

PARTS MANUAL

Model EH17

Note: This manual covers the original EH17 specifications. In 1998 the second series of the EH17 (EH17-2) was introduced. There are significant differences between these versions of the EH17. The trademark label located above the recoil designates both versions as EH17.

The full specification number located on the product label will identify the version:

Specifications: EH17**0**YDXXXX = original version = use this manual

Specifications: EH17**2**YDXXXX = second series = use manual PUB-EP5712

1193P220
Rev. 11/99

**ROBIN AMERICA, INC.
ROBIN TO WISCONSIN ROBIN
ENGINE MODEL CROSS REFERENCE LIST**

ROBIN	WISCONSIN ROBIN
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SIDE VALVE

EY08 EY15 EY15V EY20 EY20V EY23 EY28 EY35 EY40 EY45V EY21 EY44 EY18-3 EY25 EY27	W1-080 W1-145 W1-145V W1-185 W1-185V W1-230 W1-280 W1-340 W1-390 W1-450V EY21W EY44W EY18-3W EY25W EY27W
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OVERHEAD VALVE

EH11 EH12 EH15 EH17 EH21 EH25 EH30 EH30V EH34 EH34V EH43V	WO1-115 WO1-120 WO1-150 WO1-170 WO1-210 WO1-250 WO1-300 WO1-300V WO1-340 WO1-340V WO1-430V
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TWO CYCLE

EC13V	WT1-125V
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DIESEL

DY23 DY27 DY30 DY35 DY41	WRD1-230 WRD1-270 WRD1-300 WRD1-350 WRD1-410
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HOW TO USE THIS PARTS CATALOG

All Robin Industrial Engines have a Production number to identify their specification. The Production number is a 15 digit, alphanumeric number. The first 11 digits are classified as the specification number of the engine. The last 4 digits are the manufacturing code. An example is shown below:

PRODUCTION NO.

EH180V00000	XXXX
(SPECIFICATION #)	(CODE)

All 15 digit production numbers will be located on a label similar to the sample shown below. The label is located on the engine blower housing. The engine model number and serial number are also stamped into the engine block near the oil drain plug on the side opposite of the carburetor.



FIG. 1 CRANKCASE GROUP

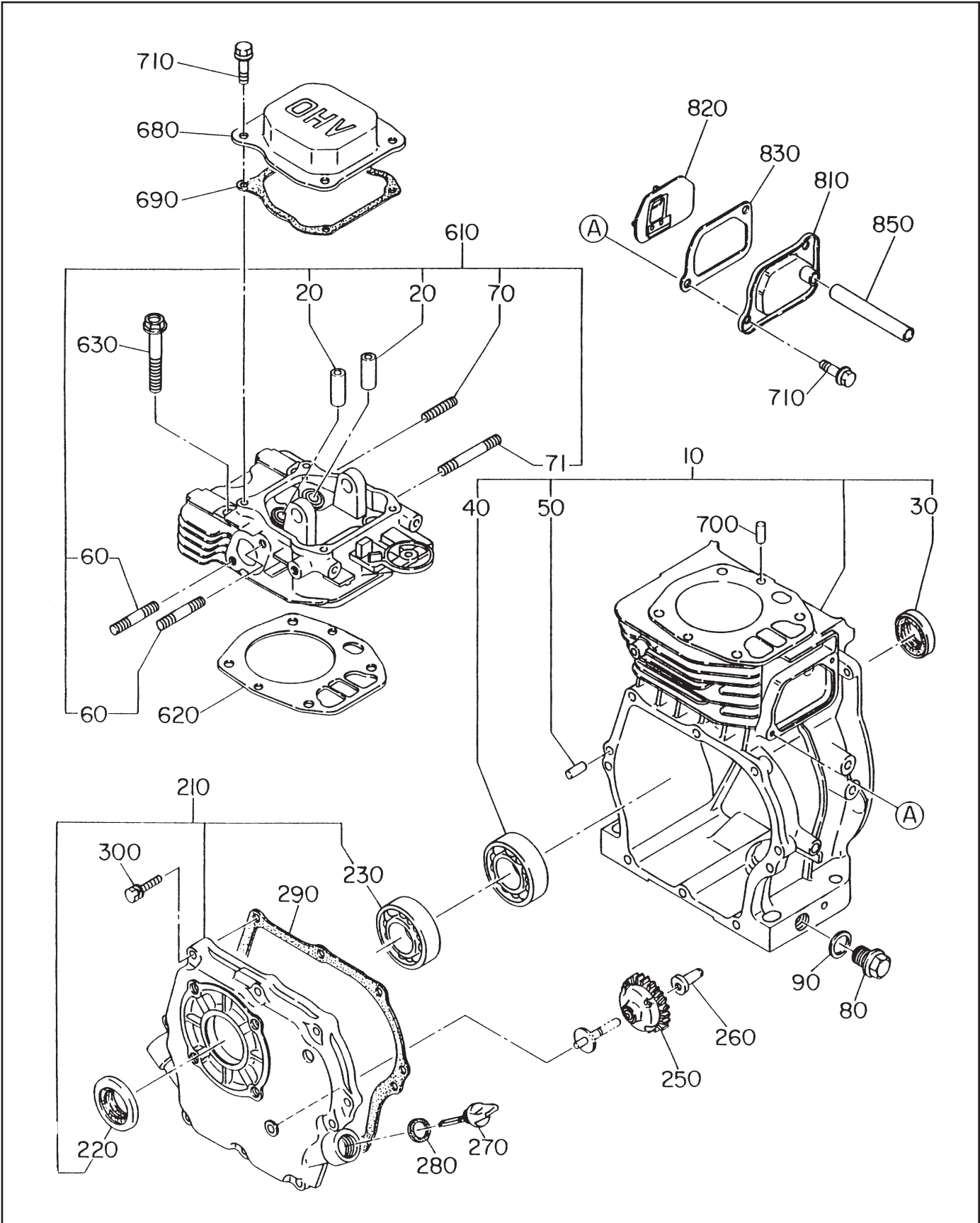


FIG. 1 CRANKCASE GROUP

REF	PART NUMBER	DESCRIPTION	QTY	REMARKS
10	253-10201-01	Crankcase	1	From S/N 1089739
	253-10101-11	Crankcase	1	To S/N 1089738
20	237-14202-03	Valve Guide	2	
30	044-02500-10	Oil Seal	1	25x38x7
40	060-02500-10	Ball Bearing	1	
50	031-00600-20	Dowel Pin	2	
60	001-32084-51	Stud	2	
70	010-50601-31	Stud	1	
71	001-39066-00	Stud	1	
80	040-11400-30	Plug	1	
90	021-11400-20 **	Gasket	2	
210	253-11014-01	Main Bearing Cover SAE	1	From S/N 1089739
	253-11004-01	Main Bearing Cover SAE	1	To S/N 1089738
220	044-02501-60	Oil Seal	1	25x41.24x7
230	060-02500-10	Ball Bearing	1	
250	227-45003-01	Governor Gear	1	
260	205-41901-03	Governor Sleeve	1	
270	227-63601-03	Oil Gauge	1	
280	021-31600-10 **	Gasket	1	
290	253-16002-03 **	Gasket (Bearing Cover)	1	From S/N 1089739
	253-16001-03 **	Gasket (Bearing Cover)	1	To S/N 1089738
300	013-00600-40	Bolt & Washer	8	
610	253-13011-01	Cylinder Head	1	From S/N 1089739
	253-13001-01	Cylinder Head	1	To S/N 1089738
620	253-15001-23 **	(Gasket Cyl Head)	1	
630	011-00801-00	Flange Bolt	4	
680	253-15501-03	Rocker Cover	1	
690	253-16005-03 **	Gasket (Rocker Cover)	1	
700	031-00600-20	Dowel Pin	2	
710	011-00600-20	Flange Bolt	6	
810	253-14301-01	Breather Cover	1	
820	253-14401-01	Breather Plate	1	
830	253-16006-23 **	Gasket (Breather Cover)	1	
850	085-10800-00	Rubber Pipe	1	8x11x80mm
	253-99001-07 **	Gasket Set		Includes Ref. # 90, 280, 290, 620,
				690, 830 and also includes
				gaskets from the Intake &
				Exhaust Group: Ref. # 340, 550,
				555, 560

FIG. 2 CRANKSHAFT and PISTON GROUP

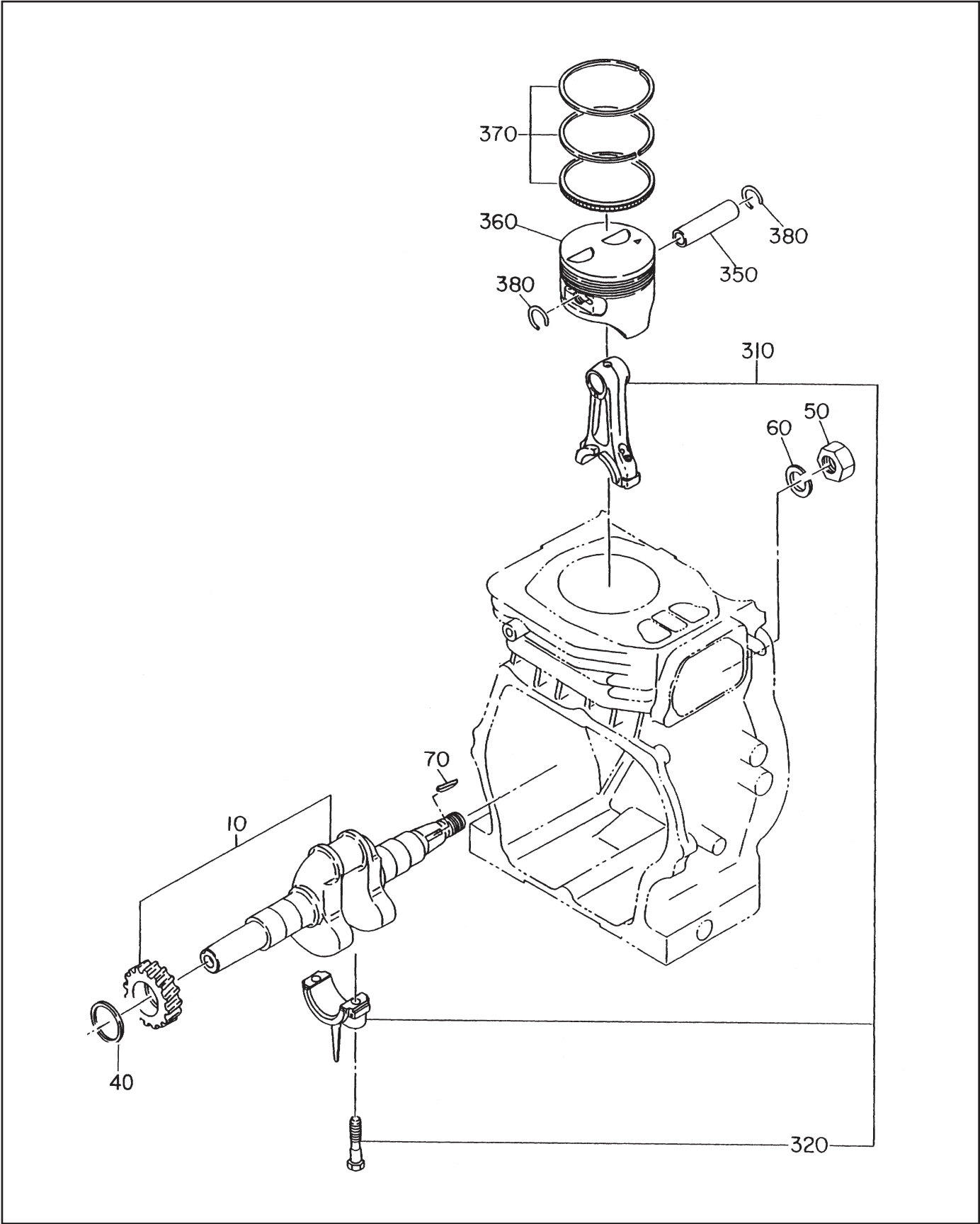


FIG. 2 CRANKSHAFT and PISTON GROUP

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FIG. 3 INTAKE and EXHAUST GROUP

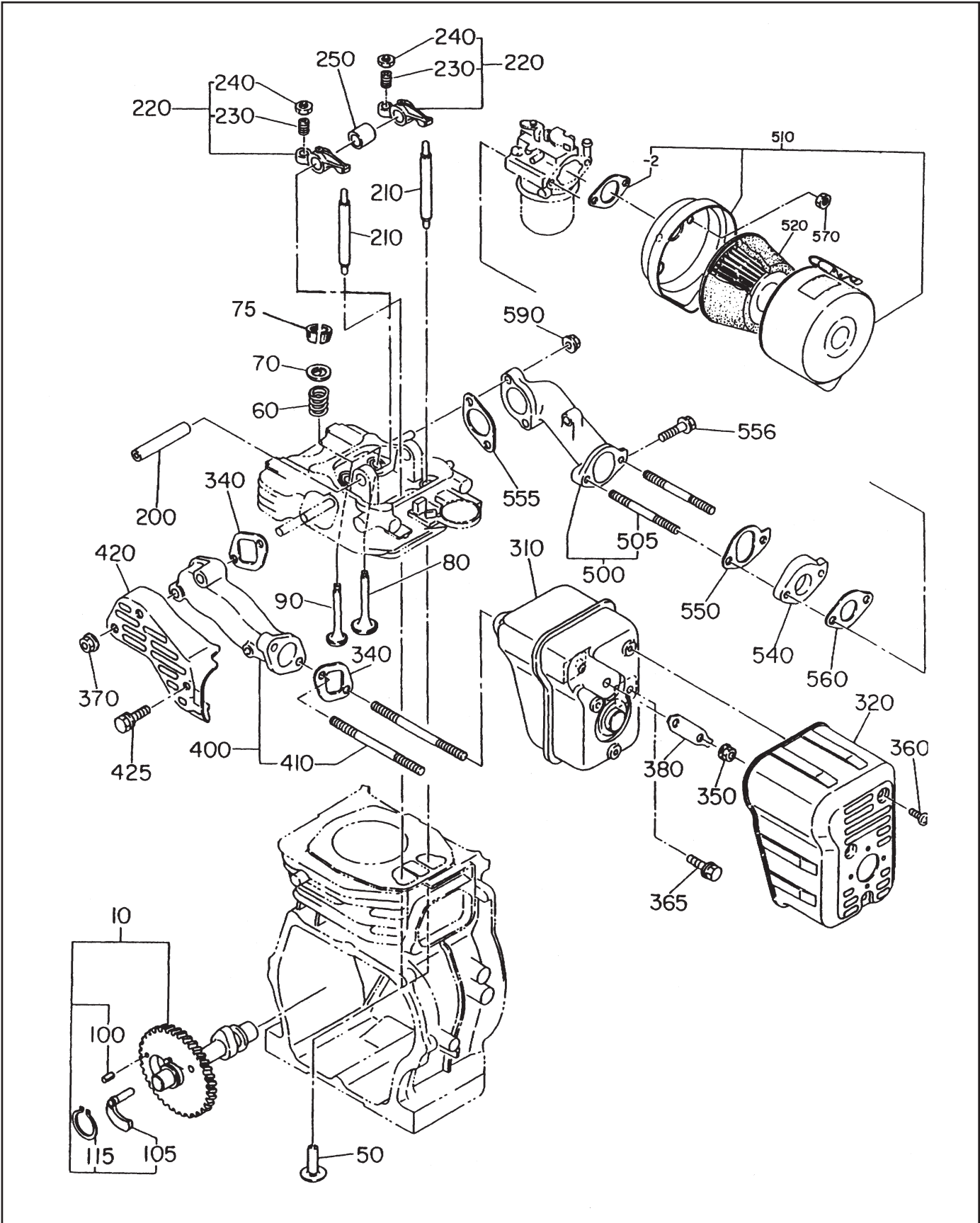


FIG. 3 INTAKE and EXHAUST GROUP

REF	PART NUMBER	DESCRIPTION	QTY	REMARKS
10	253-31701-01	Camshaft	1	
50	239-33301-03	Tappet	2	
60	253-33601-03	Valve Spring	2	From S/N 1134913
	237-33601-03	Valve Spring	2	To S/N 1134912
70	132-09KAO-40	Spring Retainer	2	From S/N 1134913
	237-33701-23	Spring Retainer	2	To S/N 1134912
75	132-10KAO-31	Valve Collet	2	From S/N 1134913
80	253-33401-03	Intake Valve	1	From S/N 1134913
	238-33401-33	Intake Valve	1	To S/N 1134912
90	253-33502-03	Exhaust Valve	1	From S/N 1134913
	238-33501-03	Exhaust Valve	1	To S/N 1134912
100	005-19041-00	Spring Pin	1	
105	227-36401-03	Release Lever	1	
115	003-15220-00	Snap Ring (Outer)	1	
200	237-35001-03	Rocker Shaft	1	
210	253-35301-01	Push Rod	2	
220	253-36101-00	Rocker Arm	2	
230	014-90800-21	Adjusting Screw	2	
240	017-00800-90	Nut	2	
250	237-36120-13	Spacer	1	
310	253-30101-01	Muffler	1	
320	253-34201-01	Muffler Cover	1	
340	253-35201-03 **	Gasket (Muffler)	2	
350	017-00800-30	Nut	2	
360	015-20500-10	Tapping Screw	3	
365	011-00600-20	Flange Bolt	2	
370	018-00800-10	Flange Nut	2	
380	236-36101-03	Lock Washer	1	
400	253-34001-01	Exhaust Pipe	1	
410	010-50804-10	Stud	2	
420	253-34801-01	Exhaust Pipe Cover	1	
500	253-33001-01	Intake Pipe	1	
505	010-50602-30	Stud	2	
510	253-32610-00	Air Cleaner	1	
-2	236-32630-08	Packing	1	
520	227-32610-07	Element	1	
540	253-32901-03	Insulator	1	
550	253-35901-03 **	Gasket 3 (Insulator)	1	
555	227-35901-03 **	Gasket (Insulator)	1	
556	011-00601-30	Flange Bolt	1	
560	236-35903-03 **	Gasket 2 (Insulator)	1	
570	017-60600-20	Self-Lock Nut	2	
590	002-38060-00	Flange Nut	2	

FIG. 4 GOVERNOR, OPERATION GROUP

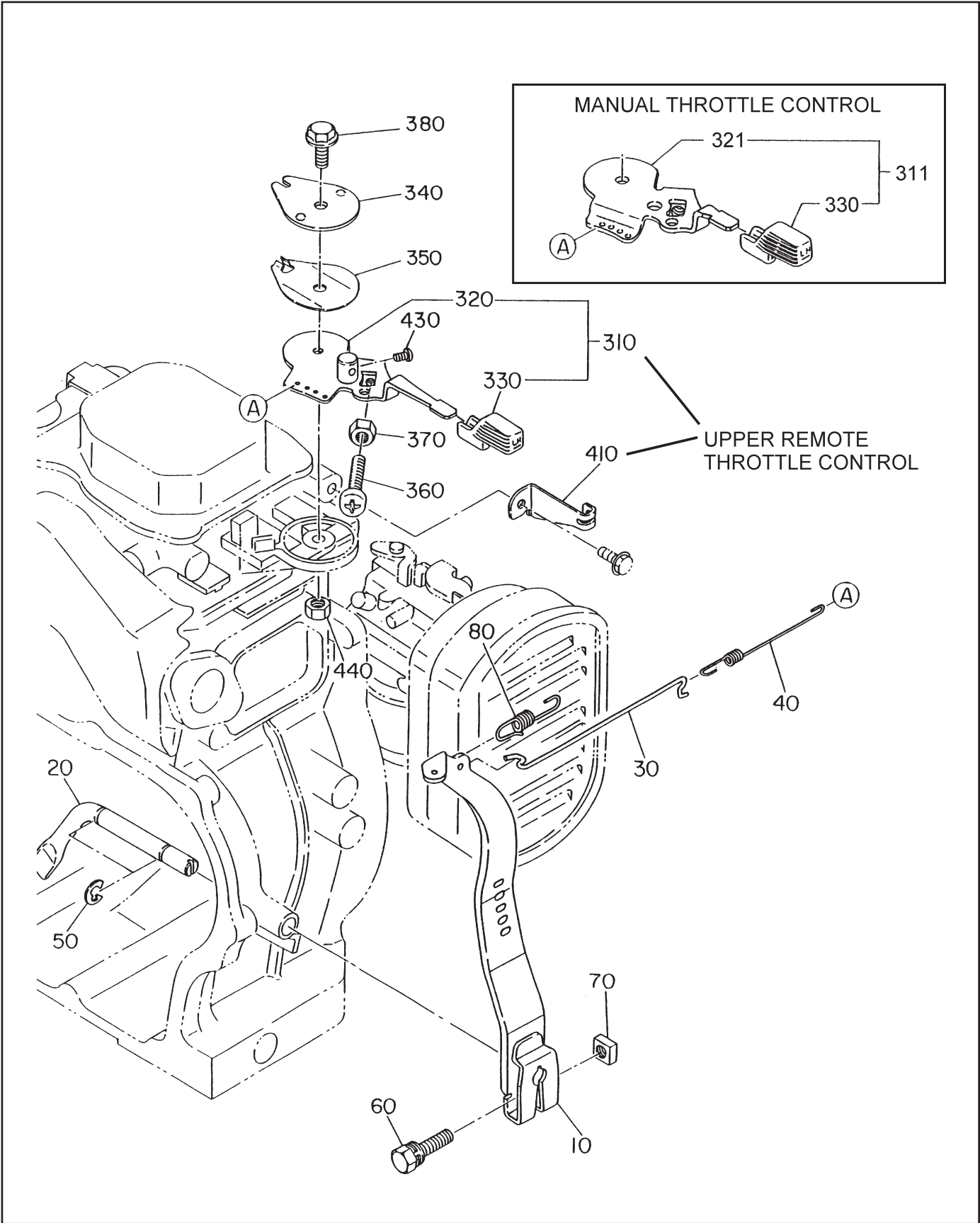


FIG. 4 GOVERNOR, OPERATION GROUP

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FIG. 5 COOLING, STARTING GROUP

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FIG. 6 FUEL and LUBRICANT GROUP

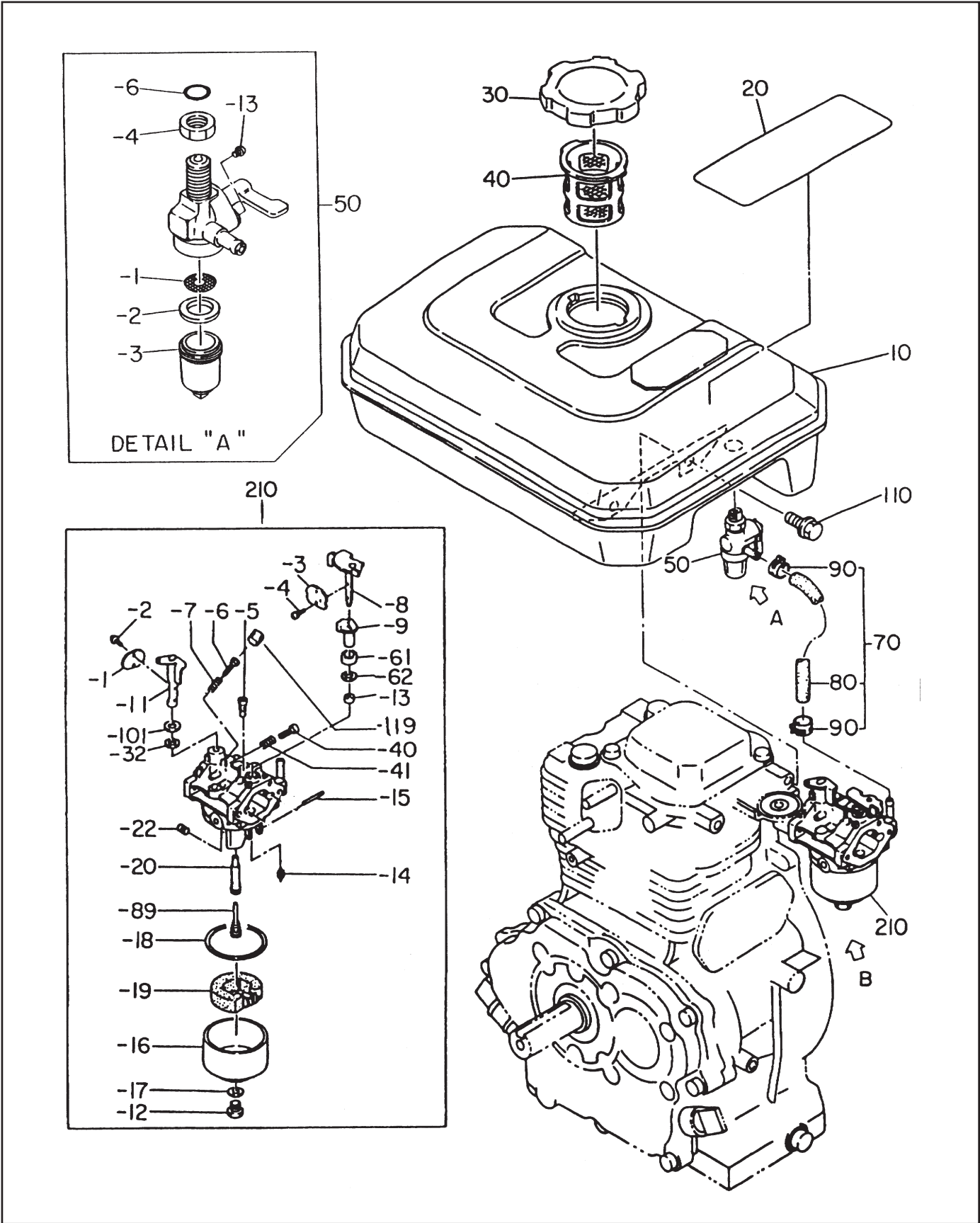


FIG. 6 FUEL and LUBRICANT GROUP

REF	PART NUMBER	DESCRIPTION	QTY	REMARKS
10	253-60108-01	Fuel Tank	1	
20	073-20039-00	Label (Warning)	1	
30	043-04300-15	Fuel Tank Cap	1	
40	064-13600-10	Fuel Filter	1	
50	064-20084-00	Fuel Strainer	1	
-1	064-20042-20	Filter	1	
-2	064-20064-10	Packing	1	
-3	064-20078-10	Cup	1	
-4	064-20084-10	Nut	1	
-6	064-20084-20	O-Ring	1	
-13	064-20047-90	Screw	1	
70	253-62601-01	Fuel Pipe	1	
80	085-10600-00	Rubber Pipe	1	6x12x70mm
90	056-11100-20	Hose Clamp	2	
110	011-00600-30	Flange Bolt	4	
210	253-62404-00	Carburetor	1	
-1	220-62536-08	Throttle Valve	1	
-2	237-62451-08	Screw	2	
-3	236-62528-08	Choke Valve	1	
-4	237-62451-08	Screw	2	
-5	253-62420-08	Pilot Jet	1	
-6	246-62436-08	Pilot Screw	1	
-7	209-62445-08	Spring	1	
-8	236-62520-08	Choke Lever	1	
-9	239-62560-08	Ring	1	
-11	236-62600-08	Throttle Shaft	1	
-12	236-62451-08	Bolt	1	
-13	226-62550-08	Ring	1	
-14	161-62352-08	Needle	1	
-15	236-62510-08	Pin	1	
-16	236-62551-08	Float Chamber Body	1	
-17	236-62450-08	Packing	1	
-18	236-62540-08	Packing	1	
-19	236-62505-08	Float	1	
-20	238-62440-08	Main Nozzle	1	
-22	253-62401-08	Main Jet	1	
-32	106-62392-08	Seal	1	
-40	246-62435-08	Adjusting Screw	1	
-41	236-62445-08	Spring	1	
-61	247-62550-08	Cap (Choke)	1	
-62	236-62680-08	Seal	1	
-89	235-62425-08	Guide Holder	1	
-101	236-62631-08	Ring	1	
-119	246-62551-08	Cap	1	

FIG. 7 ELECTRIC DEVICE GROUP

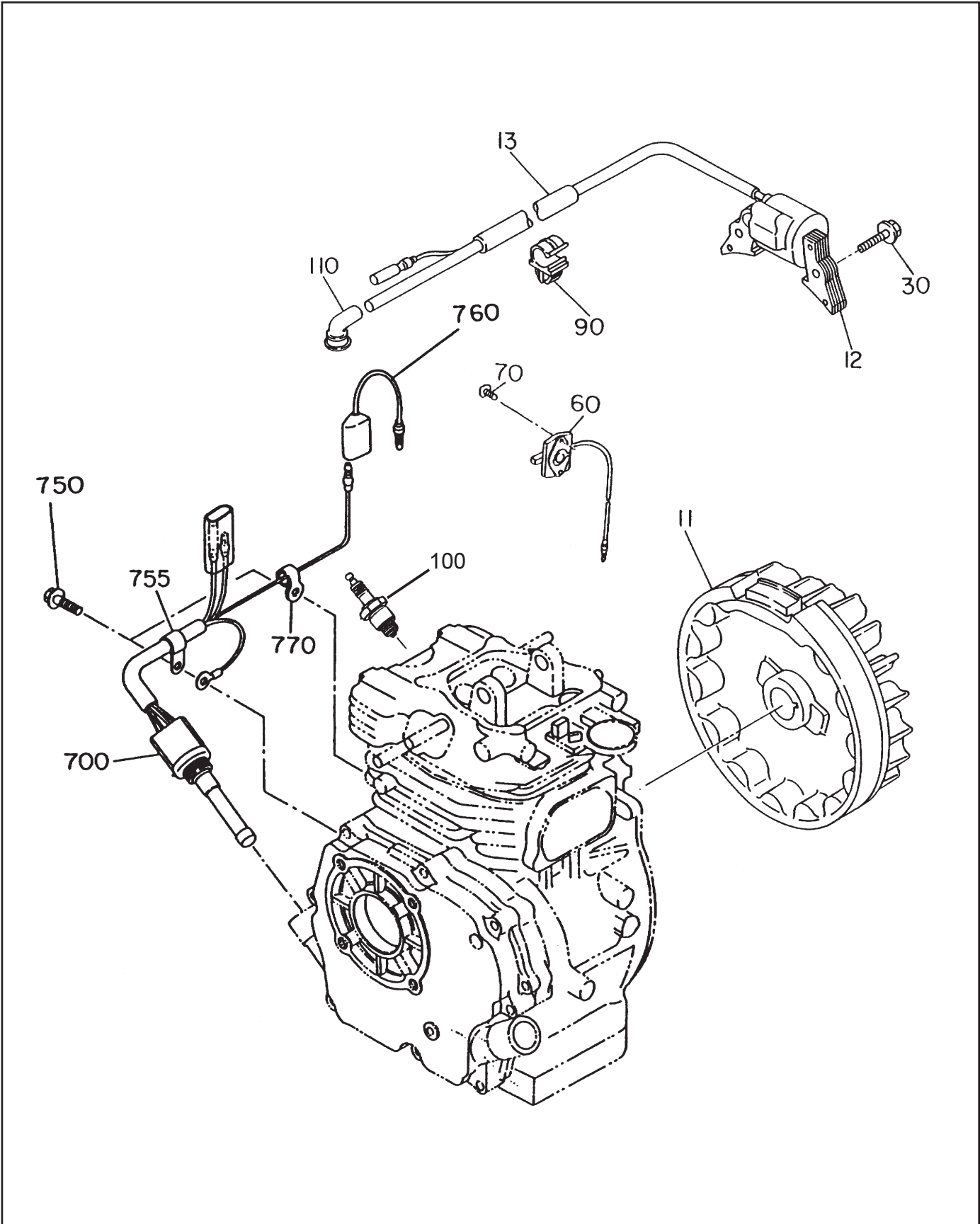


FIG. 7 ELECTRIC DEVICE GROUP

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- NOTES -

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