

PARTS MANUAL

Models

**EH035
ENGINE**

PUB-EP5862
Rev. 06/04

Robin America, Inc.

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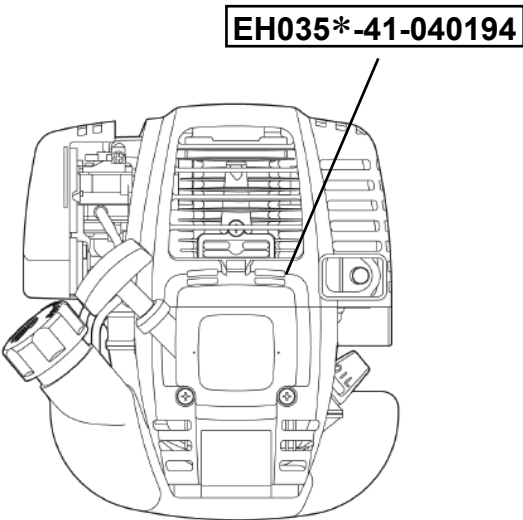
HOW TO USE THIS MANUAL

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.

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

Model / Serial No. Label

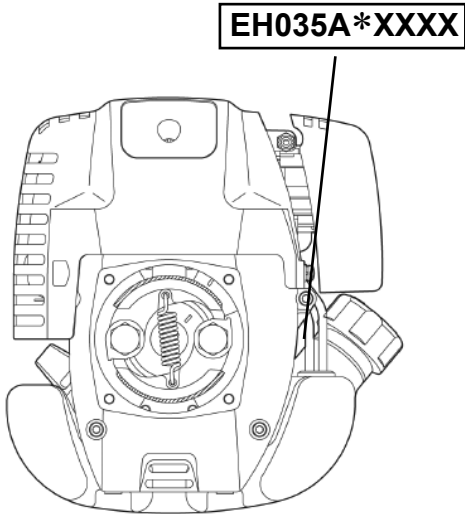


The Model / Serial Number Label has a 14 digit alphanumeric string that consists of the MODEL number (5 digits) and the SERIAL number (6 digits). Please note the illustration below:

E H 0 3 5 * - □ □ - X X X X X X

MODEL NO. (5 digits) SERIAL NO. (6 digits)

Specification No. Label

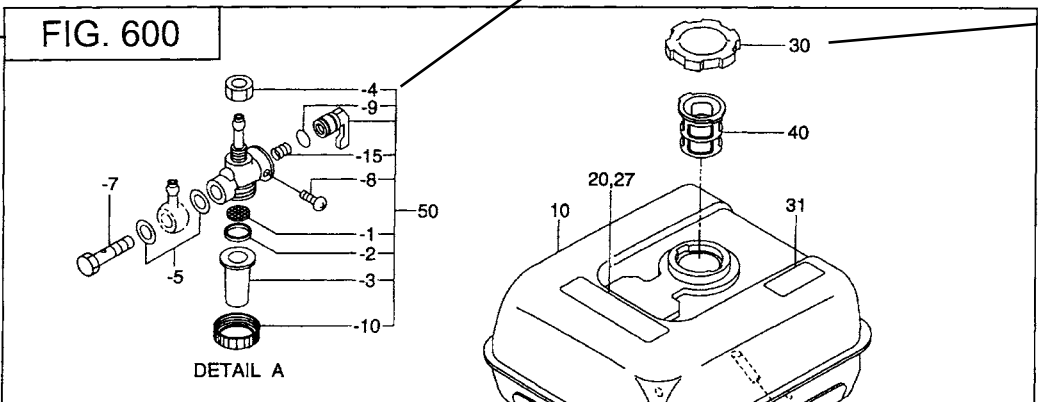


The Specification Number Label has a 11 digit alphanumeric string that consists of the MODEL number (5 digits) and the SPECIFICATION number (6 digits). Please note that Robin America specifications use the letters "X" in place of the asterisk symbol. See example below:

E H 0 3 5 A X 0 0 0 0

MODEL NO. (5 digits) SPECIFICATION NO. (6 digits)

MANUAL LAYOUT

1 — SECTION 6 FUEL GROUP																																																																																			
2 — FIG. 600																																																																																			
																																																																																			
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<table border="1"> <thead> <tr> <th>REF.</th><th>PART NO.</th><th>DESCRIPTION</th><th>QTY.</th><th>REMARKS</th><th>FROM-TO</th><th>FIG.</th></tr> </thead> <tbody> <tr> <td>10</td><td>267-60103-01</td><td>FUEL TANK CP</td><td>1</td><td>YD, YS TYPE, BLACK</td><td></td><td>600</td></tr> <tr> <td></td><td>267-60101-01</td><td>FUEL TANK CP</td><td>1</td><td>YELLOW</td><td></td><td>600</td></tr> <tr> <td>27</td><td>073-20039-00</td><td>LABEL, WARNING</td><td>1</td><td>YD, YS TYPE</td><td></td><td>600</td></tr> <tr> <td>30</td><td>043-04300-15</td><td>FUEL TANK CAP CP</td><td>1</td><td></td><td></td><td>600</td></tr> <tr> <td>31</td><td>267-95201-03</td><td>LABEL, EMISSION</td><td>1</td><td>YD, YS TYPE</td><td></td><td>600</td></tr> <tr> <td>40</td><td>064-13600-10</td><td>FUEL FILTER</td><td>1</td><td></td><td></td><td>600</td></tr> <tr> <td>50</td><td>064-20021-01</td><td>FUEL STRAINER AY</td><td>1</td><td></td><td></td><td>600</td></tr> <tr> <td>-1</td><td>064-20002-20</td><td>FILTER</td><td>1</td><td></td><td></td><td>600</td></tr> <tr> <td>-2</td><td>064-20002-30</td><td>GASKET</td><td>1</td><td></td><td></td><td>600</td></tr> <tr> <td>-3</td><td>064-20019-10</td><td>CUP</td><td>1</td><td></td><td></td><td>600</td></tr> </tbody> </table>							REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.	10	267-60103-01	FUEL TANK CP	1	YD, YS TYPE, BLACK		600		267-60101-01	FUEL TANK CP	1	YELLOW		600	27	073-20039-00	LABEL, WARNING	1	YD, YS TYPE		600	30	043-04300-15	FUEL TANK CAP CP	1			600	31	267-95201-03	LABEL, EMISSION	1	YD, YS TYPE		600	40	064-13600-10	FUEL FILTER	1			600	50	064-20021-01	FUEL STRAINER AY	1			600	-1	064-20002-20	FILTER	1			600	-2	064-20002-30	GASKET	1			600	-3	064-20019-10	CUP	1			600
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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.

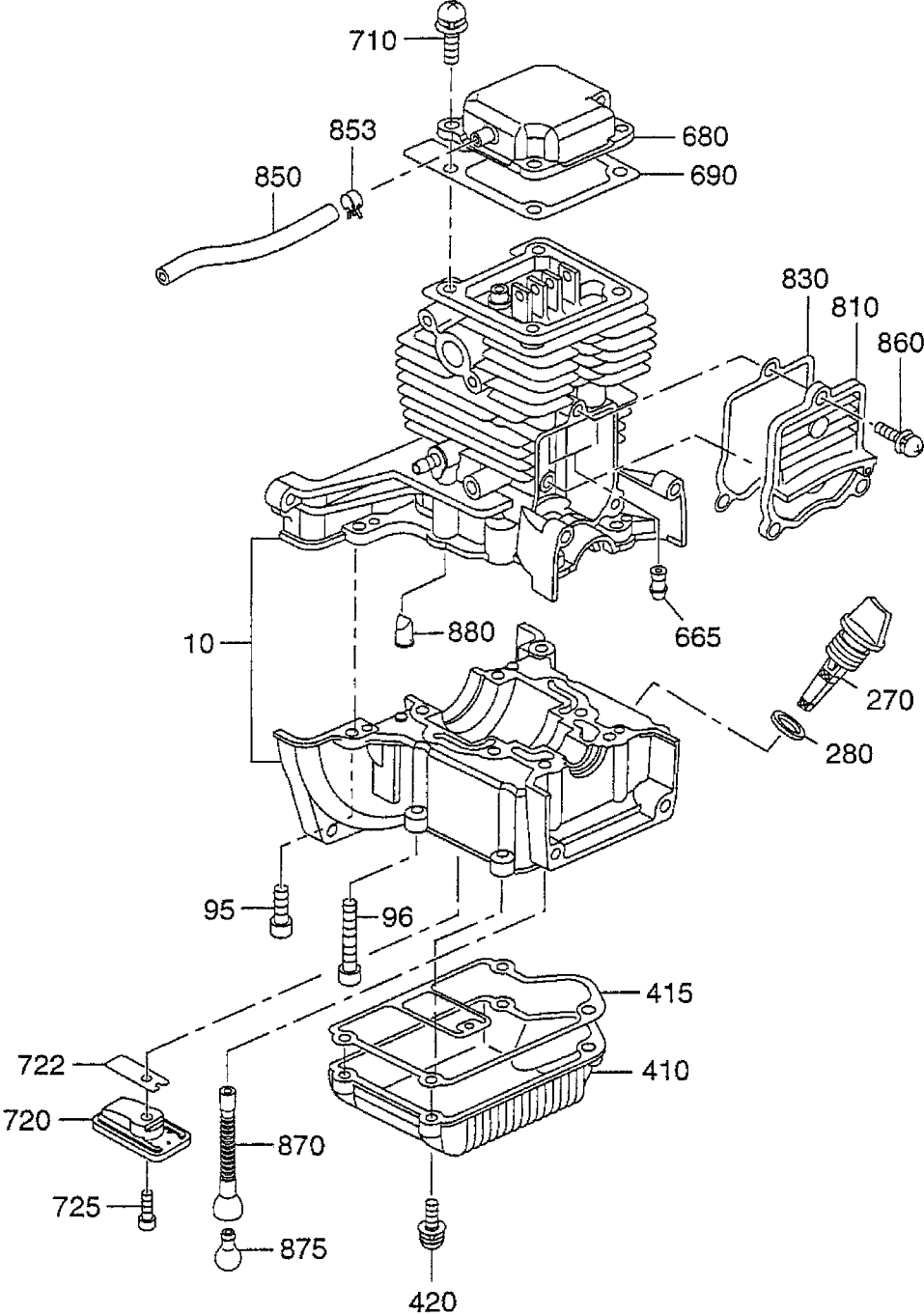
GROUP INDEX

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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

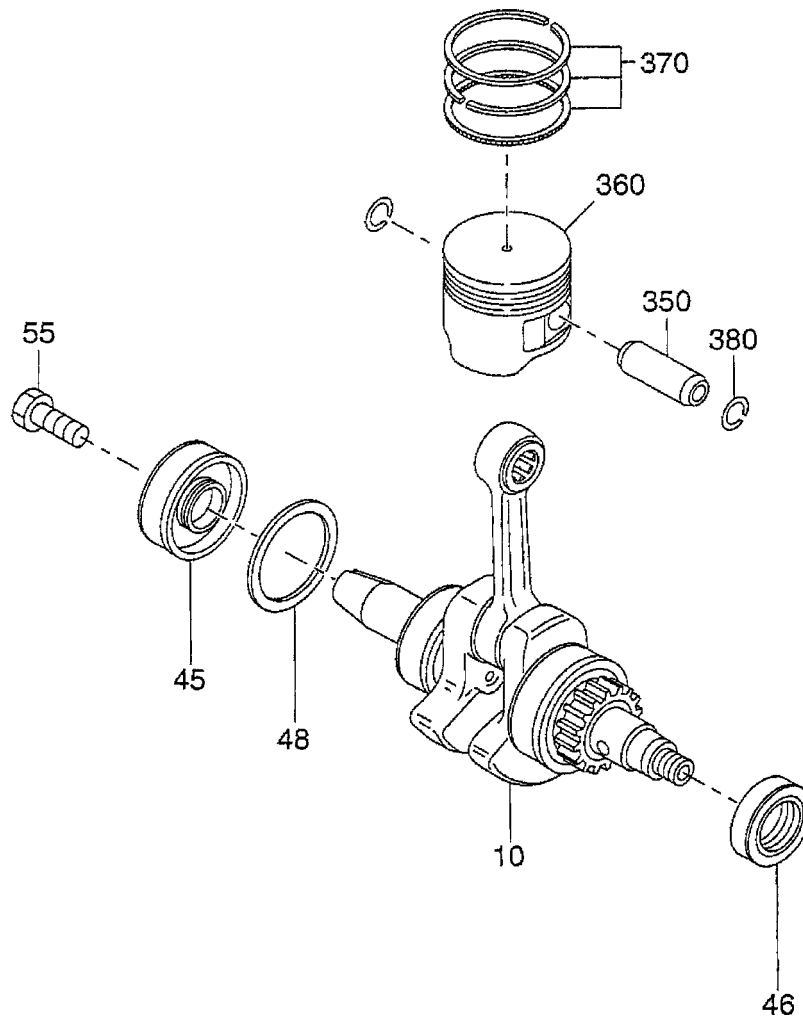


SECTION 1 CRANKCASE GROUP

[illegible]

SECTION 2 CRANKSHAFT, PISTON GROUP

FIG. 200



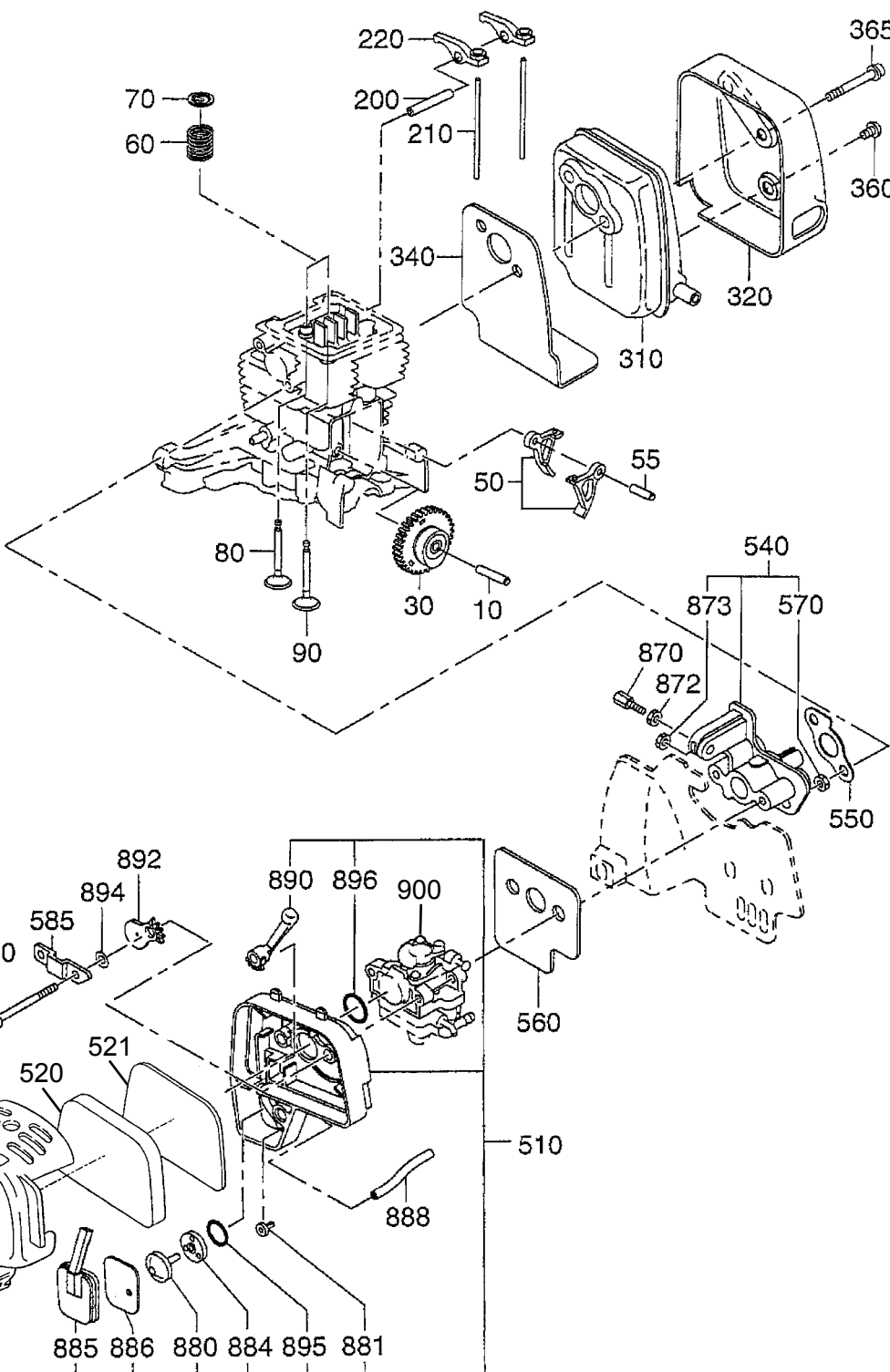
SECTION 2 CRANKSHAFT, PISTON GROUP

[illegible]

SECTION 3

INTAKE and EXHAUST GROUP

FIG. 300

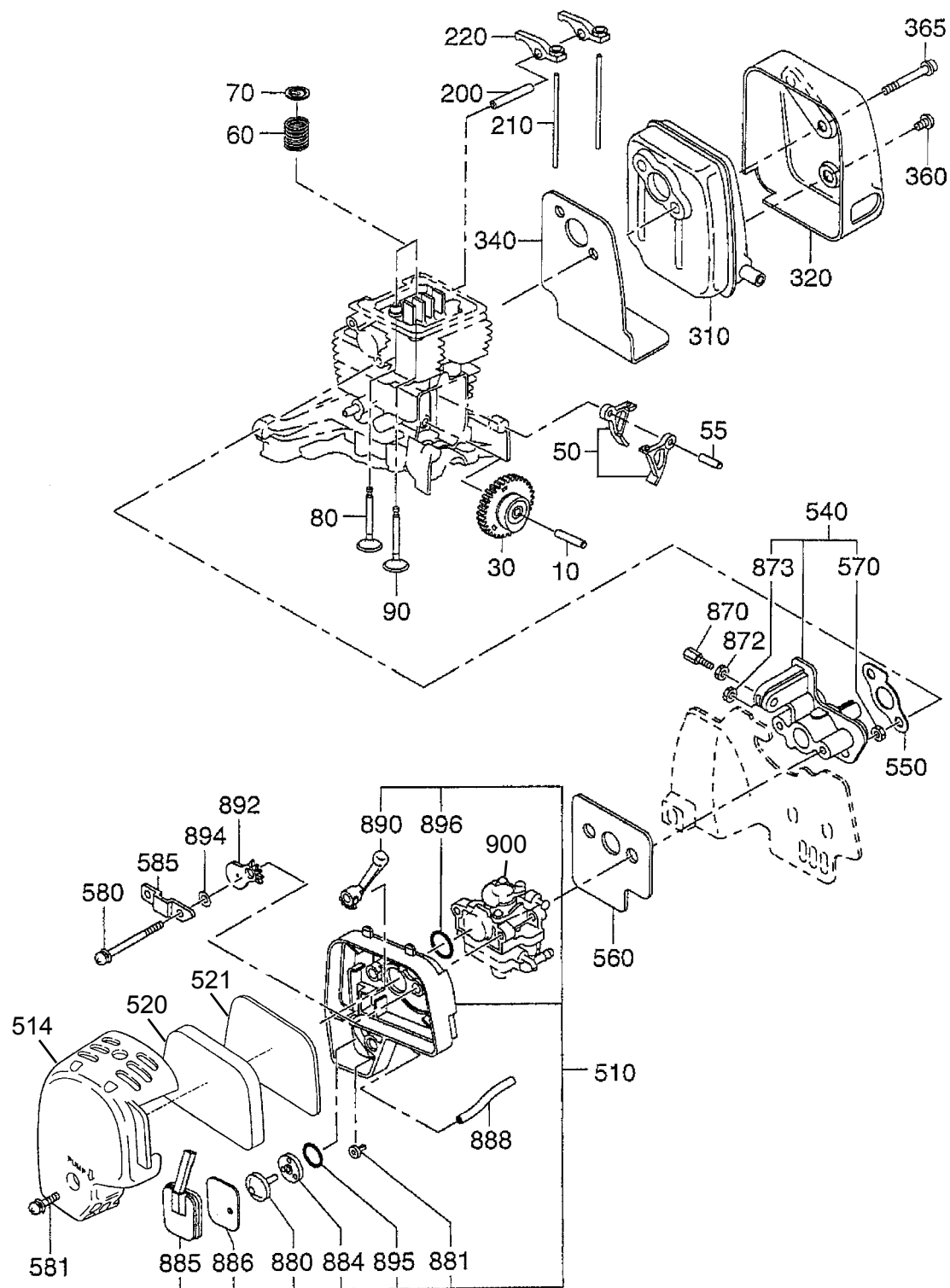


SECTION 3 INTAKE and EXHAUST GROUP

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
10	592-35005-01	CAMGEAR SHAFT	1			300
30	593-30030-00	CAMGEAR AY	1			300
50	592-35000-01	CAMLIFTER	1			300
55	592-35006-00	CAMLIFTER SHAFT	1			300
60	593-35002-00	VALVE SPRING	2			300
70	593-35003-00	RETAINER SPRING	2			300
80	593-35005-00	INTAKE VALVE	1			300
90	593-35004-00	EXHAUST VALVE	1			300
200	593-35001-00	ROCKER SHAFT	1			300
210	593-35000-00	PUSH ROD	2			300
220	593-30020-00	ROCKER ARM AY	2			300
310	592-30010-00	MUFFLER	1			300
320	592-35034-00	MUFFLER COVER	1			300
340	592-35016-01	GASKET, MUFFLER	1			300
360	014-00599-62	SCREW	1			300
365	011-90595-20	SOCKET HEAD BOLT	2			300
510	593-30010-00	CLEANER PLATE AY	1			300
514	593-35008-00	AIR CLEANER COVER	1			300
520	593-35012-00	ELEMENT, foam	1			300
521	593-35009-00	ELEMENT, felt	1			300
540	592-30050-01	INSULATOR	1			300
550	592-35018-01	GASKET, INSULATOR	1			300
560	592-35019-00	GASKET, CARBURETOR	1			300
570	017-00599-80	NUT	2			300
580	592-35031-00	SCREW	2			300
581	014-00594-80	SCREW	1			300
585	592-35026-00	PLATE	1			300
870	014-90699-72	ADJUST SCREW	1	EH035AX0303 Phat Boy		300
			1	EH035AX0304		300
			1	EH035AX0305		300
			1	EH035AX0306		300
			1	EH035AX0307		300
870	014-90699-61	ADJUST SCREW	1	EH035AX0302		300
			1	EH035AX0308 Zooma - APP		300
			1	EH035AX0309 Mosquito / Apache		300
872	002-27060-00	NUT	1			300
873	002-27060-00	NUT	1			300
880	531-65007-01	CHECK VALVE	1			300
881	592-35024-00	CHECK VALVE, 1	1			300
884	592-35025-00	PLATE, CHECK VALVE	1			300
885	593-35016-00	PLATE SEPARATOR	1			300
886	592-35035-00	GASKET, SEPARATOR	1			300
888	592-35030-01	PIPE	1			300
890	592-35022-00	CHOKE LEVER	1			300
892	592-35023-01	CHOKE PLATE	1			300
894	021-30699-90	GASKET	1			300

SECTION 3 INTAKE and EXHAUST GROUP

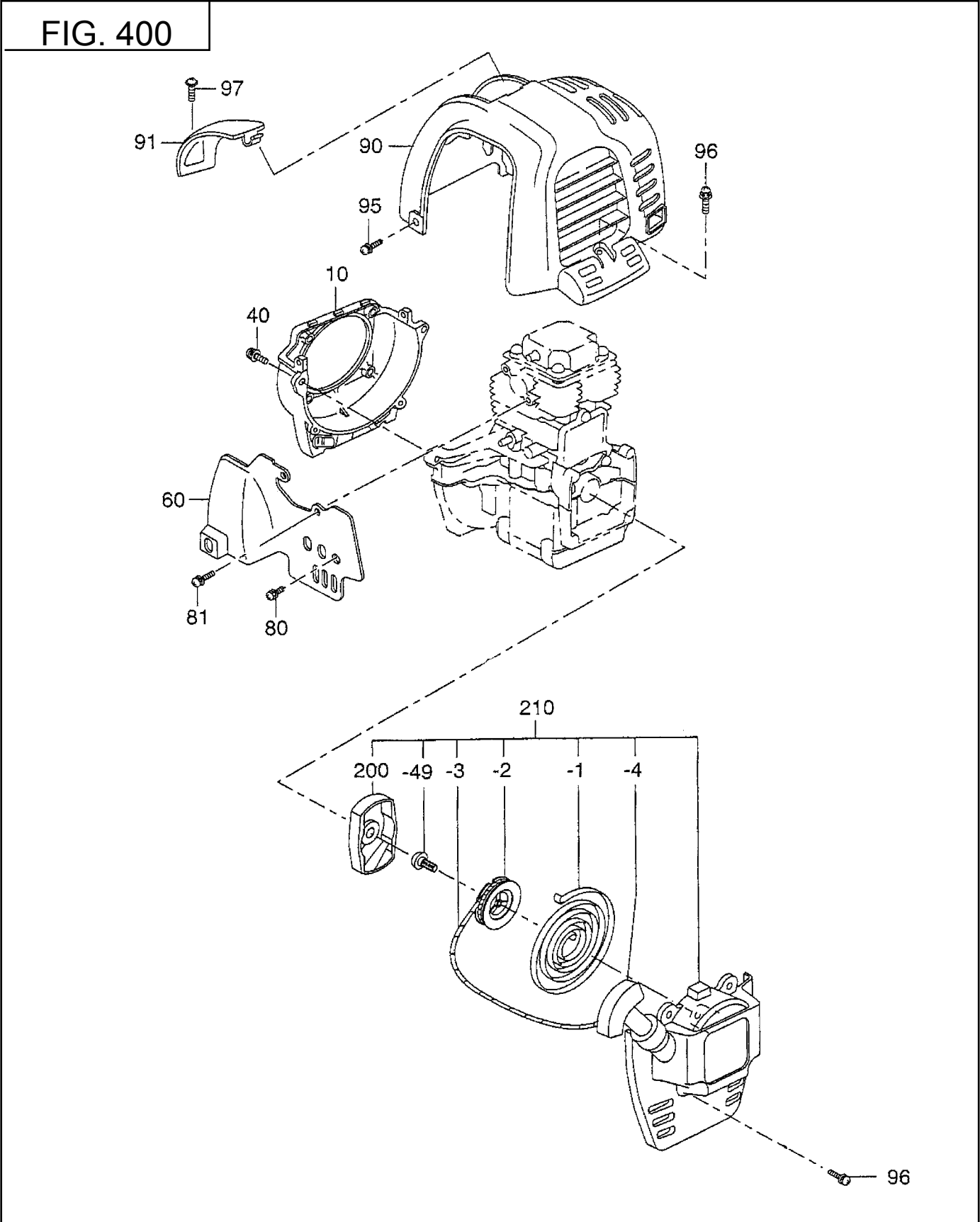
FIG. 300



SECTION 3 INTAKE and EXHAUST GROUP

[illegible]

SECTION 4 COOLING and STARTING GROUP

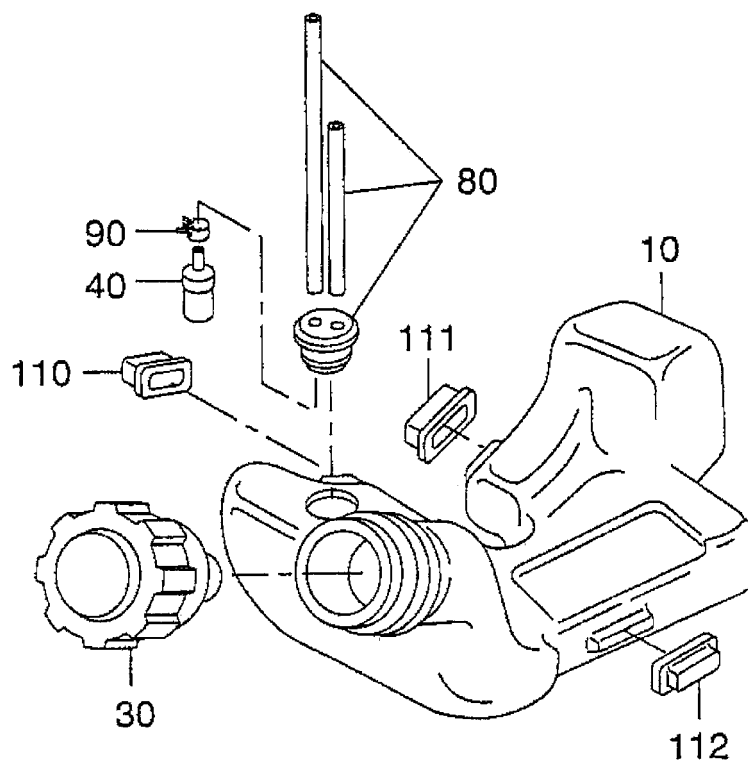


SECTION 4 COOLING and STARTING GROUP

[illegible]

SECTION 5 FUEL LUBRICANT GROUP

FIG. 500

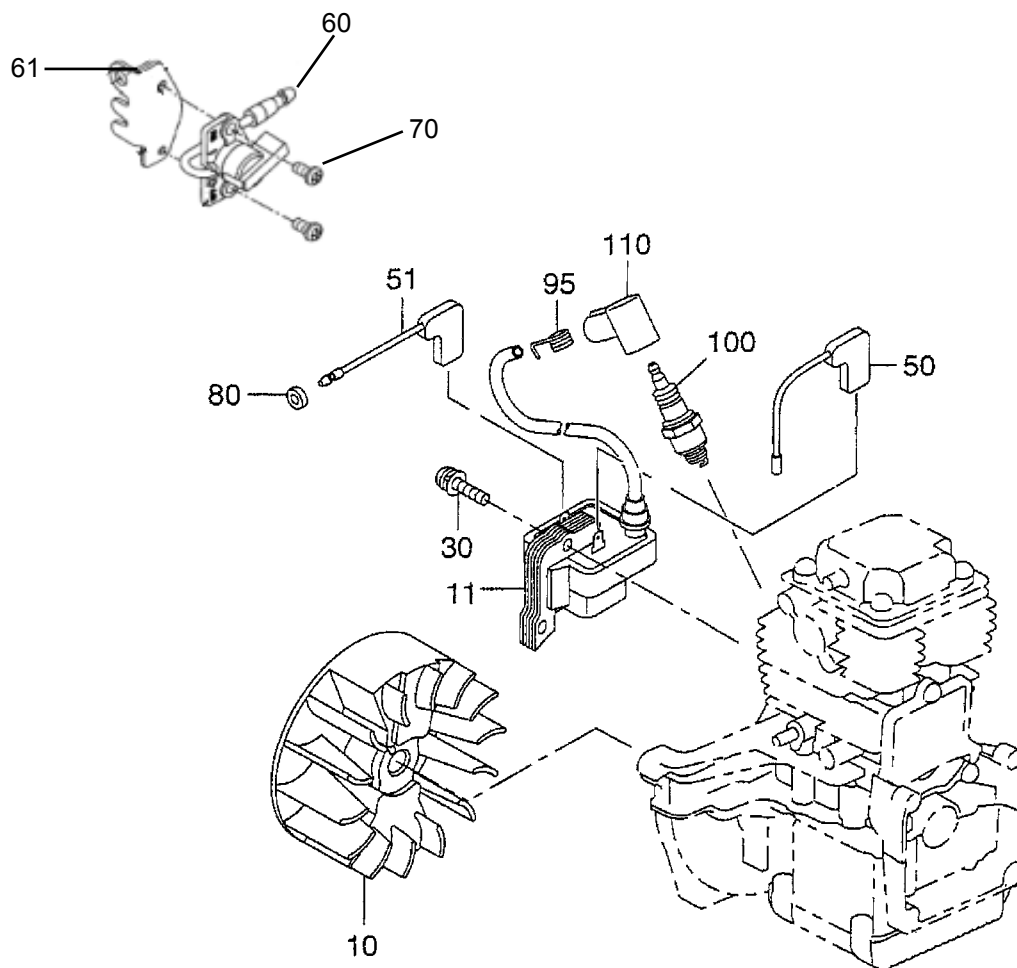


SECTION 5 FUEL LUBRICANT GROUP

[illegible]

SECTION 6 ELECTRIC DEVICE GROUP

FIG. 600

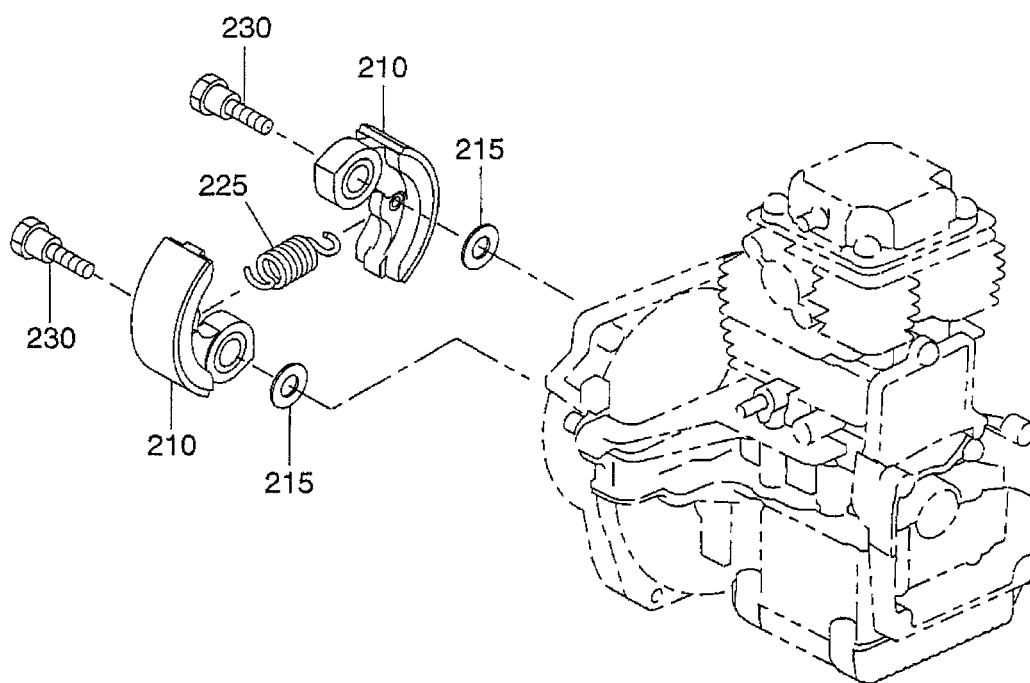


SECTION 6 ELECTRIC DEVICE GROUP

[illegible]

SECTION 7 CLUTCH GROUP

FIG. 700

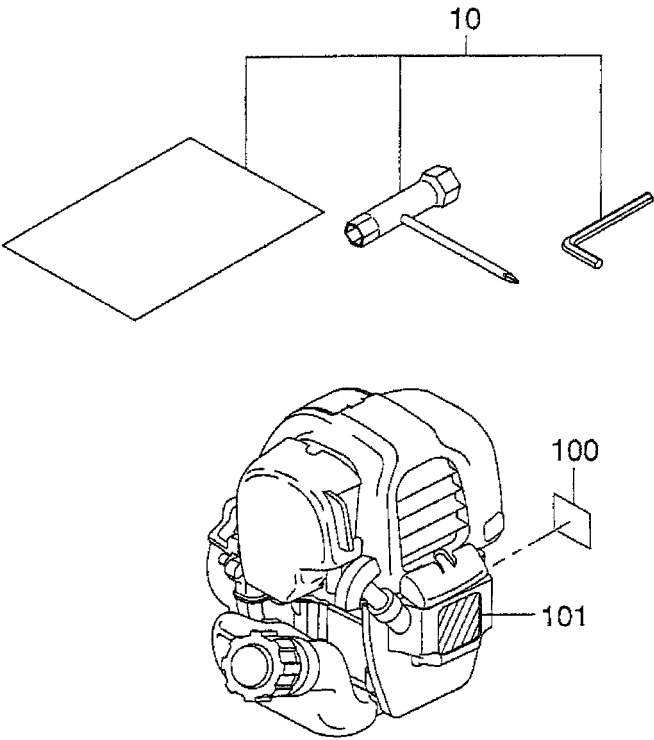


SECTION 7 CLUTCH GROUP

[illegible]

SECTION 8 ACCESSORY GROUP

FIG. 800



SECTION 8 ACCESSORY GROUP

[illegible]

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