

PARTS MANUAL

MODEL
EX27
Engine

EX270D10230

06/16



SUBARU

Industrial Power Products

Subaru Industrial Power Products

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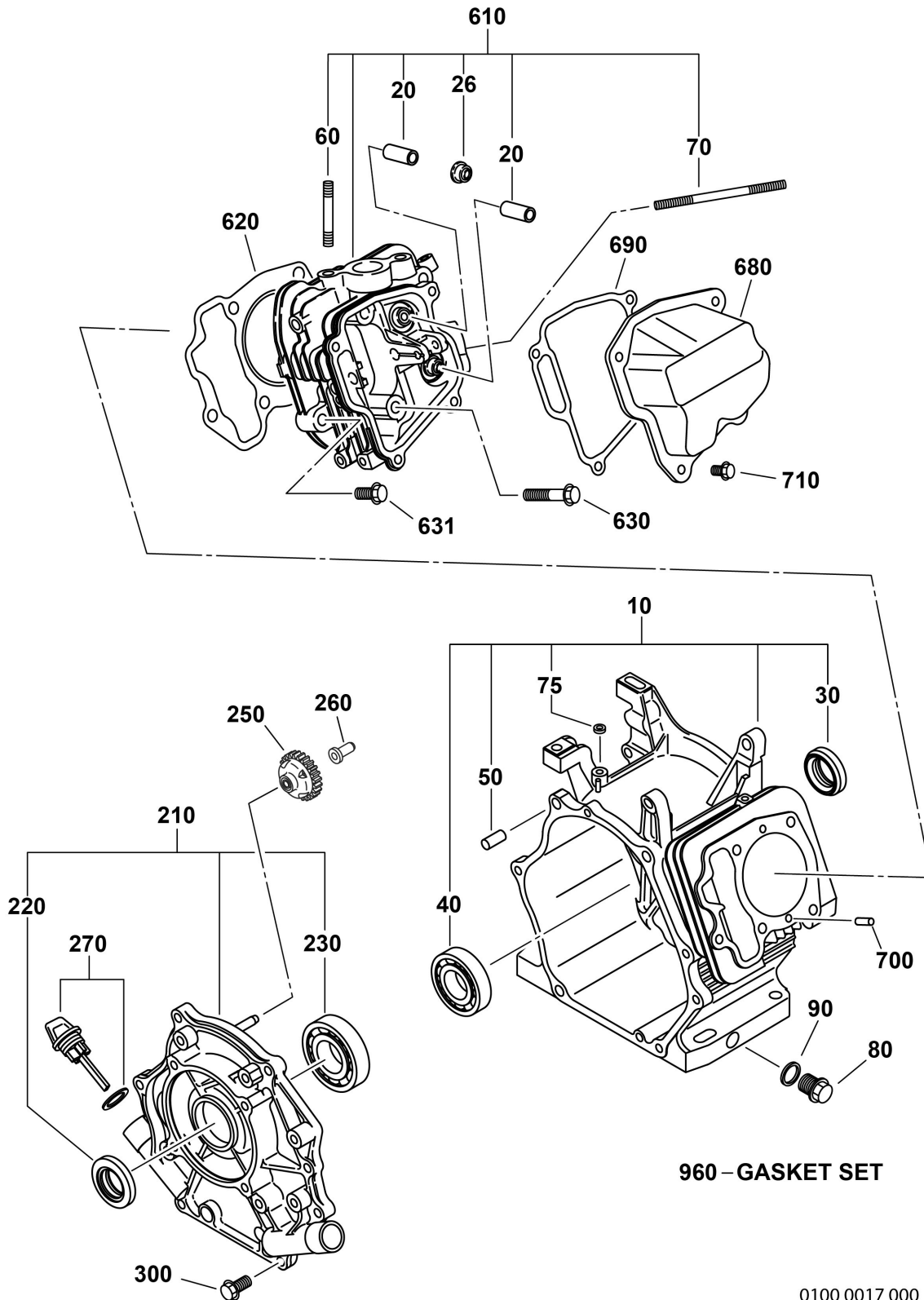
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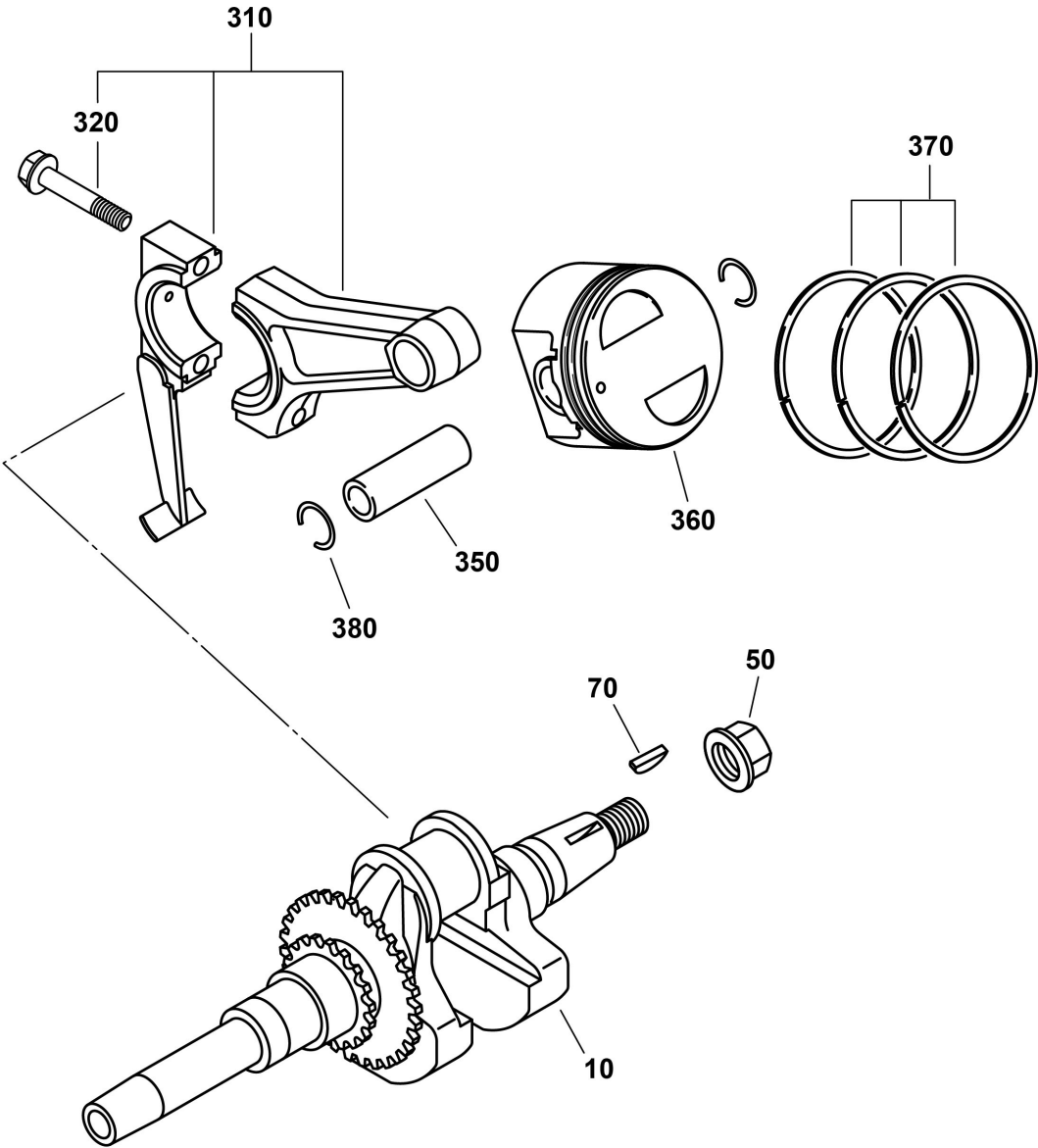
100 Crankcase



100 Crankcase

Ref	Part Number.	Description	Qty	Remark
10	279-10122-01	CRANKCASE CP	1	
20	237-14202-03	VALVE GUIDE	2	5.5DX9.5DX27L
26	277-16010-01	STEM SEAL	1	5.5DX9.5DX15DX7.8B
30	044-03001-60	OIL SEAL	1	25DX38DX7B
40	060-03003-70	BALL BEARING	1	28DX58DX16B
50	277-15011-03	PIPE KNOCK	2	
60	010-50802-50	STUD (M8X1.25X25)	2	
70	010-50604-10	STUD (M6X1X107)	2	
75	044-00600-20	OIL SEAL	1	
80	040-11400-30	OIL DRAIN PLUG	2	
90	021-11400-20	GASKET 14	2	
210	279-11101-41	MAIN BEARING COVER CP	1	
220	044-03001-60	OIL SEAL	1	
230	060-03003-70	BALL BEARING	1	
250	277-45004-K1	GOVERNOR GEAR CP	1	
260	277-41902-01	GOVERNOR SLEEVE	4	
270	279-63601-30	OIL GAUGE ASSY	2	
300	001-04083-50	FLANGE BOLT (M8X35)	7	
610	279-13001-21	CYLINDER HEAD CP	1	
620	279-15001-33	GASKET (HEAD)	1	
630	011-00802-40	FLANGE BOLT (M8X68)	4	
631	011-00803-10	FLANGE BOLT (M8X33)	1	
680	277-15503-01	ROCKER COVER CP	1	
690	277-16001-13	GASKET	1	
700	277-15011-03	PIPE KNOCK	2	
710	011-00600-20	FLANGE BOLT (M6X12)	4	
960	279-99001-37	GASKET SET	1	

200 Crankshaft

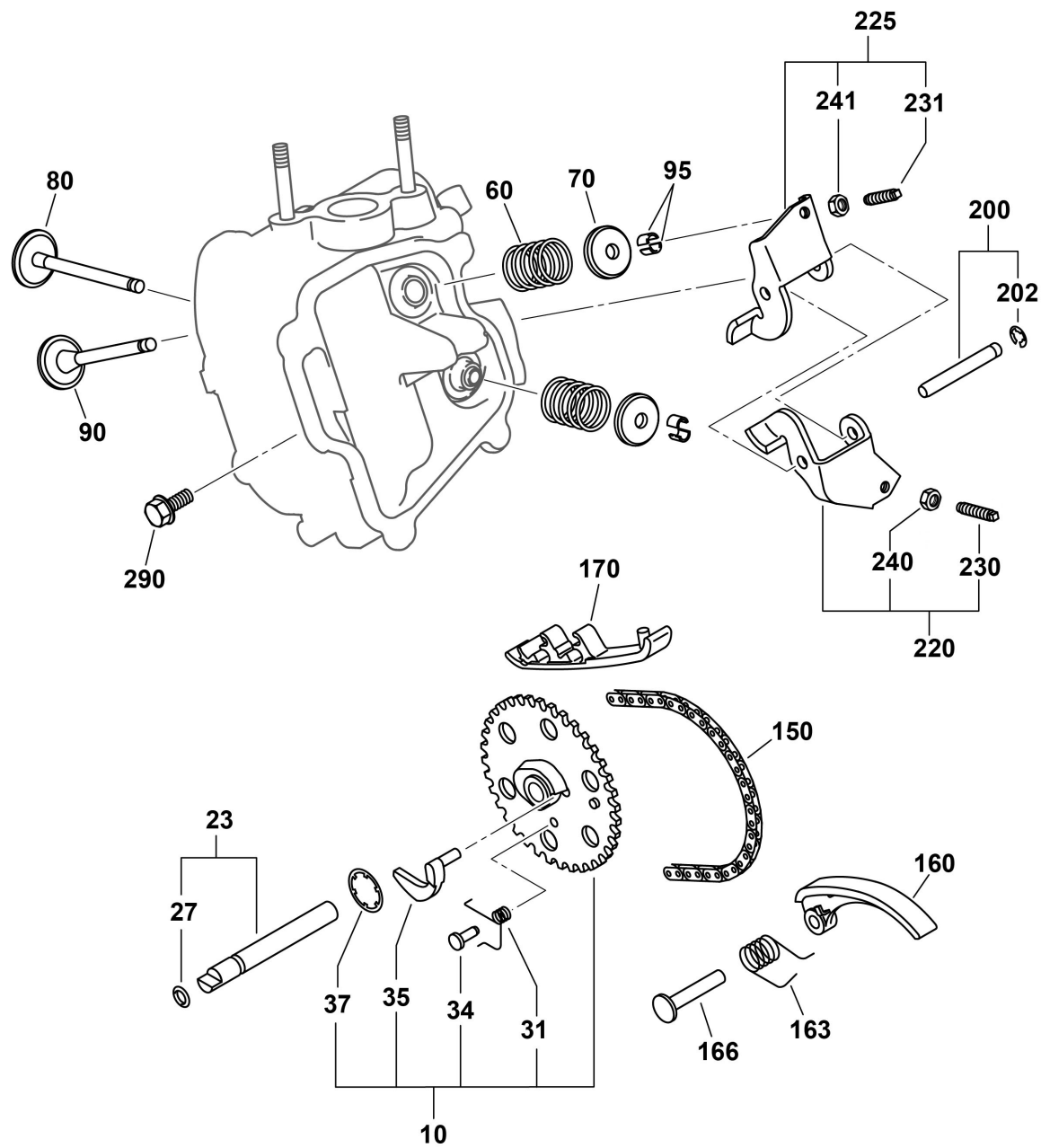


0200 0018 000

200 Crankshaft

Ref	Part Number.	Description	Qty	Remark
10	279-20301-51	CRANKSHAFT CP	1	
50	018-01800-10	FLANGE NUT (M18)	1	
70	032-30300-10	WOODRUFF KEY (3X6X16)	1	
310	279-22501-30	CONNECTING ROD ASSY	1	104.5CDX26B 34.5D-18
320	279-23001-03	BOLT (M7X40)	2	
350	279-23301-13	PISTON PIN (18X13X53)	1	
360	279-23401-H3	PISTON	1	STANDARD
360	279-23403-H3	PISTON	1	0.25 OVERSIZED
360	279-23404-H3	PISTON	1	0.50 OVERSIZED
370	279-23501-27	PISTON RING SET	1	STANDARD
370	279-23502-27	PISTON RING SET	1	0.25 OVERSIZED
370	279-23503-27	PISTON RING SET	1	0.50 OVERSIZED
380	056-51800-10	CLIP	2	18.9DX1.6D

300 Intake & Exhaust



0300 0022 000

300 Intake & Exhaust

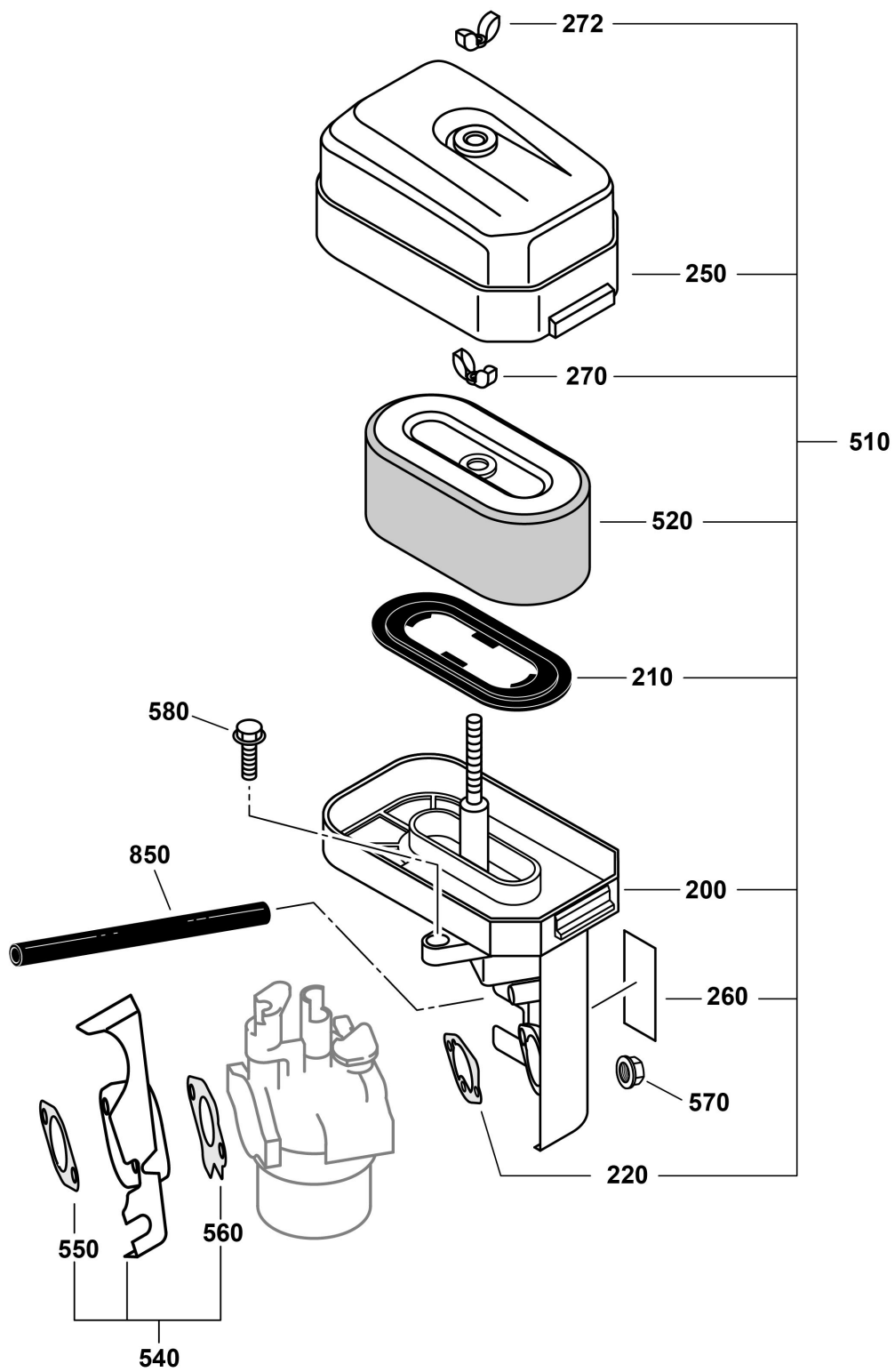
Ref	Part Number.	Description	Qty	Remark
10	279-31601-31	CAMSHAFT CP ¹	1	
10	279-31601-41	CAMSHAFT CP ²	1	
23	277-35101-01	CAMSHAFT PIN CP	1	
27	024-00600-30	O-RING	1	
31	277-38703-33	RETURN SPRING	1	
34	277-38601-03	SPRING PIN	1	
35	279-36401-13	RELEASE LEVER	1	
37	277-36501-03	CLIP	1	13.8DX20.3DX0.4T
60	279-33601-03	VALVE SPRING	2	19.2DX2.3DX27.4L
70	269-33701-03	SPRING RETAINER	2	
80	279-33401-H3	INTAKE VALVE	1	28.5DX5.5DX67.8L
90	279-33501-H3	EXHAUST VALVE	1	26.5DX5.5DX67.8L
95	132-10KA0-31	VALVE COLLET	4	
150	279-35602-H1	TIMING CHAIN CP (100 LINK)	1	
160	20A-36911-03	TENTIONER	1	
163	277-37101-03	TENTIONER SPRING	1	
166	277-36902-03	TENTIONER PIN	1	6DX13DX34L
170	20A-36913-03	CHAIN GUIDE	1	
200	277-35004-01	ROCKER PIN CP	1	
202	003-13050-00	CLIP	1	5DX11DX0.6T
220	277-36201-00	INTAKE ROCKER ARM ASSY	1	
225	277-36202-00	EXHAUST ROCKER ARM ASSY	1	
230	014-90500-20	ADJUST SCREW (M5X23)	1	
231	014-90500-20	ADJUST SCREW (M5X23)	1	
240	017-00500-30	NUT (M5)	1	
241	017-00500-30	NUT (M5)	1	
290	011-00600-10	FLANGE BOLT (M6X8)	1	

Footnotes

1: Serial Number: 00000 - 10325

2: Serial Number: 10326 - 99999

315 Air Cleaner

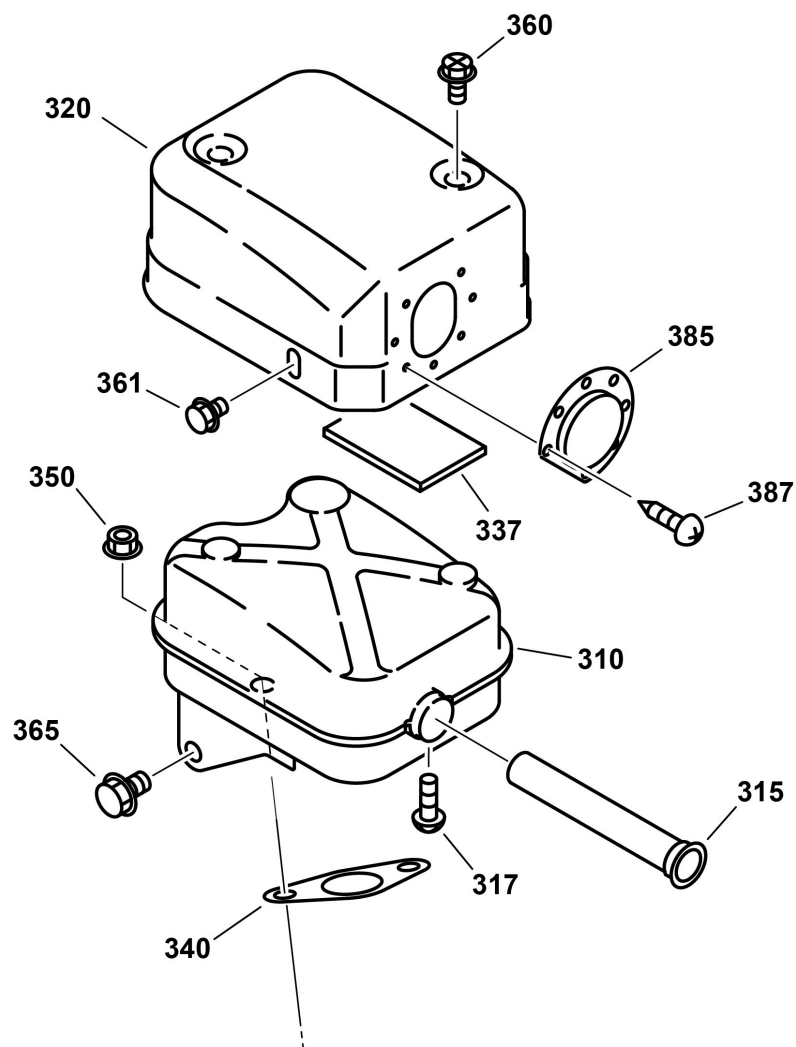


0315 0017 000

315 Air Cleaner

Ref	Part Number.	Description	Qty	Remark
510	279-32615-70	AIR CLEANER AY	1	DUAL
200	279-32634-48	BASE CP	1	
210	279-32720-08	SEAL	1	
220	279-32650-18	PACKING	1	
250	279-32643-18	COVER CP	1	
260	279-32730-08	LABEL	1	
270	279-32740-08	WING NUT	1	
272	279-32741-08	WING NUT	1	
520	279-32607-17	ELEMENT SET	1	DUAL
540	279-32902-J1	INSULATOR CP	1	
550	279-35903-J3	INSULATOR GASKET 2	1	
560	279-35902-J3	INSULATOR GASKET 1	1	
570	002-38060-00	FLANGE NUT (M6)	2	
580	001-04062-00	FLANGE BOLT (M6X20)	1	
850	279-32760-08	BREATHER PIPE (8X11X115)	1	

330 Muffler

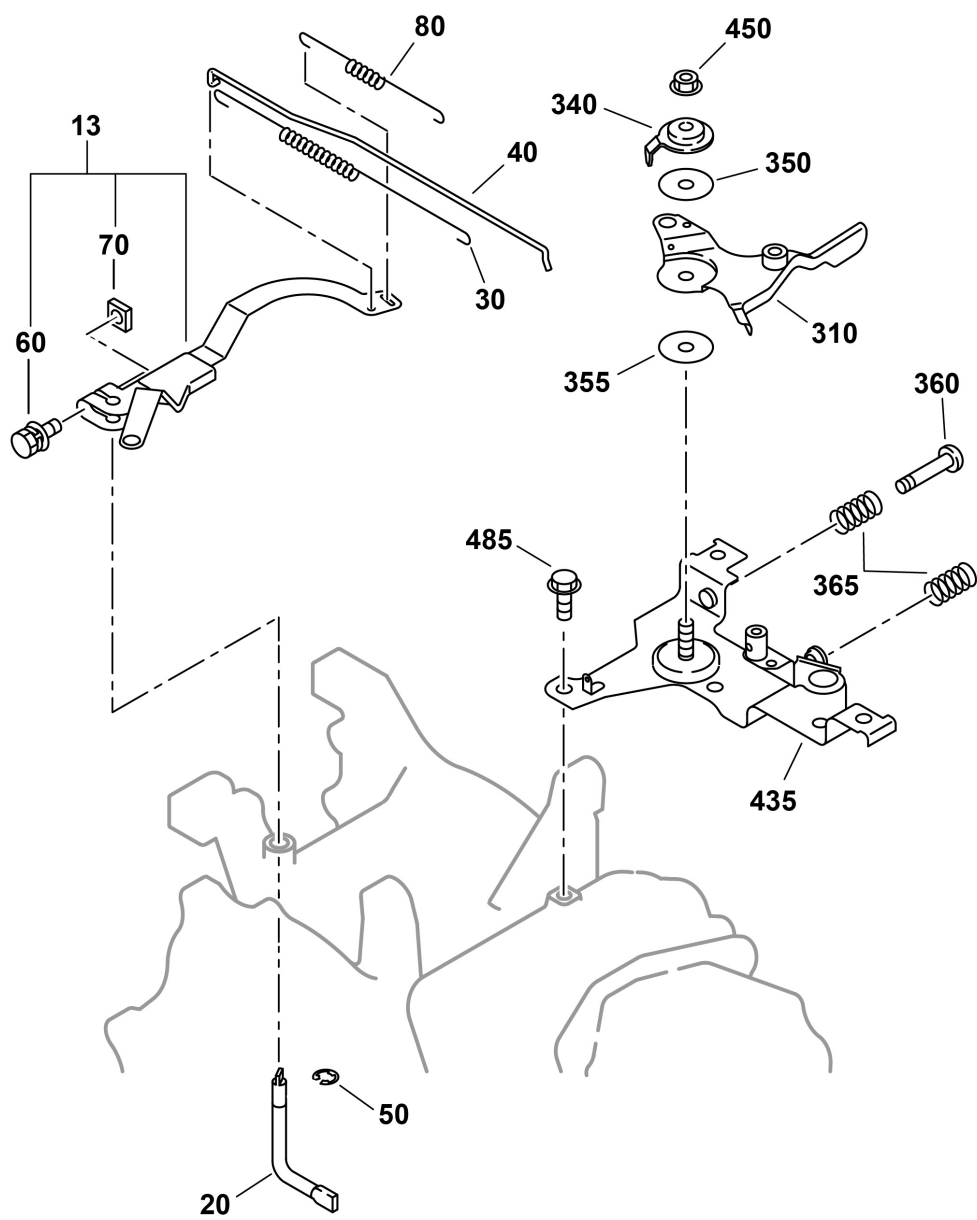


0330 0002 000

330 Muffler

Ref	Part Number.	Description	Qty	Remark
310	279-30111-L1	MUFFLER CP	1	
315	279-37601-01	SPARK ARRESTER CP	1	
317	015-00400-60	TAPPING SCREW (M4X6)	1	
320	279-34201-31	MUFFLER COVER CP	1	
340	277-35201-13	EXHAUST GASKET	1	
350	002-38080-00	FLANGE NUT (M8)	2	
360	015-20600-90	TAPPING BOLT (M6X10)	2	
365	011-00803-20	FLANGE BOLT (M8X12)	1	
361	011-00600-10	FLANGE BOLT (M6X8)	1	
385	277-37203-H1	SCREEN CP	1	
387	015-00400-60	TAPPING SCREW (M4X6)	2	

400 Governor

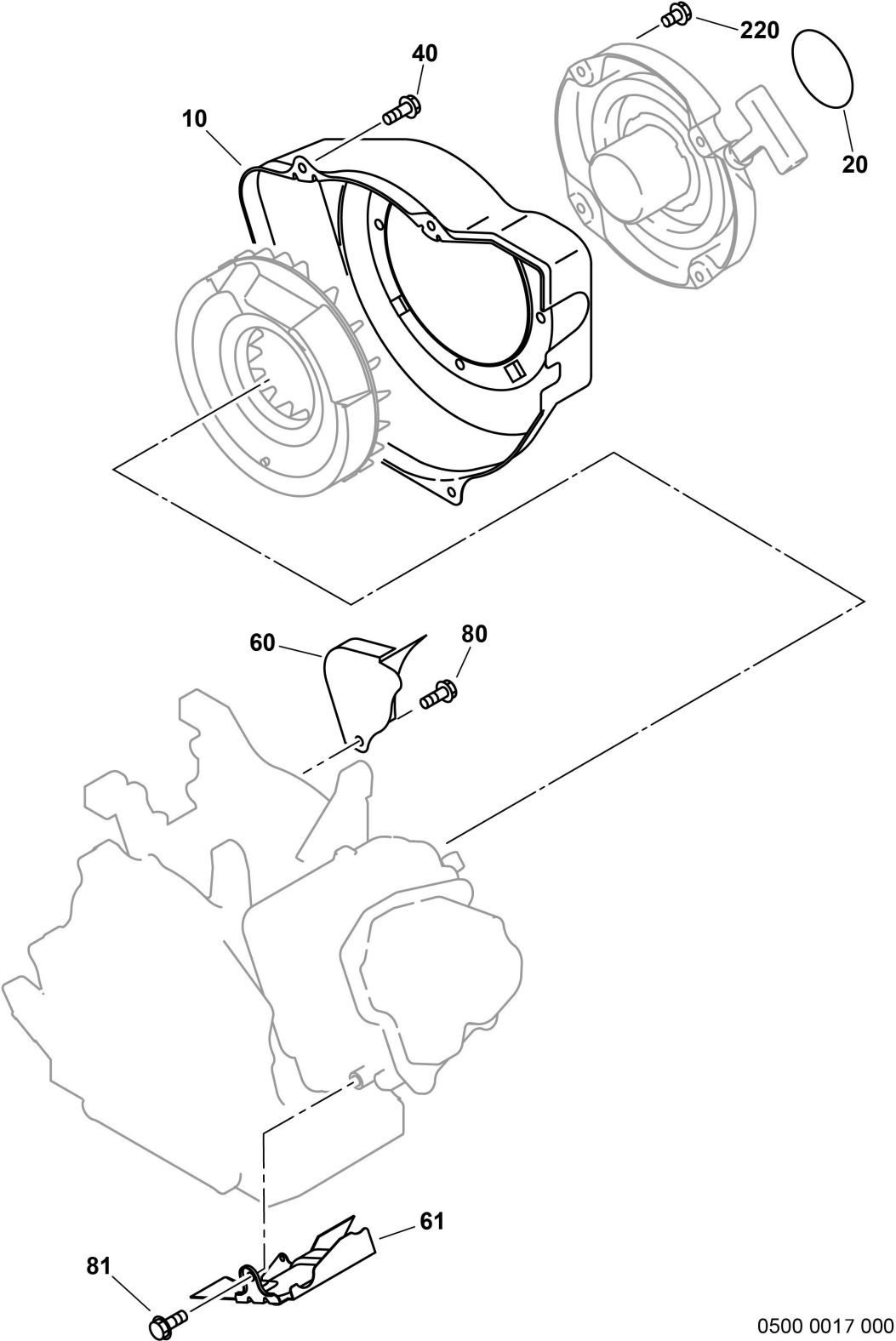


0400 0019 000

400 Governor

Ref	Part Number.	Description	Qty	Remark
13	279-42301-60	GOVERNOR LEVER AY	1	
20	277-42201-33	GOVERNOR SHAFT	1	
30	279-42701-23	GOVERNOR ROD	1	
40	277-42801-23	ROD SPRING	1	
50	003-13050-00	CLIP	1	5DX11DX0.6T
60	001-14062-50	BOLT & WASHER ASSY (M6X25)	1	
70	018-60600-20	SQUARE NUT (M6)	1	
310	277-43303-03	SPEED CONTROL LEVER	1	
80	279-42502-73	GOVERNOR SPRING	1	
340	277-43502-03	STOP PLATE	1	
350	277-44501-03	WASHER	1	T=0.4
355	021-70600-70	FRICTION WASHER	1	6.5DX24DX0.8T NYLON
360	004-31062-50	SCREW (M6X25)	1	
365	237-45004-23	ADJUST SPRING	1	
435	277-46002-02	SPEED CONTROL BRACKET	1	
450	002-35060-00	LOCKNUT (M6)	1	
485	011-00600-20	FLANGE BOLT (M6X12)	2	

500 Cooling & Starting

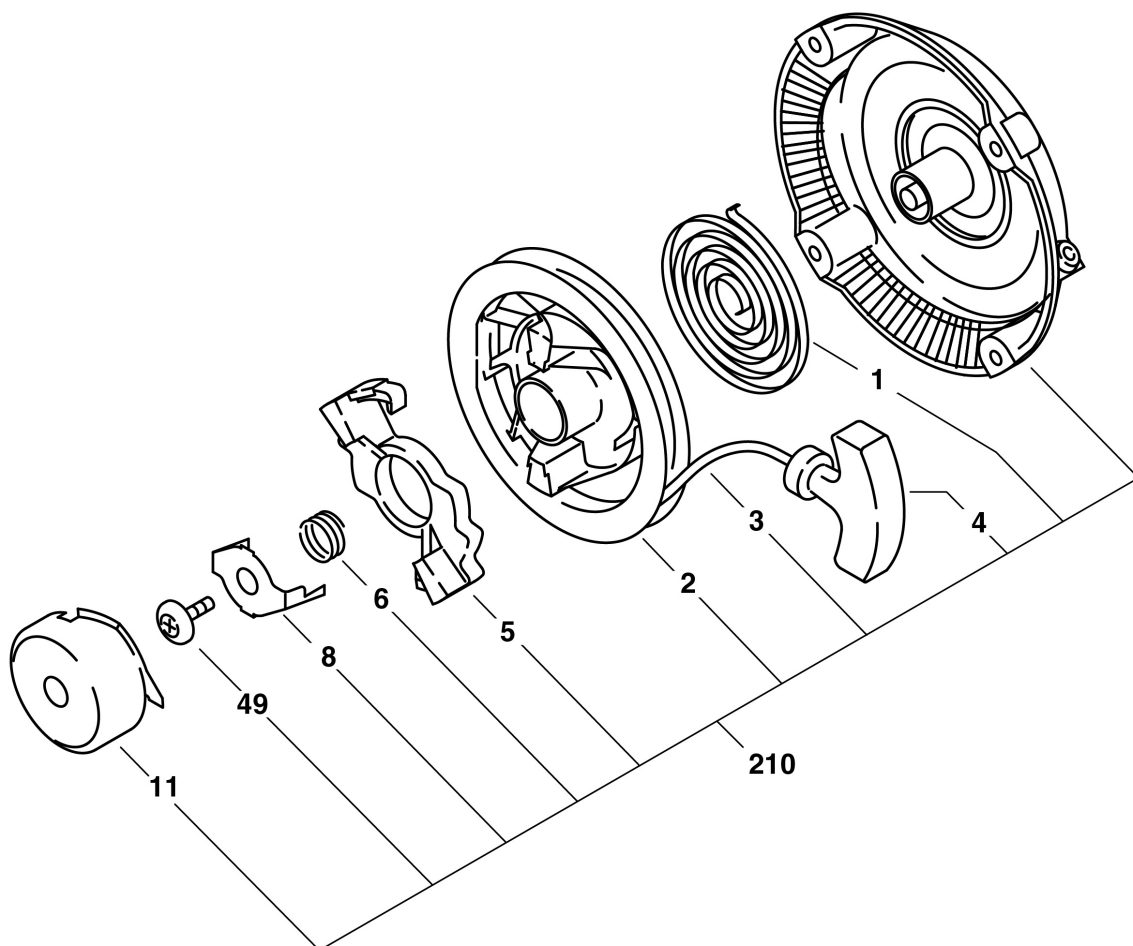


0500 0017 000

500 Cooling & Starting

Ref	Part Number.	Description	Qty	Remark
10	279-51202-01	BLOWER HOUSING CP (BLACK)	1	
20	073-20058-20	LABEL (TRADE MARK)	1	
40	011-00600-30	FLANGE BOLT (M6X14)	4	
60	279-52711-11	CASE BAFFLE 1 CP	1	
61	279-52702-13	HEAD BAFFLE 2	1	
80	001-65081-20	BOLT (M8X12)	1	
81	011-00600-20	FLANGE BOLT (M6X12)	1	
220	013-00602-81	BOLT & WASHER ASSY (M6X14)	4	

520 Recoil Starter

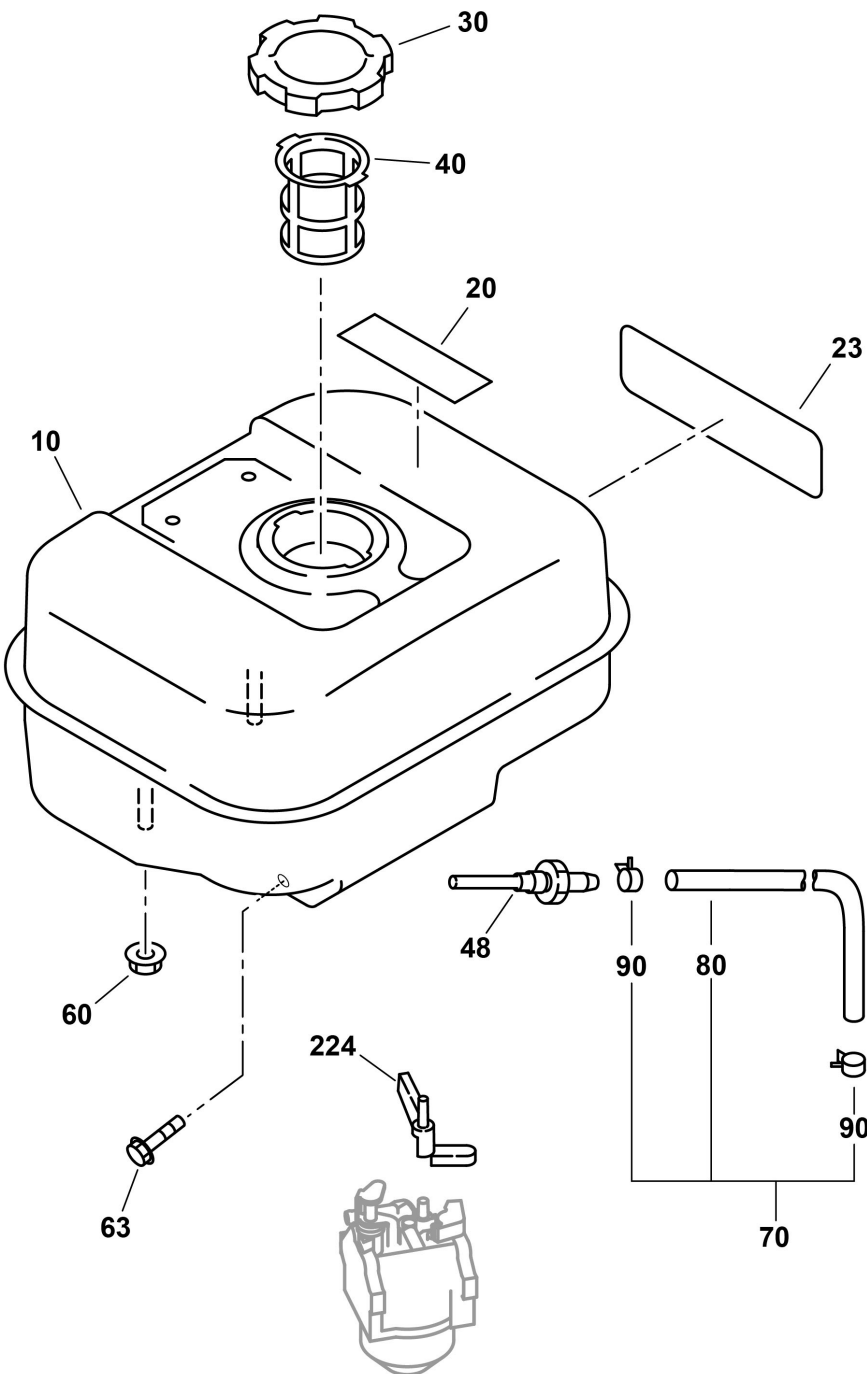


0520 0002 000

520 Recoil Starter

Ref	Part Number.	Description	Qty	Remark
210	279-50301-30	RECOIL STARTER AY	1	
1	226-50716-08	SPIRAL SPRING	1	
2	277-50121-08	REEL	1	
3	279-50110-08	STARTER ROPE	1	
4	277-50409-18	STARTER HANDLE	1	
5	281-50325-08	RATCHET	2	
6	281-50330-08	FRICTION SPRING	1	
8	281-50340-08	FRICTION PLATE	1	
11	279-50148-08	STARTER PULLEY	1	
49	281-50351-08	CENTER SCREW	1	

600 Fuel Tank

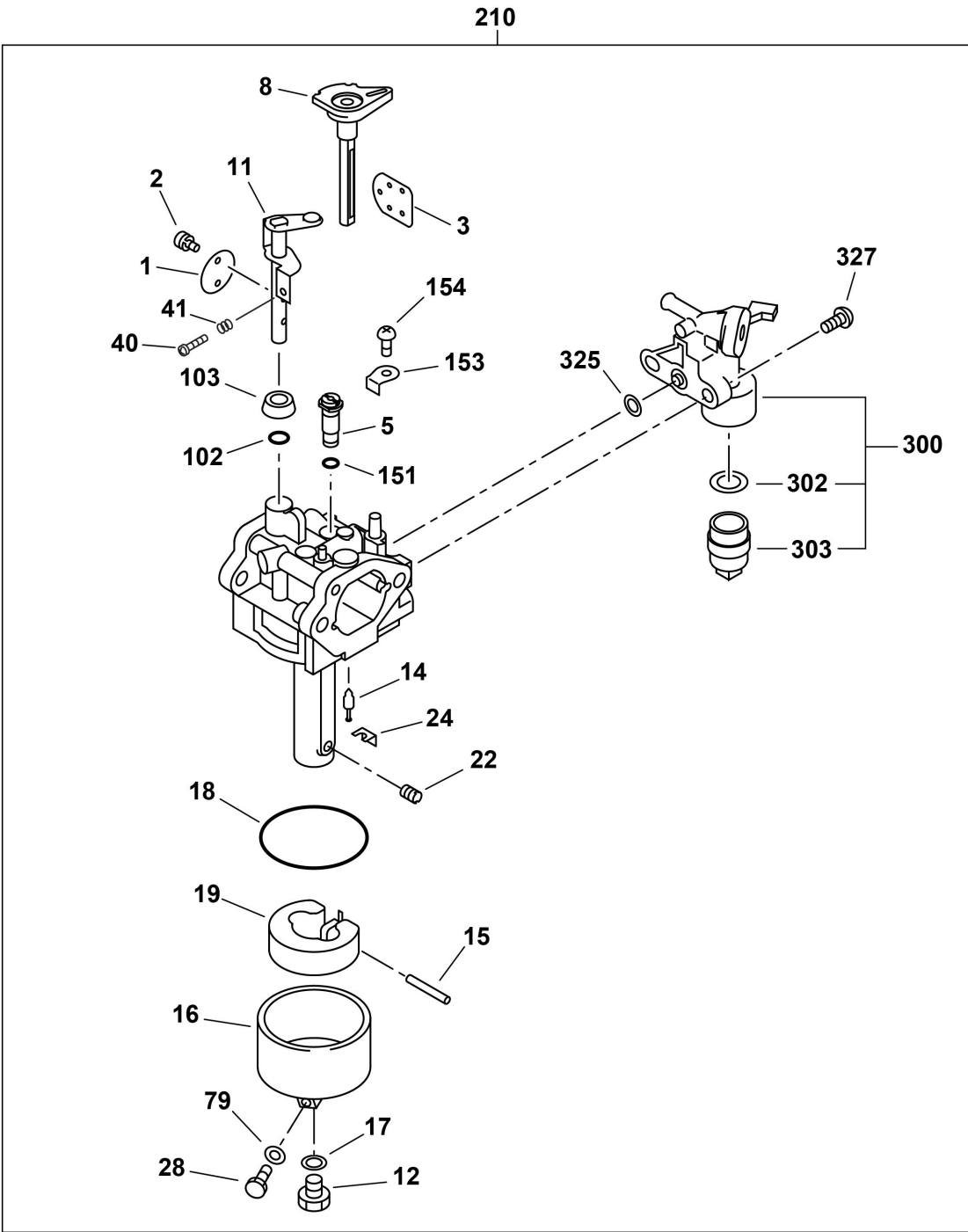


0600 0015 000

600 Fuel Tank

Ref	Part Number.	Description	Qty	Remark
10	279-60102-11	FUEL TANK CP (BLACK)	1	6.1 LITRE
20	073-20057-60	LABEL (WARNING)	1	
23	279-95112-03	LABEL (MODEL)	1	
30	X43-04401-62	FUEL TANK CAP CP	1	
40	X64-13600-10	FUEL FILTER	1	
48	X50-51200-20	UNION	1	M12X4DX78L W/FILTER
60	002-38080-00	FLANGE NUT (M8)	2	
63	011-00802-50	FLANGE BOLT (M8X25)	2	
70	279-62602-11	FUEL PIPE CP	1	
80	X85-10615-81	RUBBER PIPE (6.4X12.7X195)	1	
90	X56-11100-60	HOSE CLAMP	2	11.5DX8BX0.7T
224	277-43801-01	CHOKE LEVER CP	1	

640 Carburetor

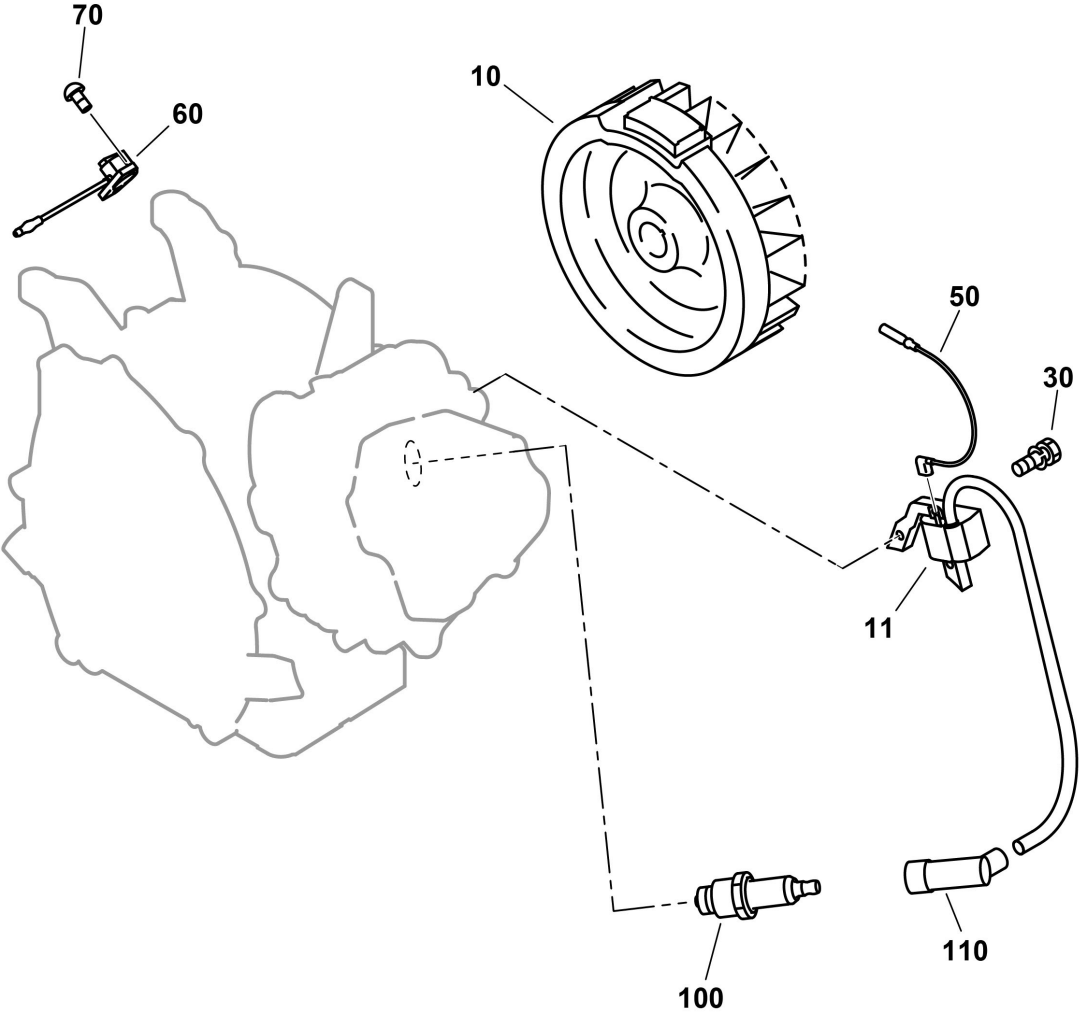


0640 0005 000

640 Carburetor

Ref	Part Number.	Description	Qty	Remark
210	279-62362-20	CARBURETOR AY	1	
1	279-62536-08	THROTTLE VALVE	1	
2	209-62351-08	SCREW	1	
3	279-62527-08	CHOKE VALVE	1	
5	279-62421-08	PILOT JET (#40)	1	
8	279-62522-08	CHOKE LEVER	1	
11	279-62533-08	THROTTLE SHAFT ASSY	1	
12	150-62358-08	BOLT	1	
14	224-62305-08	NEEDLE VALVE	1	
15	214-62515-08	PIN	1	
16	279-62506-08	FLOAT BODY ASSY	1	
17	207-62345-08	INSERT WASHER	1	
18	206-62540-08	PACKING	1	
19	234-62506-08	FLOAT ASSY	1	
22	279-62407-08	MAIN JET (#90)	1	
24	226-62701-18	CLIP	1	
28	279-62361-08	BOLT	1	
40	106-62556-08	SCREW	1	
41	283-62357-08	SPRING	1	
79	279-62541-08	WASHER	1	
102	246-62390-08	SEAL	1	
103	279-62551-08	RING	1	
151	106-62384-08	O-RING	1	
153	279-62360-08	PLATE	1	
154	279-62351-08	SCREW	1	
300	279-62103-20	COCK BODY ASSY	1	
302	277-62110-18	PACKING	1	
303	277-62100-18	CUP	1	
325	277-62552-08	O-RING	1	
327	165-62377-08	SCREW	2	

700 Electric Device

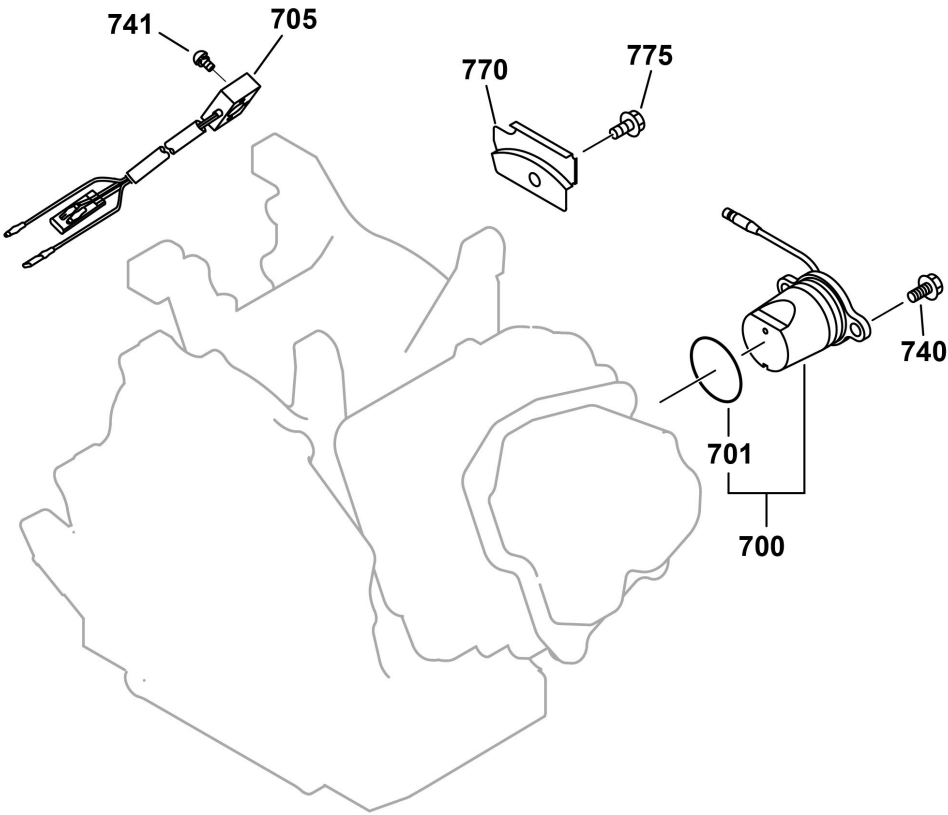


0700 0025 000

700 Electric Device

Ref	Part Number.	Description	Qty	Remark
10	279-79230-21	FLYWHEEL CP	1	
11	279-79430-11	IGNITION COIL CP	1	
30	001-04062-00	FLANGE BOLT (M6X20)	2	
50	277-73102-H1	WIRE 2 CP ¹	1	L=360 BLACK
60	066-00004-91	SWITCH AY	1	
70	015-00400-90	TAPPING SCREW (M4X12)	2	
100	X65-01430-50	SPARK PLUG	1	TORCH E6RC
110	X65-50002-70	SPARK PLUG CAP	1	
Footnotes				
1: SERIAL NUMBER: 00000 - 10221				

770 Electric Device

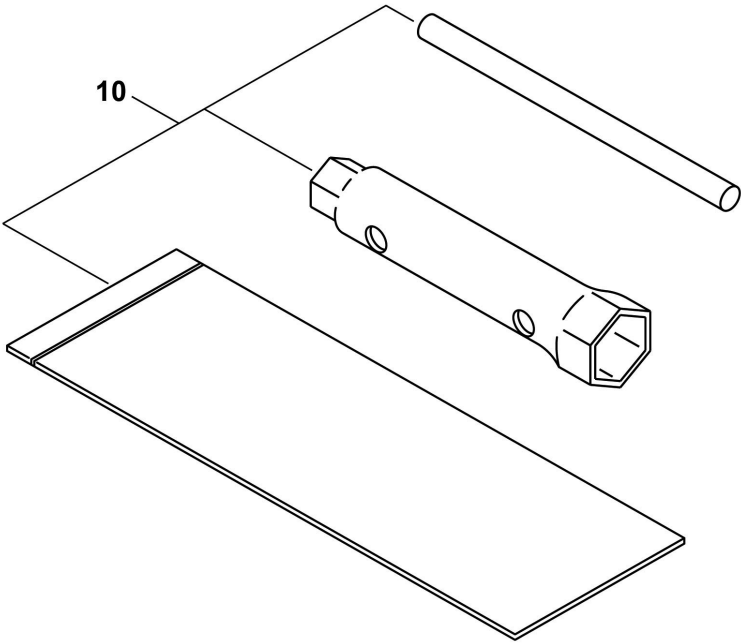


0770 0012 000

770 Electric Device

Ref	Part Number.	Description	Qty	Remark
700	279-76301-61	OIL SENSOR CP	1	
701	277-76350-08	O-RING	1	
705	KU3-11043-11	FLOAT C/U CP3	1	
740	001-04061-40	FLANGE BOLT	2	
741	011-00600-10	FLANGE BOLT (M6X8)	1	
770	279-75501-23	WIRE CLAMP	1	
775	015-20600-50	TAPPING BOLT	1	

900 Accessories



2900 0004 000

900 Accessories

Ref	Part Number.	Description	Qty	Remark
10	277-90301-J0	ACCESSORY TOOL KIT	1	

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