

PARTS MANUAL

MODEL
EX13
Engine

EX130D50380

11/16



SUBARU

Industrial Power Products

Subaru Industrial Power Products

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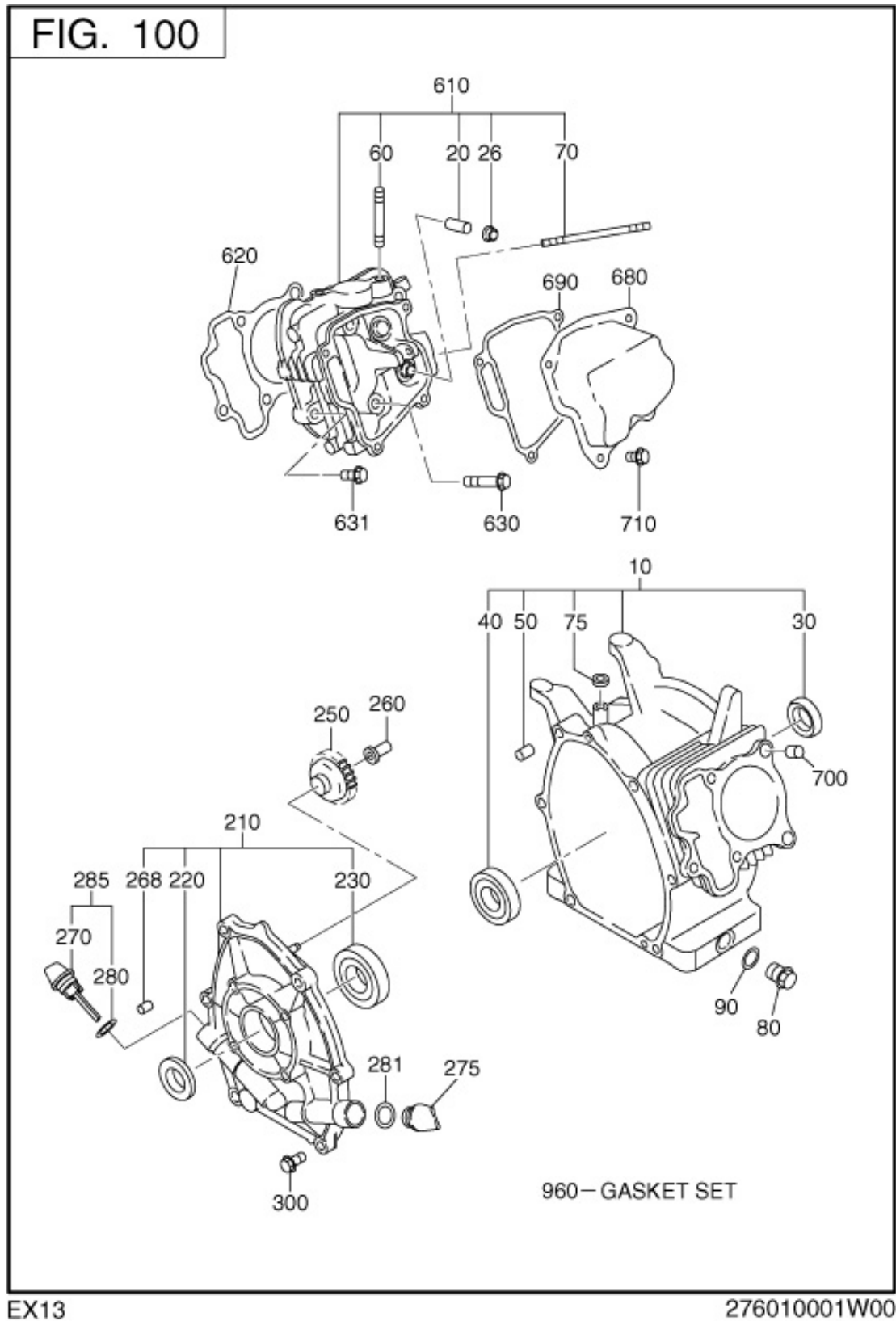
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100 Crankcase

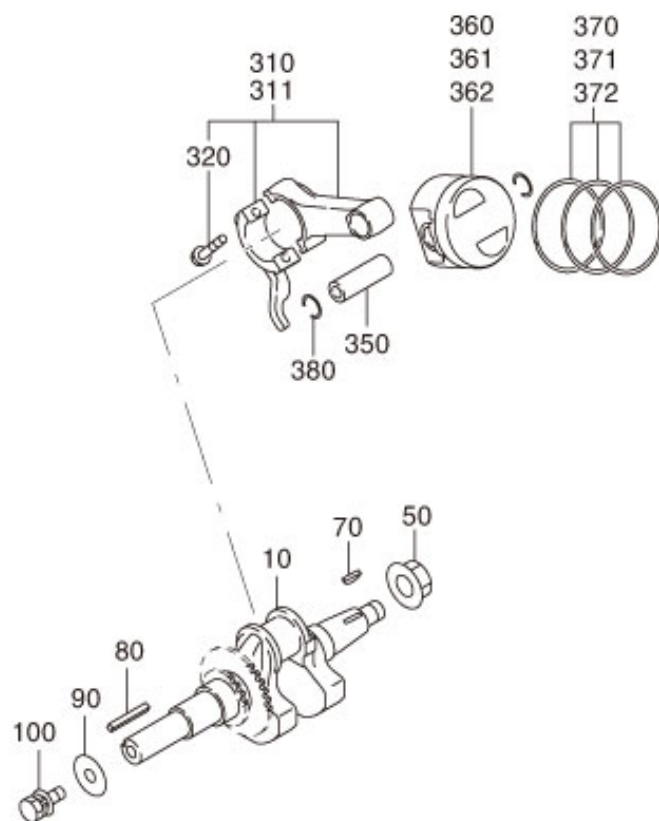


100 Crankcase

Ref	Part Number.	Description	Qty	Remark
10	276-10111-01	CRANKCASE CP	1	
20	237-14202-03	VALVE GUIDE	2	
26	277-16010-01	STEM SEAL	1	
30	044-02502-00	OIL SEAL	1	
40	060-02800-21	BALL BEARING	1	
50	277-15011-03	PIPE KNOCK	2	
60	010-50802-50	STUD (M8X1.25X25)	2	
70	010-50603-51	STUD	2	M6X1.0X98
75	044-00600-20	OIL SEAL	1	
80	040-11400-30	PLUG	1	
90	021-11400-20	GASKET	1	
210	277-11002-31	MAIN BEARING COVER C	1	
220	044-02502-10	OIL SEAL	1	
230	X60-02501-40	BALL BEARING	1	
250	277-45004-K1	GOVERNOR GEAR CP	1	
260	277-41902-01	GOVERNOR SLEEVE	1	
270	277-63601-30	OIL GAUGE ASSY	2	
275	277-65001-03	FILLER PLUG	1	
280	021-31600-20	GASKET	1	
281	021-31600-20	GASKET	1	
300	001-04083-50	FLANGE BOLT (M8X35)	6	
610	276-10101-41	CYLINDER HEAD CP	1	
620	276-15001-33	GASKET (HEAD)	1	
630	011-00802-40	FLANGE BOLT (M8X68)	4	
631	011-00803-10	FLANGE BOLT (M8X33)	1	
631	001-04083-50	FLANGE BOLT (M8X35)	1	
680	277-15501-01	ROCKER COVER CP	1	
690	277-16001-13	GASKET	1	
700	277-15011-03	PIPE KNOCK	2	
710	011-00600-20	FLANGE BOLT	4	M6X1.0X12
960	276-99001-27	GASKET SET	1	

200 Crankshaft

FIG. 200



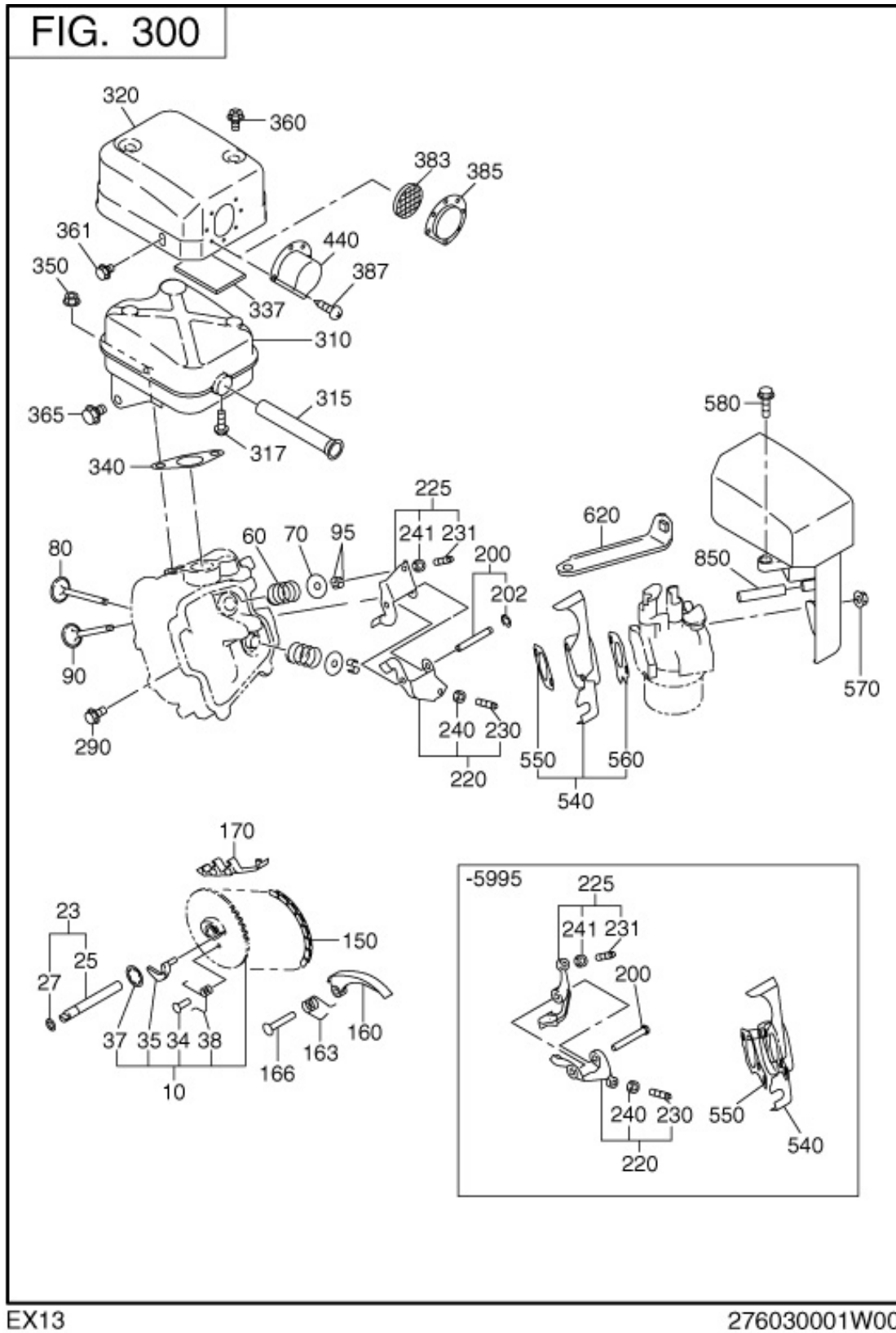
EX13

276020000W01

200 Crankshaft

Ref	Part Number.	Description	Qty	Remark
10	276-20901-41	CRANKSHAFT CP	1	
50	018-01400-20	FLANGE NUT	1	M14X1.5
70	032-30300-10	WOODRUFF KEY	1	M3X6X16
80	206-26001-13	KEY	1	
310	276-22501-10	CONNECTING ROD AY	1	
360	276-23401-H3	PISTON	1	
371	276-23531-07	PISTON RING SET	1	
380	215-25004-03	CLIP	2	

300 Intake & Exhaust



300 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
10	277-31601-71	CAMSHAFT CP	1	
25	277-35101-01	CAMSHAFT PIN CP	1	
27	024-00600-30	O-RING	1	
34	277-38601-03	SPRING PIN	1	
35	277-36401-13	RELEASE LEVER	1	
37	277-36501-03	CLIP	1	
38	277-38703-33	RETURN SPRING	1	5.1X0.6X4.4 N=7
60	279-33601-03	VALVE SPRING	2	
70	269-33701-03	SPRING RETAINER	2	
80	276-33401-H3	INTAKE VALVE	1	
90	276-33501-H3	EXHAUST VALVE	1	
95	132-10KA0-31	VALVE COLLET	4	
150	276-35602-H1	TIMING CHAIN CP (86 LINK)	1	
160	20A-36911-03	TENTIONER AY	1	
163	277-37101-03	TENTIONER SPRING	1	
166	277-36902-03	TENTIONER PIN	1	6X13X34
170	277-36913-13	CHAIN GUIDE	1	
200	277-35004-03	ROCKER PIN CP ¹	1	6X9X41
200	277-35004-01	ROCKER PIN CP ²	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	276-30112-K1	MUFFLER CP	1	
315	277-37601-01	SPARK ARRESTER CP	1	
320	276-34201-41	MUFFLER COVER CP	1	
340	277-35201-13	EXHAUST GASKET	1	
350	980-20082-80	FLANGE NUT	2	M8

Footnotes

- 1:** End Code: 5995
2: Start Code: 5996
3: End Code: 6209
4: Start Code: 6210
5: End Code: 6453
6: Start Code: 6454

300 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
360	015-20600-90	TAPPING BOLT	2	M6X10
361	011-00600-10	FLANGE BOLT	1	M6X1.10X8
365	011-00801-50	FLANGE BOLT ³	1	M8X1.25X12
365	011-00803-20	FLANGE BOLT ⁴	1	M8X12
385	277-37203-H1	SCREEN CP	1	
387	015-00400-60	TAPPING SCREW	2	M4X6
540	277-32902-H1	INSULATOR CP ⁵	1	
540	277-32902-J1	INSULATOR CP ⁶	1	
550	277-35903-H3	INTAKE GASKET ⁵	1	
550	277-35903-J3	INTAKE GASKET ⁶	1	
560	277-35902-H3	INTAKE GASKET ⁵	1	
560	277-35902-J3	INTAKE GASKET ⁶	1	
570	002-38060-00	FLANGE NUT	2	M6X1.0
580	011-00600-50	FLANGE BOLT	1	M6X1.0X20

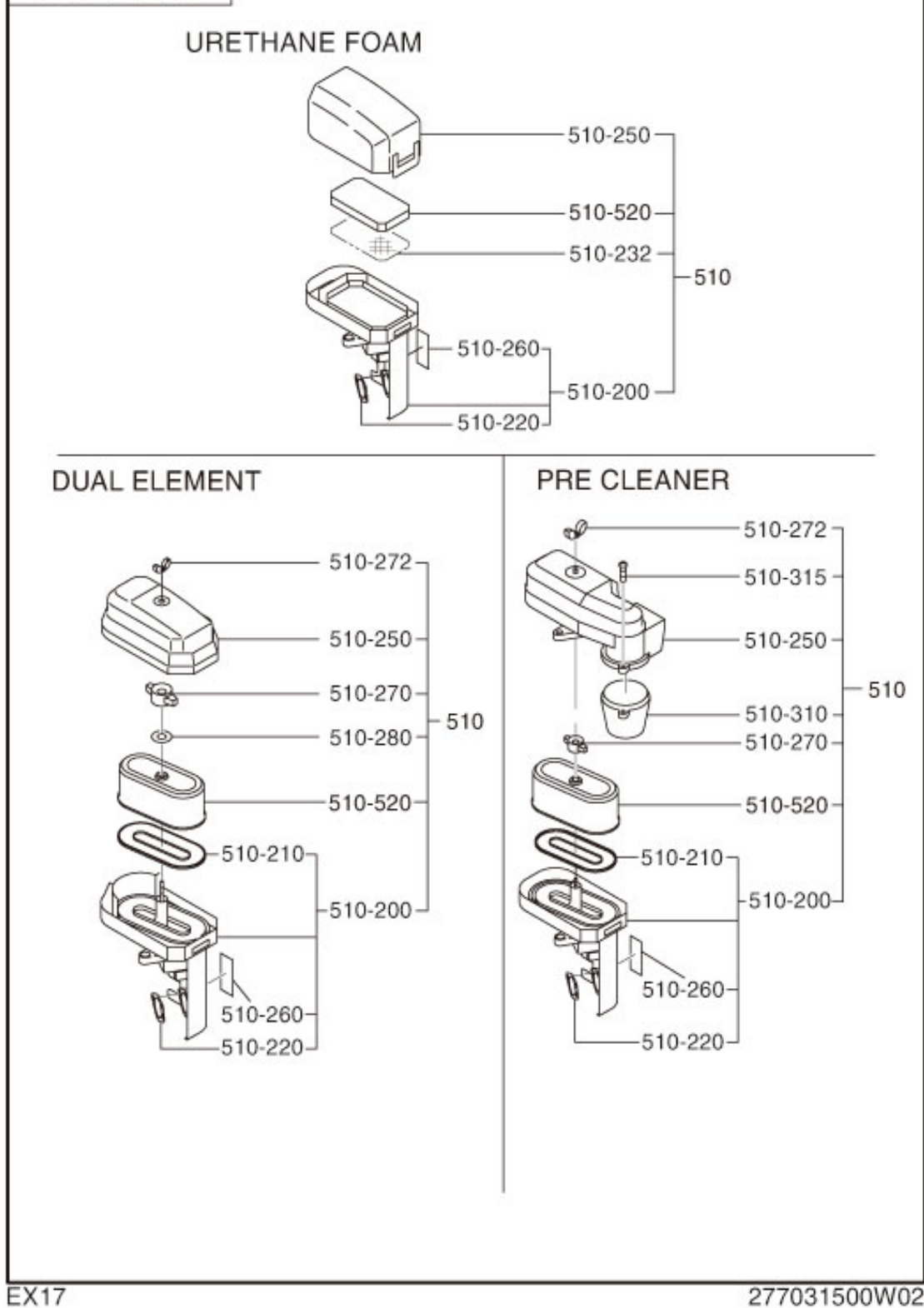
Footnotes

- 1:** End Code: 5995
2: Start Code: 5996
3: End Code: 6209
4: Start Code: 6210
5: End Code: 6453
6: Start Code: 6454

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315 Intake & Exhaust

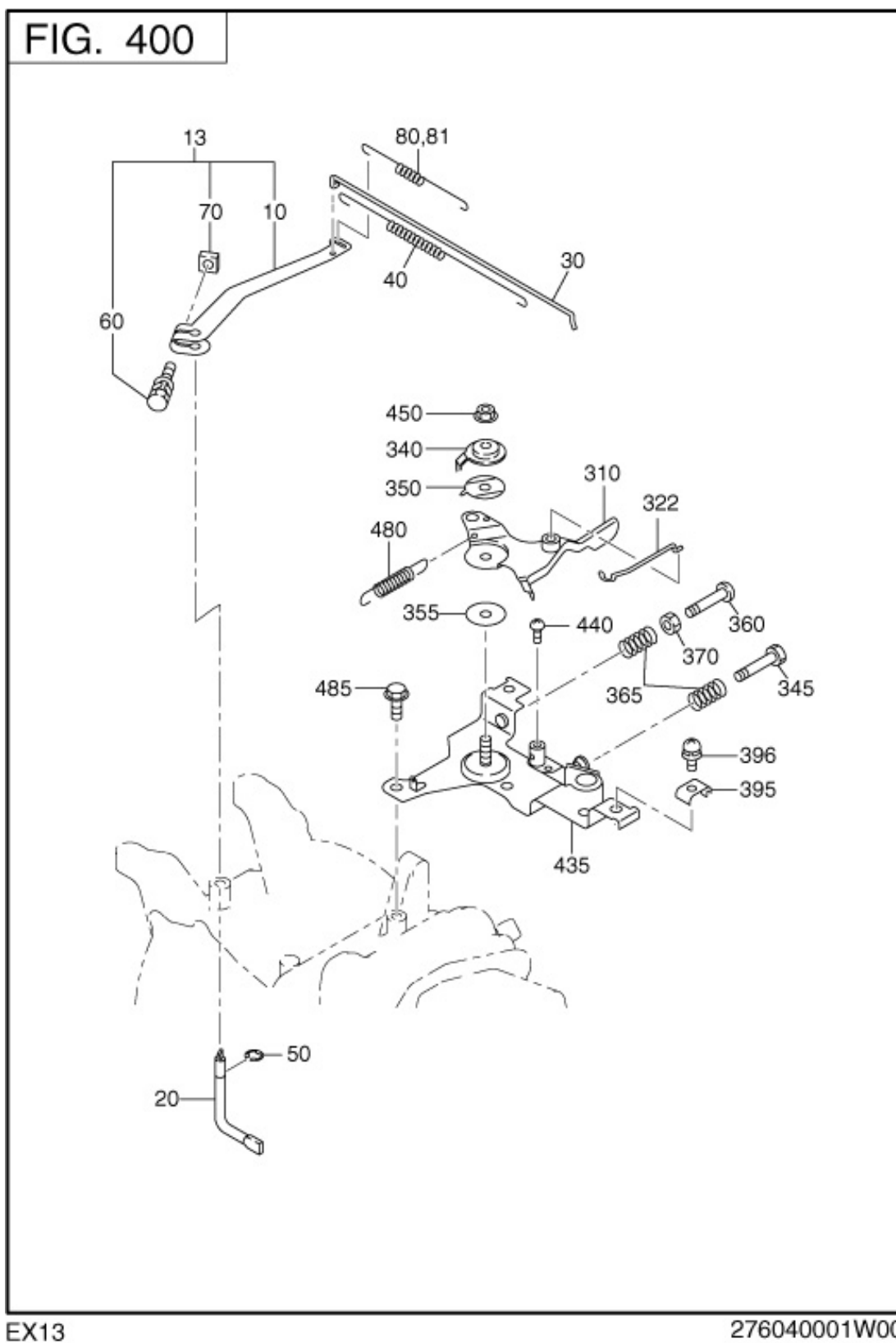
FIG. 315



315 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
510	277-32715-30	AIR CLEANER AY	1	
-200	277-32639-08	BASE CP	1	
-210	277-32610-08	SEAL	1	
-220	277-32604-08	INTAKE GASKET	1	
-250	277-32640-08	COVER CP	1	
-260	277-32667-08	LABEL	1	
-270	277-32741-18	WING NUT	1	
-272	277-32607-08	WING NUT	1	
-520	277-32611-07	ELEMENT SET	1	DUAL

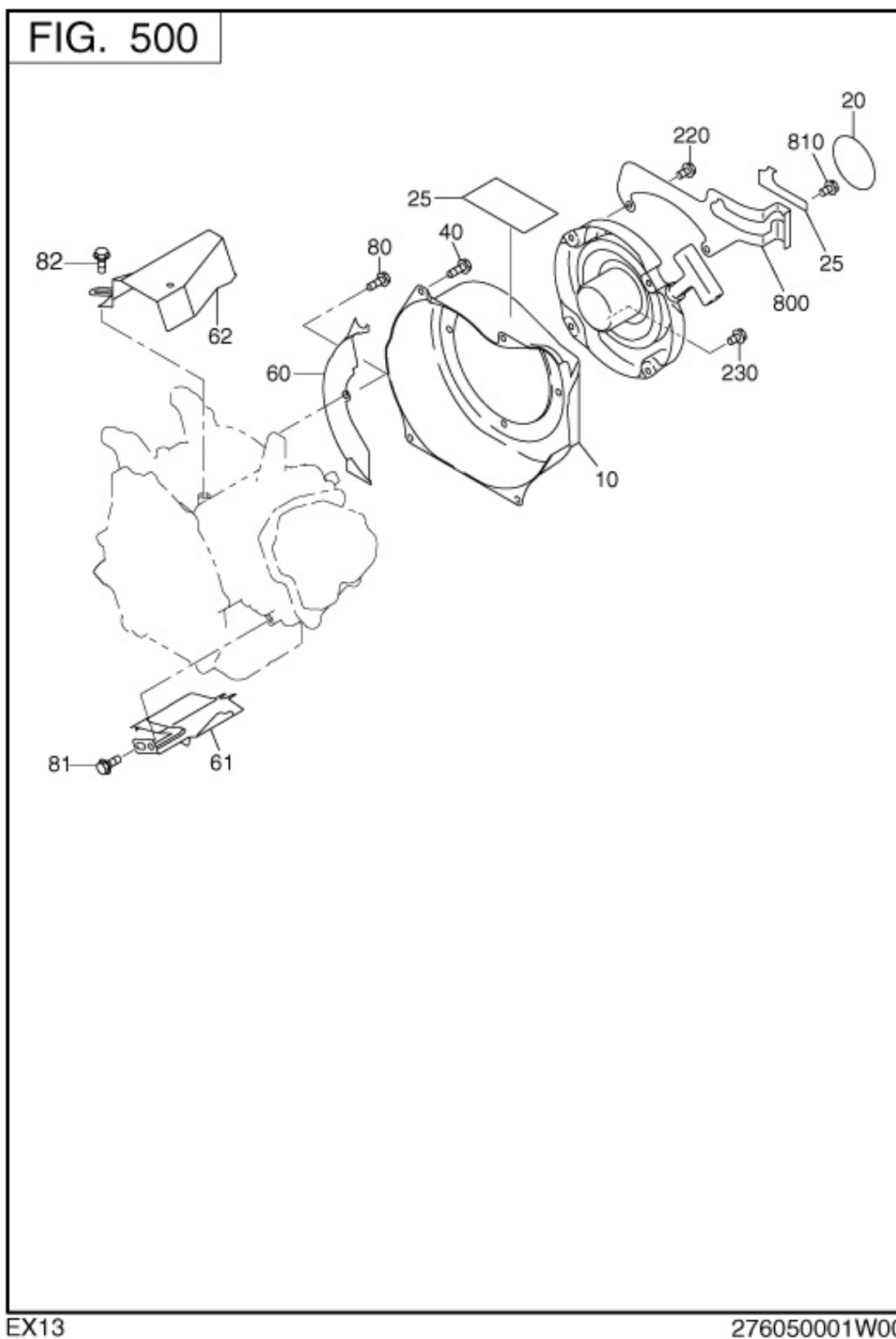
400 Governor



400 Governor

Ref	Part Number.	Description	Qty	Remark
13	277-42301-40	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	
60	001-14062-50	BOLT AND WASHER ASSY	1	M6X1.0X25
70	018-60600-20	SQUARE NUT	1	M6X1.0X4.9
80	277-42510-23	GOVERNOR SPRING	1	
310	277-43303-01	SPEED CONTROL LEVER CP	1	
322	277-43701-01	LINK ROD CP	1	
340	277-43502-03	STOP PLATE	1	
350	277-44501-03	WASHER	1	
355	021-70600-70	FRICTION WASHER	1	NYLON
360	004-31063-50	SCREW	1	
365	237-45004-23	ADJUST SPRING	1	
395	277-43902-03	CLAMP	1	
396	013-10500-30	SCREW AND WASHER ASSY	1	M5X0.8X20
435	277-46015-01	SPEED CONT.BRKT CP	1	
440	004-31040-80	SCREW(M4X8)	1	
450	002-35060-00	LOCKNUT	1	M6X1.0
480	277-45103-03	RETURN SPRING	1	
485	011-00600-20	FLANGE BOLT	2	M6X1.0X12

500 Cooling & Starting

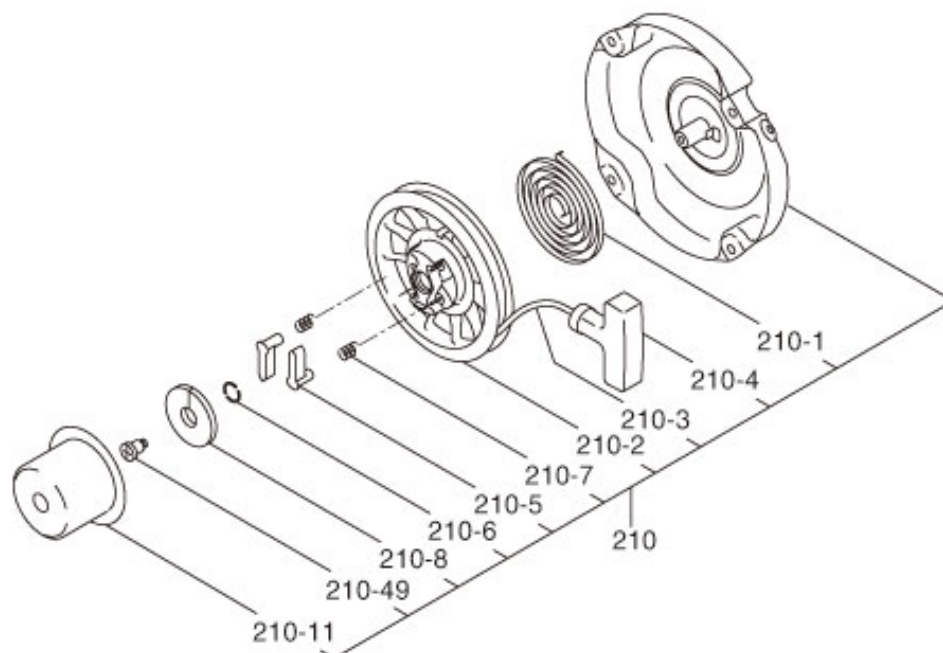


500 Cooling & Starting

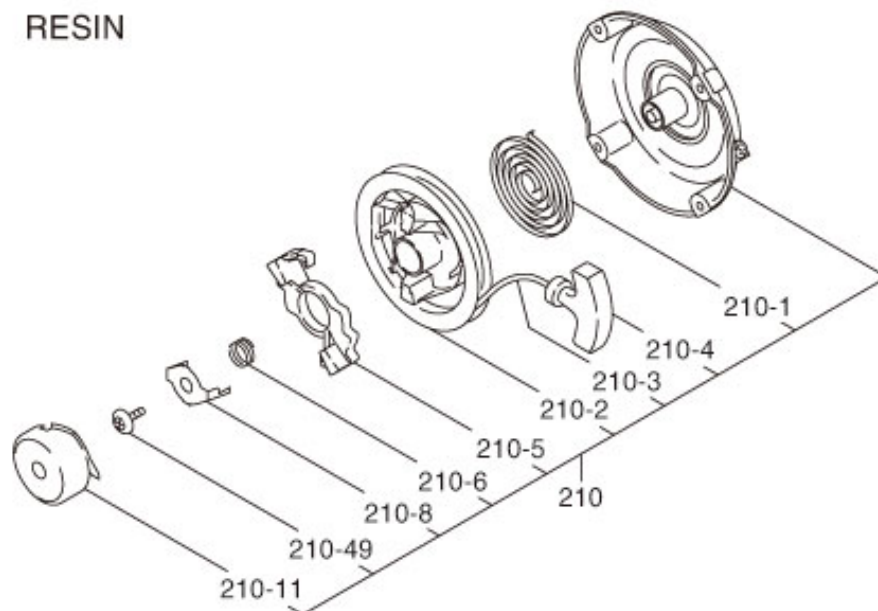
Ref	Part Number.	Description	Qty	Remark
10	276-51202-01	BLOWER HOUSING CP	1	
20	073-20058-20	LABEL (TRADE MARK)	1	
25	073-20058-60	LABEL (WARNING)	1	
40	011-00600-30	FLANGE BOLT (M6X14)	4	
60	20A-52711-01	CASE BAFFLE 1 CP	1	
61	277-52702-03	HEAD BAFFLE 2	1	
80	001-04061-40	FLANGE BOLT (M6X14)	1	
81	011-00600-20	FLANGE BOLT	1	M6X1.0X12
220	013-00602-81	BOLT & WASHER ASSY (M6X14)	4	

520 Cooling & Starting

FIG. 520



RESIN



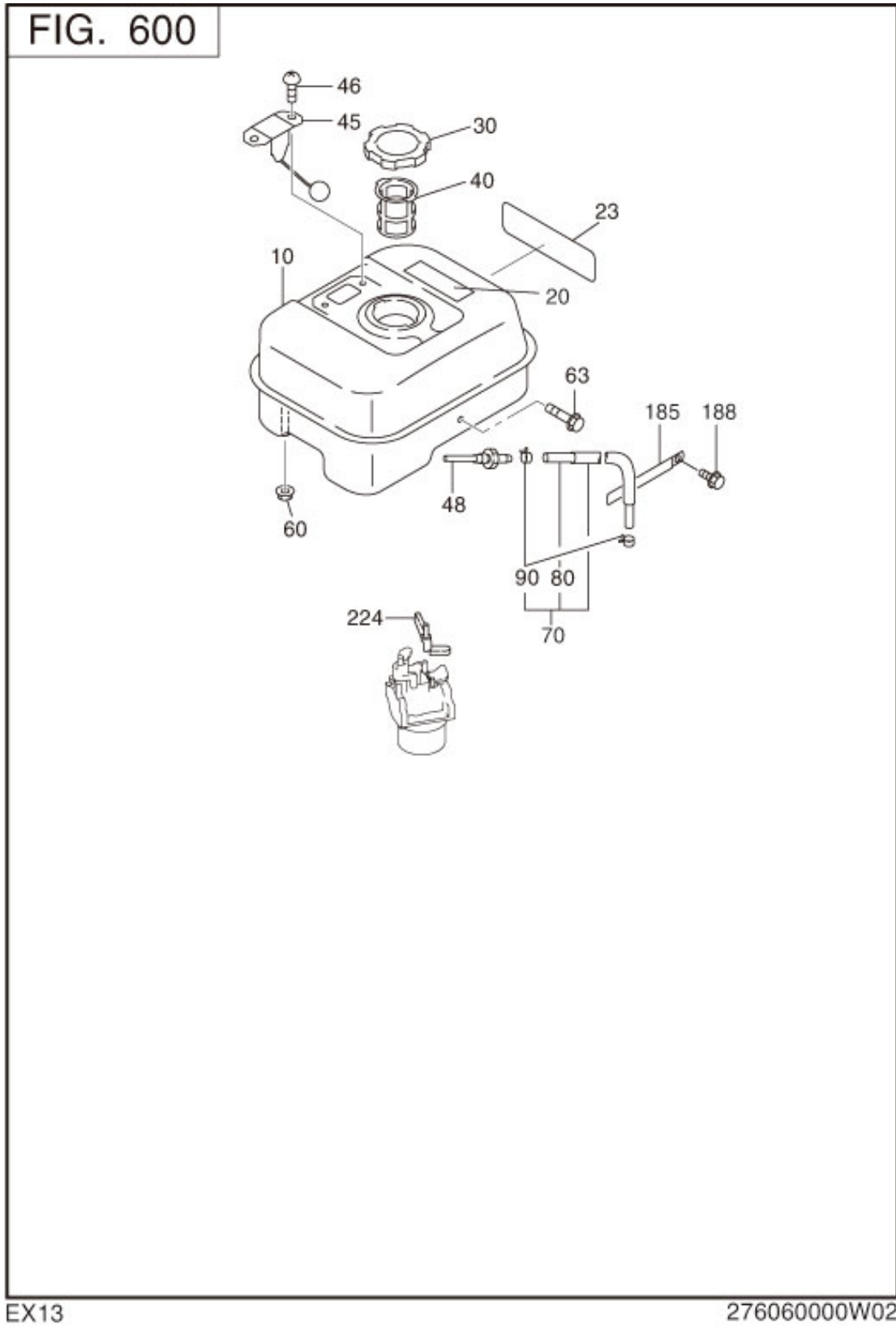
EX13

276052000W01

520 Cooling & Starting

Ref	Part Number.	Description	Qty	Remark
210	276-50301-30	RECOIL STARTER AY	1	
1	226-50716-08	SPIRAL SPRING	1	
2	277-50121-08	REEL	1	
3	277-50110-08	STARTER ROPE	1	
4	281-50300-18	STARTER KNOB	1	
5	281-50325-08	RATCHET	1	
6	281-50330-08	FRICTION SPRING	1	
8	281-50340-08	FRICTION PLATE	1	
11	276-50145-08	STARTER PULLEY	1	
49	281-50351-08	CENTER SCREW	1	

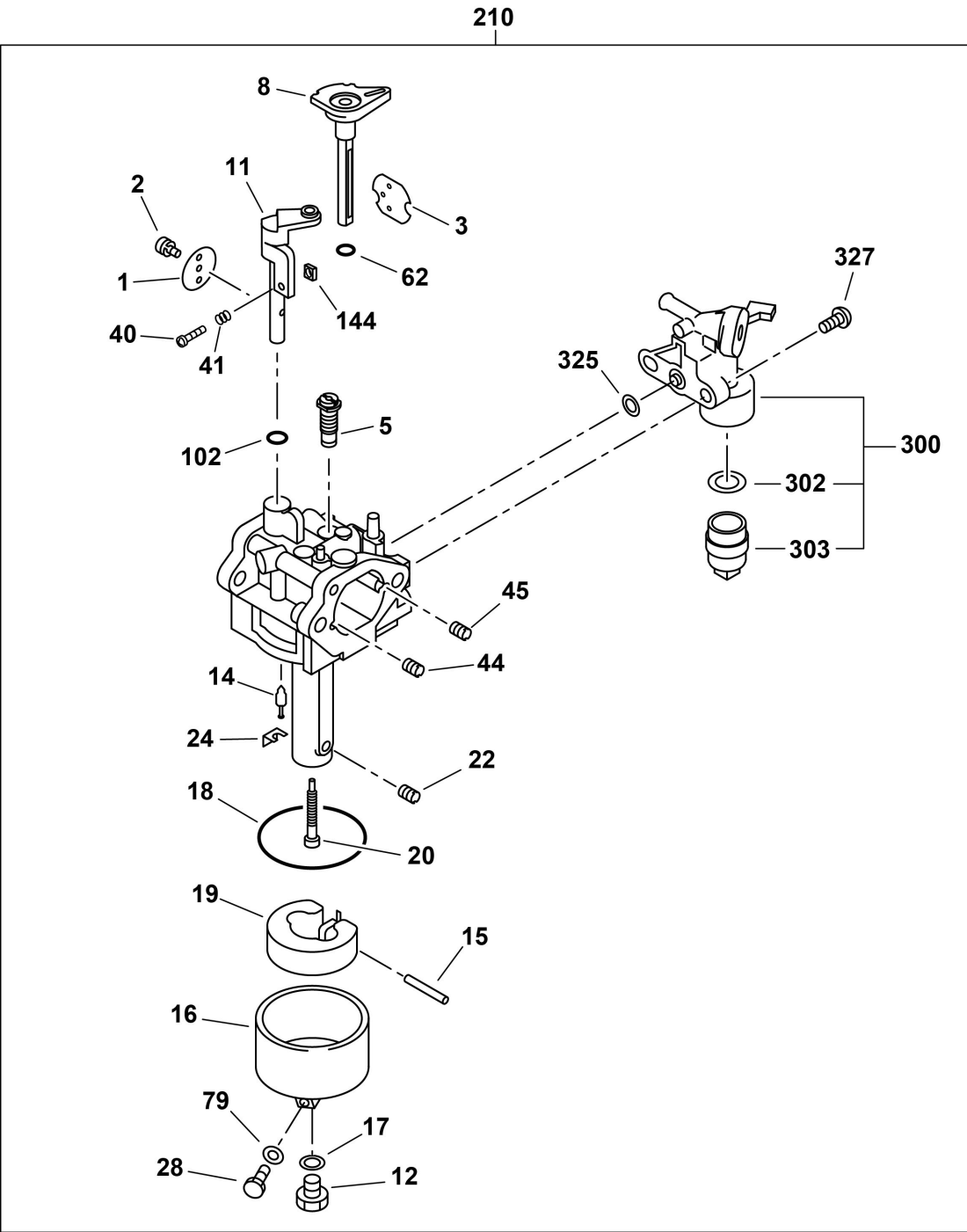
600 Fuel & Lubricant



600 Fuel & Lubricant

Ref	Part Number.	Description	Qty	Remark
10	276-61132-01	FUEL TANK CP	1	
23	276-95112-03	LABEL(MODEL)	1	
30	X43-04401-43	FUEL TANK CAP CP	1	BLACK
40	X64-13600-10	FUEL FILTER	1	
48	050-51200-20	UNION	1	
60	002-38060-00	FLANGE NUT	2	M6X1.0
63	011-00601-30	FLANGE BOLT (M6X25)	1	
70	276-62603-11	FUEL PIPE CP	1	
80	X85-10615-61	RUBBER PIPE	1	
90	X56-11100-60	HOSE CLAMP	2	
224	277-43801-01	CHOKE LEVER CP	1	

640 Carburetor



0640 0025 000

640 Carburetor

Ref	Part Number.	Description	Qty	Remark
210	276-62393-20	CARBURETOR ASSY	1	
1	106-62538-08	THROTTLE VALVE	1	#200
2	209-62351-08	SCREW	1	
3	277-62525-08	CHOKE VALVE	1	
5	247-62420-08	PILOT JET	1	#42.5
8	277-62520-08	CHOKE LEVER	1	
11	276-62531-18	THROTTLE SHAFT	1	
12	227-62451-08	BOLT	1	
14	157-62305-08	NEEDLE	1	
15	277-62515-08	PIN	1	
16	277-62506-08	FLOAT BODY ASSY	1	
17	214-62450-08	GASKET	1	
18	214-62540-08	O-RING	1	
19	226-62506-08	FLOAT	1	
20	276-62441-08	MAIN NOZZLE	1	
22	277-62404-18	MAIN JET	1	#70
24	226-62701-18	CLIP	1	
28	236-62541-08	SCREW	1	
40	106-62556-08	SCREW	1	
41	283-62357-08	SPRING	1	
44	248-62410-08	AIR JET	1	
45	106-62410-08	AIR PILOT JET	1	
62	236-62680-08	O-RING	1	
79	236-62541-08	O-RING	1	
102	246-62390-08	SEAL	1	
144	277-62553-08	NUT	1	
300	279-62103-20	FUEL STRAINER ASSY ¹	1	
300	279-62103-30	FUEL STRAINER ASSY ²	1	
302	277-62110-18	GASKET	1	
303	277-62100-18	CUP	1	
325	277-62552-08	O-RING	1	
327	165-62377-08	SCREW	2	

Footnotes

1: End Code:

2: Start Code:

FIG. 700

This technical drawing is an exploded view of a vehicle headlight assembly. The central component is the headlight housing, shown with dashed lines to indicate its internal structure. Surrounding it are various components, each labeled with a number: 10 is a circular lens or reflector; 23 is a bracket or mounting plate; 30 is a small connector or pin; 35 is a mounting bracket; 50 is a wiring harness or cable; 60 and 70 are small electrical components; 65 is a multi-pin connector; 71 is a small square component; 100 is a cylindrical component; 110 is a mounting bracket; 112 is a circular component. The diagram illustrates the assembly sequence and relative positions of these parts.

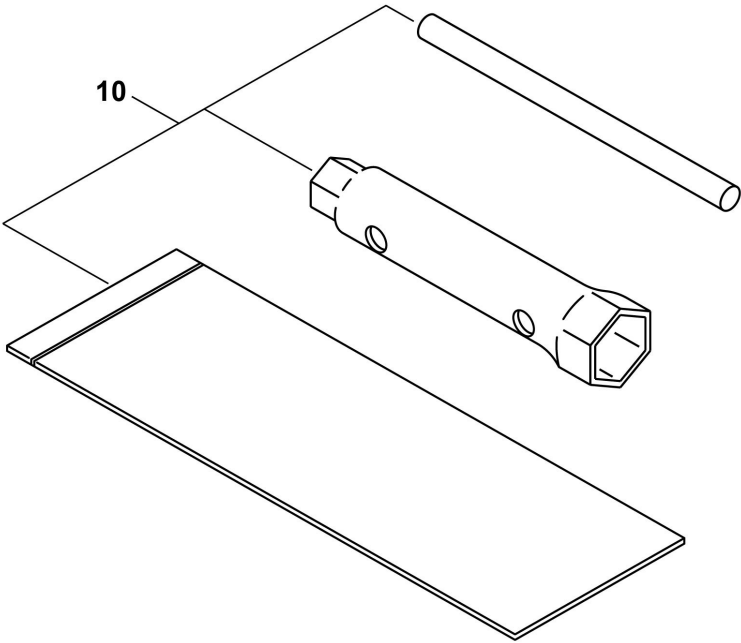
EX13

276070000W01

700 Electric Device

Ref	Part Number.	Description	Qty	Remark
10	276-79241-01	FLYWHEEL CP	1	
11	277-79431-11	IGNITION COIL CP	1	
12	277-79301-01	LAMP COIL CP	1	
23	277-79501-03	SPACER	1	
30	001-04062-00	FLANGE BOLT	2	M6X1.0X20
35	001-13063-50	BOLT AND WASHER AY	2	
50	277-73101-H1	WIRE 1 CP	1	
100	X65-01430-50	SPARK PLUG (TORCH E6RC)	1	
110	X65-50002-70	SPARK PLUG CAP	1	

900 Accessories



2900 0005 000

900 Accessories

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

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024-00600-30	9	277-32611-07	13	281-50340-08	19
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060-02800-21	5	277-32902-J1	10	X64-13600-10	21
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