



PARTS MANUAL

Model
EY20
ENGINE



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.

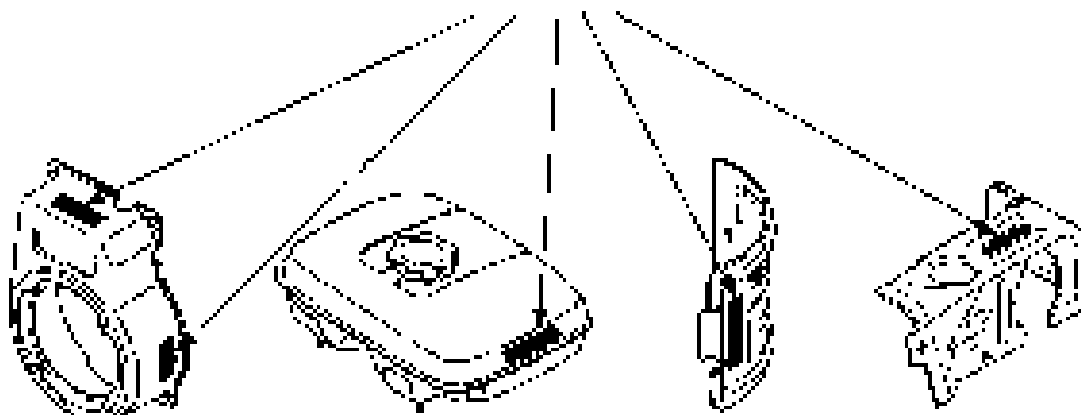
In order to identify the correct service part number, it is important to confirm the specification and code numbers for your engine. The specification and code number together are known as the PRODUCT NUMBER.

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

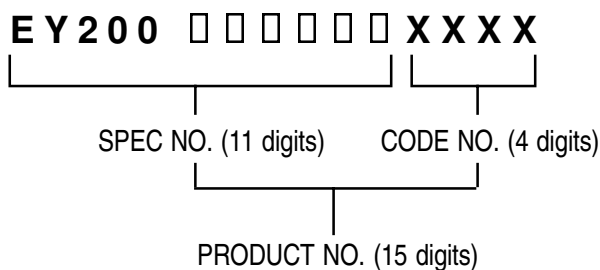
PRODUCT NUMBER LABEL



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:





①	SECTION 6 FUEL GROUP	④	③
②	FIG. 600		
①	SECTION 6 FUEL GROUP	⑥	⑦
③			
⑤			
④			

- SECTION NAME** Parts are broadly classified according to their functions. Refer to the Group Index (table of contents) for respective section name.
- 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).
- REF. No.** The Reference number identifies the part illustration with the corresponding part number in the part list.
- 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".
- PART NUMBER** It is the number assigned for sales unit. Use the PART No. when making an order.
- DESCRIPTION** It is designation of the part.
- QTY.** Quantity of each part used for each product.
- 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.
- 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.



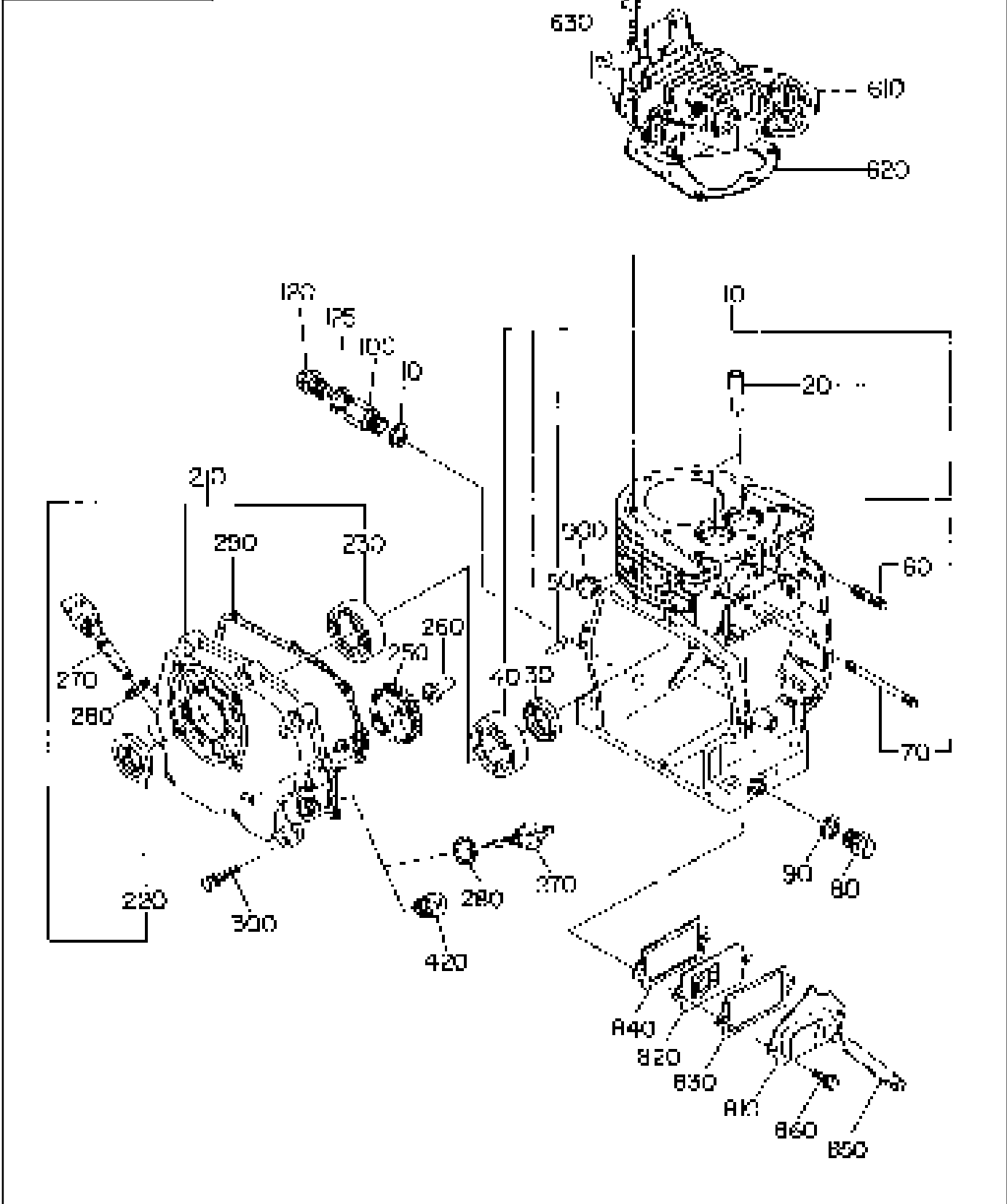
GROUP INDEX

Group Name	Page
CRANKCASE GROUP	6
CRANKSHAFT GROUP	8
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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



FIG. 100



REMARKS



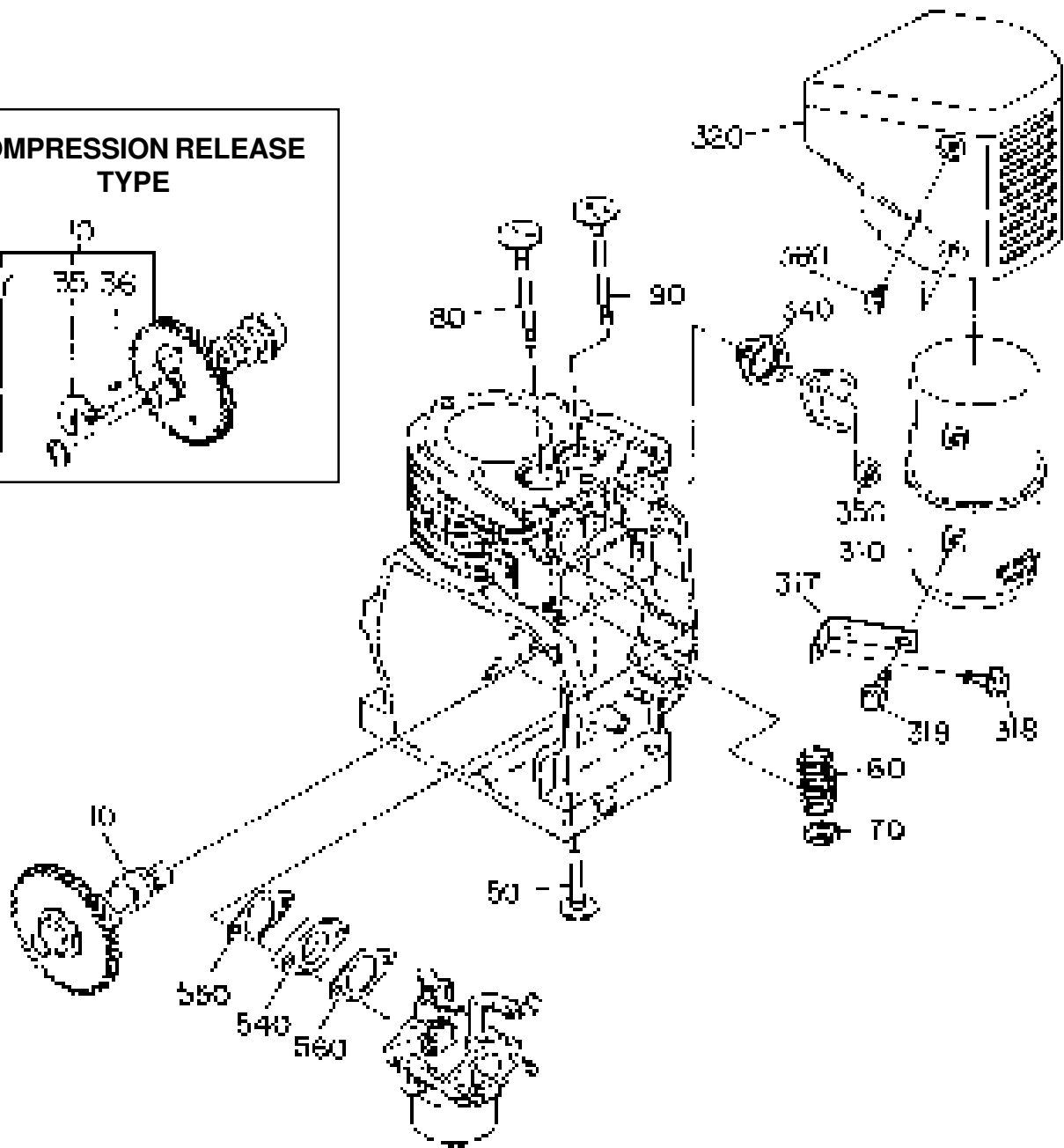
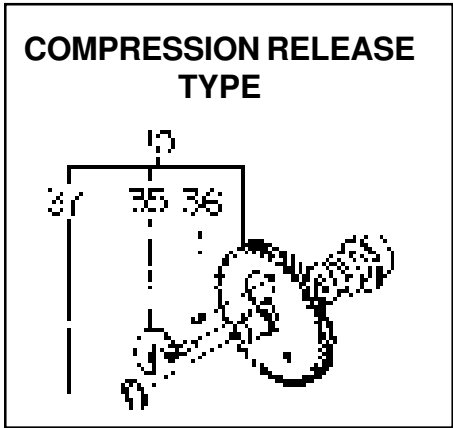
* Gasket Set 227-99001-07 includes the following:
Fig. 100 items 280, 290, 620, 830 and 840
Fig. 300 items 340, 550 and 560
Fig. 310 item 510-2

REMARKS

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FIG. 300

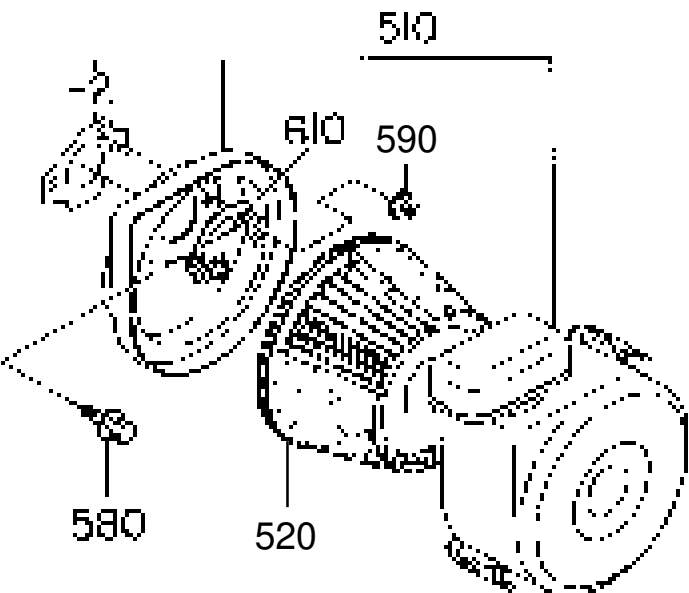


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FIG. 310

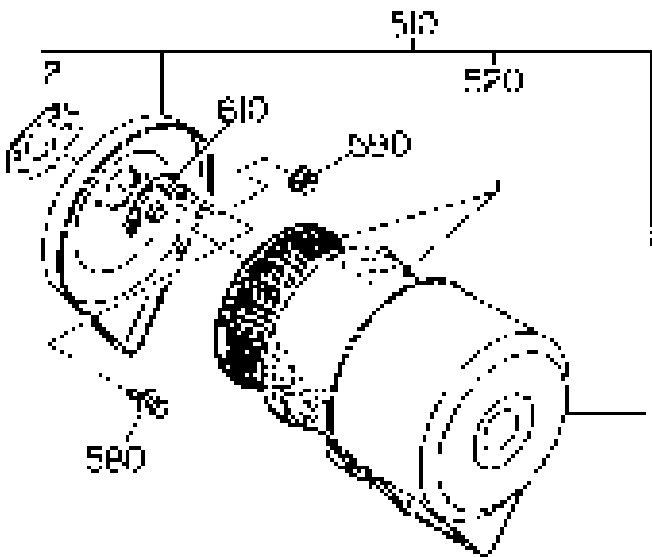
Premium - Top Inlet Cyclone



A

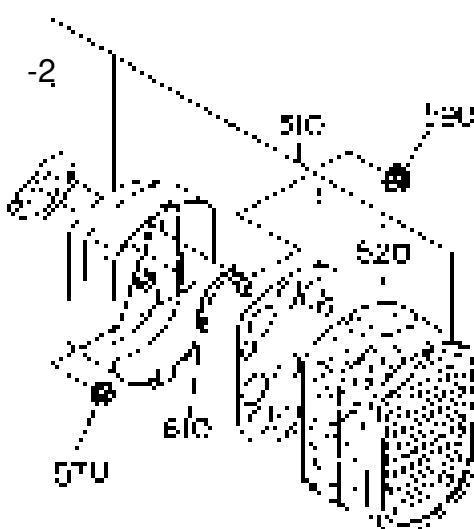
B

Standard - Cyclone



C

Foam Element

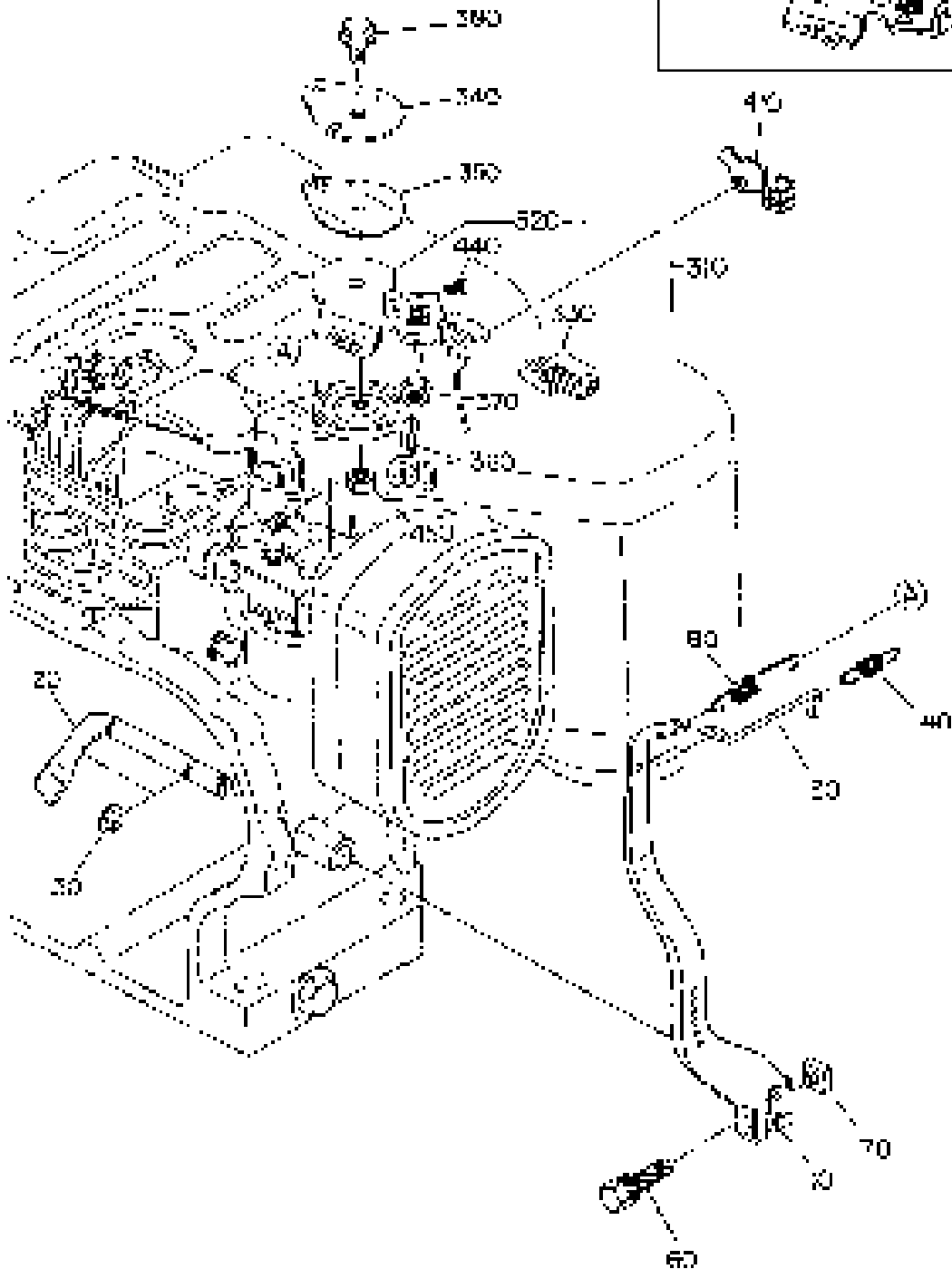


[illegible]



FIG. 400 MANUAL WITH UPPER REMOTE CABLE CONTROL

MANUAL CONTROL ONLY

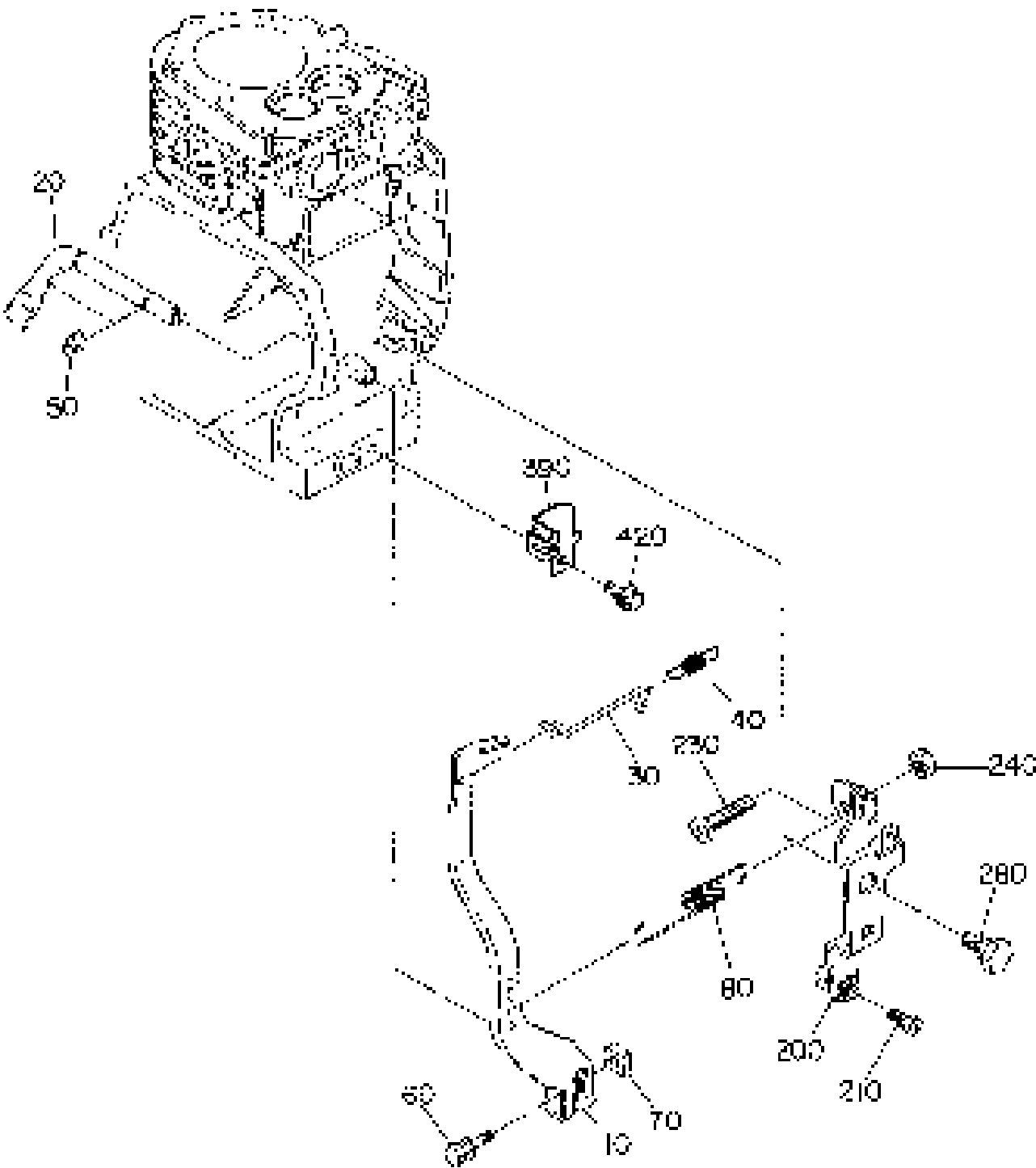


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FIG. 410 LOWER REMOTE CABLE CONTROL

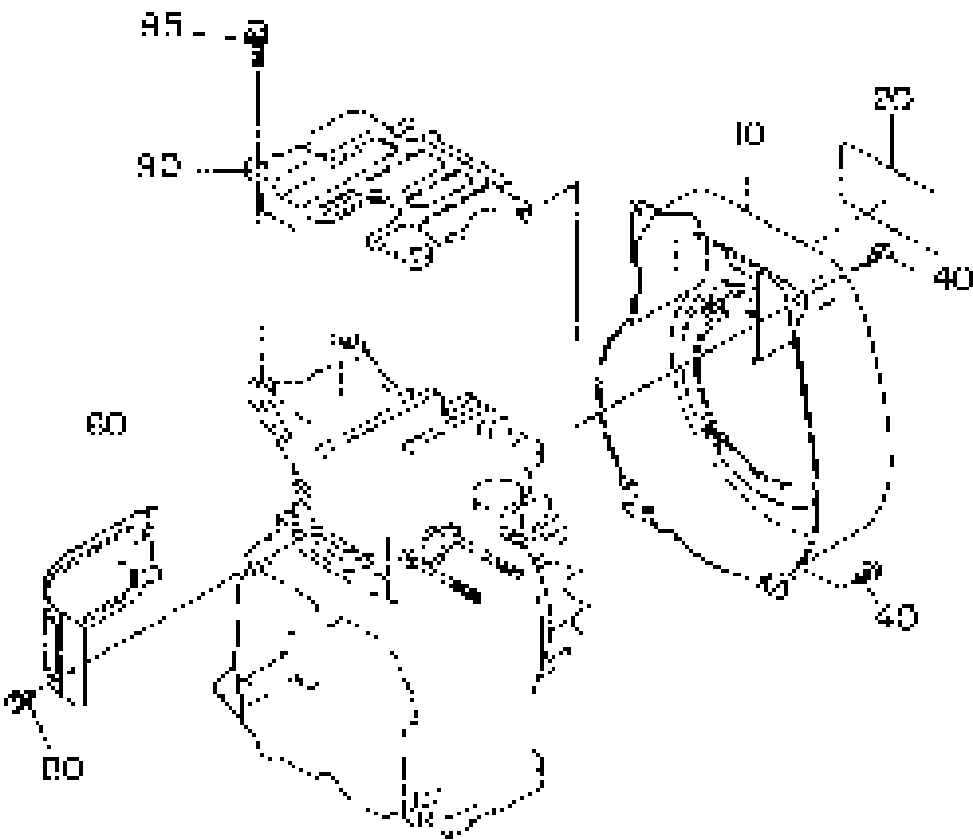


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FIG. 500

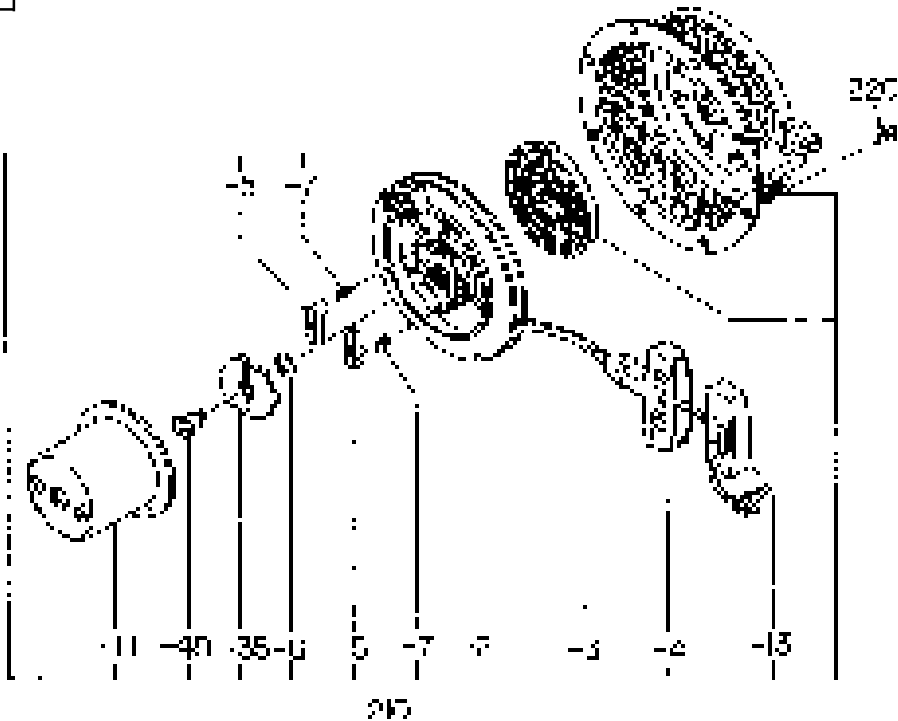


[illegible]

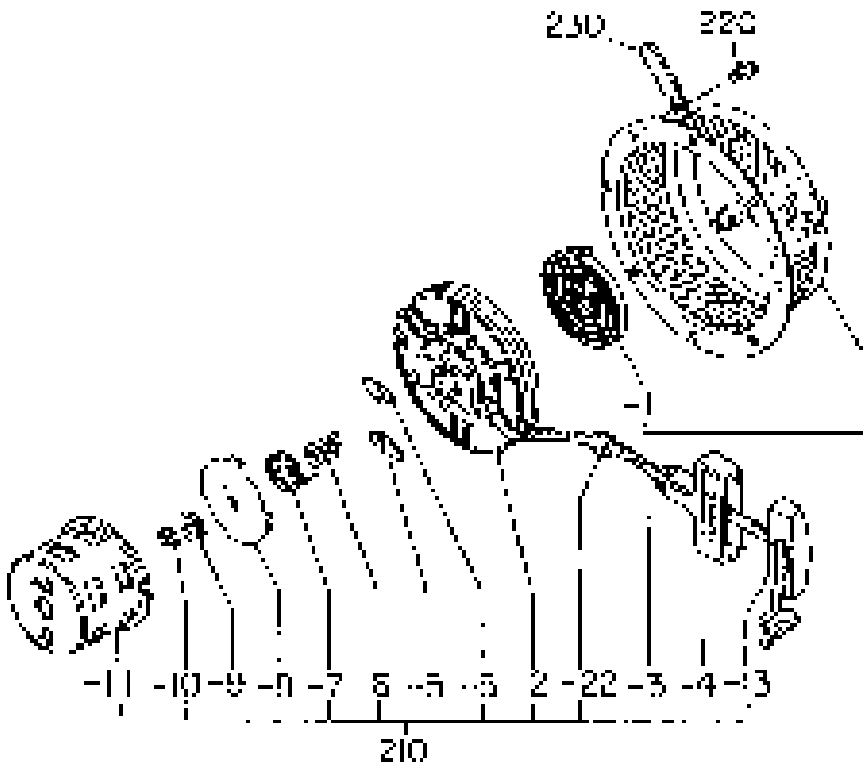


FIG. 510

NEW STYLE



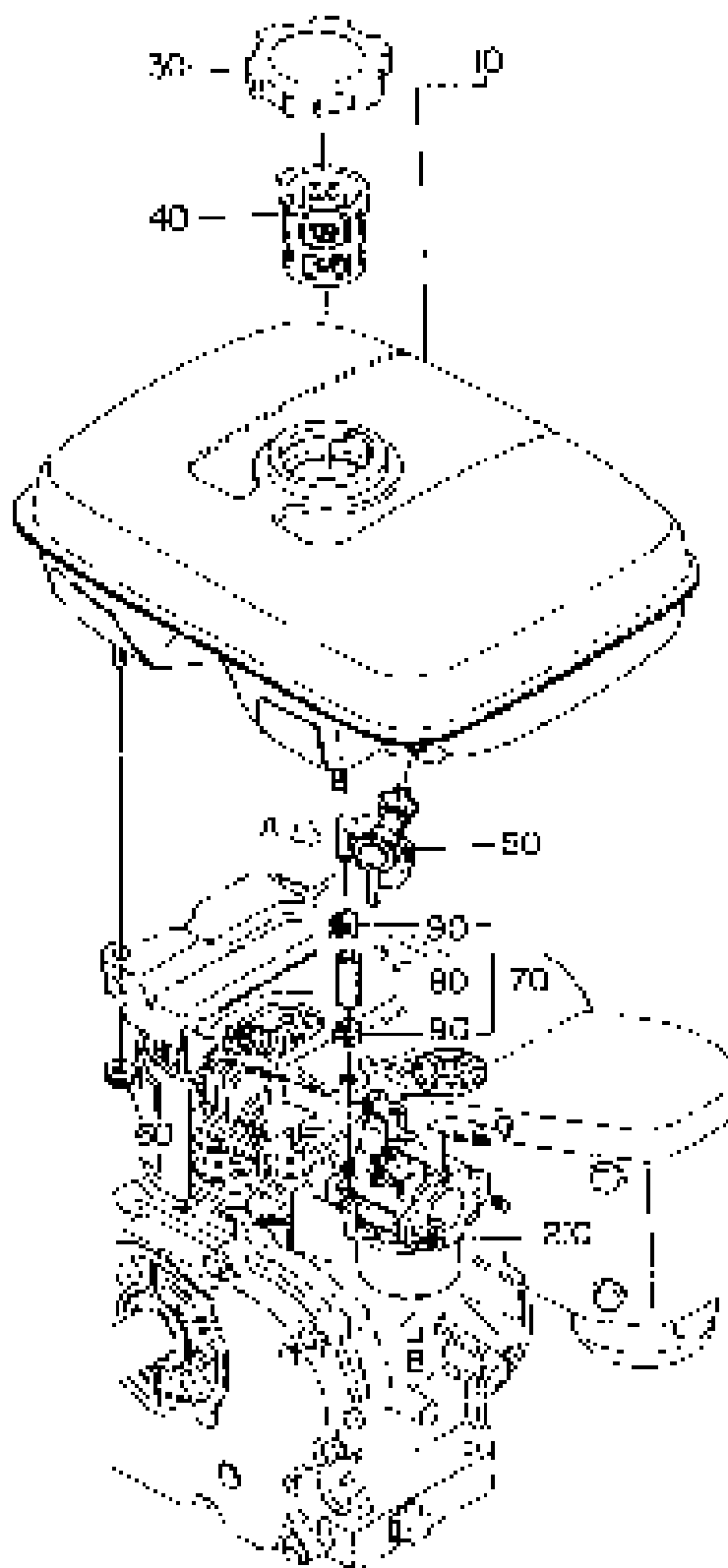
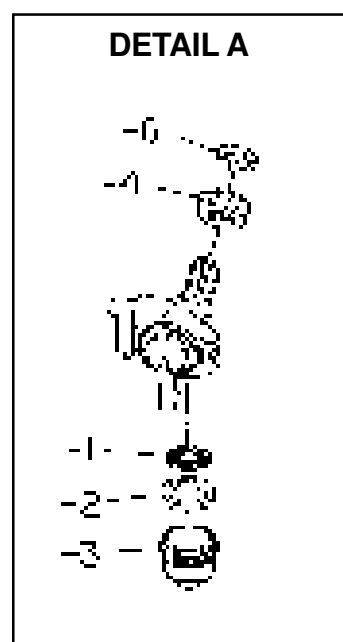
OLD STYLE



[illegible]



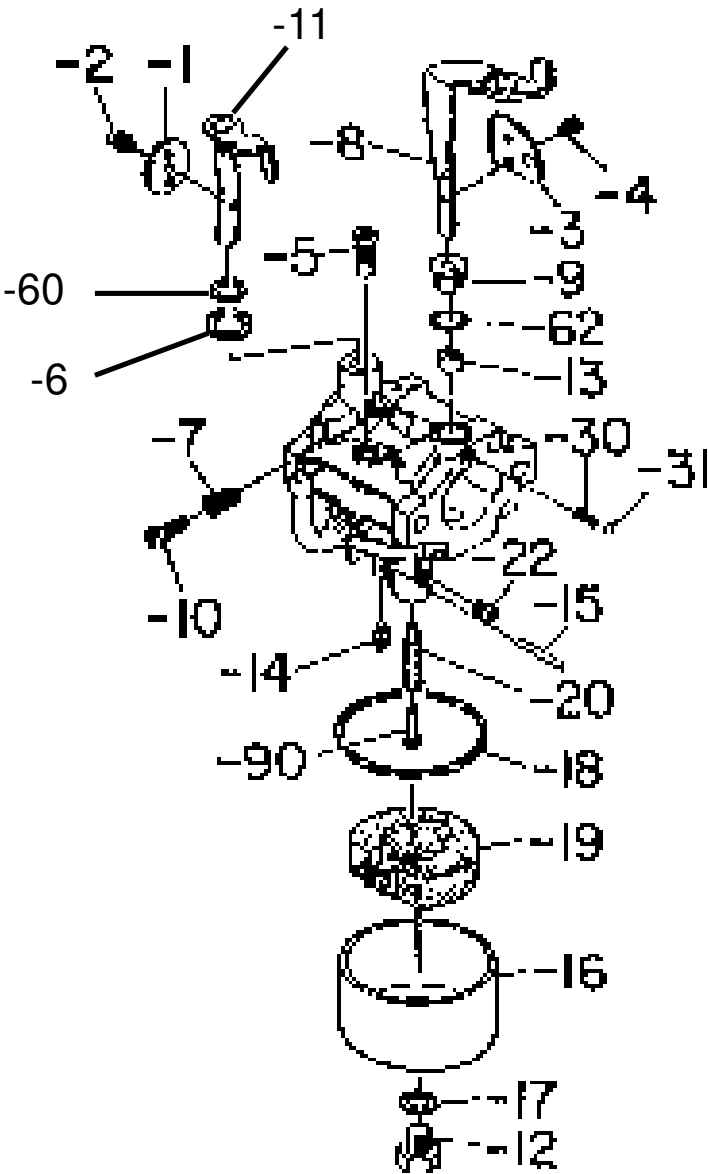
FIG. 600



[illegible]



FIG. 610



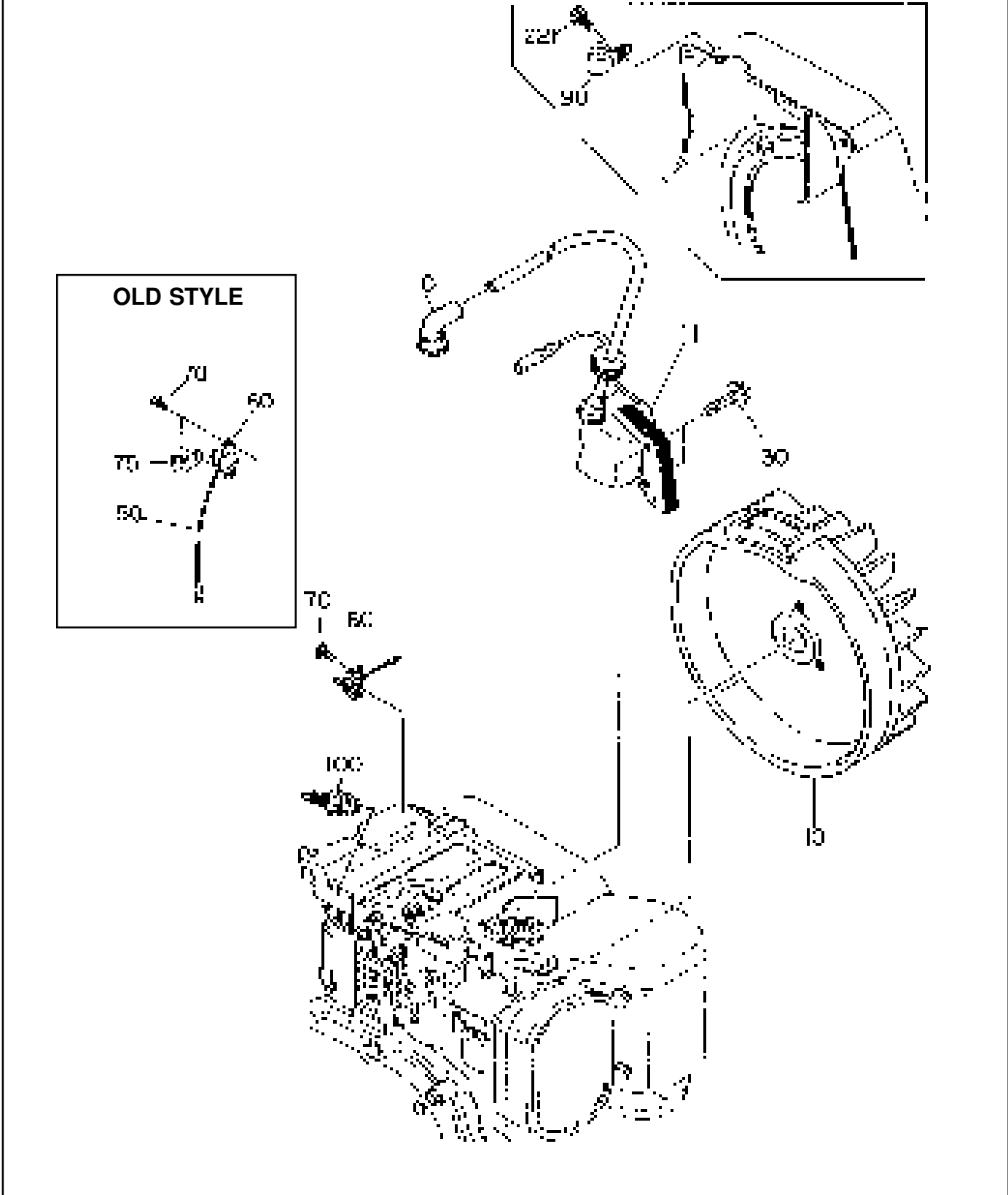
UP

REMARKS





FIG. 700



ELECTRIC DEVICE GROUP

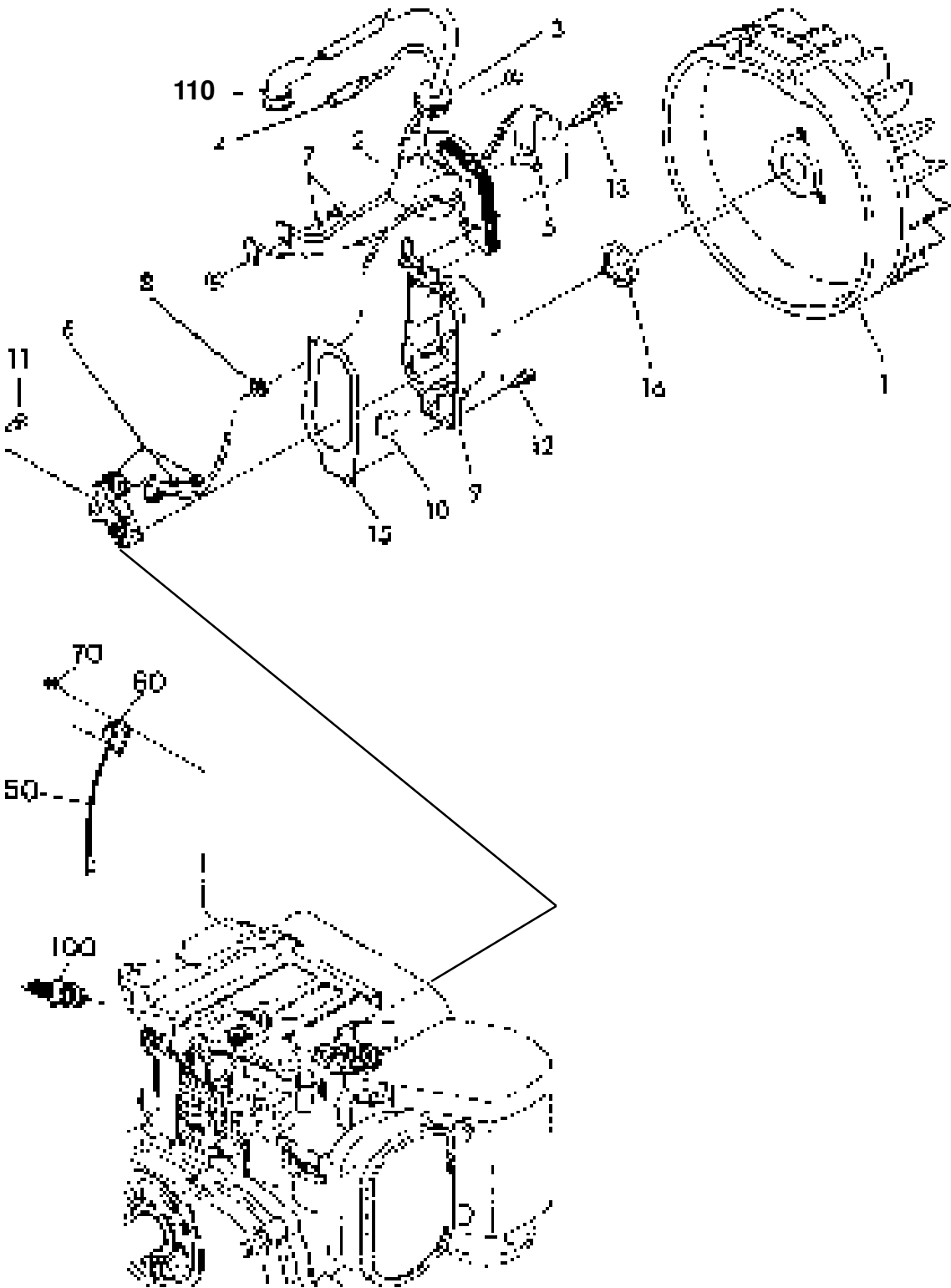


'00-03



FIG. 710

POINTS and CONDENSER - OLD STYLE



ELECTRIC DEVICE GROUP

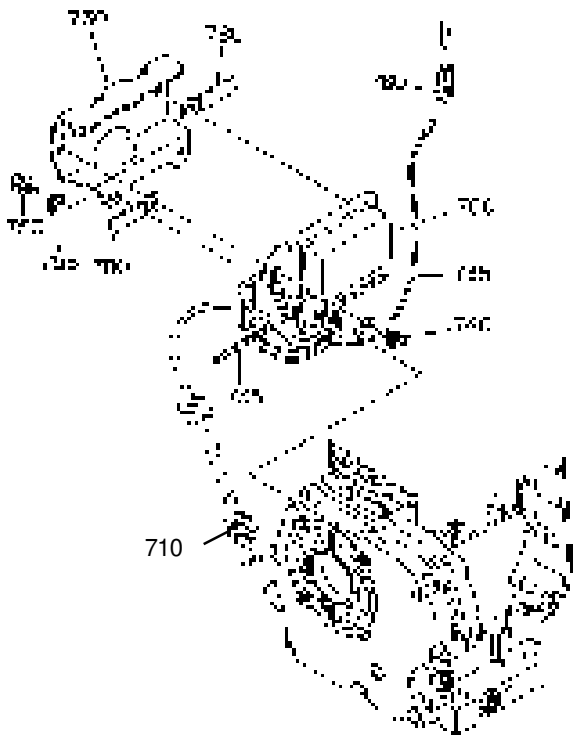
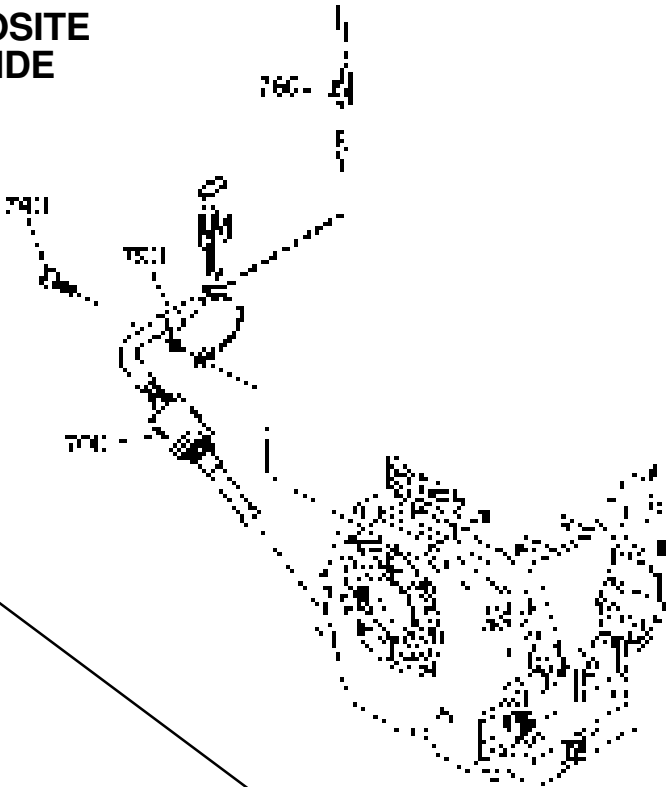


***Items without part numbers are only available when purchased in the Hardware Kit, 226-70102-07.



FIG. 730

**NEW STYLE - OPPOSITE
CARBURETOR SIDE**



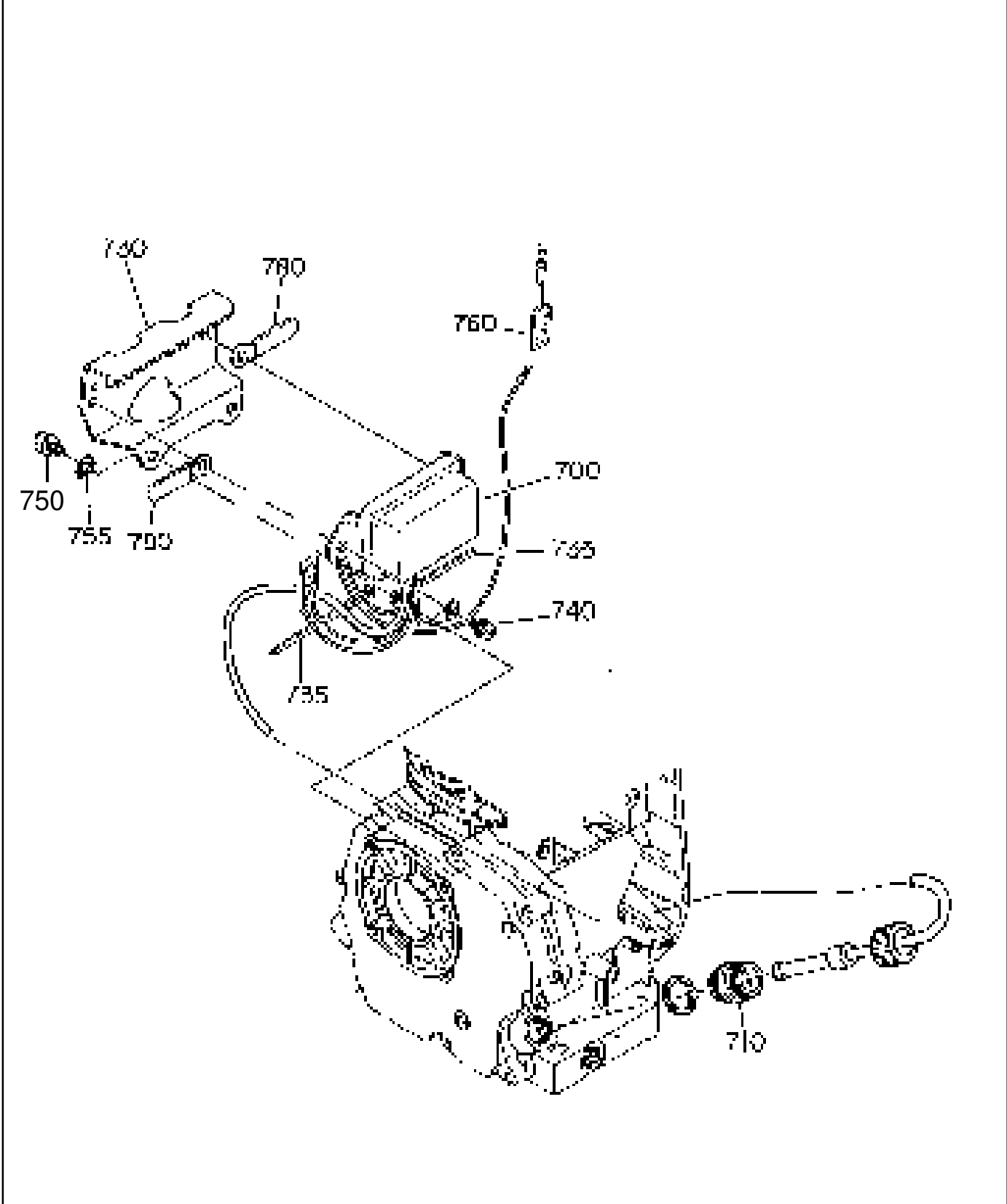
**OLD STYLE - OPPOSITE
CARBURETOR SIDE**

[illegible]



FIG. 740

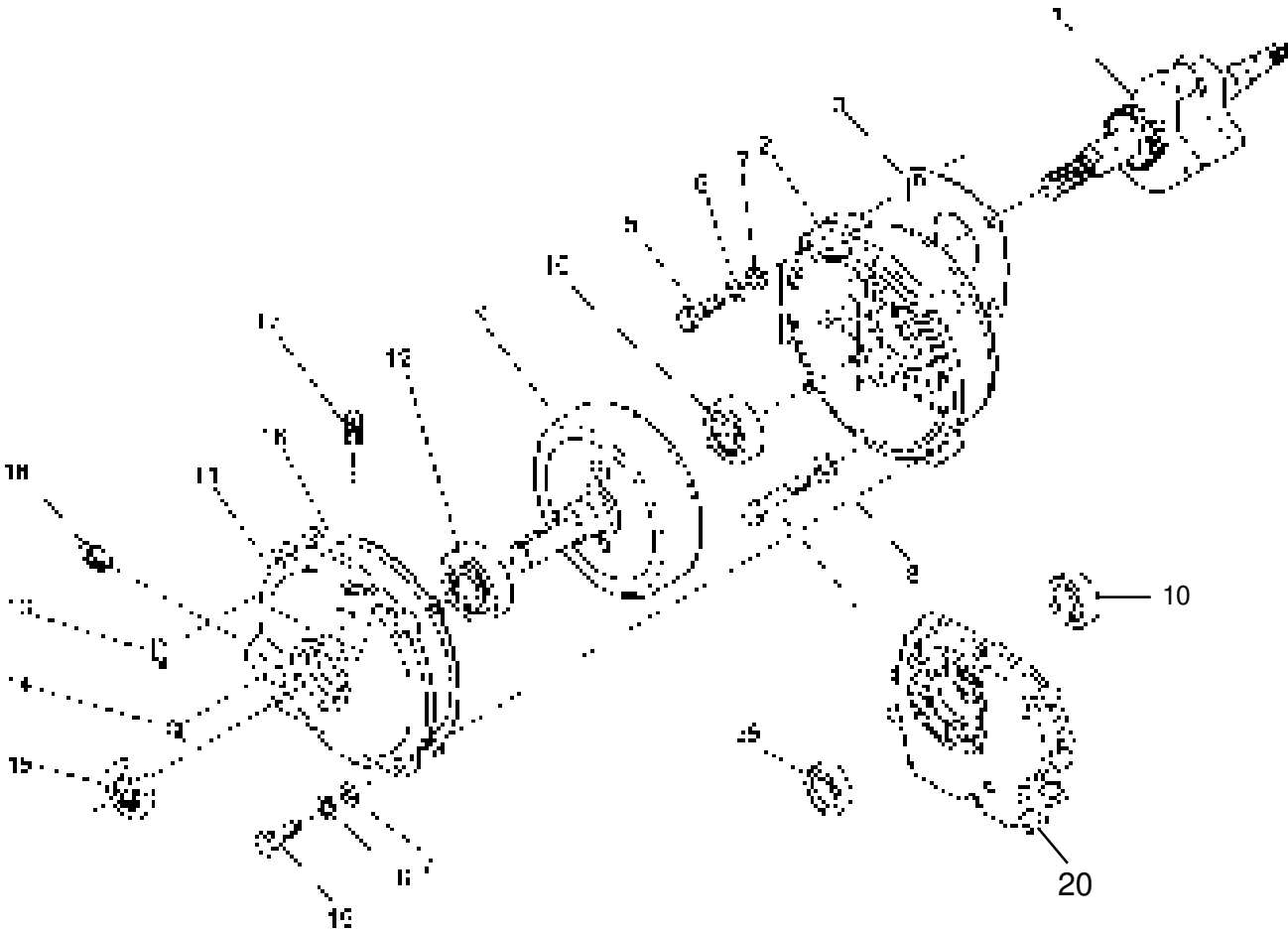
OLD STYLE - CARBURETOR SIDE



[illegible]



FIG. 800



6:1 REDUCTION

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