

PARTS MANUAL

MODEL
EX27
Engine

EX270D50166

06/16



SUBARU

Industrial Power Products

Subaru Industrial Power Products

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

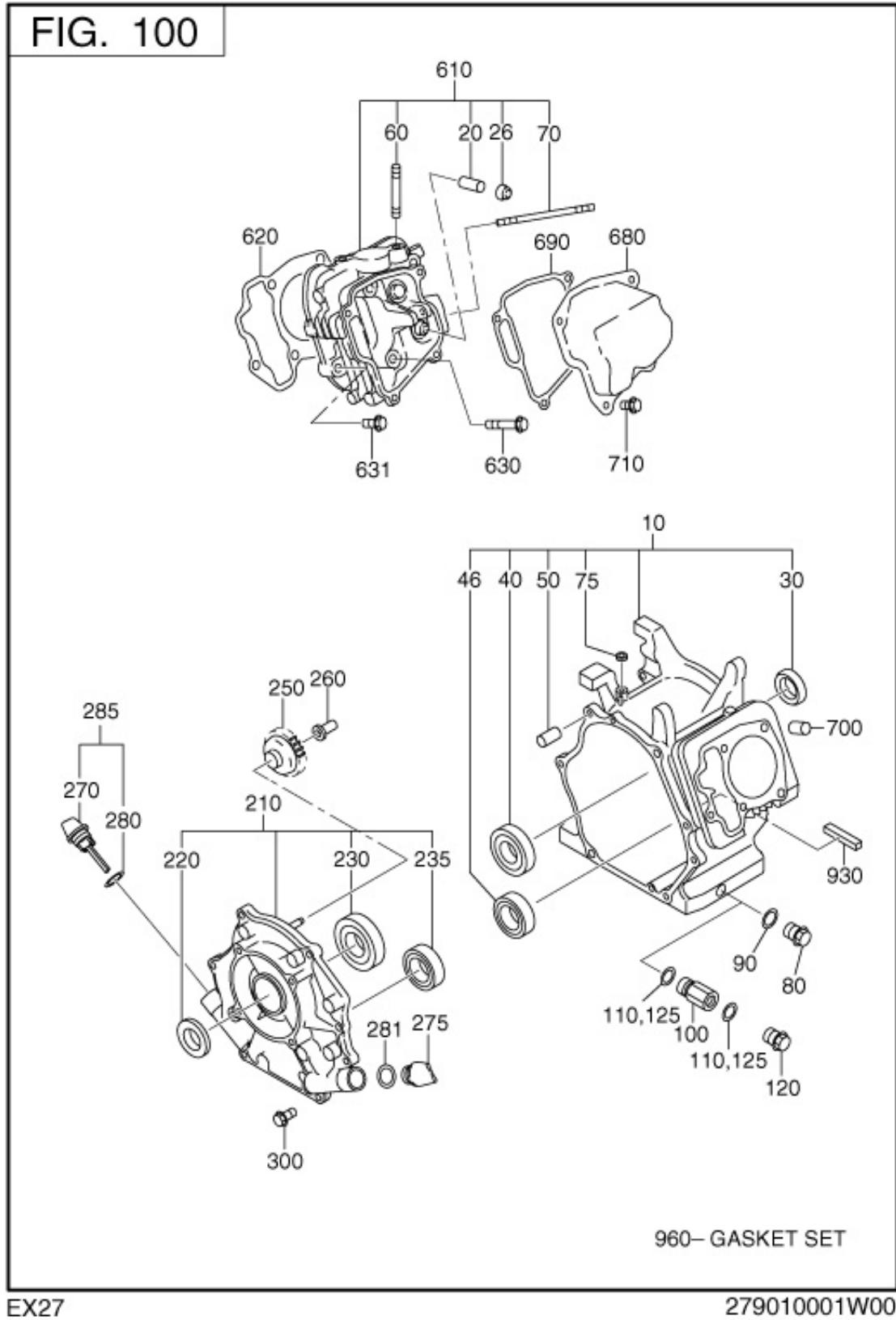
e-mail: sales@subarupower.com - www.subarupower.com

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100 Crankcase



100 Crankcase

Ref	Part Number.	Description	Qty	Remark
10	279-10106-11	CRANKCASE CP	1	Start Code: 6951. Start Date: 1/11/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: W/OIL SENSOR.
20	237-14202-03	VALVE GUIDE	2	Start Date: 12/31/9999 0:00:00. Remarks: 5.5DX9.5DX27L.
26	277-16010-01	STEM SEAL	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 5.5DX9.5DX15DX7.8B.
30	044-03001-60	OIL SEAL	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 30DX45DX7B.
40	060-03003-70	BALL BEARING	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 30DX62DX16B.
50	277-15011-03	PIPE KNOCK	2	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 10.3DX8.5DX14L.
60	010-50802-50	STUD (M8X1.25X25)	2	
70	010-50604-10	STUD (M6X1X107)	2	
75	044-00600-20	OIL SEAL	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 6DX10DX2.5B.
80	040-11400-30	PLUG	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M14X1.5X20DX12L.
90	021-11400-20	GASKET	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 14.1DX19DX2.3T.
210	279-11002-21	MAIN BEARING COVER C	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: FLANGE 4-5/16-24UNF.
220	044-03001-60	OIL SEAL	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 30DX45DX7B.
230	060-03003-70	BALL BEARING	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 30DX62DX16B.
250	277-45004-K1	GOVERNOR GEAR CP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 53DX29.1T N=33.
260	277-41902-03	GOVERNOR SLEEVE	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 6DX7.6DX16DX26L.
270	279-63601-23	OIL GAUGE	2	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M22X1.5 L=67.5+18. Interchangeable with 279-63601-23.

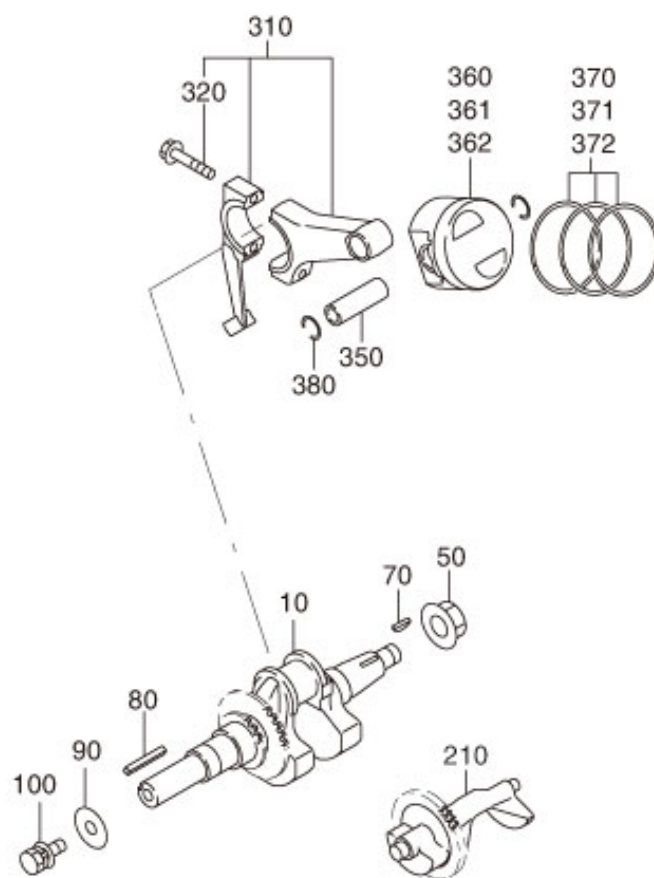
100 Crankcase

Ref	Part Number.	Description	Qty	Remark
280	021-32000-50	GASKET	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 20DX27DX1.5T RUBBER.
300	001-04083-50	FLANGE BOLT (M8X35)	7	
610	279-13001-21	CYLINDER HEAD CP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
620	279-15001-33	GASKET (HEAD)	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: T=0.2.
630	011-00802-40	FLANGE BOLT (M8X68)	4	
631	011-00803-10	FLANGE BOLT (M8X33)	1	
680	277-15503-01	ROCKER COVER CP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
690	277-16001-13	GASKET	1	
700	277-15011-03	PIPE KNOCK	2	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 10.3DX8.5DX14L.
710	011-00600-20	FLANGE BOLT (M6X12)	4	
960	279-99001-27	GASKET SET	1	Start Date: 12/31/9999 0:00:00.

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200 Crankshaft

FIG. 200



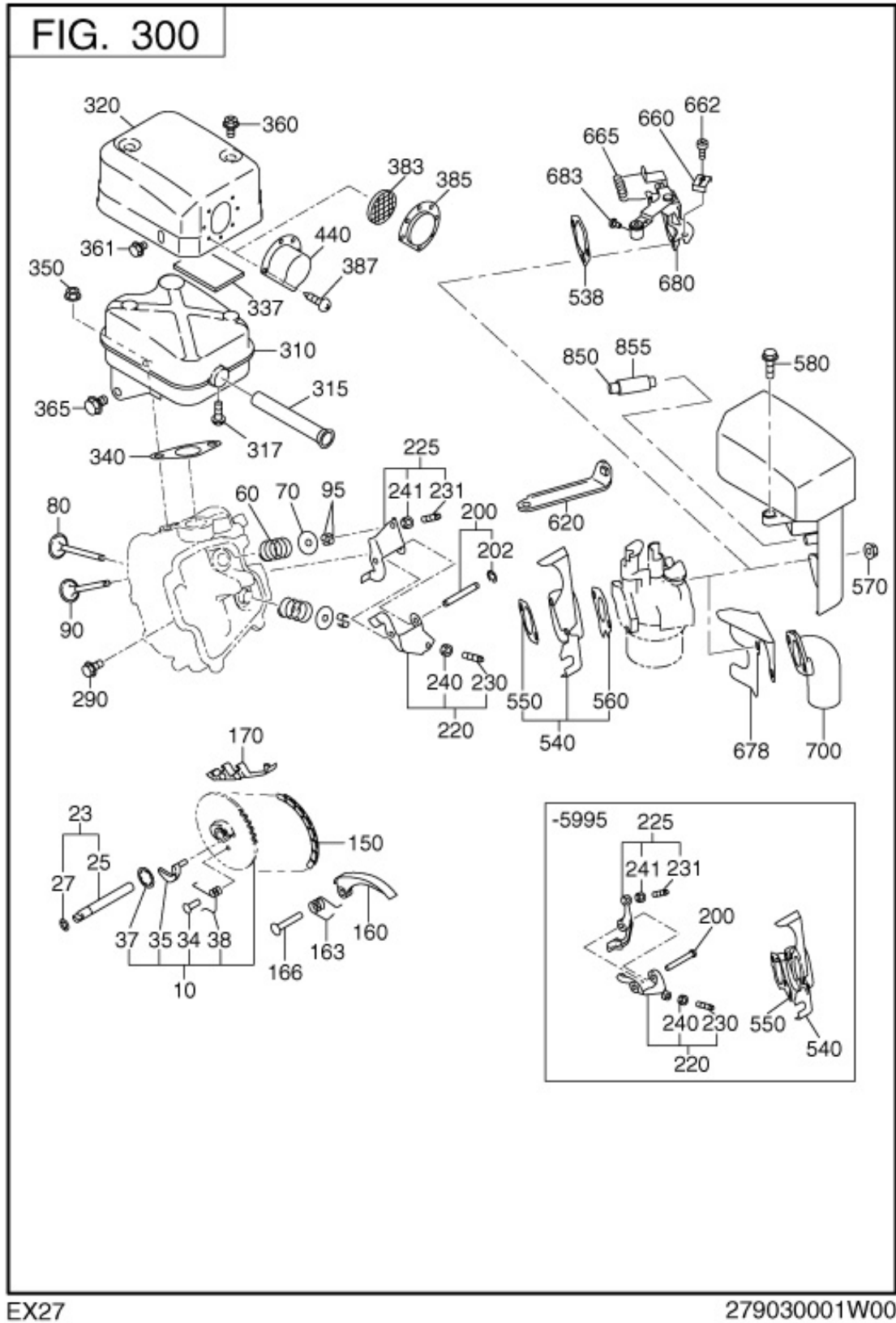
EX27

279020000W01

200 Crankshaft

Ref	Part Number.	Description	Qty	Remark
10	279-20901-71	CRANKSHAFT CP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: L=324 DU 25.4DX72.2L.
50	018-01800-10	FLANGE NUT (M18)	1	
70	032-30300-10	WOODRUFF KEY (3X6X16)	1	
80	032-00600-20	KEY	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 6.3BX6.3HX40L.
310	279-22501-20	CONNECTING ROD AY	1	Start Code: 7031. Start Date: 4/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 104.5CDX26B 34.5D-18. Interchangeable with 279-22501-30.
320	279-23001-03	BOLT (M7X40)	2	
350	279-23301-13	PISTON PIN (18X13X53)	1	
360	279-23401-H3	PISTON	1	STANDARD
361	279-23403-H3	PISTON	1	0.25 OVERSIZED
362	279-23404-H3	PISTON	1	0.50 OVERSIZED
370	279-23511-17	PISTON RING SET	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: STD (75D) OIL EXPAND.
371	279-23512-17	PISTON RING SET	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 0.25 O.S. OIL EXPAND.
372	279-23513-17	PISTON RING SET	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 0.50 O.S. OIL EXPAND.
380	056-51800-10	CLIP	2	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 18.9DX1.6D.

300 Intake & Exhaust



300 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
10	279-31601-21	CAM SHAFT CP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 93DX2.9B N=44.
25	277-35101-03	PIN(CAM SHAFT)	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 9DX78.5L.
27	024-00600-30	O-RING	1	
34	277-38601-03	SPRING PIN	1	
35	279-36401-13	RELEASE LEVER	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
37	277-36501-03	CLIP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 13.8DX20.3DX0.4T.
38	277-38703-13	RETURN SPRING	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 5.3DX0.6DX5.5L N=5.8.
60	279-33601-03	VALVE SPRING	2	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 19.2DX2.3DX27.4L.
70	269-33701-03	SPRING RETAINER	2	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
80	279-33401-H3	INTAKE VALVE	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 28.5DX5.5DX67.8L.
90	279-33501-H3	EXHAUST VALVE	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 26.5DX5.5DX67.8L.
95	132-10KA0-31	VALVE COLLET	4	
150	279-35602-H1	TIMING CHAIN CP (100 LINK)	1	
160	277-36911-03	TENTIONER	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
163	277-37101-03	TENTIONER SPRING	1	
166	277-36902-03	TENTIONER PIN	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 6DX13DX34L.
170	277-36913-13	CHAIN GUIDE	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
200	277-35004-01	ROCKER PIN CP	1	
202	003-13050-00	CLIP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
220	277-36201-00	INTAKE ROCKER ARM ASSY	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
225	277-36202-00	EXHAUST ROCKER ARM ASSY	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
230	014-90500-20	ADJUST SCREW (M5X23)	1	
231	014-90500-20	ADJUST SCREW (M5X23)	1	

300 Intake & Exhaust

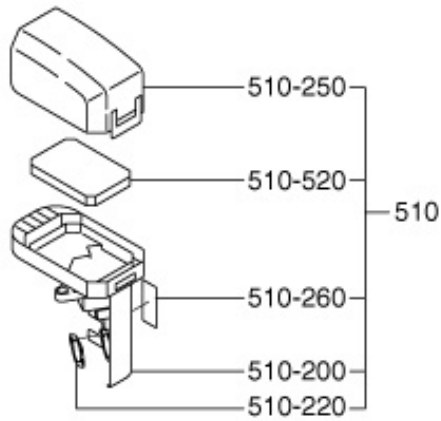
Ref	Part Number.	Description	Qty	Remark
240	017-00500-30	NUT (M5)	1	
241	017-00500-30	NUT (M5)	1	
290	011-00600-10	FLANGE BOLT (M6X8)	1	
310	279-30111-L1	MUFFLER CP	1	Start Code: 6972. Start Date: 2/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
315	279-37601-01	SPARK ARRESTER CP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
317	015-00400-60	TAPPING SCREW (M4X6)	1	
320	279-34201-31	MUFFLER COVER CP	1	Start Code: 7031. Start Date: 4/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
340	277-35201-13	EXHAUST GASKET	1	
350	002-38080-00	FLANGE NUT (M8)	2	
360	015-20600-90	TAPPING BOLT (M6X10)	2	
361	011-00600-10	FLANGE BOLT (M6X8)	1	
365	011-00803-20	FLANGE BOLT (M8X12)	1	
387	015-00400-60	TAPPING SCREW (M4X6)	3	
440	277-37001-J1	DEFLECTOR CP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: W/SCREEN.
540	279-32902-J1	INSULATOR CP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: W/GASKET.
560	279-35902-J3	INTAKE GASKET	1	
570	002-38060-00	FLANGE NUT (M6)	2	
580	001-04062-00	FLANGE BOLT (M6X20)	1	

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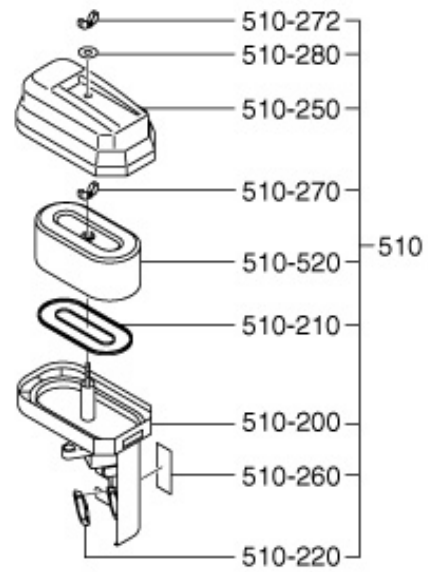
315 Intake & Exhaust

FIG. 315

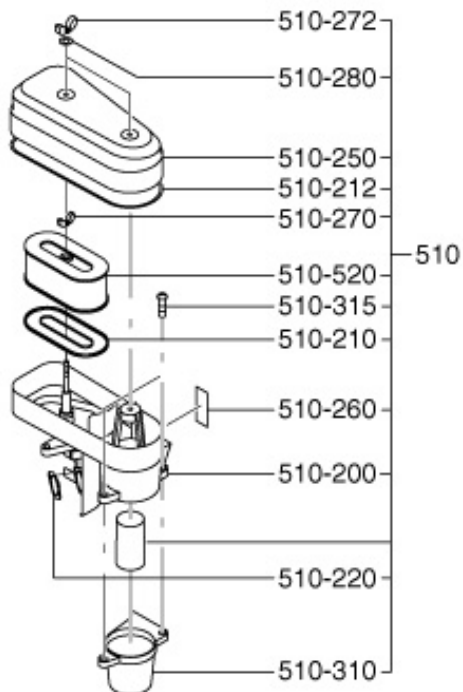
URETHANE FOAM



DUAL ELEMENT



PRE CLEANER



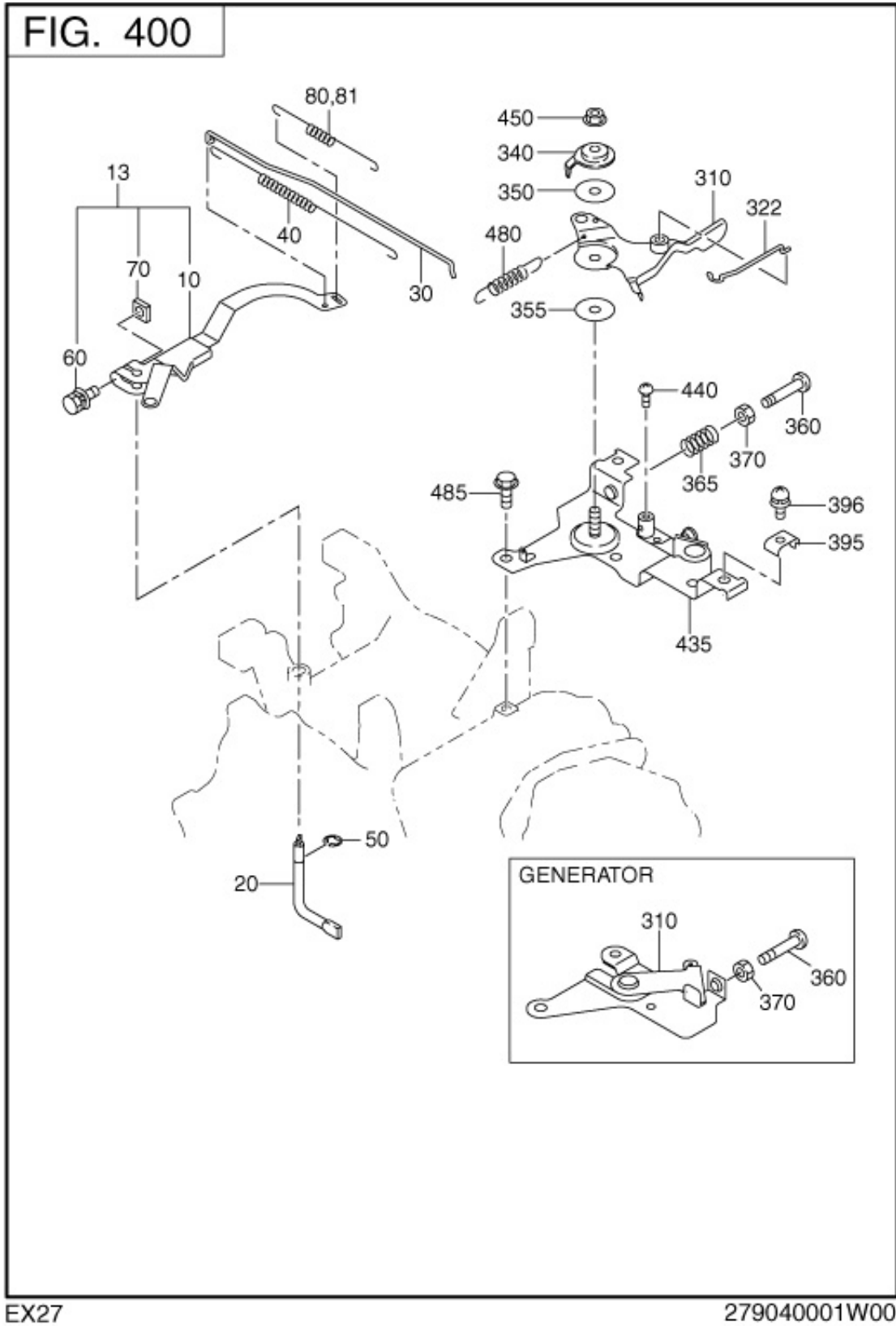
EX27

279031501W00

315 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
510	279-32720-08	SEAL	1	
510	279-32634-28	ELBOW COMP,AIR/C	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
510	279-32615-70	AIR CLEANER AY	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: DUAL.
510	279-32730-08	LABEL	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
510	279-32650-08	GASKET	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Interchangeable with 279-32650-18.
510	279-32643-18	COVER	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
510	279-32607-07	ELEMENT SET	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: DUAL.
510	279-32740-08	NUT	2	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.

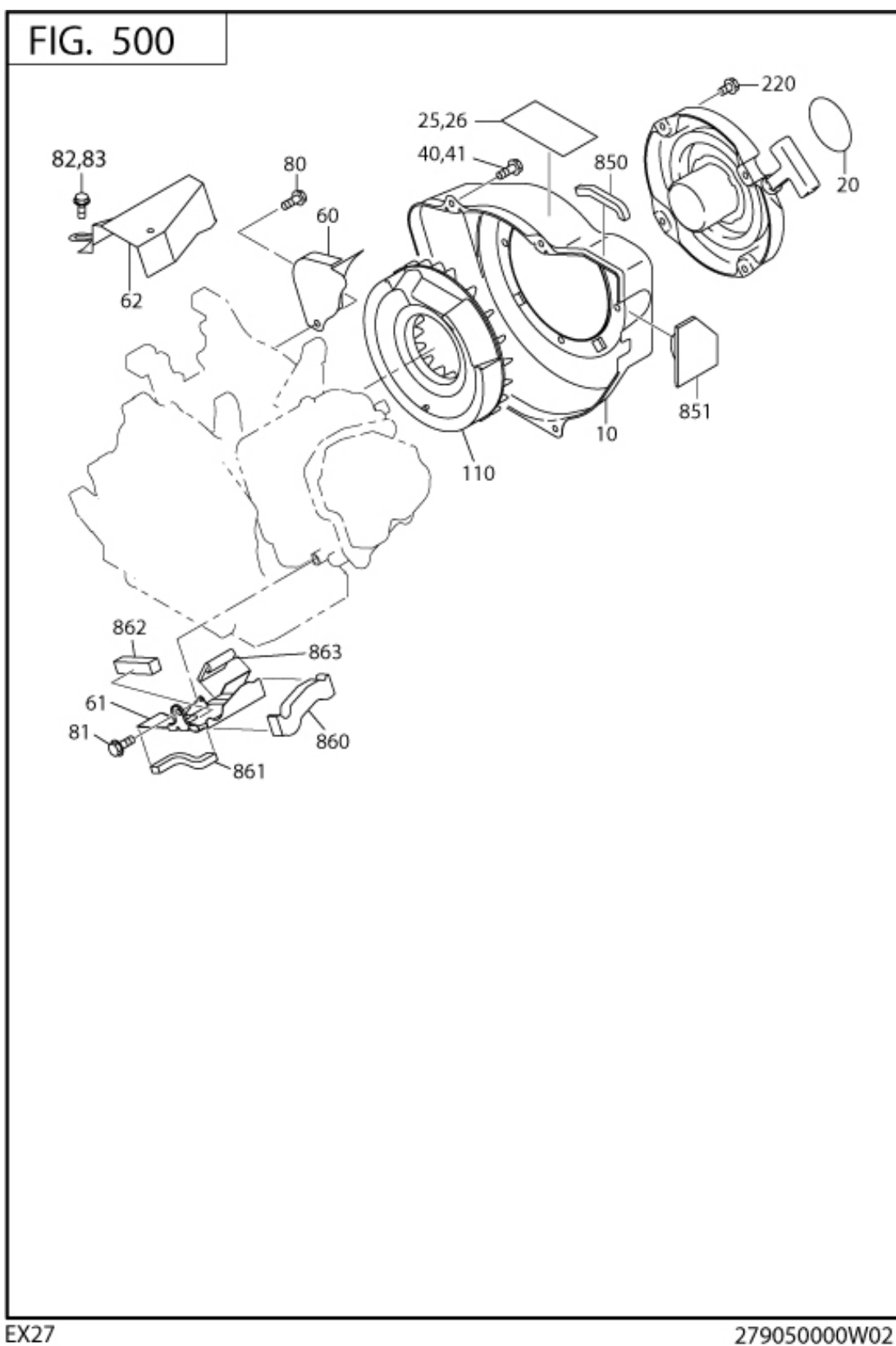
400 Governor



400 Governor

Ref	Part Number.	Description	Qty	Remark
10	279-42301-63	GOVERNOR LEVER	1	Start Code: 6998. Start Date: 2/27/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
20	277-42201-33	GOVERNOR SHAFT	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
30	279-42701-23	GOVERNOR ROD CP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
40	277-42801-23	ROD SPRING	1	
50	003-13050-00	CLIP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
60	001-14062-50	BOLT & WASHER ASSY (M6X25)	1	
70	018-60600-20	SQUARE NUT (M6)	1	
80	279-42502-73	GOVERNOR SPRING	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 7.5DX0.7DX115L N=19.
310	277-43303-01	SPEED CONT.LEVER CP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: W/SWIVEL.
322	277-43701-01	LINK ROD CP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
340	277-43502-03	STOP PLATE	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
350	277-44501-03	WASHER	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
355	021-70600-70	FRICTION WASHER	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 6.5DX24DX0.8T NYLON.
360	004-31062-50	SCREW (M6X25)	1	
365	237-45004-23	ADJUST SPRING	1	
395	277-43902-03	CLAMP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
396	013-10500-30	SCREW AND WASHER AY	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M5X0.8X20L W/W,SW.
435	277-46002-01	SPEED CONT.BRKT CP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
440	004-31040-80	SCREW	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
450	002-35060-00	LOCKNUT (M6)	1	
480	277-45103-03	RETURN SPRING	1	Start Code: 7031. Start Date: 4/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 7DX0.7DX28L N=15.
485	011-00600-20	FLANGE BOLT (M6X12)	2	

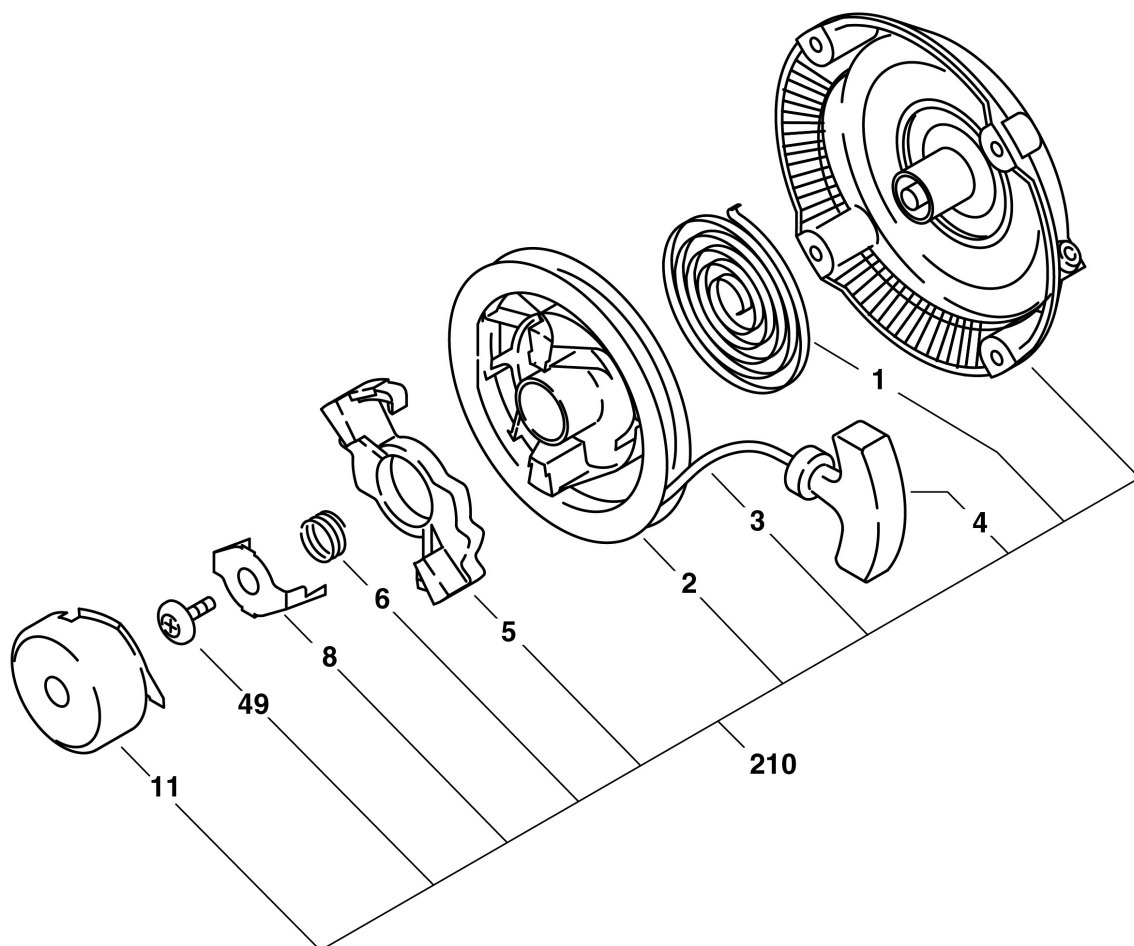
500 Cooling & Starting



500 Cooling & Starting

Ref	Part Number.	Description	Qty	Remark
10	279-51202-01	BLOWER HOUSING CP (BLACK)	1	
20	279-91702-03	LABEL(WACKER)	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 64D.
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	
81	011-00600-20	FLANGE BOLT (M6X12)	1	
220	013-00602-81	BOLT & WASHER ASSY (M6X14)	4	

520 Recoil Starter



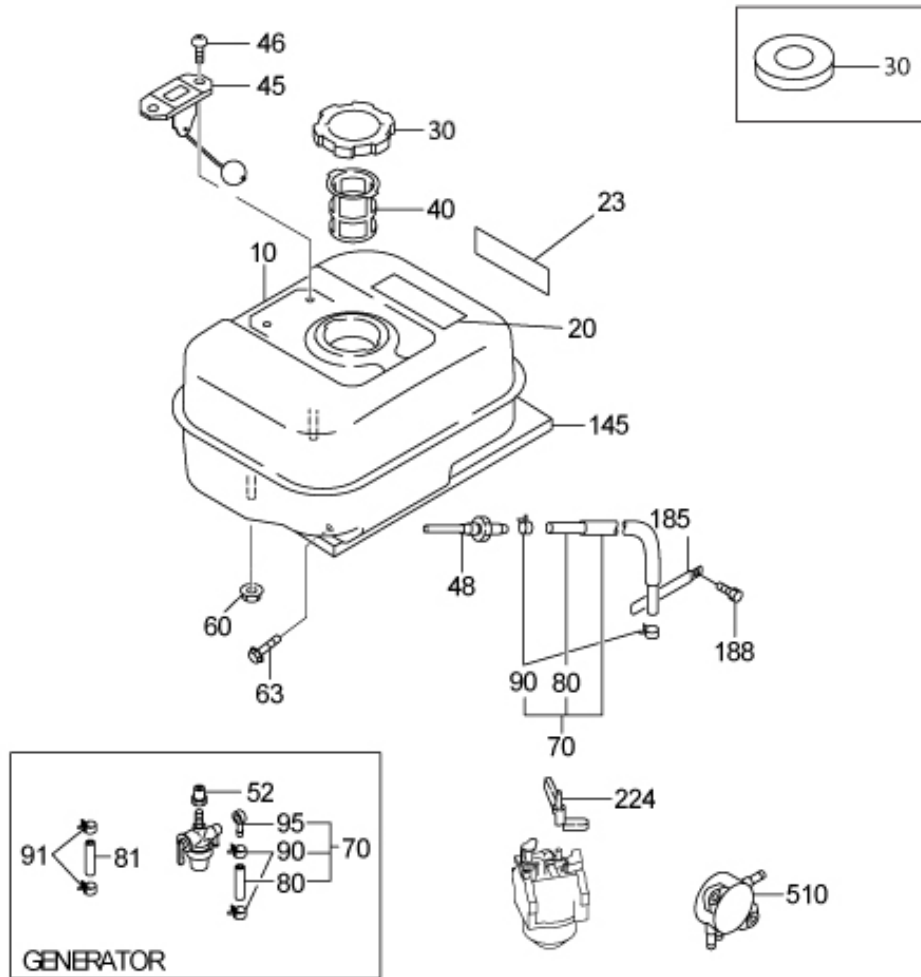
0520 0002 000

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 & Lubricant

FIG. 600



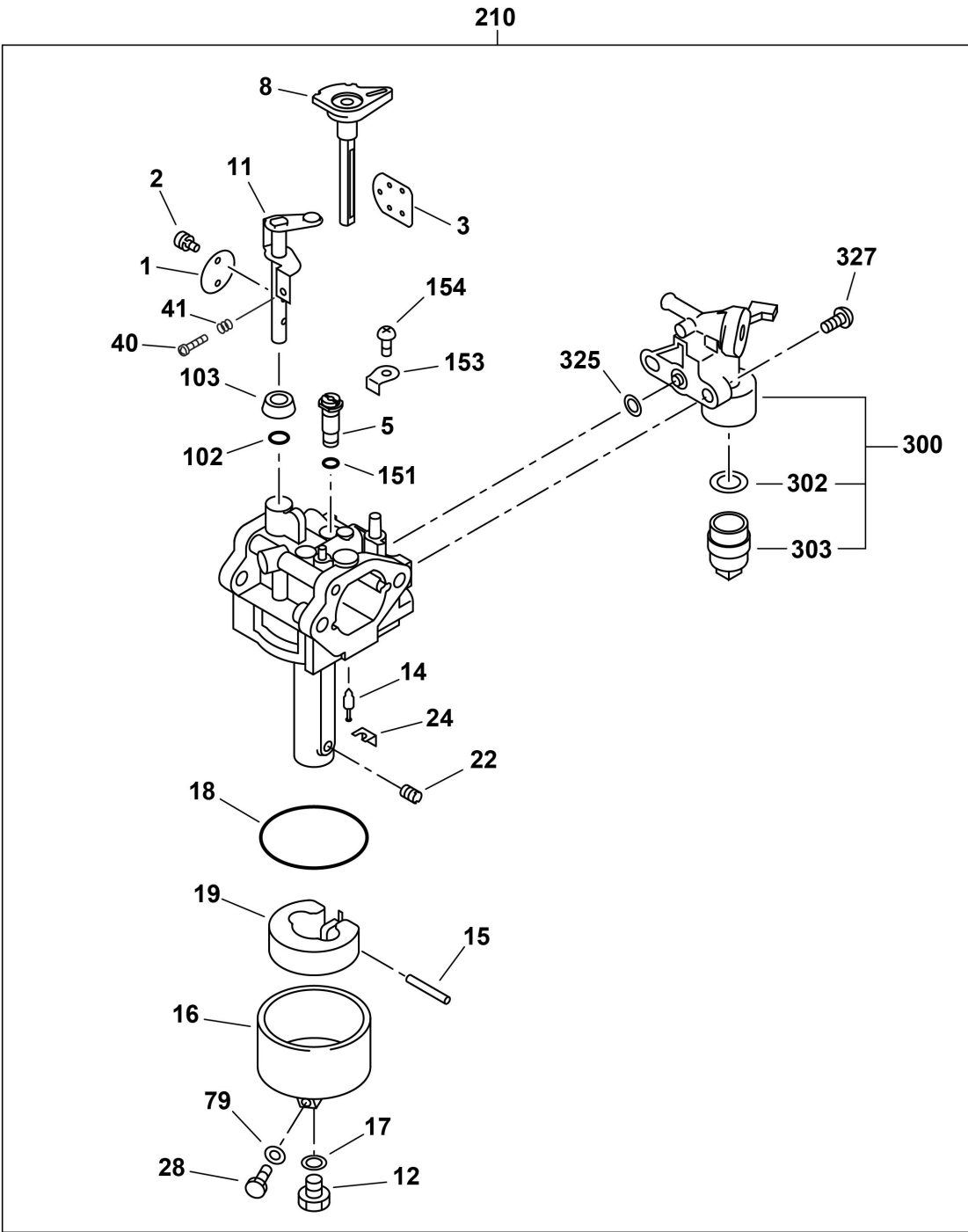
EX27

279060000W03

600 Fuel & Lubricant

Ref	Part Number.	Description	Qty	Remark
10	279-60102-11	FUEL TANK CP (BLACK)	1	6.1 LITRE
30	X43-04401-62	FUEL TANK CAP CP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 43DX68DX14H BLACK.
40	X64-13600-10	FUEL FILTER	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
48	050-51200-20	UNION	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 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	
85	279-64502-H1	GLASS TUBE	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
90	X56-11100-60	HOSE CLAMP	2	Start Code: 6972. Start Date: 2/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
224	277-43801-01	CHOKE LEVER CP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.

640 Carburetor



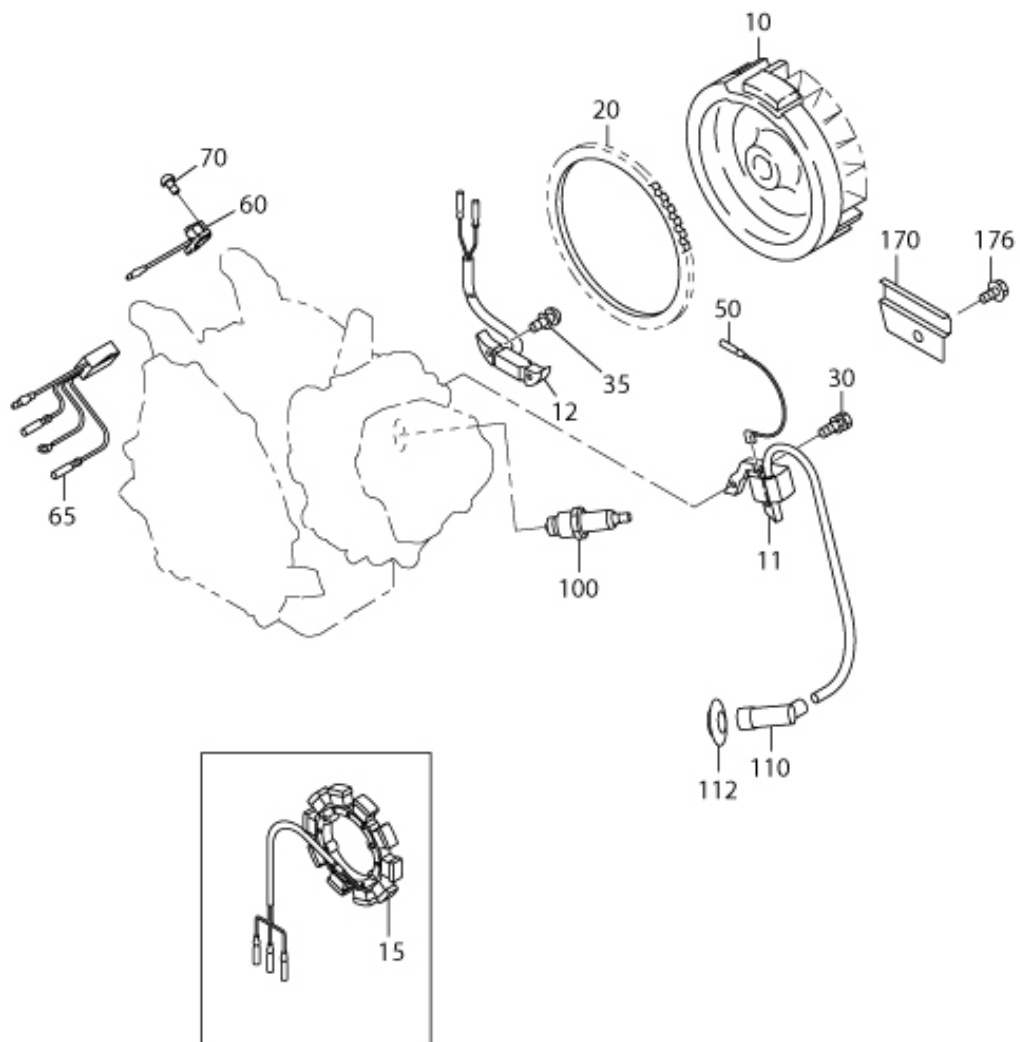
0640 0005 000

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

FIG. 700



EX27

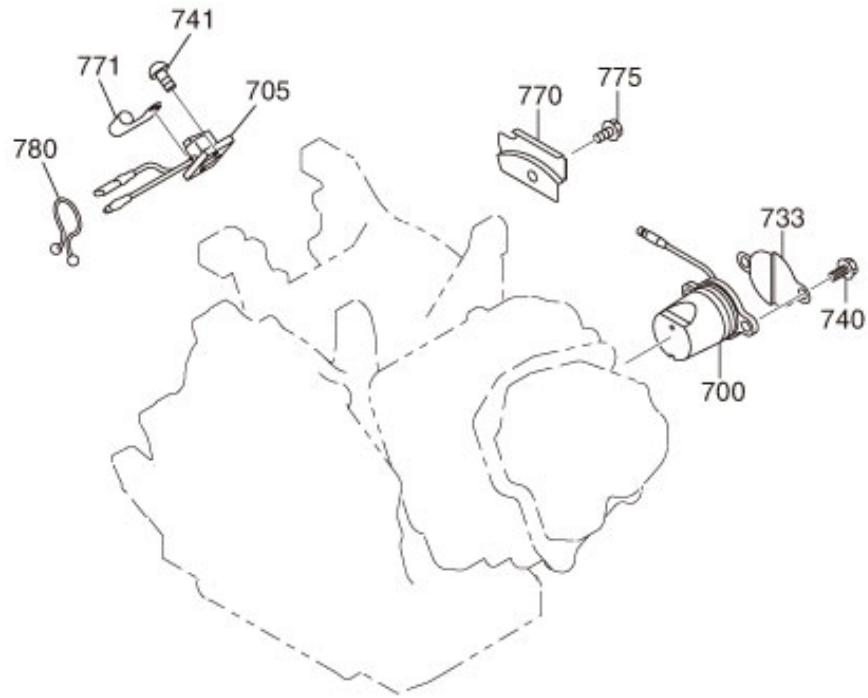
279070000W03

700 Electric Device

Ref	Part Number.	Description	Qty	Remark
10	279-79230-21	FLYWHEEL CP	1	Start Code: 7061. Start Date: 5/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
11	279-79430-01	IGNITION COIL CP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: MARK AB.
30	001-04062-00	FLANGE BOLT (M6X20)	2	
50	277-73102-H1	WIRE 2 CP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: L=360 BLACK.
60	066-00004-91	SWITCH AY	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
70	015-00400-90	TAPPING SCREW (M4X12)	2	
100	065-01401-50	SPARK PLUG	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: NGK BR6HS.
110	X65-50002-70	SPARK PLUG CAP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.

770 Electric Device

FIG. 770



EX27

279077000W01

770 Electric Device

Ref	Part Number.	Description	Qty	Remark
700	279-76301-51	OIL SENSOR CP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
705	KU3-11043-11	FLOAT C/U CP3	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
740	001-04061-40	FLANGE BOLT	2	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X1.0X16L W/W,SW.
741	011-00600-10	FLANGE BOLT (M6X8)	1	
770	279-75501-23	WIRE CLAMP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
775	015-20600-50	TAPPING BOLT	1	Start Code: 7061. Start Date: 5/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: M6X13DX10L.

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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