

PARTS MANUAL

MODEL EX270DE5010

Parts

**Manual for
Billy Goat**

EX270DE5010

01/14



SUBARU

Industrial Power Products

Subaru Industrial Power Products

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FIG. 100

610

60 20 26 70

620 690 680

631 630 710

10

46 40 50 75 30

285 270 280

250 260

210 220 230 235

281 275

300

700 930

90 80

110, 125 100 110, 125 120

960- GASKET SET

EX27

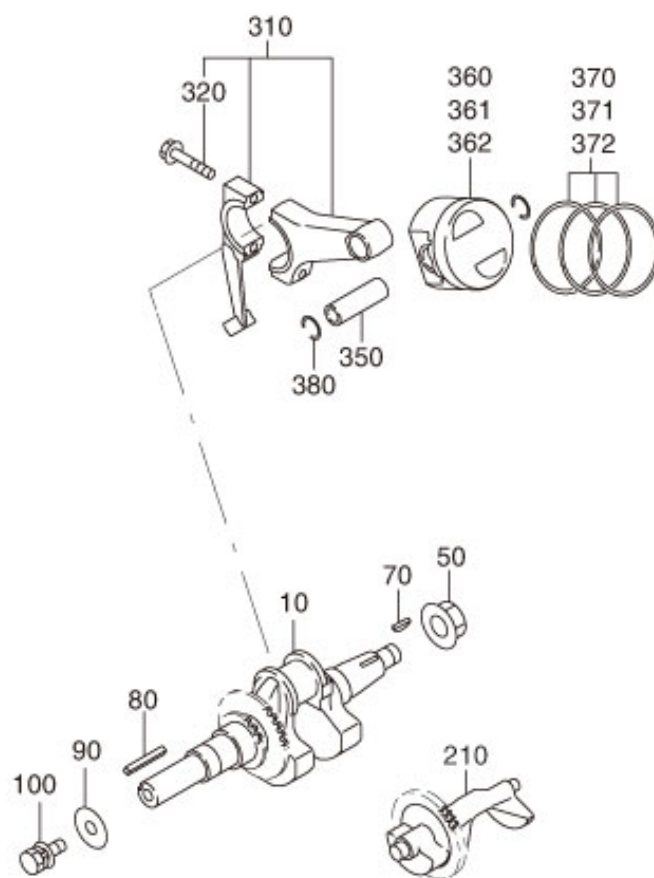
279010001W00

100 Crankcase

Ref	Part Number.	Description	Qty	Remark
10	279-10106-01	CRANK CASE CP	1.00	
20	237-14202-03	VALVE GUIDE	2.00	
26	277-16010-01	STEM SEAL	1.00	
30	044-03001-60	OIL SEAL	1.00	
40	060-03003-41	BALL BEARING	1.00	
50	277-15011-03	PIPE KNOCK	2.00	
60	010-50802-50	STUD	2.00	
70	010-50604-10	STUD	2.00	
75	044-00600-20	OIL SEAL	1.00	
80	040-11400-30	PLUG	1.00	
90	021-11400-20	GASKET	1.00	
210	279-11002-11	MAIN BEARING COVER C	1.00	
220	044-03001-60	OIL SEAL	1.00	
230	060-03003-70	BALL BEARING	1.00	
250	277-45004-J1	GOVERNOR GEAR CP	1.00	
260	277-41901-03	GOVERNOR SLEEVE	1.00	
270	279-63601-13	OIL GAUGE	2.00	
280	021-32000-50	GASKET	1.00	
300	001-04083-50	FLANGE BOLT	7.00	
610	279-13001-21	CYLINDER HEAD CP	1.00	
620	279-15001-33	GASKET (HEAD)	1.00	
630	011-00802-40	FLANGE BOLT	4.00	
631	011-00803-10	FLANGE BOLT	1.00	
680	277-15503-01	ROCKER COVER CP	1.00	
690	277-16001-13	GASKET(ROCKER COVER)	1.00	
700	277-15011-03	PIPE KNOCK	2.00	
710	011-00600-20	FLANGE BOLT	4.00	
960	279-99001-27	GASKET SET	1.00	

200 Crankshaft

FIG. 200



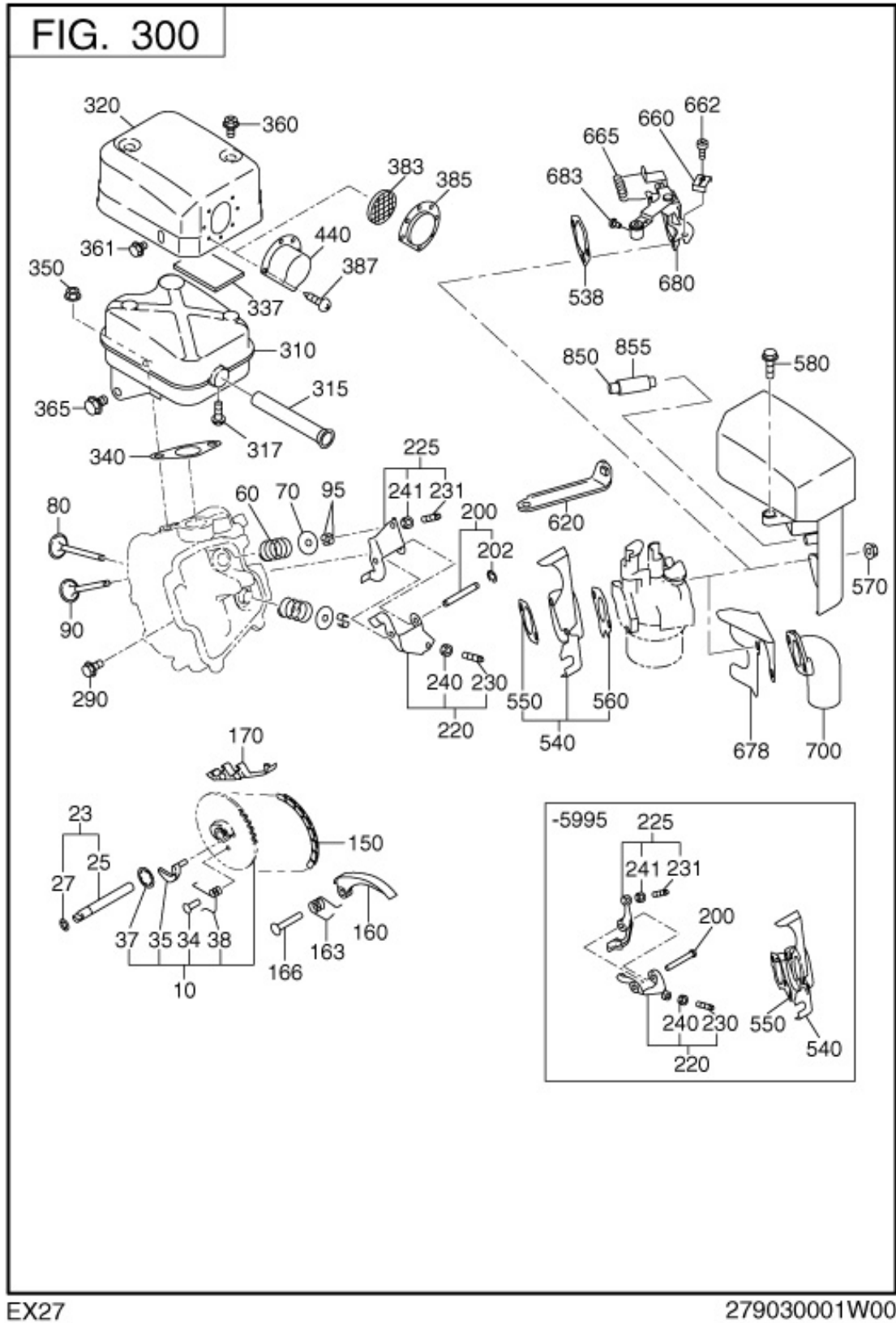
EX27

279020000W01

200 Crankshaft

Ref	Part Number.	Description	Qty	Remark
10	279-20901-61	CRANK SHAFT CP	1.00	
50	018-01800-10	FLANGE NUT	1.00	
70	032-30300-10	WOODRUFF KEY	1.00	
80	207-26001-03	KEY	1.00	
310	279-22501-20	CONNECTING ROD AY	1.00	
320	279-23001-03	CONNECTING ROD BOLT	2.00	
350	279-23301-13	PISTON PIN	1.00	
360	279-23401-H3	PISTON	1.00	
370	279-23511-17	PISTON RING SET	1.00	
380	056-51800-10	CLIP	2.00	

300 Intake & Exhaust



300 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
10	279-31601-01	CAM SHAFT CP	1.00	
25	277-35101-03	PIN(CAM SHAFT)	1.00	
27	024-00600-10	O RING	1.00	
34	277-38601-03	PIN(SPRING)	1.00	
35	279-36401-03	RELEASE LEVER	1.00	
37	277-36501-03	CLIP	1.00	
38	277-38701-03	RETURN SPRING	1.00	
60	279-33601-03	VALVE SPRING	2.00	
70	269-33701-03	SPRING RETAINER	2.00	
80	279-33401-H3	INTAKE VALVE	1.00	
90	279-33501-H3	EXHAUST VALVE	1.00	
95	132-10KA0-31	COLLET-VALVE	4.00	
150	279-35602-11	TIMING CHAIN CP	1.00	
160	277-36911-03	TENTIONER	1.00	
163	277-37101-03	SPRING(TENTIONER)	1.00	
166	277-36902-03	PIN(TENTIONER)	1.00	
170	277-36913-13	CHAIN GUIDE	1.00	
200	277-35004-01	PIN(ROCKER) CP	1.00	
202	003-13050-00	CLIP	1.00	
220	277-36201-00	ROCKER ARM(IN) AY	1.00	
225	277-36202-00	ROCKER ARM(EX) AY	1.00	
230	014-90500-20	ADJUST SCREW	1.00	
231	014-90500-20	ADJUST SCREW	1.00	
240	017-00500-30	NUT	1.00	
241	017-00500-30	NUT	1.00	
290	011-00600-10	FLANGE BOLT	1.00	
310	279-30111-L1	MUFFLER CP	1.00	
315	279-37601-01	SPARK ARRESTER CP	1.00	
317	015-00400-60	TAPPING SCREW	1.00	
320	279-34201-21	MUFFLER COVER CP	1.00	
340	277-35201-13	GASKET(MUFFLER)	1.00	
350	002-38080-00	FLANGE NUT	2.00	
360	015-20600-90	TAPPING BOLT	2.00	
361	011-00600-10	FLANGE BOLT	1.00	
365	011-00803-20	FLANGE BOLT	1.00	
387	015-00400-60	TAPPING SCREW	2.00	
440	277-37001-H1	DEFLECTOR CP	1.00	
540	279-32902-J1	INSULATOR CP	1.00	
560	279-35902-J3	GASKET1(INSULATOR)	1.00	

300 Intake & Exhaust

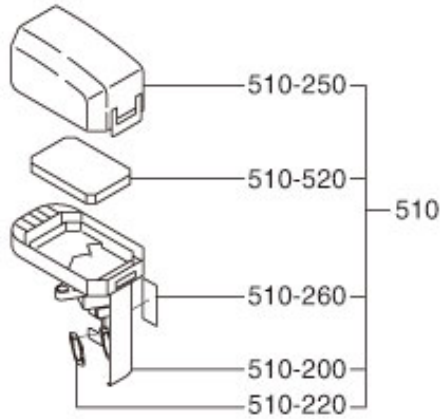
Ref	Part Number.	Description	Qty	Remark
570	980-20082-80	FLANGE NUT	2.00	
580	001-04062-00	FLANGE BOLT	1.00	

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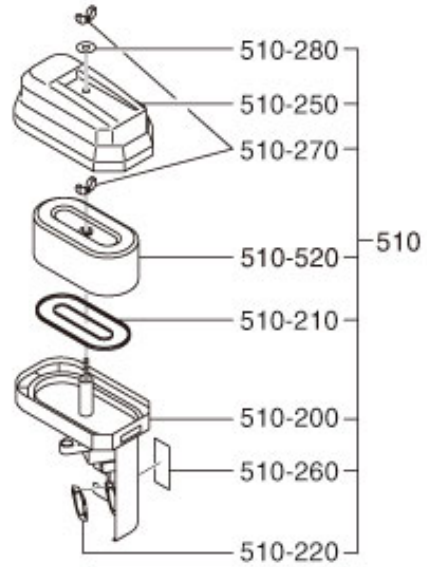
315 Intake & Exhaust

FIG. 315

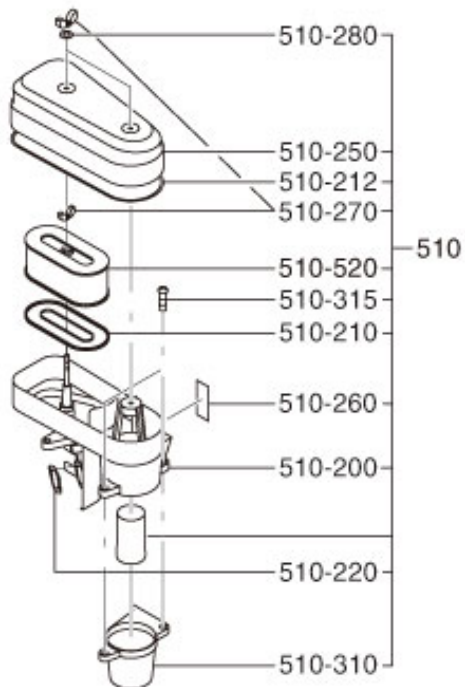
URETHANE FOAM



DUAL ELEMENT



PRE CLEANER



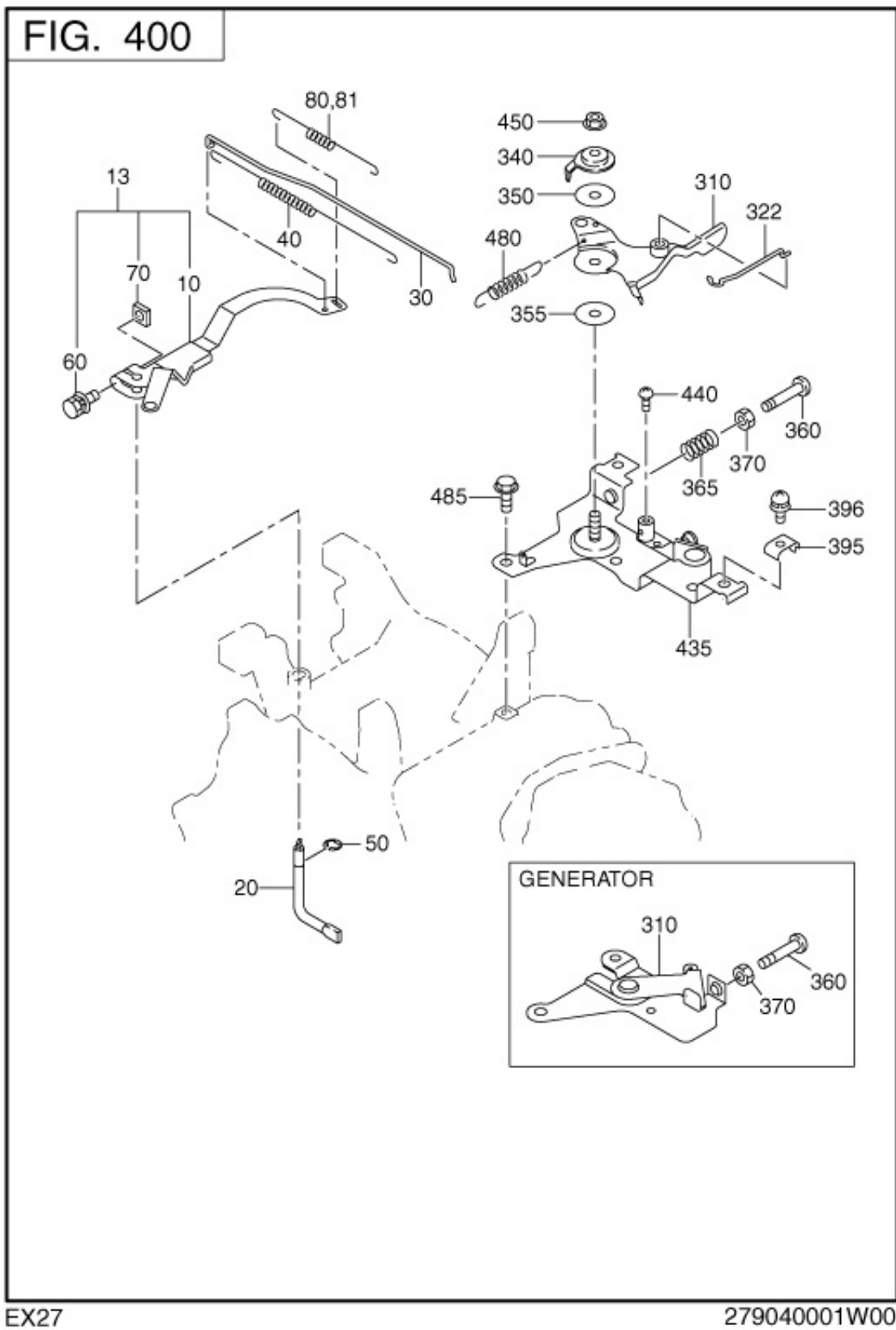
EX27

279031500W01

315 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
510	279-32615-60	AIR CLEANER AY	1.00	
510-200	279-32634-48	ELBOW COMP,AIR/C	1.00	
510-210	279-32720-08	PACKING	1.00	
510-220	279-32650-18	GASKET	1.00	
510-250	279-32643-18	COVER	1.00	
510-260	279-32730-08	LABEL	1.00	
510-270	279-32740-08	NUT	2.00	
510-520	279-32606-18	ELEMENT SET	1.00	

400 Governor

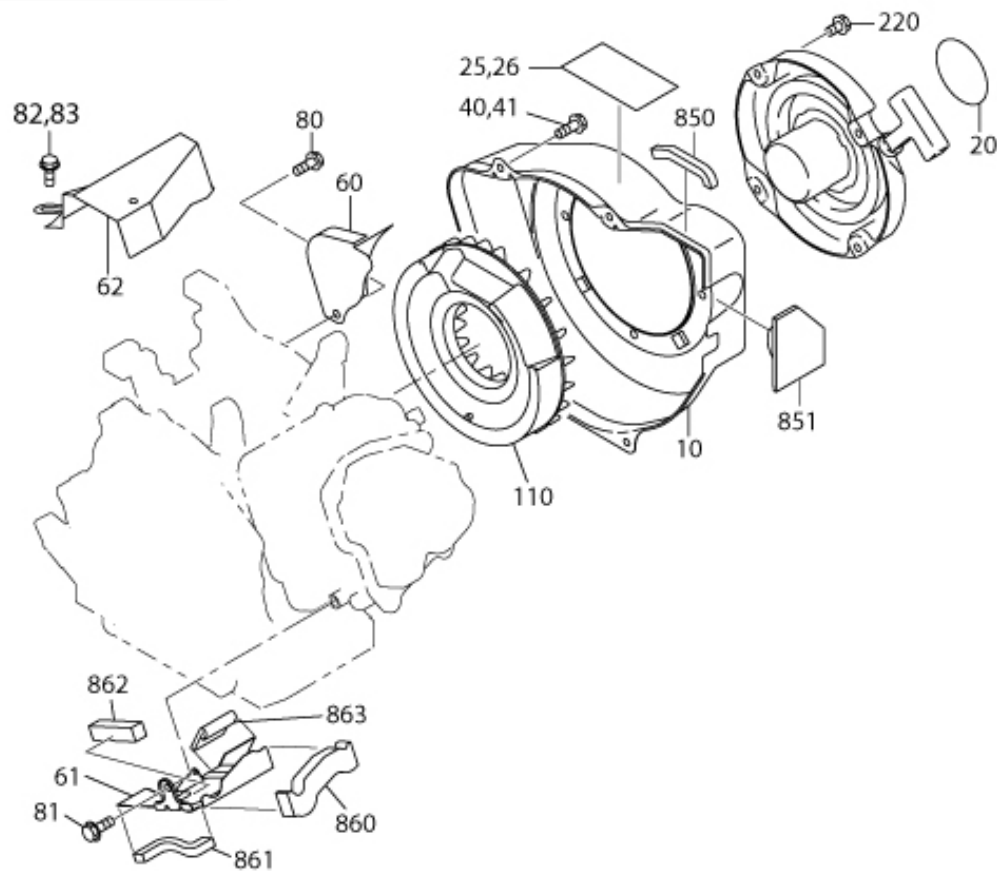


400 Governor

Ref	Part Number.	Description	Qty	Remark
10	279-42301-53	GOVERNOR LEVER	1.00	
20	277-42201-33	GOVERNOR SHAFT	1.00	
30	279-42701-11	GOVERNOR ROD CP	1.00	
40	277-42801-23	ROD SPRING	1.00	
50	003-13050-00	CLIP	1.00	
60	013-00602-40	BOLT AND WASHER AY	1.00	
70	018-60600-20	NUT	1.00	
80	279-42502-63	GOVERNOR SPRING	1.00	
310	277-43303-01	SPEED CONT.LEVER CP	1.00	
322	277-43701-01	LINK ROD CP	1.00	
340	277-43502-03	STOP PLATE	1.00	
350	277-44501-03	WASHER	1.00	
355	021-70600-70	FRICTION WASHER	1.00	
360	004-31062-50	SCREW,PANHEAD	1.00	
365	237-45004-23	SPRING (ADJUST)	1.00	
395	277-43902-03	CLAMP	1.00	
396	013-10500-30	SCREW AND WASHER AY	1.00	
435	277-46002-01	SPEED CONT.BRKT CP	1.00	
440	004-31040-80	SCREW	1.00	
450	002-35060-00	SELF LOCK NUT	1.00	
480	277-45103-03	RETURN SPRING	1.00	
485	011-00600-20	FLANGE BOLT	2.00	

500 Cooling & Starting

FIG. 500



EX27

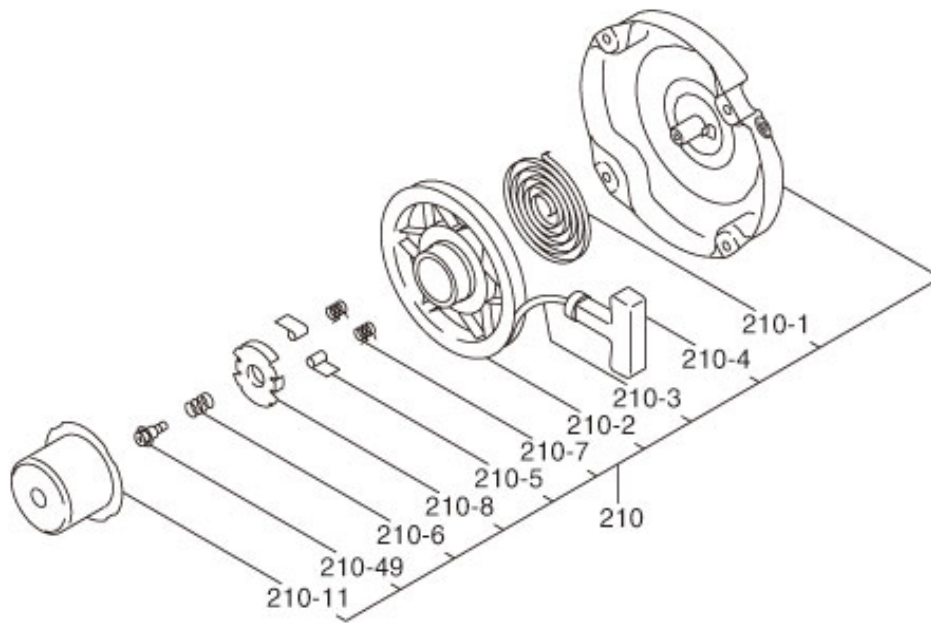
279050000W02

500 Cooling & Starting

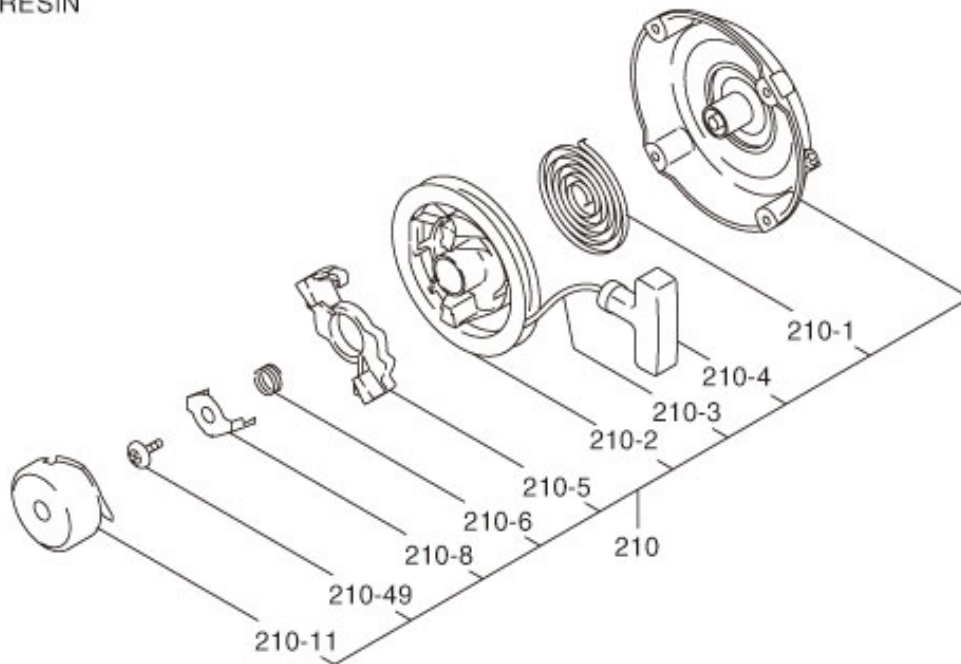
Ref	Part Number.	Description	Qty	Remark
10	279-51202-01	BLOWER HOUSING CP	1.00	
20	073-20054-70	LABEL(TRADE MARK)	1.00	
40	011-00600-30	FLANGE BOLT	4.00	
60	279-52711-11	BAFFLE 1(CASE) CP	1.00	
61	279-52702-13	BAFFLE 2(HEAD)	1.00	
81	011-00600-20	FLANGE BOLT	1.00	
220	011-00600-10	FLANGE BOLT	4.00	

520 Cooling & Starting

FIG. 520



RESIN



EX27

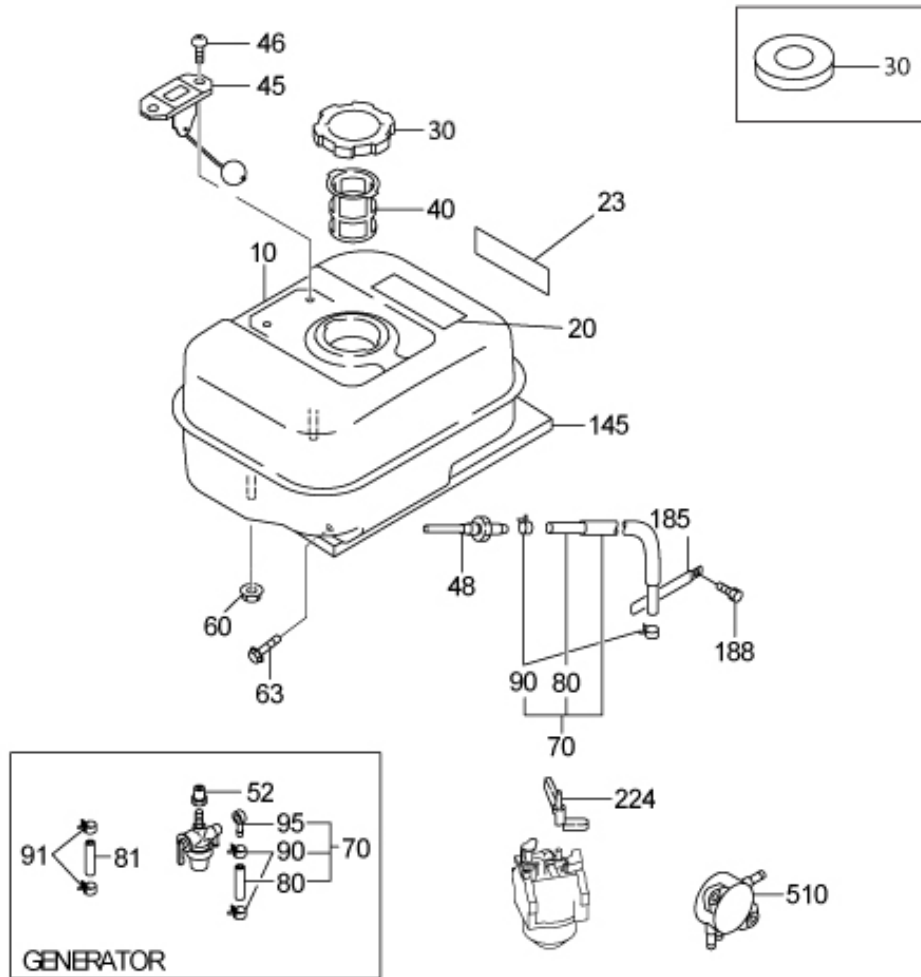
279052000W01

520 Cooling & Starting

Ref	Part Number.	Description	Qty	Remark
210	279-50202-00	RECOIL STARTER AY	1.00	
210-1	226-50716-08	SPIRAL SPRING	1.00	
210-2	277-50120-08	REEL	1.00	
210-3	279-50110-08	STARTER ROPE	1.00	
210-4	226-50701-08	STARTER KNOB	1.00	
210-5	279-50125-08	RACHET	2.00	
210-6	226-50731-08	FRICTION SPRING	1.00	
210-8	226-50741-08	FRICTION PLATE	1.00	
210-11	279-50145-08	STARTER PULLEY	1.00	
210-49	226-50753-18	CENTER SCREW	1.00	

600 Fuel & Lubricant

FIG. 600



EX27

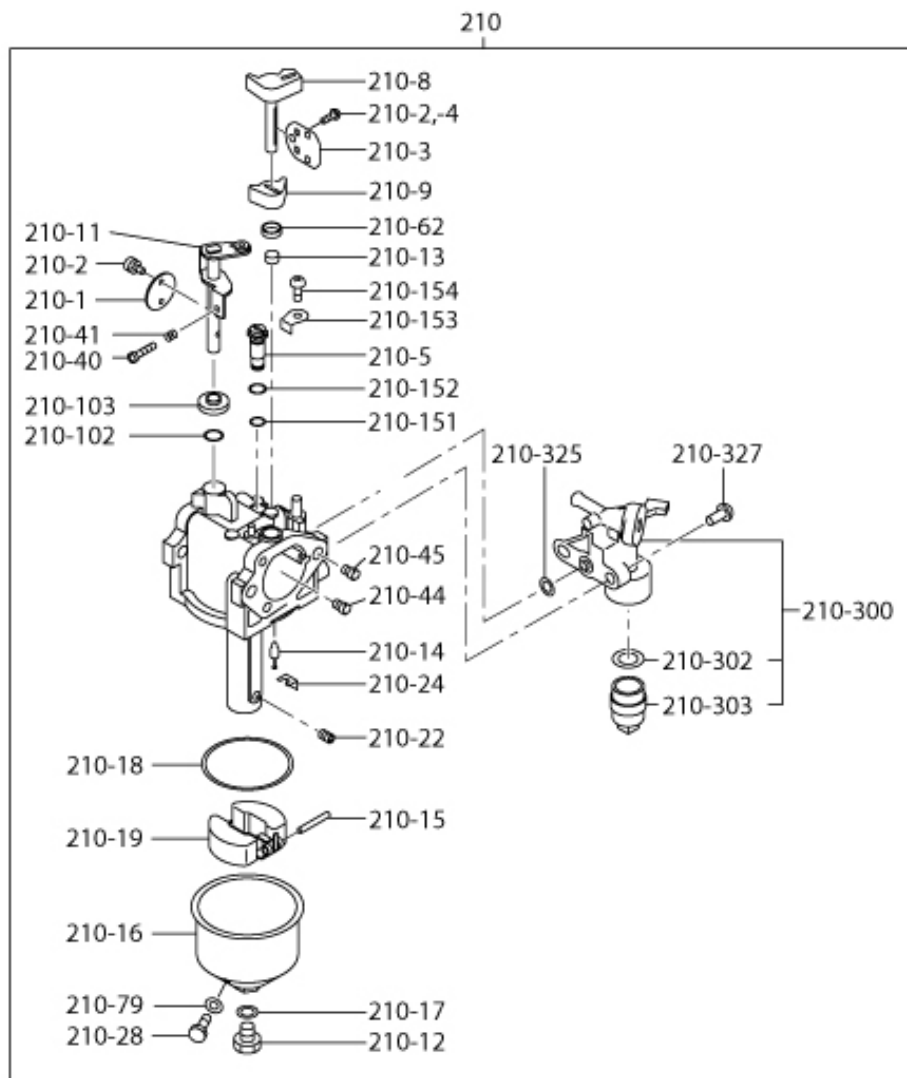
279060000W03

600 Fuel & Lubricant

Ref	Part Number.	Description	Qty	Remark
10	279-60102-11	FUEL TANK CP	1.00	
20	073-20051-81	LABEL(WARNING)	1.00	
23	279-95111-03	LABEL(MODEL)	1.00	
30	X43-04401-61	FUEL TANK CAP CP	1.00	
40	X64-13600-10	FUEL FILTER	1.00	
48	050-51200-20	UNION	1.00	
60	002-38080-00	FLANGE NUT	2.00	
63	011-00802-50	FLANGE BOLT	2.00	
70	279-62602-01	FUEL PIPE CP	1.00	
80	X85-10615-80	RUBBER PIPE	1.00	
85	279-64502-H1	GLASS TUBE	1.00	
90	056-11100-50	HOSE CLAMP	2.00	
224	277-43801-01	CHOKE LEVER CP	1.00	

640 Carburetor

FIG. 640



EX27

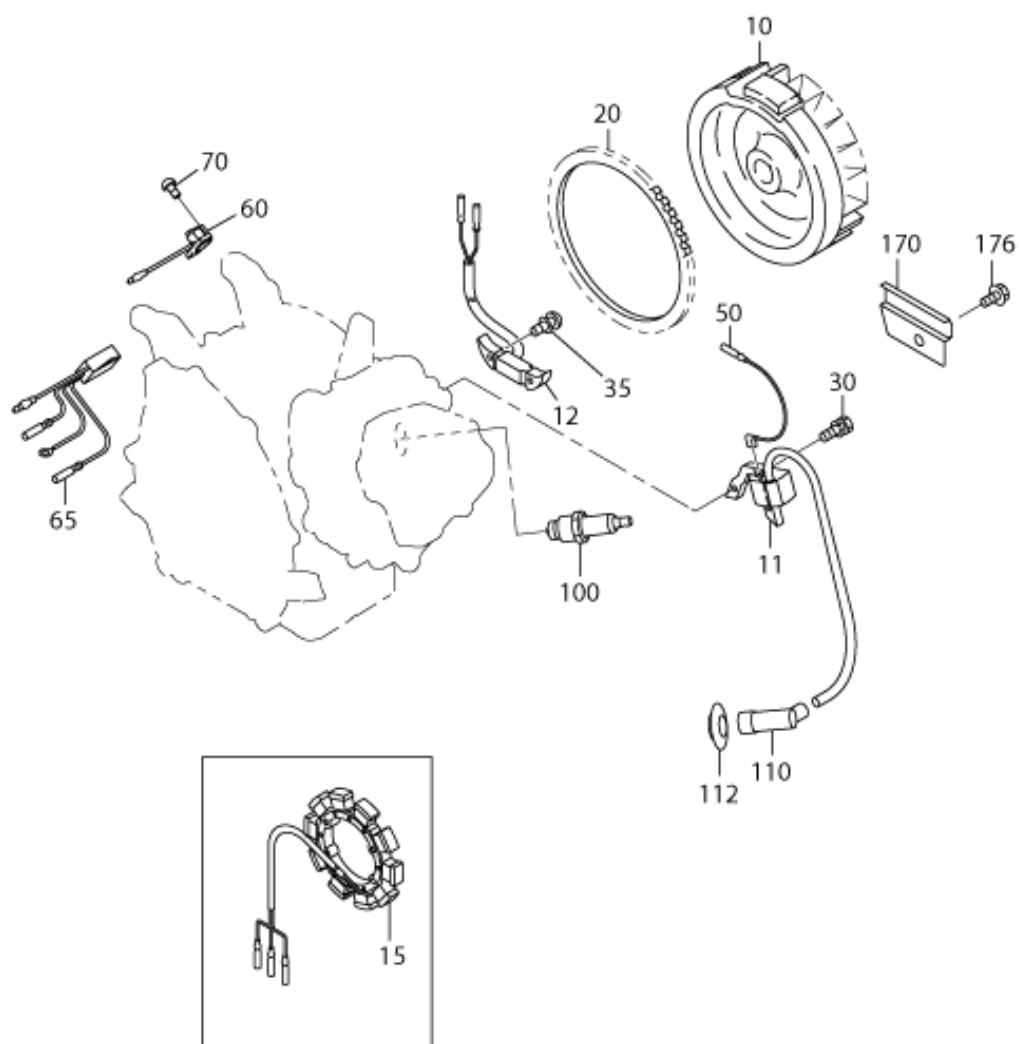
279064000W02

640 Carburetor

Ref	Part Number.	Description	Qty	Remark
210	279-62362-20	CARBURETOR AY	1.00	
210-1	279-62536-08	VALVE THROTTLE	1.00	
210-2	209-62351-08	SCREW	2.00	
210-3	279-62527-08	VALVE CHOKE	1.00	
210-5	279-62421-08	JET SLOW	1.00	
210-8	279-62520-08	SHAFT CHOKE	1.00	
210-11	279-62530-08	SHAFT SUB ASSY(TH)	1.00	
210-12	150-62358-08	BOLT	1.00	
210-14	224-62305-08	VALVE ASSY NEEDLE	1.00	
210-15	214-62515-08	PIN FLOAT LEVER	1.00	
210-16	279-62506-08	FLOAT CHAMBER SUB AY	1.00	
210-17	207-62345-08	WASHER	1.00	
210-18	279-62540-08	GASKET CHAMBER	1.00	
210-19	279-62506-08	FLOAT SUB ASSY	1.00	
210-22	279-62407-08	JET MAIN	1.00	
210-24	226-62701-18	CLIP	1.00	
210-28	279-62361-08	BOLT	1.00	
210-40	106-62556-08	SCREW ADJUSTING	1.00	
210-41	283-62357-08	SPRING	1.00	
210-79	279-62541-08	WASHER	1.00	
210-102	246-62390-08	SEAL	1.00	
210-103	279-62551-08	COLLAR	1.00	
210-151	106-62384-08	O-RING	1.00	
210-153	279-62360-08	PLATE	1.00	
210-154	279-62351-08	SCREW	1.00	
210-300	279-62103-10	COCK BODY A	1.00	
210-302	277-62110-18	PACKING	1.00	
210-303	277-62100-18	CUP	2.00	
210-325	277-62552-08	O-RING	1	
210-327	165-62377-08	SCREW	2	

700 Electric Device

FIG. 700



EX27

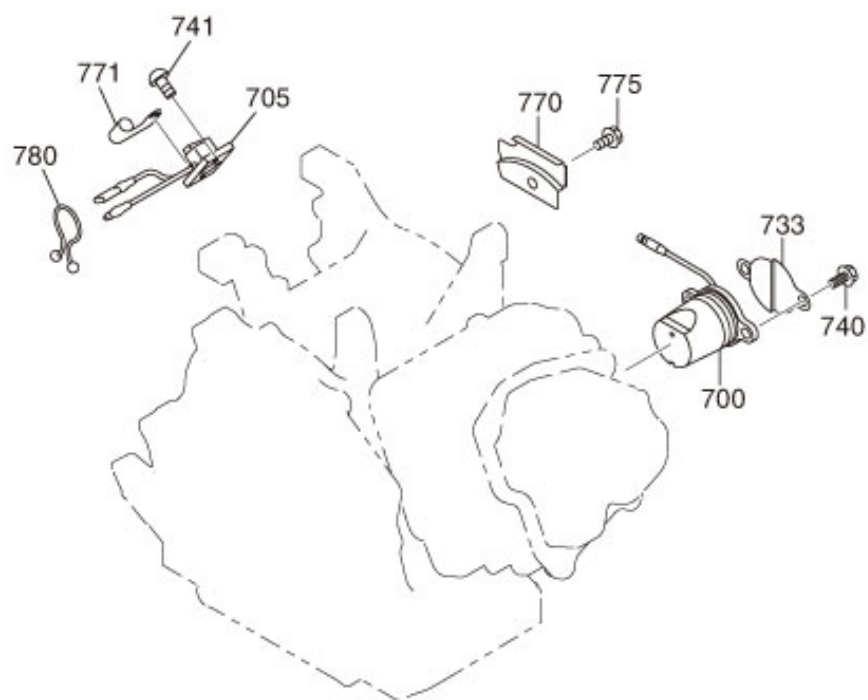
279070000W03

700 Electric Device

Ref	Part Number.	Description	Qty	Remark
10	279-79231-01	FLYWHEEL CP	1.00	
11	279-79430-01	IGNITION COIL CP	1.00	
30	001-04062-50	BOLT AND WASHER AY	2.00	
50	277-73101-H1	WIRE 1 CP	1.00	
60	KU3-11071-01	FLOAT C/U CP5	1.00	
70	015-00400-90	TAPPING SCREW	2.00	
100	065-01401-50	SPARK PLUG	1.00	
110	065-50002-70	SPARK PLUG CAP	1.00	

770 Electric Device

FIG. 770



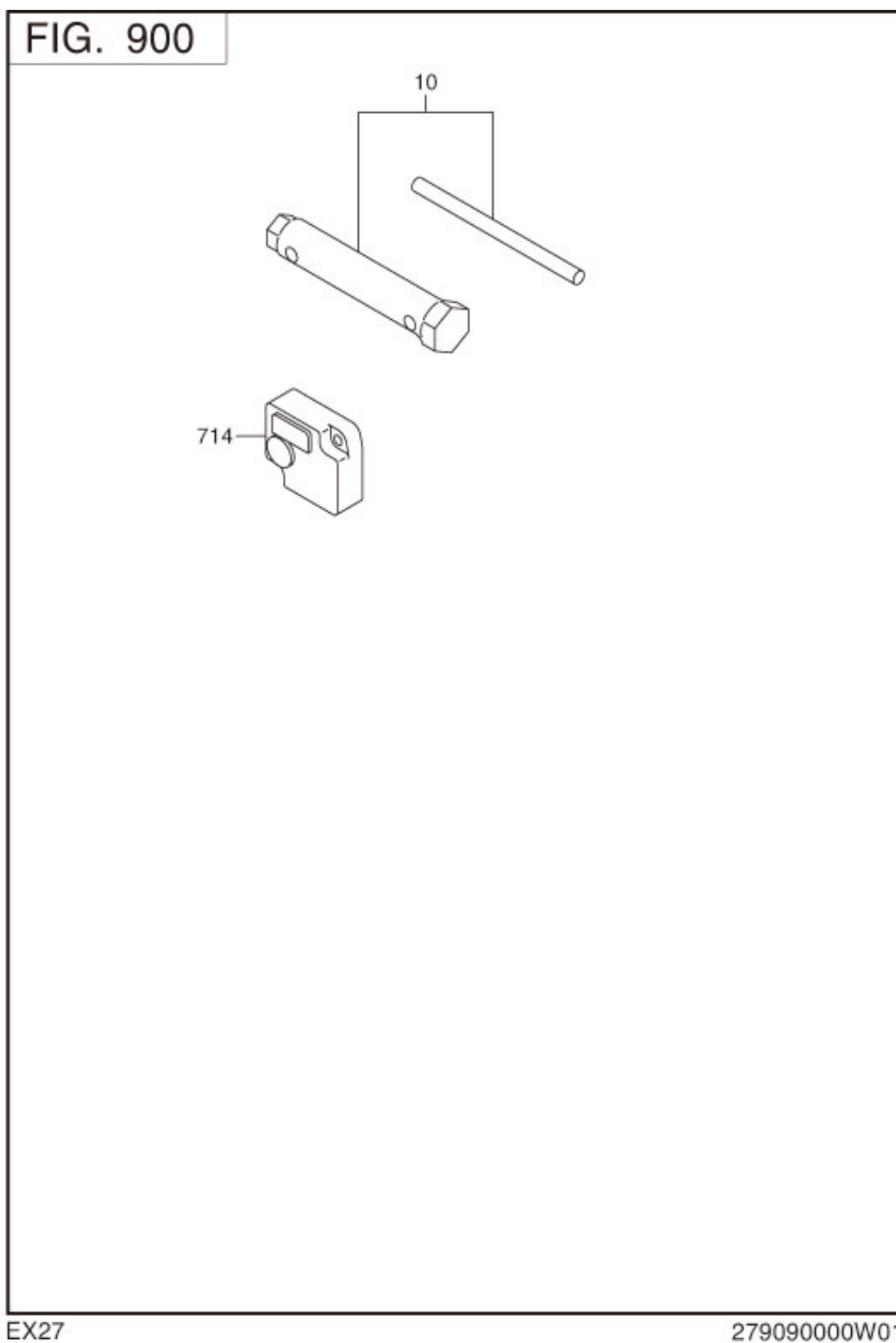
EX27

279077000W01

770 Electric Device

Ref	Part Number.	Description	Qty	Remark
700	279-76301-51	OIL SENSOR CP	1.00	
705	KU3-11071-01	FLOAT C/U CP3	1.00	
740	001-14061-60	BOLT AND WASHER AY	2.00	
741	011-00600-10	FLANGE BOLT	1.00	
770	279-75501-13	WIRE CLAMP	1.00	
775	015-20600-50	TAPPING BOLT	1.00	
780	056-90000-20	PURSE LOCK	1	

900 Accessory



900 Accessory

Ref	Part Number.	Description	Qty	Remark
10	277-90301-H0	ACCESSORY TOOL KIT	1.00	

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