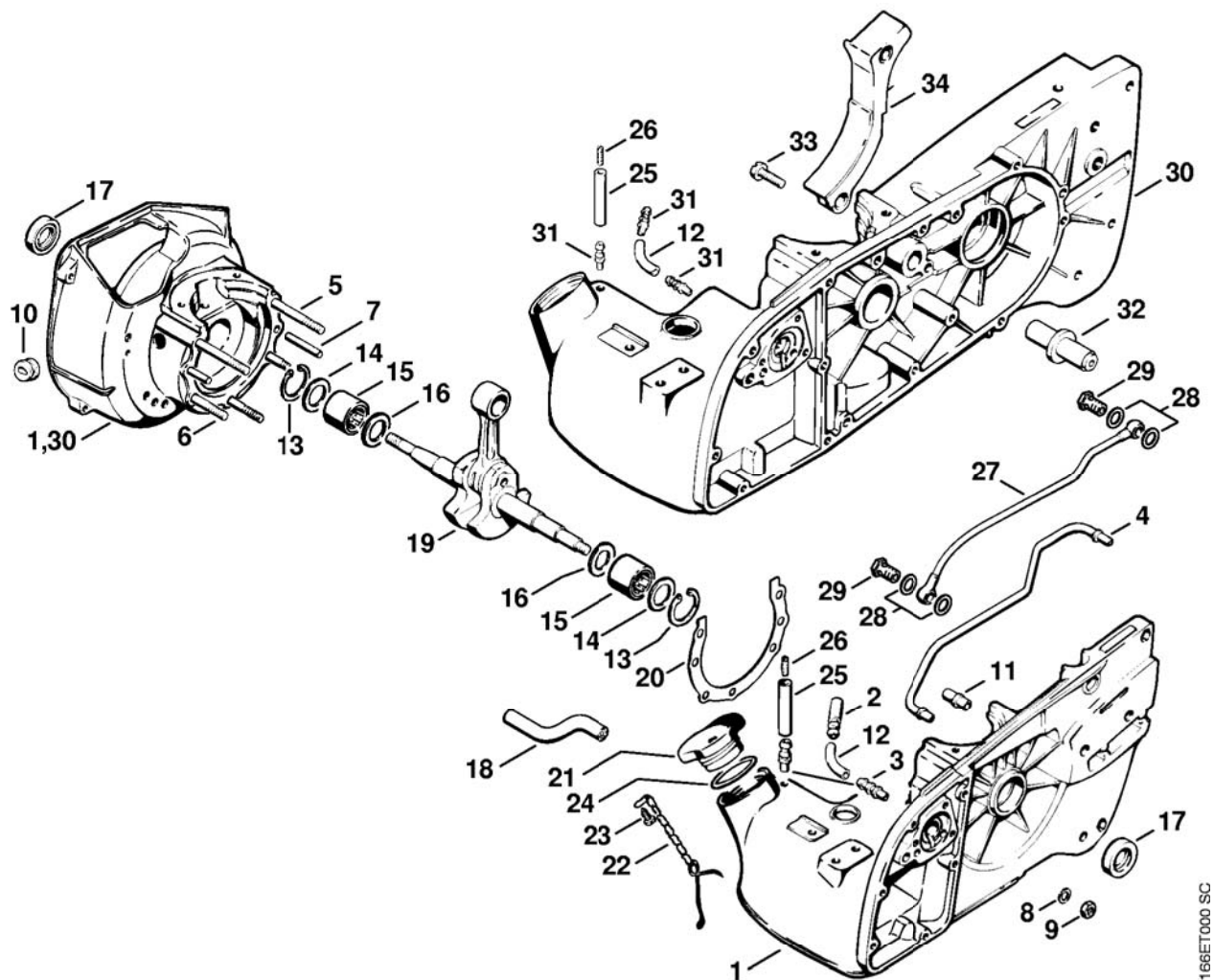


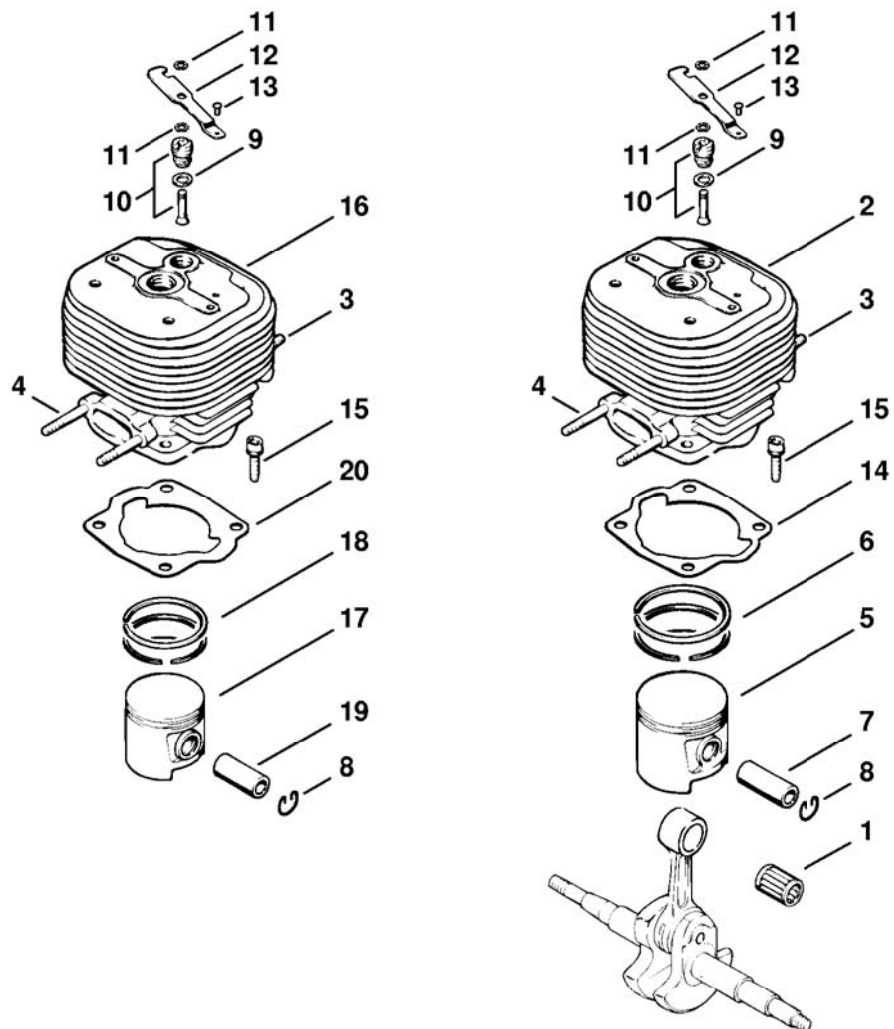


166ET000 SC

Illustration A Crankcase

Ref.Nr.	Item code	Quantity	Description
1	1106 020 2506	1	Crankcase (2) □ 2 - 11
2	0000 988 5217	1	Connector (2)
3	0000 988 5200	2	Connector (2)
4	1106 641 3200	1	Oil line (2)
5	9121 347 1420	2	Stud M6x45
6	9121 347 1370	3	Stud M6x30
7	9371 470 3220	2	Cylindrical pin 6x36
8	9321 630 0140	5	Spring washer 6
9	9210 319 0900	5	Hexagon nut M6
10	0000 989 0810	1	Grommet
11	1106 104 0200	1	Bearing bushing
12	0000 989 5200	1	Hose 43mm / 1 3/4"
13	9456 621 3310	2	Circlip 30x1.2
14	0000 958 2004	2	Washer
15	0000 993 0900	2	Needle bearing 18x30x24
16	1106 036 9000	2	Check ring
17	9640 003 1980	2	Oil seal 18x30x7
18	1106 029 8901	1	Insulating rod
19	1106 030 0400	1	Crankshaft
20	1106 029 1210	1	Gasket
21	1107 350 0500	1	Filler cap □ 22 - 24
22	1117 350 0905	1	Filler cap retainer
23	9099 021 2360	1	Self-tapping screw 3.5x9.5
24	9645 948 4050	1	O-ring 36x3
25	1108 350 5800	1	Tank vent □ 26
26	0000 951 5815	1	Grub screw 1/4"
	1106 007 1050	1	Set of gaskets □ 17, 20
27	* 1106 640 3301	1	Oil line (2) → X 30 676 406 (43.94)
28	* 9636 965 0640	4	Sealing ring 8x12 (2) → X 30 676 406 (43.94)
29	* 9170 794 0230	2	Banjo bolt 2/3" (2) → X 30 676 406 (43.94)
30	* 1109 020 2531	1	Crankcase 090 G (C) (1) □ 5 - 11, 31 - 33
31	* 0000 988 5212	3	Connector (C) (1)
32	* 1109 642 2300	1	Shaft (C) (1)
33	* 9036 341 1320	1	Socket head screw M6x20 (C) (1)
34	* 1109 656 1501	1	Guard plate (C) (1)

(1) 090 G, (2) 090, 090 AV

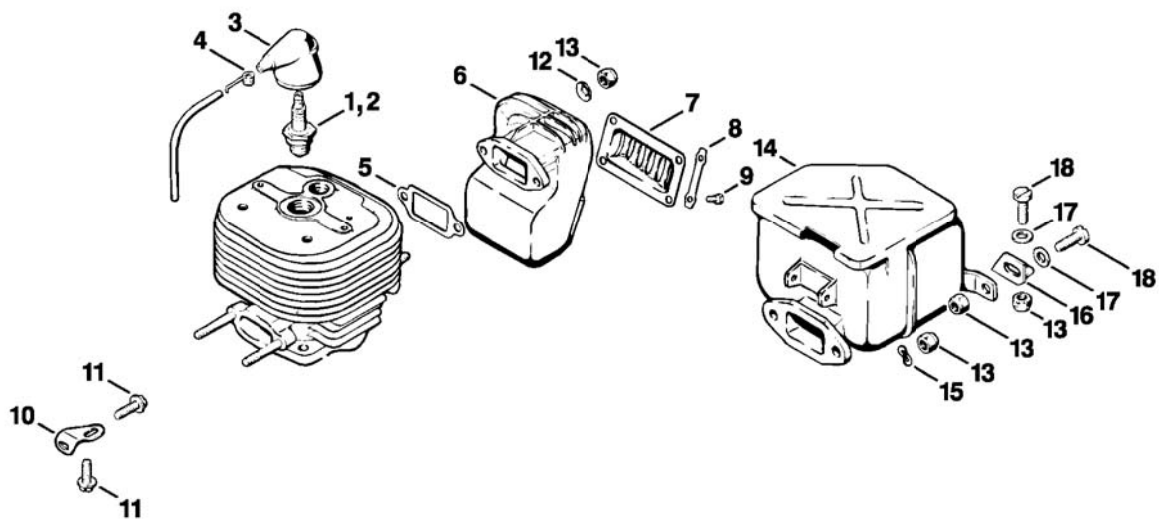


166ET023 SC

Illustration B Cylinder

Ref.Nr.	Item code	Quantity	Description
1	9512 003 4080	1	Needle cage 15x19x19.5
2	1106 020 1211	1	Cylinder with piston Ø 66mm (2) □ 3 - 13
3	9121 347 1310	2	Stud M6x18 (2)
4	9121 347 1380	2	Stud M6x35
5	1106 030 2051	1	Piston Ø 66mm (2) □ 6 - 8
6	1106 034 3010	2	Piston ring Ø 66x1.5mm (2)
7	1106 034 1551	1	Piston pin 15x46 (2)
8	9462 650 1500	2	Snap ring 15
9	9636 815 0640	1	Sealing ring 8x12
10	1106 020 9400	1	Decompression valve
11	9460 624 0320	2	E-clip 3.2
12	1106 028 8101	1	Flat spring
13	9440 069 1270	1	Blind rivet 2.6x6
14	1106 029 2311	1	Cylinder gasket (2)
15	9036 341 1350	4	Socket head screw M6x25
	1106 007 1050	1	Set of gaskets □ 20
16	* 1106 020 1202	1	Cylinder with piston Ø 58mm (1) □ 3, 4, 8 - 13
17	* 1106 030 2003	1	Piston Ø 58mm (1) □ 8, 18, 19
18	* 1106 034 3003	2	Piston ring Ø 58x1.5mm (1)
19	* 1106 034 1503	1	Piston pin 15x42 (1)
20	* 1106 029 2300	1	Cylinder gasket (1)

(1) 090 G, (2) 090, 090 AV

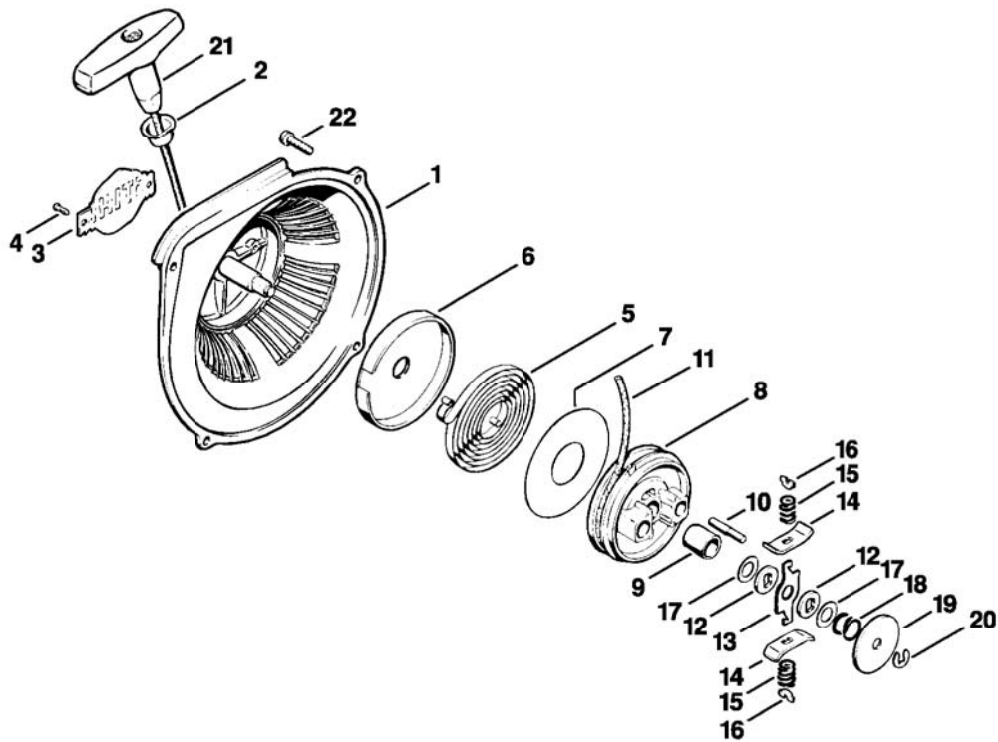


166ET005

Illustration C Muffler

Ref.Nr.	Item code	Quantity	Description
1	0000 400 7000	1	Spark plug NGK BPMR7A
2	1110 400 7005	1	Spark plug Bosch WSR 6 F
3	1110 405 1000	1	Spark plug boot
4	0000 998 0603	1	Torsion spring
5	1106 149 0600	1	Exhaust gasket
6	1106 140 0502	1	Exhaust muffler (2) □ 7 - 9
7	1106 145 2900	1	Cover (2)
8	1106 148 3900	2	Locking plate (2)
9	9008 319 0650	4	Hexagon head screw M4x10 (2)
10	1106 146 8000	1	Bracket (2)
11	9044 319 0980	2	Pan head screw M5x16 (2)
12	9486 648 0200	2	Cup spring 12.5 (2)
13	9214 320 0900	6	Lock nut M6
	1106 007 1050	1	Set of gaskets □ 5
14 *	1109 140 0601	1	Muffler (1)
15 *	9322 630 0140	2	Spring washer 6 (1)
16 *	1109 148 4200	1	Bracket (1)
17 *	9291 021 0140	2	Washer 6.4 (1)
18 *	9041 216 1310	2	Pan head screw M6x18 (1)

(1) 090 G, (2) 090, 090 AV

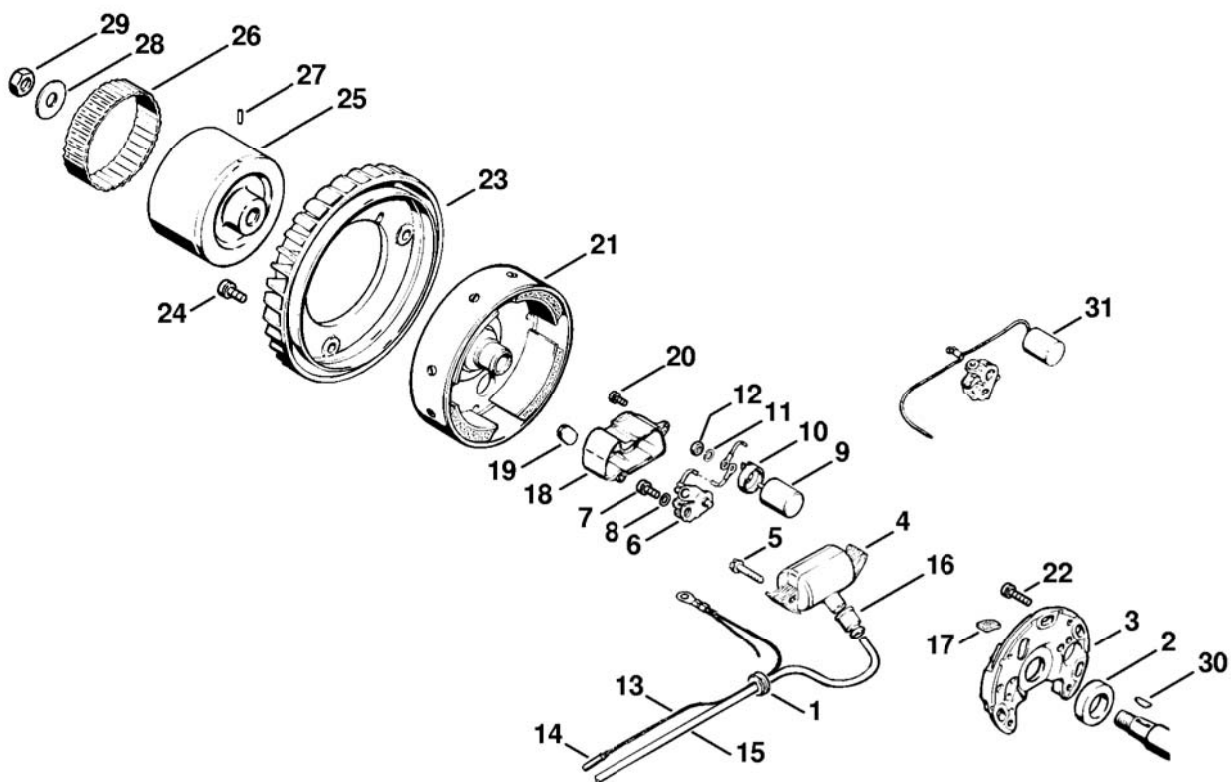


106ET021

Illustration D Rewind starter

Ref.Nr.	Item code	Quantity	Description
	1106 080 2810	1	Fan cover with rewind starter □ 1 - 21
1	1106 080 2010	1	Fan housing □ 2 - 4
2	1110 084 9102	1	Bushing
3	0000 967 2021	1	Nameplate STIHL
4	0000 974 1000	2	Round head rivet 3x6
5	1106 190 0600	1	Rewind spring □ 6
6	1107 037 8001	1	Spring housing
7	1106 195 9015	1	Washer
8	1106 190 1000	1	Rope rotor □ 9, 10
9	0000 963 1430	1	Bearing bushing
10	1106 195 9800	4	Notched pin
11	1107 195 8200	1	Starter rope Ø 4.5x1000mm
	0000 930 2200	1	Starter rope Ø 4.5mm x 30.5m (B)
12	1106 195 9001	2	Washer
	1106 190 4600	1	Friction shoe □ 13 - 16, 18
13	1106 195 3000	1	Brake lever
14	1106 195 5000	2	Friction shoe plate
15	1106 195 5100	1	Friction shoe spring
16	1106 195 1700	2	Spring retainer plate
17	0000 958 1010	2	Washer
18	1106 195 2900	1	Brake spring
19	1106 195 3200	1	Thrust washer
20	9460 624 0500	1	E-clip 5
21	1110 195 3400	1	Starter grip
22	9048 216 1010	4	Pan head screw M5x18

(1) 090 G, (2) 090, 090 AV

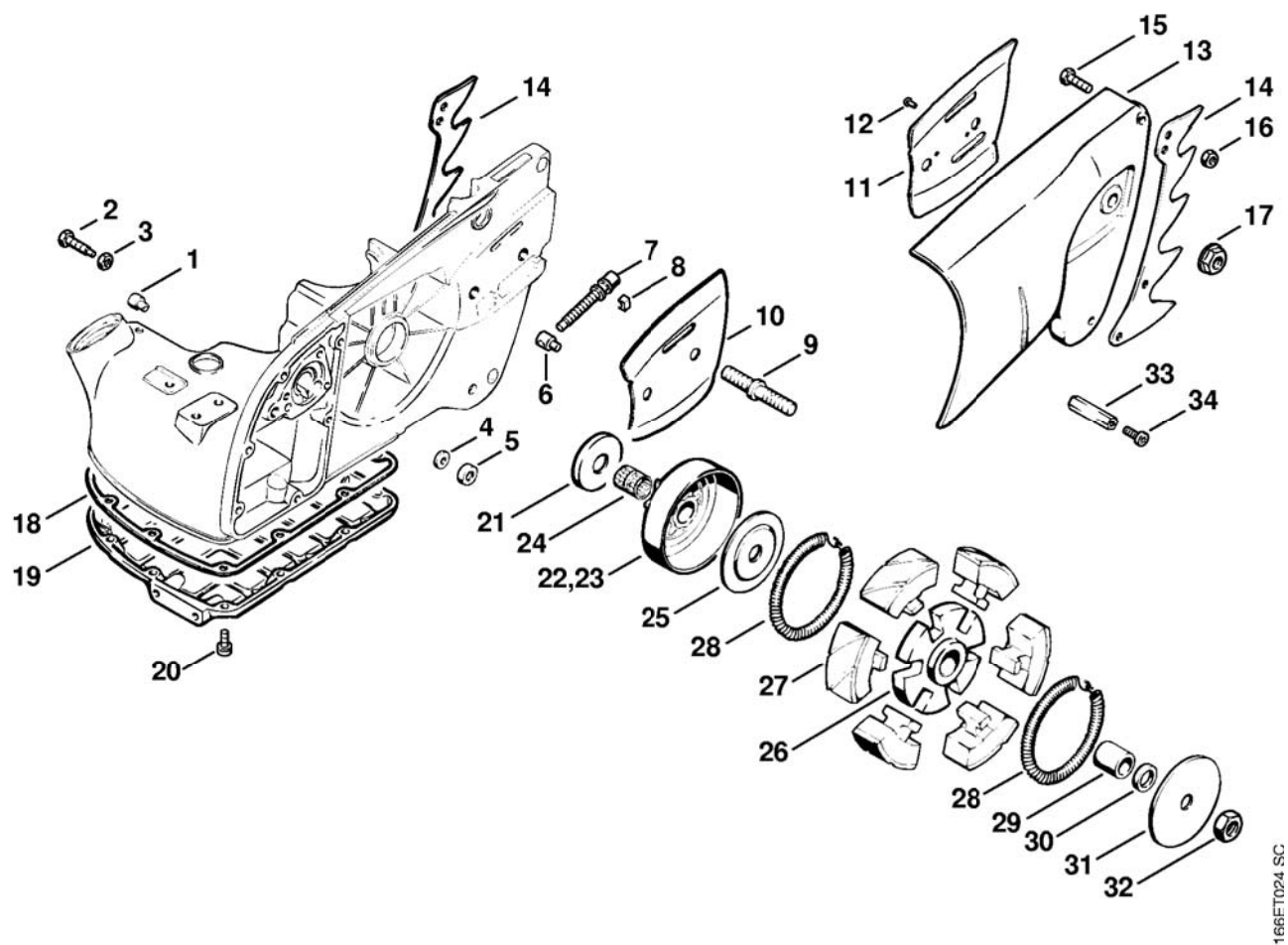


166ET036 SC

Illustration E Ignition system

Ref.Nr.	Item code	Quantity	Description
1	0000 989 0810	2	Grommet
2	0000 992 5820	1	Sealing ring
	1106 400 0510	1	Magneto □ 3 - 21
3	1106 400 0705	1	Stator plate □ 18 - 20
4	1106 404 3210	1	Ignition coil
5	9110 313 0700	2	Flat head screw M4x19
6	1106 400 2001	1	Set of points
7	9041 216 0630	1	Pan head screw M4x8
8	9322 630 0100	1	Spring washer 4
9	1115 404 3400	1	Capacitor
10	1115 404 8800	1	Cap
11	9321 630 0080	1	Spring washer 3
12	9210 260 0400	1	Hexagon nut M3
13	1106 442 1201	1	Short circuit wire
14	1110 442 7000	1	Contact sleeve
15		1	Ignition lead 375mm
	0000 405 0600	1	Ignition lead 1m (B)
	0000 930 2251	1	Ignition lead 10m (B)
16	0000 989 1010	1	Grommet
17	1110 404 4200	1	Felt wick
18	1106 400 8201	1	Dust cap □ 19
19	1106 404 8300	1	Plug
20	9047 319 0360	2	Pan head screw M3x10
21	1106 400 1202	1	Flywheel
22	9021 319 0670	2	Pan head screw M4x14
23	1106 086 0510	1	Fanwheel
24	9048 216 0950	4	Pan head screw M5x10
25	1106 190 2100	1	Starter cup □ 26, 27
26	0000 961 5115	1	Ring
27	9380 620 1650	1	Roll pin 3x8
28	0000 958 1001	1	Washer
29	9210 261 1340	1	Hexagon nut M10x1
30	9482 435 0430	1	Woodruff key 3x5
31	* 1106 404 3401	1	Capacitor → 6 519 900 (20.80)

(1) 090 G, (2) 090, 090 AV

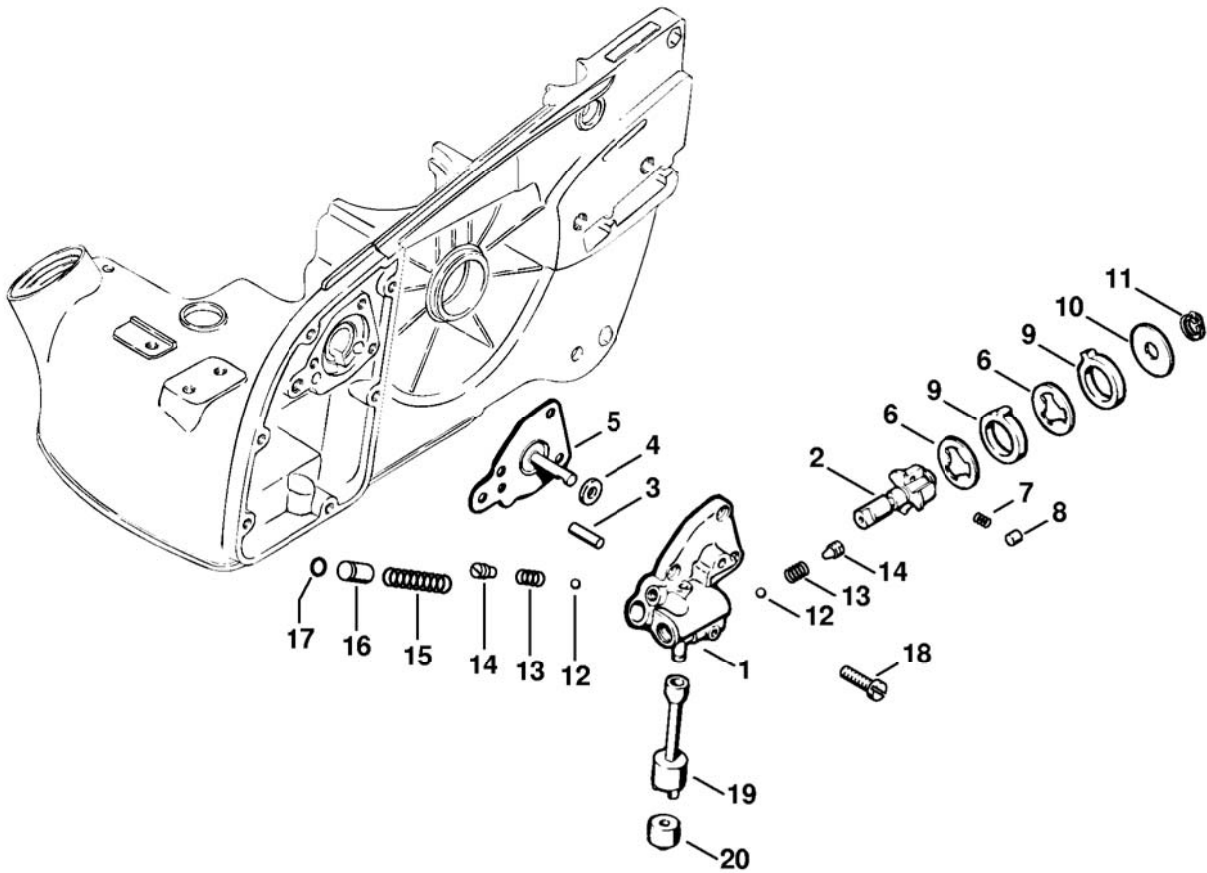


166ET024 SC

Illustration F Clutch, Chain sprocket cover

Ref.Nr.	Item code	Quantity	Description
1	1106 640 9000	1	Strainer flange
2	0000 951 0601	1	Hexagon head screw M6
3	9210 319 0900	1	Hexagon nut M6
4	1106 647 2800	1	Cup
5	1106 647 9200	1	Rubber cap
6	1106 664 1501	1	Tensioning nut
7	0000 951 2911	1	Adjusting screw M6
8	1107 021 9000	1	Clamp
9	0000 953 6601	2	Stud (2)
10	1106 664 1000	1	Inner side plate (2)
11	1106 664 1100	1	Outer side plate (2)
12	9441 065 1910	2	Round head rivet 3x8
13	1106 648 0412	1	Chain sprocket cover (2)
14	1106 664 0510	2	Bumper spike
15	9008 319 1310	4	Hexagon head screw M6x18 (2)
16	9214 320 0900	6	Lock nut M6
17	9220 260 1300	2	Hexagon nut M10
18	1106 359 1110	1	Gasket
19	1106 351 0701	1	Fuel tank cover
20	9048 216 1010	10	Pan head screw M5x18
21	1106 036 9100	1	Cover washer
22	1106 640 2015	1	Chain sprocket 0.404" 7T (2)
23	1106 640 2035	1	Chain sprocket 1/2" 6T (2)
24	9512 933 4050	1	Needle cage 15x18x22
25	1109 162 8905	1	Washer
	1109 160 2200	1	Clutch
			□ 26 - 28
26	1109 162 3200	1	Carrier
27	1109 160 1600	6	Clutch shoe
28	0000 997 5616	2	Tension spring
29	1106 162 9000	1	Adapter sleeve
30	0000 961 1200	1	Ring
31	1109 162 8900	1	Washer
32	9210 261 1350	1	Hexagon nut M10x1
33	1111 656 7700	1	Chain catcher
34	9040 346 1010	1	Socket head screw M5x18
	1106 007 1050	1	Set of gaskets
			□ 18

(1) 090 G, (2) 090, 090 AV

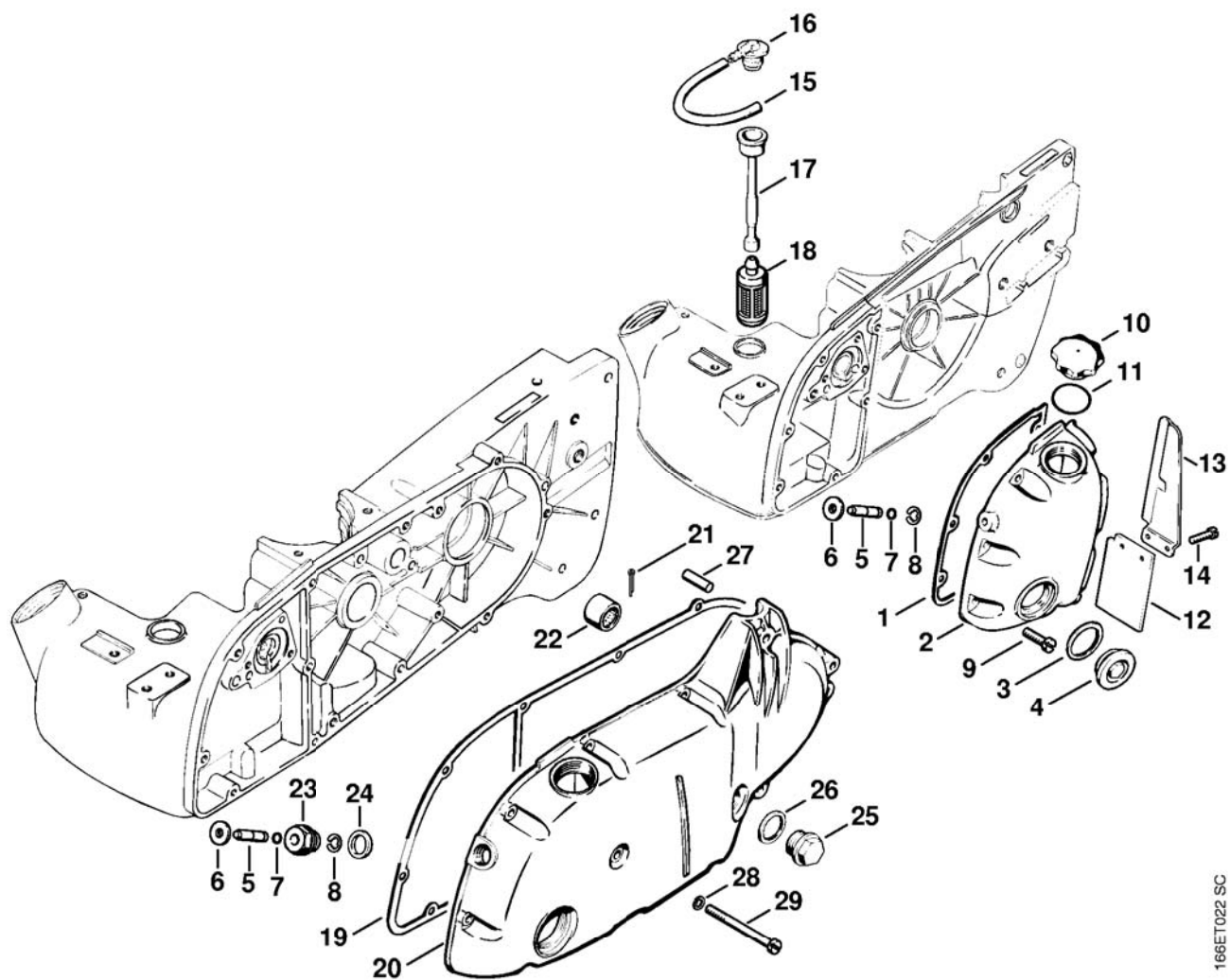


166ET021 SC

Illustration G Oil pump

Ref.Nr.	Item code	Quantity	Description
	1106 640 3202	1	Oil pump □ 1 - 17
1	1106 640 3002	1	Pump housing
2	1106 647 0600	1	Pump piston
3	0000 971 0420	1	Pin
4	0000 992 5110	1	Sealing ring
5	1106 640 3100	1	Plunger with diaphragm
6	1106 647 7900	2	Washer
7	0000 997 0325	6	Compression spring
8	9517 003 5090	6	Cylindrical roller 5x5
9	1106 647 2611	2	Annular lever
10	0000 958 1001	1	Washer
11	9455 621 0850	1	Circlip 10x1
12	9516 003 1730	2	Ball Ø 4mm
13	0000 997 0336	2	Compression spring
14	0000 951 5810	2	Grub screw M6
15	0000 997 0728	1	Compression spring
16	1111 647 0610	1	Pump piston
17	9646 945 0490	1	O-ring 7x1.5
18	9048 216 1010	3	Pan head screw M5x18
19	1106 647 9404	1	Hose
20	1106 640 3801	1	Pickup body

(1) 090 G, (2) 090, 090 AV



166ET022 SC

Illustration H Tank cover, Gear box cover

Ref.Nr.	Item code	Quantity	Description
1	1106 359 0700	1	Gasket (2)
2	1106 350 4002	1	Oil tank cover (2) □ 3 - 8
3	0000 992 7105	1	Sealing ring
4	1106 351 2200	1	Oil sight glass
	1106 007 1004	1	Thrust bolt kit □ 5 - 8
5	1106 640 6000	1	Thrust bolt □ 6
6	1106 647 7811	1	Washer
7	9646 945 0150	1	O-ring 4x1
8	9468 621 0330	1	Circlip 6x0.7
9	9048 216 1010	6	Pan head screw M5x18
10	1106 640 3600	1	Oil filler cap □ 11
11	0000 992 6302	1	Sealing ring
12	1106 656 2000	1	Chip guard
13	1106 656 1500	1	Guard plate
14	9048 319 0680	2	Pan head screw M4x16
15	1106 358 0700	1	Hose 135mm
16	1108 353 2500	1	Elbow connector
17	1111 358 7700	1	Hose
18	0000 350 3500	1	Pickup body
	1106 007 1050	1	Set of gaskets □ 1
19	* 1109 649 0500	1	Gasket (1)
20	* 1109 640 5820	1	Gearbox cover (C) (1) □ 21
21	* 9395 021 0790	1	Split pin 1.6x12 (1)
22	* 0000 993 0700	1	Needle bearing 16x22x12 (C) (1)
23	* 1109 640 7800	1	Banjo bolt with thrust bolt (C) (1) □ 5 - 8
24	* 9636 965 1430	1	Sealing ring 14x18 (1)
25	* 9151 794 1760	1	Screw plug M18x1.5 (1)
26	* 9636 965 1960	1	Sealing ring 18x24 (1)
27	* 9371 470 3120	2	Cylindrical pin 6x20 (1)
28	* 9321 630 0120	1	Spring washer 5 (1)
29	* 9042 216 1120	1	Pan head screw M5x55 (1)

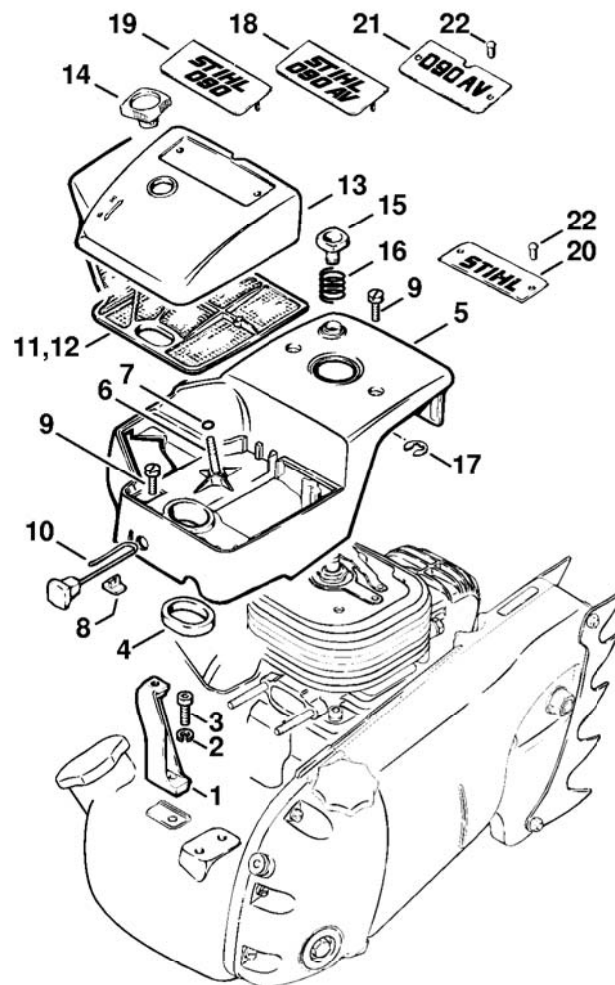
(1) 090 G, (2) 090, 090 AV



Illustration J Speed governor

Ref.Nr.	Item code	Quantity	Description
1	1106 104 1900	1	Notched speed control base
2	9048 319 0650	1	Pan head screw M4x10
3	0000 998 0811	1	Torsion spring
4	9291 021 0120	1	Washer 5.3
5	1106 100 0601	1	Governor shaft
6	1106 104 0501	1	Governor rod
7	1106 104 1000	1	Wind vane
8	9047 319 0220	2	Pan head screw M2.6x5
9	1106 104 0200	1	Bearing bushing
10	1106 129 1110	2	Gasket
11	1106 121 2201	1	Cooling plate
12	1106 121 1615	1	Spacer flange
13	1106 129 1100	1	Gasket
14	1106 120 0650	1	Carburetor LB-S9
15	1106 121 8701	2	Bushing
16	1106 121 8600	2	Washer
17	9220 260 0900	2	Hexagon nut M6
18	1106 123 7600	1	Strap
19	1106 149 1200	1	Filter gasket
20	1106 141 2200	1	Intake elbow
21	9012 319 1070	2	Hexagon head screw M5x30
22	1106 123 7500	1	Grommet
	1106 007 1050	1	Set of gaskets □ 10, 13, 19
23 *	1106 100 0901	1	Governor shaft bush → X 26 668 181 (23.93)

(1) 090 G, (2) 090, 090 AV

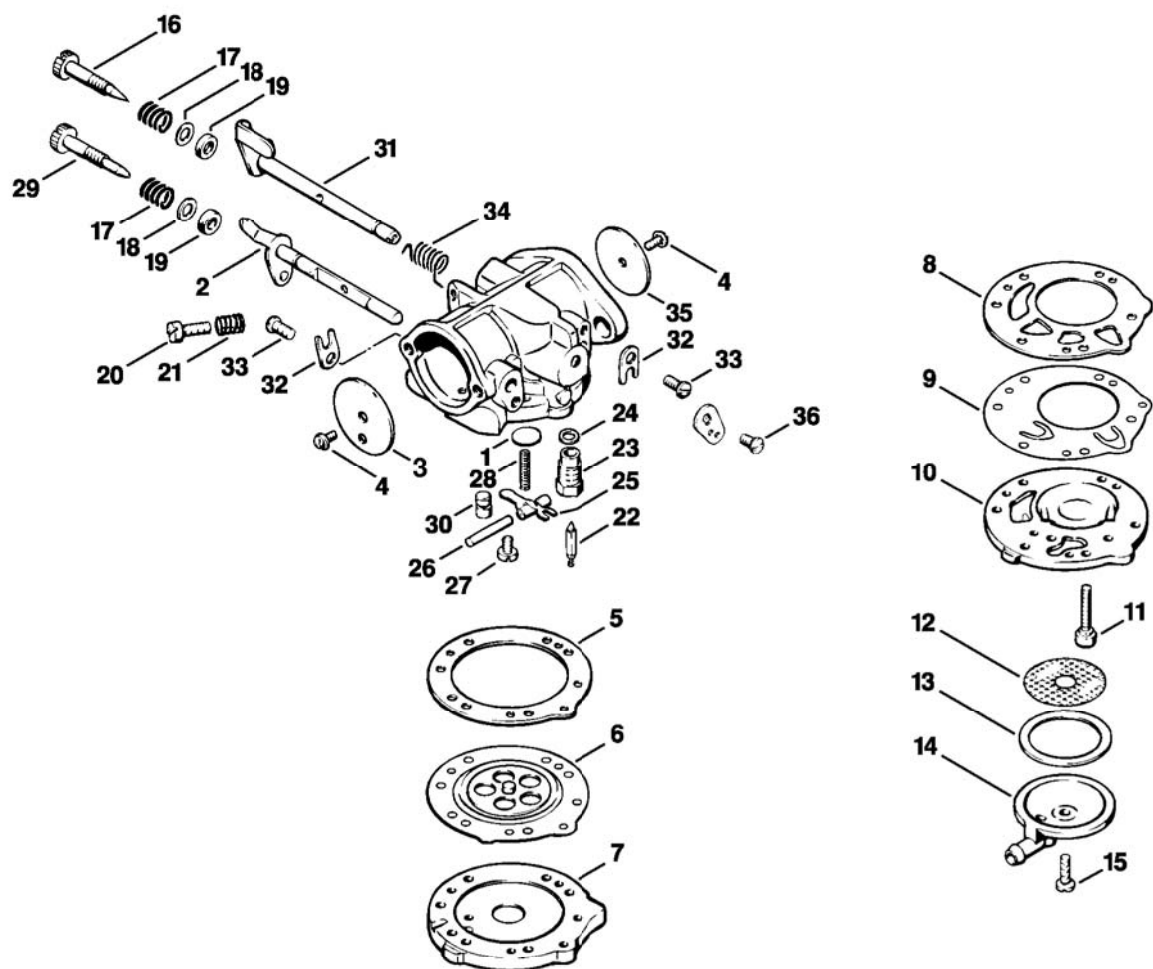


166ET026 SC

Illustration K Air filter

Ref.Nr.	Item code	Quantity	Description
1	1106 791 7601	1	Support
2	9334 630 0140	1	Spring washer 6
3	9045 319 1320	1	Socket head screw M6x20
4	1106 149 0400	1	Sealing ring
5	1106 080 1600	1	Shroud
6	9121 347 1000	1	Stud M5x38
7	9646 945 0150	2	O-ring 4x1
8	1106 182 2400	1	Clamp
9	9048 216 1010	3	Pan head screw M5x18
10	1106 180 2500	1	Choke rod
11	1106 120 1602	1	Air filter, fleece
12	1106 120 1610	1	Air filter, wire mesh
13	1106 084 0601	1	Cover
14	1110 140 9501	1	Twist lock
15	1106 020 9500	1	Button
16	0000 997 1705	1	Compression spring
17	9460 624 0800	1	E-clip 8
18	1106 967 1503	1	Model plate 090 AV
19	1106 967 1502	1	Model plate 090
20	* 0000 967 2001	1	Nameplate → X 33 878 644 (20.96)
21	* 0000 967 1545	1	Model plate 090 AV → X 33 878 644 (20.96)
22	* 0000 974 1000	2	Round head rivet 3x6 → X 33 878 644 (20.96)

(1) 090 G, (2) 090, 090 AV

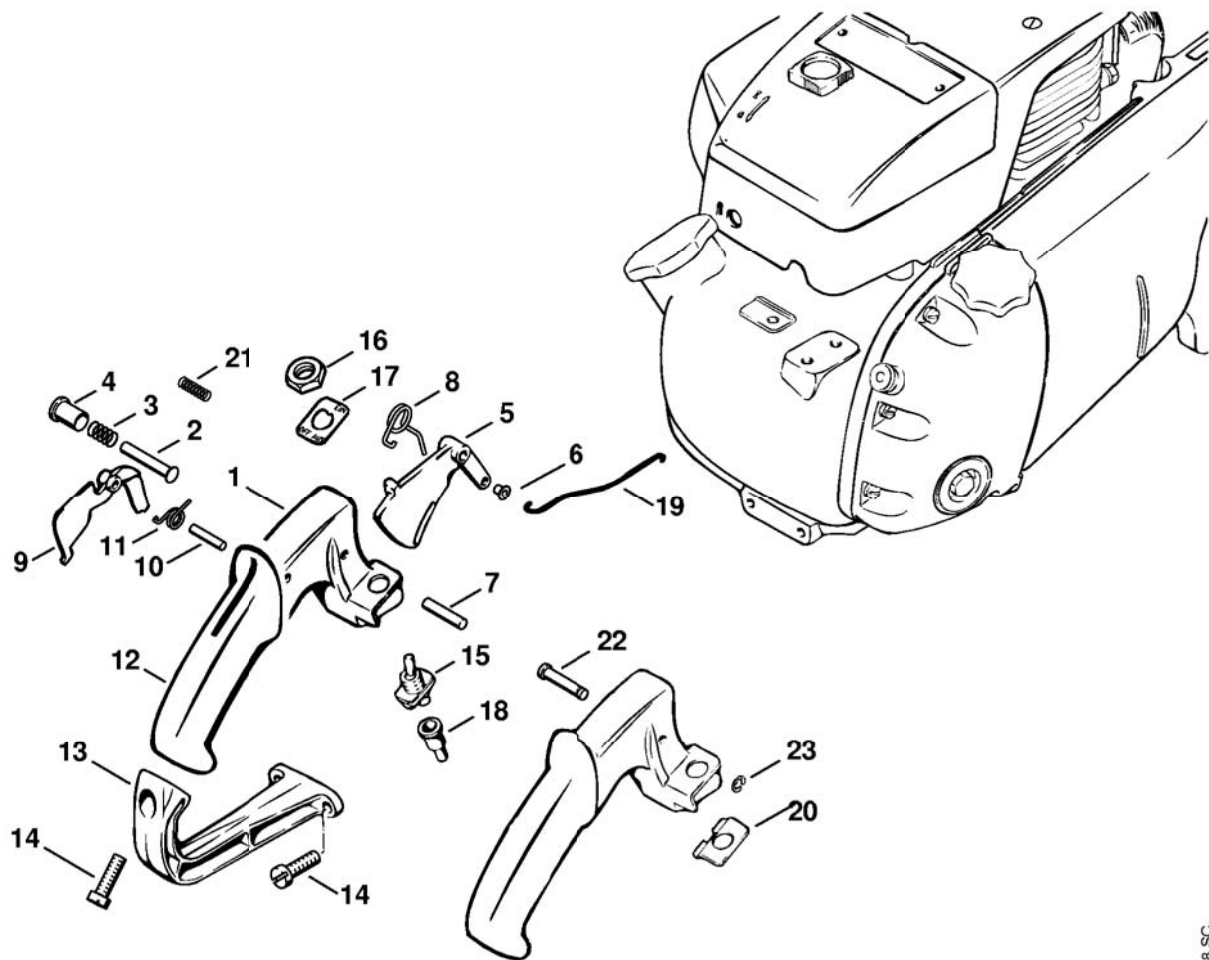


106ET039 GM

Illustration L Carburetor LB-S9

Ref.Nr.	Item code	Quantity	Description
	1106 120 0650	1	Carburetor LB-S9 □ 1 - 36
1	6503 122 9410	1	Plug
2	1106 120 7220	1	Choke shaft with lever
3	1106 121 2901	1	Choke shutter
4	1125 122 7402	2	Round head screw
5	6503 129 0910	1	Gasket
6	6503 121 4700	1	Metering diaphragm
7	1106 121 0502	1	Pump housing
8	1108 129 1100	1	Gasket
9	1106 121 4803	1	Pump diaphragm
10	6503 121 0400	1	Top
11	1108 122 7700	6	Oval head screw
12	6503 121 7810	1	Strainer
13	6503 129 3010	1	Sealing ring
14	6503 121 0800	1	End cover
15	6503 122 7700	1	Oval head screw
16	4201 122 6800	1	Low speed adjustment screw
17	1120 122 3005	2	Spring
18	4201 122 1500	2	Washer
19	4201 129 3001	2	Sealing ring
20	4201 122 6201	1	Idle speed adjustment screw
21	1120 122 3003	1	Spring
22	1110 121 5100	1	Inlet needle
23	4201 121 1100	1	Valve body
24	4201 129 2500	1	Washer
25	4201 121 5000	1	Inlet control lever
26	4201 121 9200	1	Spindle
27	1120 122 6600	1	Collar screw
28	4201 122 3001	1	Spring
29	1106 122 6702	1	High speed adjustment screw
30	1120 121 5401	1	Valve jet
31	1106 120 7102	1	Throttle shaft with lever
32	4201 122 9300	2	Clip
33	4201 122 7702	2	Oval head screw
34	4201 122 3000	1	Spring
35	1106 121 3302	1	Throttle shutter
36	9079 319 0280	1	Flat head screw M3x3.5
	1106 007 1061	1	Set of carburetor parts 070/08S □ 5, 6, 8, 9, 13, 19, 24

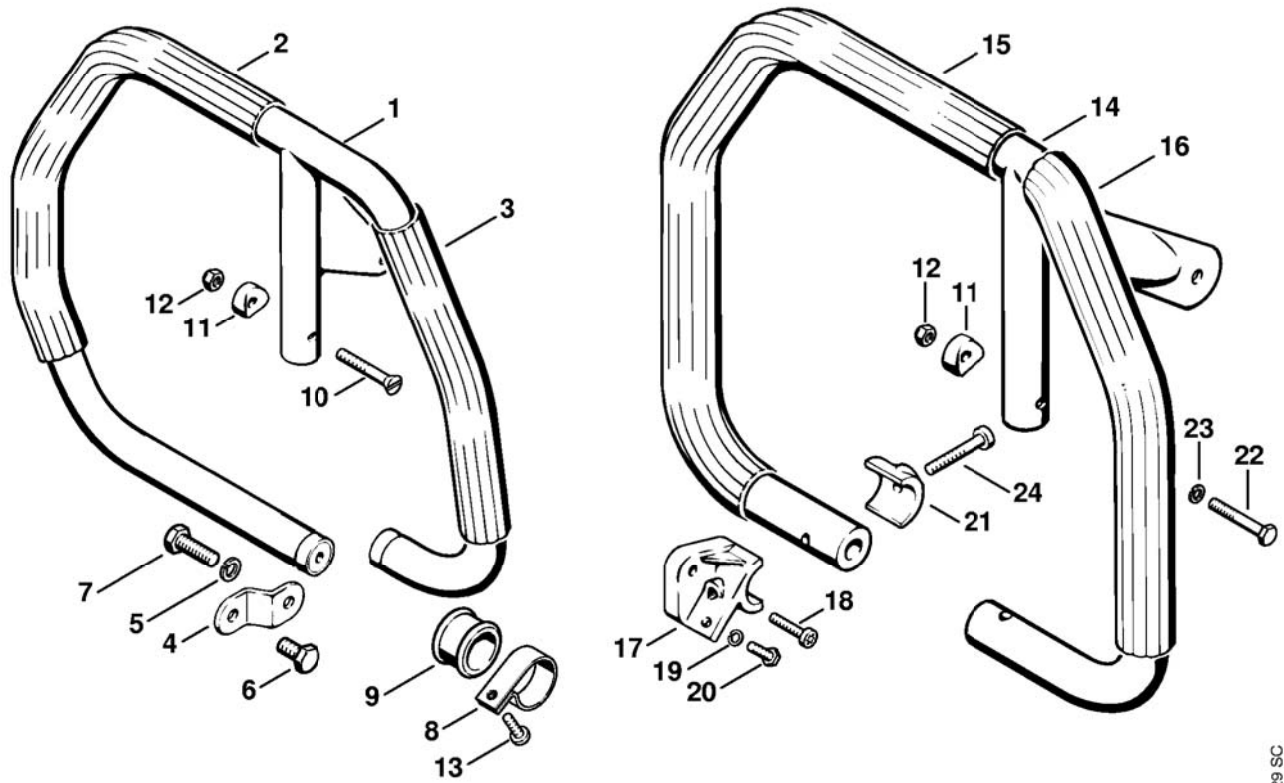
(1) 090 G, (2) 090, 090 AV



166ET028 SC

Ref.Nr.	Item code	Quantity	Description
1	1106 790 0302	1	Handle □ 2 - 12
2	1113 182 8901	1	Pin
3	0000 997 0603	1	Compression spring
4	1113 182 9305	1	Starting throttle lock
5	1106 180 1506	1	Throttle trigger □ 6
6	9415 415 3140	1	Hollow rivet 4x0.3x5
7	9371 470 2640	1	Cylindrical pin 5x24
8	0000 998 0802	1	Torsion spring
9	1106 182 0800	1	Trigger interlock
10	9372 470 2130	1	Cylindrical pin 4x20
11	1108 182 4500	1	Torsion spring
12	1106 791 2205	1	Rubber grip
13	1106 791 7600	1	Support
14	9048 216 1320	5	Pan head screw M6x20
15	1110 430 0202	1	Stop switch
16	9211 260 1430	1	Hexagon nut M12x0.75
17	0000 967 3506	1	Label
18	1110 432 9200	1	Grommet
19	1106 182 1504	1	Throttle rod
20	* 1106 432 8100	1	Shim → 9 076 425 (37.75)
21	* 0000 997 0603	1	Compression spring → 9 076 425 (37.75)
22	* 0000 973 6600	1	Pin → 5 453 329 (15.79)
23	* 9460 624 0320	1	E-clip 3.2 → 5 453 329 (15.79)

(1) 090 G, (2) 090, 090 AV

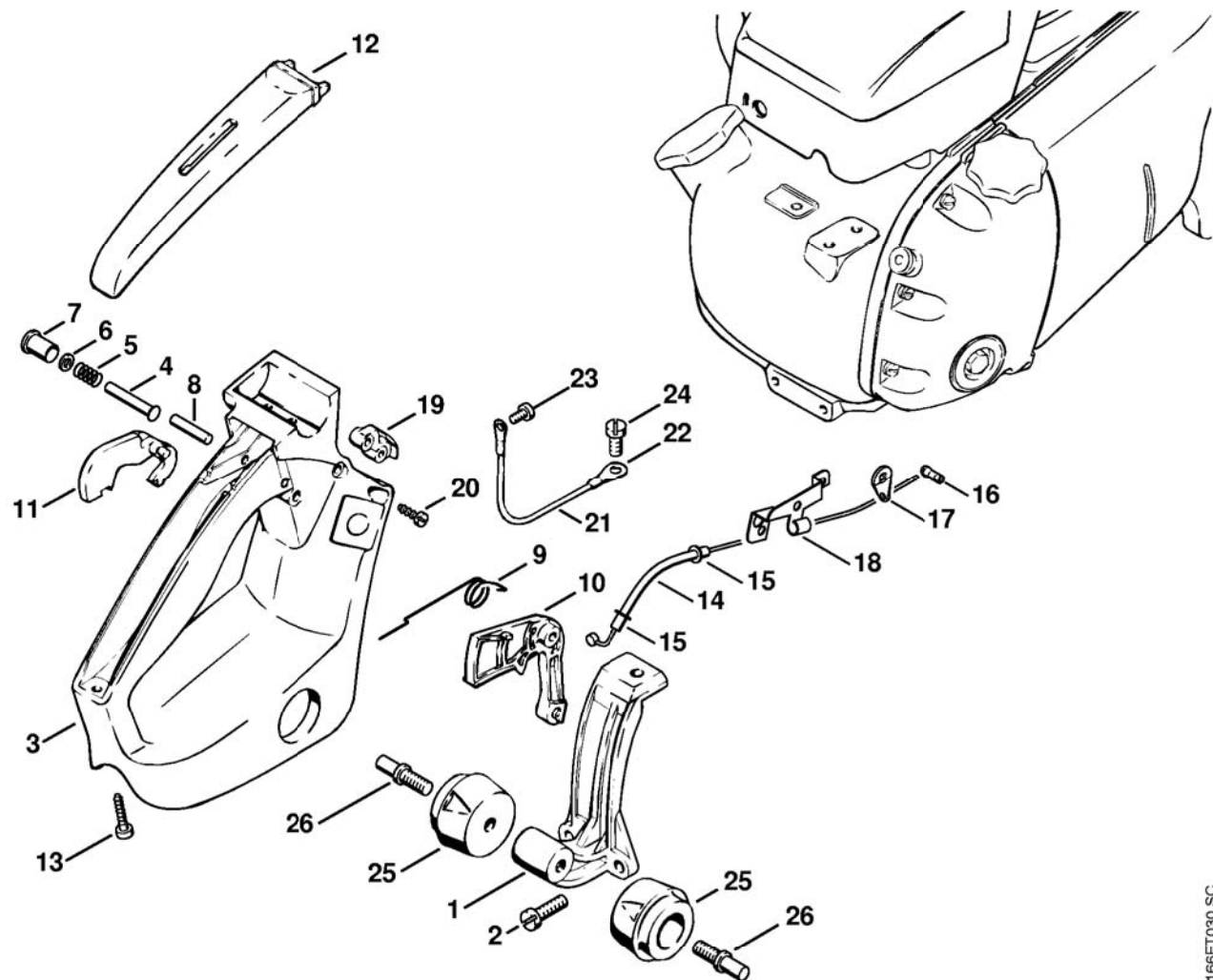


166ET029 SC

Illustration N Wrap around handle

Ref.Nr.	Item code	Quantity	Description
1	1106 790 3400	1	Wrap around handle (2) □ 2 - 6
2		1	Handle hose 390mm / 15 3/8" (2)
3		1	Handle hose 240mm / 9 1/2" (2)
	0000 791 2009	1	Handle hose Ø 19 mm x 5m / 3/4x197" (B)
4	1106 791 7400	1	Strap (2)
5	9321 630 0180	1	Spring washer 8 (2)
6	9008 319 1780	1	Hexagon head screw M8x16 (2)
7	9008 319 1830	1	Hexagon head screw M8x25 (2)
8	1106 791 9400	1	Tube clamp (2)
9	1106 791 9500	1	Rubber bushing (2)
10	0000 951 4110	1	Countersunk screw M6 (2)
11	1106 791 8600	1	Thrust washer
12	9214 320 0900	2	Lock nut M6
13	9048 216 1010	1	Pan head screw M5x18 (2)
14	* 1109 790 3400	1	Wrap around handle (1) □ 15, 16
15	*	1	Handle hose 500mm / 20" (1)
16	*	1	Handle hose 240mm / 9 1/2" (1)
17	* 1109 791 1900	1	Handlebar support (1)
18	* 9048 216 1050	1	Pan head screw M5x25 (C) (1)
19	* 9321 630 0120	1	Spring washer 5 (1)
20	* 9008 319 1010	1	Hexagon head screw M5x18 (1)
21	* 1109 791 9000	1	Clamp (1)
22	* 9007 319 1400	1	Hexagon head screw M6x40 (1)
23	* 9334 630 0140	1	Spring washer 6 (1)
24	* 9042 216 1400	1	Pan head screw M6x40 (1)

(1) 090 G, (2) 090, 090 AV

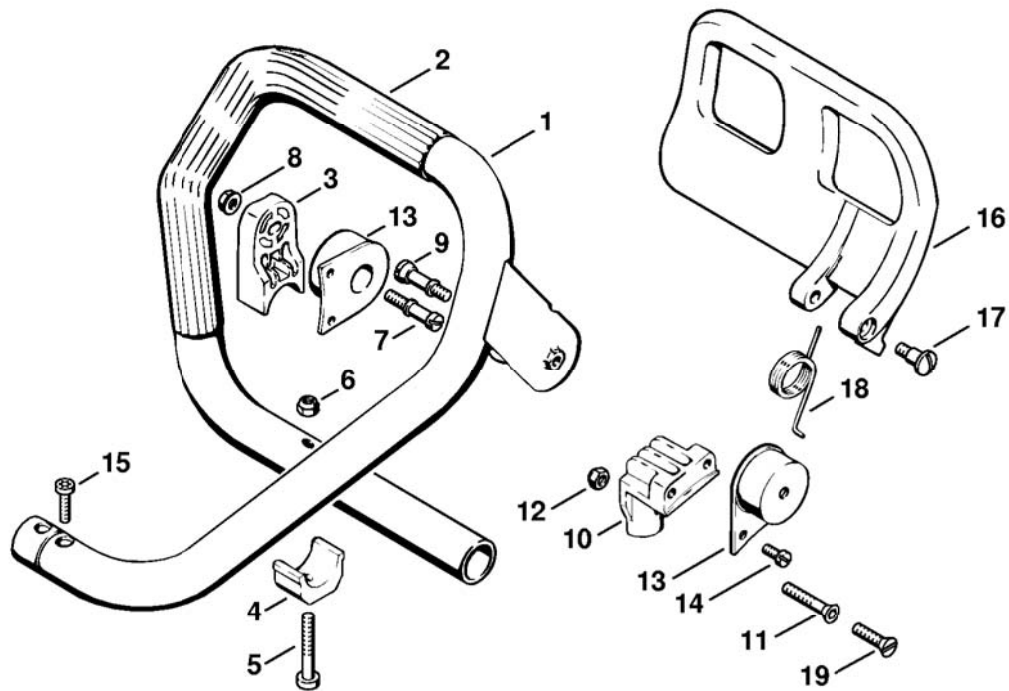


166ET030 SC

Illustration AV-Handle

Ref.Nr.	Item code	Quantity	Description
1	1106 791 6405	1	Support
2	9048 216 1320	3	Pan head screw M6x20
3	1106 790 0307	1	Handle
			□ 4 - 13
4	1113 182 8901	1	Pin
5	0000 997 0603	1	Compression spring
6	0000 958 0403	1	Washer
7	1113 182 9305	1	Starting throttle lock
8	9371 470 2640	1	Cylindrical pin 5x24
9	0000 998 1109	1	Torsion spring
10	1106 182 1003	1	Throttle trigger
11	1106 182 0805	1	Trigger interlock
12	1118 791 0602	1	Handle molding
13	9074 478 3076	1	Pan head self-tapping screw IS-P4x19
14	1106 180 1101	1	Throttle cable
			□ 15, 16
15	4308 182 8800	2	Terminal sleeve
16	0000 937 3000	1	Screw nipple
17	1106 123 7610	1	Strap
18	1106 182 5820	1	Guide plate
19	1106 791 4200	1	Cable guide
20	9099 021 2770	1	Self-tapping screw 3.9x13
21	1106 440 2202	1	Ground wire
			□ 22
22	0751 030 8950	1	Terminal socket A 4-1
23	9047 319 0630	1	Pan head screw M4x8
24	9041 216 1260	1	Pan head screw M6x12
25	1106 790 9905	2	Annular buffer
26	1106 791 6100	2	Collar screw

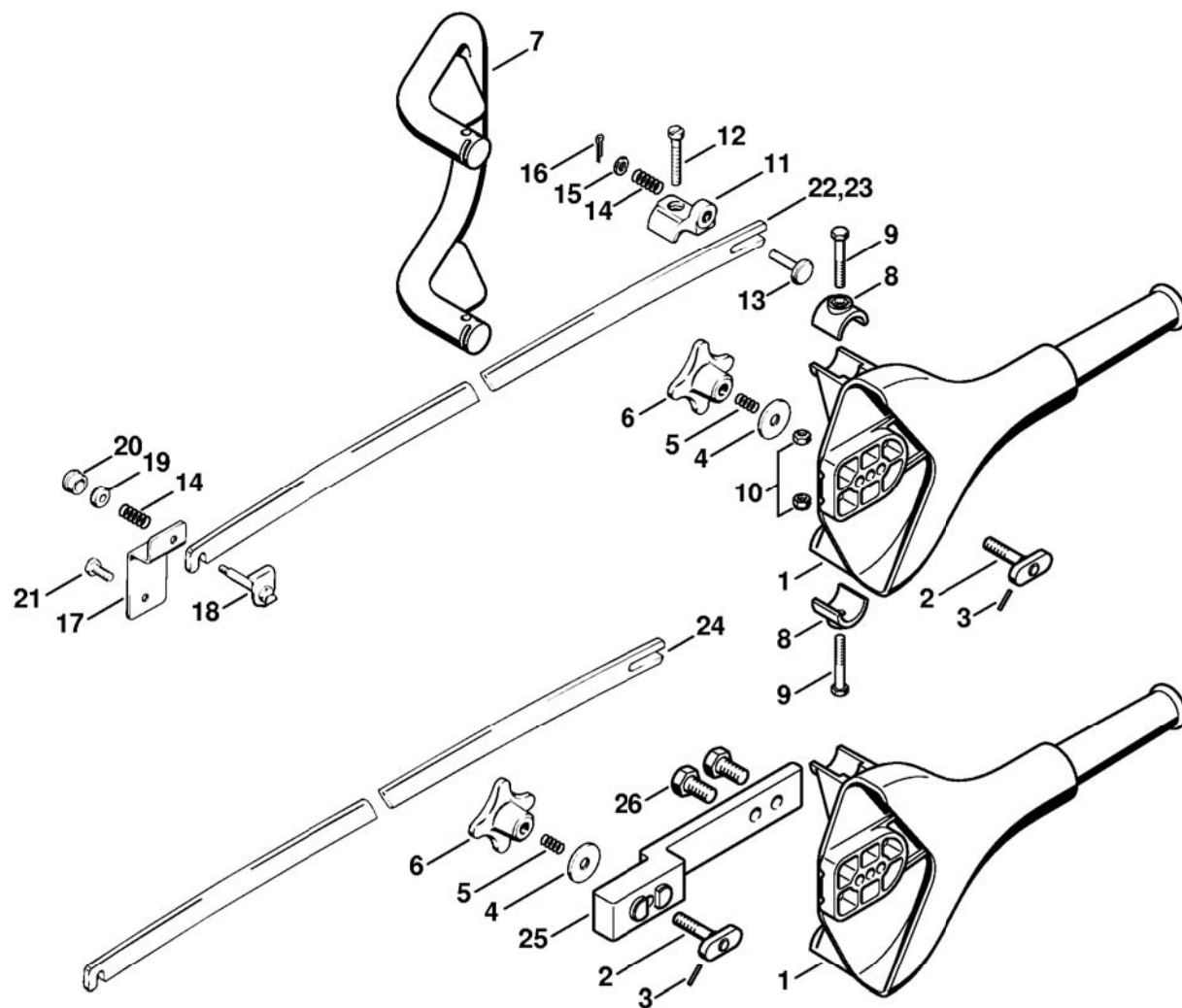
(1) 090 G, (2) 090, 090 AV



166ET031 SC

Ref.Nr.	Item code	Quantity	Description
1	1106 790 1517	1	Handlebar with hose □ 2
2		1	Handle hose 395mm / 15 9/16"
	0000 791 2005	1	Handle hose Ø 23 mm x 5m / 1x197" (B)
3	1106 791 5405	1	Support
4	1106 791 9000	1	Clamp
5	9042 216 1400	1	Pan head screw M6x40
6	9214 320 0900	1	Lock nut M6
7	1106 791 6110	1	Collar screw
8	9220 260 0900	1	Hexagon nut M6
9	1106 791 6105	1	Collar screw
10	1106 790 7650	1	Support
11	9064 319 1380	1	Countersunk screw M6x35
12	9214 320 0900	1	Lock nut M6
13	1106 790 9910	2	Annular buffer
14	9079 319 0960	4	Flat head screw M5x12
15	9036 341 1020	2	Socket head screw M5x20
16	1106 792 9100	1	Hand guard
17	0000 951 2905	2	Oval head screw
18	1106 791 8200	1	Torsion spring
19	* 9062 319 1350	1	Countersunk screw M6x25 → X 29 906 076 (43.94)

(1) 090 G, (2) 090, 090 AV

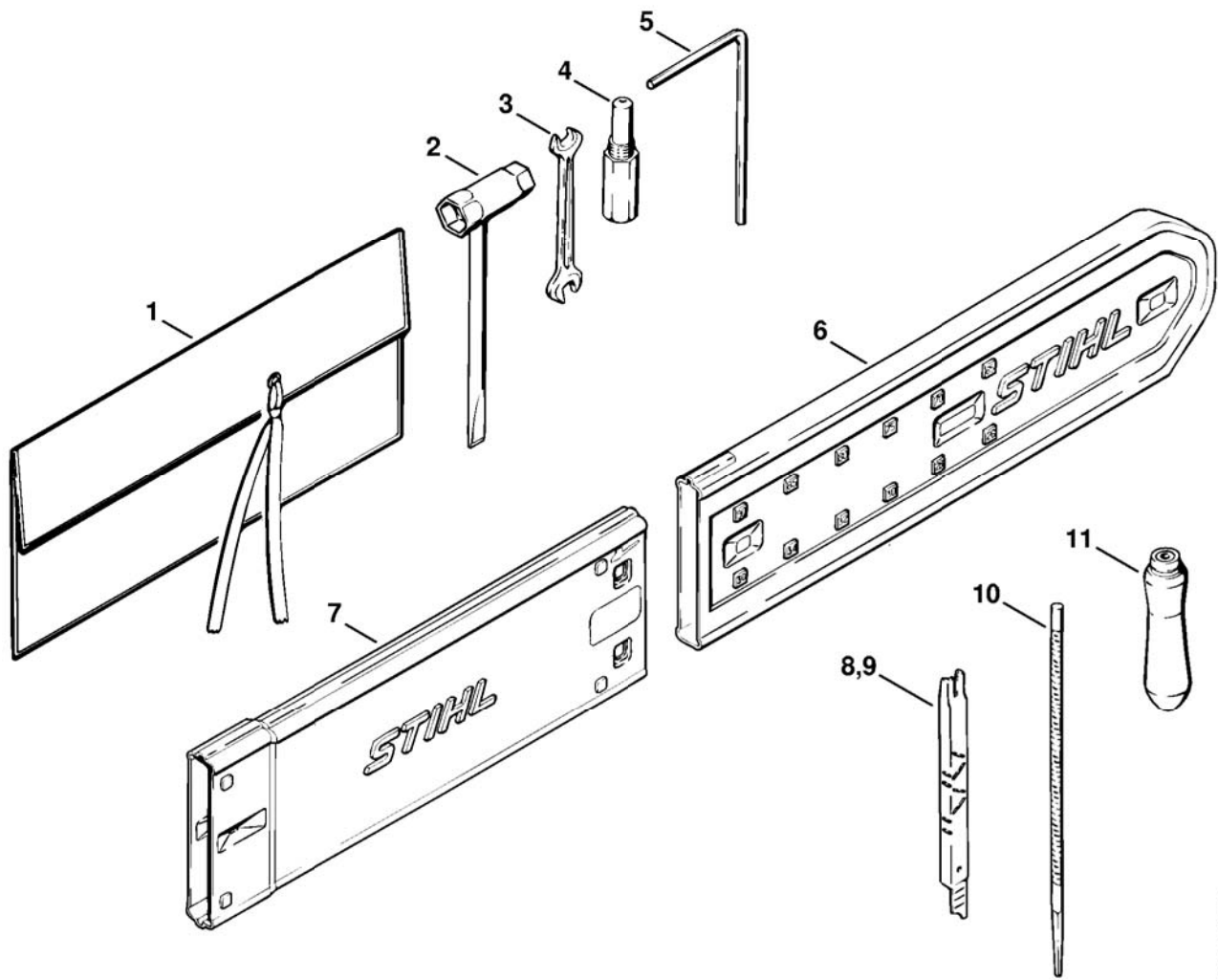


129ET043 SC

Illustration Q Helper's handle, Chain scabbard

Ref.Nr.	Item code	Quantity	Description
			Extras:
1	1124 660 2500	1	Helper's handle □ 2 - 10
2	1109 660 0600	1	Tensioning bolt □ 3
3	9380 620 1120	1	Roll pin 2x14
4	0000 958 2208	1	Washer
5	0000 997 0620	1	Compression spring
6	1109 660 0500	1	Tensioning nut
7	1109 790 2200	1	Front handle
8	1109 791 9000	2	Clamp
9	9007 319 1400	2	Hexagon head screw M6x40
10	9214 320 0900	2	Lock nut M6
	1124 007 1018	1	Chain guard kit 105cm / 42" □ 11 - 22
11	1109 650 8400	1	Support
12	9042 216 1400	1	Pan head screw M6x40
13	1401 668 8500	1	Spring bolt
14	0000 997 0901	2	Compression spring
15	0000 958 0600	1	Washer
16	9395 021 0790	1	Split pin 1.6x12
17	1124 656 8300	1	Support
18	1401 640 8000	1	Spring bolt
19	0000 961 1401	1	Ring
20	1401 648 8400	1	Push button
21	9008 319 1350	1	Hexagon head screw M6x25
22	1202 656 1000	1	Chain scabbard 105cm / 42"
	1124 007 1019	1	Chain guard kit 120cm / 48" □ 11 - 21, 23
23	1202 656 1001	1	Chain scabbard 120cm / 48"
	1124 007 1020	1	Chain guard kit 150cm / 59" □ 11 - 21, 24
24	1202 656 1002	1	Chain scabbard 150cm / 59"
25	1124 660 2650	1	Spacer
26	9008 319 2360	2	Hexagon head screw M10x20

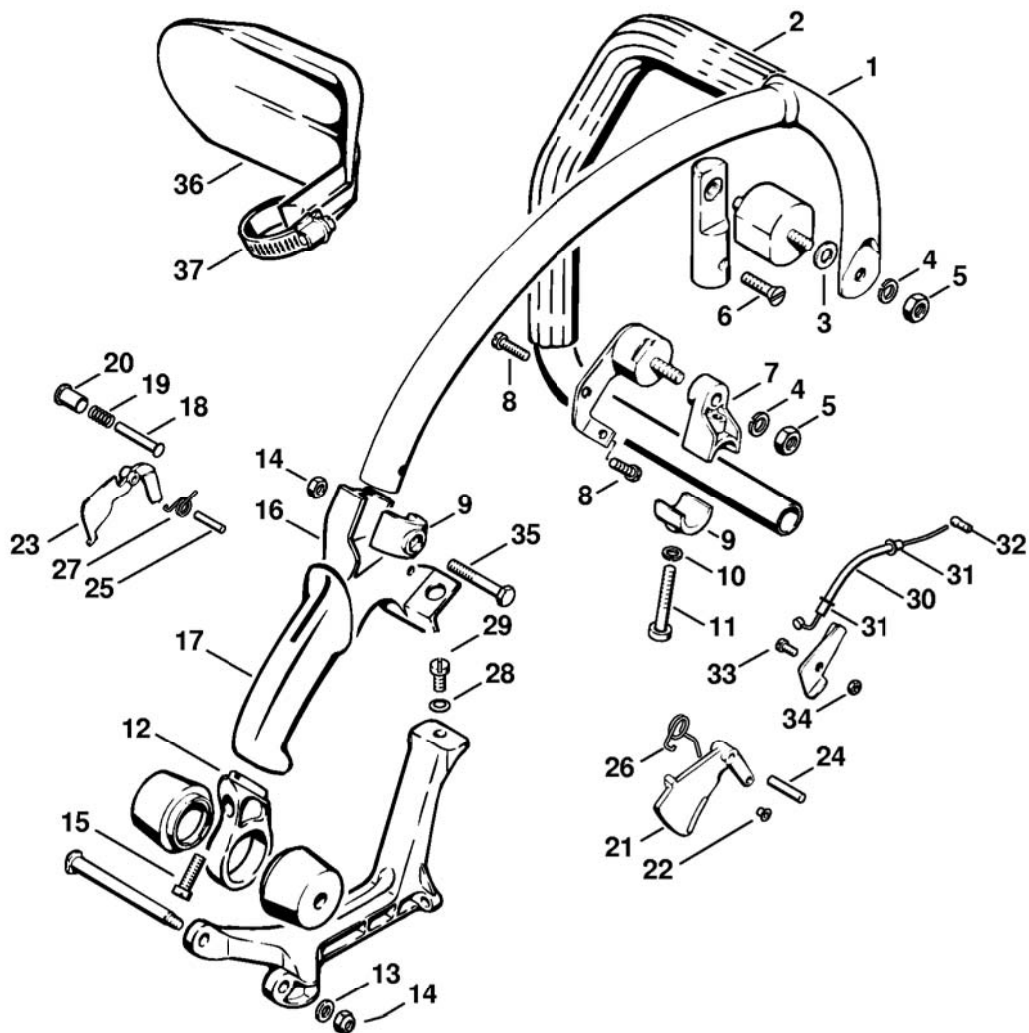
(1) 090 G, (2) 090, 090 AV



166ET033 SC

Ref.Nr.	Item code	Quantity	Description
	1106 890 1400	1	Tool kit □ 1 - 5
1	0000 891 0801	1	Tool roll
2	1106 890 3402	1	Combination wrench
3	0811 012 1152	1	Wrench 8x10
4	1107 191 1201	1	Locking screw
5	0811 270 1100	1	Allen key 5x110x70
6	0000 792 9130	1	Chain scabbard
			Extras:
7	0000 792 9133	1	Chain scabbard extension up to 90 cm
8	1106 893 4010	1	Filing gauge 1.2mm, 1/2" (C)
9	1106 893 4000	1	Filing gauge 0.404", 1/2"
10	0811 411 8108	1	Round file Ø 5.5x200mm (C)
11	0811 490 7860	1	File handle A100

(1) 090 G, (2) 090, 090 AV

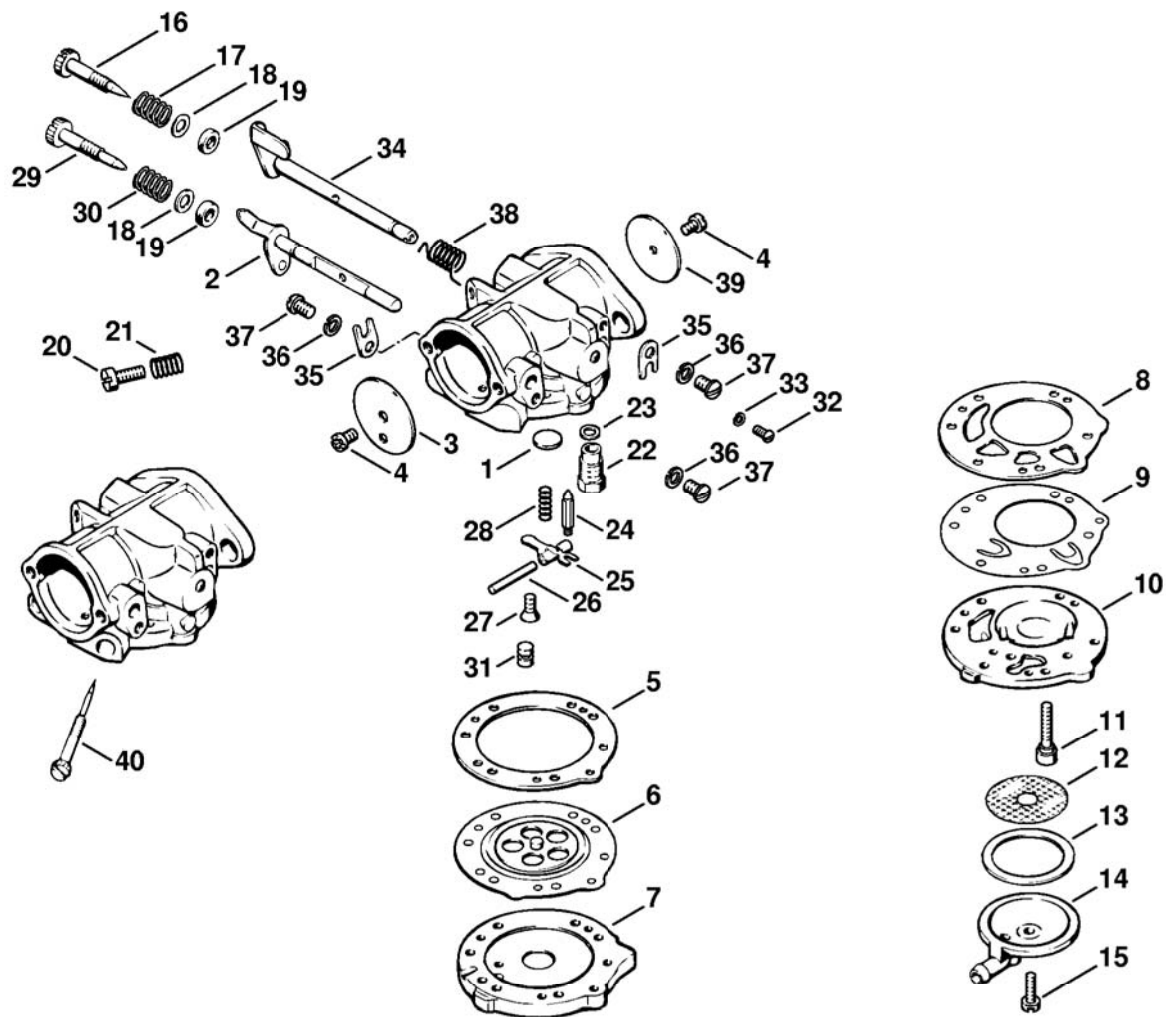


166ET034 SC

Illustration S AV-Handle

Ref.Nr.	Item code	Quantity	Description
1	* 1106 790 1516	1	Handlebar with hose → X 13 281 004 (35.84) □ 2
2	*	1	Handle hose 390mm / 15 3/8" → X 13 281 004 (35.84)
3	* 9291 021 0180	1	Washer 8.4 → X 13 281 004 (35.84)
4	* 9321 630 0180	2	Spring washer 8 → X 13 281 004 (35.84)
5	* 9210 260 1100	2	Hexagon nut M8 → X 13 281 004 (35.84)
6	* 9062 319 1350	1	Countersunk screw M6x25 → X 13 281 004 (35.84)
7	* 1106 791 5400	1	Support → X 13 281 004 (35.84)
8	* 9048 216 1010	2	Pan head screw M5x18 → X 13 281 004 (35.84)
9	* 1109 791 9000	2	Clamp → X 13 281 004 (35.84)
10	* 9334 630 0140	1	Spring washer 6 → X 13 281 004 (35.84)
11	* 9042 216 1400	1	Pan head screw M6x40 → X 13 281 004 (35.84)
12	* 1106 791 7610	1	Support → X 13 281 004 (35.84)
13	* 9291 021 0140	1	Washer 6.4 → X 13 281 004 (35.84)
14	* 9214 320 0900	2	Lock nut M6 → X 13 281 004 (35.84)
15	* 9048 216 1320	1	Pan head screw M6x20 → X 13 281 004 (35.84)
16	* 1106 790 0305	1	Handle → X 13 281 004 (35.84) □ 17 - 27
17	* 1106 791 2205	1	Rubber grip → X 13 281 004 (35.84)
18	* 1113 182 8901	1	Pin → X 13 281 004 (35.84)
19	* 0000 997 0603	1	Compression spring → X 13 281 004 (35.84)
20	* 1113 182 9305	1	Starting throttle lock → X 13 281 004 (35.84)
21	* 1106 180 1506	1	Throttle trigger → X 13 281 004 (35.84) □ 22
22	* 9415 415 3140	1	Hollow rivet 4x0.3x5 → X 13 281 004 (35.84)
23	* 1106 182 0800	1	Trigger interlock → X 13 281 004 (35.84)
24	* 9371 470 2640	1	Cylindrical pin 5x24 → X 13 281 004 (35.84)
25	* 9373 470 2130	1	Cylindrical pin 4x20 → X 13 281 004 (35.84)
26	* 1108 182 4500	1	Torsion spring → X 13 281 004 (35.84)
27	* 0000 998 0802	1	Torsion spring → X 13 281 004 (35.84)
28	* 9322 630 0140	1	Spring washer 6 → X 13 281 004 (35.84)
29	* 9041 216 1260	1	Pan head screw M6x12 → X 13 281 004 (35.84)
30	* 1106 180 1100	1	Throttle cable → X 13 281 004 (35.84) □ 31, 32
31	* 4308 182 8800	2	Terminal sleeve → X 13 281 004 (35.84)
32	* 0000 937 3000	1	Screw nipple → X 13 281 004 (35.84)
33	* 9041 216 0630	1	Pan head screw M4x8 → X 13 281 004 (35.84)
34	* 9210 260 0600	1	Hexagon nut M4 → X 13 281 004 (35.84)
35	* 9007 319 1400	1	Hexagon head screw M6x40 → X 13 281 004 (35.84)
36	* 1108 790 9100	1	Hand guard → X 13 281 004 (35.84) □ 37
37	* 9771 021 2250	1	Hose clip 20-32 → X 13 281 004 (35.84)

(1) 090 G, (2) 090, 090 AV



166ET027 SC

Illustration T Carburetor HL-324A

Ref.Nr.	Item code	Quantity	Description
1	* 6503 122 9410	1	Plug
2	* 1106 120 7203	1	Choke shaft with lever
3	* 1106 121 2900	1	Choke shutter
4	* 1106 122 7400	2	Round head screw
5	* 6503 129 0910	1	Gasket
6	* 6503 121 4700	1	Metering diaphragm
7	* 6503 121 0500	1	Pump housing
8	* 1108 129 1100	1	Gasket
9	* 1106 121 4803	1	Pump diaphragm
10	* 6503 121 0400	1	Top
11	* 6503 122 7710	6	Oval head screw
12	* 6503 121 7810	1	Strainer
13	* 6503 129 3010	1	Sealing ring
14	* 6503 121 0800	1	End cover
15	* 6503 122 7700	1	Oval head screw
16	* 1108 122 6800	1	Low speed adjustment screw
17	* 1106 122 3000	1	Spring
18	* 1106 129 3500	2	Sealing ring
19	* 1106 129 2300	2	Gasket
20	* 4201 122 6200	1	Idle speed adjustment screw
21	* 6503 122 3020	1	Spring
	* 1106 120 9611	1	Inlet needle set with lever □ 22 - 25, 28
22	* 1106 120 8803	1	Inlet needle valve □ 23, 24
23	* 6503 129 2500	1	Gasket
24	* 1108 121 5100	1	Inlet needle
25	* 1106 121 5000	1	Inlet control lever
26	* 1106 121 9200	1	Spindle
27	* 1110 122 7800	1	Oval head screw
28	* 1110 122 3020	1	Spring
29	* 1108 122 6700	1	High speed adjustment screw
30	* 1106 122 3000	1	Spring
31	* 1106 121 5400	1	Valve jet
32	* 1106 122 7201	1	Pan head screw
33	* 1106 122 8700	1	Spring washer
34	* 1106 120 7101	1	Throttle shaft with lever
35	* 6503 122 9300	2	Clip
36	* 6503 122 8710	3	Spring washer
37	* 6503 122 7720	3	Oval head screw
38	* 1106 122 3202	1	Torsion spring
39	* 1106 121 3301	1	Throttle shutter
	* 1106 007 1060	1	Set of carburetor parts □ 5, 6, 8, 9, 13, 19, 23
40	* 1106 122 6701	1	High speed adjustment screw → 6 628 730

(1) 090 G, (2) 090, 090 AV

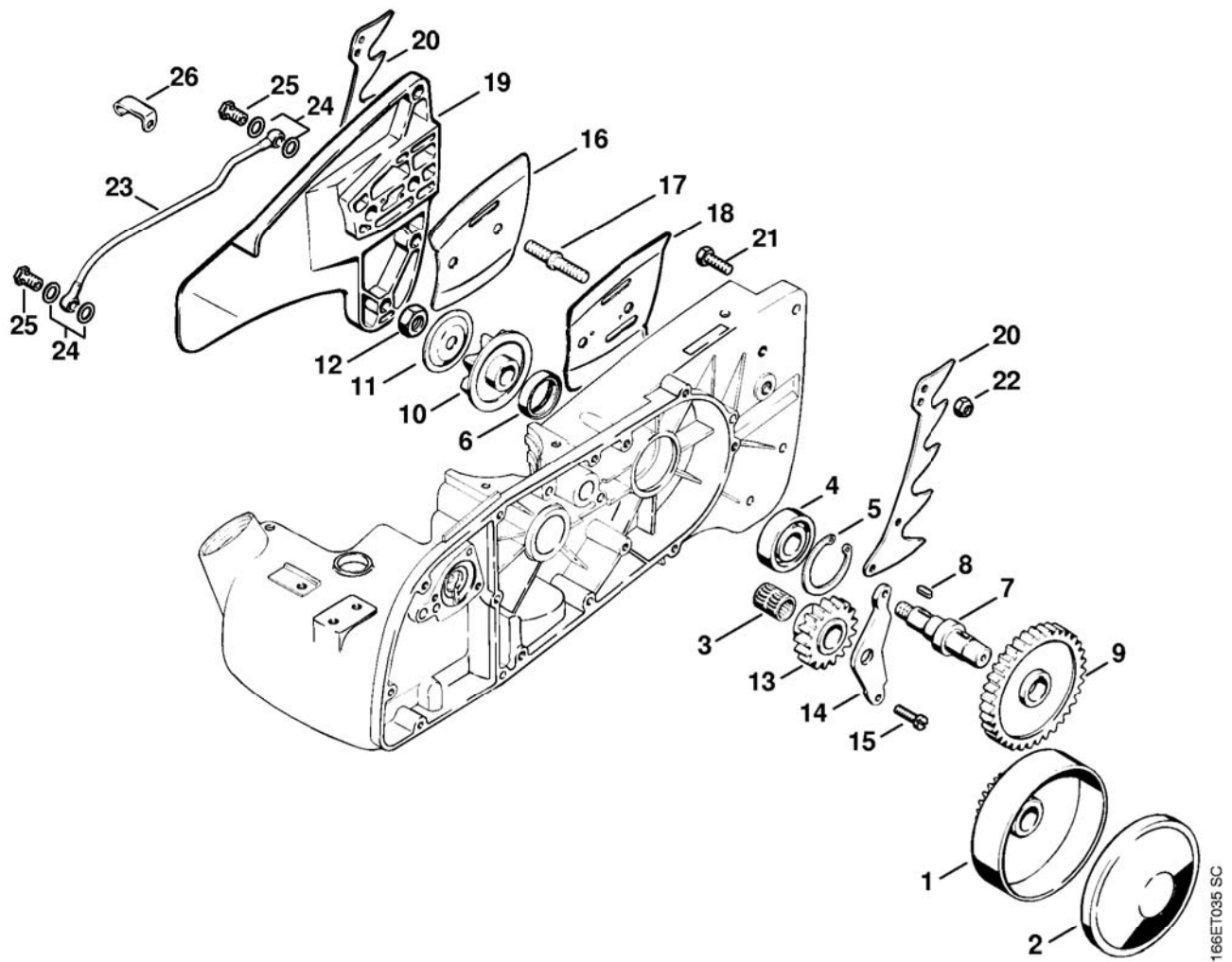


Illustration U Gear head 090G

Ref.Nr.		Item code	Quantity	Description
1	*	1109 640 2500	1	Drive pinion (1)
2	*	1109 162 2800	1	Cap (C) (1)
3	*	9512 933 4050	1	Needle cage 15x18x22 (1)
4	*	9503 003 0440	1	Grooved ball bearing 6203 (1)
5	*	9456 621 4330	1	Circlip 40x1.75 (1)
6	*	9640 003 2530	1	Oil seal 22x32x7 (1)
7	*	1109 642 0601	1	Drive shaft (C) (1)
8	*	9470 435 0900	2	Key 5x3x14 (1)
9	*	1109 642 1510	1	Spur gear (C) (1)
10	*	1109 642 1400	1	Chain sprocket 1/2" 7T (C) (1)
10	*	1109 642 1310	1	Chain sprocket 0.404" 8T (C) (1)
11	*	1109 642 7801	1	Washer (C) (1)
12	*	9210 261 1340	1	Hexagon nut M10x1 (1)
13	*	1109 642 1500	1	Spur gear (C) (1)
14	*	1109 642 7700	1	Support (C) (1)
15	*	9048 216 1010	2	Pan head screw M5x18 (1)
16	*	1107 664 1000	1	Inner side plate (C) (1)
17	*	0000 953 6602	2	Stud (1)
18	*	1107 664 1100	1	Outer side plate (1)
19	*	1109 648 0400	1	Chain sprocket cover (C) (1)
20	*	1106 664 0510	2	Bumper spike (1)
21	*	9008 319 1310	6	Hexagon head screw M6x18 (1)
22	*	9214 320 0900	6	Lock nut M6 (1)
23	*	1109 640 3300	1	Oil line (C) (1)
24	*	9636 965 0640	4	Sealing ring 8x12 (1)
25	*	9170 794 0230	2	Banjo bolt 2/3" (1)
26	*	1109 647 6000	1	Tube clamp (C) (1)

(1) 090 G, (2) 090, 090 AV