

PARTS MANUAL

Model

**EX170D50042
ENGINE**

PUB-EPMK
Rev. 11/06

Robin America, Inc.

940 Lively Blvd. • Wood Dale, IL 60191 • Phone: 630-350-8200 • Fax: 630-350-8212
e-mail: sales@robinamerica.com • www.robinamerica.com

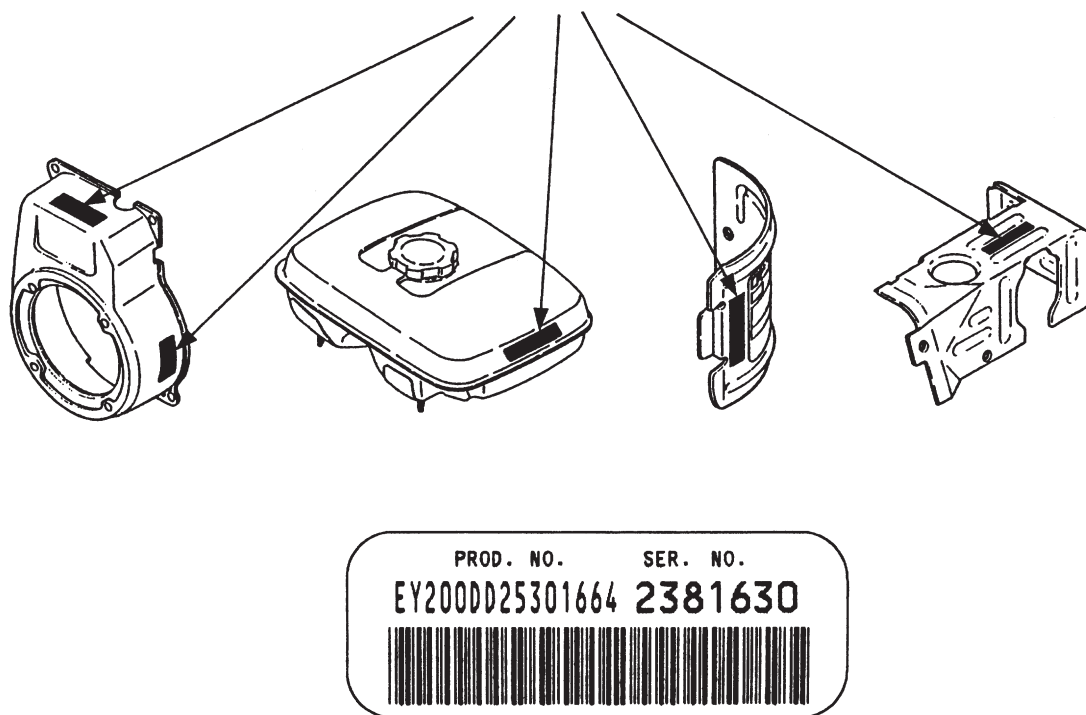
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HOW TO USE THIS MANUAL

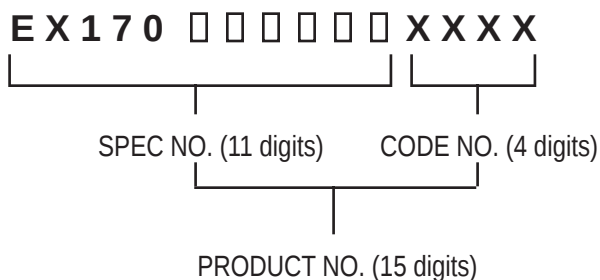
Robin engines are identified by MODEL, SPECIFICATION, and CODE NUMBER. For each model there may be many different versions called specifications. Each specification will be unique in some way. The difference may only be the paint color or it may have a different type of PTO or some other significant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



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:



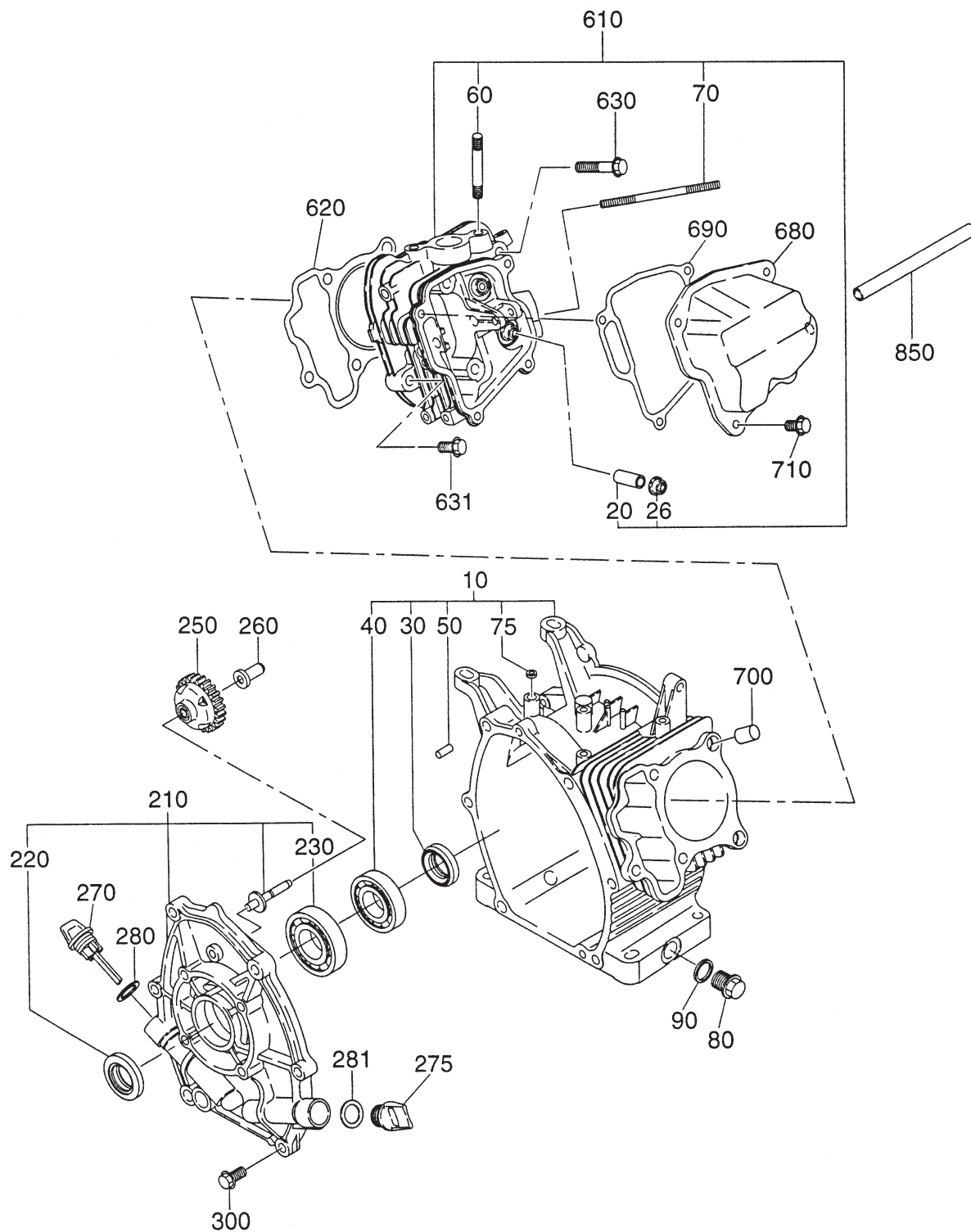
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INDEX OF DESCRIPTION SYMBOLS			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AY	ASSEMBLY	P=	PITCH (in mm)
CP.....	COMPLETE	P.T.O. (PTO)	POWER TAKE OFF
EX.....	EXPORT (from Japan)	REF.....	REFERENCE
FIG.....	FIGURE	R.H. (RH).....	RIGHT HAND SIDE
FR.....	FRONT	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

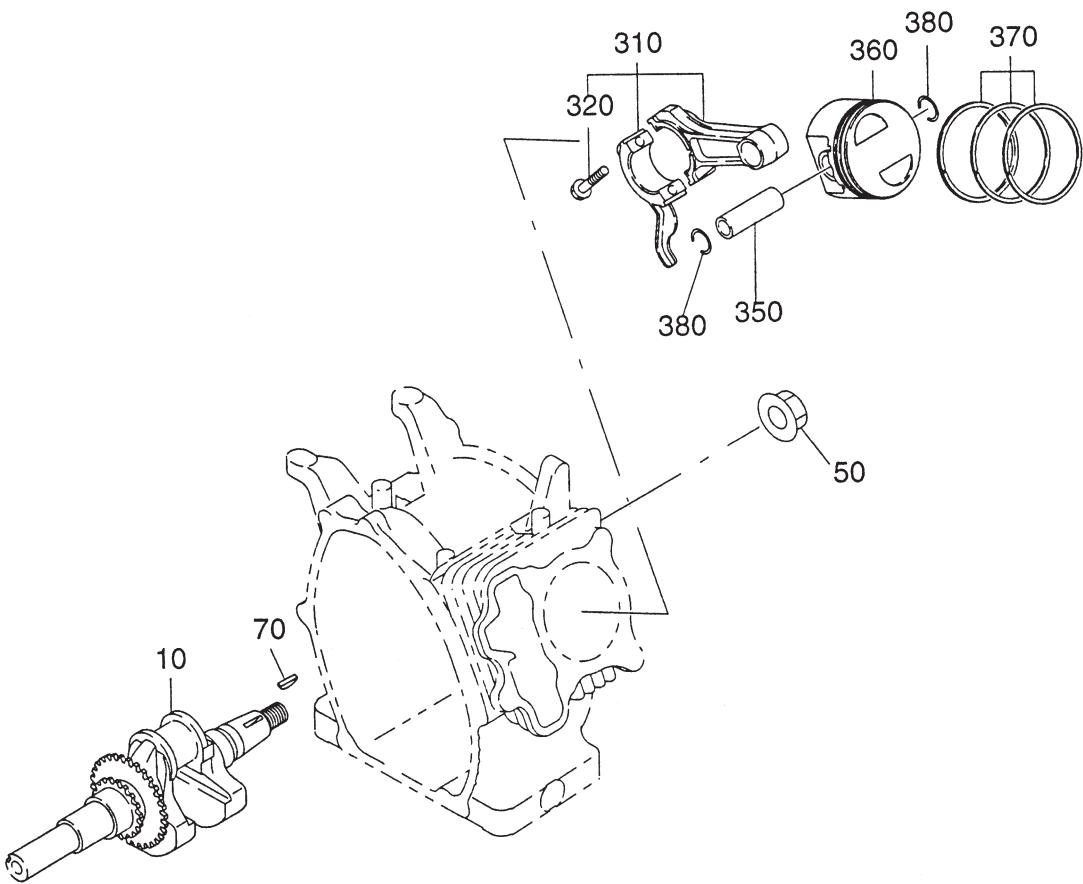


SECTION 1 CRANKCASE GROUP

[illegible]

SECTION 2 CRANKSHAFT GROUP

FIG. 200

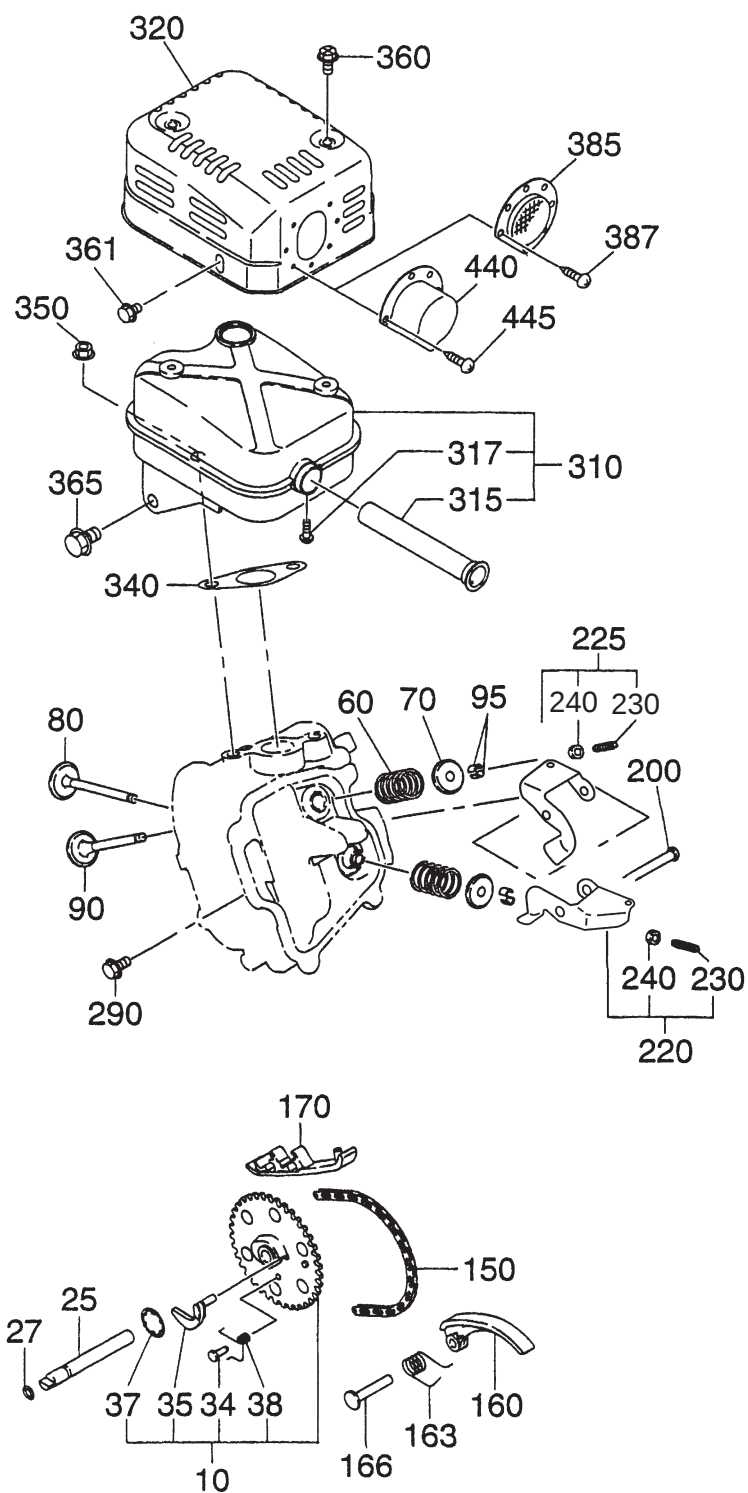


SECTION 2 CRANKSHAFT GROUP

[illegible]

SECTION 3 INTAKE and EXHAUST GROUP - New Style

FIG. 300

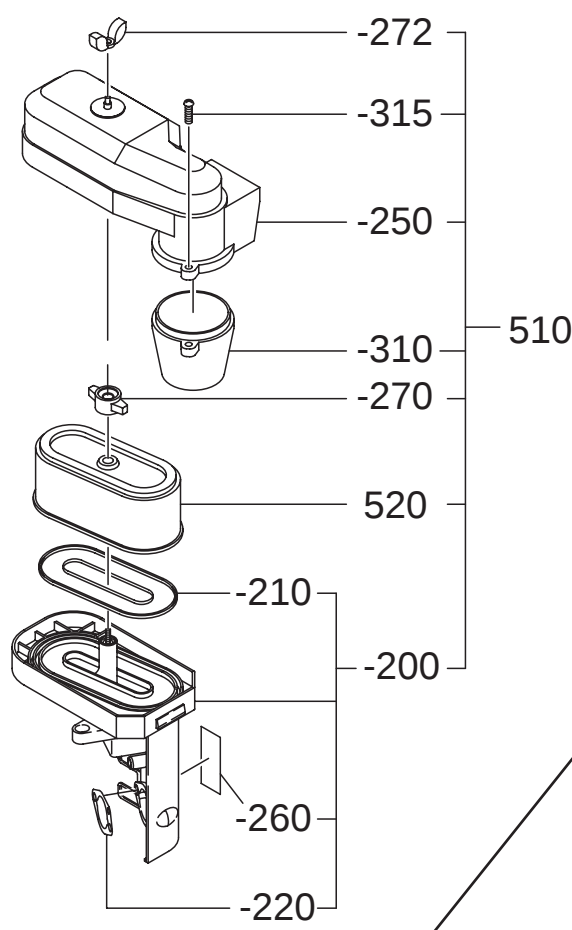


SECTION 3 INTAKE and EXHAUST GROUP - New Style

REF.	PART NO.	DESCRIPTION	QTY.	REMARKS	FROM-TO	FIG.
10	277-31601-31	CAMSHAFT	1			300
25	277-35101-03	PIN, camshaft	1			300
27	024-00600-10	O RING	1			300
34	277-38601-03	PIN, spring	1			300
35	277-36401-03	RELEASE LEVER	1			300
37	277-36501-03	CLIP	1			300
38	277-38702-03	RETURN SPRING	1			300
60	279-33601-03	VALVE SPRING	2			300
70	269-33701-03	SPRING RETAINER	2			300
80	277-33401-H3	INTAKE VALVE	1			300
90	277-33501-H3	EXHAUST VALVE	1			300
95	132-10KA0-31	COLLET VALVE	4			300
150	277-35601-11	TIMING CHAIN	1			300
160	277-36911-03	TENTIONER	1			300
163	277-37101-03	SPRING, tentioner	1			300
166	277-36902-03	PIN, tentioner	1			300
170	277-36913-13	CHAIN GUIDE	1			300
200	277-35002-01	PIN, rocker	1			300
202	003-13050-00	CLIP	1			300
220	277-36201-00	ROCKER ARM, intake	1			300
225	277-36202-00	ROCKER ARM, exhaust	1			300
230	014-90500-20	ADJUST SCREW	1			300
231	014-90500-20	ADJUST SCREW	1			300
240	017-00500-30	NUT	1			300
241	017-00500-30	NUT	1			300
290	011-00600-20	FLANGE BOLT	1			300
310	277-30111-J1	MUFFLER CP	1		7000~	300
	277-30111-H1	MUFFLER CP	1		~6999	300
315	277-37601-01	SPARK ARRESTER	1			300
317	015-00400-60	TAPPING SCREW	1			300
320	277-34201-21	MUFFLER COVER	1		7031~	300
	277-34201-11	MUFFLER COVER	1		~7030	300
340	277-35201-13	GASKET, muffler	1			300
350	980-20082-80	FLANGE NUT	2			300
360	015-20600-90	TAPPING BOLT	2			300
361	011-00600-10	FLANGE BOLT	1			300
365	011-00803-20	FLANGE BOLT	1			300
387	015-00400-60	TAPPING SCREW	2			300
440	277-37001-H1	DEFLECTOR	1			300
540	277-32902-J1	INSULATOR	1			300
550	277-32903-J3	GASKET 2, insulator	1			300
560	277-35902-J3	GASKET 1, insulator	1			300
570	002-38060-00	FLANGE NUT	2			300
580	011-00600-50	FLANGE BOLT	1			300

SECTION 3 INTAKE and EXHAUST GROUP

FIG. 320

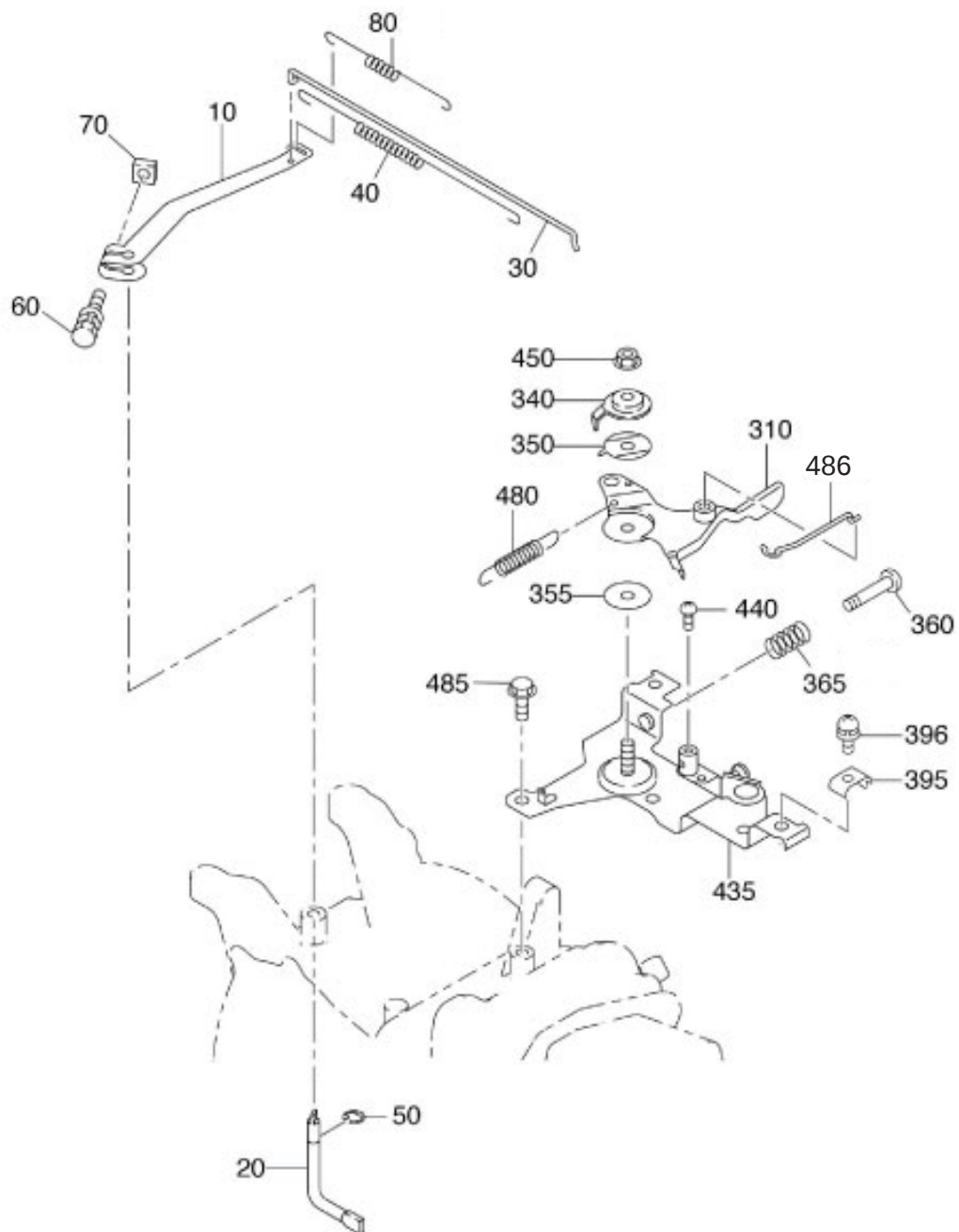


SECTION 3 INTAKE and EXHAUST GROUP

[illegible]

SECTION 4 GOVERNOR GROUP - New Style

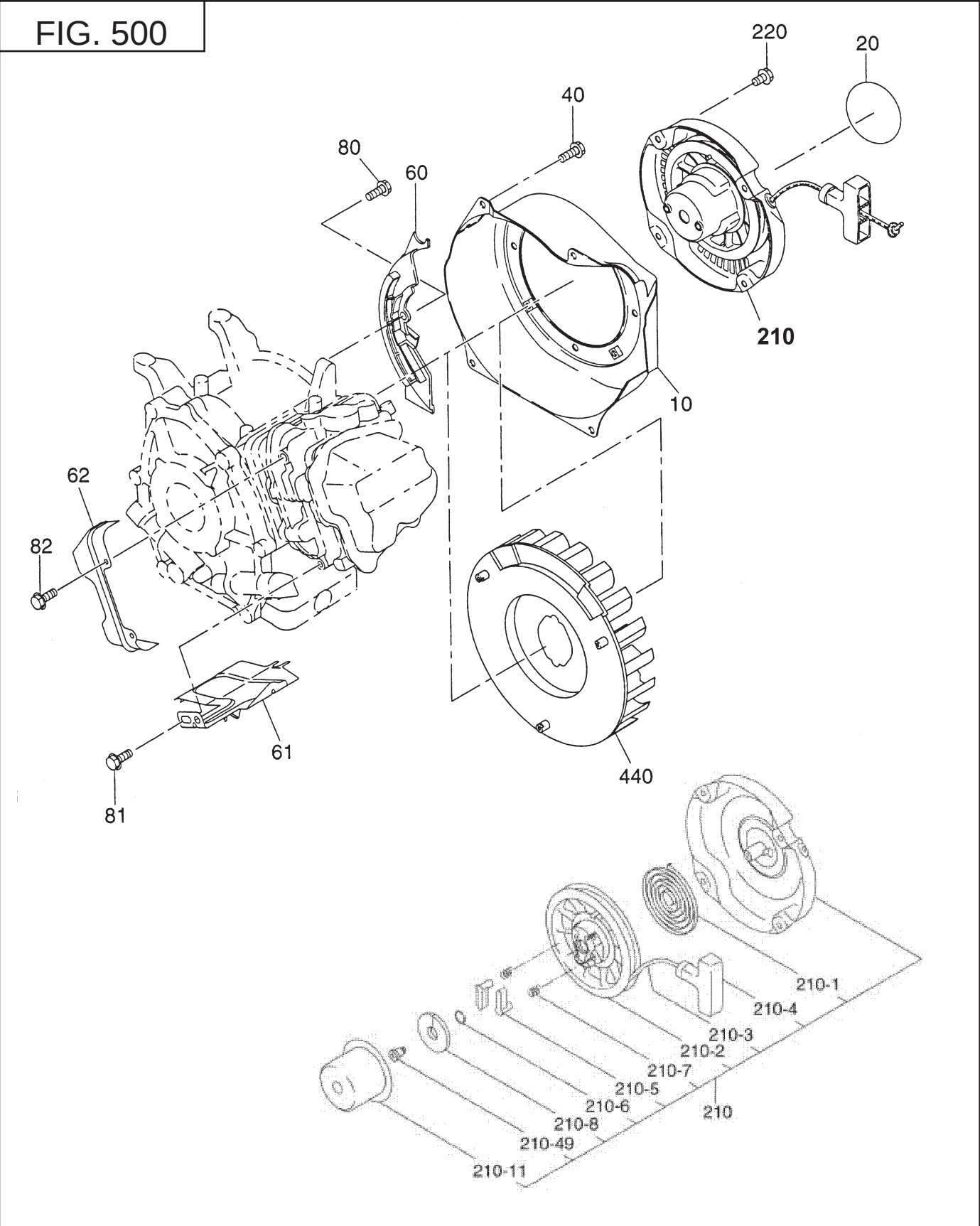
FIG. 400



SECTION 4 GOVERNOR GROUP - New Style

[illegible]

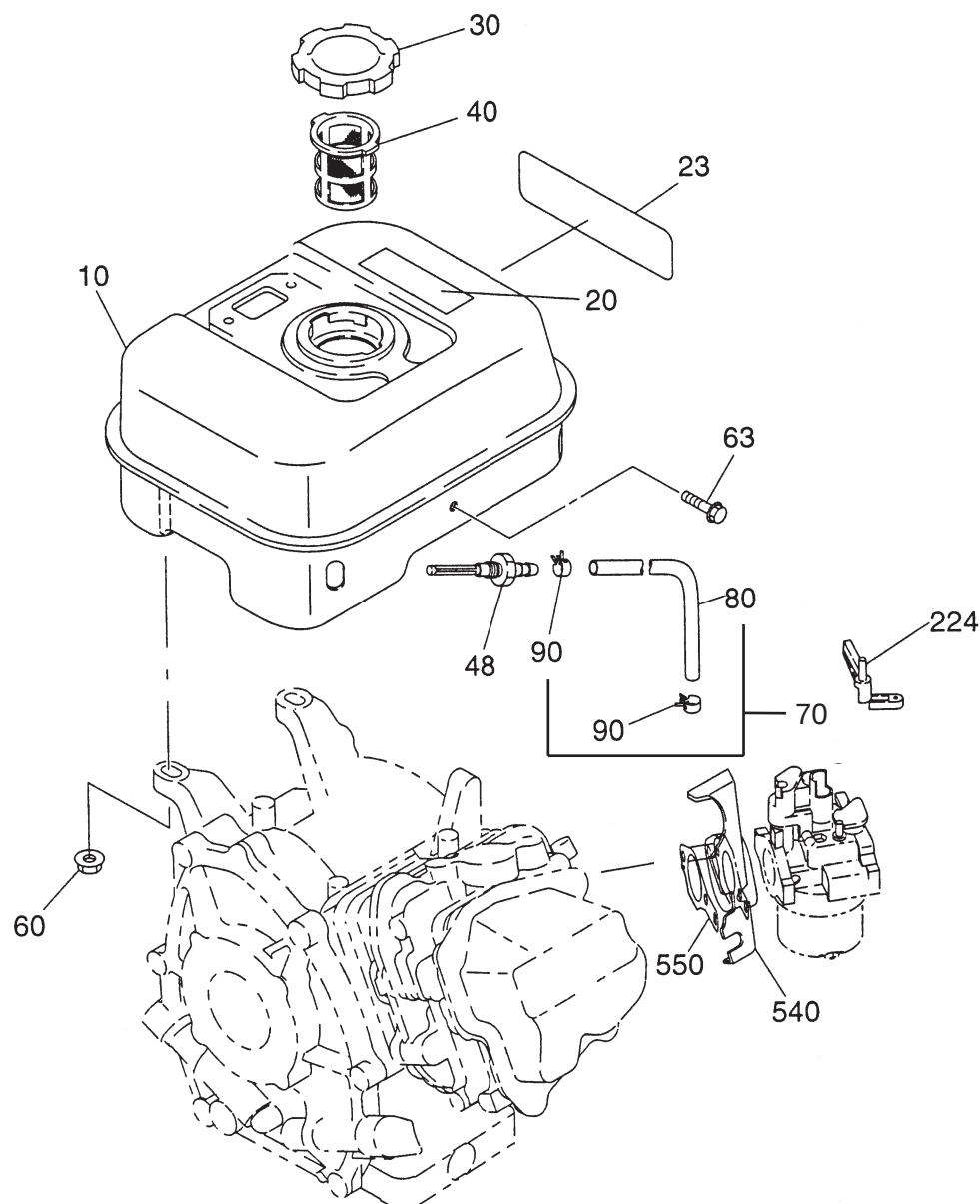
SECTION 5 COOLING and STARTING GROUP



SECTION 5

[illegible]

FIG. 600

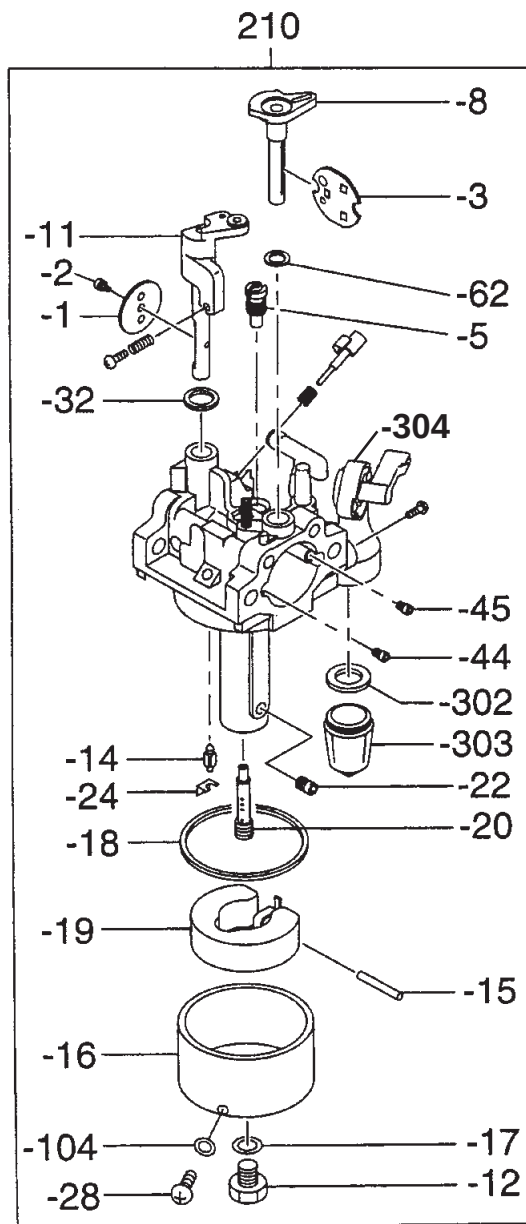


SECTION 6 FUEL, LUBRICATION GROUP

[illegible]

SECTION 6 FUEL, LUBRICATION GROUP

FIG. 610

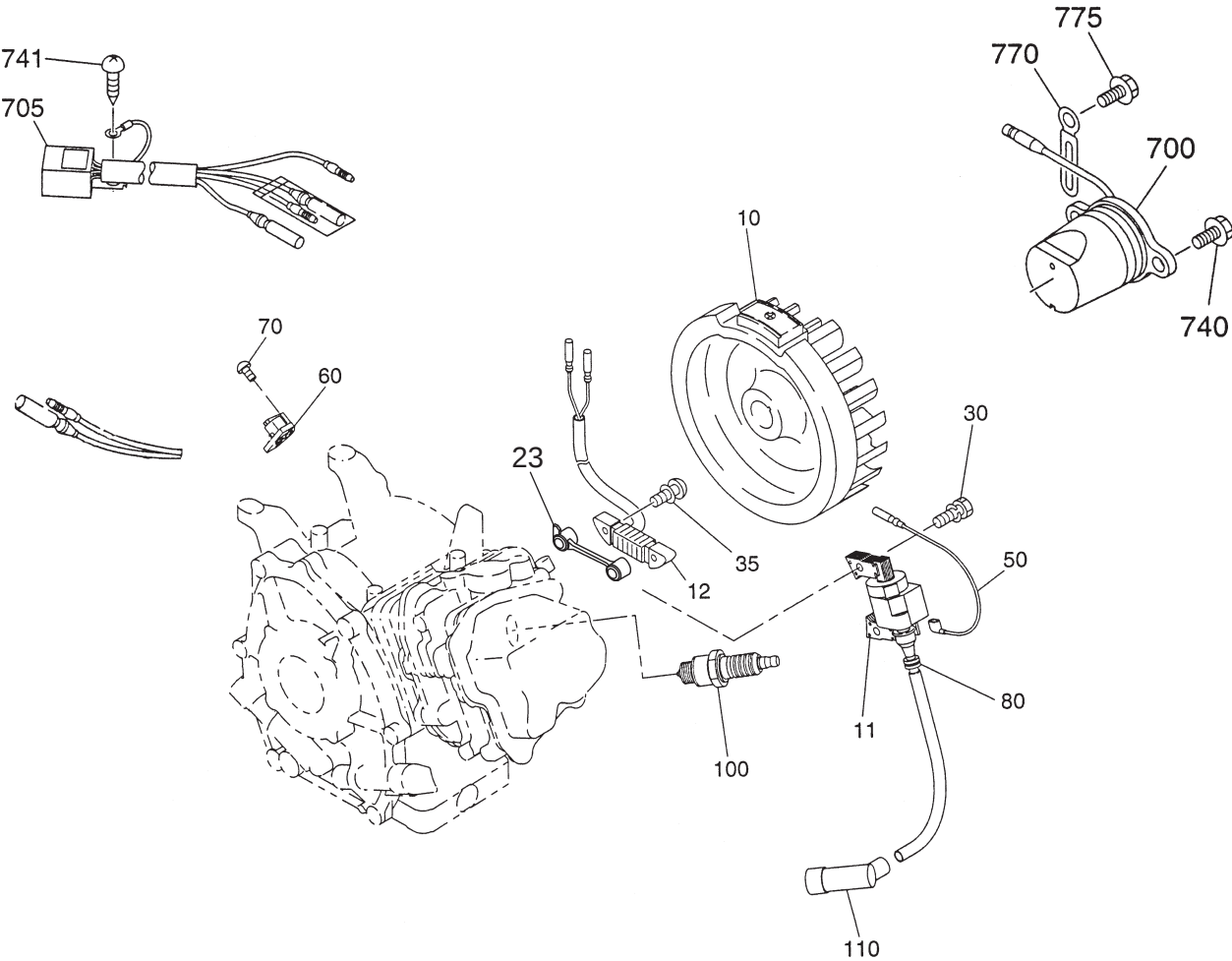


SECTION 6 FUEL, LUBRICATION GROUP

[illegible]

SECTION 7 ELECTRIC DEVICE GROUP

FIG. 700

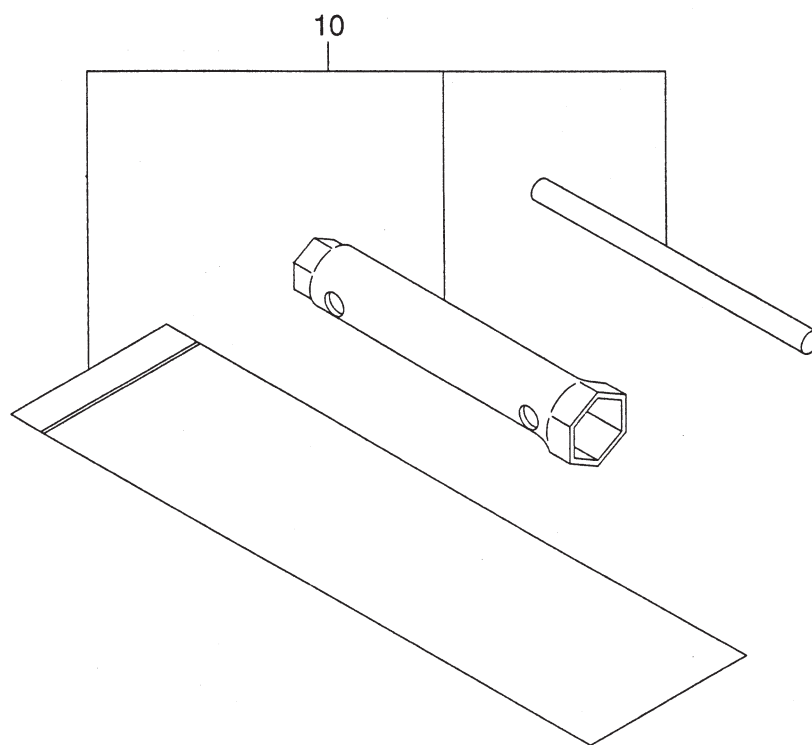


SECTION 7 ELECTRIC DEVICE GROUP

[illegible]

SECTION 9 ACCESSORY GROUP

FIG. 900



SECTION 9 ACCESSORY GROUP

[illegible]

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