

PARTS MANUAL

MODEL EX170DT1041

Parts

**Manual for
Billy Goat**

EX170DT1041

11/12

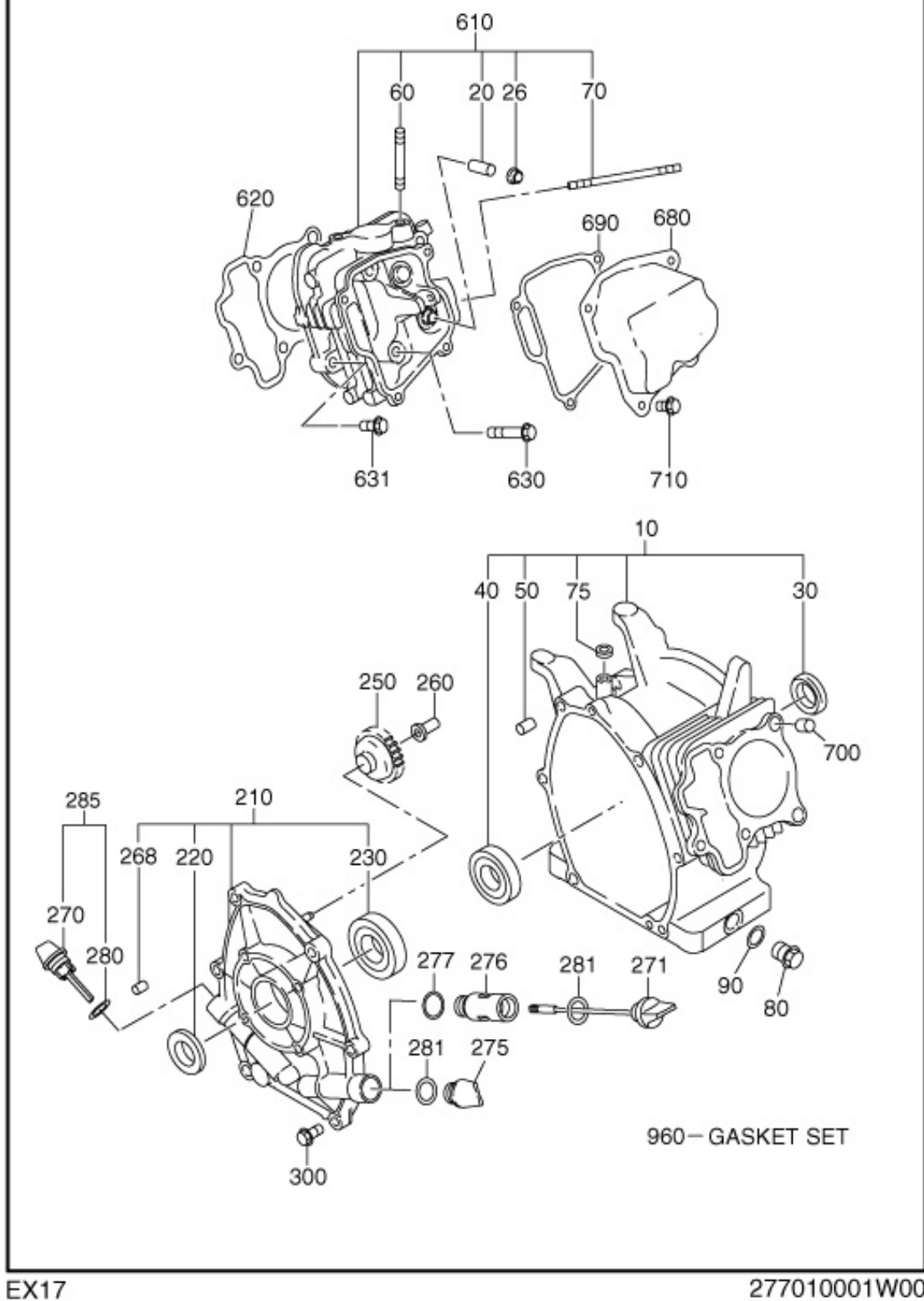


SUBARU

Industrial Power Products

100 Crankcase

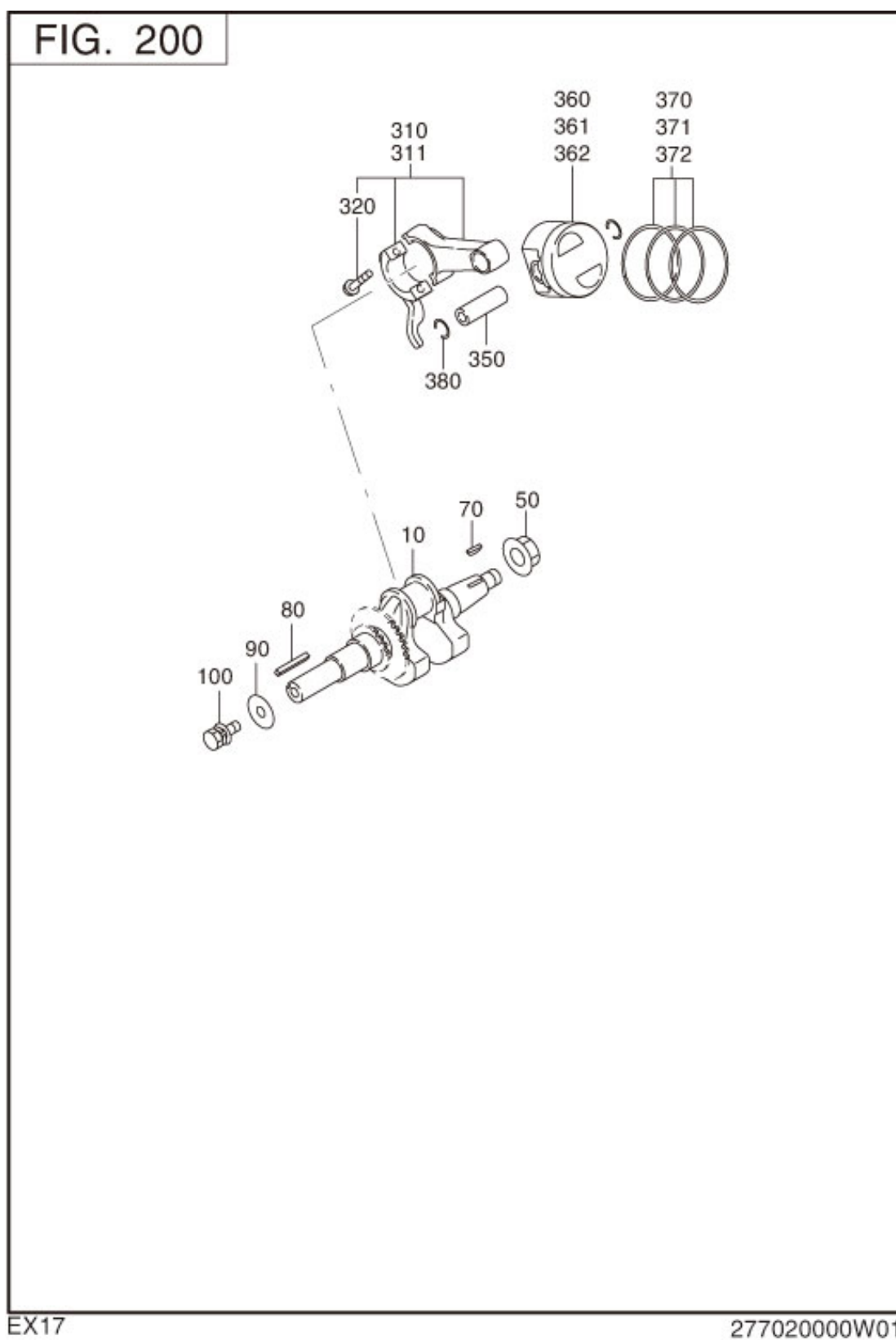
FIG. 100



100 Crankcase

Ref	Part Number.	Description	Qty	Remark
10	277-10101-41	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	2	
70	010-50603-51	STUD	2	
75	044-00600-20	OIL SEAL	1	
80	040-11400-30	PLUG	1	
90	021-11400-20	GASKET	1	
210	277-11002-21	MAIN BEARING COVER CP	1	
220	044-02502-10	OIL SEAL	1	
230	X60-02501-40	BALL BEARING	1	
250	277-45004-J1	GOVERNOR GEAR CP	1	
260	277-41901-03	GOVERNOR SLEEVE	1	
270	277-63601-03	OIL GAUGE AY	2	
280	277-63601-08	GASKET	2	
300	001-04083-50	FLANGE BOLT	6	
610	277-13001-11	CYLINDER HEAD CP	1	
620	277-15001-23	GASKET, HEAD	1	
630	011-00802-40	FLANGE BOLT	4	
631	011-00803-10	FLANGE BOLT	1	
680	277-15503-01	ROCKER COVER CP	1	
690	277-16001-13	GASKET, ROCKER COVER	1	
710	011-00600-20	FLANGE BOLT	4	
960	277-99001-47	GASKET SET	1	

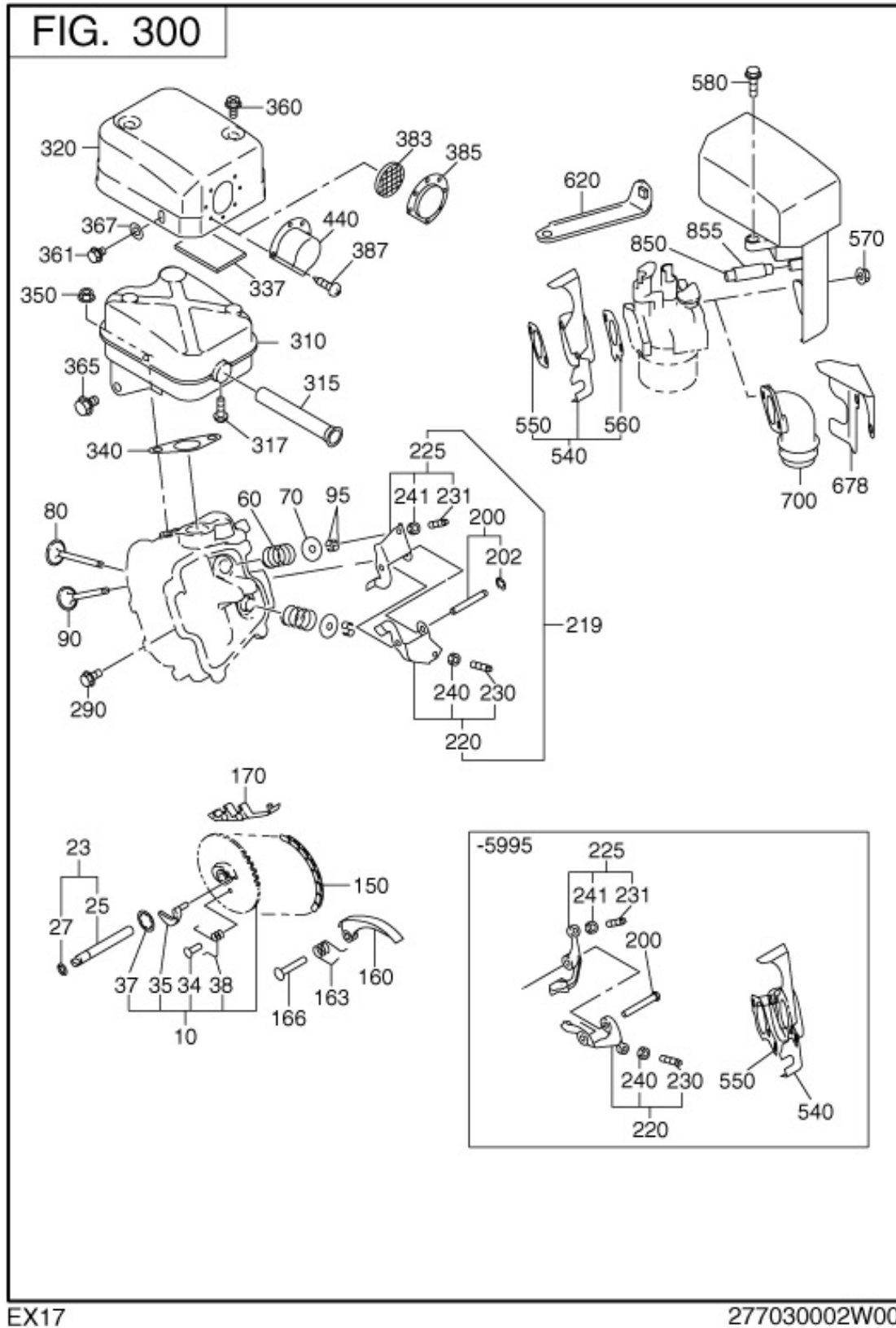
200 Crankshaft



200 Crankshaft

Ref	Part Number.	Description	Qty	Remark
10	277-20901-51	CRANKSHAFT CP	1	
50	018-01400-20	FLANGE NUT	1	
70	032-30300-10	WOODRUFF KEY	1	
310	277-22501-10	CONNECTING ROD AY	1	
311	277-22502-00	CONNECTING ROD AY	1	
320	277-23001-03	CONNECTING ROD BOLT	2	
350	277-23301-13	PISTON PIN	1	
360	277-23401-J3	PISTON	1	
361	277-23403-J3	PISTON	1	
362	277-23404-J3	PISTON	1	
370	277-23501-17	PISTON RING SET	1	
371	277-23502-17	PISTON RING SET	1	
372	277-23503-17	PISTON RING SET	1	
380	056-51600-10	CLIP	2	

300 Intake & Exhaust



300 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
10	277-31601-31	CAMSHAFT CP	1	
25	277-35101-01	PIN CP, CAMSHAFT	1	
27	024-00600-10	O RING	1	
34	277-38601-03	PIN, SPRING	1	
35	277-36401-03	RELEASE LEVER	1	
37	277-36501-03	CLIP	1	
38	277-38702-03	RETURN SPRING	1	
60	279-33601-03	VALVE SPRING	2	
70	269-33701-03	SPRING RETAINER	2	
80	277-33401-H3	INTAKE VALVE	1	
90	277-33501-H3	EXHAUST VALVE	1	
95	132-10KA0-31	COLLET VALVE	4	
150	277-35601-11	TIMING CHAIN CP	1	
160	277-36911-03	TENTIONER	1	
163	277-37101-03	SPRING,TENTIONER	1	
166	277-36902-03	PIN, TENTIONER	1	
170	277-36913-13	CHAIN GUIDE	1	
202	003-13050-00	CLIP	1	
290	011-00600-20	FLANGE BOLT	1	
219	277-36001-07	ROCKER ARM AY, SET	1	
230	014-90500-20	ADJUST SCREW	1	
231	014-90500-20	ADJUST SCREW	1	
240	017-00500-30	NUT	1	
241	017-00500-30	NUT	1	
200	277-35002-01	PIN CP, ROCKER	1	
310	277-30101-J1	MUFFLER CP	1	
320	277-34204-21	MUFFLER COVER CP	1	
340	277-35201-13	GASKET, MUFFLER	1	
350	980-20082-80	FLANGE NUT	2	
360	015-20600-90	TAPPING BOLT	2	
361	011-00600-10	FLANGE BOLT	1	
365	011-00803-20	FLANGE BOLT	1	
387	015-00400-60	TAPPING SCREW	2	
440	277-37001-H1	DEFLECTOR CP	1	
540	277-32902-J1	INSULATOR CP	1	
550	277-35903-J3	GASKET 2, INSULATOR	1	
560	277-35902-J3	GASKET 1, INSULATOR	1	
570	002-38060-00	FLANGE NUT	2	
580	011-00600-50	FLANGE BOLT	1	

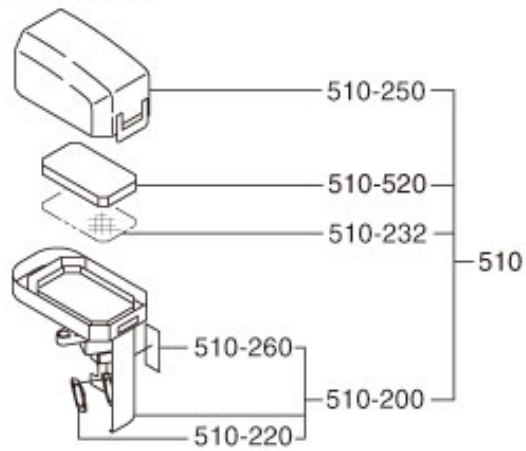
300 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
850	277-32760-08	BREATHER PIPE	1	

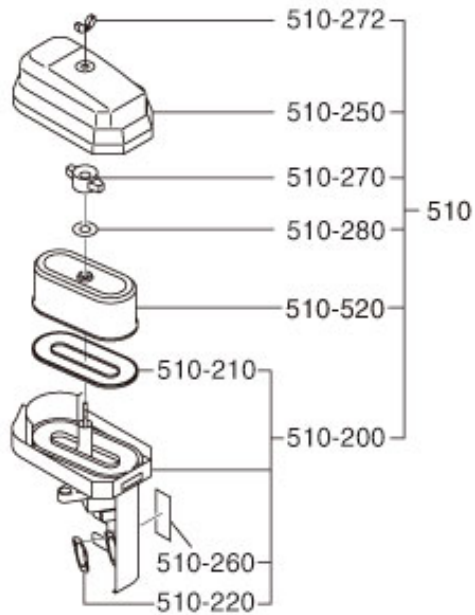
315 Intake & Exhaust

FIG. 315

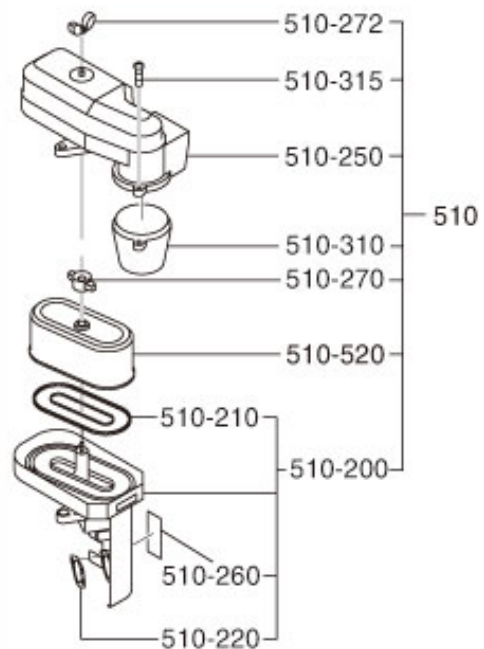
URETHANE FOAM



DUAL ELEMENT



PRE CLEANER



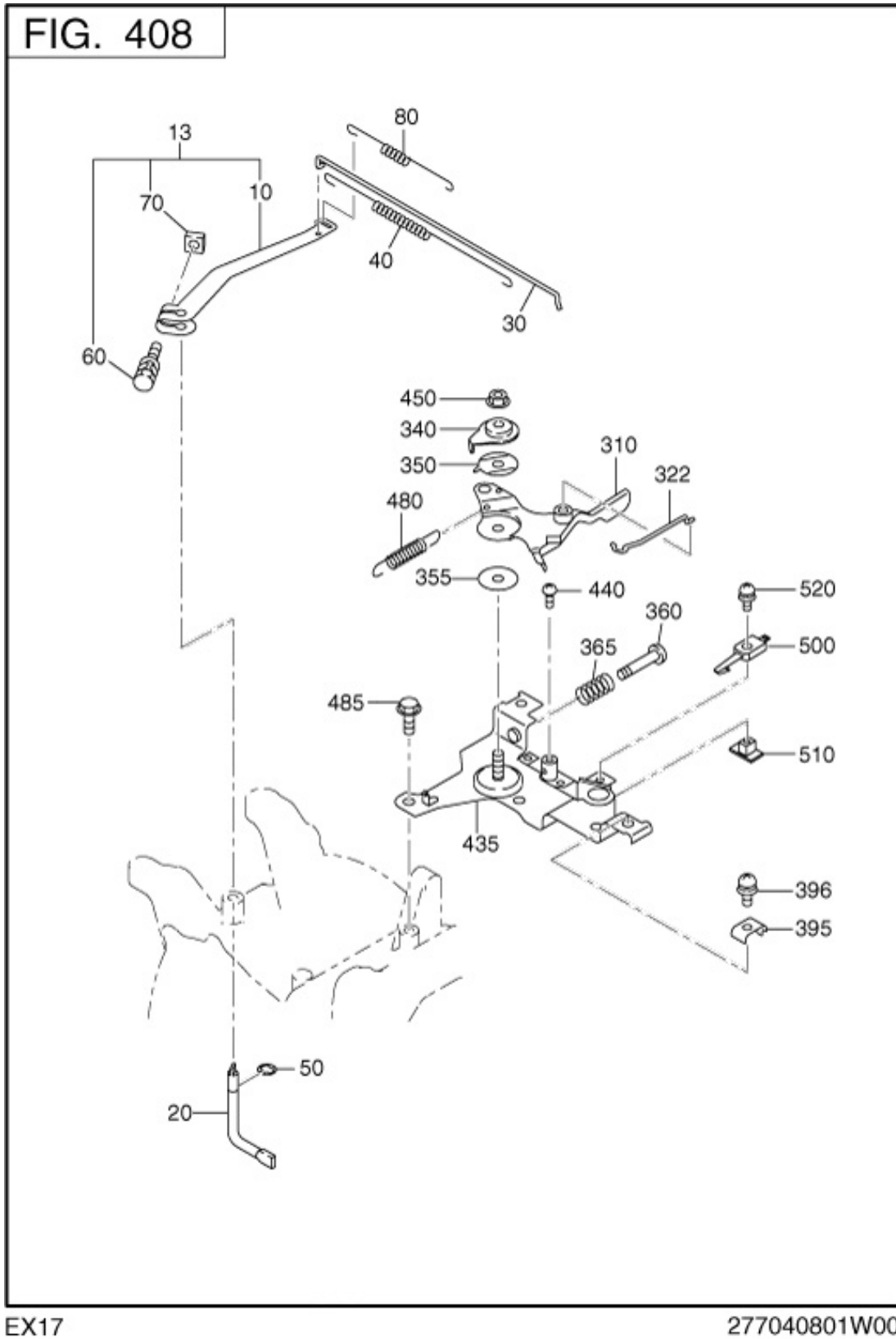
EX17

277031500W02

315 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
510	277-32625-00	AIR CLEANER AY	1	
-200	277-32639-08	BASE CP	1	
-210	277-32610-08	PACKING	1	
-220	277-32604-08	PACKING	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	

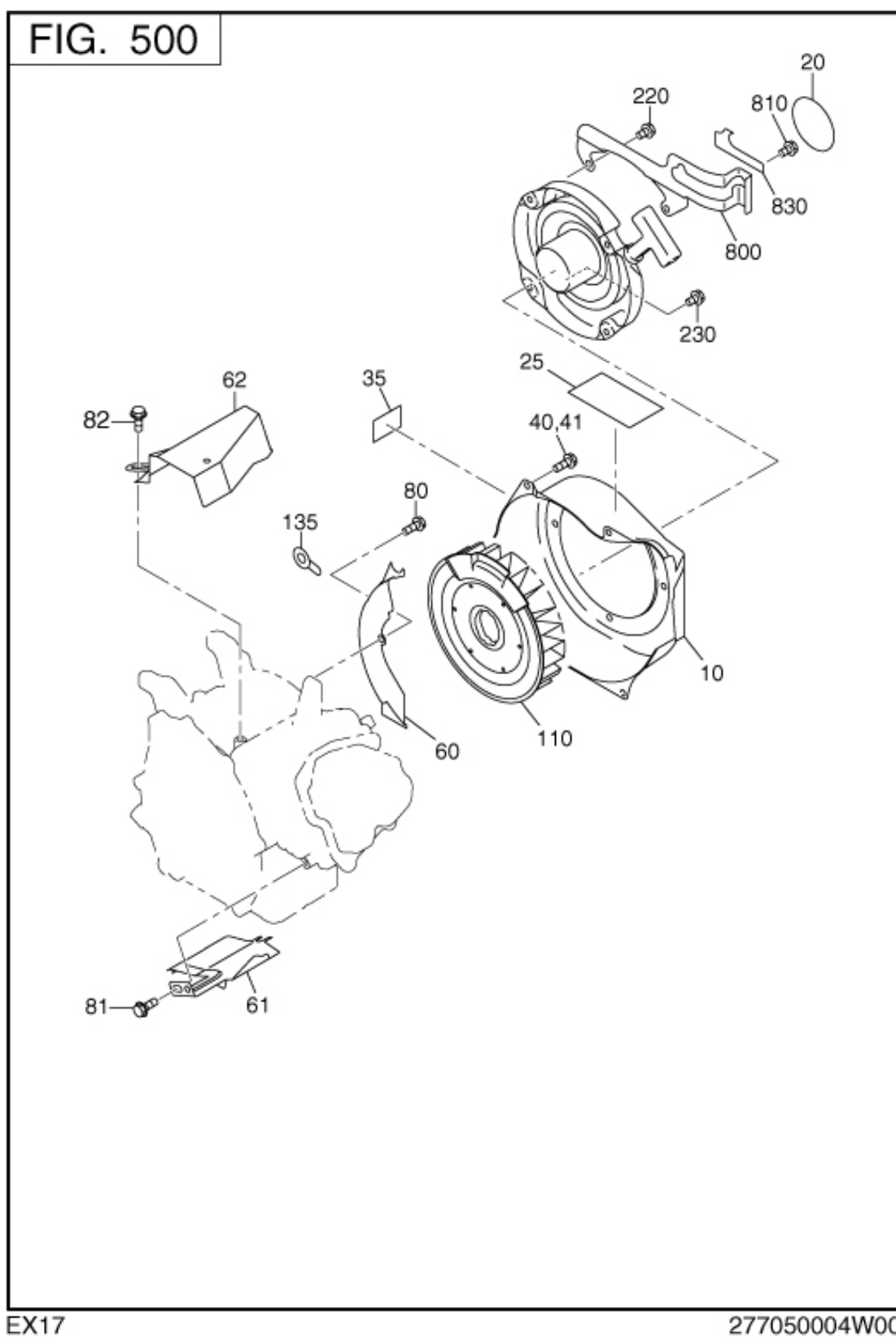
400 Governor



400 Governor

Ref	Part Number.	Description	Qty	Remark
10	277-42301-33	GOVERNOR LEVER	1	
20	277-42201-33	GOVERNOR SHAFT	1	
30	277-42701-11	GOVERNOR ROD CP	1	
40	277-42801-23	ROD SPRING	1	
50	003-13050-00	CLIP	1	
60	013-00602-40	BOLT AND WASHER AY	1	
70	018-60600-20	NUT	1	
80	277-42510-13	GOVERNOR SPRING	1	
310	277-43303-01	SPEED CONTROL LEVER CP	1	
340	277-43502-03	STOP PLATE CP	1	
350	277-44501-03	WASHER	1	
355	021-70600-70	FRICTION WASHER	1	
360	004-31062-50	SCREW, PANHEAD	1	
365	237-45004-23	SPRING, ADJUST	1	
395	277-43902-03	CLAMP	1	
396	013-10500-30	SCREW AND WASHER AY	1	
435	277-46002-01	SPEED CONTROL BRACKET CP	1	
440	004-31040-80	SCREW	1	
450	002-35060-00	SELF LOCK NUT	1	
480	277-45103-03	RETURN SPRING	1	
485	011-00600-20	FLANGE BOLT	2	

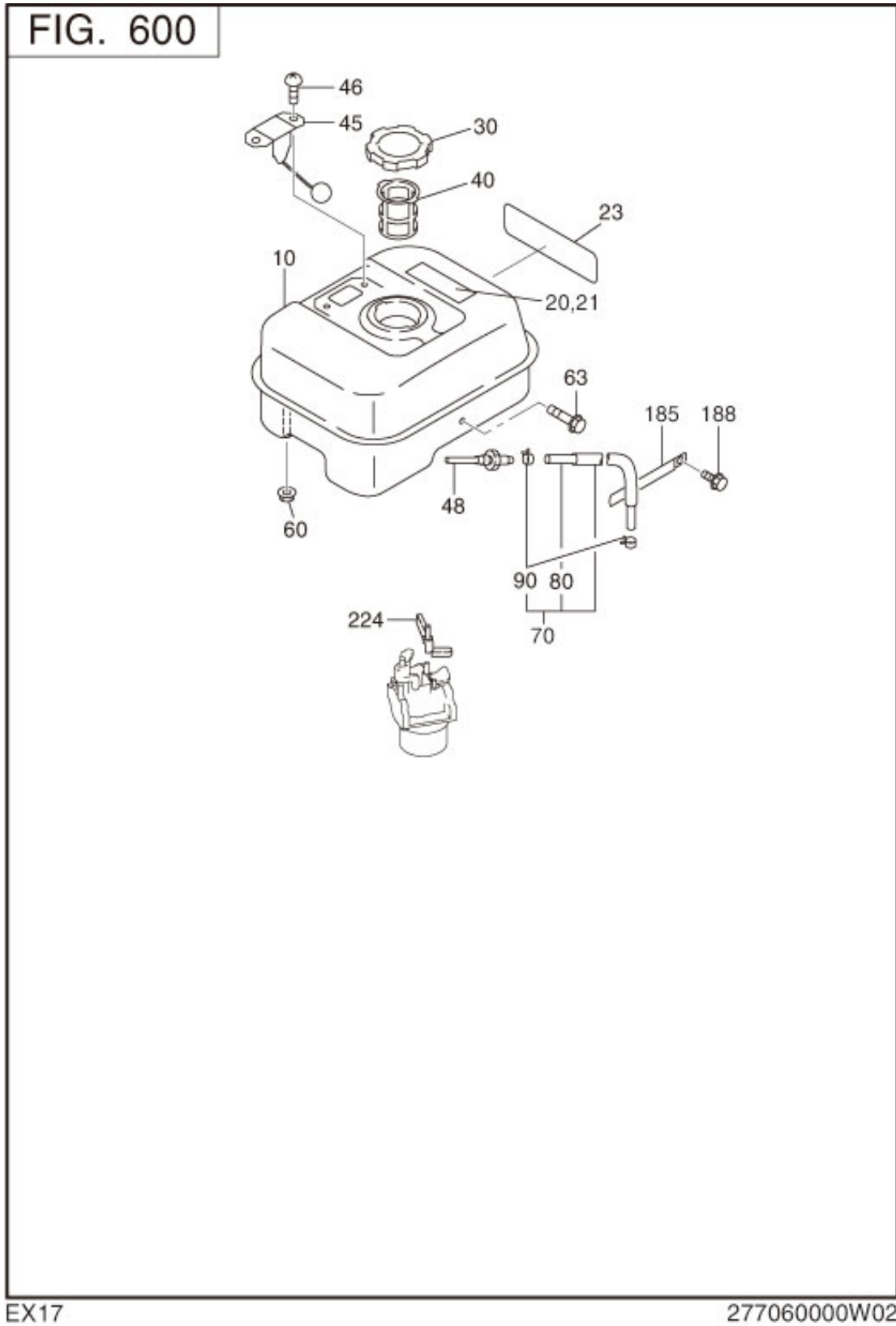
500 Cooling & Starting



500 Cooling & Starting

Ref	Part Number.	Description	Qty	Remark
10	277-51202-01	BLOWER HOUSING CP	1	
20	073-20054-70	LABEL, TRADEMARK	1	
40	011-00600-30	FLANGE BOLT	4	
60	277-52711-21	BAFFLE 1 CP,CASE	1	
61	277-52702-03	BAFFLE 2, HEAD	1	
80	001-04061-60	FLANGE BOLT	1	
81	011-00600-20	FLANGE BOLT	1	
210	20A-50211-00	RECOIL STARTER AY	1	
220	013-00602-81	BOLT AND WASHER AY	4	

600 Fuel & Lubricant

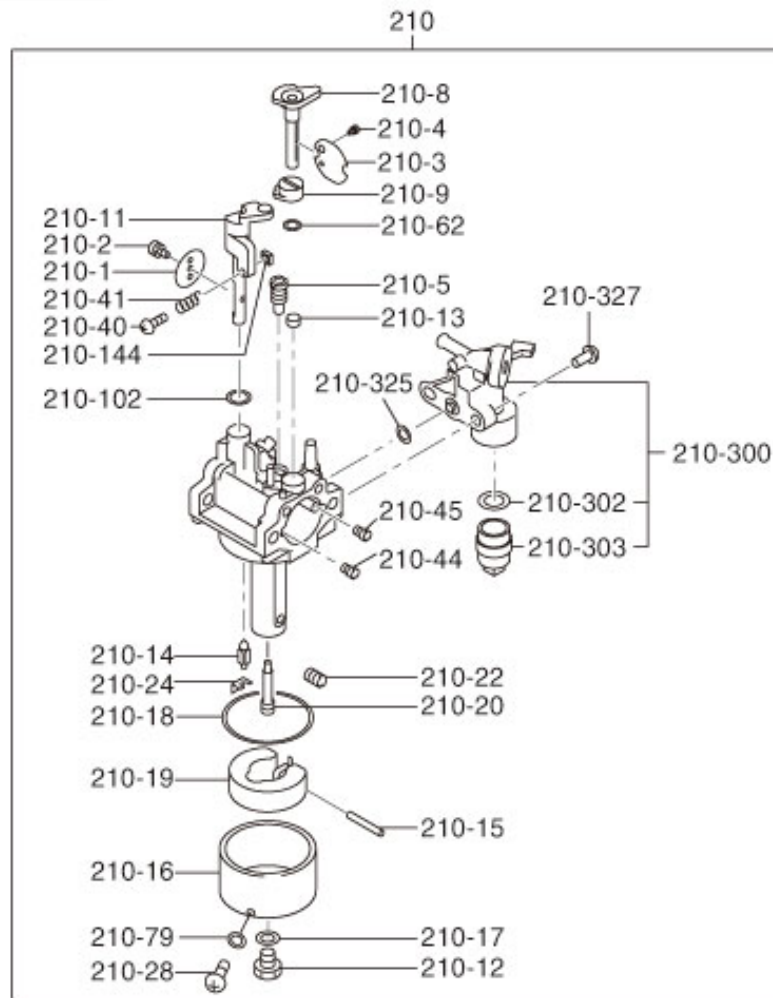


600 Fuel & Lubricant

Ref	Part Number.	Description	Qty	Remark
10	277-60102-11	FUEL TANK CP	1	
20	073-20051-81	LABEL, WARNING	1	
23	20A-09702-00	LABEL, MODEL	1	
30	X43-04401-42	FUEL TANK CAP CP	1	
40	X64-13600-10	FUEL FILTER	1	
48	X50-51200-20	UNION	1	
60	002-38060-00	FLANGE NUT	2	
63	011-00601-30	FLANGE BOLT	1	
70	277-62601-11	FUEL PIPE CP	1	
90	X56-11100-60	HOSE CLAMP	2	
224	277-43801-01	CHOKE LEVER CP	1	

640 Fuel & Lubricant

FIG. 640



EX17

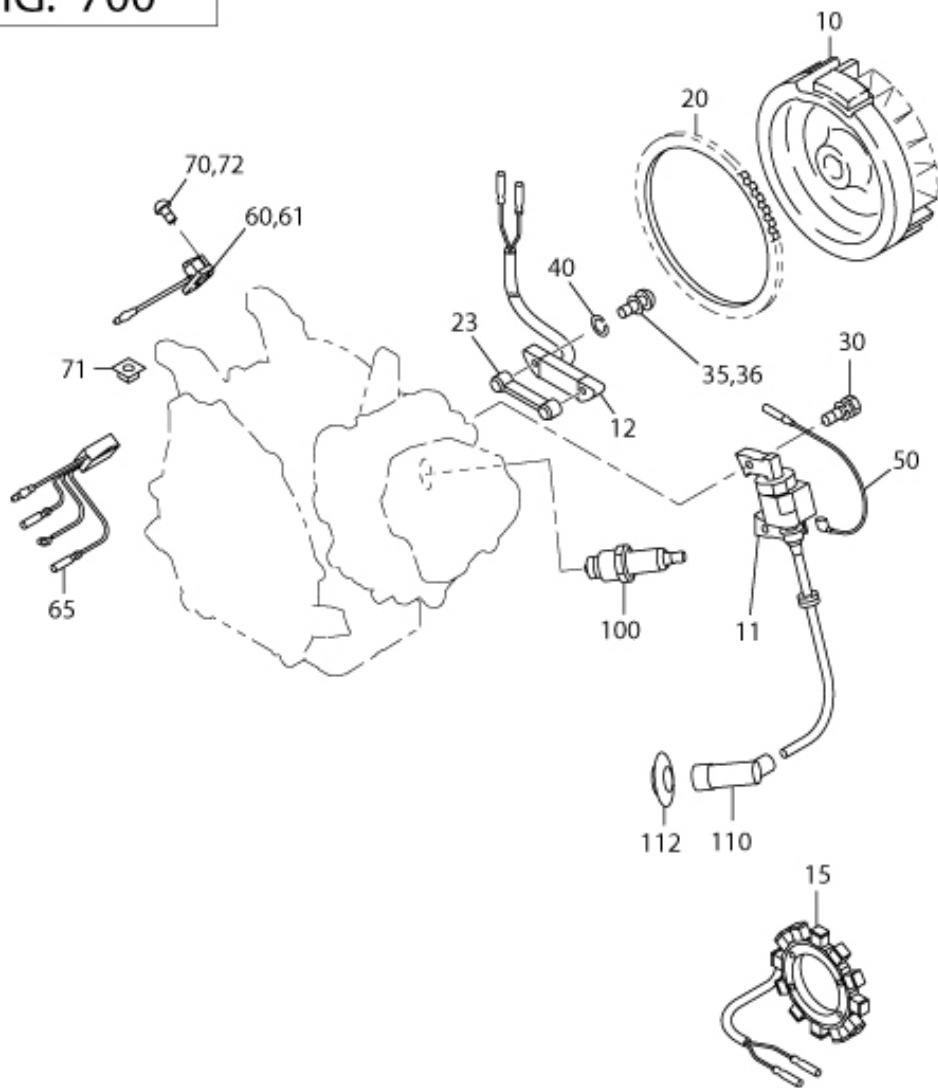
277064000W02

640 Fuel & Lubricant

Ref	Part Number.	Description	Qty	Remark
210	277-62302-30	CARBURETOR AY	1	
-1	277-62535-08	THROTTLE VALVE	1	
-2	209-62351-08	SCREW	1	
-3	277-62525-08	CHOKE VALVE	1	
-5	246-62420-08	PILOT JET	1	
-8	277-62520-08	CHOKE LEVER	1	
-11	277-62530-18	THROTTLE SHAFT A	1	
-12	227-62451-08	BOLT	1	
-14	277-62500-08	NEEDLE A	1	
-15	277-62515-08	PIN	1	
-16	277-62506-08	FLAOT BODY AY	1	
-17	214-62450-08	PACKING	1	
-18	214-62540-08	CHAMBER PACKING	1	
-19	226-62506-08	FLOAT	1	
-20	277-62440-08	MAIN NOZZLE	1	
-22	226-62412-08	MAIN JET	1	
-24	226-92701-18	CLIP	1	
-28	277-62360-08	BOLT	1	
-40	106-62556-08	SCREW	1	
-41	283-62357-08	SPRING	1	
-44	248-62410-08	AIR JET, PILOT	1	
-45	106-62410-08	AIR JET, PILOT	1	
-62	236-62680-08	SEAL	1	
-79	236-62541-08	PACKING	1	
-102	246-62390-08	SEAL	1	
-144	277-62553-08	NUT	1	
-300	279-62103-10	FUEL STRAINER AY	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



EX17

277070000W02

700 Electric Device

Ref	Part Number.	Description	Qty	Remark
10	20A-79231-01	FLYWHEEL CP	1	
11	20A-54101-13	COOLING BLOWER	1	
12	20A-79431-01	IGNITION COIL CP	1	
30	001-14062-50	BOLT AND WASHER AY	2	
50	277-73102-H1	WIRE 2 CP	1	
60	066-00004-70	SWITCH AY	1	
70	015-00400-90	TAPPING SCREW	2	
110	065-50002-70	SPARK PLUG CAP	1	
100	065-01401-50	SPARK PLUG	1	