

PARTS MANUAL

MODEL
EX27
Engine

EX270D50022

11/16



SUBARU

Industrial Power Products

Subaru Industrial Power Products

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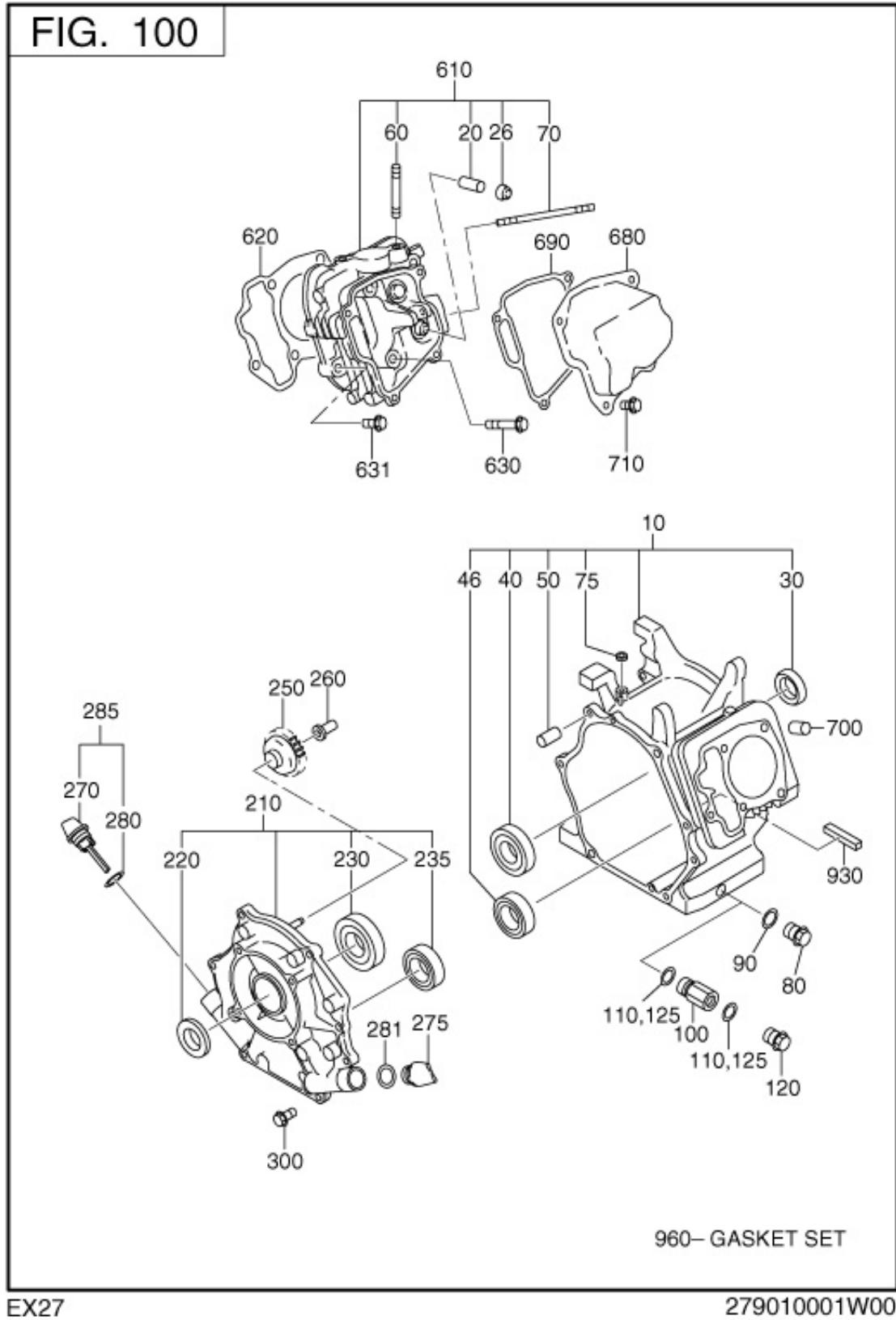
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100 Crankcase



100 Crankcase

Ref	Part Number.	Description	Qty	Remark
10	279-10102-91	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.
10	279-10102-81	CRANKCASE CP	1	End Code: 6950. Start Date: 1/1/2006 0:00:00. Start Date: 1/10/2006 0:00:00. Remarks: W/OIL SENSOR. Interchangeable with 279-10102-91.
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	060-03003-41	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	2	M8X1.25X25
70	010-50604-10	STUD	2	M6X1X107
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	279-11002-11	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-J1	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	277-41901-03	GOVERNOR SLEEVE	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 6DX7.6DX16DX26L.

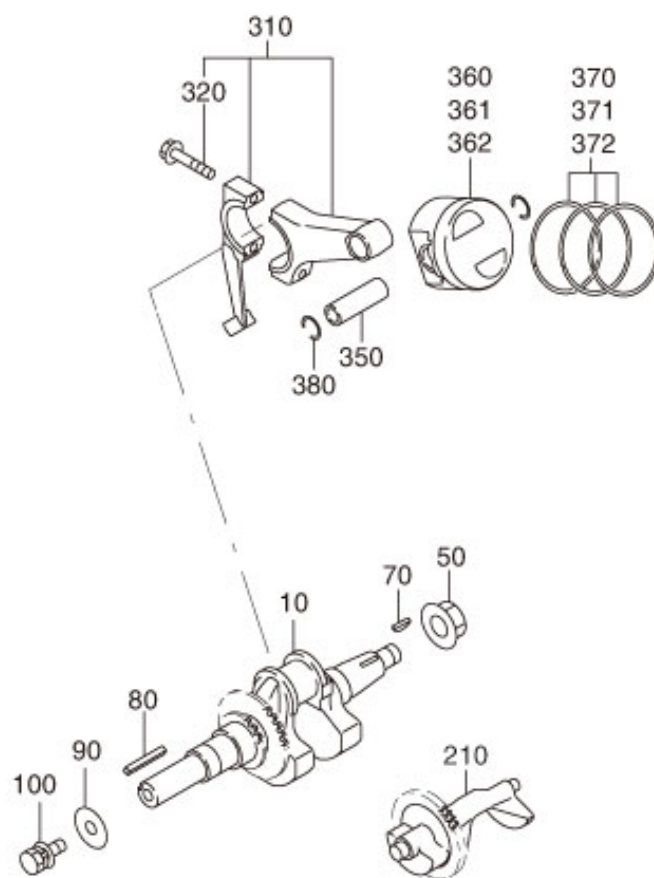
100 Crankcase

Ref	Part Number.	Description	Qty	Remark
270	279-63601-13	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.
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	7	M8X1.25X35
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	4	M8X1.25X68
631	011-00803-10	FLANGE BOLT	1	M8X1.25X33
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	4	M6X1.0X12
960	279-99001-27	GASKET SET	1	Start Date: 12/31/9999 0:00:00.

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200 Crankshaft

FIG. 200



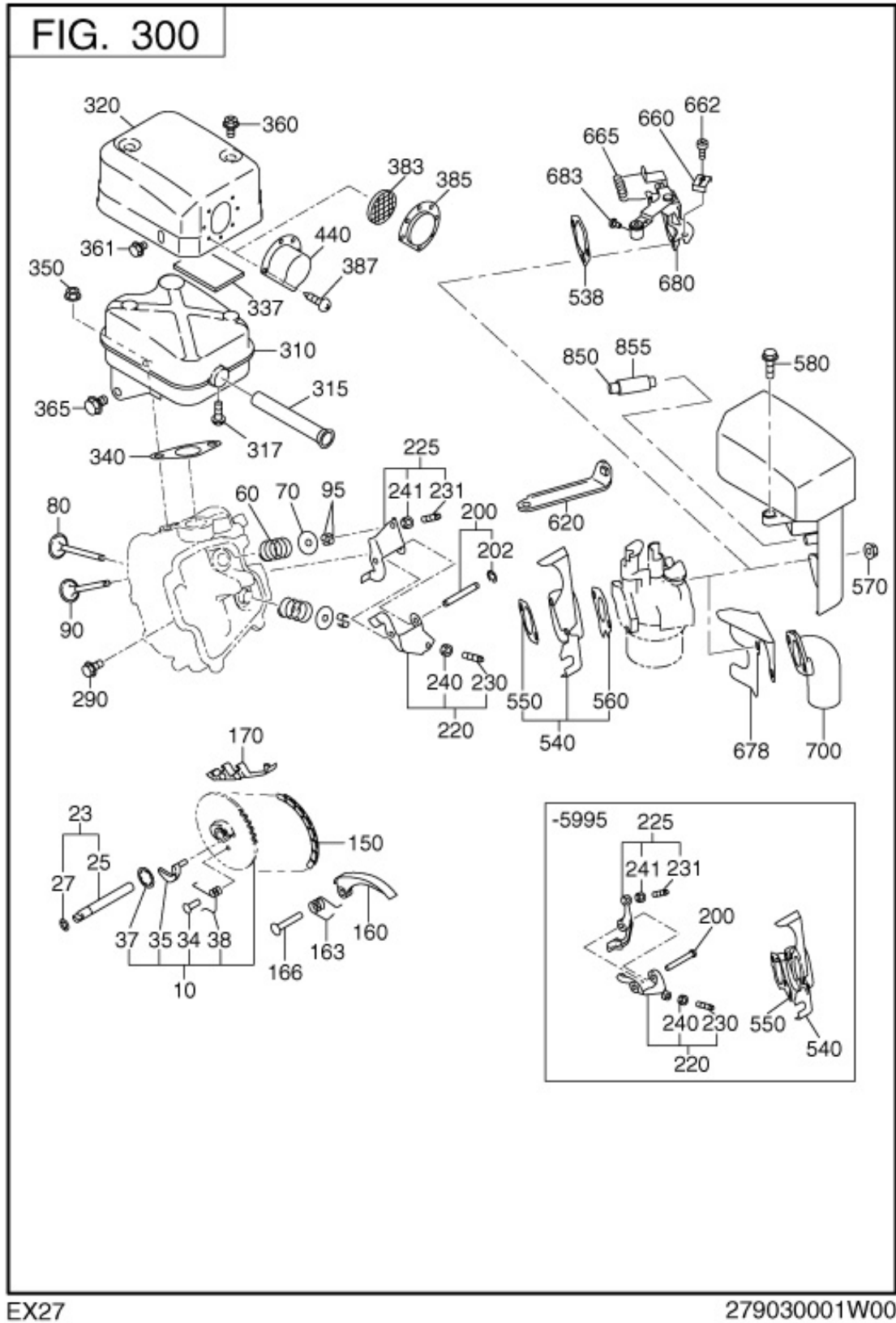
EX27

279020000W01

200 Crankshaft

Ref	Part Number.	Description	Qty	Remark
10	279-20901-61	CRANKSHAFT CP	1	L=324 DU 25.4X72.2
50	018-01800-10	FLANGE NUT (M18)	1	
70	032-30300-10	WOODRUFF KEY	1	M3X6X16
80	207-26001-03	KEY	1	6.3X6.3X40
310	279-22501-20	CONNECTING ROD AY	1	104.5CDX26B 34.5D-18
320	279-23001-03	FLANGE BOLT	2	M7X1.0X40
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	STANDARD
371	279-23512-17	PISTON RING SET	1	0.25 OVERSIZED
372	279-23513-17	PISTON RING SET	1	0.50 OVERSIZED
380	056-51800-10	CLIP	2	18.9X1.6

300 Intake & Exhaust



300 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
10	279-31601-01	CAM SHAFT CP	1	
25	277-35101-03	CAMSHAFT PIN	1	
27	024-00600-10	O-RING	1	
34	277-38601-03	SPRING PIN	1	
35	279-36401-03	RELEASE LEVER	1	
37	277-36501-03	CLIP	1	
38	277-38701-03	RETURN SPRING	1	
60	279-33601-03	VALVE SPRING	2	
70	269-33701-03	SPRING RETAINER	2	
80	279-33401-H3	INTAKE VALVE	1	
90	279-33501-H3	EXHAUST VALVE	1	
95	132-10KA0-31	VALVE COLLET	4	
150	279-35601-11	TIMING CHAIN CP (100 LINK)	1	
160	277-36911-03	TENTIONER	1	
163	277-37101-03	TENTIONER SPRING	1	
166	277-36902-03	TENTIONER PIN	1	
170	277-36913-13	CHAIN GUIDE	1	
200	277-35002-01	ROCKER PIN CP	1	
202	003-13050-00	CLIP	1	
220	277-36201-00	INTAKE ROCKER ARM ASSY	1	
225	277-36202-00	EXHAUST ROCKER ARM ASSY	1	
230	014-90500-20	ADJUST SCREW	1	M5X0.5X23
231	014-90500-20	ADJUST SCREW	1	M5X0.5X23
240	017-00500-30	NUT	1	M5X0.5
241	017-00500-30	NUT	1	M5X0.5
290	011-00600-20	FLANGE BOLT	1	M6X1.0X12
310	279-30111-K1	MUFFLER CP ¹	1	
310	279-30111-L1	MUFFLER CP ²	1	
315	279-37601-01	SPARK ARRESTER CP	1	
317	015-00400-60	TAPPING SCREW	1	M4X6
320	279-34201-11	MUFFLER COVER CP ³	1	
320	279-34201-21	MUFFLER COVER CP ⁴	1	
340	277-35201-13	EXHAUST GASKET	1	

Footnotes

- 1:** End Code: 6971
2: Start Code: 6972
3: End Code: 7030
4: Start Code: 7031

300 Intake & Exhaust

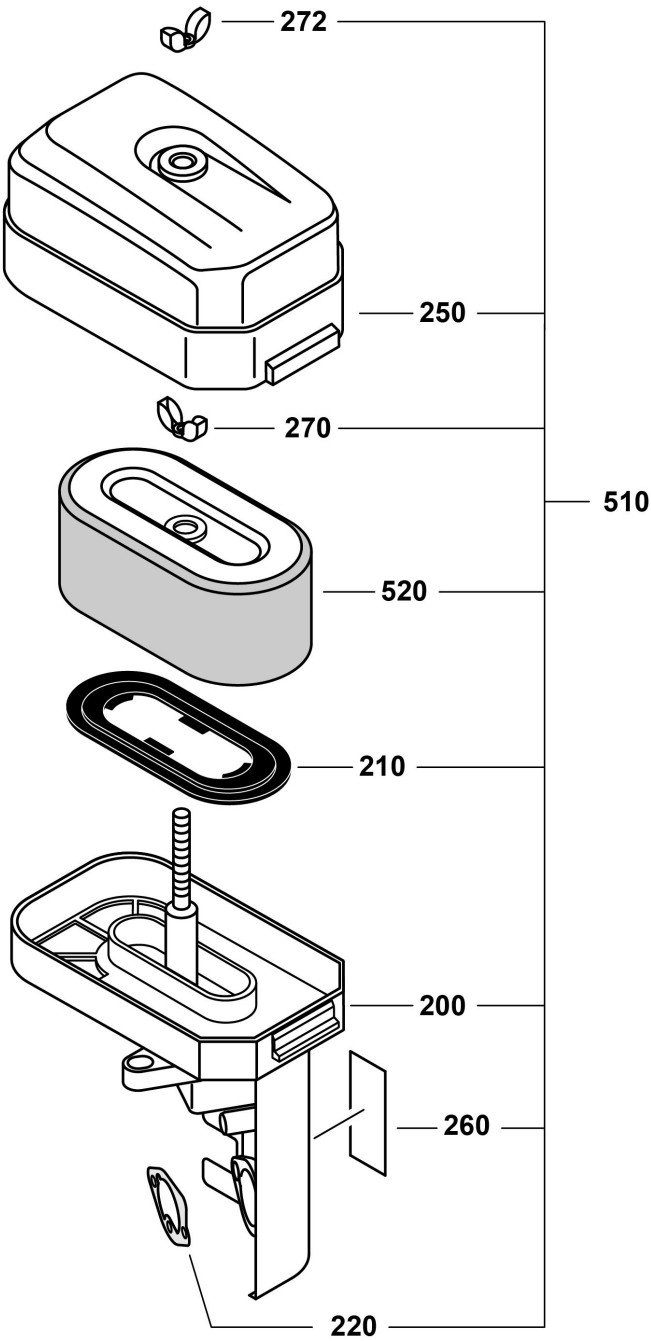
Ref	Part Number.	Description	Qty	Remark
350	980-20082-80	FLANGE NUT	2	M8
360	015-20600-90	TAPPING BOLT	2	M6X10
361	011-00600-10	FLANGE BOLT	1	M6X1.10X8
365	011-00803-20	FLANGE BOLT	1	M8X12
387	015-00400-60	TAPPING SCREW	2	M4X6
440	277-37001-H1	DEFLECTOR CP	1	
540	279-32902-J1	INSULATOR CP	1	
550	279-35903-J3	INTAKE GASKET	1	
560	279-35902-J3	INTAKE GASKET	1	
570	002-38060-00	FLANGE NUT	2	M6X1.0
580	001-04062-00	FLANGE BOLT	1	M6X1.0X20

Footnotes

- 1: End Code: 6971
- 2: Start Code: 6972
- 3: End Code: 7030
- 4: Start Code: 7031

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315 Air Cleaner

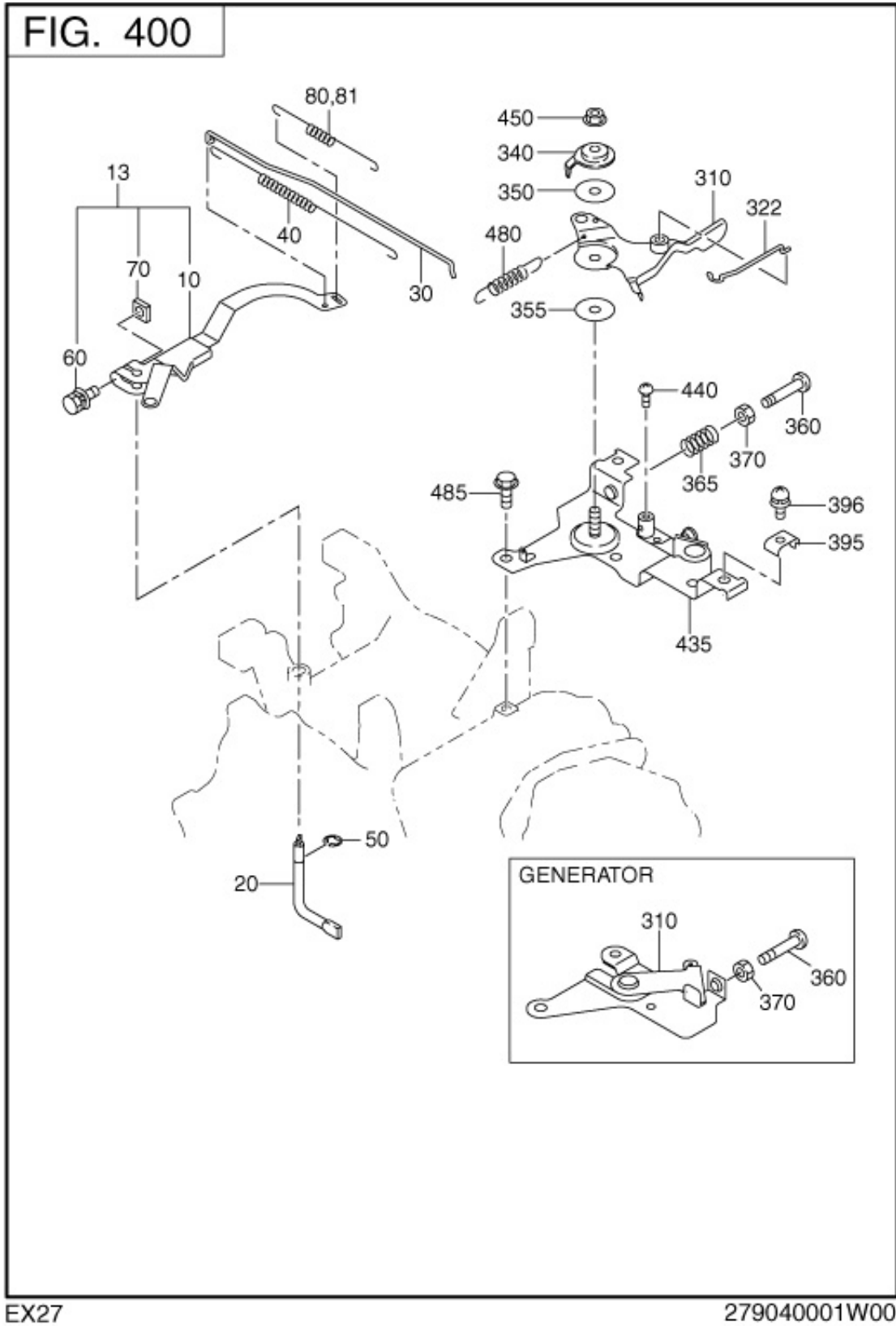


0315 0025 000

315 Air Cleaner

Ref	Part Number.	Description	Qty	Remark
510	279-32615-30	AIR CLEANER ASSY	1	DUAL
200	279-32634-28	AIR CLEANER BASE	1	
210	279-32720-08	SEAL	1	
220	279-32650-08	GASKET	1	
250	279-32643-18	COVER	1	
260	279-32730-08	LABEL	1	
270	279-32740-08	WINGNUT	2	
520	279-32607-07	ELEMENT SET	1	DUAL

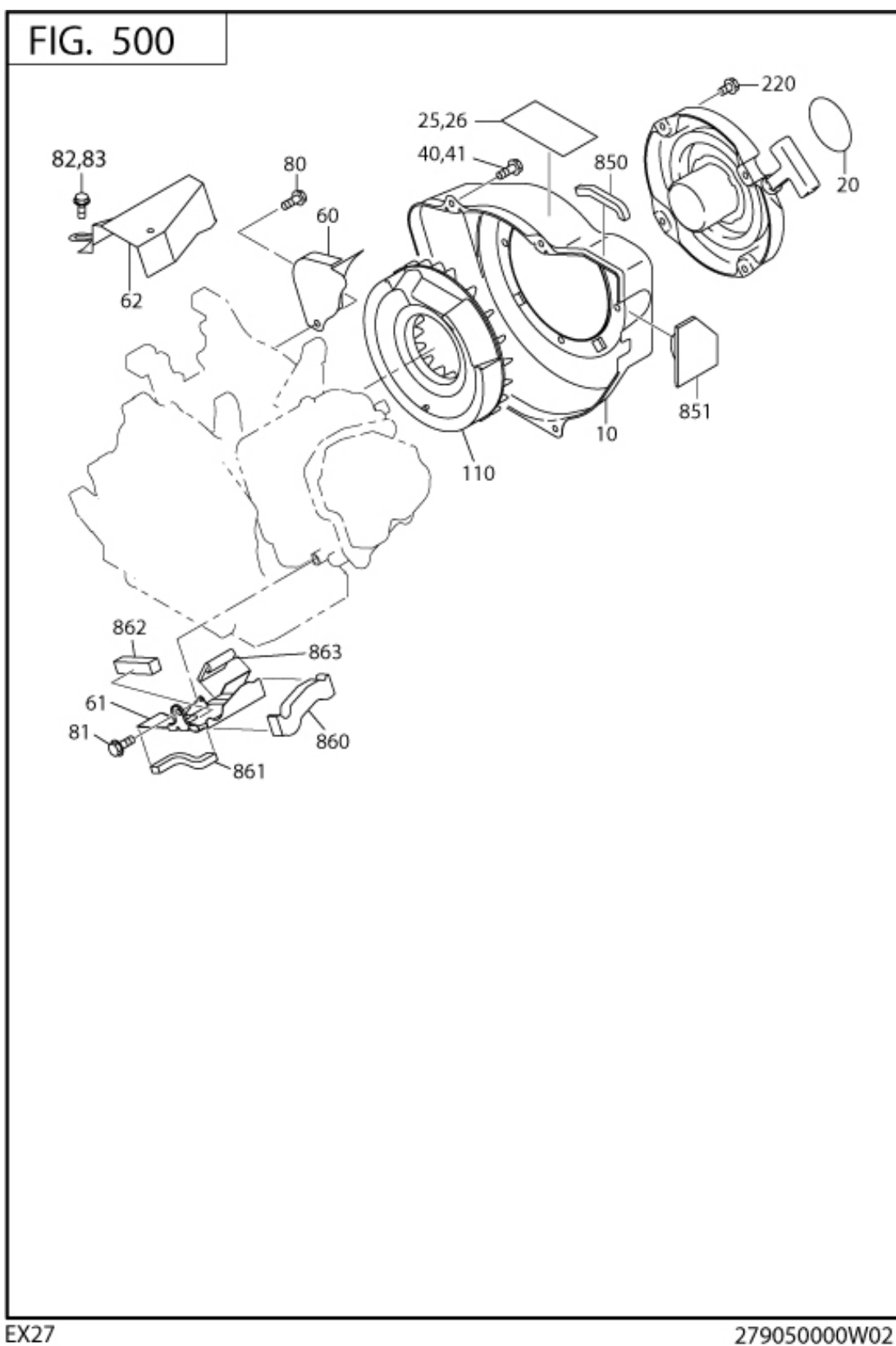
400 Governor



400 Governor

Ref	Part Number.	Description	Qty	Remark
10	279-42301-43	GOVERNOR LEVER	1	End Code: 6997. Start Date: 1/1/2006 0:00:00. Start Date: 2/26/2006 0:00:00.
10	279-42301-53	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	279-42701-11	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	
60	013-00602-40	BOLT & WASHER ASSY	1	M6X1.0X25
70	018-60600-20	SQUARE NUT	1	M6X1.0X4.9
80	279-42502-63	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 CONTROL LEVER CP	1	
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	
355	021-70600-70	FRICTION WASHER	1	NYLON
360	004-31062-50	SCREW	1	M6X1.0X25
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 ASSY	1	M5X0.8X20
435	277-46002-01	SPEED CONTROL BRACKET CP	1	
440	004-31040-80	SCREW(M4X8)	1	
450	002-35060-00	LOCKNUT	1	M6X1.0
480	267-45101-03	RETURN SPRING	1	End Code: 7030. Start Date: 1/1/2006 0:00:00. Start Date: 3/31/2006 0:00:00. Remarks: 7DX0.7DX28L N=15.
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	2	M6X1.0X12

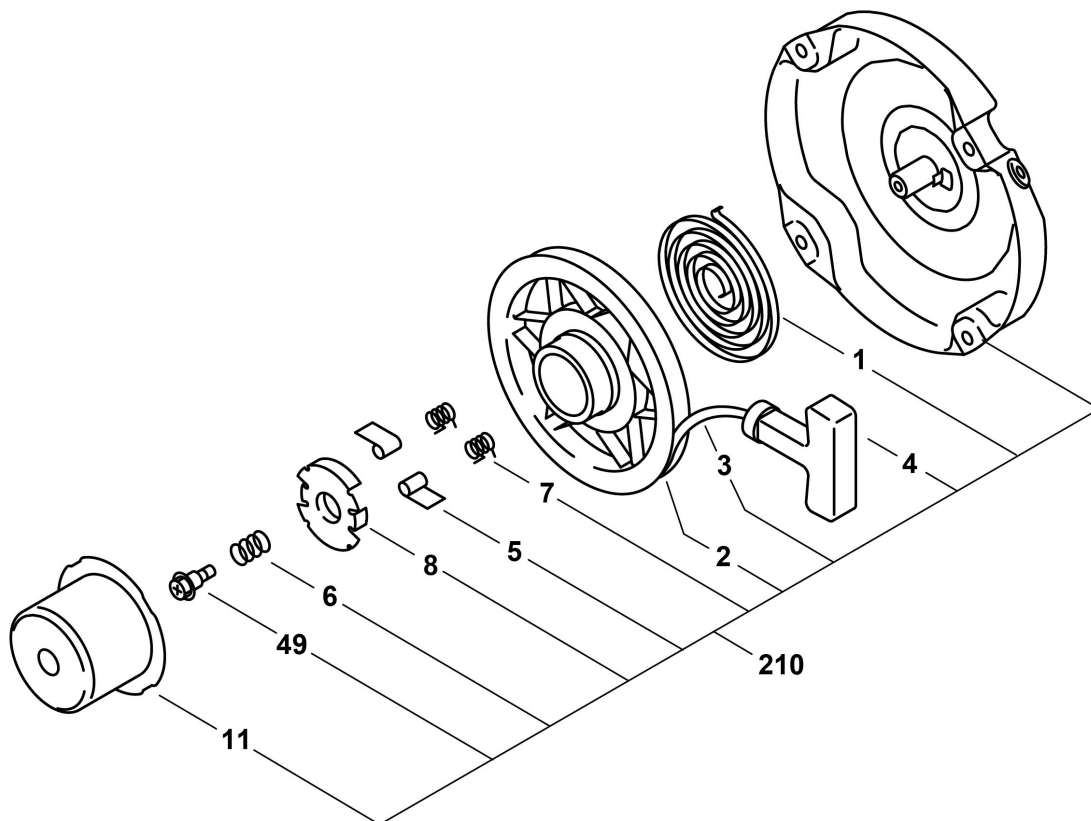
500 Cooling & Starting



500 Cooling & Starting

Ref	Part Number.	Description	Qty	Remark
10	279-51202-01	BLOWER HOUSING CP	1	BLACK
20	073-20054-70	LABEL (TRADE MARK)	1	
40	011-00600-30	FLANGE BOLT	4	M6X1.0X14
60	279-52711-11	CASE BAFFLE 1 CP	1	
61	279-52702-13	HEAD BAFFLE 2	1	
81	011-00600-20	FLANGE BOLT	1	M6X1.0X12
220	011-00600-10	FLANGE BOLT	4	M6X1.10X8

520 Recoil Starter



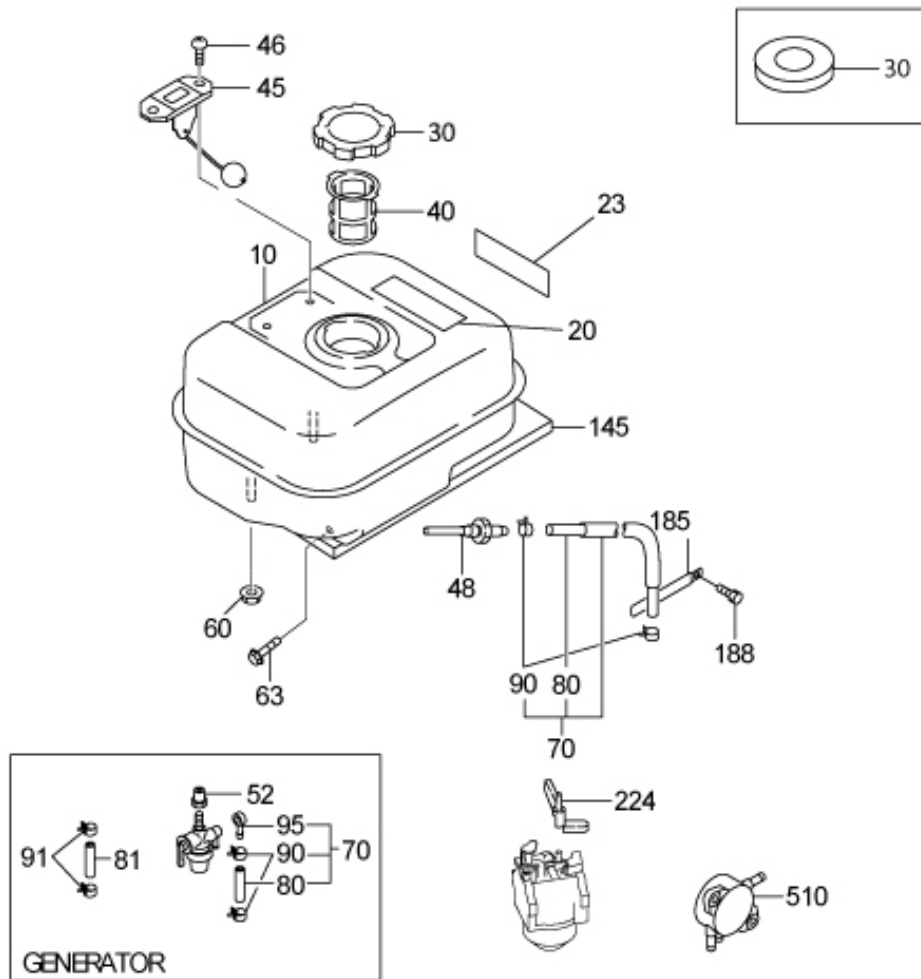
0315 0025 000

520 Recoil Starter

Ref	Part Number.	Description	Qty	Remark
210	279-50202-00	RECOIL STARTER ASSY	1	170PD
1	226-50716-08	RETURN SPRING	1	
2	279-50120-08	REEL	1	
3	279-50110-08	STARTER ROPE	1	
4	226-50701-08	STARTER HANDLE	1	
5	279-50125-08	RACHET	2	
6	226-50731-08	FRICTION SPRING	1	
7	226-50752-08	RATCHET SPRING	2	
8	226-50741-08	FRICTION PLATE	1	
11	279-50145-08	STARTER PULLEY	1	
49	226-50753-18	SCREW	1	

600 Fuel & Lubricant

FIG. 600



EX27

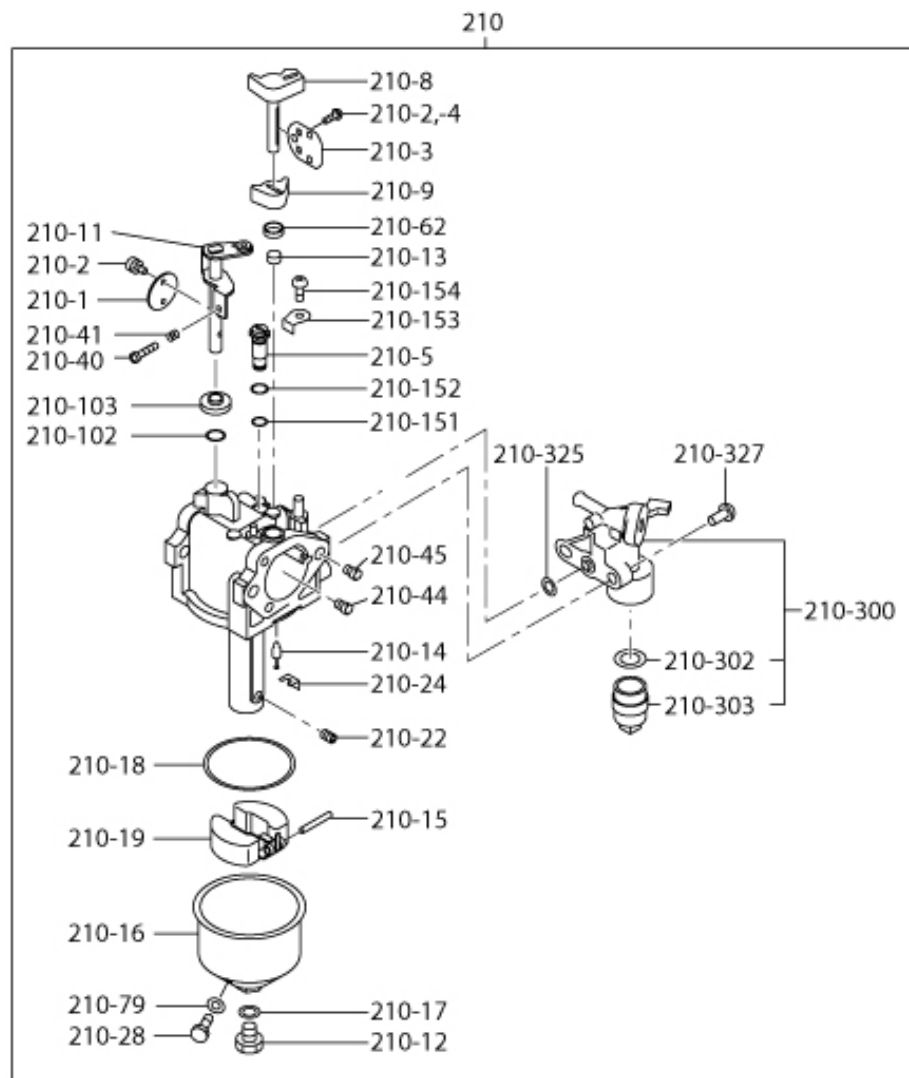
279060000W03

600 Fuel & Lubricant

Ref	Part Number.	Description	Qty	Remark
10	279-60102-11	FUEL TANK CP (BLACK)	1	6.1 LITRE
20	073-20051-81	LABEL(WARNING)	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 42X104 ENGLISH.
23	279-95111-03	LABEL(MODEL)	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: 32X125.
30	043-04400-50	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	2	M8X1.25
63	011-00802-50	FLANGE BOLT (M8X25)	2	
70	279-62602-01	FUEL PIPE CP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
80	X85-10615-80	RUBBER PIPE	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
85	279-64502-H1	GLASS TUBE	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
90	056-11100-50	HOSE CLAMP	2	Start Code: 6972. Start Date: 2/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
90	X56-11100-20	HOSE CLAMP	2	End Code: 6971. Start Date: 1/1/2006 0:00:00. Start Date: 1/31/2006 0:00:00. Remarks: 10.5DX8BX0.7T.
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

FIG. 640



EX27

279064000W02

640 Carburetor

Ref	Part Number.	Description	Qty	Remark
210-302	277-62110-18	PACKING	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-300	279-62103-10	COCK BODY-A	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-152	279-62452-08	O-RING	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-28	285-62551-08	DRAIN SCREW	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-11	279-62530-08	SHAFT SUB ASSY(TH)	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-12	251-62453-08	SCREW	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-14	279-62500-08	VALVE ASSY NEEDLE	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-15	279-62515-08	PIN FLOAT LEVER	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-16	285-62550-08	FLOAT CHAMBER SUB AY	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-17	251-62350-08	GASKET	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-18	279-62540-08	GASKET CHAMBER	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-22	279-62401-08	JET MAIN	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: #96.
210-40	279-62353-18	SCREW ADJUSTING	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-41	279-62445-08	SPRING	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-79	285-62552-08	GASKET	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-102	279-62561-08	BUSH	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-103	279-62562-08	COLLAR	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-151	279-62451-08	O-RING	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-19	279-62505-08	FLOAT SUB ASSY	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-0	279-62302-40	CARBURETOR AY	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-1	279-62535-08	VALVE THROTTLE	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-2	251-62450-08	SCREW	2	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.

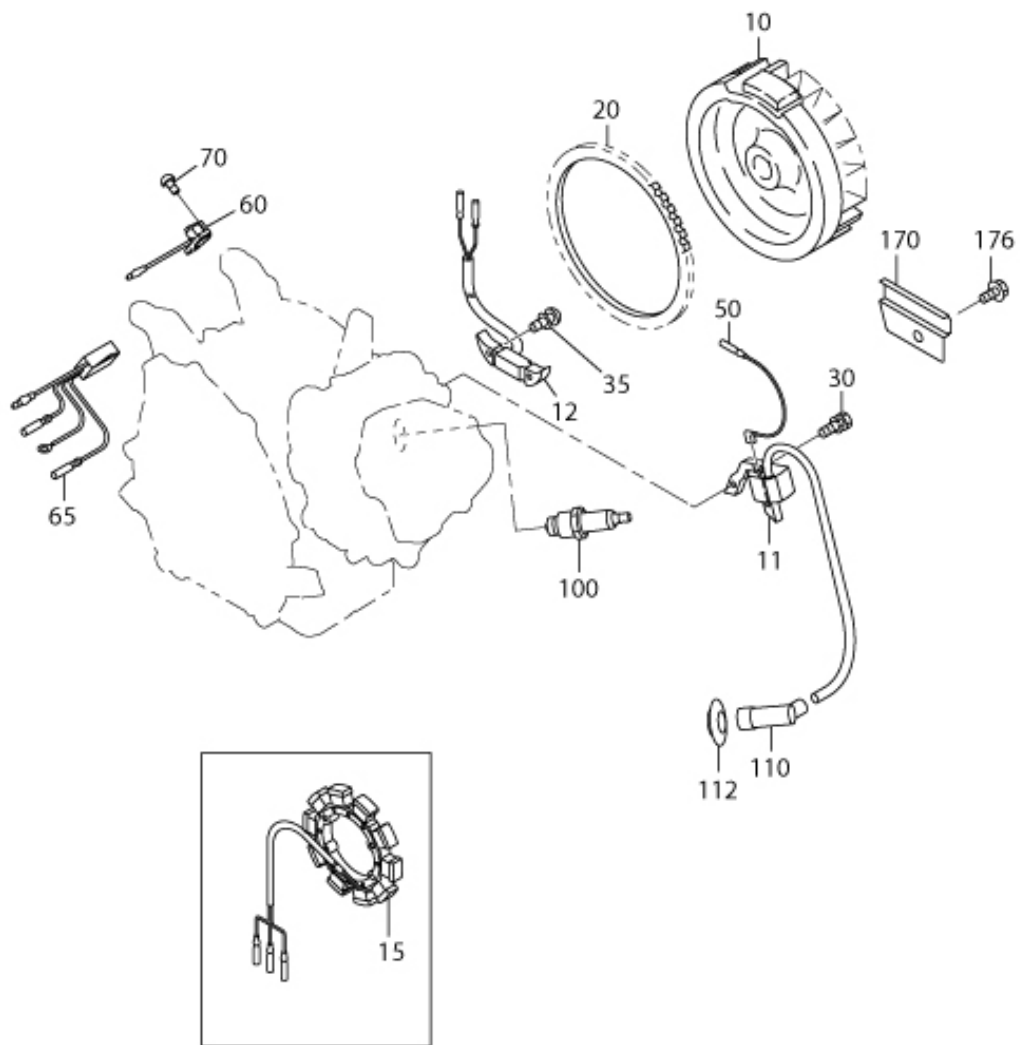
640 Carburetor

Ref	Part Number.	Description	Qty	Remark
210-3	279-62525-08	VALVE CHOKE	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-5	279-62420-08	JET SLOW	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00. Remarks: #40.
210-8	279-62520-08	SHAFT CHOKE	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-303	277-62100-18	CUP	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-325	006-26100-61	O-RING	1	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.
210-327	279-62585-08	SCREW	2	Start Date: 1/1/2006 0:00:00. Start Date: 12/31/9999 0:00:00.

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700 Electric Device

FIG. 700



EX27

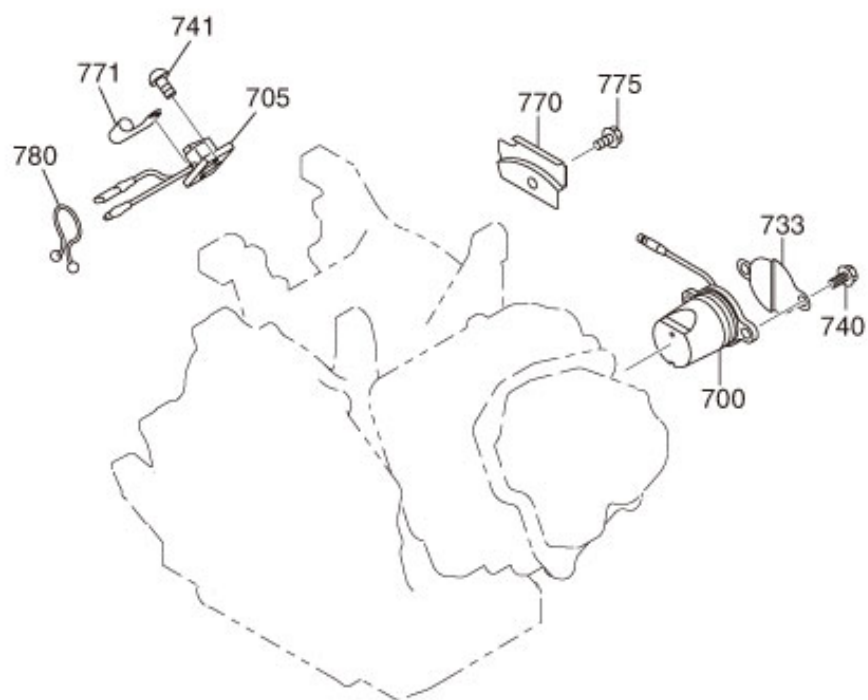
279070000W03

700 Electric Device

Ref	Part Number.	Description	Qty	Remark
10	279-79230-11	FLYWHEEL CP ¹	1	MARK FA AP02
10	279-79231-01	FLYWHEEL CP ²	1	
11	279-79430-01	IGNITION COIL CP	1	MARK AB
30	001-14062-50	BOLT AND WASHER ASSY	2	M6X1.0X25
50	277-73102-H1	WIRE 2 CP	1	
60	X66-00004-20	SWITCH AY	1	
70	015-00400-90	TAPPING SCREW	2	M4X12
100	065-01401-50	SPARK PLUG	1	NGK BR6HS
110	065-50002-70	SPARK PLUG CAP	1	
Footnotes				
1: End Code: 7060 2: Start Code: 7061				

770 Electric Device

FIG. 770



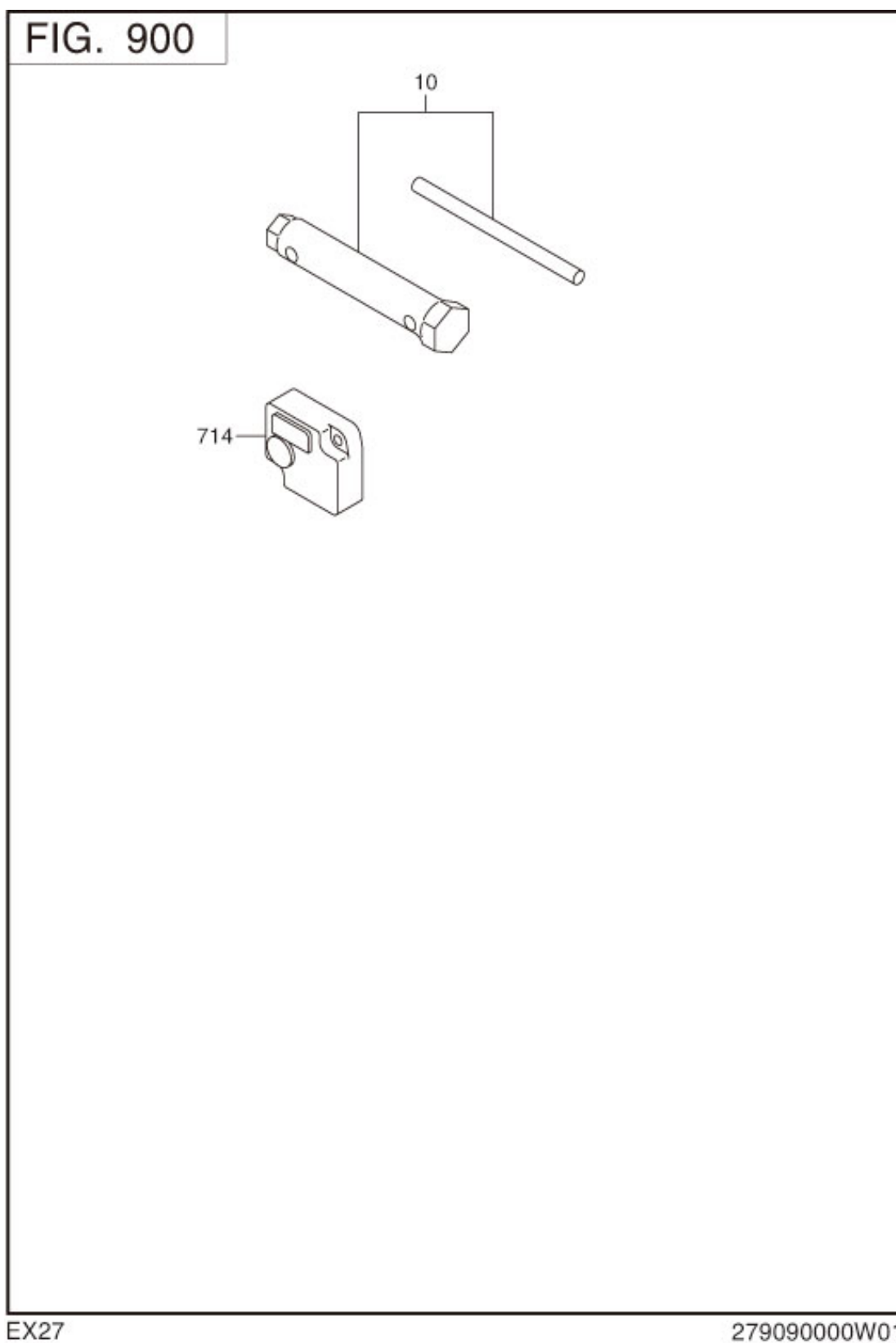
EX27

279077000W01

770 Electric Device

Ref	Part Number.	Description	Qty	Remark
700	279-76301-41	OIL SENSOR CP	1	
705	KU3-11043-11	FLOAT C/U CP3	1	
740	001-14061-60	BOLT AND WASHER ASSY	2	M6X1.0X16
741	011-00600-10	FLANGE BOLT	1	M6X1.10X8
770	279-75501-13	WIRE CLAMP	1	
775	015-20600-50	TAPPING BOLT	1	M6X10

900 Accessory



900 Accessory

Ref	Part Number.	Description	Qty	Remark
10	277-90301-H0	ACCESSORY TOOL KIT	1	

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