

PARTS MANUAL

MODEL EX270DE5033

Parts

**Manual for
Billy Goat**

EX270DE5033

01/14



SUBARU

Industrial Power Products

Subaru Industrial Power Products

905 Telser Road - Lake Zurich, IL 60047 - Phone 847-540-7300 - Fax 847-438-5012

e-mail: sales@subarupower.com - www.subarupower.com

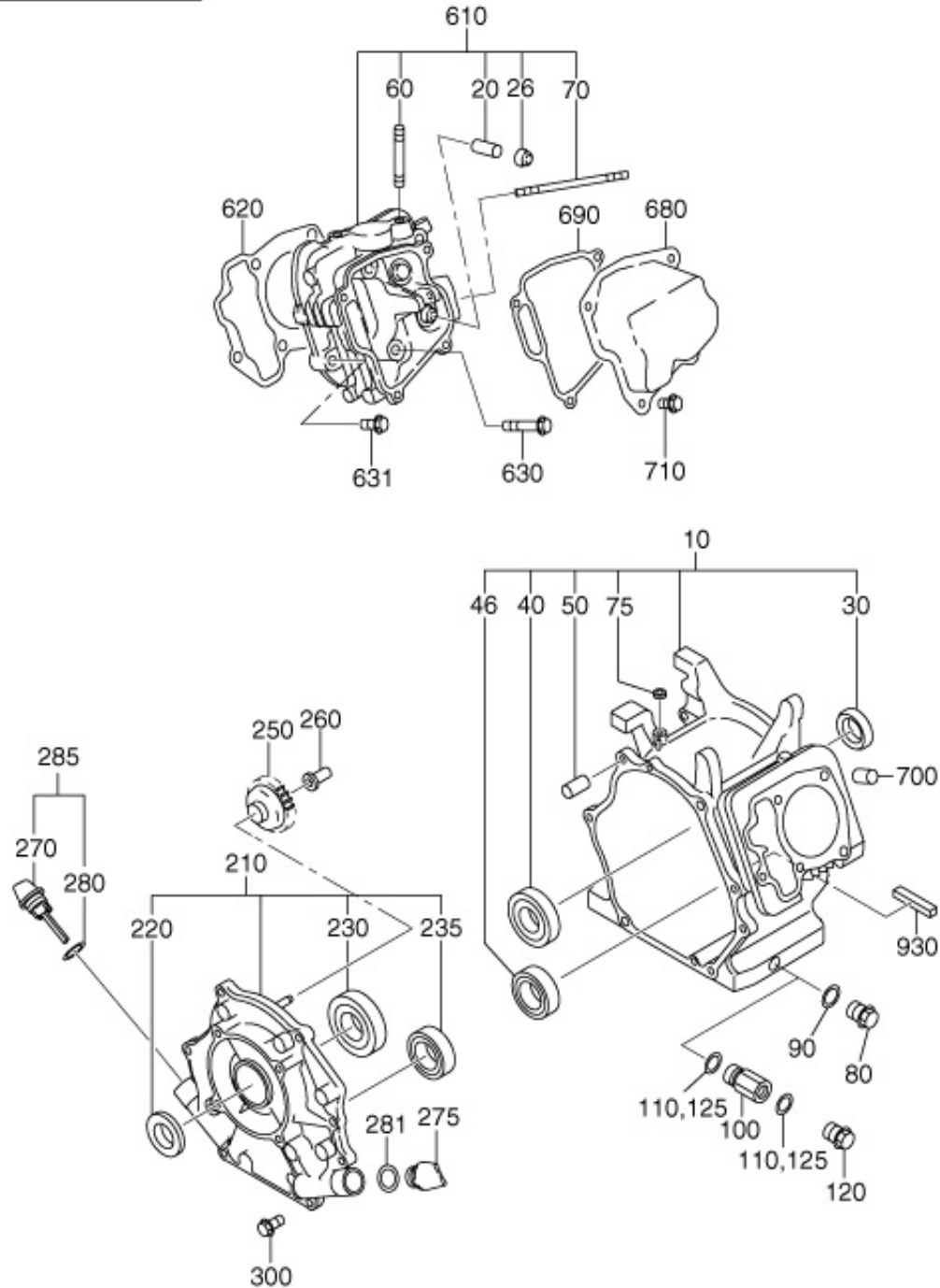
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100 Crankcase

FIG. 100



960- GASKET SET

EX27

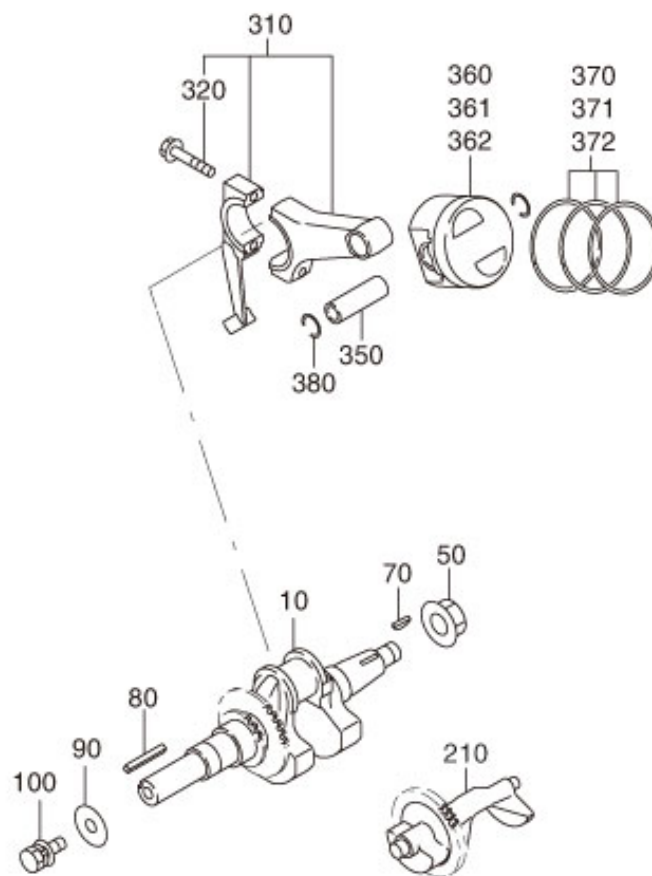
279010001W00

100 Crankcase

Ref	Part Number.	Description	Qty	Remark
10	279-10104-71	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	060-03003-70	BALL BEARING	1.00	
46	060-01500-11	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	2.00	
90	021-11400-20	GASKET	2.00	
210	279-11004-21	MAIN BEARING COVER C	1.00	
220	044-03001-60	OIL SEAL	1.00	
230	060-03003-70	BALL BEARING	1.00	
235	060-01500-11	BALL BEARING	1.00	
250	277-45004-K1	GOVERNOR GEAR CP	1.00	
260	277-41902-03	GOVERNOR SLEEVE	1.00	
270	279-63601-23	OIL GAUGE	2.00	
280	021-32000-50	GASKET	2.00	
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



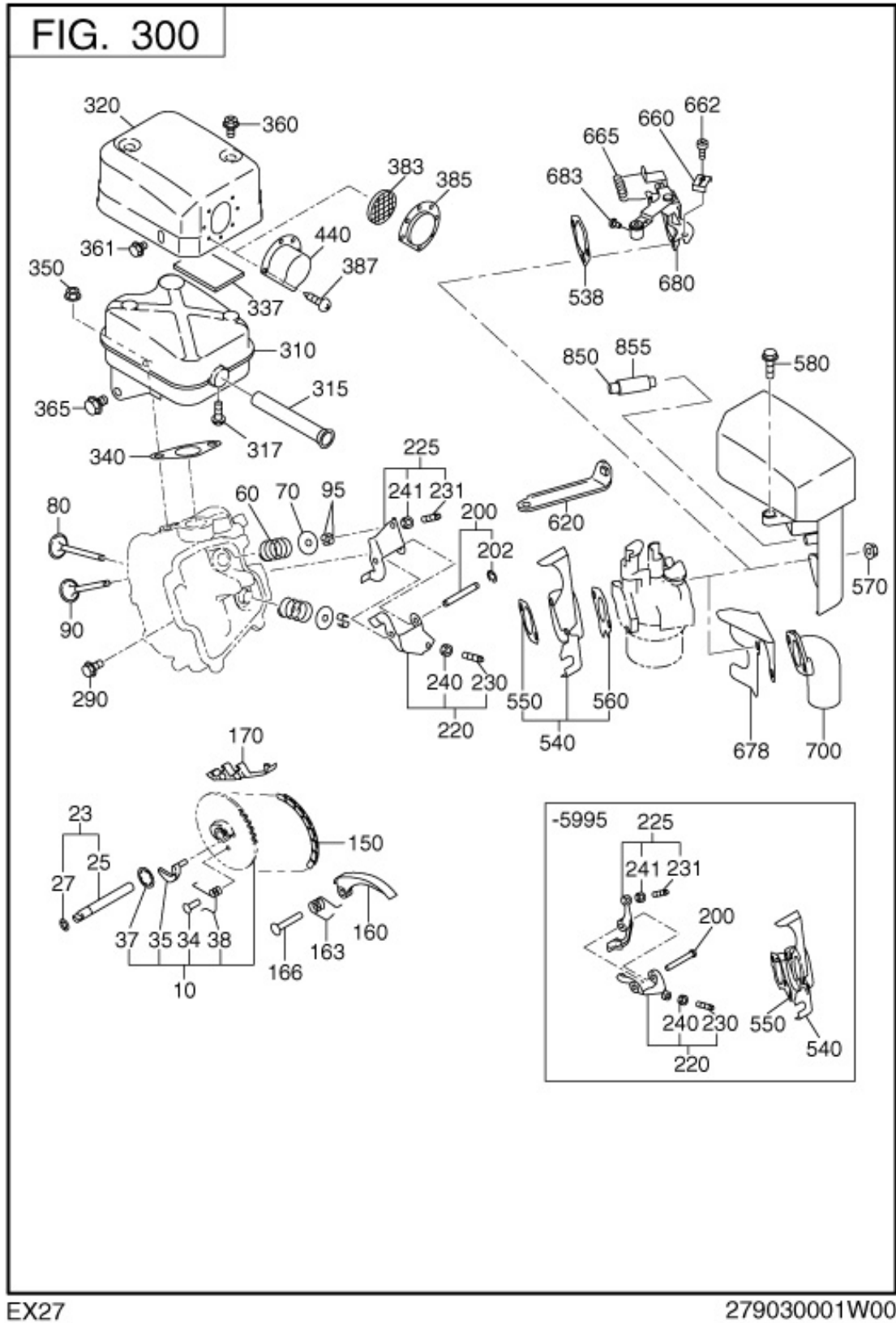
EX27

279020000W01

200 Crankshaft

Ref	Part Number.	Description	Qty	Remark
10	279-20902-31	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	
210	279-24101-14	BALANCER SHAFT	1.00	
310	279-22501-30	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	
361	279-23403-H3	PISTON	1.00	
362	279-23404-H3	PISTON	1.00	
370	279-23511-17	PISTON RING SET	1.00	
371	279-23512-17	PISTON RING SET	1.00	
372	279-23513-17	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	279-31601-21	CAM SHAFT CP	1.00	
25	277-35101-03	PIN(CAM SHAFT)	1.00	
27	024-00600-30	O RING	1.00	
34	277-38601-03	PIN(SPRING)	1.00	
35	279-36401-13	RELEASE LEVER	1.00	
37	277-36501-03	CLIP	1.00	
38	277-38701-13	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-H1	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	011-00600-20	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	279-34201-31	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-J1	DEFLECTOR CP	1.00	
540	279-32902-J1	INSULATOR CP	1.00	
550	279-35903-J3	GASKET2(INSULATOR)	1.00	

300 Intake & Exhaust

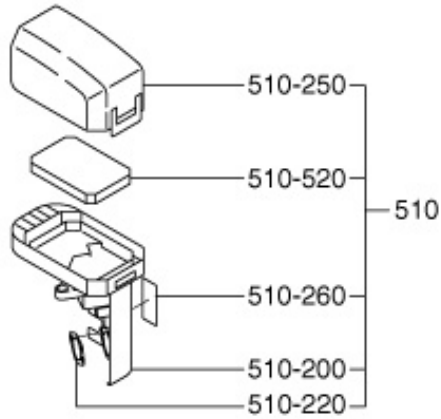
Ref	Part Number.	Description	Qty	Remark
560	279-35902-J3	GASKET1(INSULATOR)	1.00	
570	002-38060-00	FLANGE NUT	2.00	
580	001-04062-00	FLANGE BOLT	1.00	
850	279-32760-08	RUBBER PIPE	1.00	

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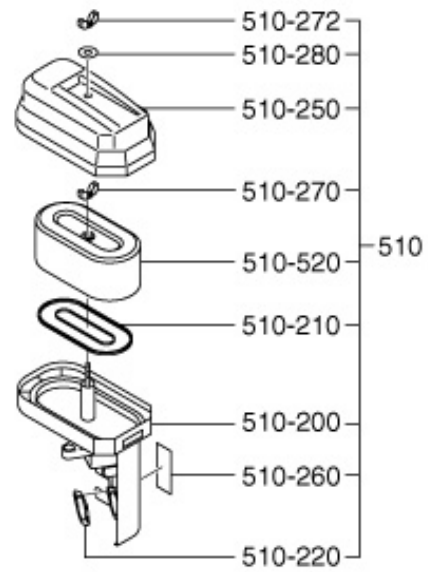
315 Intake & Exhaust

FIG. 315

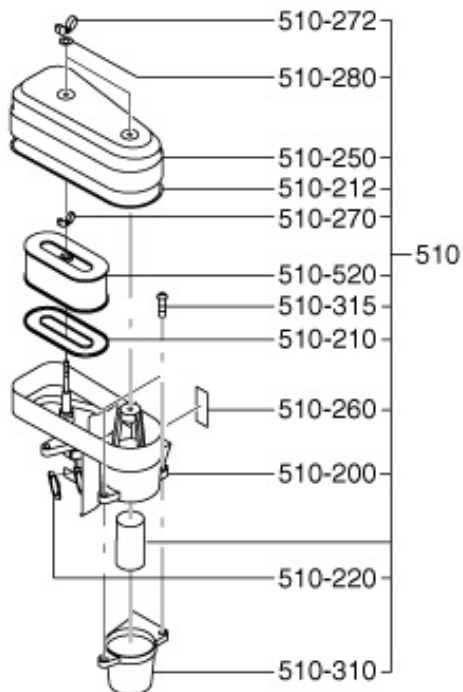
URETHANE FOAM



DUAL ELEMENT



PRE CLEANER



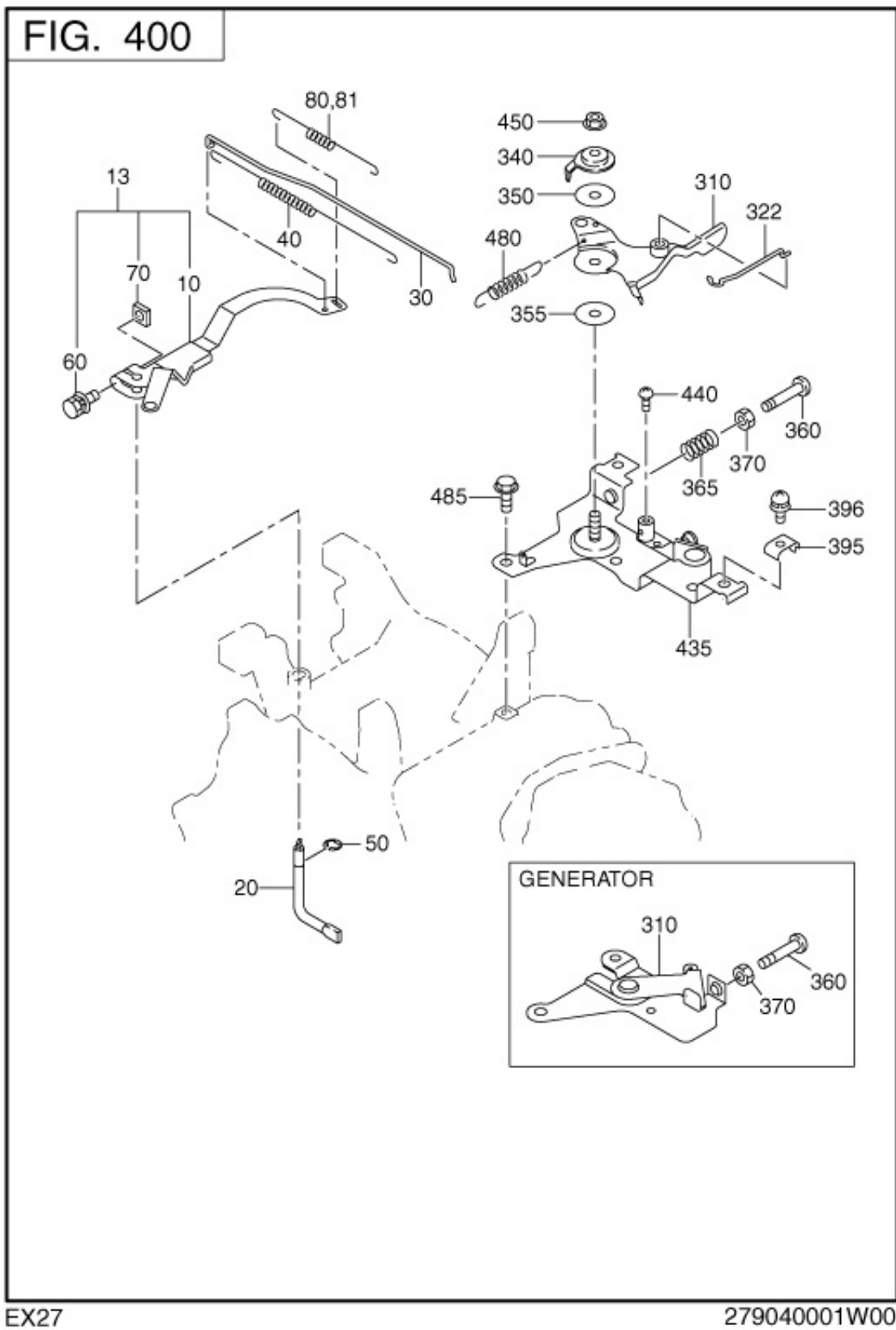
EX27

279031501W00

315 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
510	279-32615-70	AIR CLEANER AY	1.00	
510-200	279-32634-28	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	279-32607-07	ELEMENT SET	1.00	

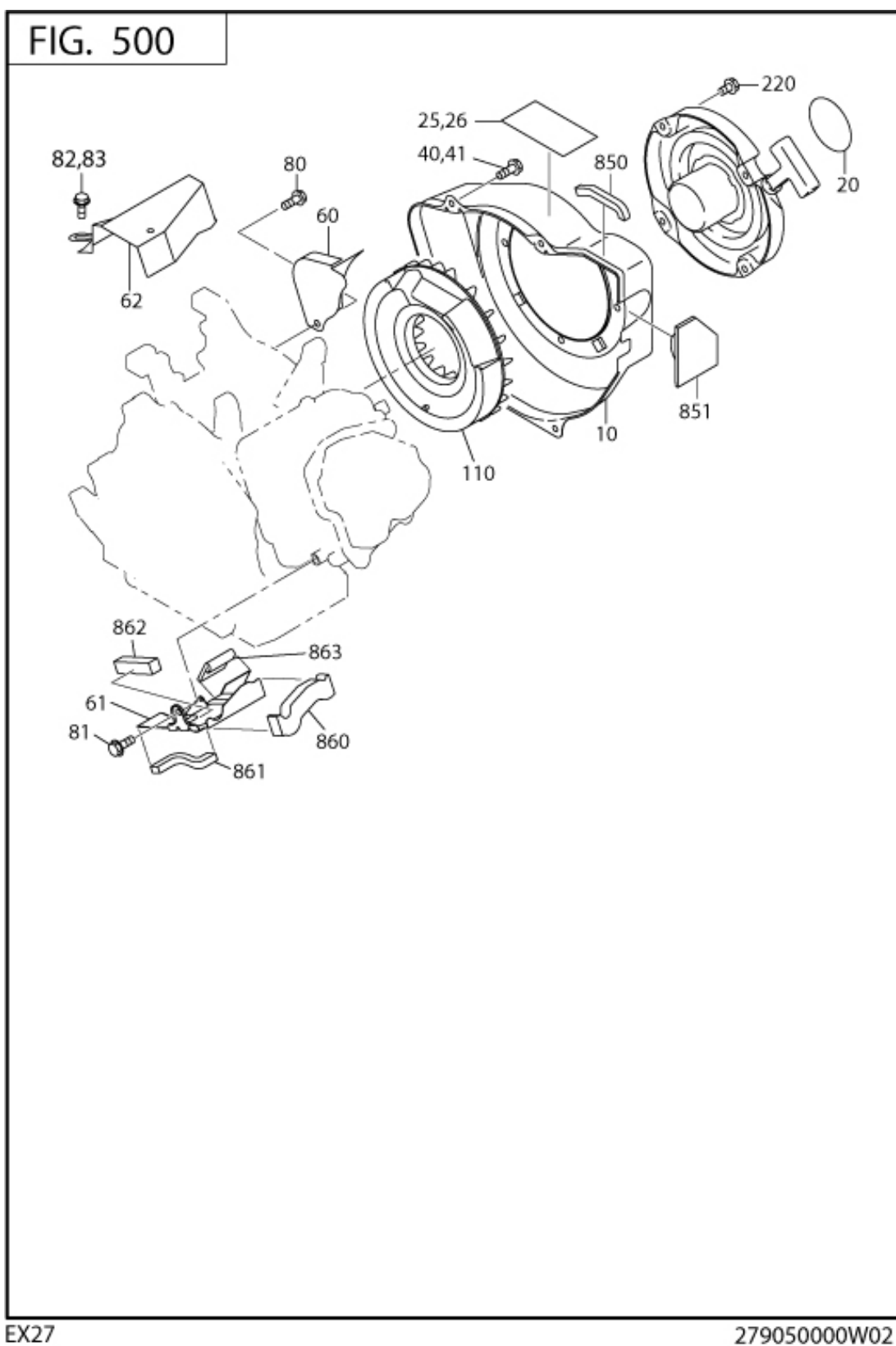
400 Governor



400 Governor

Ref	Part Number.	Description	Qty	Remark
10	279-42301-63	GOVERNOR LEVER	1.00	
20	277-42201-33	GOVERNOR SHAFT	1.00	
30	279-42701-23	GOVERNOR ROD CP	1.00	
40	277-42801-23	ROD SPRING	1.00	
50	003-13050-00	CLIP	1.00	
60	001-14062-50	BOLT AND WASHER AY	1.00	
70	018-60600-20	NUT	1.00	
80	279-42502-73	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



EX27

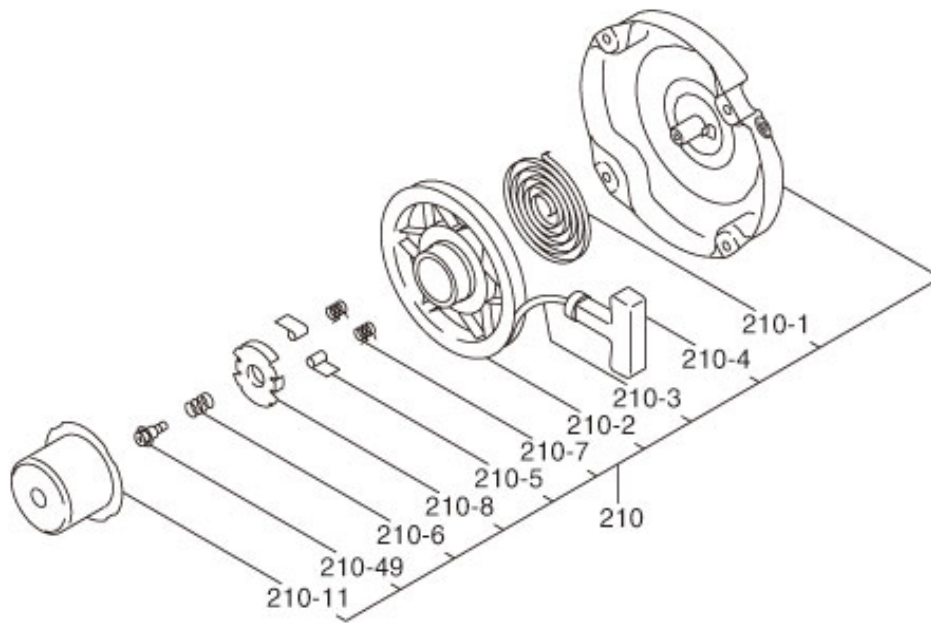
279050000W02

500 Cooling & Starting

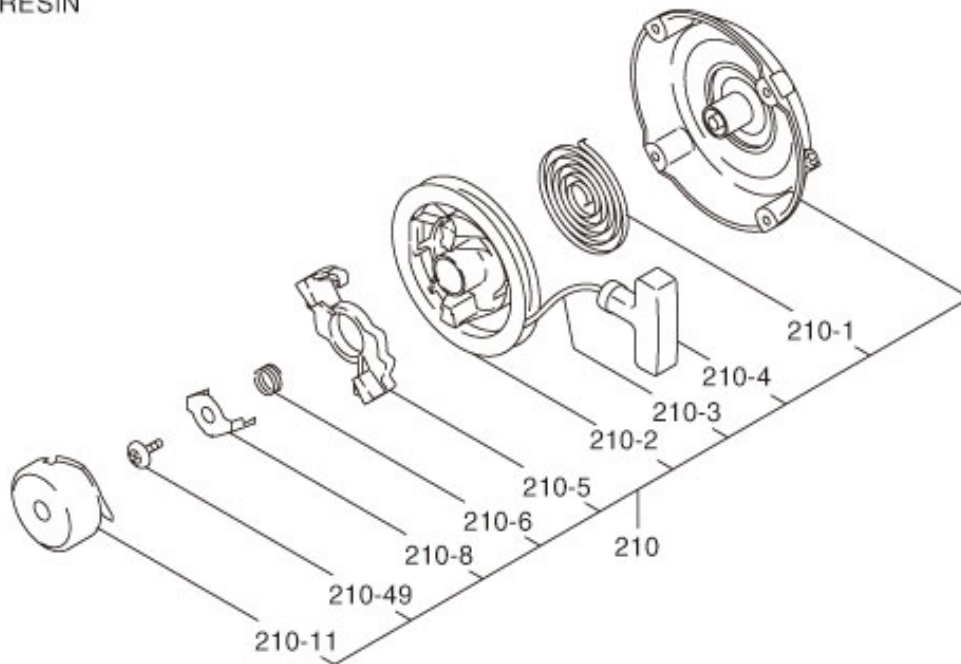
Ref	Part Number.	Description	Qty	Remark
10	279-51202-01	BLOWER HOUSING CP	1.00	
20	073-20058-20	LABEL(TRADE MARK)	1.00	
40	011-00600-30	FLANGE BOLT	4.00	
60	279-52711-11	BAFFLE 1(CASE) CP	1.00	
61	279-52702-13	BAFFLE 2(HEAD)	1.00	
80	001-65081-20	BOLT	1.00	
81	011-00600-20	FLANGE BOLT	1.00	
220	011-00600-10	FLANGE BOLT	4.00	

520 Cooling & Starting

FIG. 520



RESIN



EX27

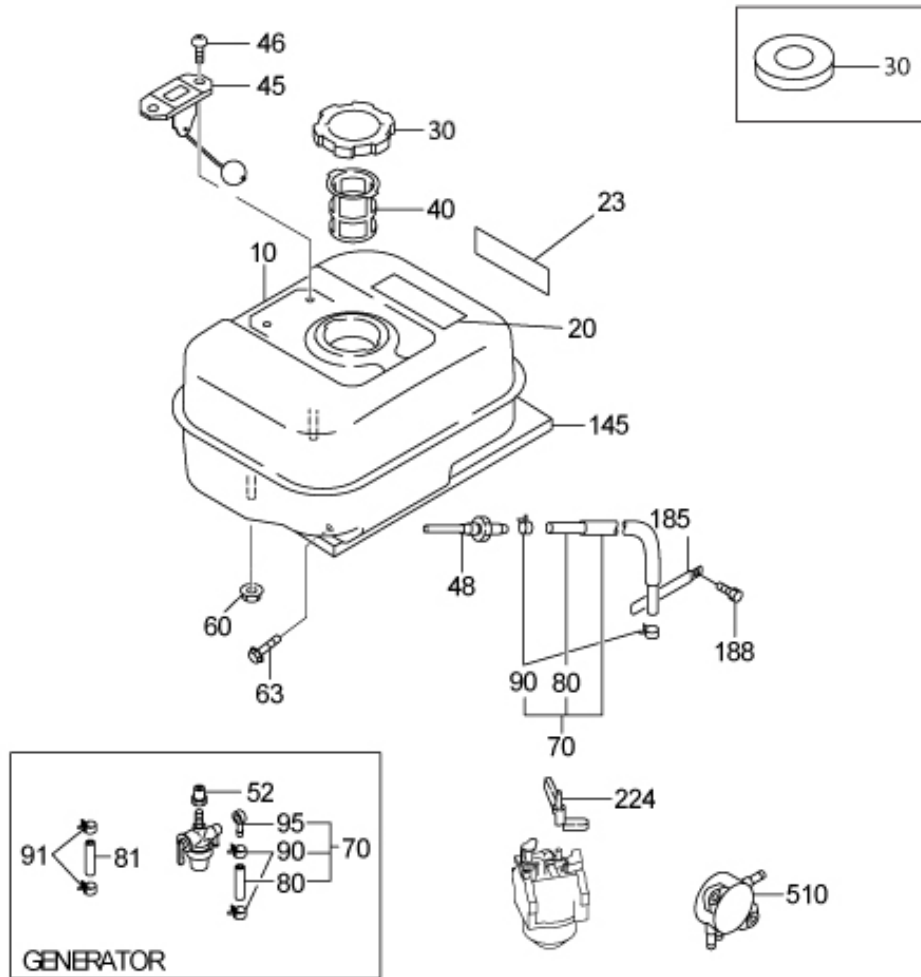
279052000W01

520 Cooling & Starting

Ref	Part Number.	Description	Qty	Remark
210	279-50301-20	RECOIL STARTER AY	1.00	
210-1	226-50716-08	SPIRAL SPRING	1.00	
210-2	279-50120-08	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	
210-7	226-50752-08	RATCHET SPRING	2.00	
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

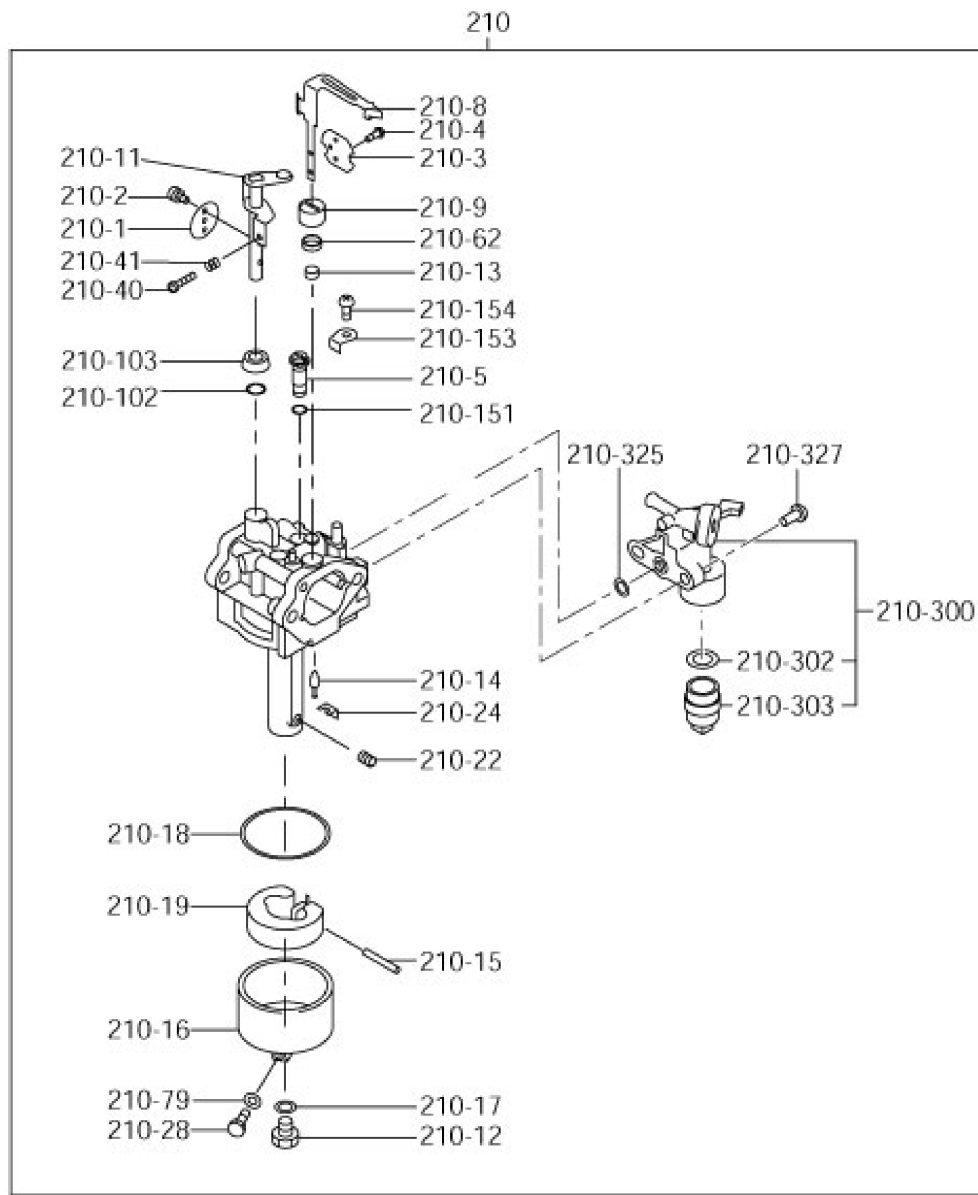
279060000W03

600 Fuel & Lubricant

Ref	Part Number.	Description	Qty	Remark
10	279-60102-11	FUEL TANK CP	1.00	
20	073-20057-60	LABEL(WARNING)	1.00	
23	279-95112-03	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	279-62602-11	FUEL PIPE CP	1.00	
80	X85-10615-81	RUBBER PIPE	1.00	
90	X56-11100-60	HOSE CLAMP	2.00	
224	277-43801-01	CHOKE LEVER CP	1.00	

641 Fuel & Lubricant

FIG. 641



EX27

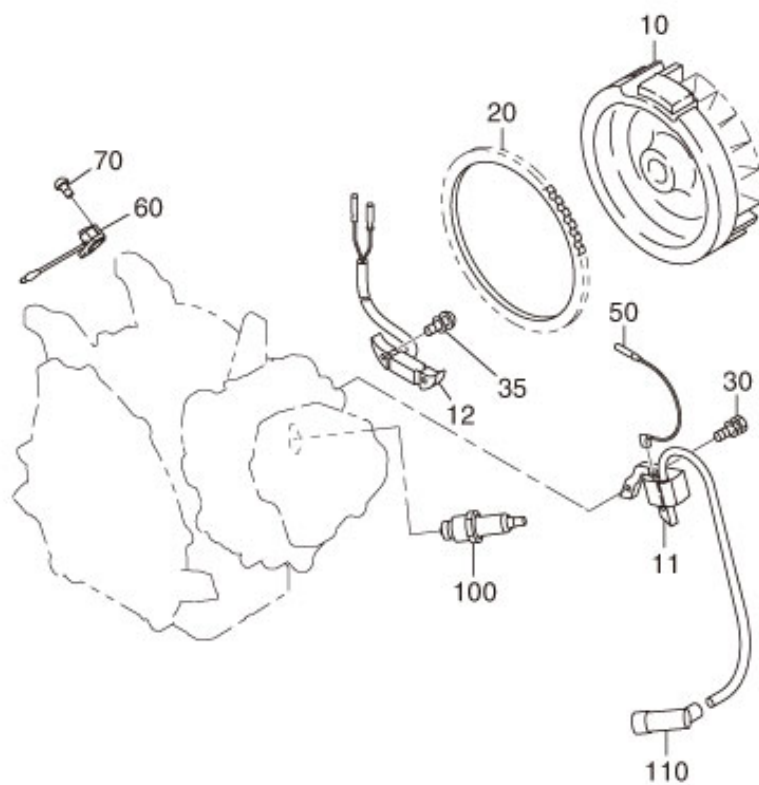
279064100W01

641 Fuel & Lubricant

Ref	Part Number.	Description	Qty	Remark
210	279-62362-20	CARBURETOR AY	1.00	
210-1	279-62536-08	THROTTLE VALVE	1.00	
210-2	209-62351-08	SCREW	1.00	
210-3	279-62527-08	CHOKE VALVE	1.00	
210-5	279-62421-08	PILOT JET	1.00	
210-8	279-62522-08	CHOKE LEVER	1.00	
210-11	279-62533-08	THROTTLE SHAFT-A	1.00	
210-12	150-62358-08	BOLT	1.00	
210-14	224-62305-08	NEEDLE VALVE	1.00	
210-15	214-62515-08	PIN	1.00	
210-16	279-62506-08	FLOAT BODY-A	1.00	
210-17	207-62345-08	INSERT WASHER	1.00	
210-18	206-62540-08	PACKING	1.00	
210-19	234-62506-08	FLOT-A	1.00	
210-22	279-62407-08	MAIN JET	1.00	
210-24	226-62701-18	CLIP	1.00	
210-28	279-62361-08	BOLT	1.00	
210-40	106-62556-08	SCREW	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	RING	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	1.00	
210-325	277-62552-08	O-RING	1.00	
210-327	165-62377-08	SCREW	2.00	

700 Electric Device

FIG. 700



EX27

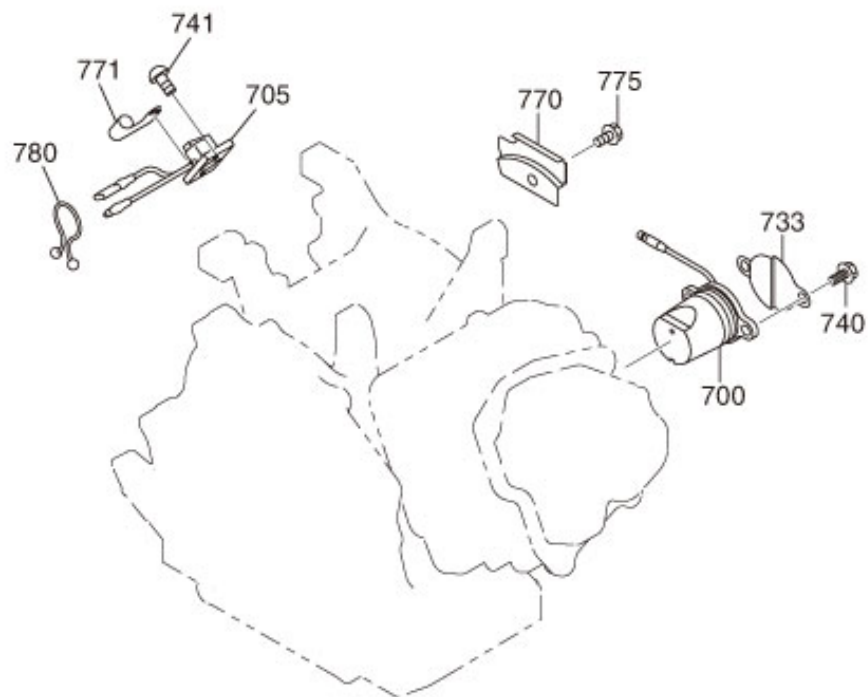
279070000W02

700 Electric Device

Ref	Part Number.	Description	Qty	Remark
10	279-79230-11	FLYWHEEL CP	1.00	
11	279-79430-01	IGNITION COIL CP	1.00	
30	001-04062-00	FLANGE BOLT	2.00	
50	277-73101-H1	WIRE 1 CP	1.00	
100	065-01401-50	SPARK PLUG	1.00	
110	065-50002-70	SPARK PLUG CAP	1.00	

770 Electric Device

FIG. 770



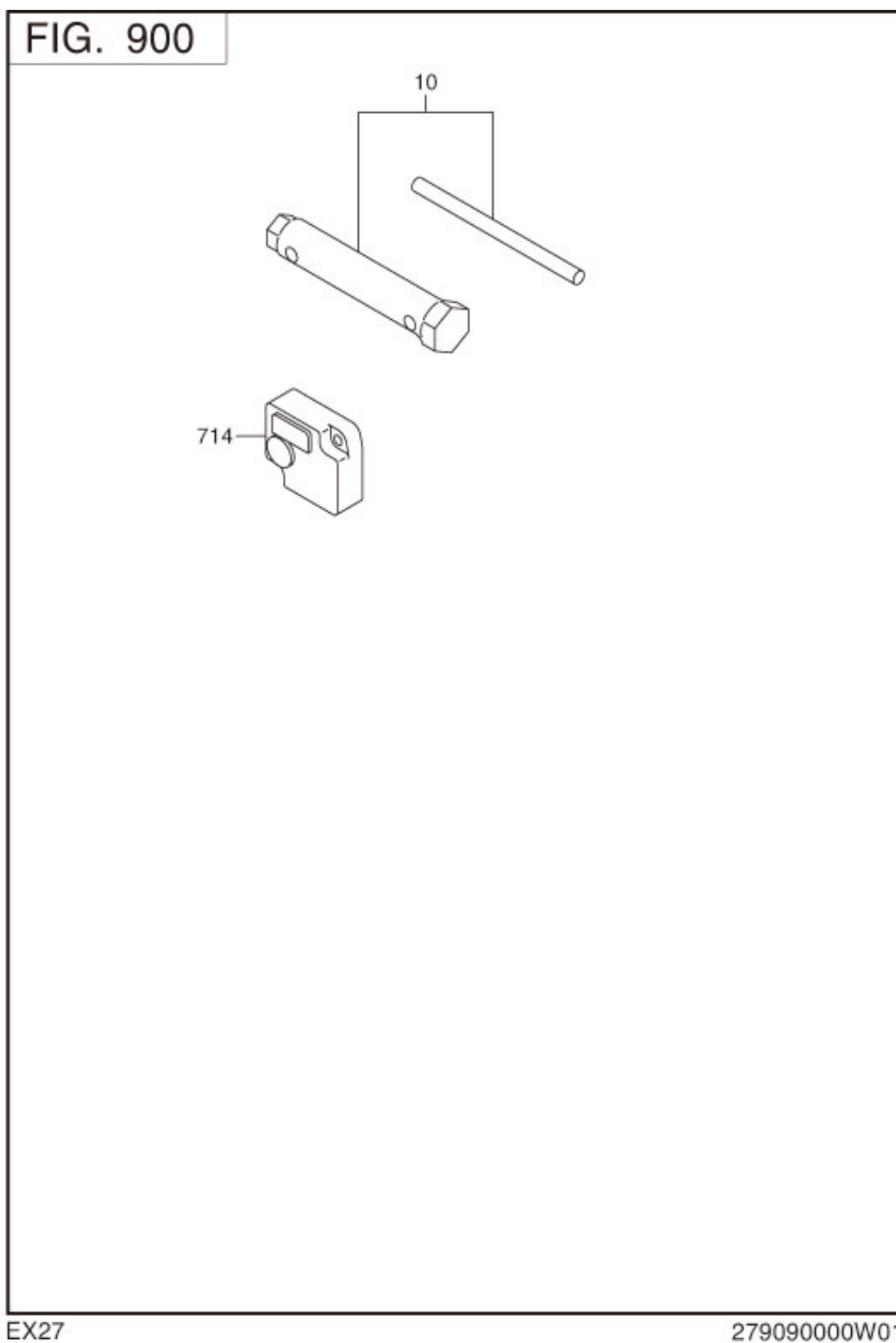
EX27

279077000W01

770 Electric Device

Ref	Part Number.	Description	Qty	Remark
700	279-76301-41	OIL SENSOR CP	1.00	
705	KU3-11071-01	FLOAT C/U CP5	1.00	
740	001-04061-40	FLANGE BOLT	2.00	
741	015-00400-90	TAPPING SCREW	2.00	
770	279-75501-23	WIRE CLAMP	1.00	
775	015-20600-50	TAPPING BOLT	1.00	
780	056-90000-20	PURSE LOCK	1.00	

900 Accessory



900 Accessory

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

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Subaru Industrial Power Products

905 Telser Road - Lake Zurich, IL 60047

Phone 847-540-7300 - Fax 847-438-5012

e-mail: sales@subarupower.com - www.subarupower.com