

Robin Industrial Engines®

PARTS MANUAL

Model

EH170YS0900 GASOLINE

EH170YS7900 LPG

497P245



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

ROBIN

WISCONSIN ROBIN

SIDE VALVE

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

OVERHEAD VALVE

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

TWO CYCLE

EC13V	WT1-125V
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DIESEL

DY23	WRD1-230
DY27	WRD1-270
DY30	WRD1-300
DY35	WRD1-350
DY41	WRD1-410

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.

EH170YS0900
(SPECIFICATION #)

XXXX
(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 shroud.

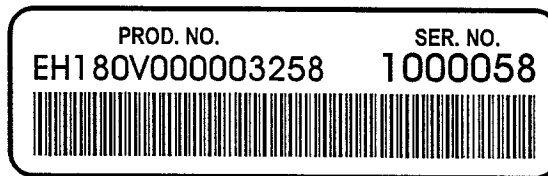


FIG. 1 CRANKCASE GROUP

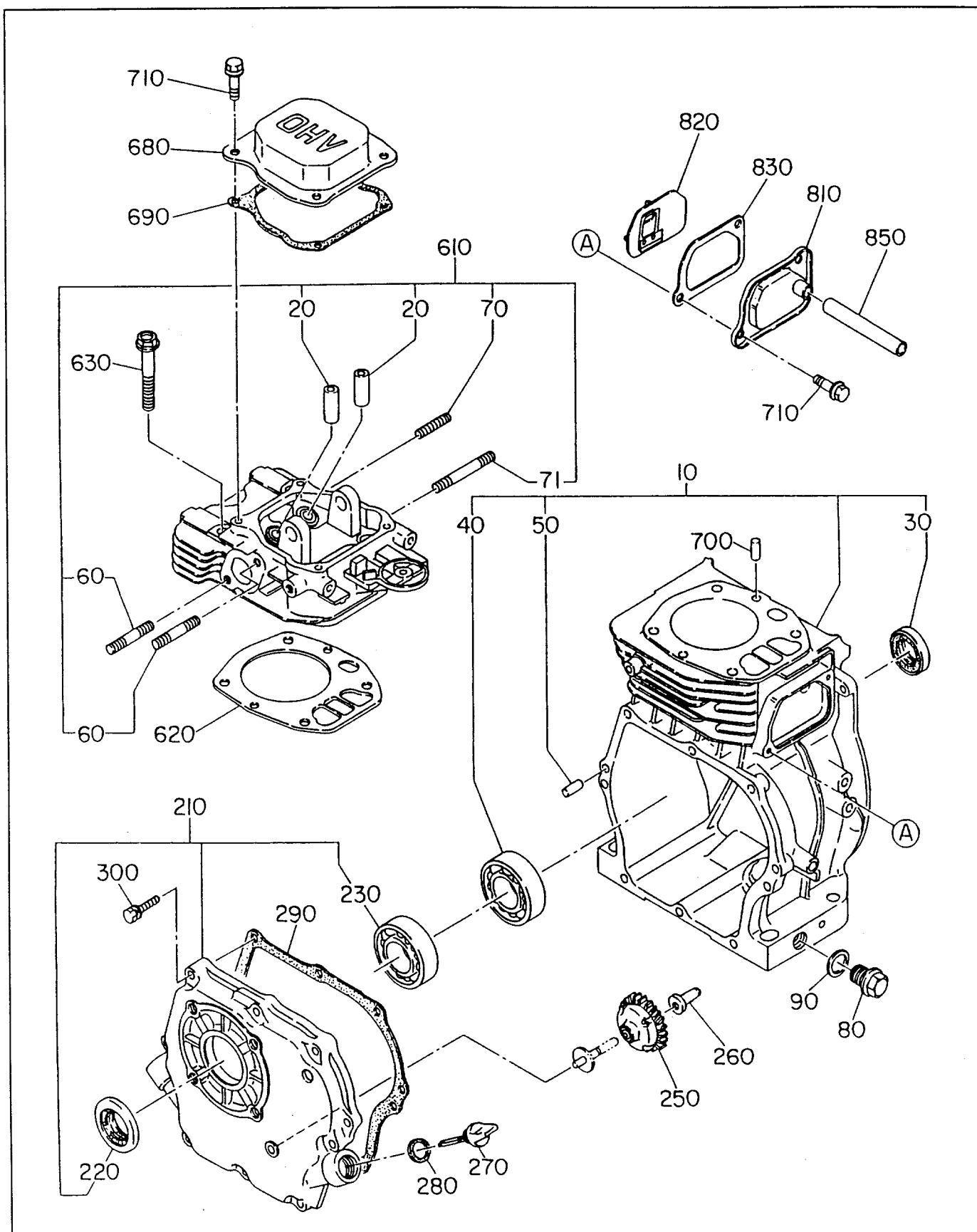


FIG. 1 CRANKCASE GROUP

[illegible]

FIG. 2 CRANKSHAFT and PISTON GROUP

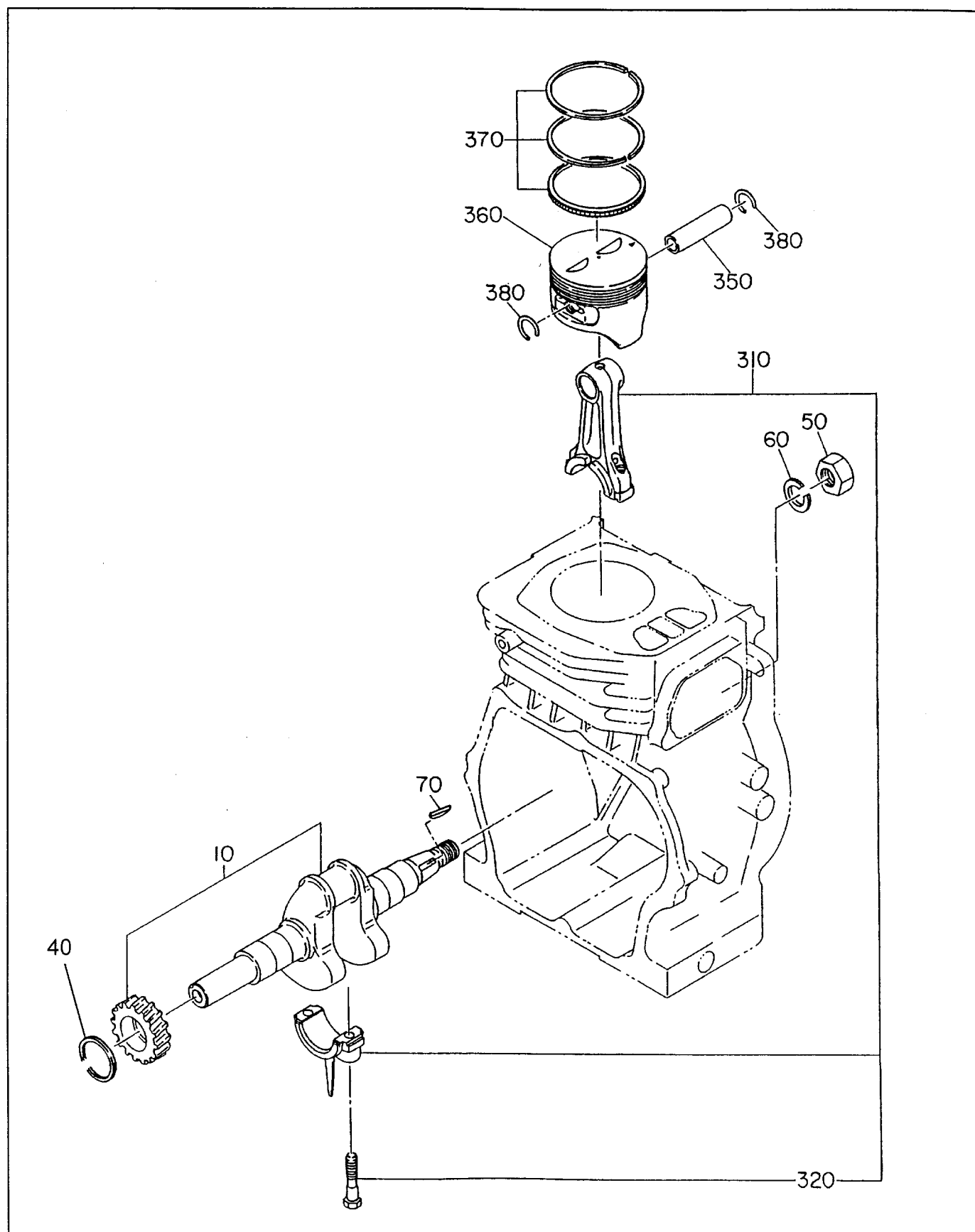


FIG. 2 CRANKSHAFT and PISTON GROUP

[illegible]

FIG. 3 INTAKE and EXHAUST GROUP

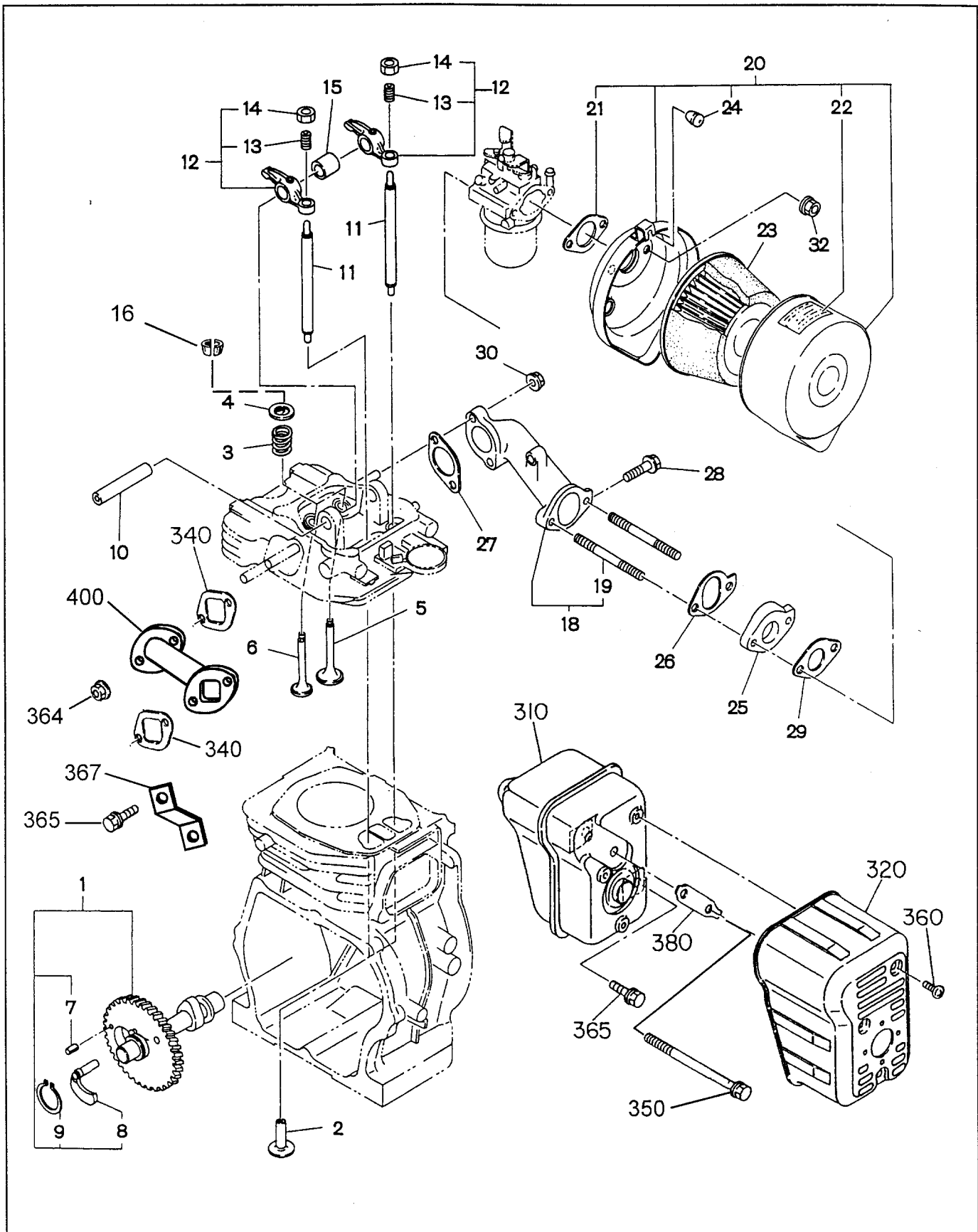


FIG. 3 INTAKE and EXHAUST GROUP

Ref.	Parts Number	Description	Qty
1	253-31701-01	CAMSHAFT CP	1
2	239-33301-03	TAPPET	2
3	237-33601-03	VALVE SPRING	2
4	237-33701-23	SPRING RETAINER	2
5	238-33401-33	INTAKE VALVE	1
6	238-33501-03	EXHAUST VALVE	1
7	005-19041-00	SPRING PIN	1
8	227-36401-03	RELEASE LEVER	1
9	003-15220-00	SNAP RING (OUTER)	1
10	237-35001-03	ROCKER SHAFT	1
11	253-35301-01	PUSH ROD CP	2
12	253-36101-00	ROCKER ARM AY	2
13	014-90800-21	ADJUSTING SCREW	2
14	017-00800-90	NUT	2
15	237-36120-13	SPACER	1
16	246-35501-03	VALVE KEEPERS	2
18	253-33001-01	INTAKE PIPE CP	1
19	010-50602-30	STUD	2
20	253-32614-10	AIR CLEANER AY	1
**	253-95302-13	LABEL, AIR CLEANER ID (not shown)	1
21	236-32630-08	PACKING	1
22	106-32738-08	LABEL	1
23	227-32610-07	ELEMENT SET	1
24	207-32690-08	GROMMET, AIR CLEANER	1
25	253-32901-03	INSULATOR	1
26	253-35901-03	GASKET 3(INSULATOR)	1
27	227-35901-03	GASKET(INSULATOR)	1
28	011-00601-30	FLANGE BOLT	1
29	236-35903-03	GASKET 2, INSULATOR	1
30	002-38060-00	FLANGE NUT	2
32	226-39212-00	NUT, AIR CLEANER	2
310	253-30101-01	MUFFLER CP	1
320	253-34201-01	MUFFLER COVER CP	1
340	236-35201-01	GASKET (MUFFLER)	2
350	010-00801-60	BOLT	2
360	015-20500-10	TAPPING SCREW	3
364	018-00800-10	FLANGE NUT	2
365	001-10081-60	FLANGE BOLT	2
367	253-37002-03	BRACKET, MUFFLER	1
380	236-36101-03	LOCK WASHER	1
400	253-34003-02	EXHAUST PIPE CP	1

FIG. 4 GOVERNOR, OPERATION GROUP

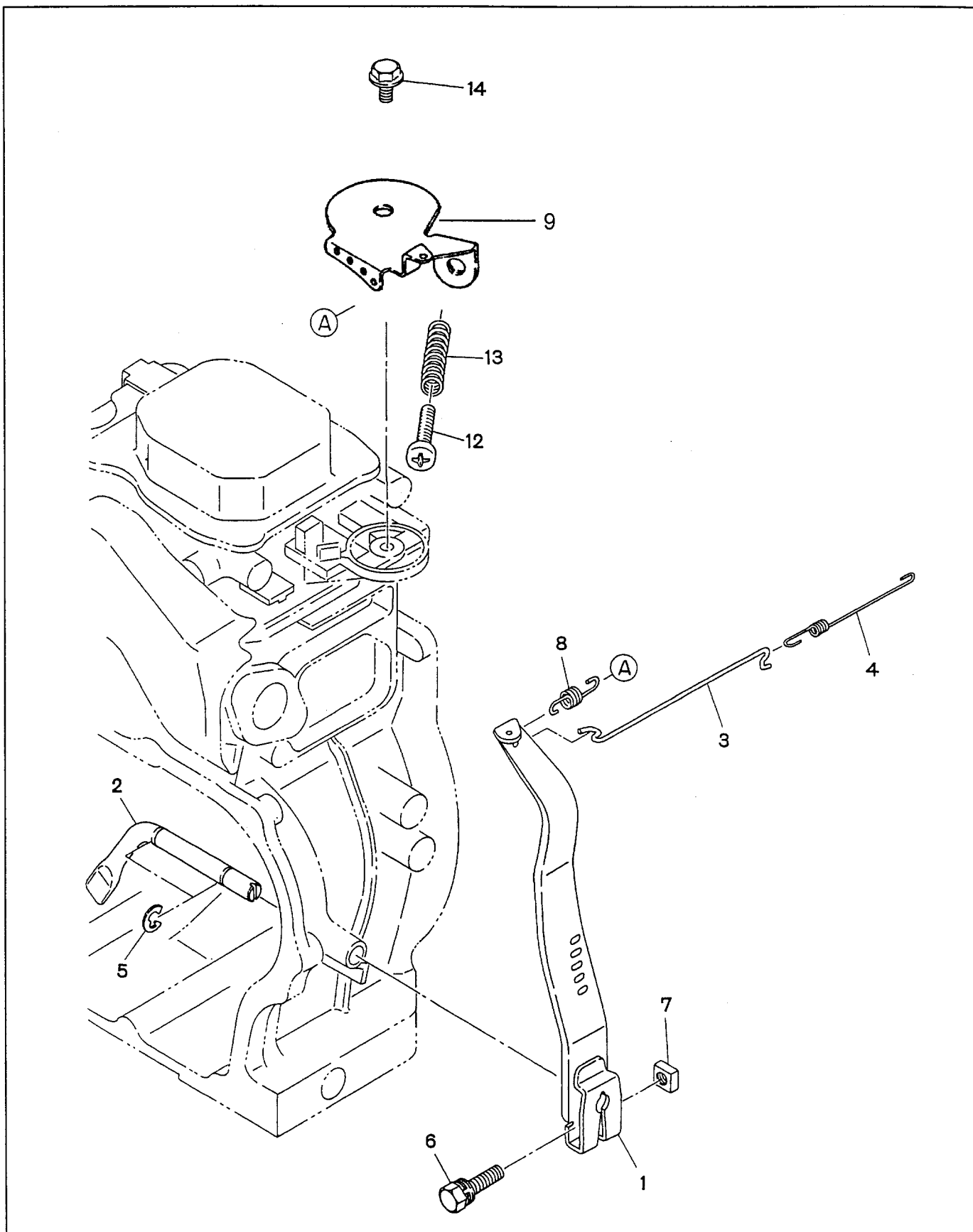


FIG. 4 GOVERNOR, OPERATION GROUP

[illegible]

This technical drawing is an exploded view of a mechanical assembly. The main components are shown in their relative positions as they would be assembled. The parts are numbered as follows:

- Top Assembly:** Includes a cap (30), a filter or mesh component (40), a bracket (45), a screw (46), and a rectangular plate (20).
- Central Housing:** A large, rectangular housing (10) with a central circular opening.
- Internal Components:** A valve or actuator assembly (50) is shown in two positions. One position is labeled 'A' with an arrow. Other components include a hose or tube (70), a filter or mesh (80), and a cap (90).
- Mounting Brackets:** Two L-shaped brackets (12 and 13) are shown, along with a long, thin plate (14) and a screw (110).
- Bottom Housing:** A large, curved housing (1) is shown, with a small rectangular plate (2) and a screw (3) attached to its side.
- Detail 'A':** A separate inset shows a detailed view of the valve assembly (50) with its various components labeled: a cap (6), a screw (13), a bracket (4), a valve body (1), a filter or mesh (2), and a cap (3).

FIG. 5 COOLING, STARTING GROUP

[illegible]

FIG. 6 CARBURETOR GROUP

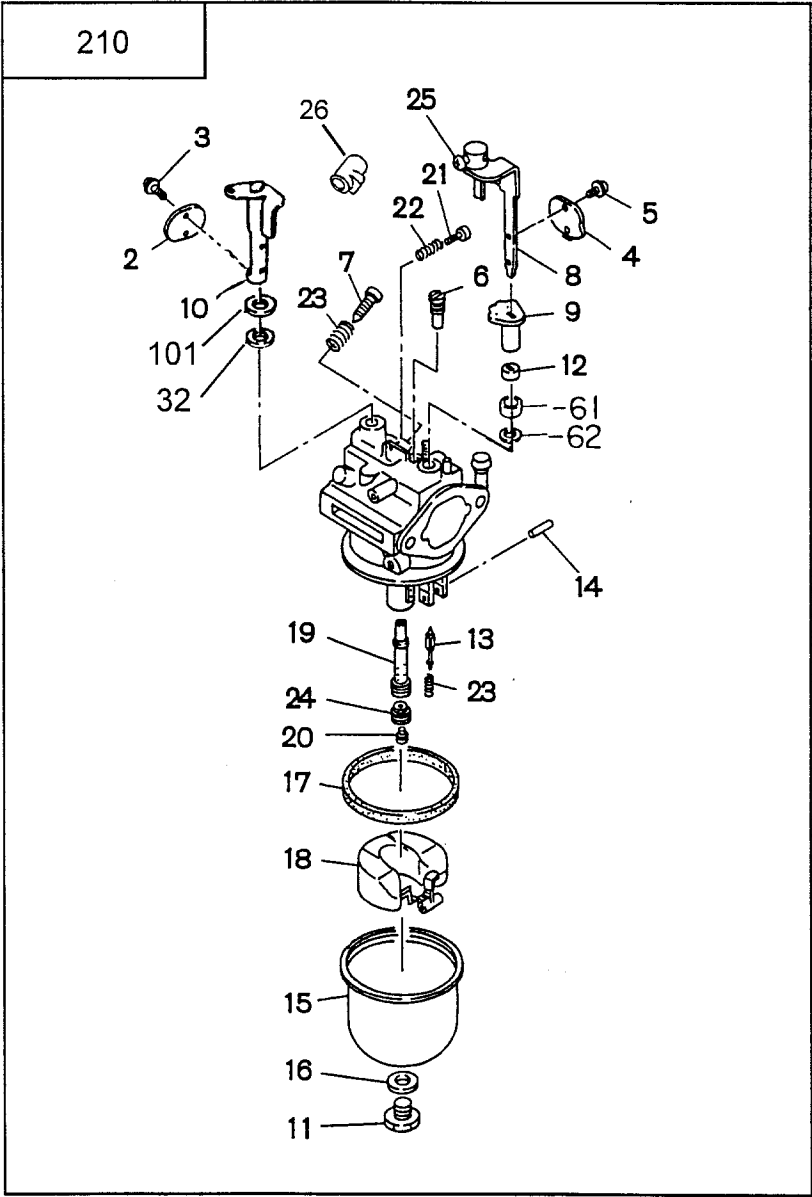


FIG. 6 CARBURETOR GROUP

[illegible]

FIG. 7 ELECTRICAL GROUP

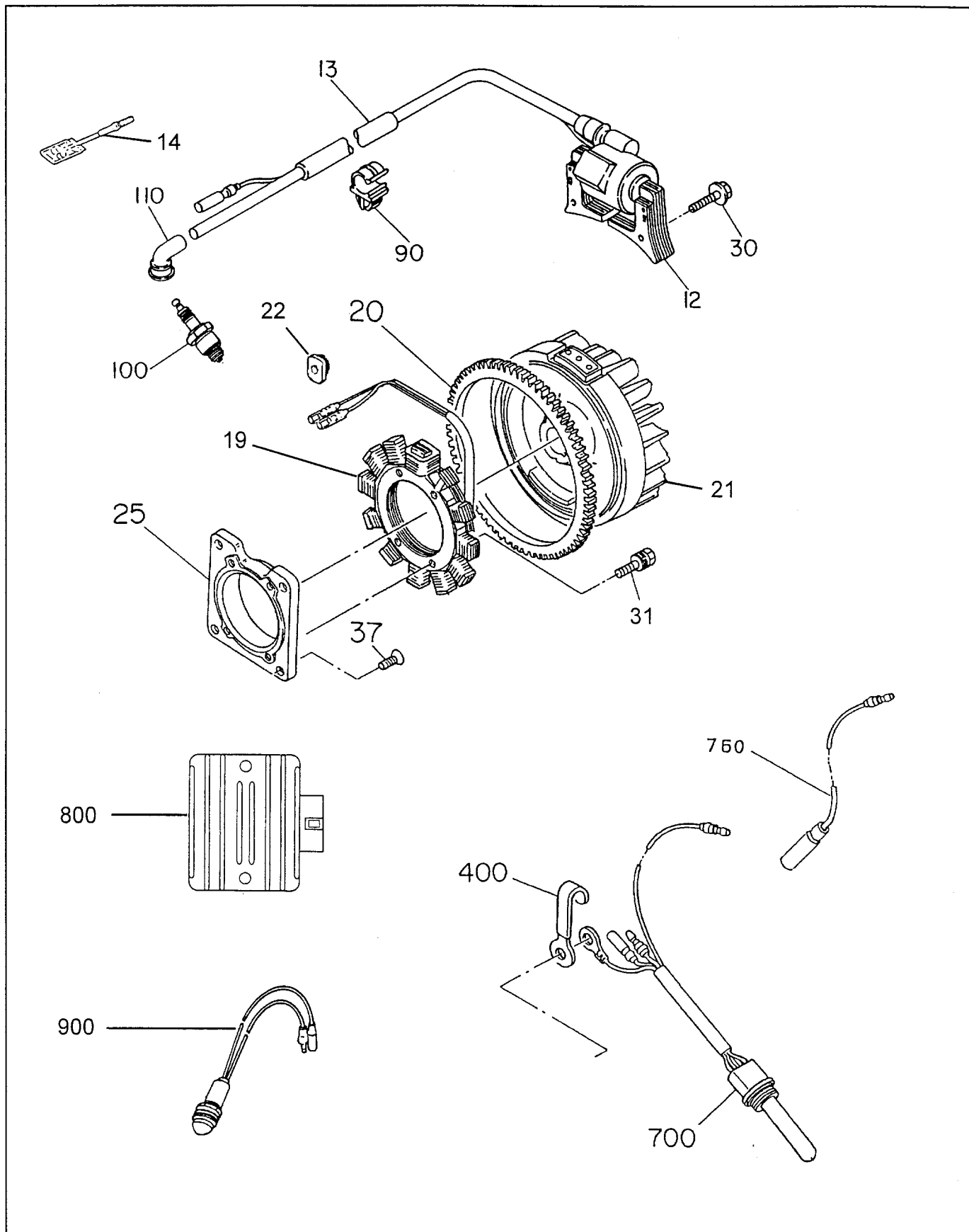


FIG. 7 ELECTRICAL GROUP

[illegible]

FIG. 8 STARTER GROUP

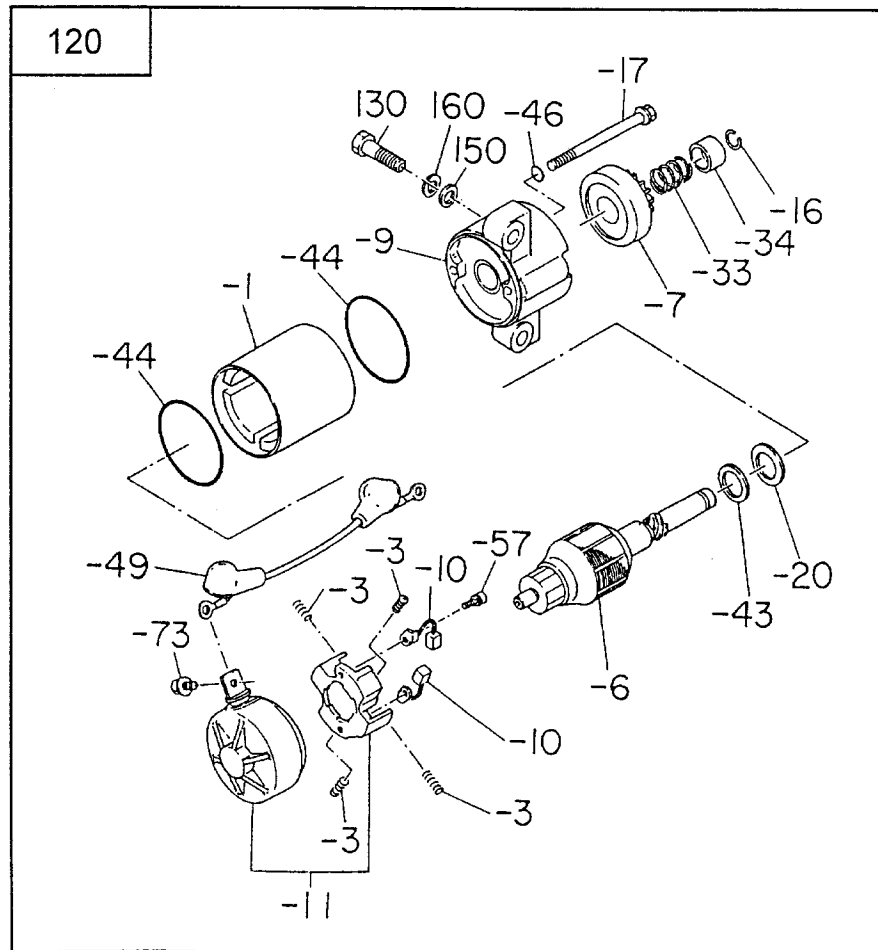
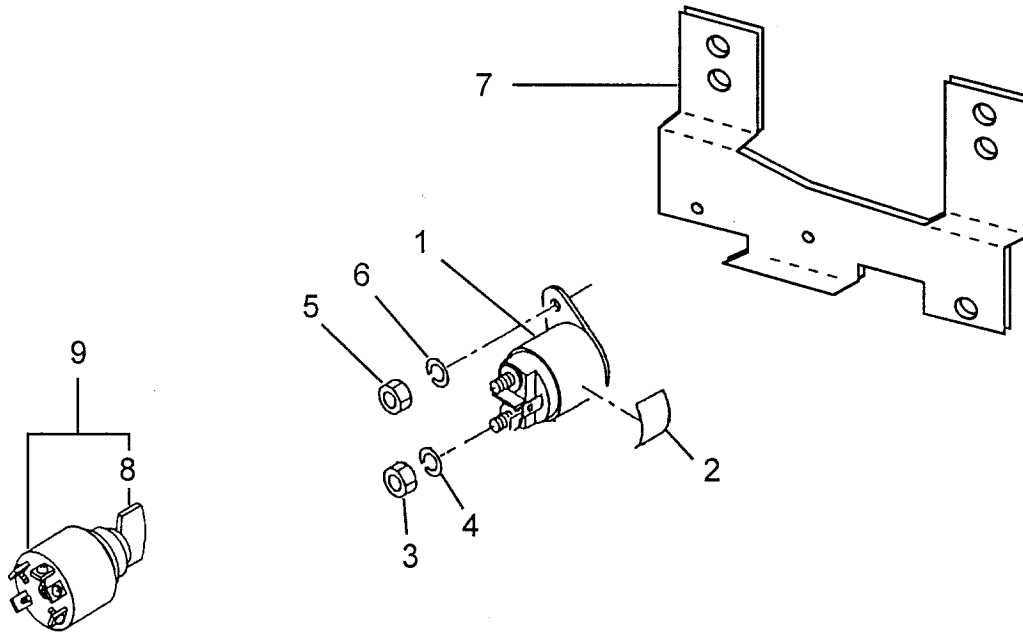


FIG. 8 STARTER GROUP

[illegible]

FIG. 9 LP FUEL GROUP

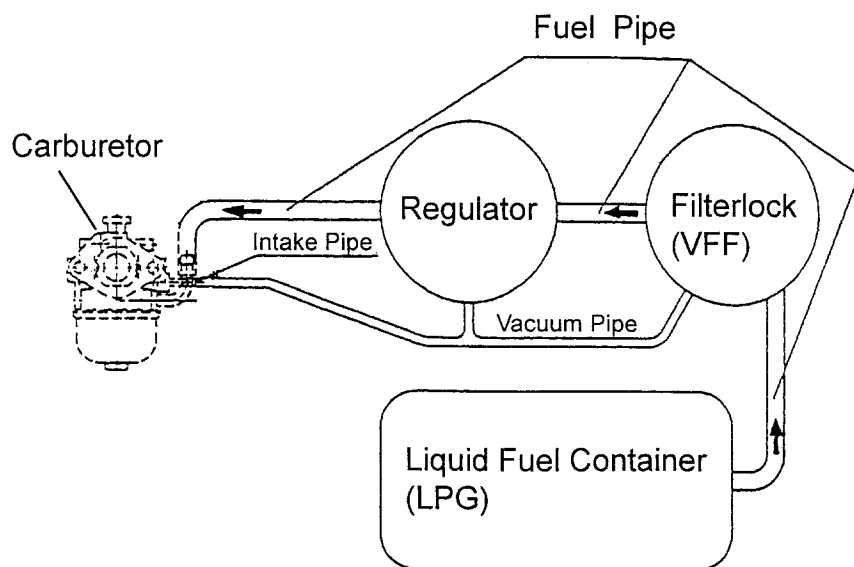
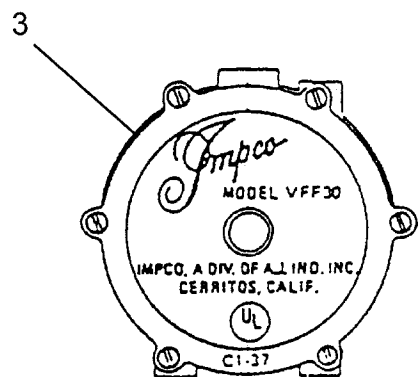
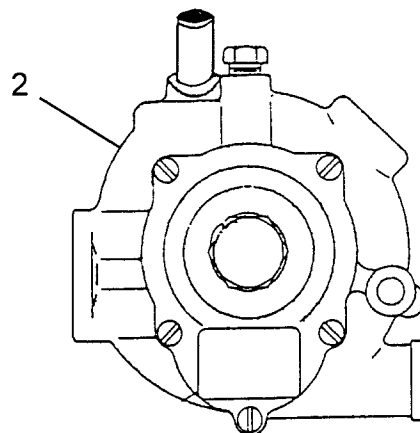
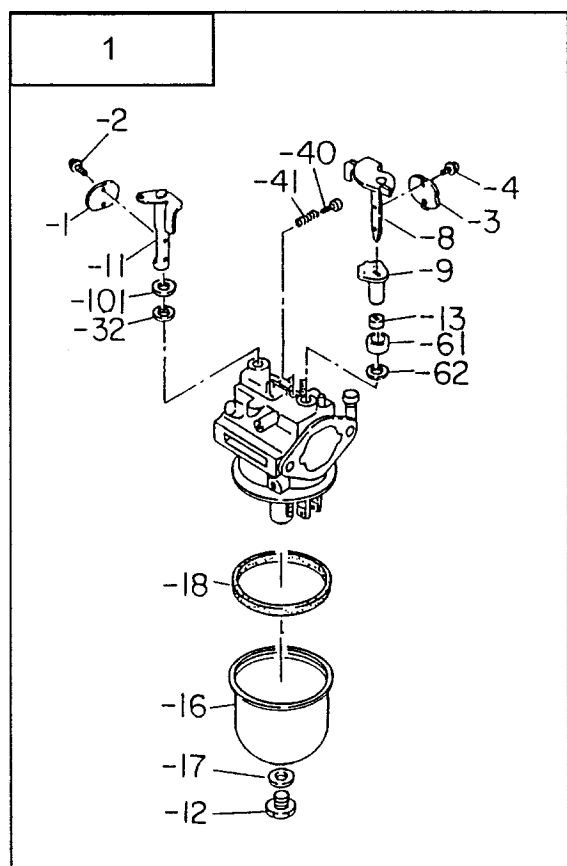


FIG. 9 LP FUEL GROUP

[illegible]

- NOTES -

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