

PARTS MANUAL

Models

**EH63, EH64, EH65
ENGINES**

PUB-EP5734A
Rev. 02/00

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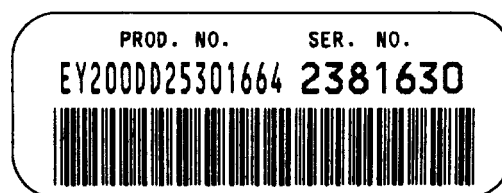
HOW TO USE THIS MANUAL

Robin engines are identified by MODEL, SPECIFICATION, and CODE NUMBER. For each model there may be many different versions called specifications. Each specification will be unique in some way. The difference may only be the paint color or it may have a different type of PTO or some other significant difference.

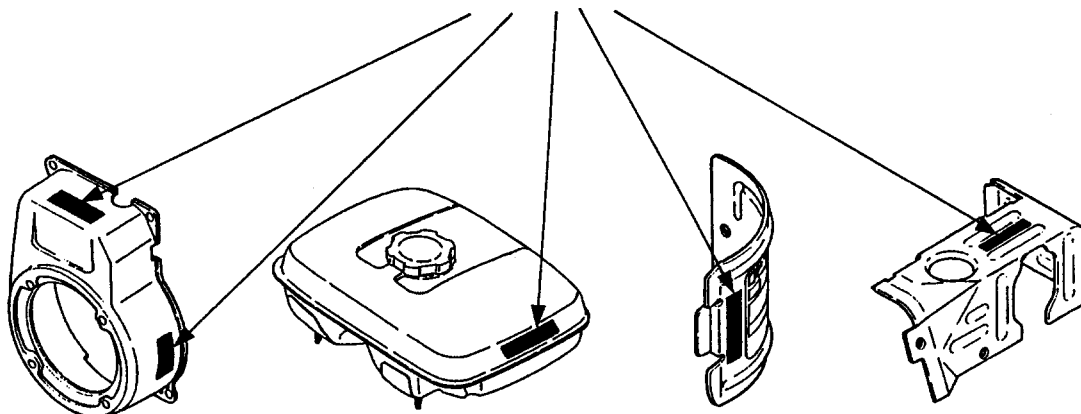
In order to identify the correct service part number, it is important to confirm the specification and code numbers for your engine. The specification and code number together are known as the PRODUCT NUMBER.

All Robin 4 cycle engines have a Product Number label similar to the label illustrated below.

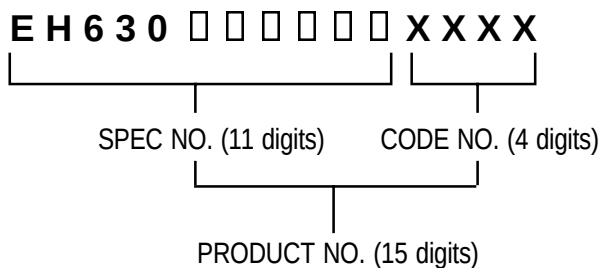
PRODUCT NUMBER LABEL



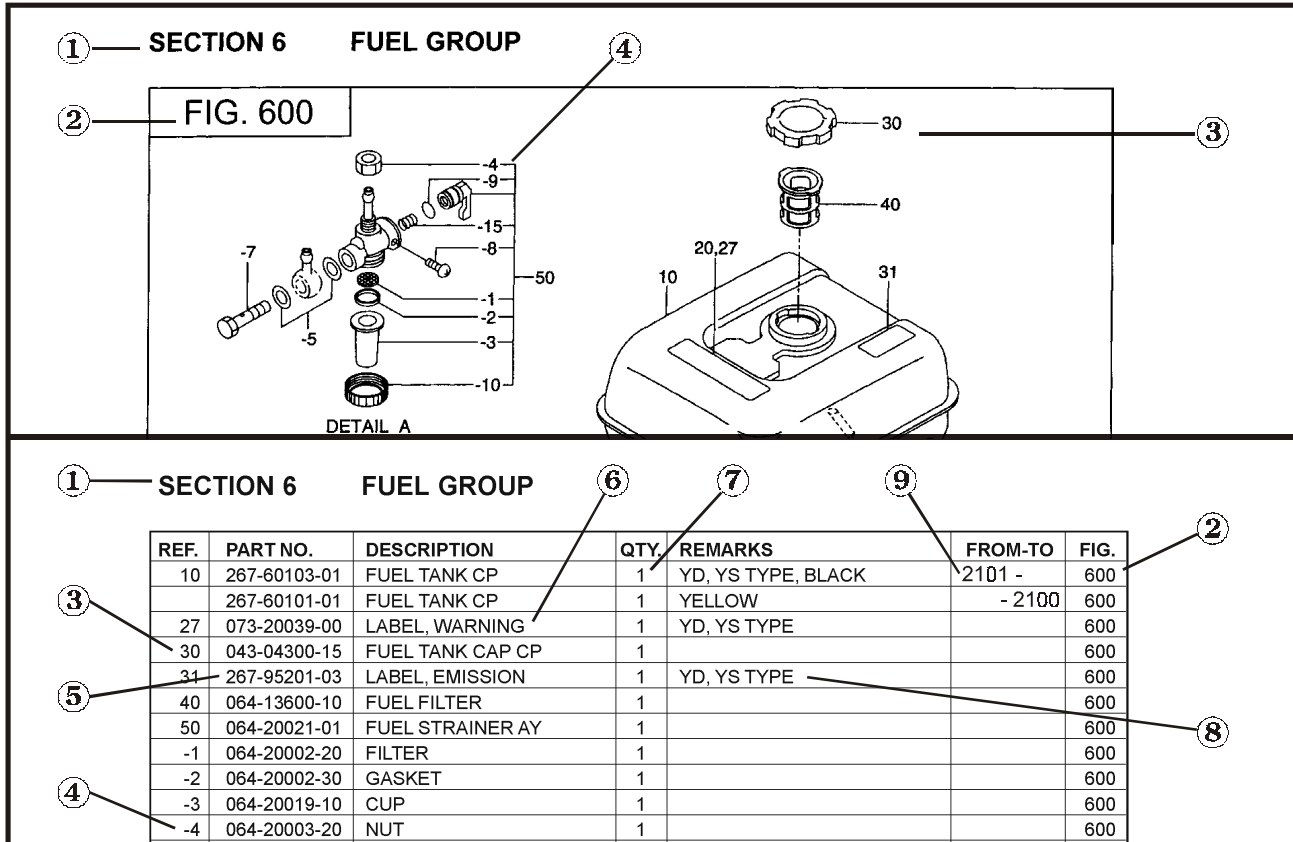
PRODUCT NUMBER LABEL LOCATIONS



The Product Number Label has a 15 digit alphanumeric string that consists of the SPECIFICATION (SPEC) number (11 digits) and the CODE number (4 digits). Please note the illustration below:



MANUAL LAYOUT



1. SECTION NAME Parts are broadly classified according to their functions. Refer to the Group Index (table of contents) for respective section name.
2. FIG. No. The FIG. number indexes the reference and part numbers to the illustration. Figure numbers that vary only in the tens place (i.e.: 700 and 710) are in a group of the same section (i.e.:Electrical Device Group).
3. REF. No . The Reference number identifies the part illustration with the corresponding part number in the part list.
4. SUBASSEMBLY SUBASSEMBLY parts of part assembly are listed below the assembly part. The subassembly part reference number is indicated by the number led by "-" such as "-1", "-2".
5. PART NUMBER It is the number assigned for sales unit. Use the PART No. when making an order.
6. DESCRIPTION It is designation of the part.
7. QTY. Quantity of each part used for each product.
8. REMARKS This gives a distinctive feature and/or a supplementary comment for the type, the specification, and the part concerned. It also shows part number(s) interchangeable for the part.
9. FROM-TO This section shows the CODE No. to indicate the history of progress in which improved parts have been introduced in the product. The FROM-TO CODE No. helps to identify PART No. being employed in the product concerned. See the examples below:
 - The part is used in the product irrespective of CODE No.
 - 2101- The part is used in the products with CODE No. of 2101 and after this number.
 - 2100 The part is used in the products with CODE No. of 2100 and before this number.

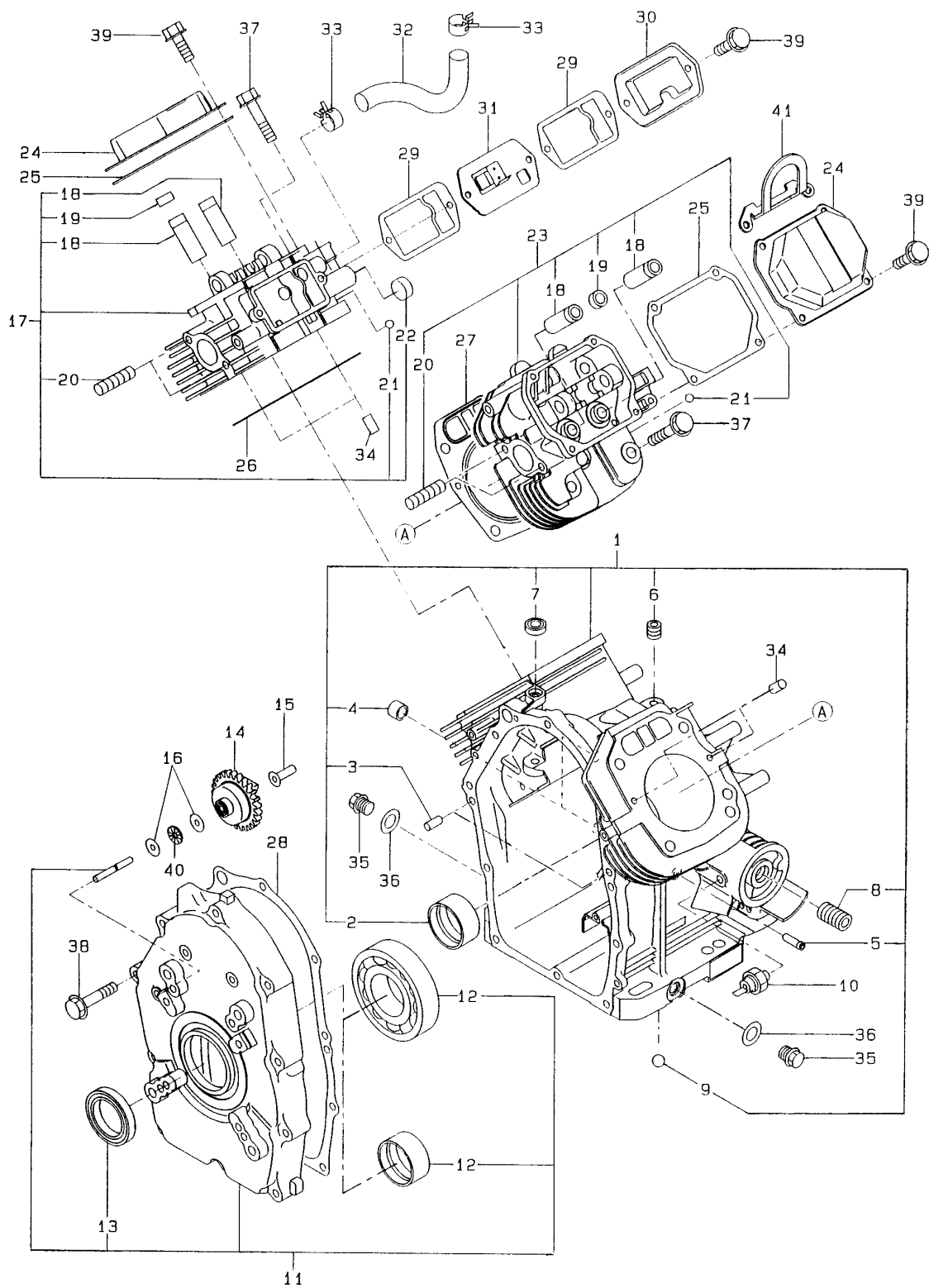
GROUP INDEX

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INDEX OF DESCRIPTION SYMBOLS			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AY	ASSEMBLY	P=	PITCH (in mm)
CP	COMPLETE	P.T.O. (PTO)	POWER TAKE OFF
EX	EXPORT (from Japan)	REF.	REFERENCE
FIG.	FIGURE	R.H. (RH)	RIGHT HAND SIDE
FR.	FRONT	RR.	REAR
"	INCH	STD.	STANDARD
INCL.	INCLUDE	SW	SWITCH
~L	LITER	T=	THICKNESS (in mm)
L=	LENGTH (in. mm)	UN	UNIT
L.H. (LH)	LEFT-HAND SIDE	U.S.	UNDER SIZE
MECH	MECHANICAL	~V	VOLTAGE
NO (NON)	NONE	~W	WATT
OPT.	OPTIONAL	W/	WITH
O.S.	OVER SIZE	W/O	WITHOUT

SECTION 1 CRANKCASE GROUP

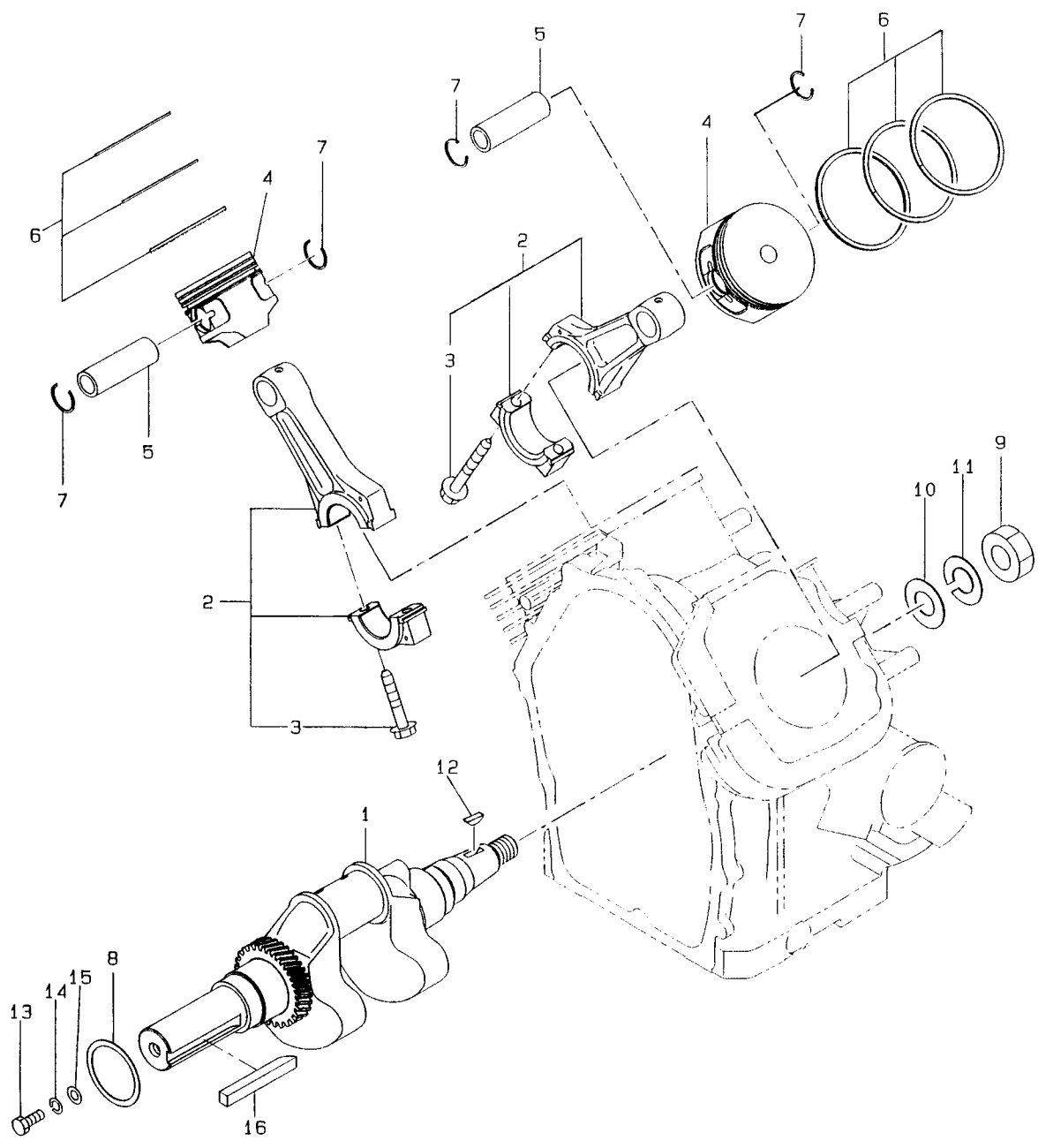
FIG. 100



SECTION 1 CRANKCASE GROUP

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
1	263-10101-A1	CRANKCASE, compl.	1	Includes items 2 thru 9		100
2	263-15801-03	MAIN BEARING	1			100
3	X31-00800-80	DOWEL PIN	2			100
4	142-55601-03	PIPE	2			100
5	159-65401-03	PIPE (PULSE)	1			100
6	235-15421-03	BLIND PLUG	1			100
7	044-00800-10	OIL SEAL	1			100
8	263-15901-03	UNION	1			100
9	045-01200-10	STEEL BALL	1			100
10	248-76301-01	SWITCH, OIL PRESSURE	1			100
*11	263-11001-B1	MAIN BEARING COVER, compl.	1	Ball bearing, pilot Ø 6.438		100
*11	263-11101-B1	MAIN BEARING COVER, compl.	1	Shell bearing, pilot Ø 6.438		100
*11	263-11002-B1	MAIN BEARING COVER, compl.	1	Ball bearing, pilot Ø 5.75		100
*11	263-11102-B1	MAIN BEARING COVER, compl.	1	Shell bearing, pilot Ø 5.75		100
12	060-04500-10	BALL BEARING	1			100
12	263-15801-03	MAIN BEARING	1			100
13	044-04200-20	OIL SEAL	1			100
14	263-45001-A1	GOVERNOR GEAR, compl.	1			100
15	263-41901-03	GOVERNOR SLEEVE	1			100
16	263-46214-A3	WASHER	1			100
*17	263-13001-11	CYLINDER HEAD 1, compl.	1	Includes items 18 thru 22		100
18	263-14201-03	VALVE GUIDE	4			100
19	132-07AA0-50	SEAL - INTAKE VALVE	2			100
20	010-50802-90	STUD	8			100
21	X45-00600-10	STEEL BALL	1			100
22	263-16201-03	PLUG	1			100
*23	263-13101-11	CYLINDER HEAD 2, compl.	1	Includes item 18 thru 21		100
24	246-15501-01	ROCKER COVER, compl.	2			100
25	246-16002-13	GASKET, rocker cover	2			100
26	263-15001-13	GASKET 1, cyl. head	1			100
27	263-15101-13	GASKET 2, cyl. head	1			100
28	263-16001-03	GASKET, main bearing cover	1			100
29	263-16006-03	GASKET, breather plate	2			100
30	263-14301-03	BREATHER COVER	1			100
31	263-14401-01	BREATHER PLATE, compl.	1			100
32	263-18001-03	RUBBER PIPE	1			100
33	263-68511-03	HOSE CLAMP	2			100
34	X31-00600-20	DOWEL PIN	4			100
35	040-11400-30	PLUG	2			100
36	021-11400-20	GASKET	2			100
37	X11-01000-30	FLANGE BOLT	8			100
38	X11-00800-90	FLANGE BOLT	10			100
39	X11-00600-30	FLANGE BOLT	10			100
40	263-46213-A3	THRUST BEARING	1			100
41	263-19001-A3	HOOK	2			100

FIG. 200

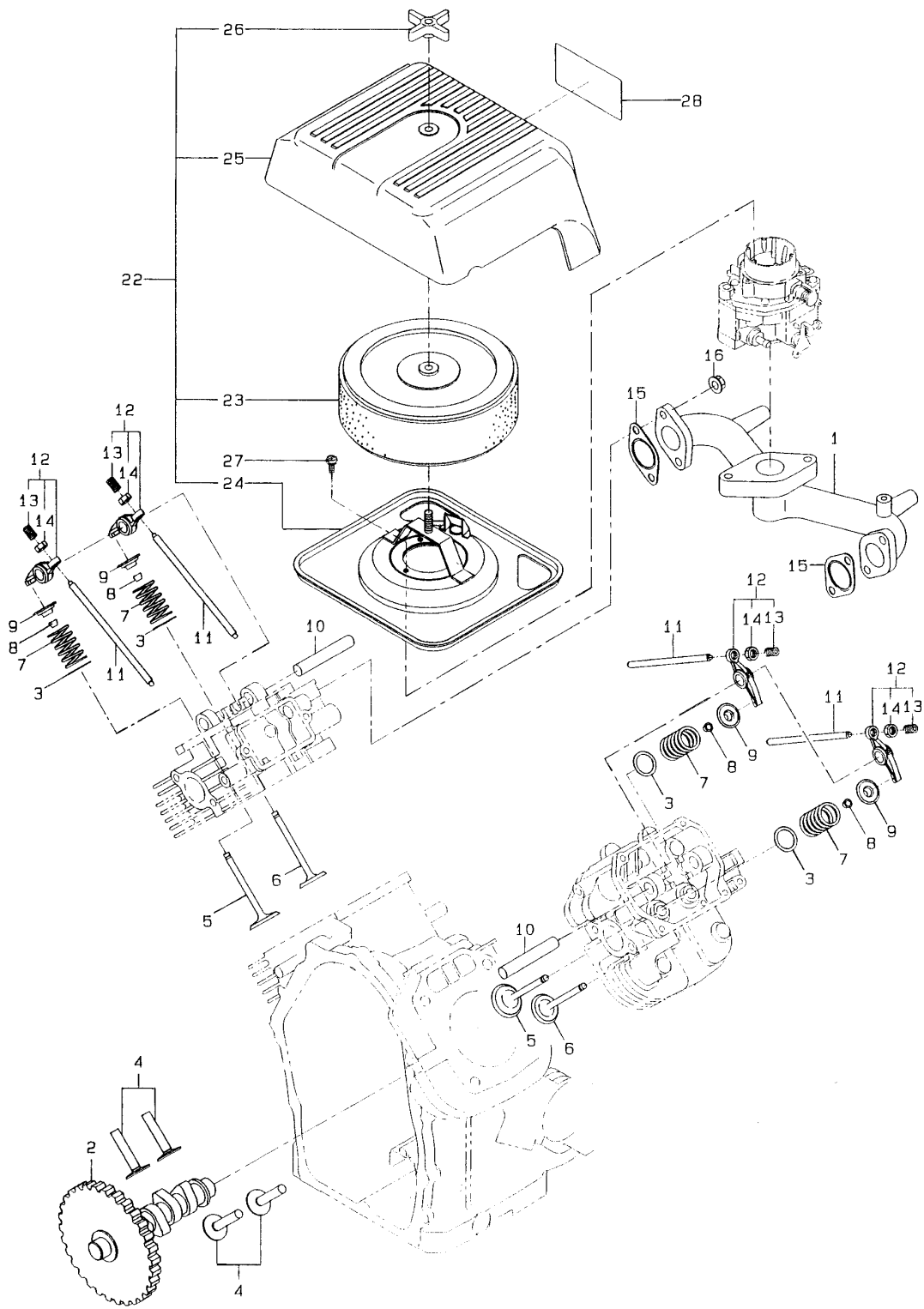


SECTION 2 CRANKSHAFT GROUP

[illegible]

SECTION 3 INTAKE and EXHAUST GROUP

FIG. 300



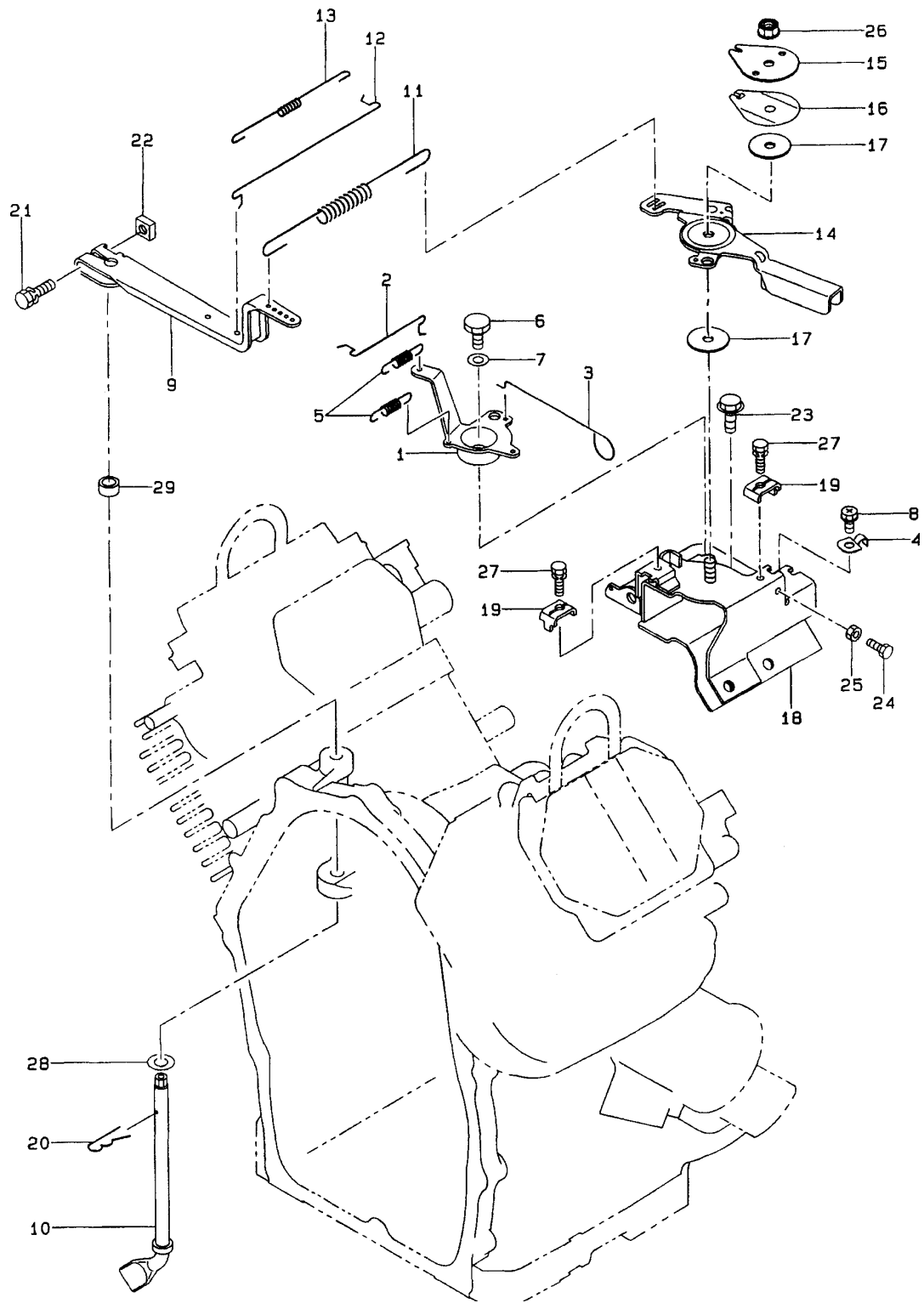
SECTION 3

INTAKE and EXHAUST GROUP

[illegible]

SECTION 4 GOVERNOR GROUP

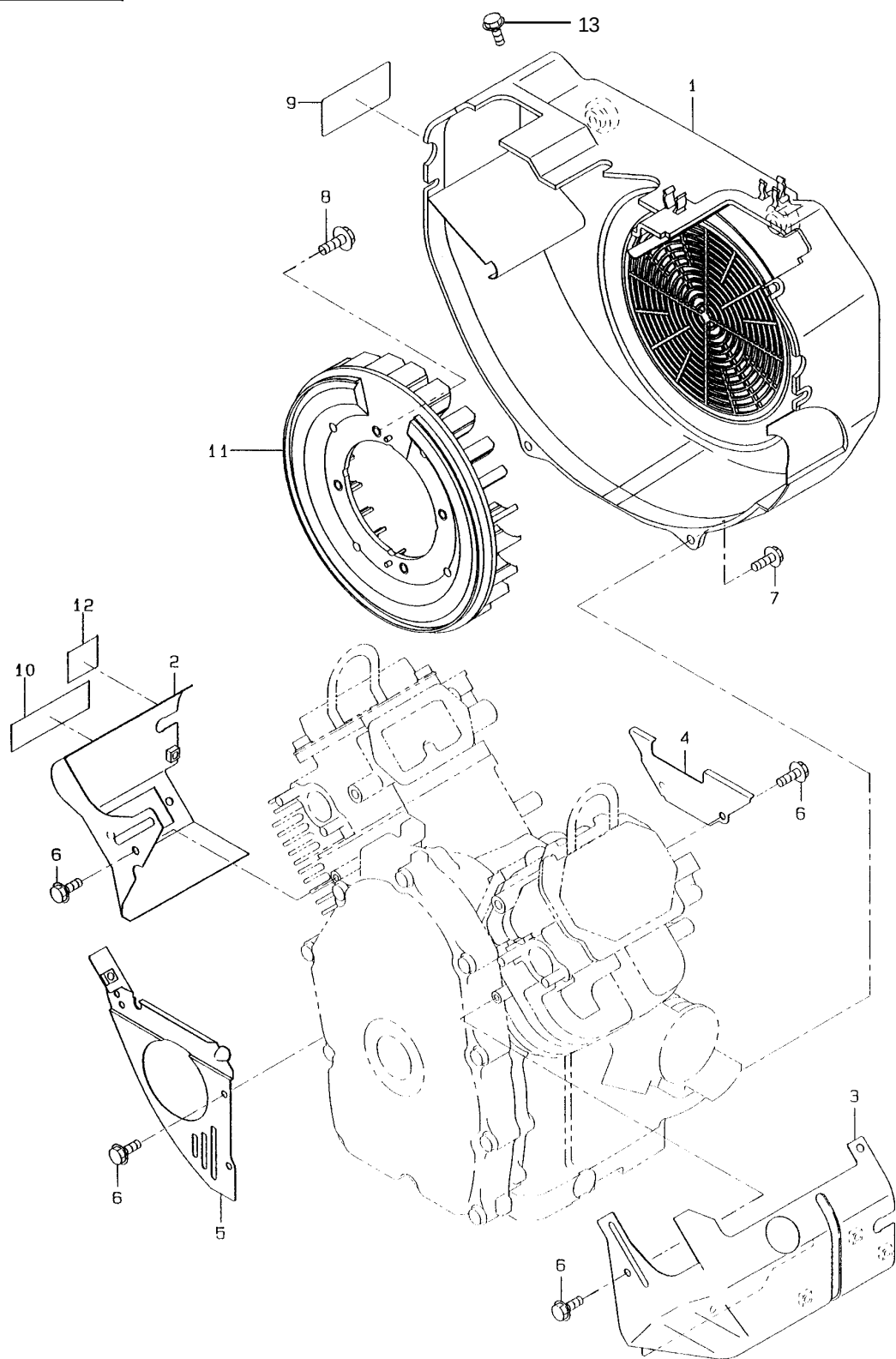
FIG. 400



SECTION 4 GOVERNOR GROUP

[illegible]

FIG. 500

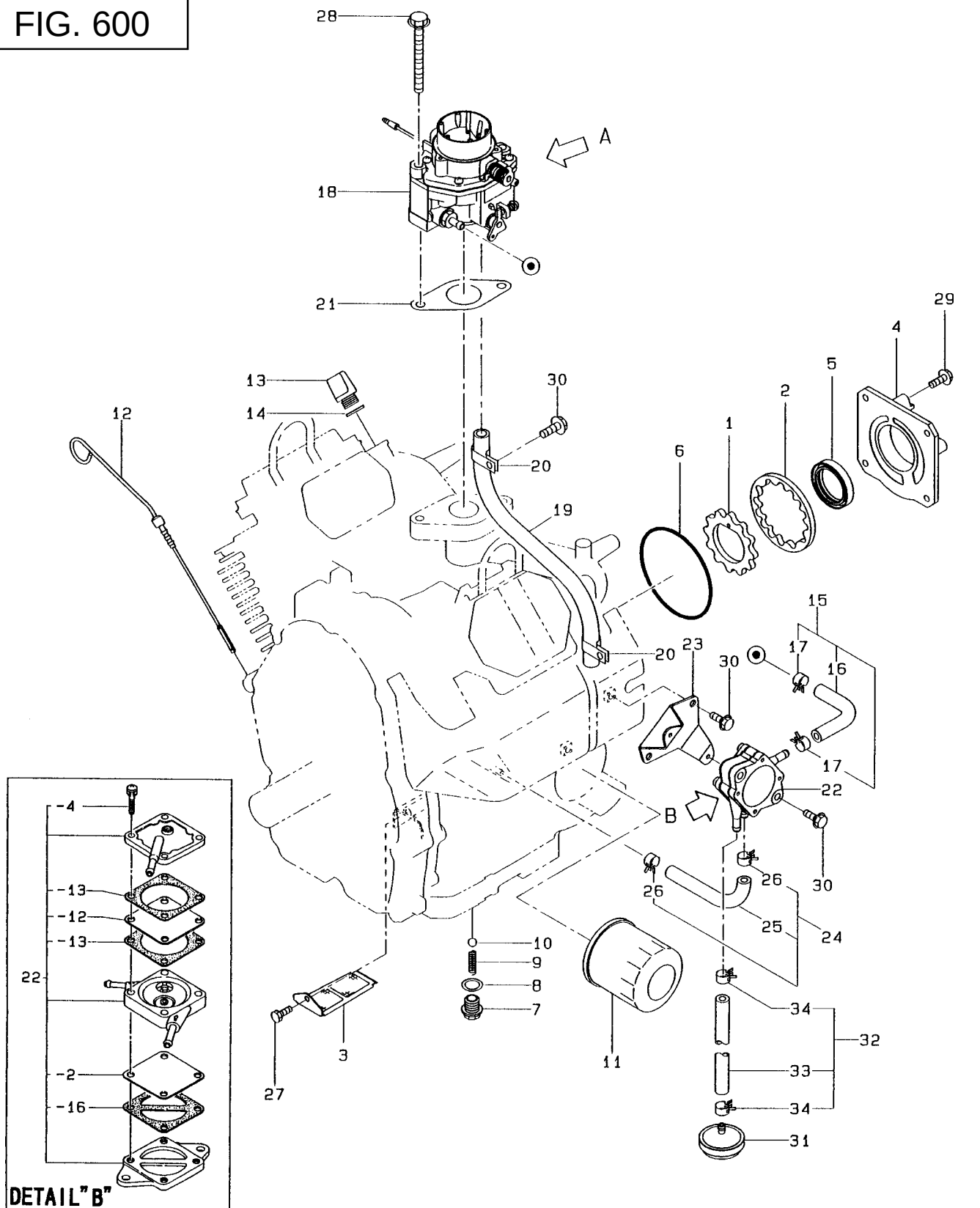


SECTION 5 COOLING and STARTING GROUP

[illegible]

SECTION 6 FUEL and LUBRICATION GROUP

FIG. 600

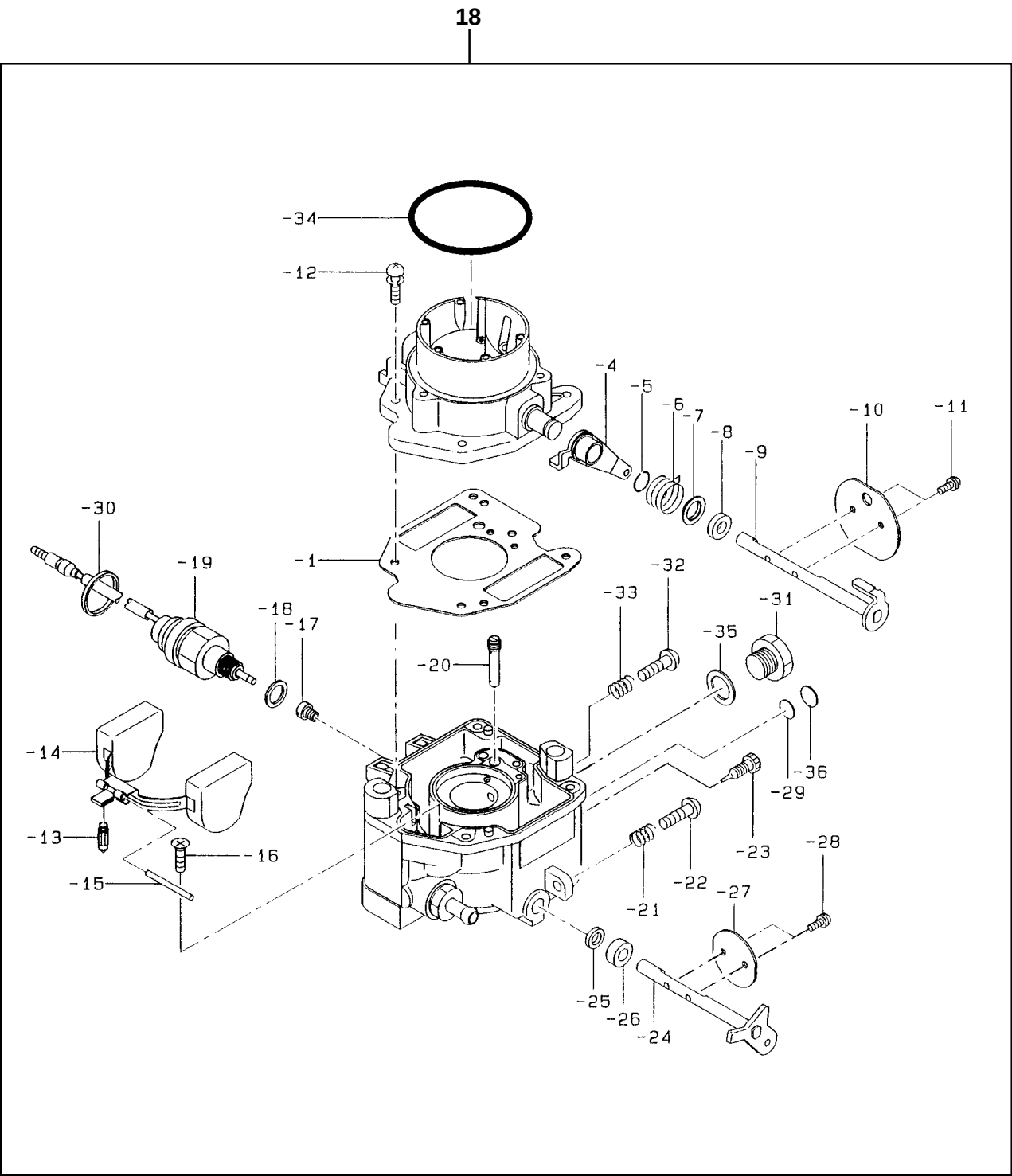


SECTION 6 FUEL and LUBRICATION GROUP

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
1	263-63901-03	INNER ROTOR	1			600
2	263-63902-03	OUTER ROTOR	1			600
3	263-64301-02	OIL PUMP FILTER UNIT	1			600
4	263-64001-01	OIL PUMP COVER, compl.	1			600
5	044-03500-90	OIL SEAL	1			600
6	X24-08900-20	O RING	1			600
7	263-65001-13	PLUG, oil relief	1			600
8	003-70140-00	GASKET, aluminum	1			600
9	248-65601-03	SPRING, relief valve	1			600
10	006-90308-00	STEEL BALL	1			600
11	261-65902-A0	OIL FILTER AY	1			600
12	263-63603-01	OIL GAUGE, compl.	1		From 4323	600
12	263-63602-A1	OIL GAUGE, compl.	1		To 4322	600
13	263-63602-03	OIL FILTER CAP	1			600
14	021-31600-10	GASKET	1			600
15	263-62601-01	FUEL PIPE, compl.	1			600
16	263-68001-03	RUBBER PIPE	1			600
17	263-68501-03	HOSE CLAMP	2			600
18	263-62303-00	CARBURETOR AY	1	EH65		600
	263-62403-00	CARBURETOR AY	1	EH64		600
	263-62503-00	CARBURETOR AY	1	EH63		600
19	160-67402-A3	VINYL PIPE	1			600
20	206-75501-01	CLAMP, compl.	2			600
21	263-66201-03	GASKET, carburetor	1			600
22	248-62201-00	FUEL PUMP AY	1	Includes items -2 thru -16		600
-2	251-62200-08	DIAPHRAGM	1			600
-4	251-62250-08	SCREW	4			600
-12	251-62201-08	DIAPHRAGM	1			600
-13	251-62240-08	GASKET	2			600
-16	251-62235-08	GASKET	1			600
23	263-65002-02	BRACKET, fuel pump	1			600
24	263-62650-01	PULSE PIPE	1			600
25	263-68051-03	RUBBER PIPE	1			600
26	263-68501-03	HOSE CLAMP	2			600
27	X10-10500-10	FLANGE BOLT	1			600
28	X11-00801-10	FLANGE BOLT	2			600
29	X11-00601-40	FLANGE BOLT	4			600
30	X11-00600-20	FLANGE BOLT	5			600
31	263-65011-A0	FUEL FILTER AY	1			600
32	263-62611-A1	FUEL PIPE	1			600
33	263-68002-03	RUBBER PIPE	1			600
34	263-68501-03	HOSE CLAMP	2			600

SECTION 7 CARBURETOR GROUP

FIG. 700

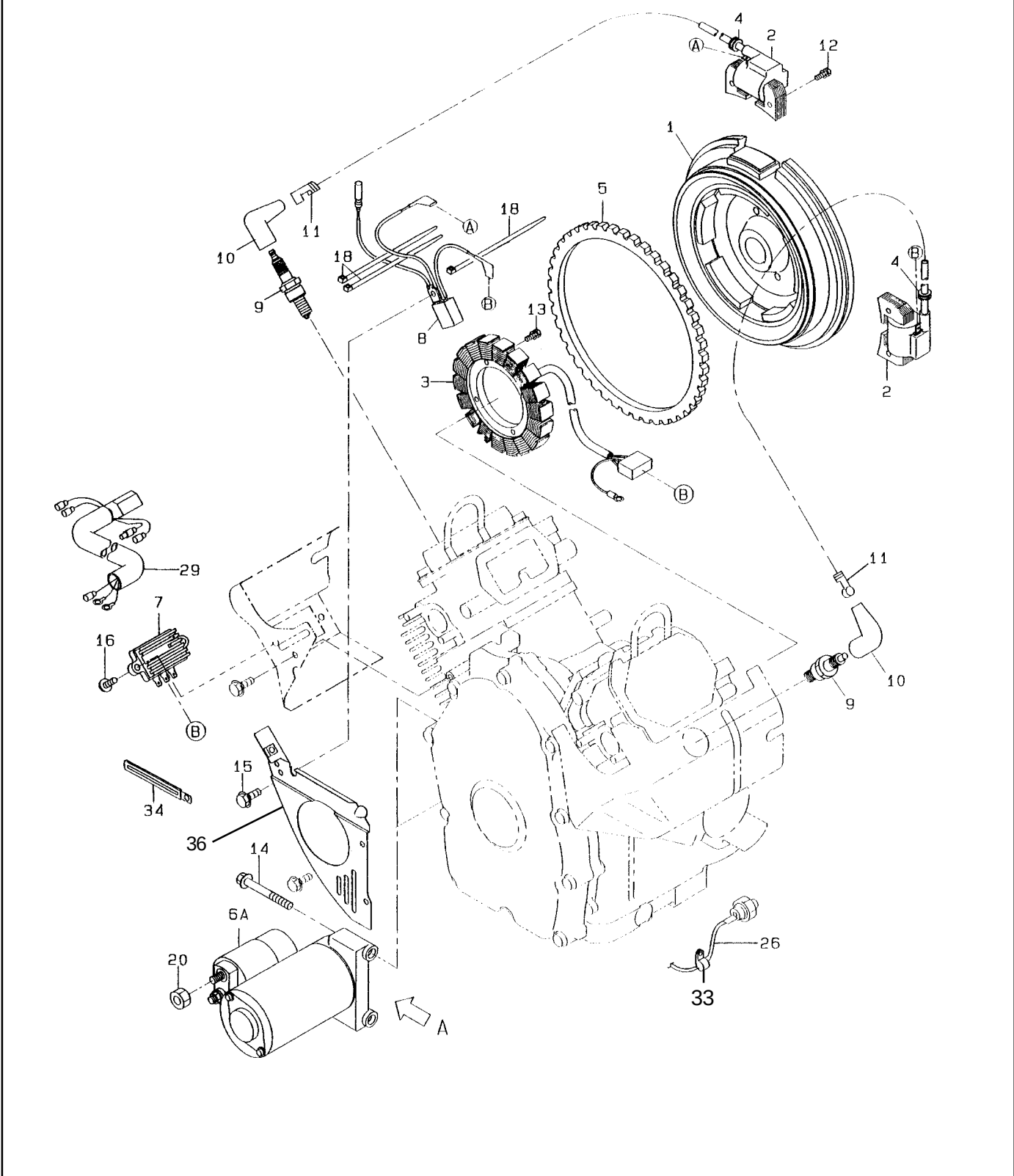


SECTION 7 CARBURETOR GROUP

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
18	263-62303-00	CARBURETOR AY, for EH65	1	Includes items -1 thru -36		700
	263-62403-00	CARBURETOR AY, for EH64	1	Includes items -1 thru -36		700
	263-62503-00	CARBURETOR AY, for EH 63	1	Includes items -1 thru -36		700
-1	258-62545-08	GASKET, air horn	1			700
-4	263-62524-08	LEVER AY, choke	1			700
-5	258-62551-08	RING, choke lever	1			700
-6	263-62445-08	SPRING, choke	1			700
-7	258-62553-08	COLLAR, choke	1			700
-8	258-62554-08	FILTER, choke shaft	1			700
-9	263-62520-08	SHAFT AY, choke	1			700
-10	258-62525-08	CHOKE VALVE	1			700
-11	258-62555-08	SCREW, valve set	2			700
-12	258-62450-08	SCREW, air horn set	4			700
-13	226-62501-08	VALVE, float	1			700
-14	258-62505-08	FLOAT AY	1			700
-15	258-62515-08	FLOAT PIN	1			700
-16	258-62556-08	SCREW, float pin set	1			700
-17	263-62400-08	MAIN JET #132	1			700
-18	258-62546-08	GASKET	1			700
-19	258-62557-18	SOLENOID VALVE AY	1			700
-20	258-62420-08	SLOW JET #60	1			700
-21	258-62445-08	SPRING, adjust screw	1			700
-22	258-62451-08	SCREW, throttle adjust	1			700
-23	261-62435-08	NEEDLE, idle adjust	1			700
-24	263-62532-08	THROTTLE SHAFT AY	1	EH65		700
	263-62531-08	THROTTLE SHAFT AY	1	EH64		700
	263-62530-08	THROTTLE SHAFT AY	1	EH63		700
-25	226-62580-08	FILTER, throttle shaft	1			700
-26	258-62570-08	COLLAR	1			700
-27	263-62535-08	THROTTLE VALVE	1			700
-28	261-62352-08	VALVE SET SCREW	2	M3 X 5mm		700
-29	258-62560-08	EXPANSION PLUG	1			700
-30	258-62566-08	CLAMP, solenoid	1			700
-31	263-62551-08	PLUG	1			700
-32	215-62353-08	SCREW	1			700
-33	215-62446-08	SPRING	1			700
-34	263-62560-08	O RING	1			700
-35	263-62555-08	GASKET	1			700
-36	263-62570-08	PLUG, anti tamper	1			700

SECTION 8 ELECTRIC DEVICE GROUP - NEW STYLE

FIG. 800

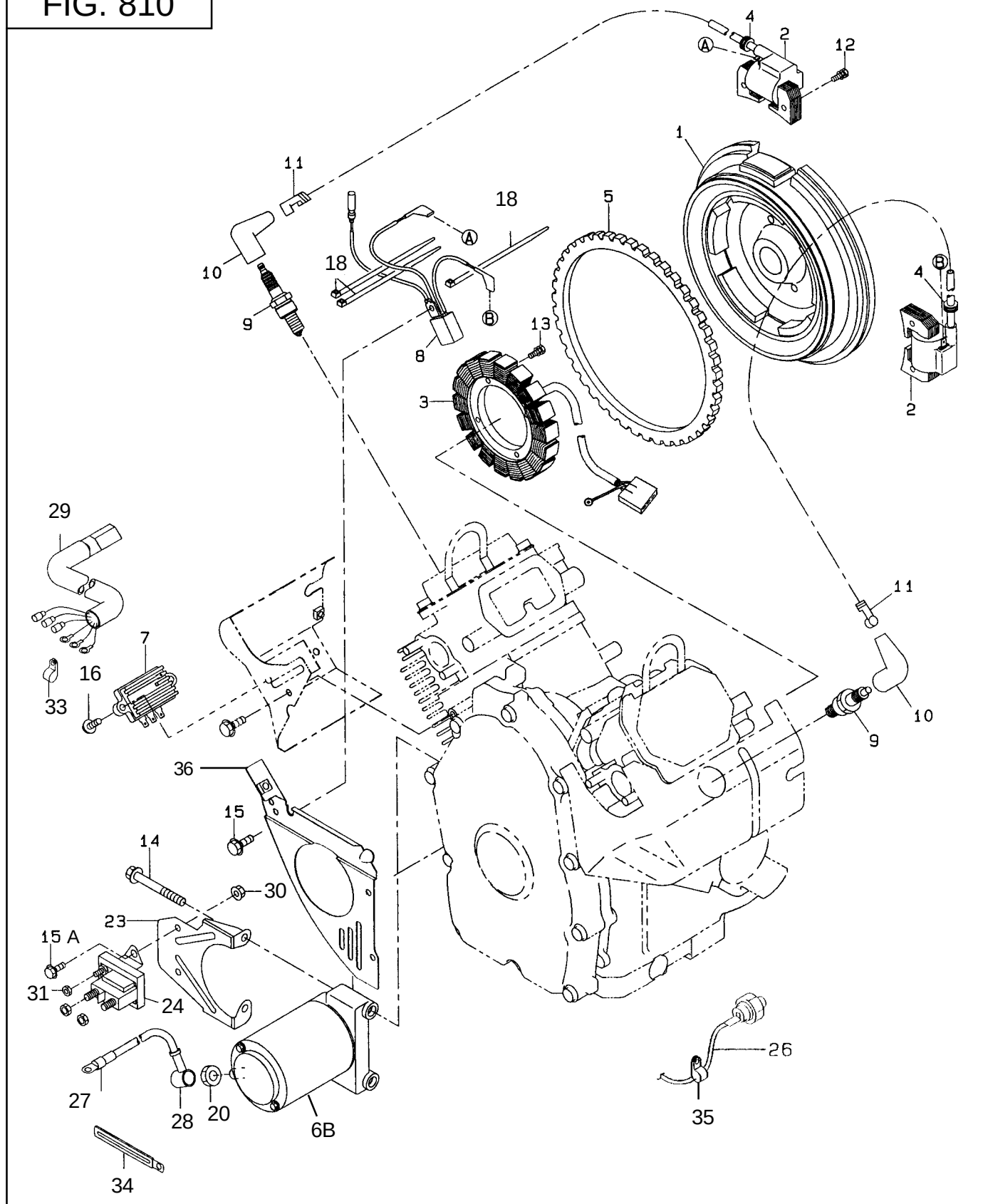


SECTION 8 ELECTRIC DEVICE GROUP - NEW STYLE

[illegible]

SECTION 8 ELECTRIC DEVICE GROUP - OLD STYLE

FIG. 810



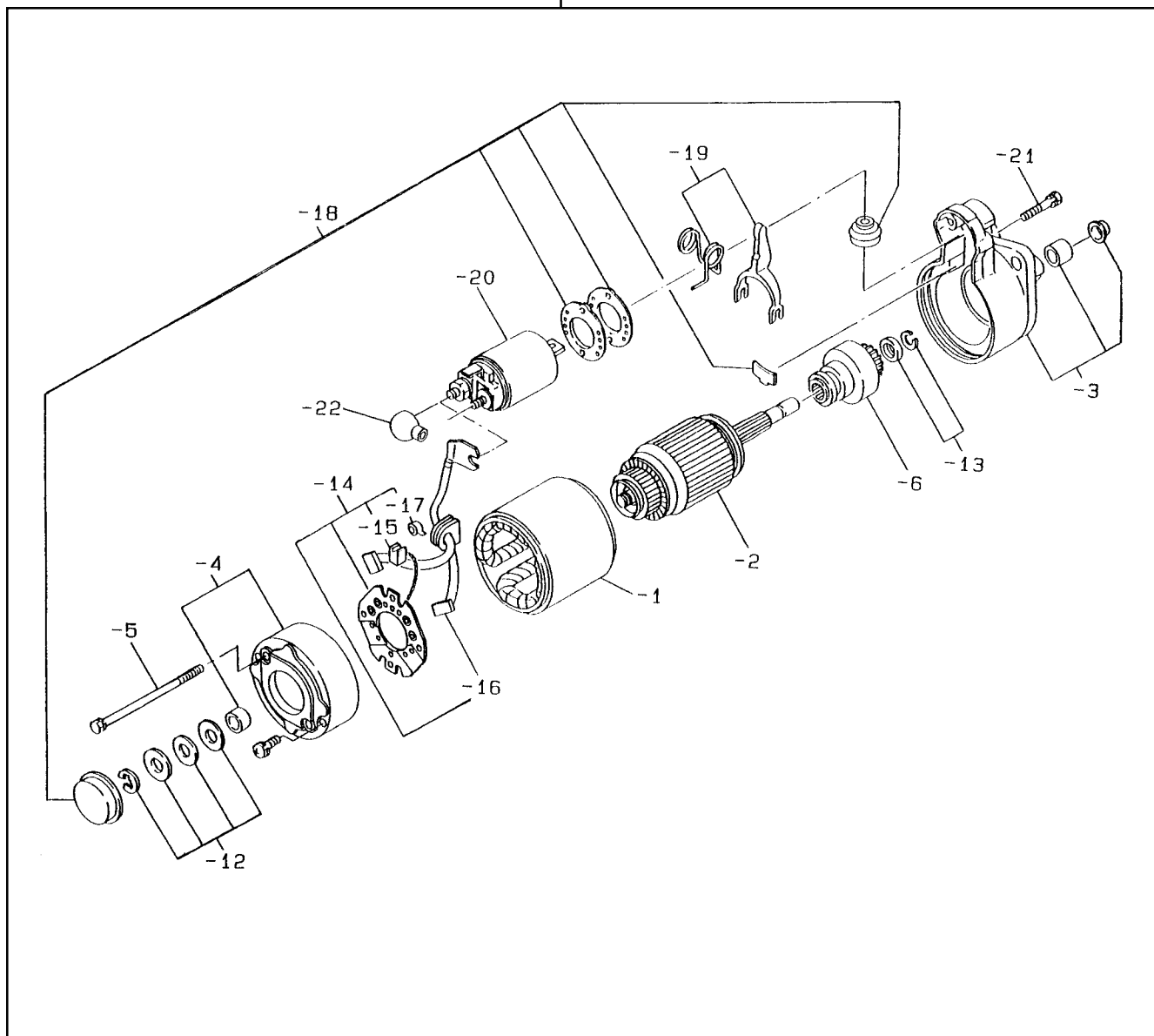
SECTION 8 ELECTRIC DEVICE GROUP - OLD STYLE

[illegible]

SECTION 9 STARTING MOTOR GROUP - NEW STYLE (HITACHI)

FIG. 900

6A



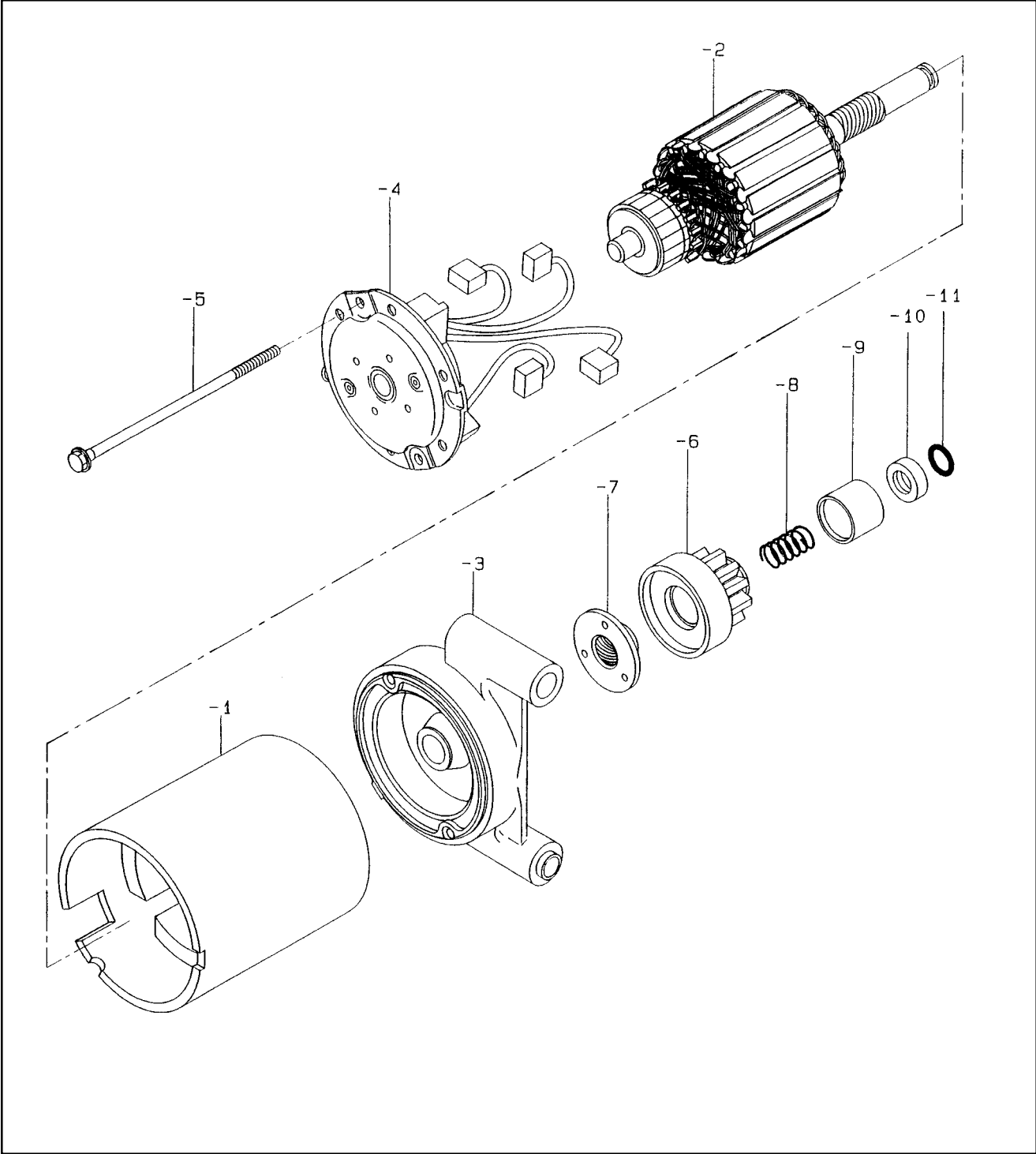
SECTION 9 STARTING MOTOR GROUP - NEW STYLE (HITACHI)

[illegible]

SECTION 9 STARTING MOTOR GROUP - OLD STYLE

FIG. 910

6B



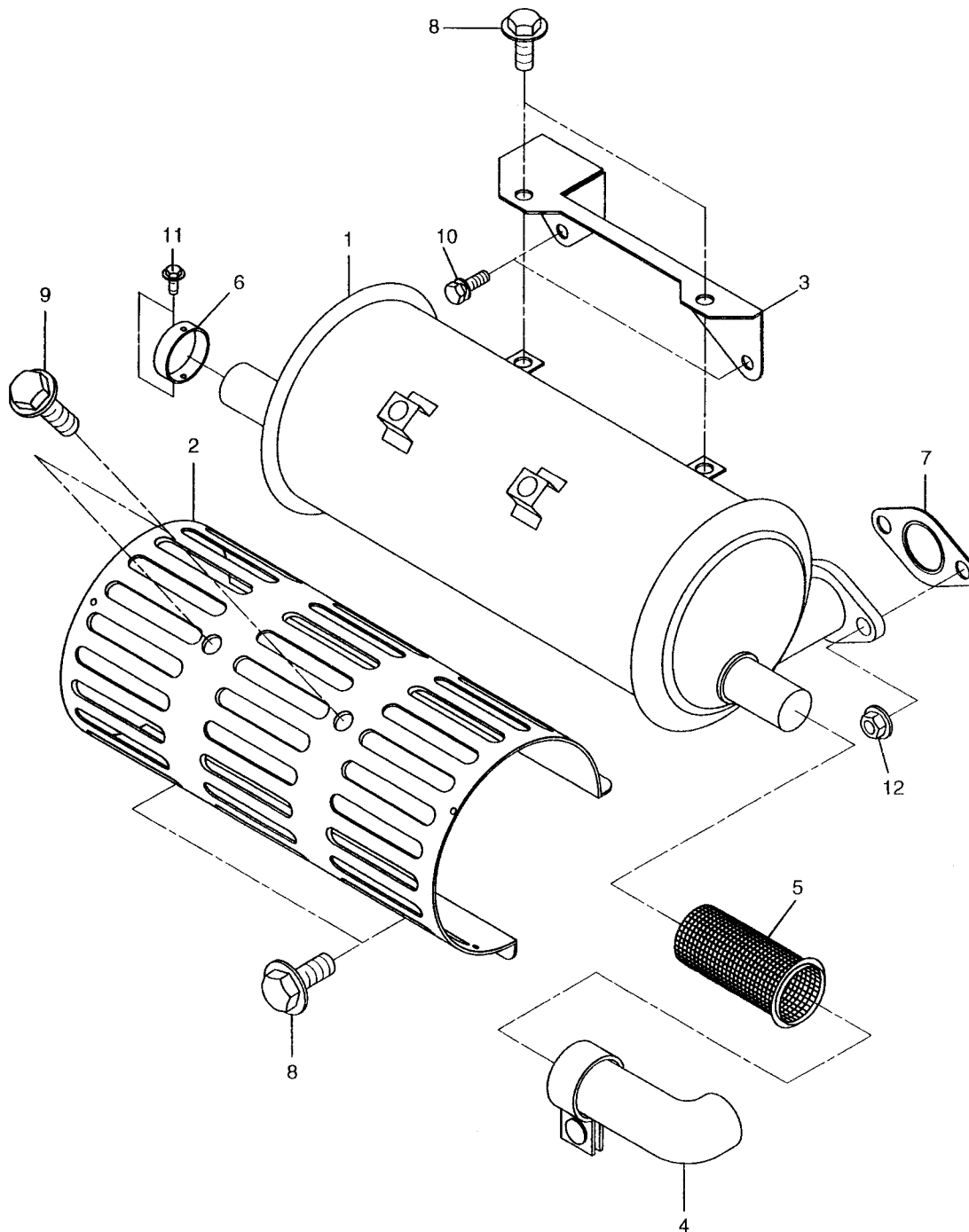
SECTION 9

STARTING MOTOR GROUP - OLD STYLE

[illegible]

SECTION 10 ACCESSORY - MUFFLER, TOP MOUNT, SIDE OUTLET

FIG. 1000

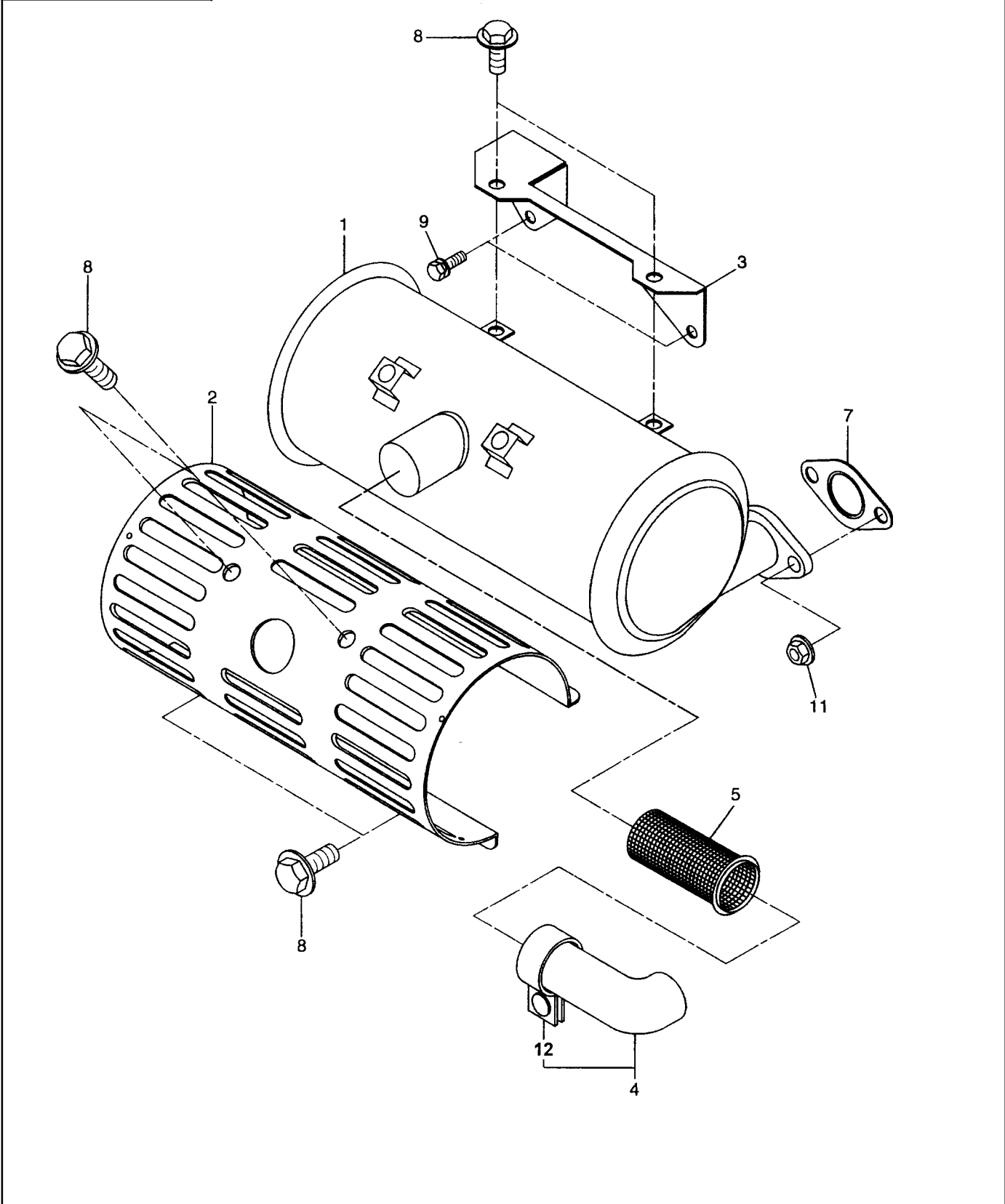


SECTION 10 ACCESSORY - MUFFLER, TOP MOUNT, SIDE OUTLET

[illegible]

SECTION 11 ACCESSORY - MUFFLER, TOP MOUNT, REAR OUTLET

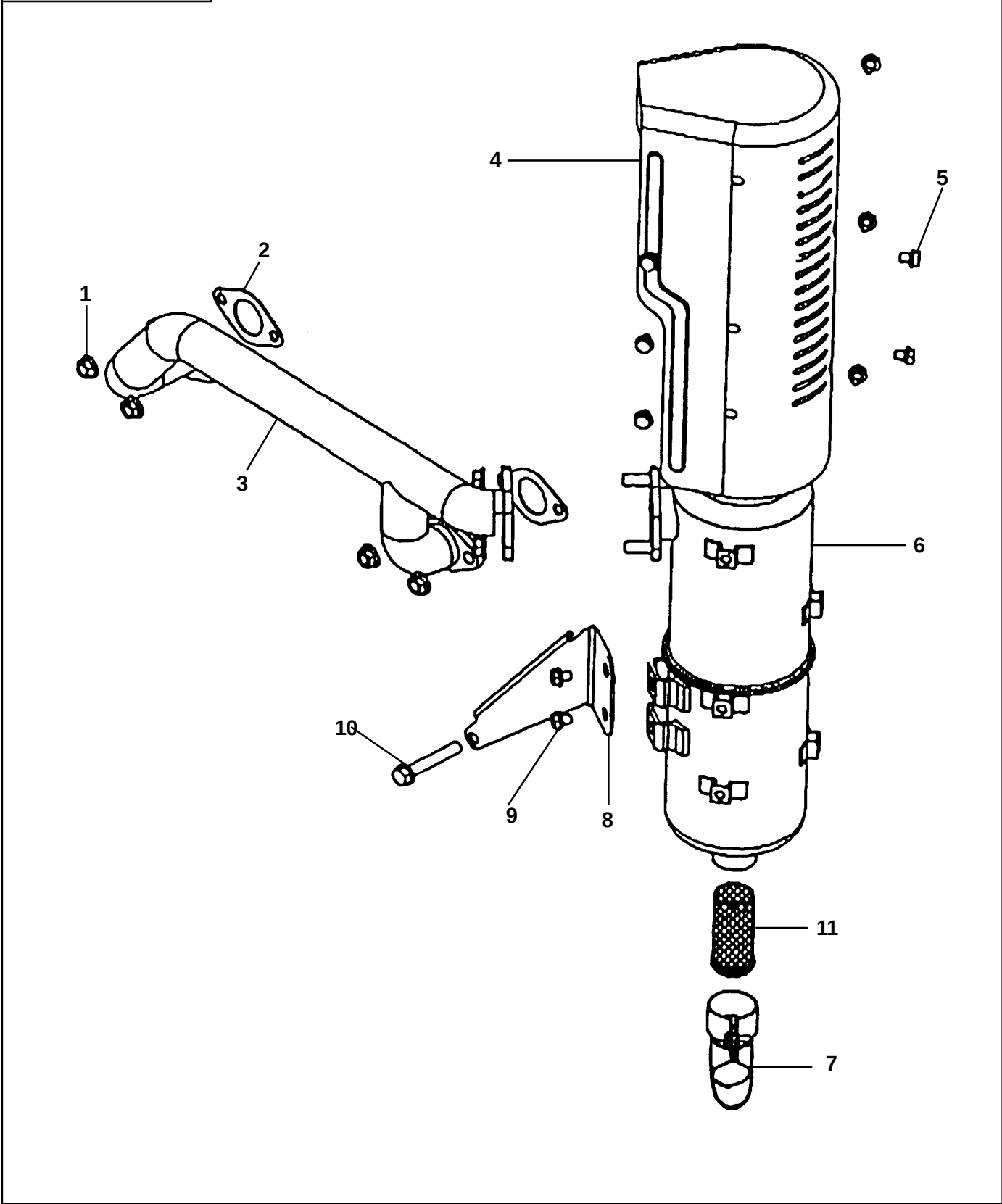
FIG. 1100



SECTION 11 ACCESSORY - MUFFLER, TOP MOUNT, REAR OUTLET

[illegible]

FIG. 1200



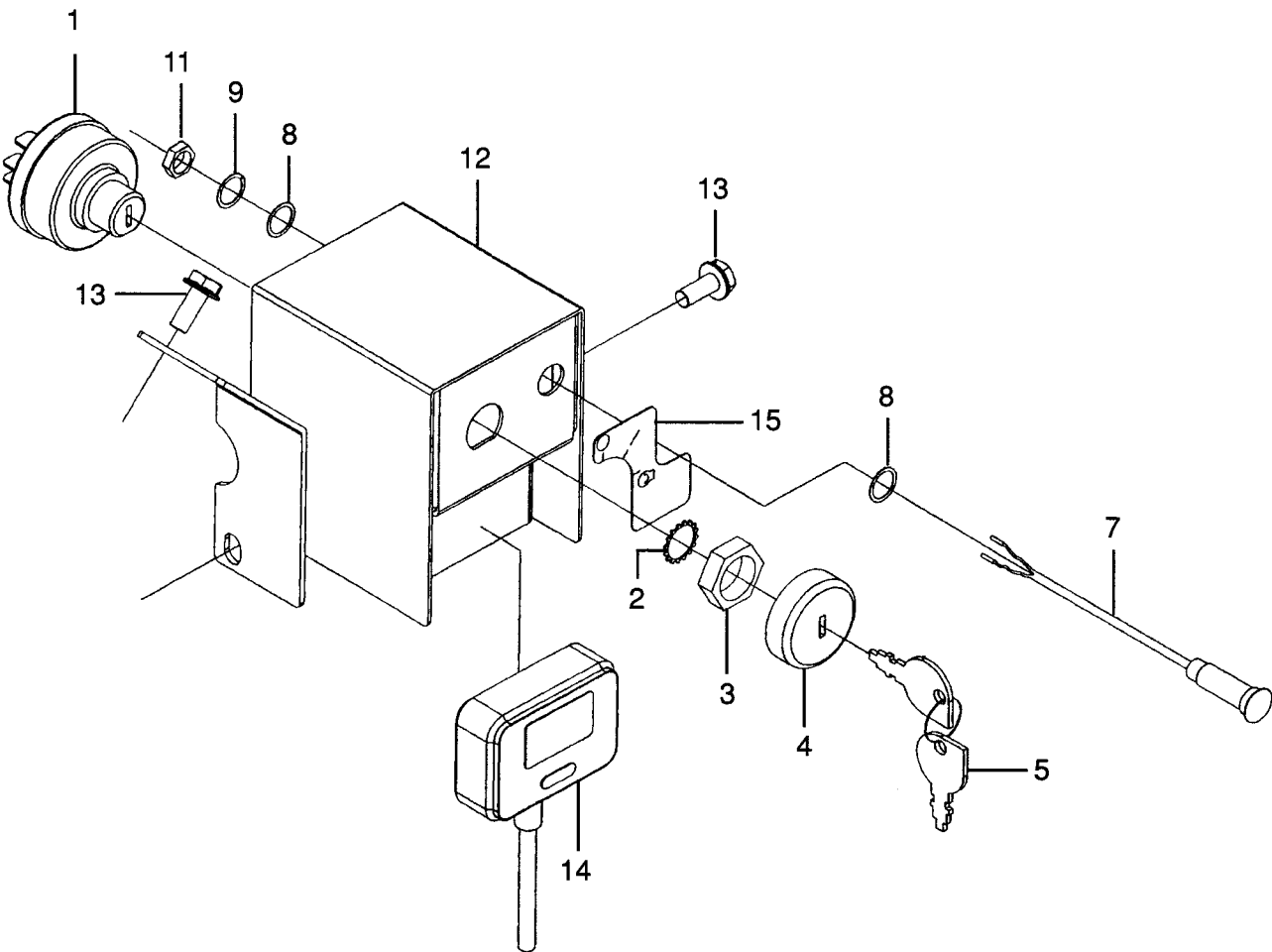
SECTION12

ACCESSORY - MUFFLER, SIDE MOUNT OIL FILTER SIDE

[illegible]

SECTION 13 KEY SWITCH with TACHOMETER/HOUR METER

FIG. 1300



SECTION13

KEY SWITCH with TACHOMETER/HOUR METER

[illegible]

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