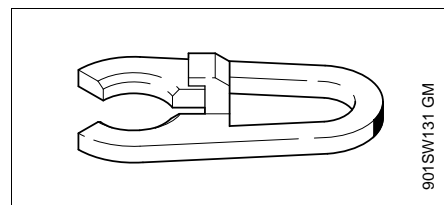
1123

**1123 893 2400 Press sleeve**

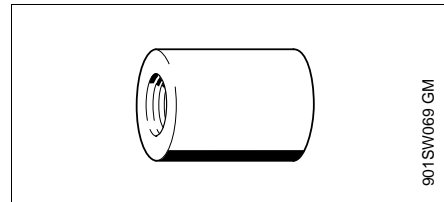
1123, 1130, 1132, 1139, 4249

**1123 893 9100 Clip**

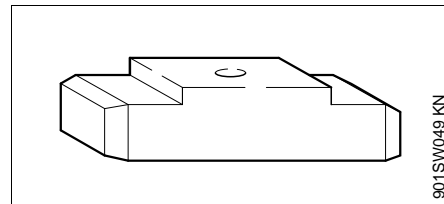
1123

**1123 894 7700 Guide**

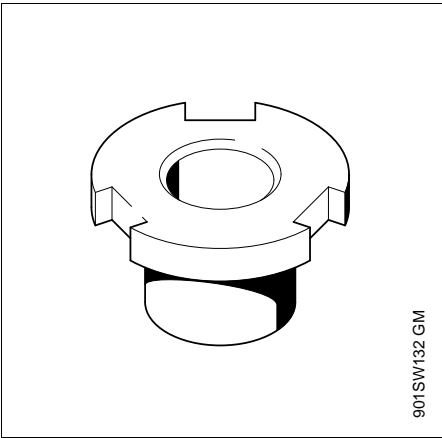
1123, 1130, 4138, 4182, 4810

**1124 850 4205 Flange**

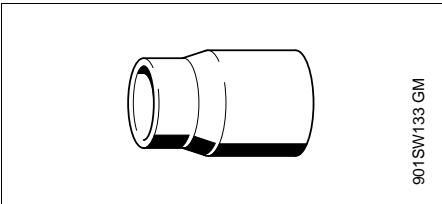
1124



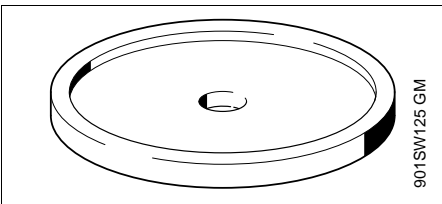
1124 893 2400 Press sleeve  
4126, 4135, 4113



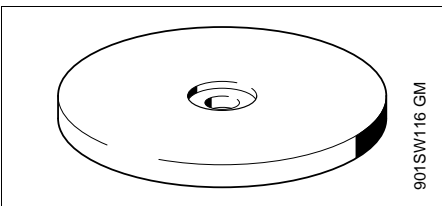
1124 893 4600 Installing sleeve  
1124, 4719, 4721, 4737



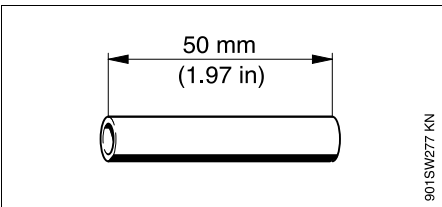
1124 893 5100 Installing plate  
1124



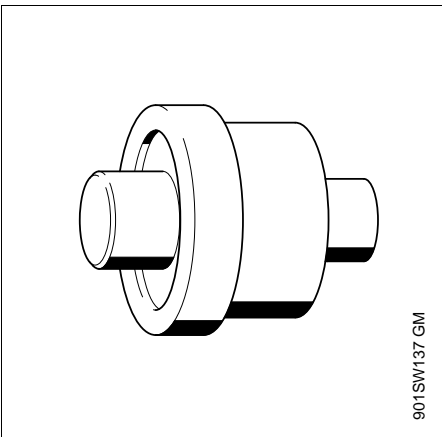
1124 893 5200 Base  
1124



1124 893 7100 Sleeve  
1123, 1124, 1129



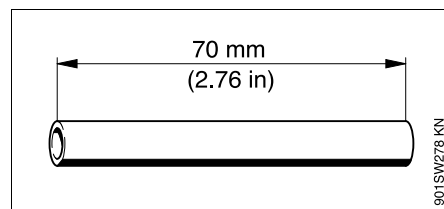
1124 893 7200 Press arbor  
1124, 4205



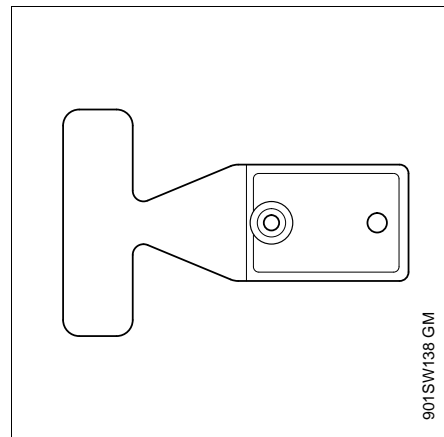


**1127 851 8300 Sleeve**

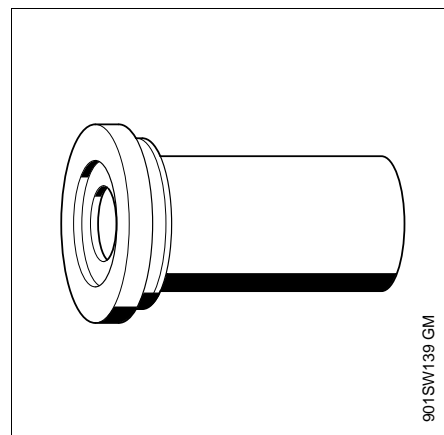
1124, 1127

**1127 890 6400 Setting gauge**

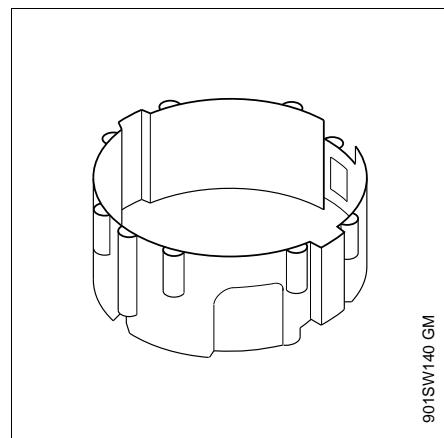
1127, 4116, 4139, 4144, 4223, 4229, 4232, 4238, 4241, 4246, 4601

**1127 893 2400 Press sleeve**

1124, 1127, 4223

**1127 893 2602 Clamping strap**

1127

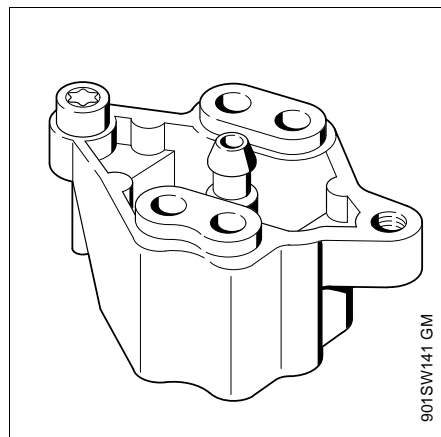


**1128 850 4200 Flange**

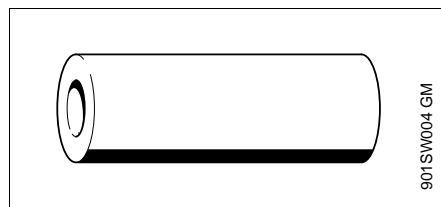
Screw M5x30 (1)

1128 855 9000

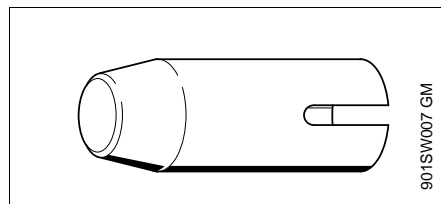
1119, 1121, 1123, 1125, 1127, 1128, 1129, 1130, 1132, 1135, 1137,  
 4116, 4126, 4135, 4113, 4128, 4133, 4134, 4134, 4128, 4137, 4138,  
 4140, 4146, 4147, 4203, 4205, 4223, 4226, 4227, 4229, 4232, 4237,  
 4246, 4311, 4600, 4601, 4137, 4601

**1129 893 2400 Press sleeve**

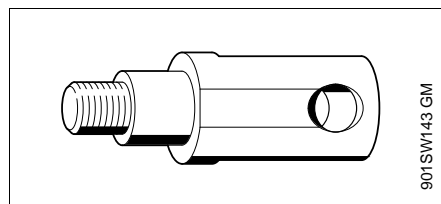
1129, 4126, 4135, 4139, 4144

**1129 893 4600 Installing sleeve**

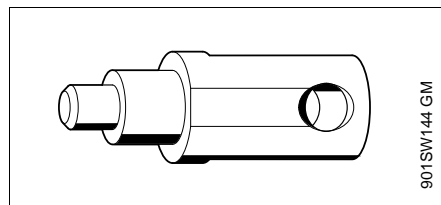
1129, 4126, 4135, 4113, 4140, 4229, 4232, 4245, 4601

**1130 893 1400 Puller**

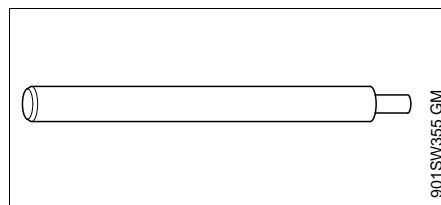
1130, 1139

**1130 893 1500 Installer**

1130, 1139

**1130 893 4700 Assembly drift**

1125, 1130, 1132, 4139, 4144, 4241



**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

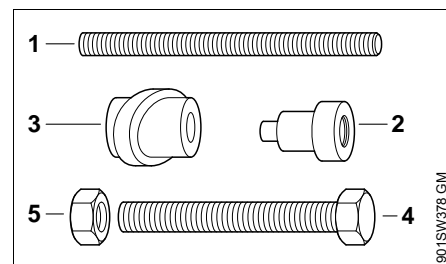
1132 893 8200

1132 893 7200

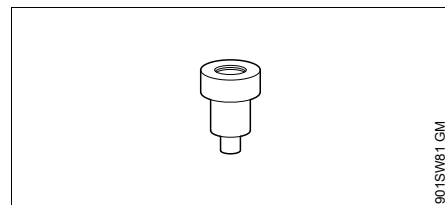
1132 893 8700

9008 319 1450

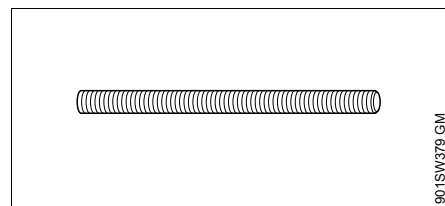
9210 260 0700

**1132 893 7200 Press arbor**

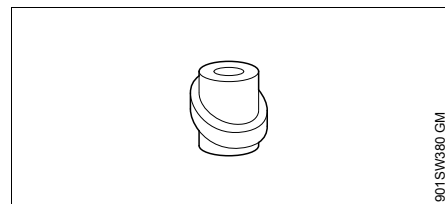
1132

**1132 893 8200 Screw rod**

1132

**1132 893 8700 Thrust piece**

1132

**1135 890 4500 Puller**

Hexagon head screw (1)

Spline screw

IS-M5x35 (2)

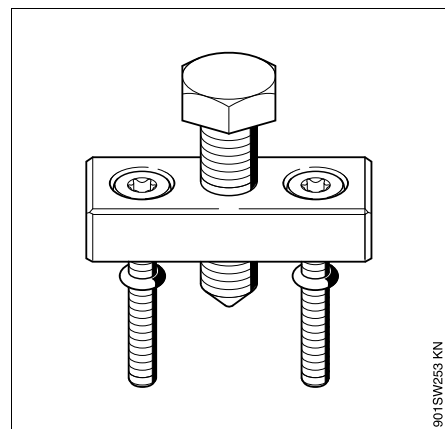
O-ring 4x2 (2)

1135, 1138, 1140, 4238

0000 951 0900

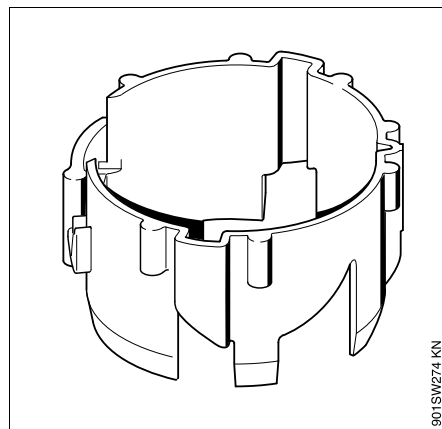
9022 341 1080

9646 945 0160

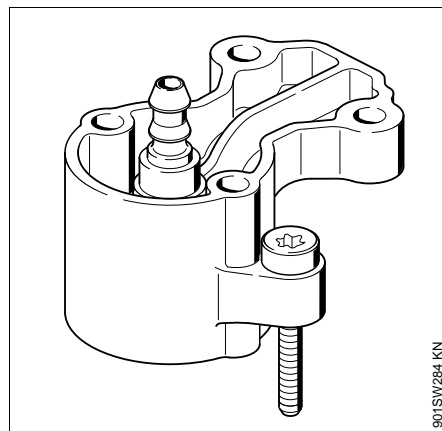


**1137 893 2600 Clamping strap**

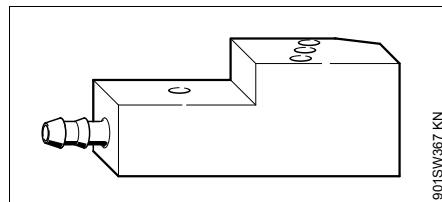
1137

**1138 890 1200 Flange**

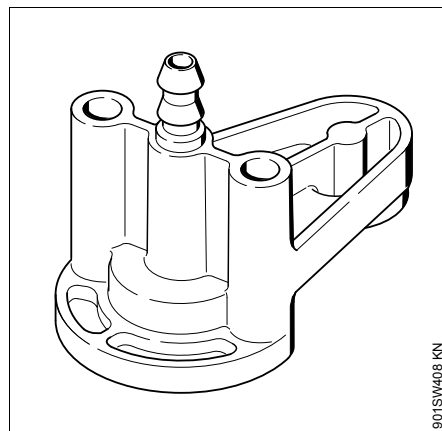
1138

**1139 893 2500 Flange**

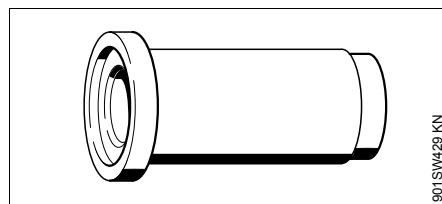
1139

**1140 890 1200 Flange**

1140

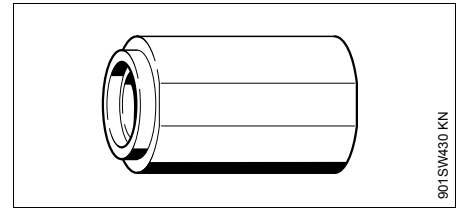
**1141 893 2400 Press sleeve**

1141



**1141 893 2401 Press sleeve**

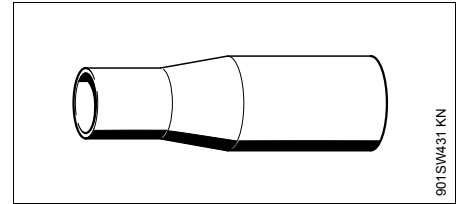
1141, 1143



901SW430 KN

**1141 893 4600 Installing sleeve**

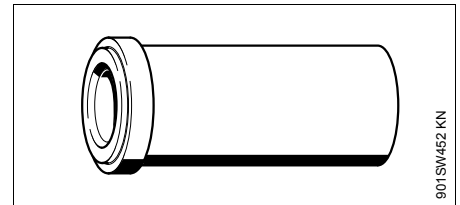
1141, 1143, 4147



901SW431 KN

**1143 893 2400 Press sleeve**

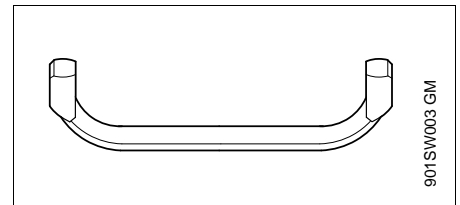
1143



901SW452 KN

**1145 893 5900 Locking strip**

4126, 4135, 4113, 4128, 4134, 4134, 4128, 4147, 4205, 4221, 4232, 4246, 4601, 4802, 4803



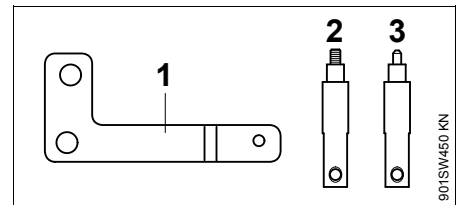
901SW003 GM

**1250 890 2200 Installing tool**

- 1 Lever (1)
- 2 Puller (1)
- 3 Installer (1)

1123, 1130, 1139, 1250, 4247

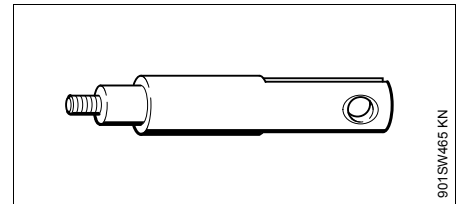
5910 893 7400  
1250 893 1400  
1250 893 1500



901SW450 KN

**1250 893 1400 Puller**

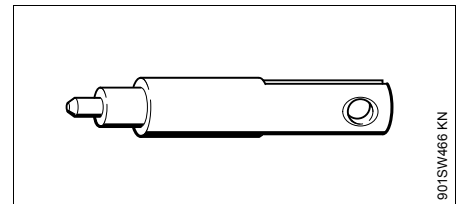
1250



901SW465 KN

**1250 893 1500 Installer**

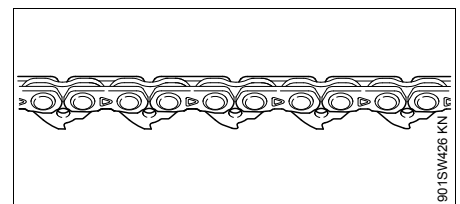
1250



901SW466 KN

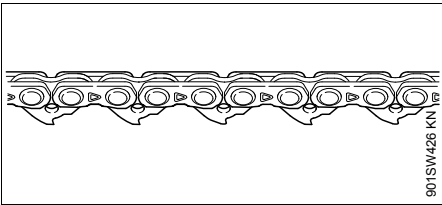
**3110 003 0044 Chain without cutters 3/8" P 1.1**

1123, 1129, 1130, 1132, 1137, 1139

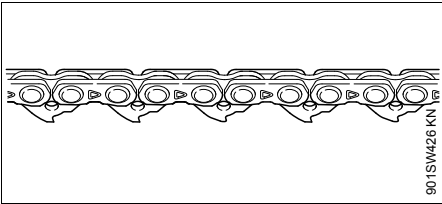


901SW426 KN

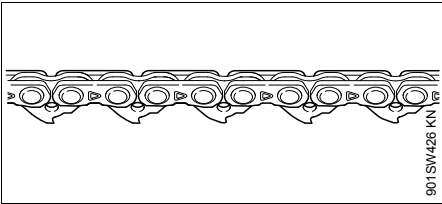
3111 003 0062 Chain without cutters .325" 1.3  
1121, 1123, 1127, 1133, 1141



3112 003 0066 Chain without cutters 3/8" 1.6  
1119, 1122, 1125, 1127, 1128, 1135, 1138, 1140



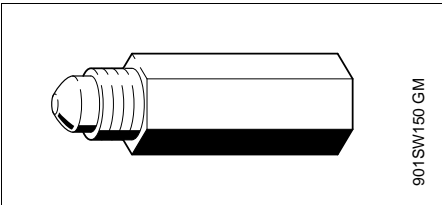
3113 003 0068 Chain without cutters .404" 1.6  
1106, 1122, 1124



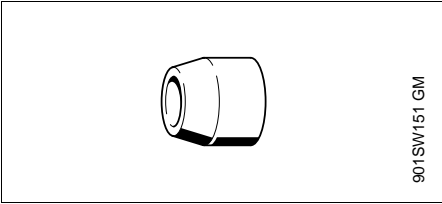
4110 893 7800 Press arbor  
4223



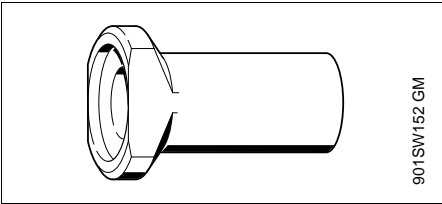
4112 893 1200 Locking screw for piston  
4126, 4135, 4211, 4213



4112 893 2400 Installing sleeve  
4126, 4126, 4135, 4113, 4128, 4134, 4134, 4128, 4135, 4137, 4138,  
4140, 4146, 4147, 4180, 4182, 4183, 4211, 4213, 4222, 4226, 4227,  
4232, 4246, 4249, 4280, 4311, 4601

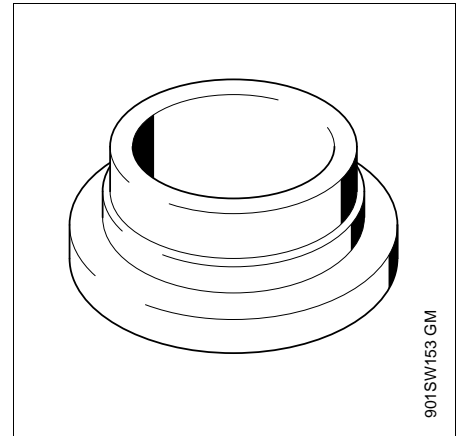


4112 893 2401 Press sleeve  
1137, 4126, 4135, 4113, 4128, 4133, 4134, 4134, 4128, 4137, 4138,  
4140, 4146, 4147, 4180, 4182, 4211, 4213, 4226, 4227, 4232, 4237,  
4246, 4280, 4600, 4601, 4137, 4601, 4719, 4721, 4737

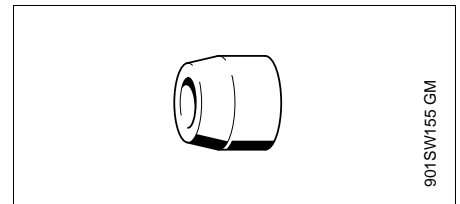


**4112 893 6400 Ring gauge**

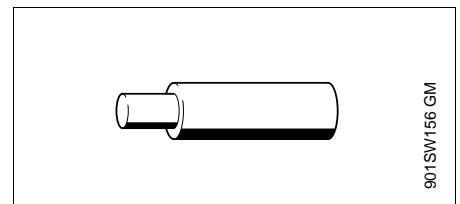
4249

**4116 893 4601 Installing sleeve**

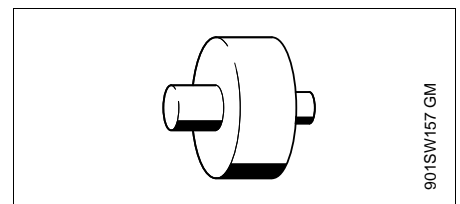
4116

**4116 893 4700 Assembly drift**

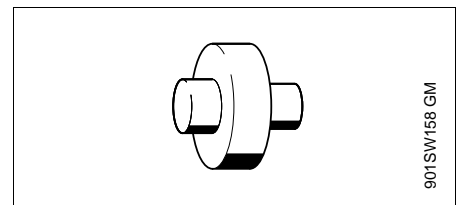
4116, 4128, 4134, 4147

**4116 893 7200 Press arbor**

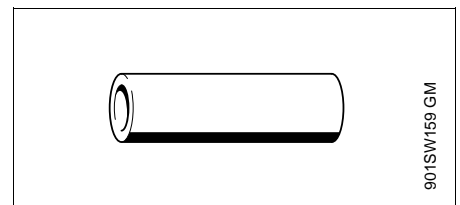
4116

**4116 893 7205 Press arbor**

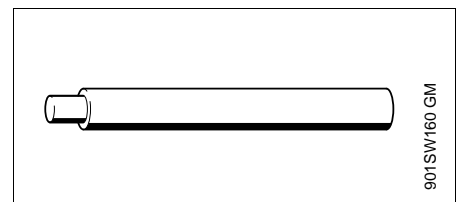
1208, 4116, 4222, 4223, 4311, 4313

**4116 894 1000 Thrust piece**

4116, 4128, 4134, 4134, 4128, 4146, 4249

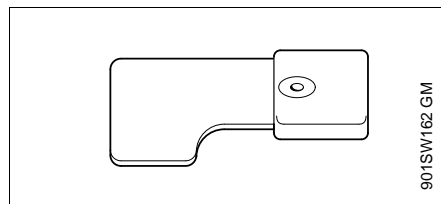
**4117 893 4700 Assembly drift**

4135, 4222, 4311

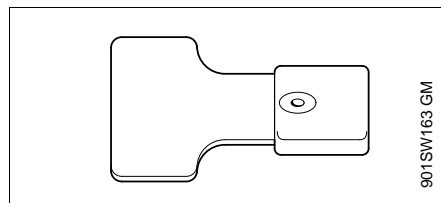


**4118 890 6400 Setting gauge**

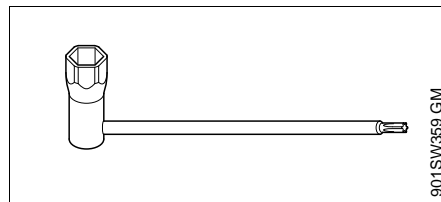
4119, 4126, 4135, 4113, 4128, 4133, 4134, 4134, 4128, 4137, 4138,  
4146, 4147, 4203, 4205, 4226, 4227

**4118 890 6401 Setting gauge**

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

**4119 890 3400 Combination wrench**

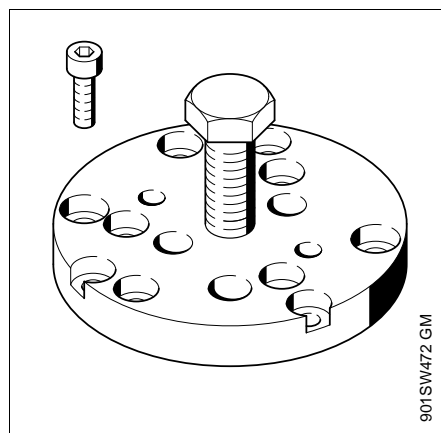
4126, 4135, 4170, 4222, 4311

**4119 890 4501 Puller**

Socket head screw  
M5x16 (3)

9045 371 0980

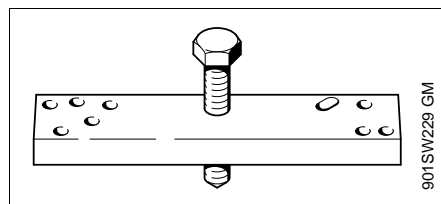
4126, 4126, 4135, 4113, 4133, 4135, 4170, 4180, 4182, 4203, 4222,  
4226, 4227, 4280, 4311

**4119 890 4600 Removing tool**

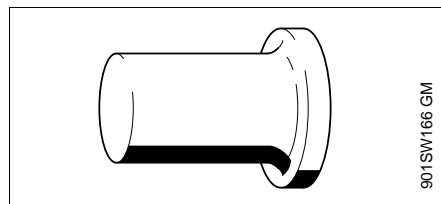
Hexagon head screw M10x55 (1)

0000 951 0920

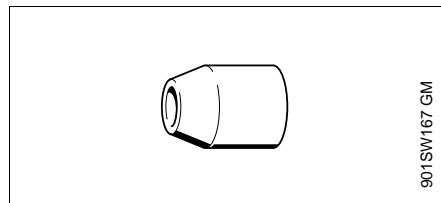
4116, 4119, 4126, 4126, 4135, 4113, 4128, 4134, 4134, 4128, 4135,  
4146, 4147, 4246

**4119 893 2400 Press sleeve**

4119, 4180, 4182, 4183, 4249, 4280

**4119 893 4600 Installing sleeve**

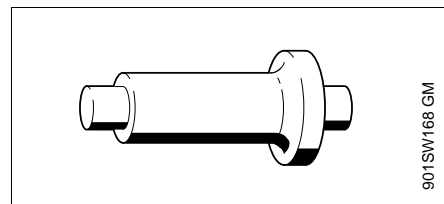
4119, 4133, 4139, 4144, 4147, 4237, 4241



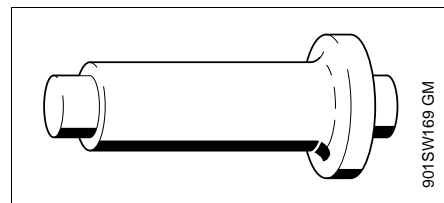


**4119 893 7200 Press arbor**

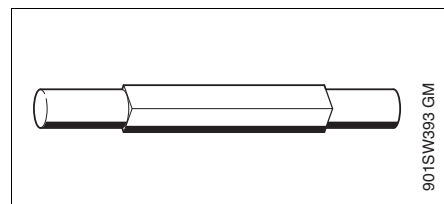
4119, 4126, 4126, 4135, 4113, 4128, 4133, 4134, 4134, 4128, 4135,  
4137, 4138, 4146, 4147, 4205, 4221, 4222, 4223, 4226, 4227, 4230,  
4238, 4246, 4249, 4600, 4601, 4137, 4601, 4802, 4803

**4119 893 7205 Press arbor**

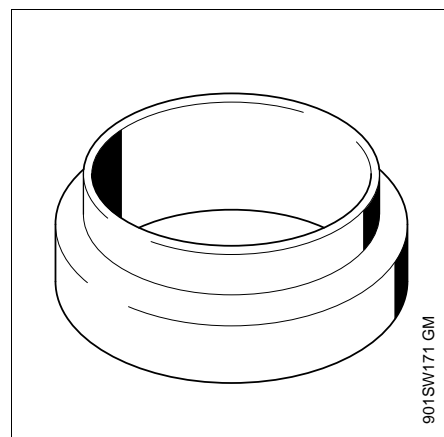
4311

**4126 893 4900 Installing tool**

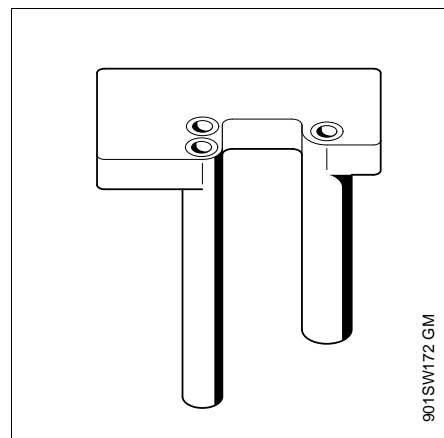
4126, 4128, 4134, 4134, 4128, 4137, 4138, 4146, 4147, 4170

**4129 893 6400 Ring gauge**

4311

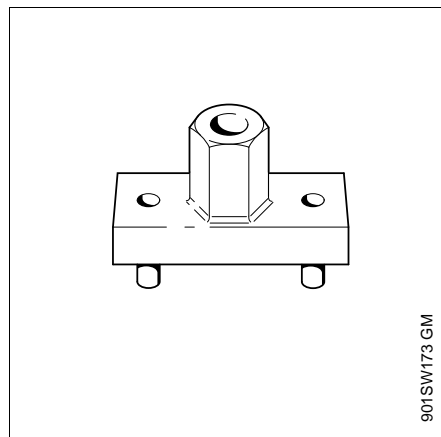
**4130 855 7700 Guide**

4130

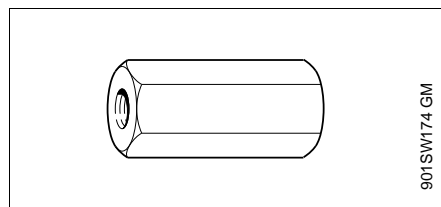


**4130 890 3600 Wrench**

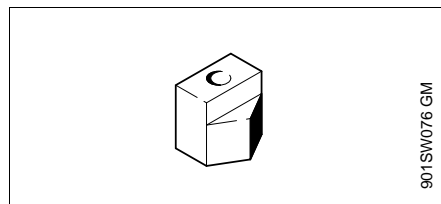
4139, 4140, 4144, 4232, 4601

**4133 893 0800 Puller**

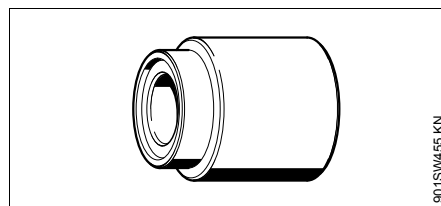
1132, 4128, 4133, 4134, 4134, 4128, 4137, 4138, 4146, 4147, 4226, 4227, 4246, 4600, 4601, 4137

**4133 893 1301 Wrench**

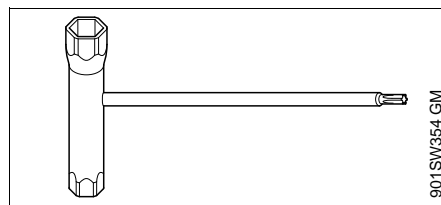
4226, 4227, 4228

**4147 893 2400 Press sleeve**

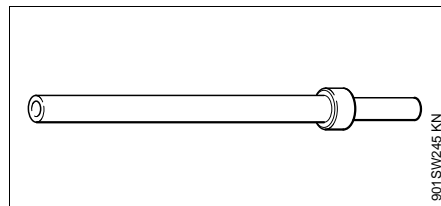
4147

**4180 890 3400 Combination wrench**

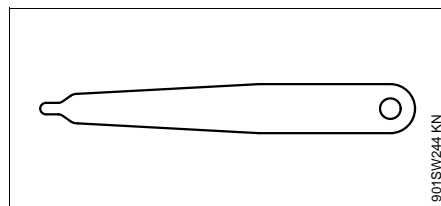
4180, 4182, 4183, 4249, 4280, 4282

**4180 893 4400 Extension**

4180, 4182, 4183, 4249, 4280

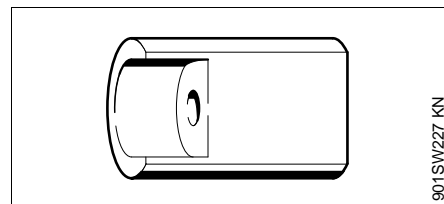
**4180 893 6400 Setting gauge**

4180, 4182, 4183, 4249, 4280, 4282

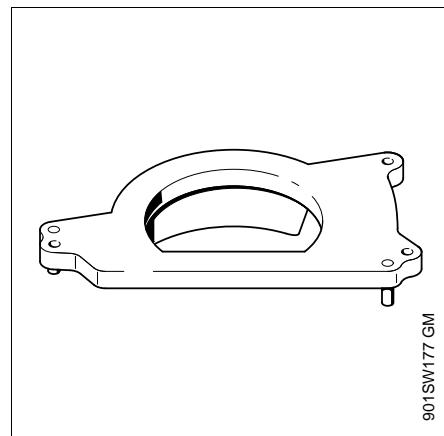


**4203 893 4600 Installing sleeve**

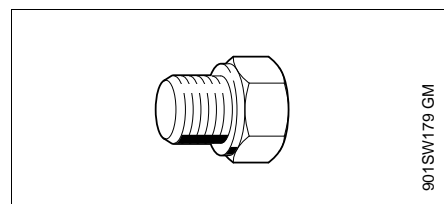
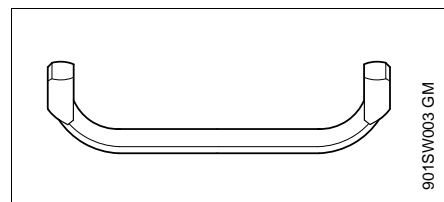
4203

**4211 890 6400 Setting gauge**

4211, 4213

**4221 025 2200 Plug**

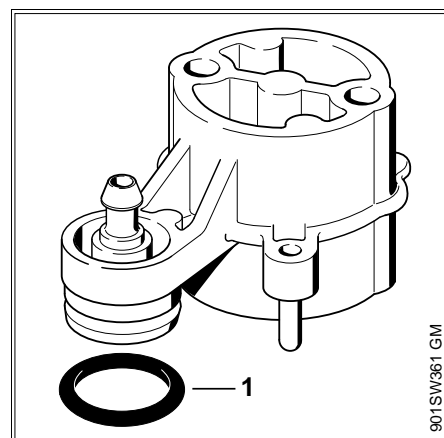
4223, 4224, 4238

**4221 893 5900 Locking strip**4126, 4135, 4113, 4128, 4134, 4134, 4128, 4147, 4205, 4221, 4232,  
4246, 4601, 4802, 4803**4224 890 1200 Flange**

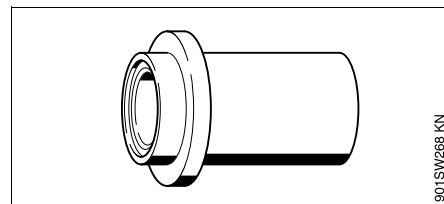
1 O-ring 17x3 (1)

9645 945 7574

4224

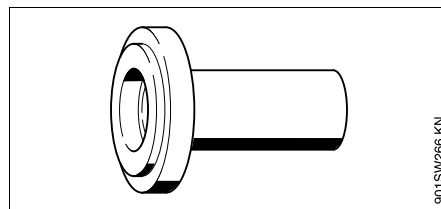
**4224 893 2400 Press sleeve**

4224

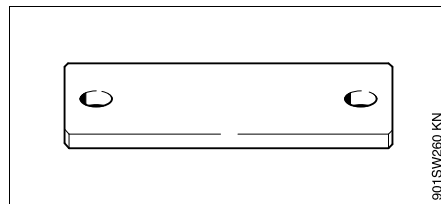


**4224 893 2401 Press sleeve**

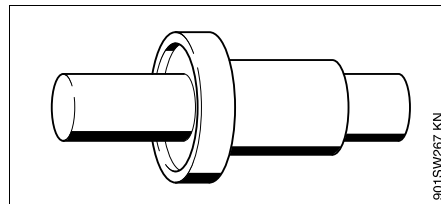
4224

**4224 893 2501 Flange**

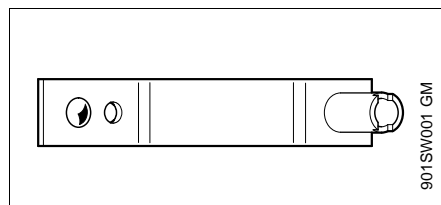
4224

**4224 893 7200 Press arbor**

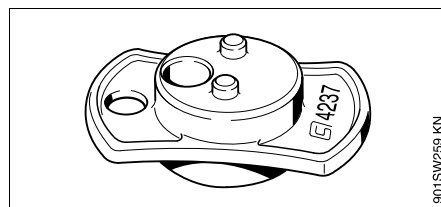
4224, 4238

**4226 890 3600 Wrench**

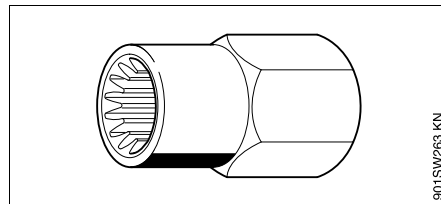
4226, 4227

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

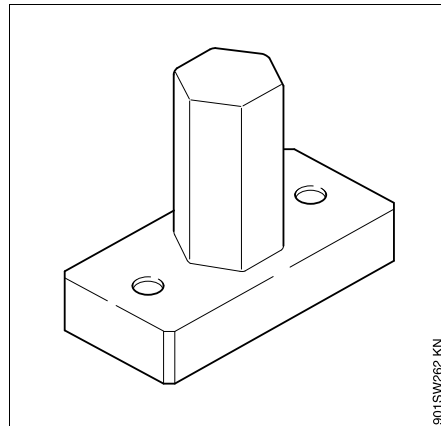
4237

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

4237

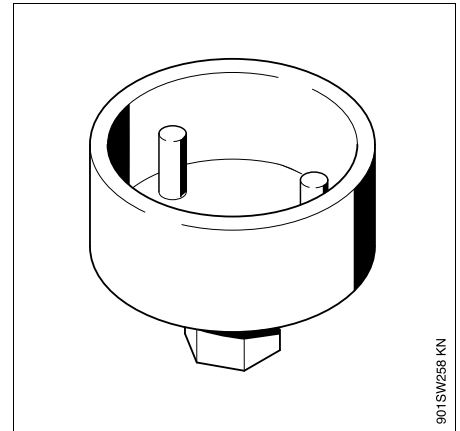
**4237 890 2202 Service tool, trimmer clutch drum**

4237

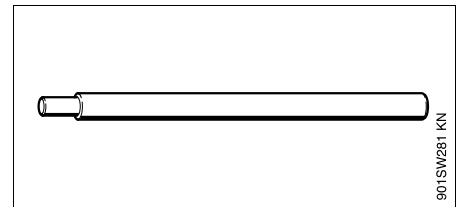


**4237 890 2203 Service tool, clutch**

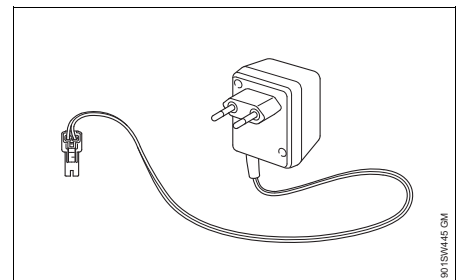
4237

**4237 893 4700 Assembly drift**

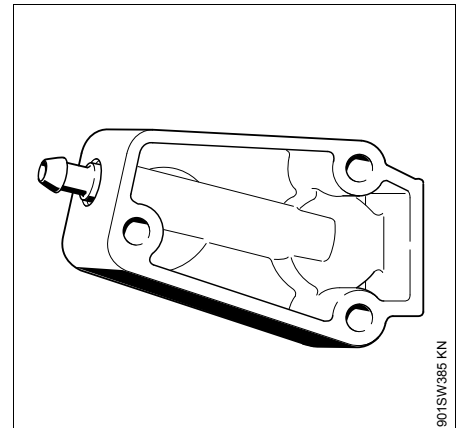
1122, 1127, 1133, 4116, 4130, 4203, 4205, 4237, 4238, 4249

**4238 400 8500 Power supply**

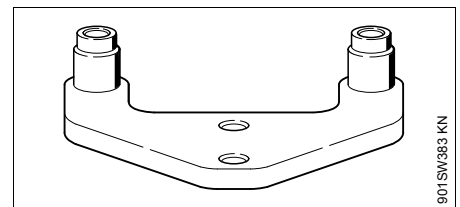
4238

**4238 890 1200 Flange**

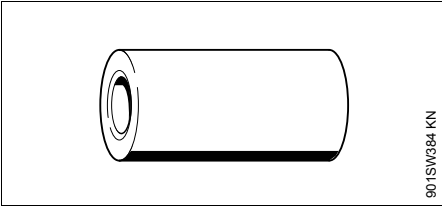
4238

**4238 890 2100 Clamping plate**

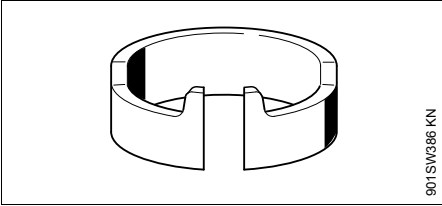
4238



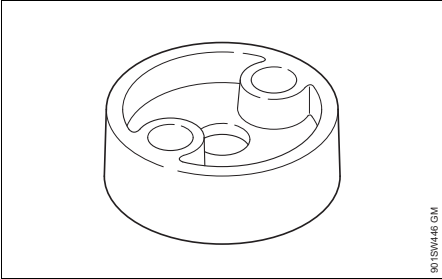
4238 893 2400 Press sleeve  
4147, 4238



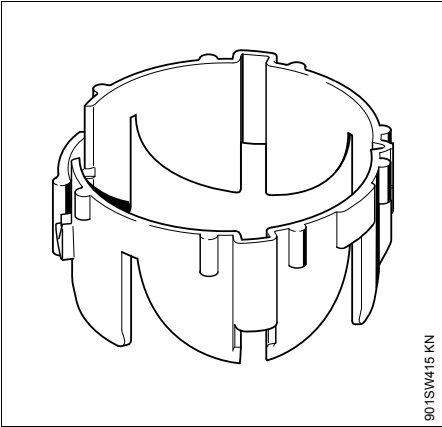
4238 893 7000 Ring  
4238



4238 894 1100 Spacer  
4238

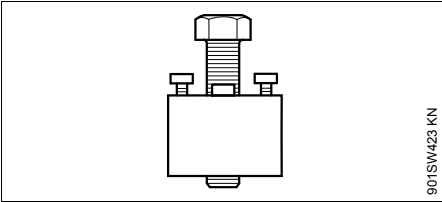


4244 893 2600 Clamping strap  
4244

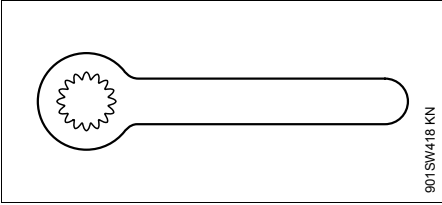


4246 890 4500 Puller  
Set of screws (1)  
4246

5910 007 1001

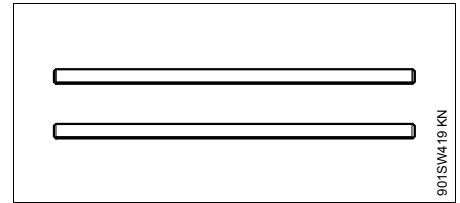


4246 893 1300 Wrench  
4246

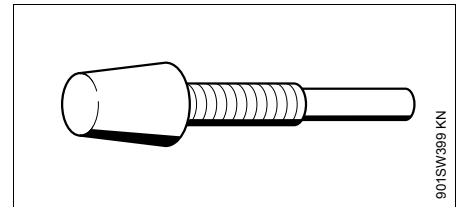


**4246 893 7800 Locking pin**

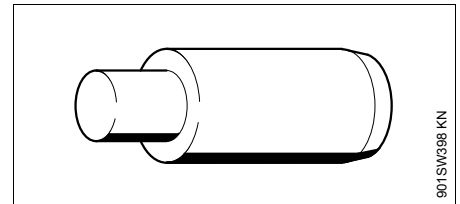
4246

**4249 893 1100 Installing mandrel**

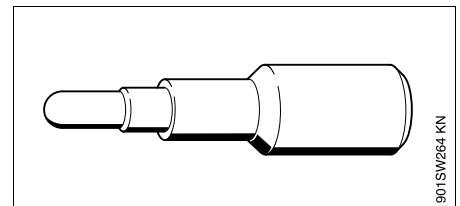
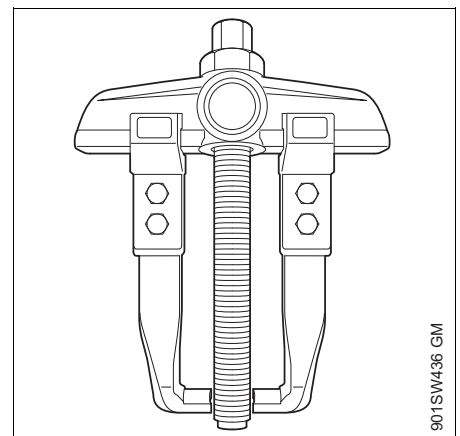
4249

**4249 893 9400 Centering pin**

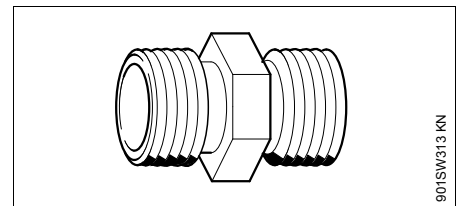
4249

**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**4704 701 6510 Connector**

4751, 4770, 4771

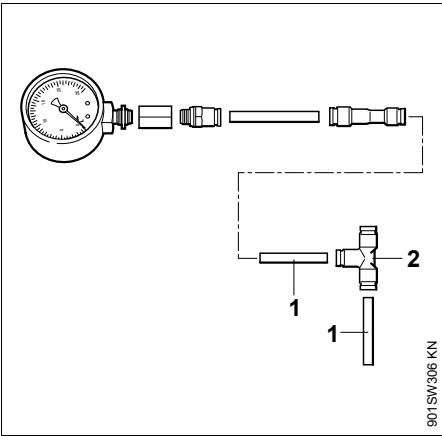


4712 850 3200 Pressure gauge

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

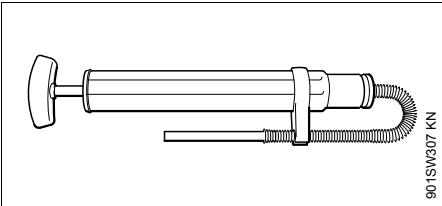
4706, 4707, 4724, 4735, 4736

4770 855 6000  
4770 855 6100



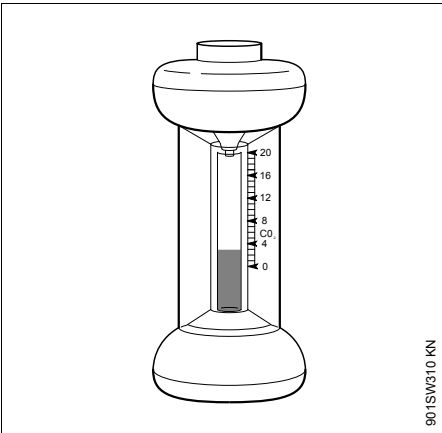
4712 850 3400 Smoke spot pump

4706, 4707, 4724, 4735, 4736



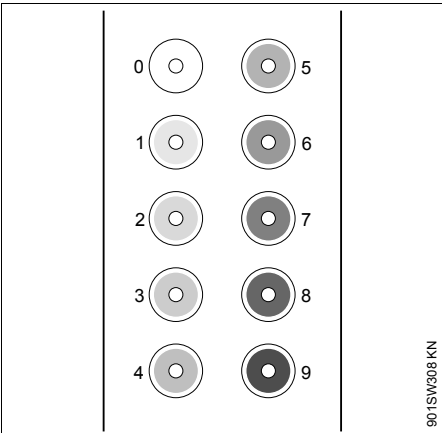
4712 850 7000 CO2 analyzer

4706, 4707, 4724, 4735, 4736



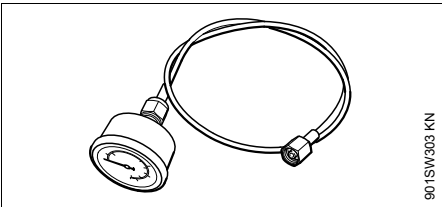
4712 855 3500 Smoke spot scale

4706, 4707, 4724, 4735, 4736



4724 512 0500 Pressure gauge

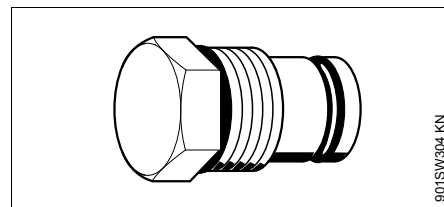
4751, 4752, 4759, 4770, 4771



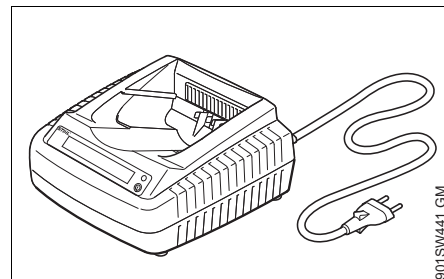


**4735 890 3300 Screw plug**

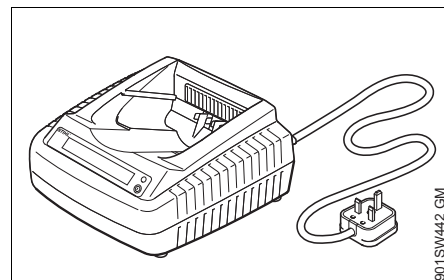
4735, 4736

**4850 840 0100 Battery analyzer ADG 1 Europe**

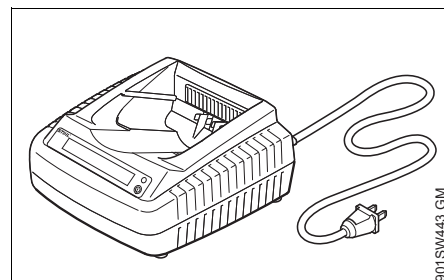
1250, 4247, 4851, 4852, 4853

**4850 840 0101 Battery analyzer ADG 1 GB**

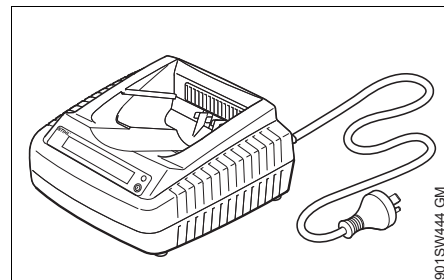
1250, 4247, 4851, 4852, 4853

**4850 840 0102 Battery analyzer ADG 1 USA**

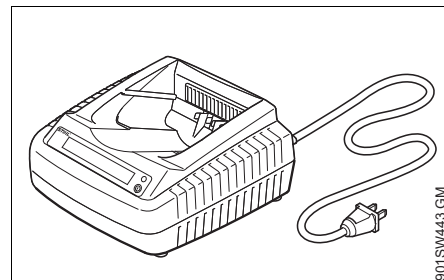
1250, 4247, 4851, 4852, 4853

**4850 840 0103 Battery analyzer ADG 1 AUS, NZ**

1250, 4247, 4851, 4852, 4853

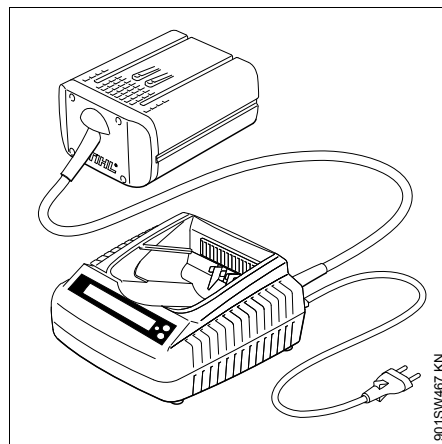
**4850 840 0104 Battery analyzer ADG 1 CDN**

1250, 4247, 4851, 4852, 4853

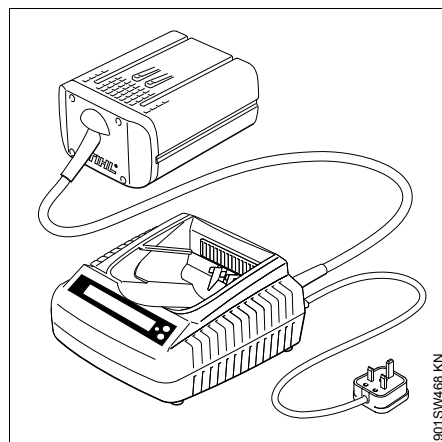


**4850 840 0200 Diagnostic unit ADG 2 Europe**

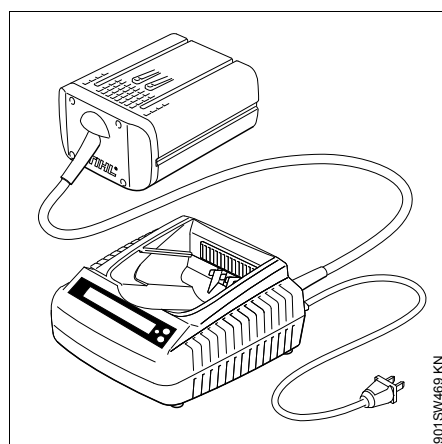
1250, 4852, 4853

**4850 840 0201 Diagnostic unit ADG 2 GB**

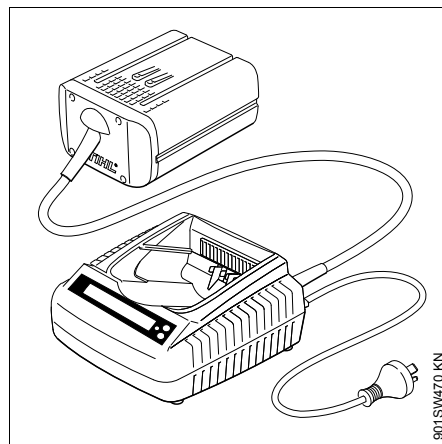
1250, 4852, 4853

**4850 840 0202 Diagnostic unit ADG 2 USA**

1250, 4852, 4853

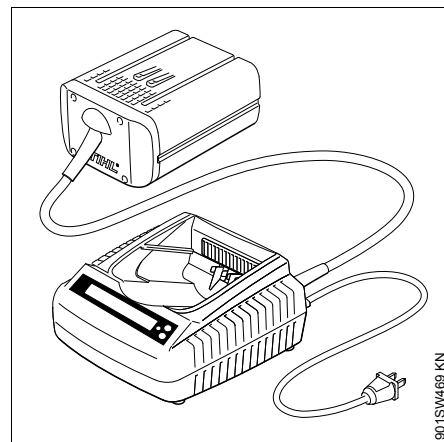
**4850 840 0203 Diagnostic unit ADG 2 AUS, NZ**

1250, 4852, 4853



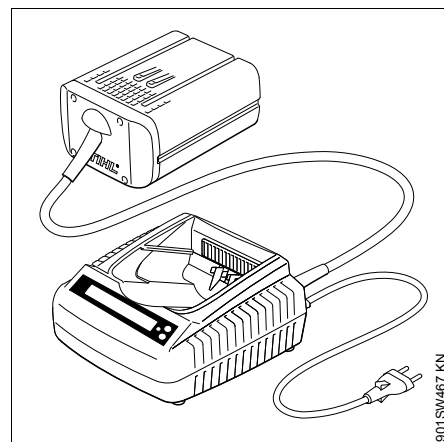
**4850 840 0204 Diagnostic unit ADG 2 CDN**

1250, 4852, 4853



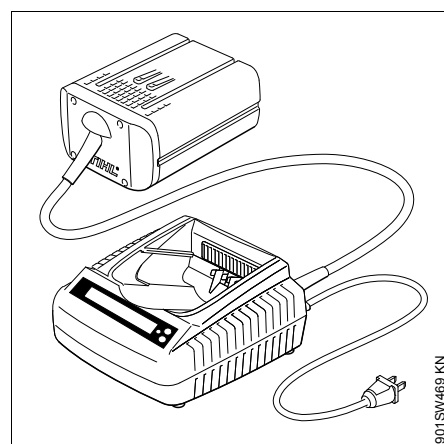
**4850 840 0205 Diagnostic unit ADG 2 Europe**

1250, 4852, 4853



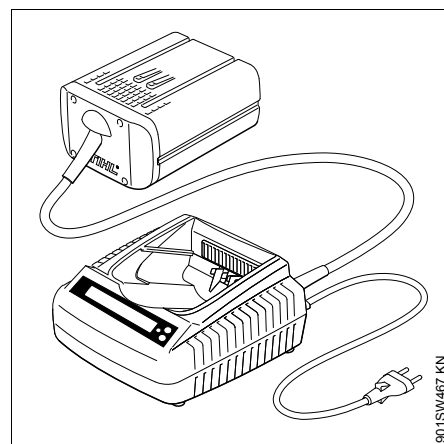
**4850 840 0206 Diagnostic unit ADG 2 J**

1250, 4852, 4853



**4850 840 0207 Diagnostic unit ADG 2 RUS**

1250, 4852, 4853

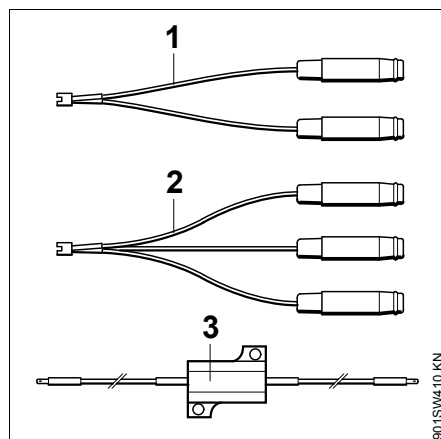


**5910 007 1500 Set of testing tools**

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

5910 840 0900  
5910 840 0901  
5910 843 0200

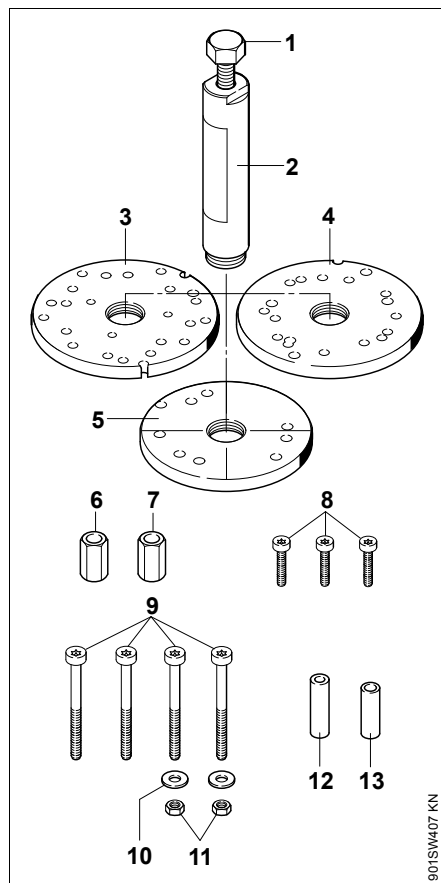
4851

**5910 007 2200 Service tool ZS**

- 1 Spindle ZS (1)
- 2 Screw sleeve (1)
- 3 Drilled plate (1)
- 4 Drilled washer (1)
- 5 Drilled washer (1)
- 6 Screw sleeve (1)
- 7 Screw sleeve (1)
- 8 Spline screw IS-M4x25 (3)
- 9 Spline screw IS-M5x72 (4)
- 10 Washer 5.3 (2)
- 11 Hexagon nut M5 (2)
- 12 Sleeve (1)
- 13 Sleeve (1)

5910 893 8505  
5910 890 1800  
5910 893 2101  
5910 893 2102  
5910 893 2103  
5910 893 2420  
5910 893 2421  
9022 313 0740  
9022 341 1190  
9307 021 0120  
9210 260 0700  
5910 893 1702  
5910 893 1701

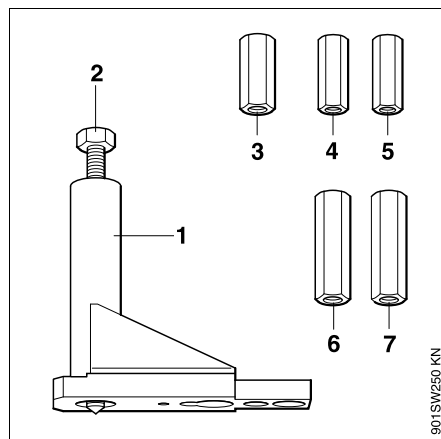
1118, 1122, 1124, 1125, 1128, 1135, 1140, 4128, 4134, 4137, 4138,  
4146, 4147, 4223, 4224, 4238

**5910 007 2205 Service tool AS**

- 1 Service tool AS (1)
- 2 Spindle AS (1)
- 3 Screw sleeve (1)
- 4 Screw sleeve (1)
- 5 Screw sleeve (1)
- 6 Screw sleeve (1)
- 7 Screw sleeve (1)

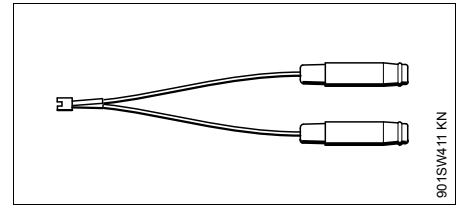
5910 890 2205  
5910 893 8500  
5910 893 2405  
5910 893 2406  
5910 893 2407  
5910 893 2408  
5910 893 2409

1118, 1119, 1122, 1124, 1125, 1128, 1129, 1135, 1138, 1140, 1141,  
1143, 4224

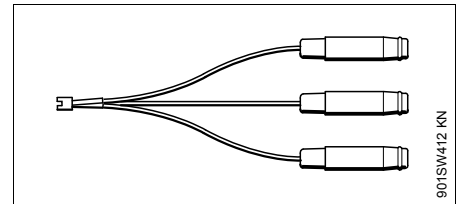


**5910 840 0900 Test lead switch lever**

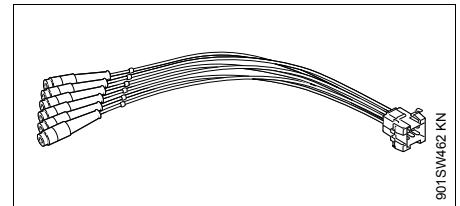
4851

**5910 840 0901 Test lead trigger switch**

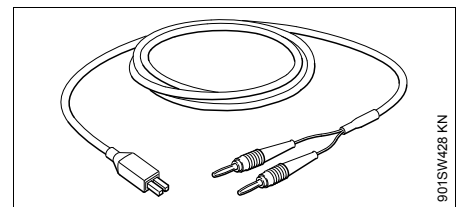
4851

**5910 840 0902 Control unit test cable**

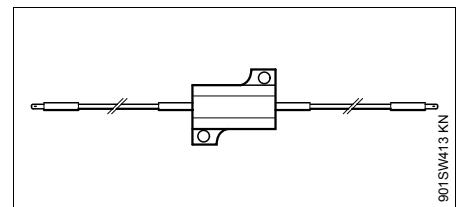
4128, 4134

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

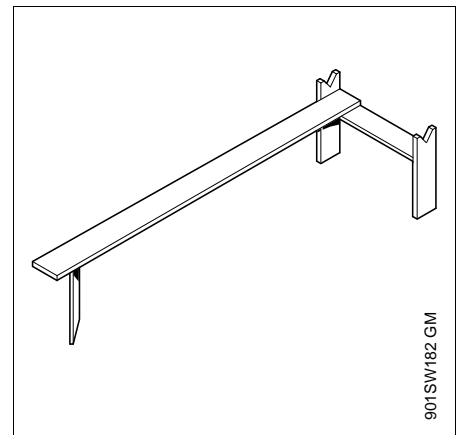
1138, 1143, 4147

**5910 843 0200 Laboratory resistor**

4851

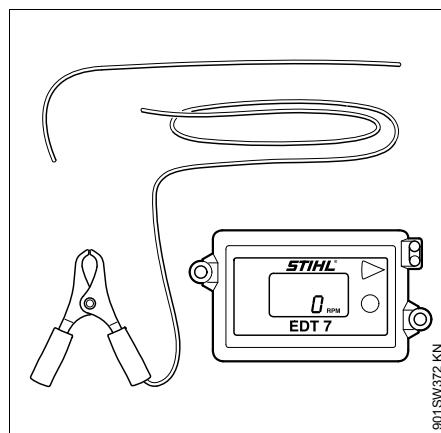
**5910 850 0400 Test jig**

4205



**5910 850 1008 Tachometer EDT 7**

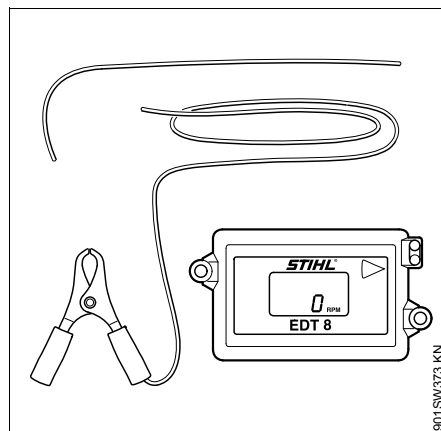
1106, 1114, 1115, 1118, 1119, 1121, 1122, 1123, 1124, 1125, 1127,  
1128, 1129, 1130, 1132, 1133, 1135, 1137, 1138, 1139, 4116, 4119,  
4126, 4128, 4130, 4133, 4134, 4135, 4137, 4138, 4140, 4146, 4147,  
4170, 4180, 4182, 4183, 4201, 4203, 4205, 4221, 4222, 4223, 4224,  
4226, 4227, 4228, 4229, 4230, 4232, 4237, 4238, 4245, 4249, 4280,  
4282, 4311, 4313, 4314, 4601, 4602



901SW372 KN

**5910 850 1009 Tachometer EDT 8**

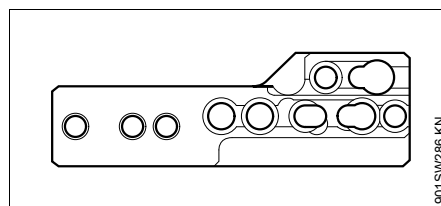
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1128, 1129, 1130, 1132, 1133, 1135, 1137, 1138, 1139, 4116, 4119,  
4126, 4128, 4130, 4133, 4134, 4135, 4137, 4138, 4140, 4146, 4147,  
4170, 4180, 4182, 4183, 4201, 4203, 4205, 4221, 4222, 4223, 4224,  
4226, 4227, 4228, 4229, 4230, 4232, 4237, 4238, 4245, 4249, 4280,  
4282, 4311, 4313, 4314, 4601, 4602



901SW373 KN

**5910 850 1650 Support**

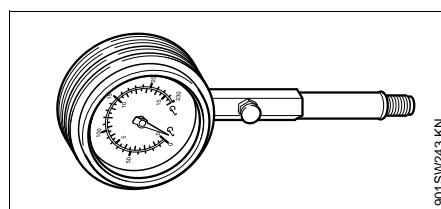
1124, 1138, 1139, 1140, 1141, 1143



901SW286 KN

**5910 850 2000 Compression tester**

4180, 4182, 4183, 4249, 4280, 4282

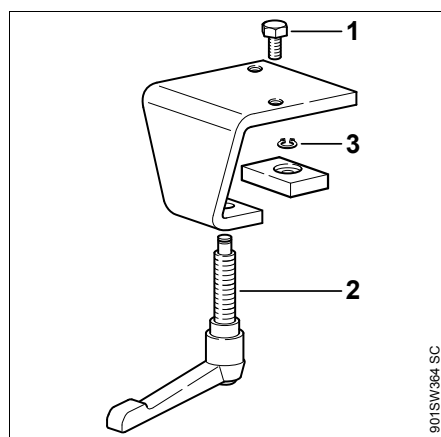


901SW243 KN

**5910 850 2100 Clamping plate**

- |                      |               |
|----------------------|---------------|
| 1 Hexagon head screw | 9008 319 2930 |
| M12x20 (2)           |               |
| 2 Clamp lever (1)    | 5910 890 1901 |
| 3 Circlip 10x1 (1)   | 9455 621 0850 |

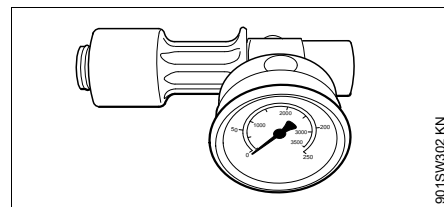
1106, 1114, 1115, 1118, 1119, 1121, 1122, 1123, 1124, 1125, 1127,  
1128, 1129, 1130, 1132, 1133, 1135, 1137, 1138, 1206, 1207, 1208,  
4116, 4126, 4128, 4133, 4134, 4135, 4137, 4138, 4140, 4146, 4147,  
4170, 4180, 4182, 4183, 4201, 4203, 4205, 4221, 4223, 4224, 4226,  
4227, 4232, 4237, 4249, 4601



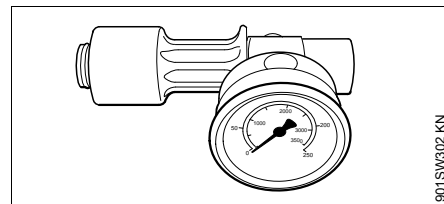
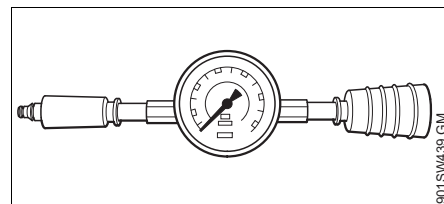
901SW364 SC

**5910 850 3201 Pressure gauge M24x1,5**

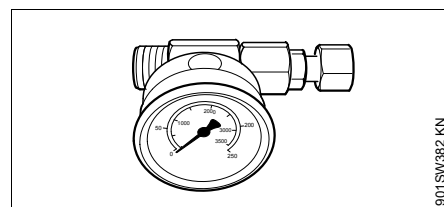
4753, 4757

**5910 850 3202 Pressure gauge M27x1,5**

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

**5910 850 3204 Pressure gauge**4738, 4740, 4741, 4743, 4744, 4754, 4755, 4756, 4765, 4766, 4767,  
4768, 4769, 4775**5910 850 3206 Pressure gauge**

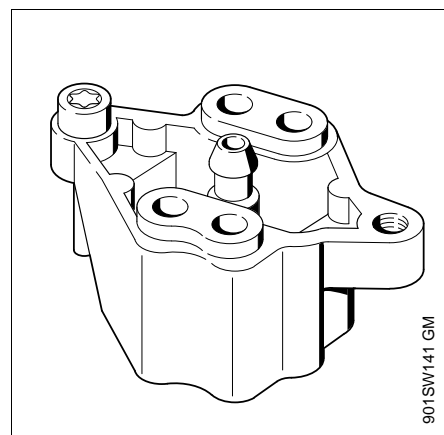
4753, 4757

**5910 850 4200 Flange**

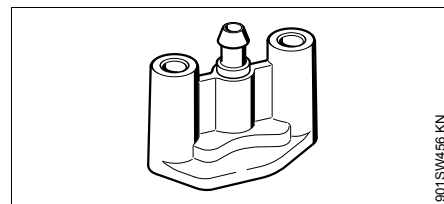
Screw M5x30 (1)

1128 855 9000

4139, 4144, 4241, 4244

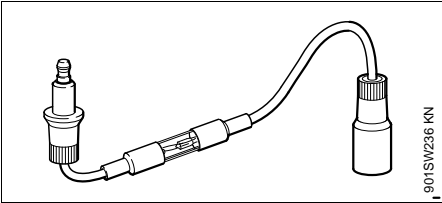
**5910 850 4201 Flange**

4147



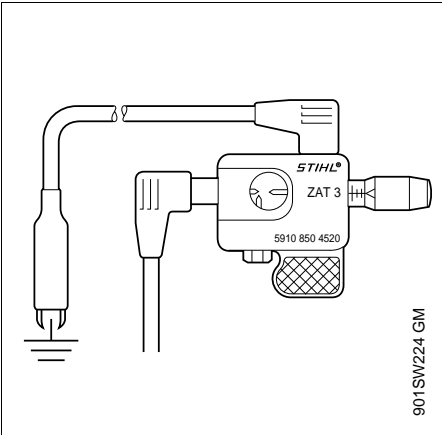
5910 850 4503 Ignition system tester, ZAT 4

1121, 1124, 1133, 1135, 1137, 1138, 1139, 1140, 1141, 1143, 4137, 4138, 4139, 4140, 4144, 4147, 4180, 4182, 4183, 4203, 4224, 4229, 4232, 4237, 4238, 4241, 4244, 4249, 4280, 4282, 4600, 4601, 4137, 4601, 4753, 4757



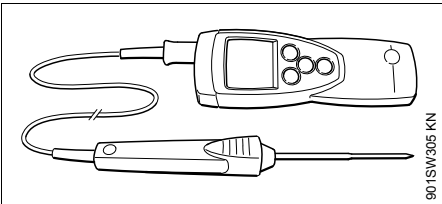
5910 850 4520 Ignition system tester, ZAT 3

1121, 1124, 1133, 1135, 1137, 1138, 1139, 1140, 1141, 1143, 4137, 4138, 4139, 4140, 4144, 4147, 4180, 4182, 4183, 4229, 4232, 4237, 4238, 4241, 4244, 4249, 4280, 4282, 4600, 4601, 4137, 4601



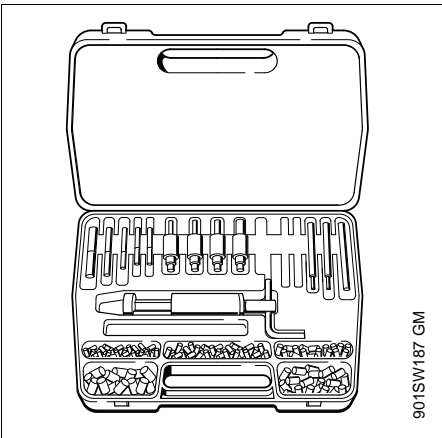
5910 850 5000 Thermometer

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



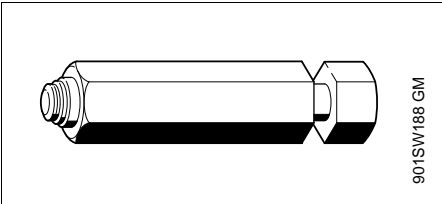
5910 850 5200 Installing tool for Heli-Coil inserts

- |                                   |               |
|-----------------------------------|---------------|
| Threaded insert M4x8 (10)         | 9795 003 0260 |
| Threaded insert M5x10 (10)        | 9795 003 0360 |
| Threaded insert M6x12 (10)        | 9795 003 0460 |
| Threaded insert M8x16 (10)        | 9795 003 0660 |
| Threaded insert M14x1.25x8.4 (10) | 9795 003 4610 |
| 1114, 1115                        |               |



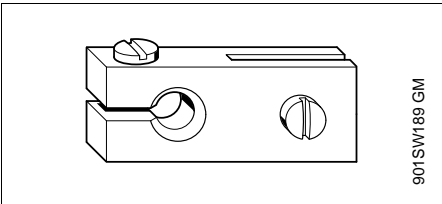
5910 850 5210 Installing tool for Gripp threaded inserts

1114, 1115



5910 850 6000 Dial gauge holder

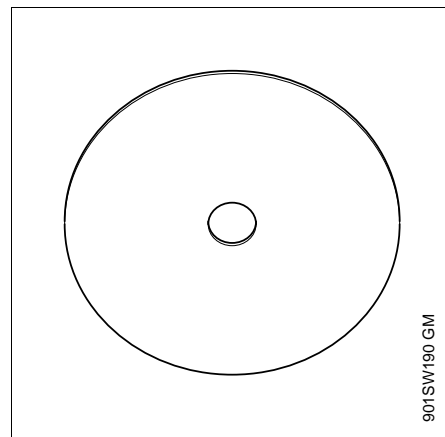
4201, 4205, 4221, 4223, 4224, 4238



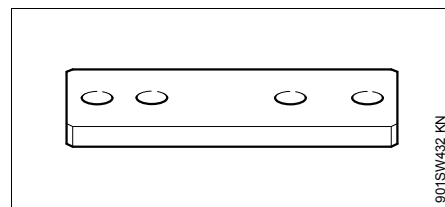


**5910 851 6100 Test disk**

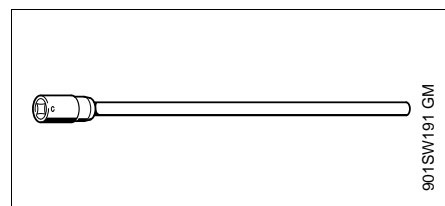
4201, 4205, 4221, 4223, 4224, 4238

**5910 855 4201 Flange**

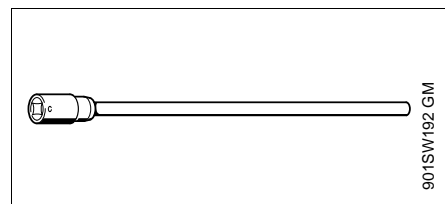
1141, 1143, 4224

**5910 890 0101 Socket, 4 mm**

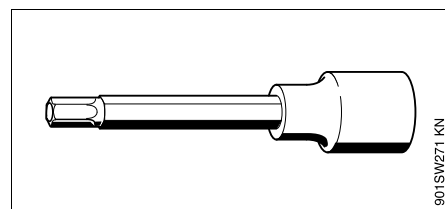
4205, 4211, 4213

**5910 890 0102 Socket, 5 mm**

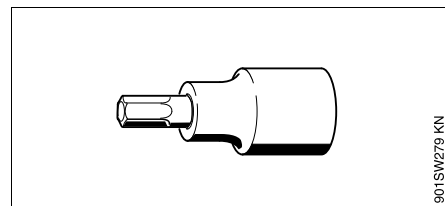
1106, 1109, 1106

**5910 890 0105 Socket, T45**

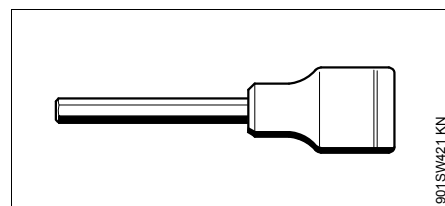
4314

**5910 890 0106 Socket, T50**

4116

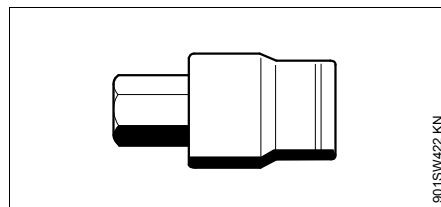
**5910 890 0107 Socket, 6 mm**

4246



**5910 890 0108 Socket, 19 mm**

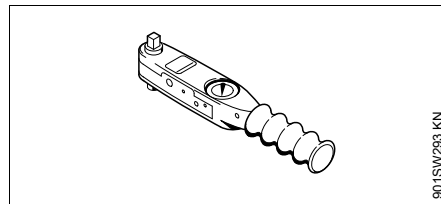
4246



901SW422 KN

**5910 890 0301 Torque wrench**

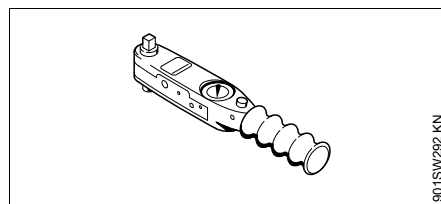
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901SW293 KN

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

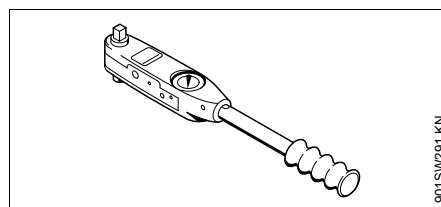
1106, 1109, 1106, 1114, 1115, 1119, 1121, 1122, 1123, 1124, 1125, 1127, 1128, 1129, 1130, 1132, 1133, 1135, 1137, 1138, 1139, 1140, 1141, 1143, 1206, 1207, 1208, 1250, 4113, 4116, 4126, 4126, 4135, 4113, 4128, 4133, 4134, 4134, 4128, 4135, 4137, 4138, 4139, 4140, 4144, 4146, 4147, 4170, 4180, 4182, 4201, 4203, 4205, 4213, 4221, 4222, 4223, 4224, 4226, 4227, 4228, 4229, 4230, 4232, 4237, 4238, 4241, 4244, 4245, 4246, 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, 4768, 4769, 4770, 4771, 4775, 4851, 4852, 4853



901SW292 KN

**5910 890 0311 Torque wrench**

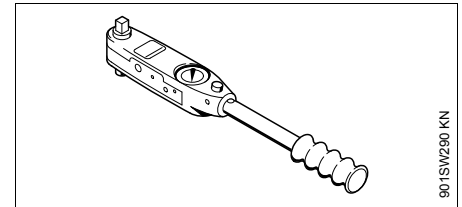
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901SW291 KN

**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, 1141, 1143, 1204, 1206,  
 1207, 1208, 1250, 4113, 4116, 4126, 4126, 4135, 4113, 4128, 4133,  
 4134, 4134, 4128, 4135, 4137, 4138, 4139, 4140, 4144, 4146, 4147,  
 4170, 4201, 4203, 4205, 4221, 4222, 4223, 4224, 4226, 4227, 4228,  
 4230, 4232, 4238, 4241, 4244, 4246, 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,  
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 4770, 4771, 4775, 4852, 4853

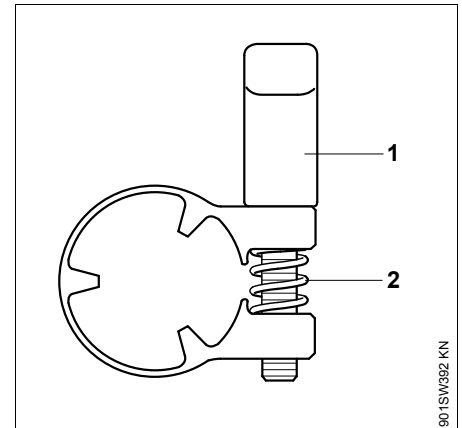


901SW290 KN

**5910 890 1100 Hose clamp**

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

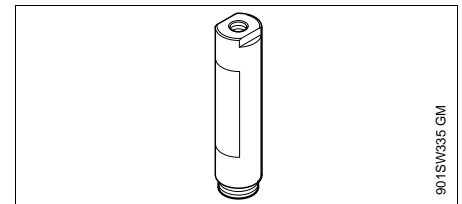
4139, 4144



901SW392 KN

**5910 890 1800 Screw sleeve**

1124, 1128, 1135, 4224

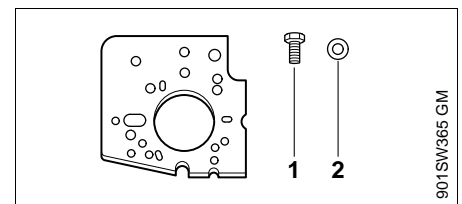


901SW335 GM

**5910 890 2100 Clamping plate**

1 Hexagon head screw M10x25 (1)	9008 319 2390
2 Washer 10.5 (1)	9291 021 0200

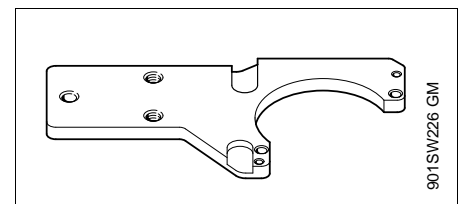
4116, 4126, 4133, 4135, 4137, 4138, 4203, 4226, 4227



901SW365 GM

**5910 890 2101 Clamping plate**

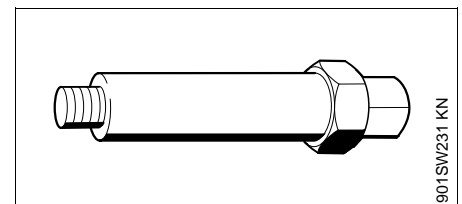
4128, 4134, 4134, 4128, 4146, 4147, 4211, 4213



901SW226 GM

**5910 890 2202 Installing tool**

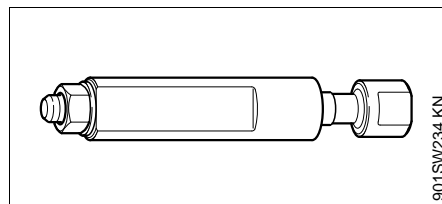
4126, 4135, 4113, 4128, 4134, 4134, 4128, 4137, 4138, 4146, 4147,  
 4246, 4600, 4601, 4137



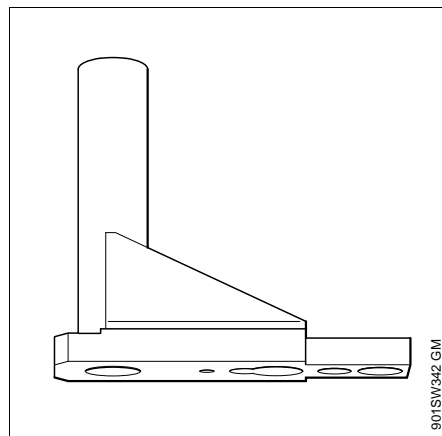
901SW231 KN

**5910 890 2204 Installing tool**

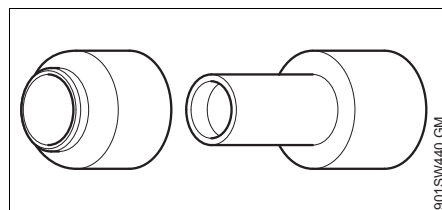
4139, 4140, 4144, 4180, 4228, 4229, 4232, 4237, 4241, 4314, 4601

**5910 890 2205 Service tool AS**

1121, 1124, 4205

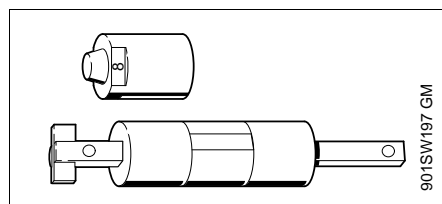
**5910 890 2207 Installing tool**

4765, 4766, 4767

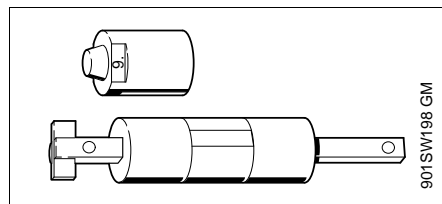
**5910 890 2208 Installing tool, 8**

Sleeve (1)

5910 893 1708

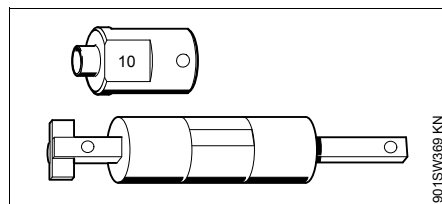
1130, 4126, 4126, 4135, 4113, 4133, 4135, 4137, 4138, 4139, 4144,  
4180, 4182, 4183, 4211, 4213, 4226, 4227, 4237, 4241, 4249, 4280,  
4600, 4601, 4137**5910 890 2209 Installing tool, 9**

1129, 4180, 4182

**5910 890 2210 Installing tool, 10**

Sleeve (1)

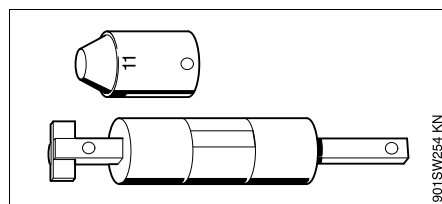
5910 893 1707

1121, 1123, 1125, 1127, 1128, 1133, 1137, 1139, 1141, 1143, 4116,  
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4203, 4222, 4223, 4238, 4246, 4311**5910 890 2211 Installing tool, 11**

Sleeve (1)

5910 893 1709

1135, 4147

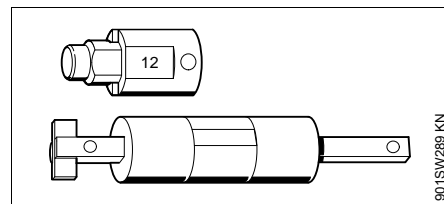


**5910 890 2212 Installing tool, 12**

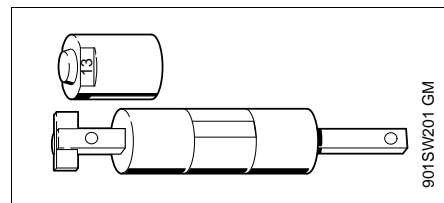
Sleeve (1)

5910 893 1706

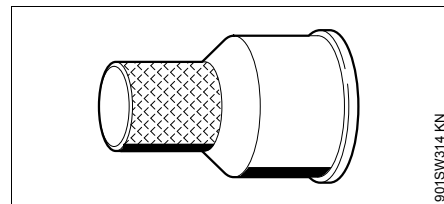
1119, 1122, 1128, 1138, 1140, 4221, 4224, 4244, 4282

**5910 890 2213 Installing tool, 13**

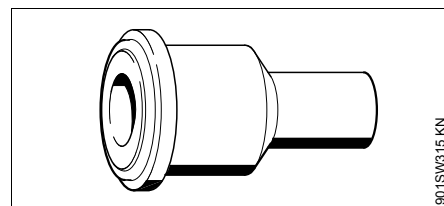
1124

**5910 890 2215 Installing tool**

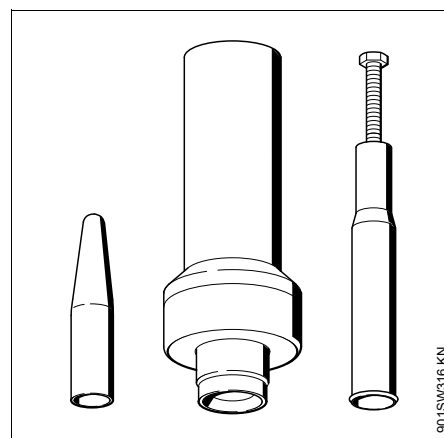
4752, 4759

**5910 890 2216 Installing tool**

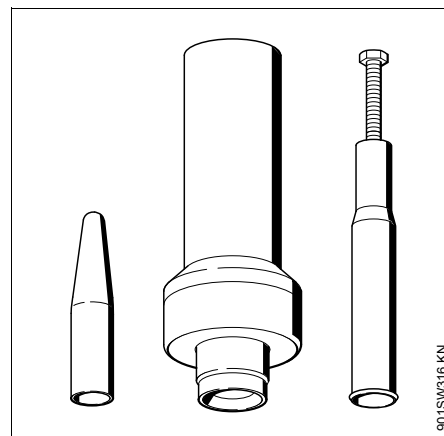
4751, 4770, 4771

**5910 890 2217 Installing tool**

4752, 4759

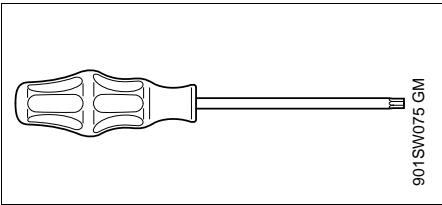
**5910 890 2218 Installing tool**

4751, 4770, 4771



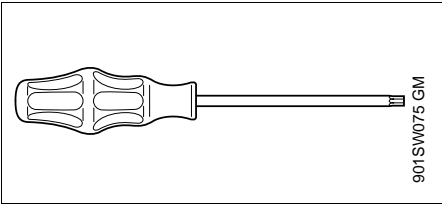
5910 890 2301 Screwdriver, T20

1129, 1137, 1206, 1207, 1208, 4116, 4128, 4134, 4134, 4128, 4137, 4138, 4146, 4147, 4170, 4180, 4182, 4183, 4246, 4249, 4280, 4768, 4769, 4775, 4851



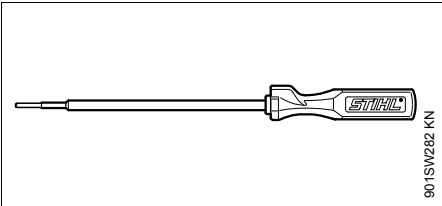
5910 890 2302 Screwdriver, T27x150

1129



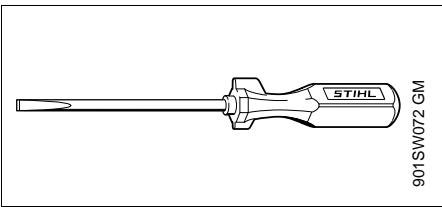
5910 890 2304 Screwdriver

1121, 1122, 1124, 1127, 1128, 1133, 1135, 1138, 1139, 1140, 4116, 4203



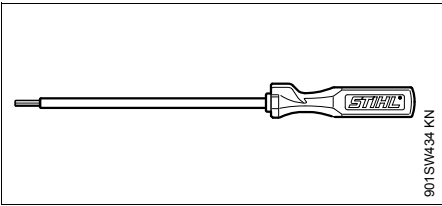
5910 890 2305 Screwdriver

1121, 1129, 1139, 4139, 4144, 4241, 4244



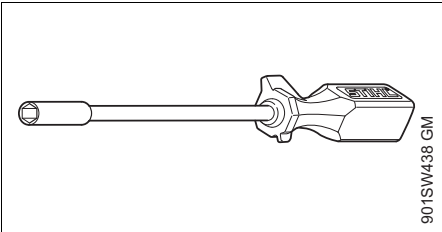
5910 890 2306 Screwdriver

1141, 1143



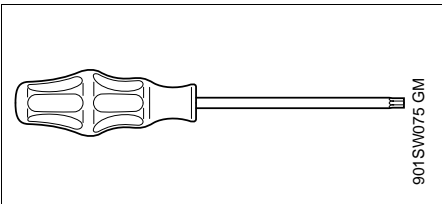
5910 890 2307 Screwdriver

4147, 4282



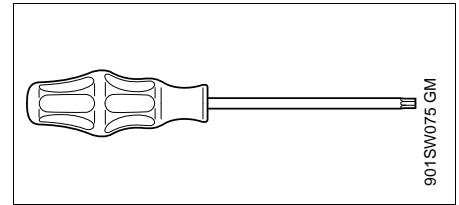
5910 890 2308 Screwdriver, T10

4743, 4744, 4754, 4755, 4756, 4765, 4766, 4767, 4768, 4769, 4775

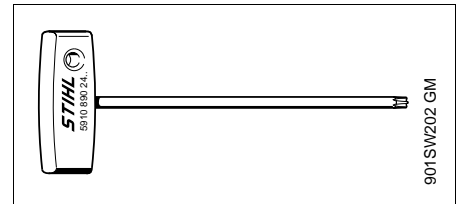


**5910 890 2309 Screwdriver, T15**

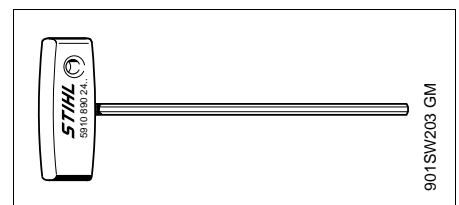
4768, 4769

**5910 890 2400 Screwdriver, T27x150**

1119, 1121, 1122, 1123, 1124, 1125, 1127, 1128, 1129, 1130, 1132,  
 1135, 1139, 1140, 1141, 1143, 1208, 1250, 4116, 4126, 4126, 4135,  
 4113, 4128, 4133, 4134, 4134, 4128, 4135, 4137, 4138, 4139, 4140,  
 4144, 4146, 4147, 4170, 4201, 4203, 4205, 4221, 4223, 4226, 4227,  
 4228, 4229, 4230, 4232, 4238, 4241, 4246, 4311, 4313, 4314, 4600,  
 4601, 4851, 4852, 4853

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

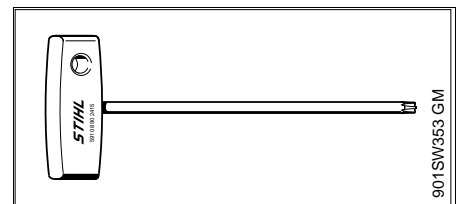
4116, 4205, 4211, 4213

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

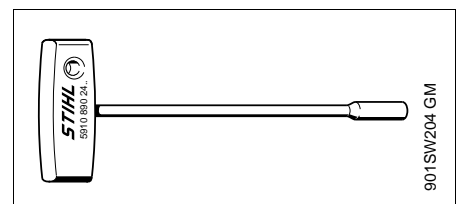
4205

**5910 890 2415 Screwdriver, T27x200**

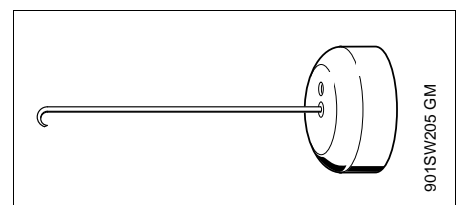
4244, 4282, 4705, 4710, 4706, 4707, 4722, 4724

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

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

**5910 890 2800 Assembly hook**

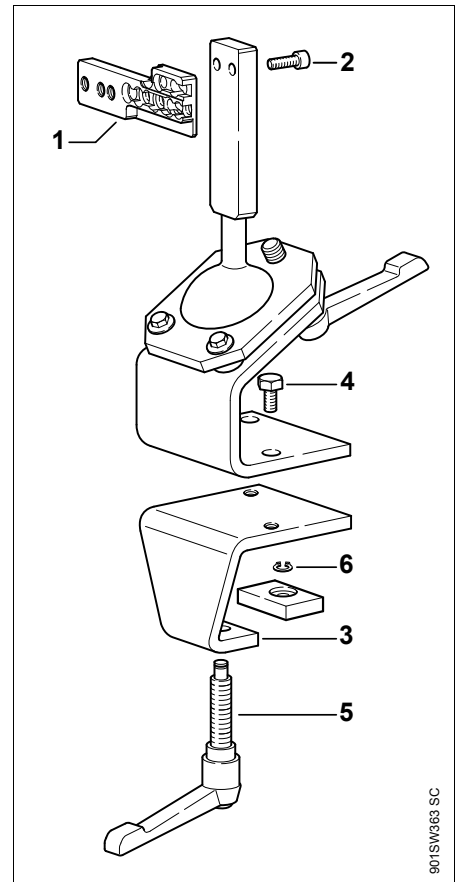
1118, 1119, 1121, 1124, 1125, 1127, 1128, 1129, 1135, 1137, 1138,  
 1139, 1140, 1141, 1143, 4116, 4119, 4133, 4137, 4138, 4139, 4140,  
 4144, 4211, 4213, 4221, 4224, 4226, 4228, 4232, 4238, 4249, 4314,  
 4601, 4703, 4705, 4710, 4706, 4707, 4717, 4717, 4718, 4722, 4724,  
 4735



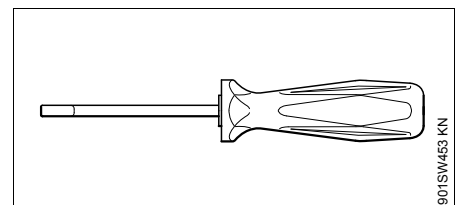
**5910 890 3101 Assembly stand**

- |   |                                  |               |
|---|----------------------------------|---------------|
| 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, 1141,  
1143, 1206, 1207, 4116, 4126, 4128, 4133, 4134, 4134, 4128, 4135,  
4137, 4138, 4140, 4146, 4147, 4170, 4180, 4183, 4203, 4205, 4211,  
4213, 4221, 4223, 4224, 4226, 4227, 4232, 4237, 4238, 4249, 4600,  
4601, 4137, 4601

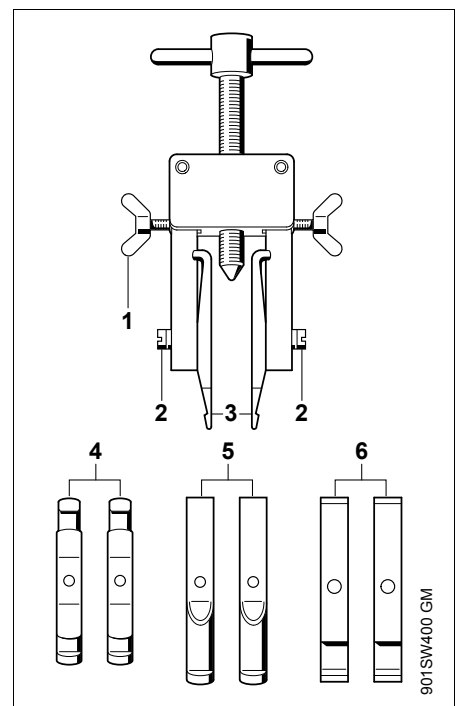
**5910 890 4000 Punchdown tool**

1143

**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 |

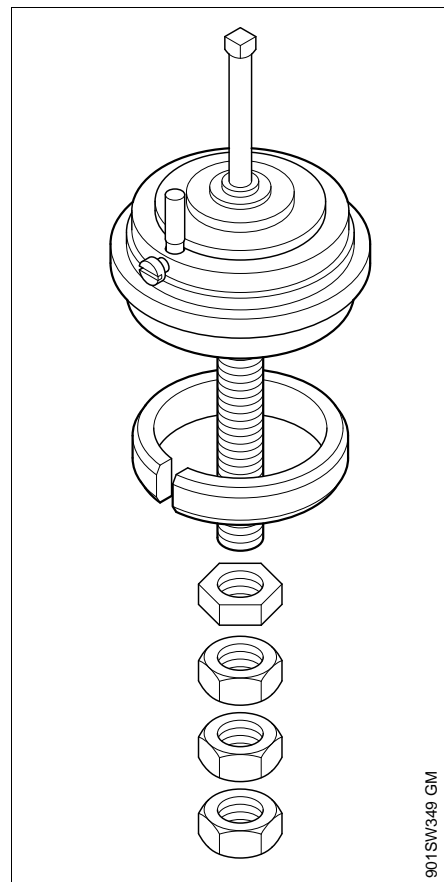
1121, 1123, 1124, 1125, 1132, 1135, 1137, 1138, 1139, 1140, 1141,  
1143, 4116, 4126, 4135, 4113, 4128, 4134, 4134, 4128, 4137, 4138,  
4139, 4140, 4144, 4146, 4147, 4180, 4182, 4183, 4203, 4205, 4224,  
4226, 4227, 4229, 4230, 4232, 4237, 4238, 4241, 4246, 4249, 4280,  
4282, 4600, 4601, 4137, 4601





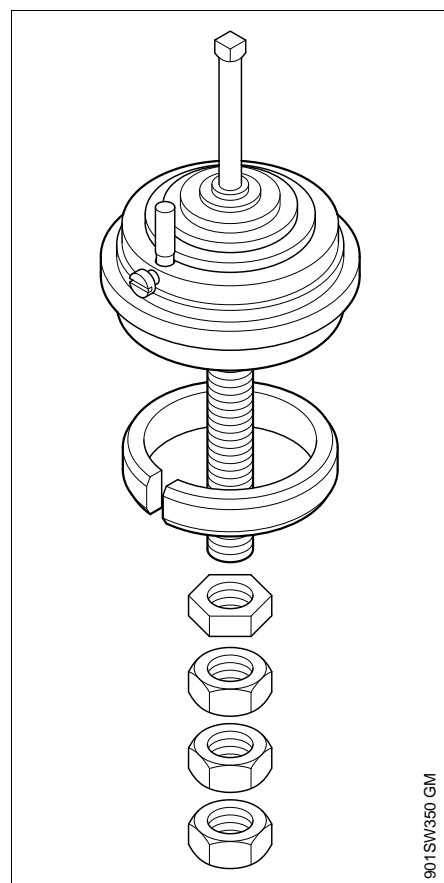
**5910 890 4401 Puller**

4119, 4128, 4134, 4147

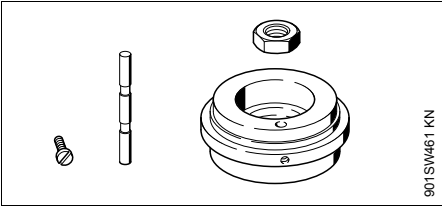


**5910 890 4402 Puller**

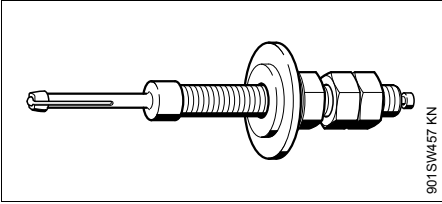
4116



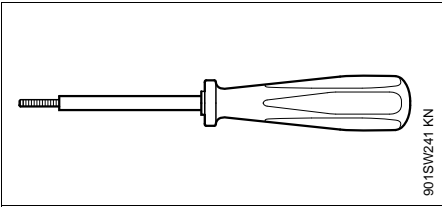
5910 890 4407 Puller  
4147



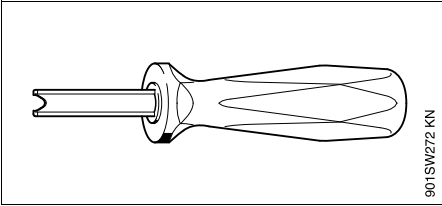
5910 890 4408 Puller  
4147



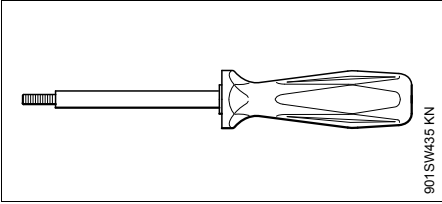
5910 890 4500 Puller  
1122, 1124, 1127, 1133, 1135, 1138, 1139, 1140, 4116, 4140, 4144,  
4203, 4205



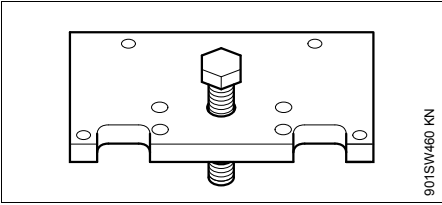
5910 890 4501 Puller  
1137, 4139, 4144, 4180, 4182, 4183, 4237, 4238, 4241, 4244, 4249,  
4280



5910 890 4502 Puller  
1141, 1143

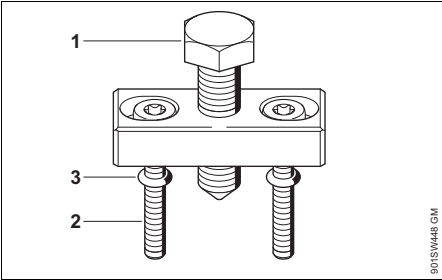


5910 890 4503 Puller  
4147



5910 890 4504 Puller  
1 Hexagon head screw (1)  
2 Spline screw  
IS-M5x35 (2)  
3 O-ring 4x2 (2)  
1135, 1138, 1140, 1141, 1143, 4238

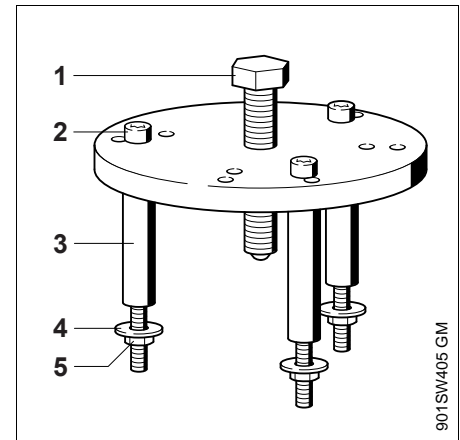
0000 951 0900  
9022 341 1080  
9646 945 0160



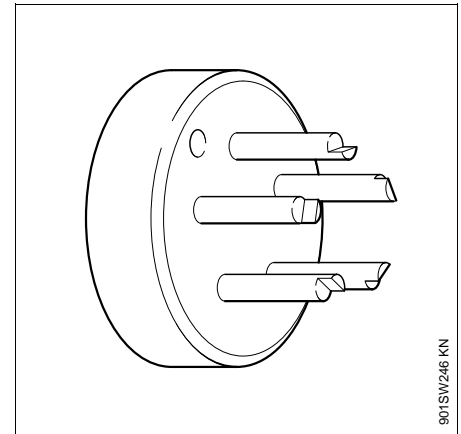
**5910 890 4601 Removing tool**

- 1 Hexagon head screw M10x55 (1)
  - 2 Socket head screw M5x75 (3)
  - 3 Sleeve (3)
  - 4 Washer 5.3 (3)
  - 5 Hexagon nut M5 (3)
- 4203, 4237

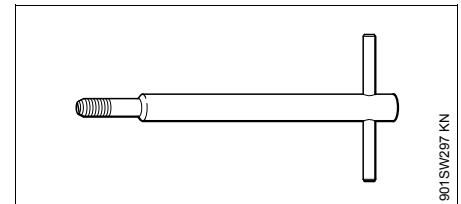
0000 951 0920  
 9045 346 1150  
 1123 851 8300  
 9307 021 0120  
 9210 260 0700

**5910 890 4602 Removing tool**

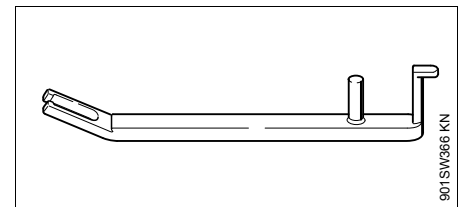
4180, 4182, 4183, 4249, 4280

**5910 890 6500 Removing tool M8**

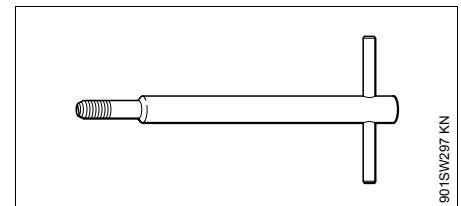
4743, 4744, 4765, 4766, 4767, 4768, 4769

**5910 890 6501 Removing tool**

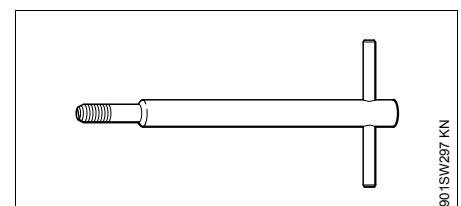
4747, 4748, 4751, 4752, 4759, 4770, 4771

**5910 890 6504 Removing tool M4**

4775

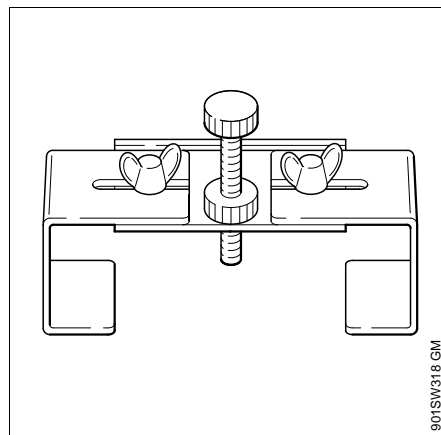
**5910 890 6506 Removing tool M6**

4768, 4769, 4775

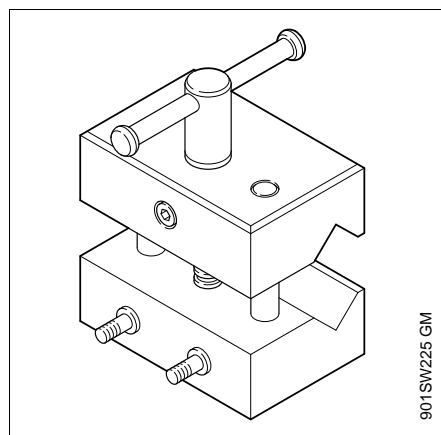


**5910 890 8500 Tensioning clip**

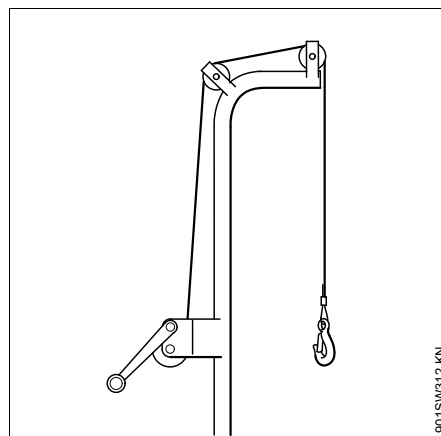
1118, 1119

**5910 890 8800 Tensioner**

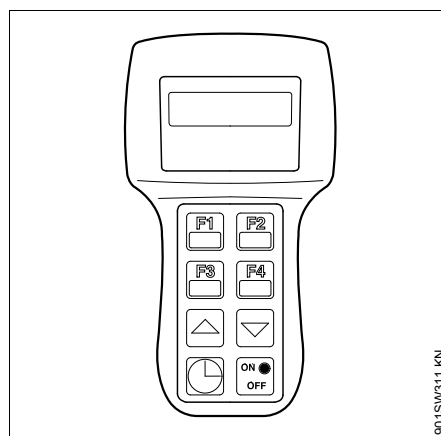
4116, 4128, 4134, 4134, 4128, 4140, 4146, 4147, 4170, 4180, 4232, 4601

**5910 890 9500 Crane**

4751, 4752, 4759, 4770, 4771

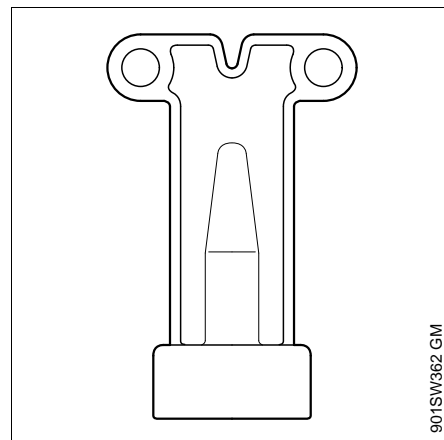
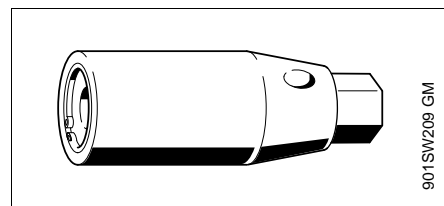
**5910 890 9600 Data reader**

4751, 4752, 4759, 4770, 4771

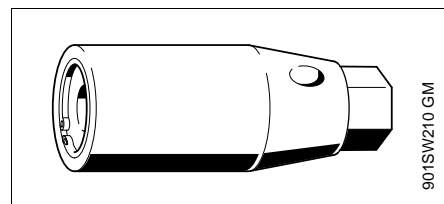


**5910 893 0300 Tensioning wrench**

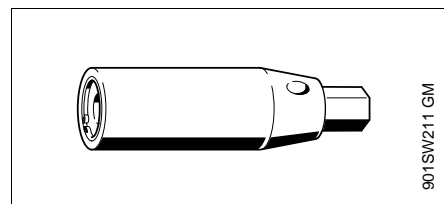
4140, 4232, 4601

**5910 893 0501 Stud puller, M8**1118, 1119, 1121, 1122, 1123, 1125, 1127, 1128, 1129, 1130, 1132,  
1133, 1135, 1137, 1138, 1139, 1140, 1141, 1143, 1207, 4134, 4138,  
4139, 4142, 4182, 4238, 4810**5910 893 0506 Stud puller, M10**

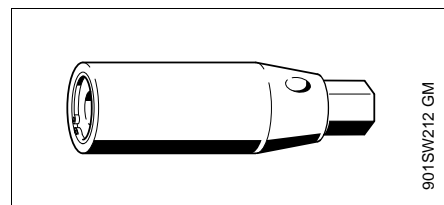
1106, 1109, 1106, 1124

**5910 893 0510 Stud puller, M5**

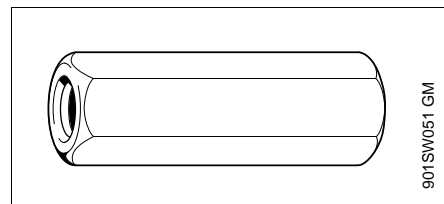
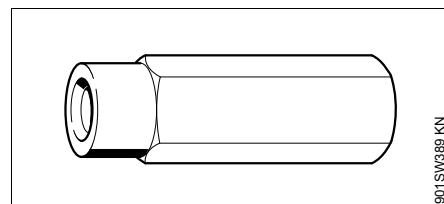
4205

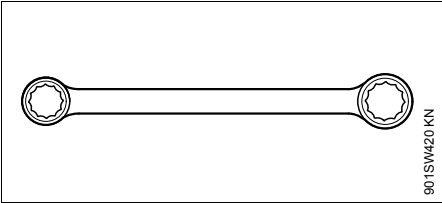
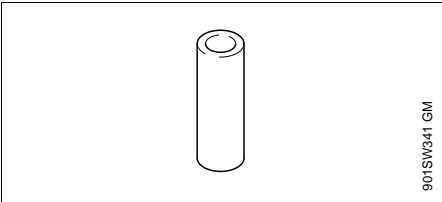
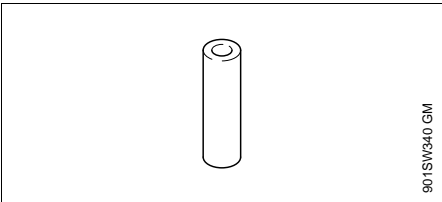
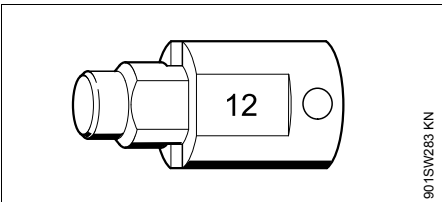
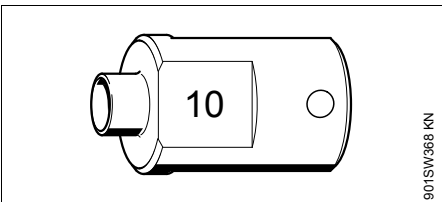
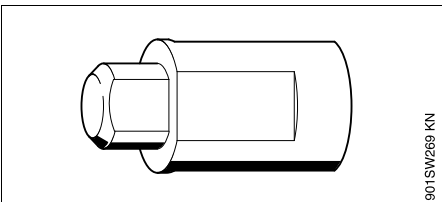
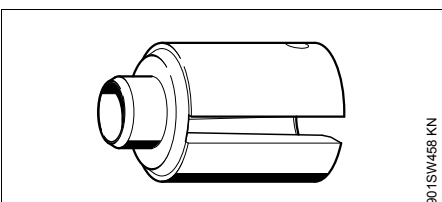
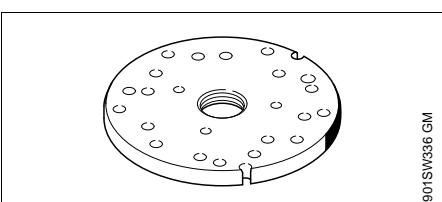
**5910 893 0515 Stud puller, M6**

1106, 1109, 1106, 4205

**5910 893 0800 Puller**

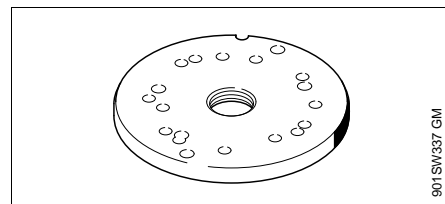
4139, 4144

**5910 893 0801 Puller**1123, 1127, 1129, 1130, 1133, 1137, 1139, 1143, 4221, 4223, 4237,  
4241, 4244, 4282

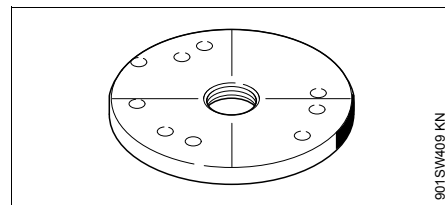
<div>5910 893 1300 Wrench 10x11</div> <div>4246</div>	 <div>901SW420 KN</div>
<div>5910 893 1701 Sleeve</div> <div>1141, 1143, 4137, 4138, 4600, 4601, 4137</div>	 <div>901SW341 GM</div>
<div>5910 893 1702 Sleeve</div> <div>4137, 4138, 4600, 4601, 4137</div>	 <div>901SW340 GM</div>
<div>5910 893 1706 Sleeve</div> <div>1138, 4224, 4244, 4282</div>	 <div>901SW283 KN</div>
<div>5910 893 1707 Sleeve</div> <div>1139, 1143, 4238</div>	 <div>901SW368 KN</div>
<div>5910 893 1708 Sleeve</div> <div>1130, 4113, 4126, 4133, 4135, 4137, 4138, 4139, 4144, 4180, 4182, 4183, 4226, 4227, 4237, 4241, 4249, 4280</div>	 <div>901SW269 KN</div>
<div>5910 893 1709 Sleeve</div> <div>4147</div>	 <div>901SW458 KN</div>
<div>5910 893 2101 Drilled plate</div> <div>1115, 1118, 1119, 1121, 1122, 1124, 1125, 1128, 1135, 1138</div>	 <div>901SW336 GM</div>

**5910 893 2102 Drilled washer**

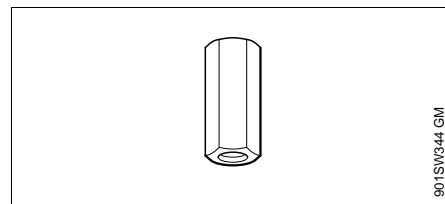
4128, 4134, 4137, 4146, 4147, 4223, 4224, 4226, 4227, 4600

**5910 893 2103 Drilled washer**

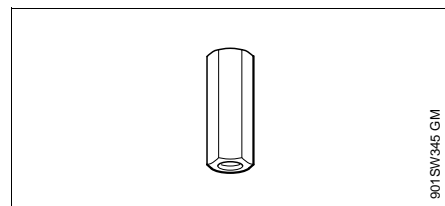
1140, 1141, 1143

**5910 893 2405 Screw sleeve**

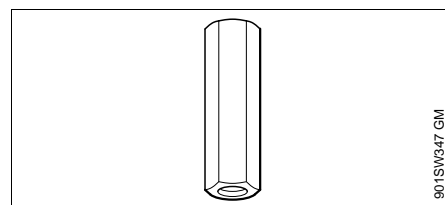
4205

**5910 893 2406 Screw sleeve**

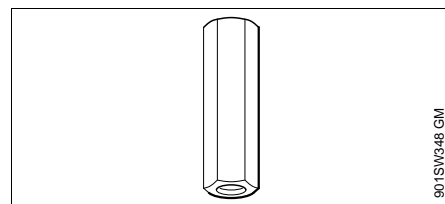
1124

**5910 893 2408 Screw sleeve**

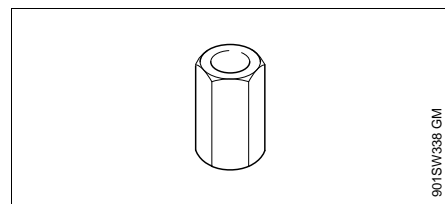
1124

**5910 893 2409 Screw sleeve**

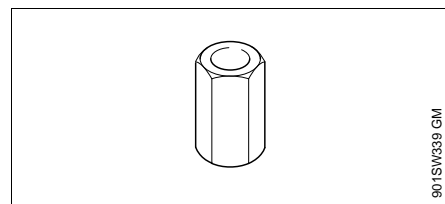
1121, 1124, 1128, 1135, 1140, 1141, 1143

**5910 893 2420 Screw sleeve**

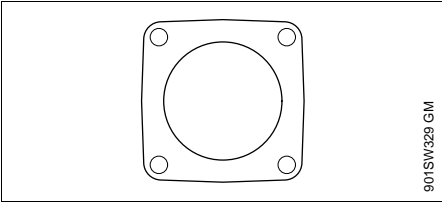
1128, 1138, 1140, 1141, 1143, 4205, 4223

**5910 893 2421 Screw sleeve**

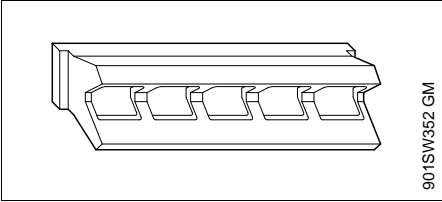
1121, 1124, 4224



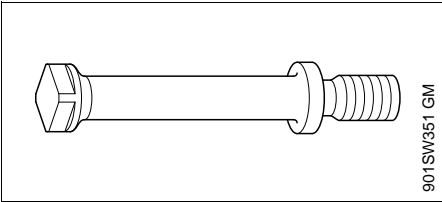
5910 893 2500 Flange  
4126, 4135



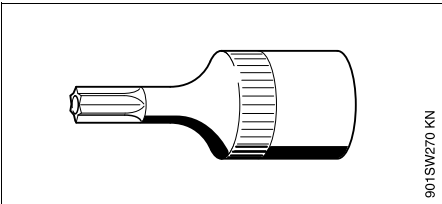
5910 893 2700 Clamping jaws  
4116, 4128, 4134, 4134, 4128, 4146, 4147, 4170, 4313



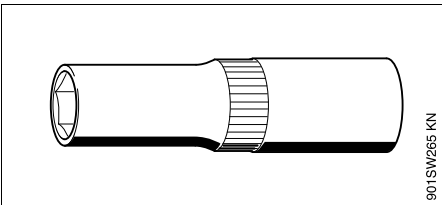
5910 893 2800 Assembly drift  
4703, 4717, 4717, 4718



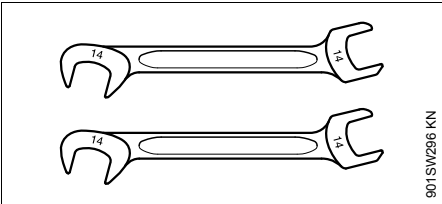
5910 893 2803 Socket, T20  
4224



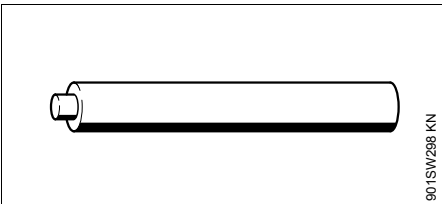
5910 893 2804 Socket, 13 mm, long reach  
1121, 1138, 1139, 1140, 1141, 4224, 4238



5910 893 3100 Open-end wrench  
4743, 4744



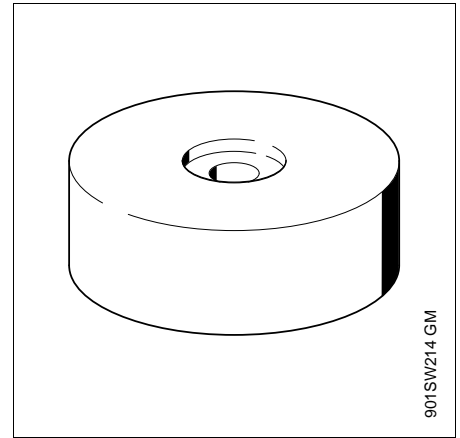
5910 893 4700 Assembly drift  
4743, 4744



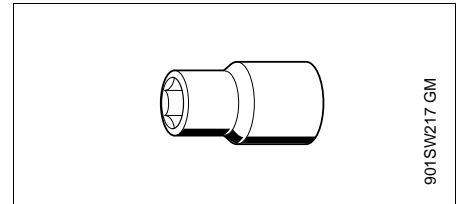


**5910 893 5100 Installing plate**

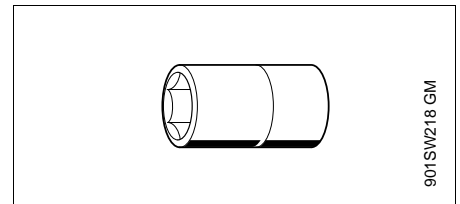
1124

**5910 893 5608 Socket, 13 mm**

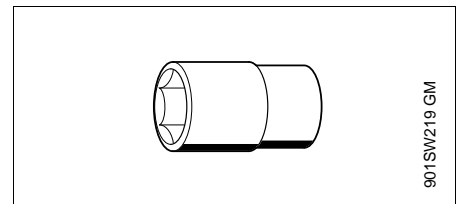
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1132, 1133, 1135, 1137, 1139, 4116, 4126, 4126, 4135, 4113, 4128,  
4133, 4134, 4134, 4128, 4135, 4137, 4138, 4146, 4147, 4180, 4182,  
4183, 4201, 4203, 4205, 4221, 4222, 4223, 4226, 4227, 4238, 4241,  
4244, 4246, 4249, 4280, 4282, 4311

**5910 893 5610 Socket, 17 mm**

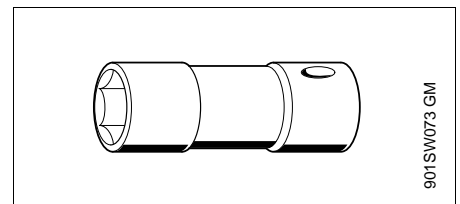
1106, 1109, 1106, 1124, 4201, 4221, 4282

**5910 893 5612 Socket, 19 mm**

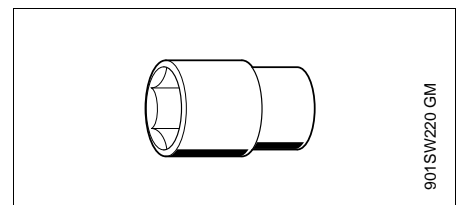
1122, 1123, 1125, 1127, 1128, 1130, 4205

**5910 893 5613 Socket, S19x12.5L**

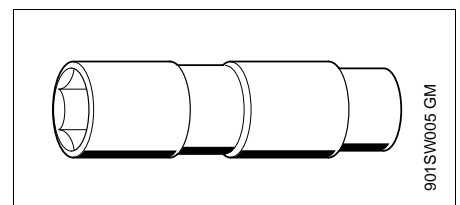
1118, 1119, 1121, 1123, 1128, 1129, 1135, 1139, 4223, 4238

**5910 893 5615 Socket, 21 mm**

1114, 1124

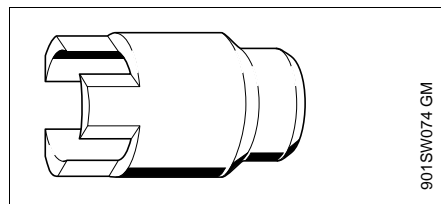
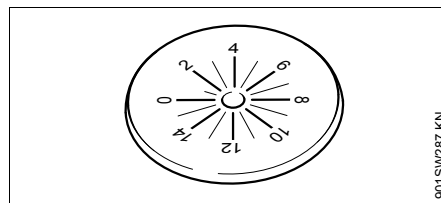
**5910 893 5616 Socket, 21 mm, long reach**

4221

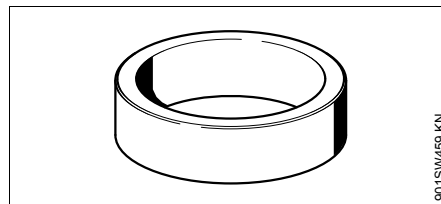


**5910 893 5625 Socket**

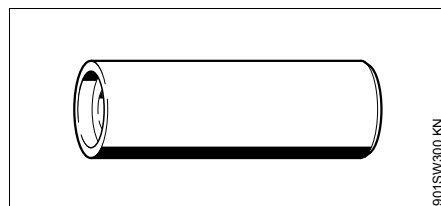
4205

**5910 893 6600 Setting disk**
 1121, 1122, 1124, 1127, 1128, 1129, 1132, 1133, 1135, 1138, 1139,  
 1140, 1141, 1143, 4116, 4139, 4144, 4203, 4241, 4244
**5910 893 7005 Ring**

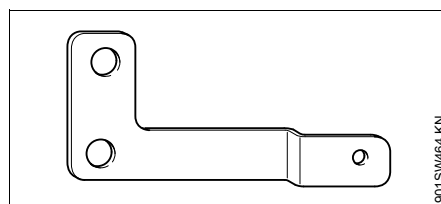
4147

**5910 893 7201 Press arbor**

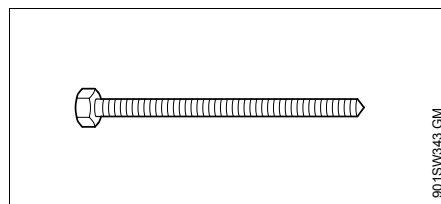
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**5910 893 7400 Lever**

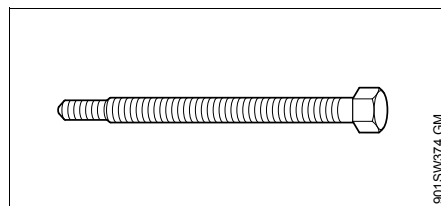
1250

**5910 893 8500 Spindle AS**

4205

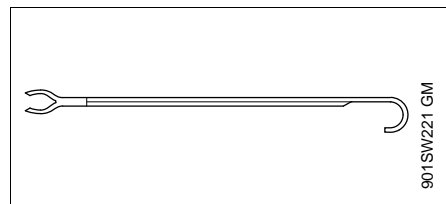
**5910 893 8505 Spindle ZS**

1124, 1128, 1135, 4224

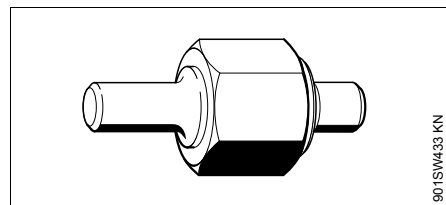


**5910 893 8800 Assembly hook**

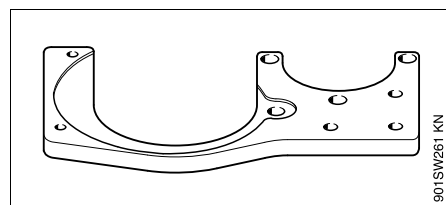
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4126, 4135, 4113, 4128, 4133, 4134, 4134, 4128, 4135, 4137, 4138,  
4139, 4140, 4144, 4146, 4147, 4170, 4205, 4211, 4213, 4221, 4223,  
4224, 4226, 4227, 4228, 4229, 4232, 4237, 4238, 4241, 4244, 4246,  
4282, 4311, 4314, 4601

**5910 893 9600 Collar screw**

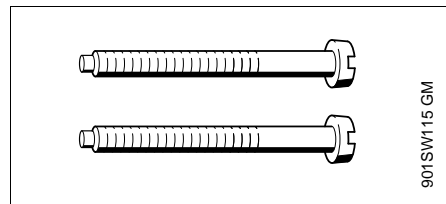
1141

**5910 894 2102 Clamping plate**

4237

**9043 319 8100 Pan head screw M5x50**

1129, 4221







**englisch / English**

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