

PARTS CATALOG

ロビンエンジン
Robin Engines

Model

EC03 / 04

PRODUCT NO.	EC030ER0201 ER0202 EC040ER0201
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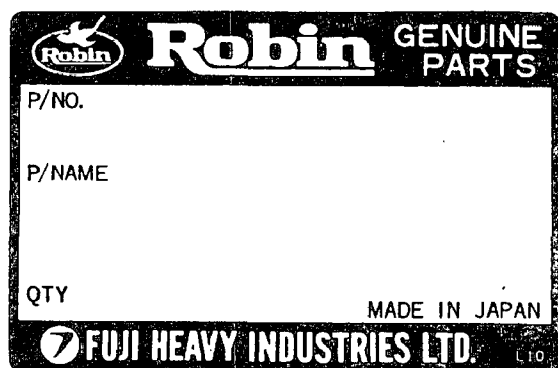
Request for purchasing our GENUINE PARTS

1. The genuine parts of Fuji Heavy Industry Ltd. have been manufactured in accordance with design specifications meeting the requirements of ROBIN products.

In order to maintain complete performance of ROBIN products, the genuine parts have been produced under strict quality inspection and quality control keeping after - sale service in mind as its main purpose.

2. You are requested to give order to our Parts sales agents or representatives where having a good stock of our genuine parts.

The genuine parts have the marking as illustrated below.



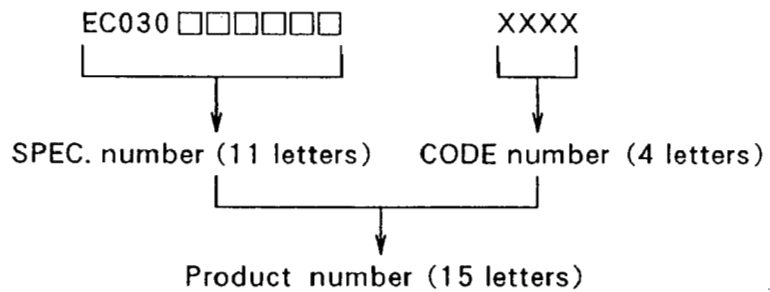
純正部品
GENUINE PARTS

富士重工業株式会社
FUJI HEAVY INDUSTRIES LTD.
MADE IN JAPAN

Before referring to parts catalog

■ 1. Parts listed

The parts catalog lists service/maintenance parts, based on the product number "EC030ER0201", employed in engines stated below.



PRODUCT NO.	EC030ER0201
	ER0202
	EC040ER0201

- Note.
1. Be sure to refer to the updated catalog after revised catalog has been issued.
 2. The catalog is subject to change, deletion, and becoming "not for sale" without advance notice.

■ 2. How to identify part number

- (1) In case of correct parts number required whatever parts name, shape and its location cleared, proceed to check with following steps.

Confirm product number from the label stuck on the product or stamp mark on the cylinder baffle.

Look for Fig. number (page) by referring to the group index.

Look for the relevant Ref. number (illustration No.) from the Illustration.

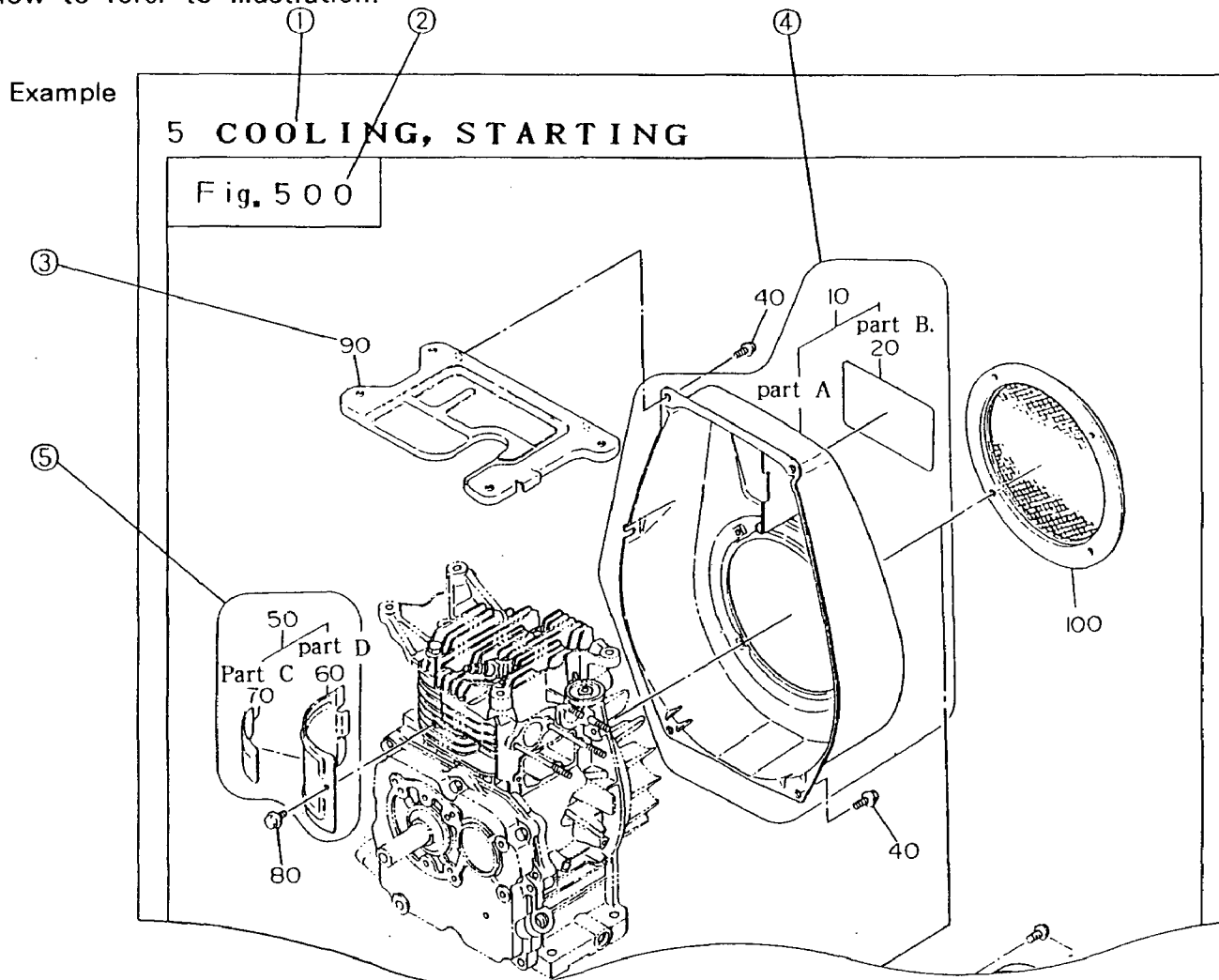
Look for the part number of relevant engine and/or obtain its necessary information from the Production number (Spec. No.) stated in the part name section after finding the same Ref. number as the Illustration number on the illustration from the relevant part table.

- (2) When obtaining information such as change of the parts and its specifications with the part number informed.

Look for Fig. number (page) by referring to the part number index at the end of catalog.

■ 3. How to refer to part catalog.

1. How to refer to Illustration.



Do not make any engine maintenance by depending only on the catalog because the illustrations on the catalog are intended to provide parts location and their shape, and ordering information.

- ① Section name Identical with the section name in the section index.
- ② Fig.number Shows illustration number corresponding to the Fig.number in the part table.
- ③ Ref.number Corresponds to Ref.number in the part table.
- ④ Ref.number Interpretation 1 The part indicated by Ref.number 10 in the above illustration consists of part A and part B.
 Part A is available in the form of either assembly of Ref. number 10 (AY) or of complete unit of part A (CP).
 Part B is available as the part B itself.
- ⑤ Ref. number Interpretation 2 Part C and D are available in the form of either assembly of Ref. number 50 (AY) or of complete unit of each part (CP).

2. How to refer to part table

Example

I CRANKCASE GROUP							
REF. NO.	PART NUMBER		PART NAME		CODE NO.	INTERCHANGEABLE	FIG. NO.
		PART NUMBER		SPEC. NO.	FROM-TO	PART NUMBER	
80		040-11400-30	PLUG		-	040-11400-31	100
90		021-11400-20	GASKET (CRANKCASE)		-		100
210		234-11001-01	MAINBEARING COVER CP		-		100
		234-10901-01		EY280BS0000	-		100
				EY280BS7100	-		100
		021-31600-10		EY280BS7600	-		
290		234-16001-03		EY280BS7100	-		100
300		001-14082-80	BOLT AND WASHER AY		-		100
330		*****	LABEL				
		073-20025-10		EY280DS2020	-		100
610		234-13001-23	CYLINDER HEAD		0091-		100
		234-13001-13	CYLINDER HEAD		0001-0090	234-13001-23	100
		234-13001-03	CYLINDER HEAD		-0000		100

- ① Section name Identical with the section name in the section index and the illustration.
- ② Fig. number Equals to number in the illustration.
Refer to the illustration with the Fig. number stated in this section for identifying the part specified in Ref. number ③.
- ③ Ref.(reference) number Corresponds to the Ref. number in the illustration.
- ④ Part number This is a part number in the basic engine that is used in the product number other than exclusive part number in ⑤ specified by the product number stated in section ⑦.
- ⑤ Part number Exclusive part number used in the product number stated in section ⑦.

- ⑥ Part name Shows relevant part name with supplementary explanation such as its features and associated information.
- ⑦ Product number When using a different part number from that on the basic engine, this section describes exclusive product number and exclusive part number peculiar to the product number is specified in section ⑤.
- ⑧ Code number Shows revision records and provides identification of the part number by referring to the code number.

0091 -	 Part number ④ or ⑤ with code number after 0091.
0000 - 0090	 Part number ④ or ⑤ with code number between 0000 and 0090.
- 0000	 Part number ④ or ⑤ with code number before 0000.

- ⑨ Interchangeable part number Interchangeable parts with the part numbers stated in the section ④ or ⑤.
- ⑩ : * * * * * Shows the part that is not used on the basic engine.
The parts stated in section ⑤ with this Ref. number (* * * * *) are limited to be used only for the exclusive products shown in section ⑦.

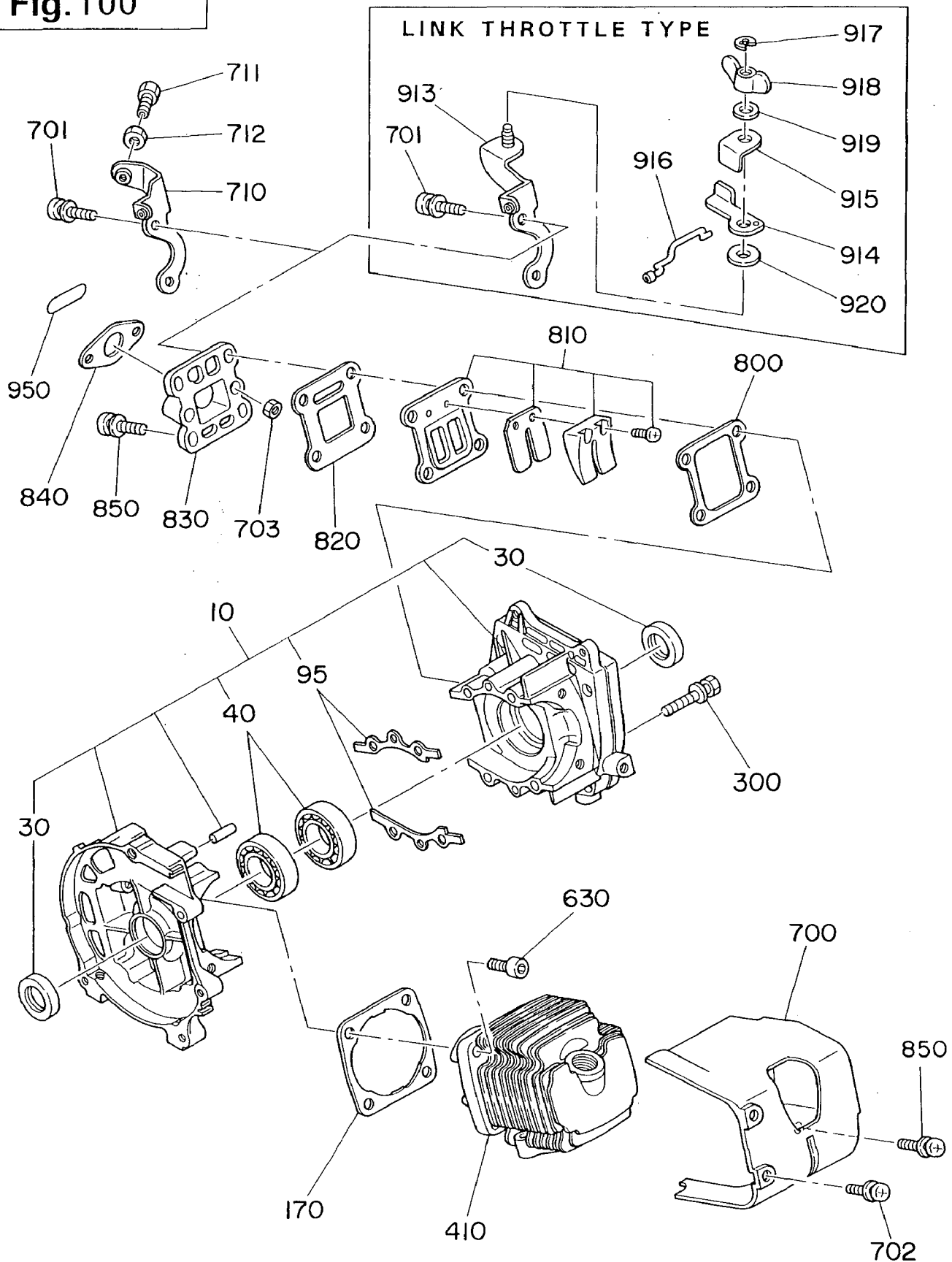
■ 4. Table of symbols & abbreviations

Symbol	Description	Symbol	Description
AY	ASSEMBLY	P.T.O.	POWER TAKE OFF
CP	COMPLETE	R.H.	RIGHT HAND
ETC.	ET CETERA	~R.P.M.	Max. revolutions per minute (~rpm)
1ST	FIRST	RR.	REAR
4TH	FOURTH	2ND	SECOND
5TH	FIFTH	6TH	SIXTH
FIG.	FIGURE	7TH	SEVENTH
FR.	FRONT	STD.	STANDARD
"	INCH	SW.	SWITCH
~KG	KILO GRAM	3RD	THIRD
~KM	KILO METER	T =	THICKNESS
~L	LITTER (~mm)	U.S.	UNDER SIZE
L =	LENGTH	~V	VOLT
L.H.	LEFT HAND	~W	WATT
N =	NUMBER OF TEETH	W/	WITH
O.S.	OVER SIZE	W/O	WITHOUT
OPT.	OPTION		
P =	PITCH (~mm)		

GROUP INDEX

SECTION NAME	FIG. No.	PAGE
1. CRANKCASE & CYLINDER	100	2
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6. FUEL TANK & CARBURETOR	600	10
7. MAGNETO	700	14
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Fig. 100

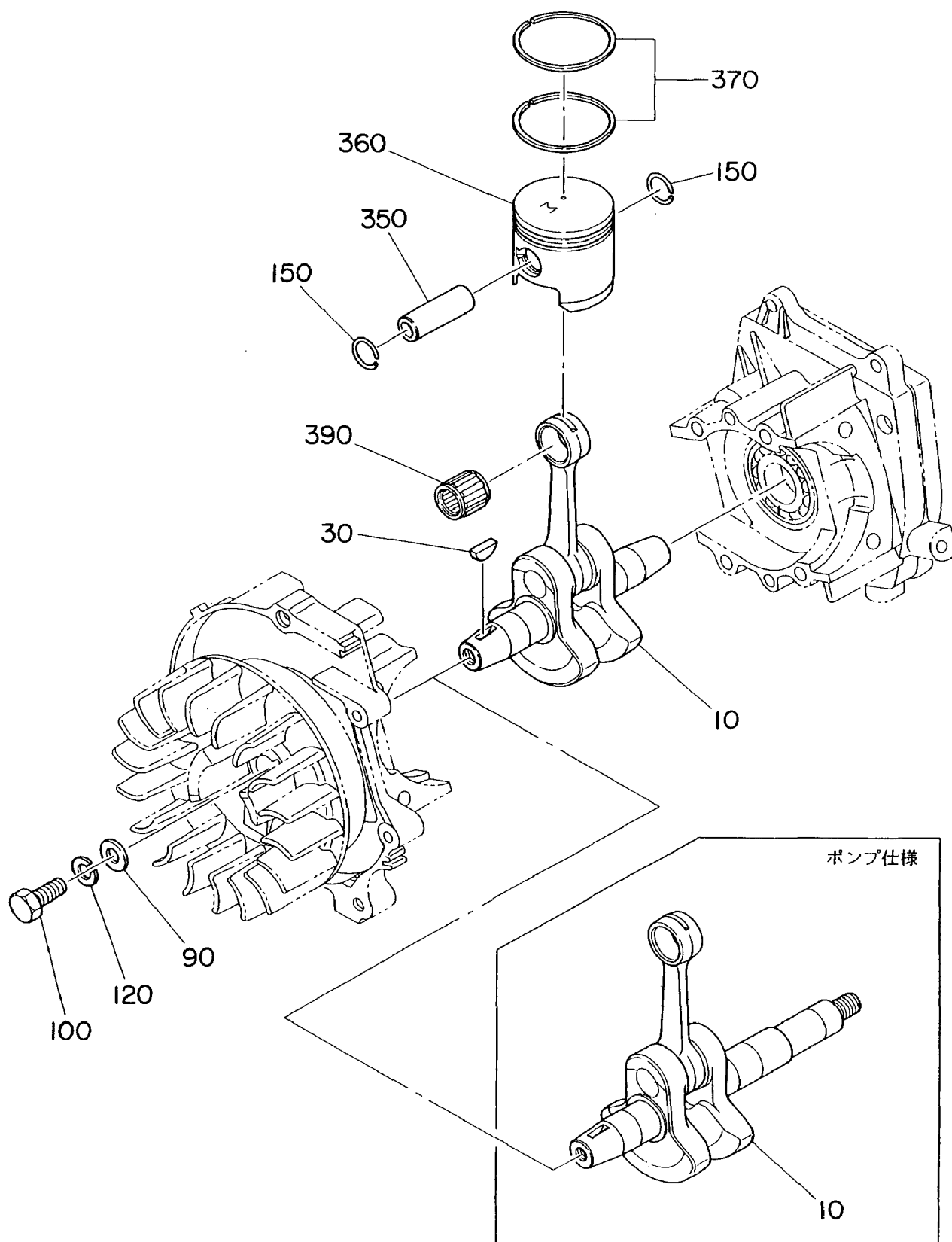


1 CRANKCASE & CYLINDER

REF. NO.	PART NUMBER		PART NAME		CODE NO. FROM-TO	INTERCHANGEABLE PART NUMBER	FIG. NO.
		PART NUMBER		SPEC.NO.			
10	541-10050-00		CRANKCASE CP		-		100
30	044-01599-71		OIL SEAL		-	KN21-116A	100
40	060-01598-80		B BEARING 6230C3		-		100
95	541-15012-00		GASKET(CRANKCASE)		-		100
170	541-15005-00		CYLINDER PACKING		-		100
300	011-90599-40		BOLT		-	EC03-9302	100
410	532-15000-00		CYLINDER		-		100
	541-15003-00		EC040ER0201		-		100
630	011-90699-90		BOLT,6X18		-	EC03-152	100
700	541-55003-00		CYLINDER COVER		-		100
701	004-35052-20		SCREW AY		-		100
702	004-37051-40		SCREW AND WASHER AY		-		100
703	002-17050-00		NUT		-		100
710	541-45000-00		BRACKET(WIRE)		-		100
711	014-90699-81		ADJUSTING SCREW		-	014-90600-40	100
712	002-27060-00		NUT		-		100
800	541-35028-00		PACKING		-		100
810	541-30070-00		LEAD CP		-		100
820	541-35012-00		PACKING		-		100
830	541-35033-00		INSULATOR		-		100
840	541-65023-00		GASKET(CARBURETOR)		-		100
850	004-37052-00		SCREW AND WASHER AY		-		100
913	541-40010-00		THROTTLE LEVER CP		-		100
914	541-45001-00		THROTTLE LEVER		-		100
915	541-45003-00		STOP PLATE		-		100
916	541-40020-00		ROD CP		-		100
917	129-45001-03		CRIP		-		100
918	017-80600-10		WING NUT		-		100
919	020-00700-10		WASHER		-		100
920	021-70600-20		FRICTION WASHER		-		100
950	* * * * *		LABEL				
	530-95023-00		EC030ER0202		-		100

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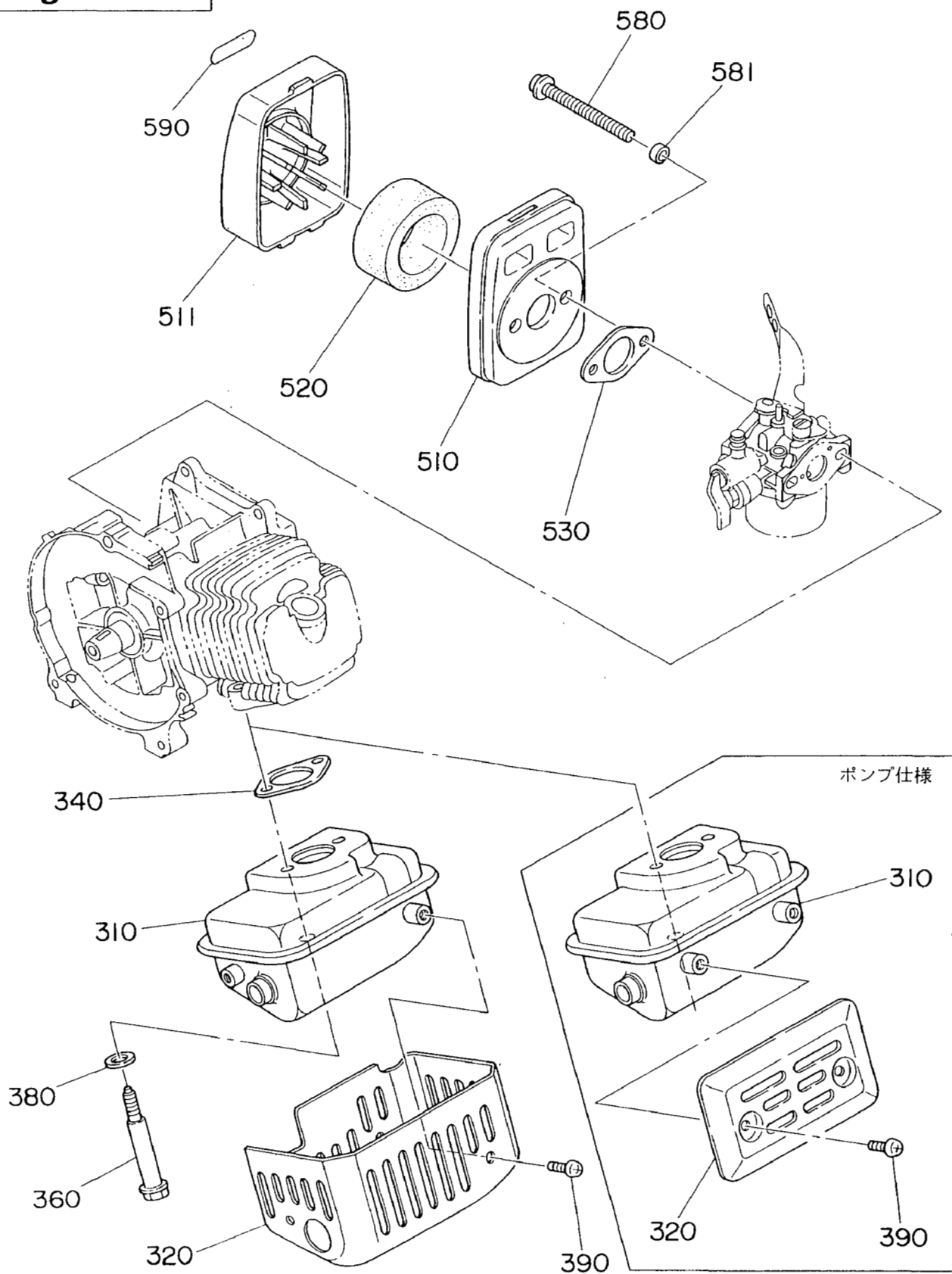
Fig. 200



2 CRANKSHAFT & PISTON

[illegible]

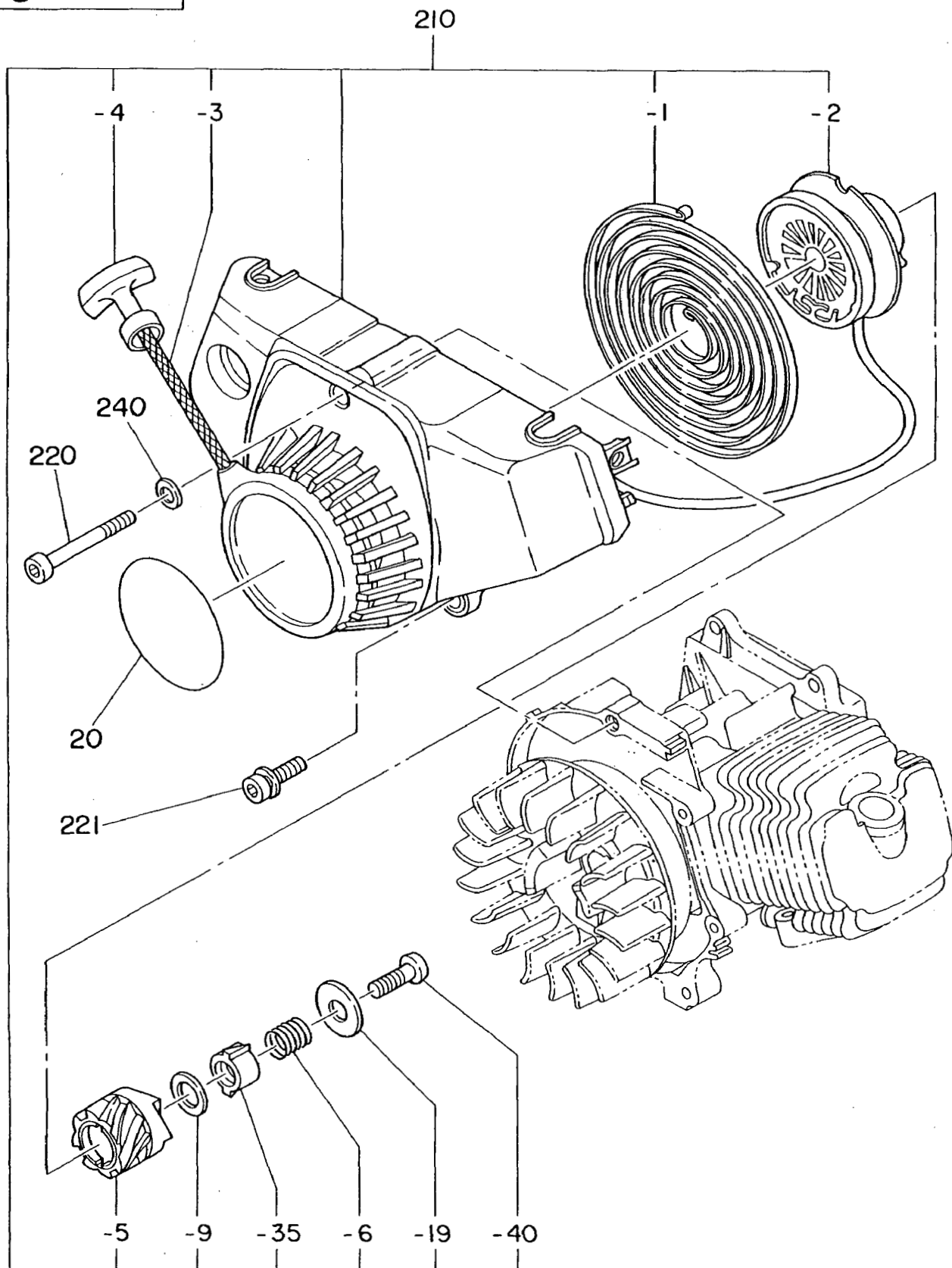
Fig. 300



3 MUFFLER, AIR CLEANER

[illegible]

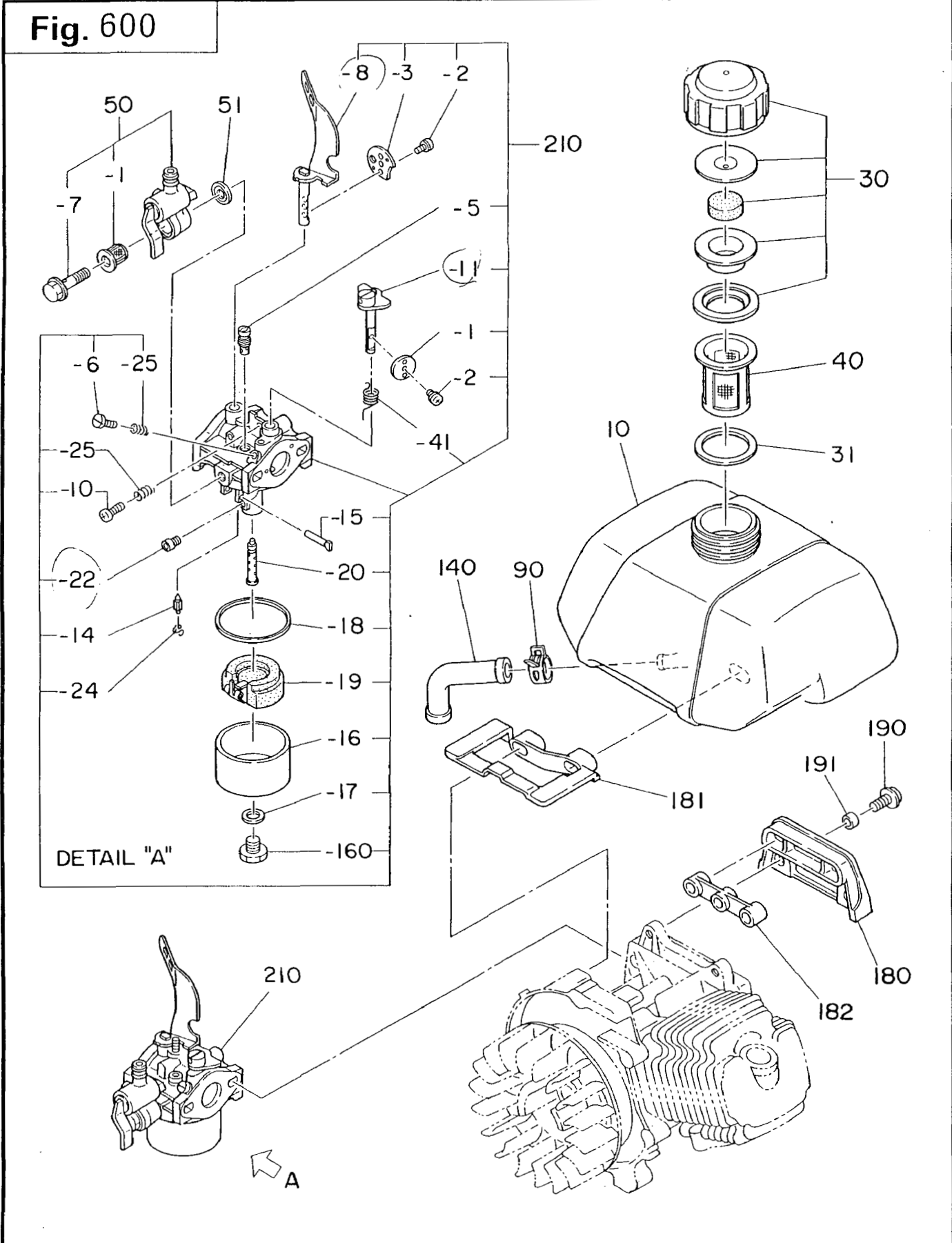
Fig. 500



5 RECOIL STARTER

[illegible]

Fig. 600



6 FUEL TANK & CARBURETOR

REF. NO.	PART NUMBER		PART NAME		CODE NO. FROM-TO	INTERCHANGEABLE PART NUMBER	FIG. NO.
		PART NUMBER		SPEC. NO.			
10		541-65012-00	FUEL TANK		-		600
30		510-60130-00	FUEL TANK CAP AY		-		600
31		551-65005-00	PACKING		-	EC05A-6111	600
40		064-12799-90	FILTER		-		600
50		541-60100-00	STRAINER COCK AY		-		600
- 1		541-65022-00	FILTER, STRAINER		-		600
- 7		541-65021-00	PIPE BOLT		-		600
51		690-45005-00	SEAL WASHER		-		600
90		056-11399-82	HOSE CLAMP		-	EC03-6102B	600
140		541-65002-00	FUEL HOSE		-		600
180		541-65003-00	TANK BRACKET		-		600
181		541-65019-00	RUBBER CUSHION(A)		-		600
182		541-65011-00	RUBBER CUSHION(B)		-		600
190		004-34051-40	SCREW AND WASHER AY		-		600
191		023-00599-90	SPACER		-	EC01A-6027	600
210		541-60020-00	CARBURETOR AY		-		600
- 1		230-62537-08	THROTTLE VALVE		-		600
- 2		237-62451-08	SCREW		-		600
- 3		230-62527-08	CHOKE SHAFT AY		-		600
- 5		209-62421-08	PILOT JET		-		600
- 6		213-62390-08	ADJUSTER		-		600
- 8		541-60021-40	CHOKE SHAFT AY		-		600
- 10		209-62352-08	SCREW		-		600
- 11		541-60021-30	THROTTLE SHAFT AY		-		600
- 14		541-60023-10	NEEDLE AY		-		600
- 15		214-62515-08	PIN		-		600
- 16		230-62550-08	FLOAT CHAMBER BODY		-		600
- 17		209-62345-08	WASHER		-		600
- 18		206-62540-08	CHAMBER PACKING		-		600
- 19		541-60022-10	FLOAT AY		-		600
- 20		541-60022-20	MAIN NOZZLE		-		600
- 22		128-62400-08	MAIN JET		-		600
- 24		230-62454-08	CLIP		-		600
- 25		210-62318-08	SPRING		-		600
- 41		541-60020-40	SPRING		-		600

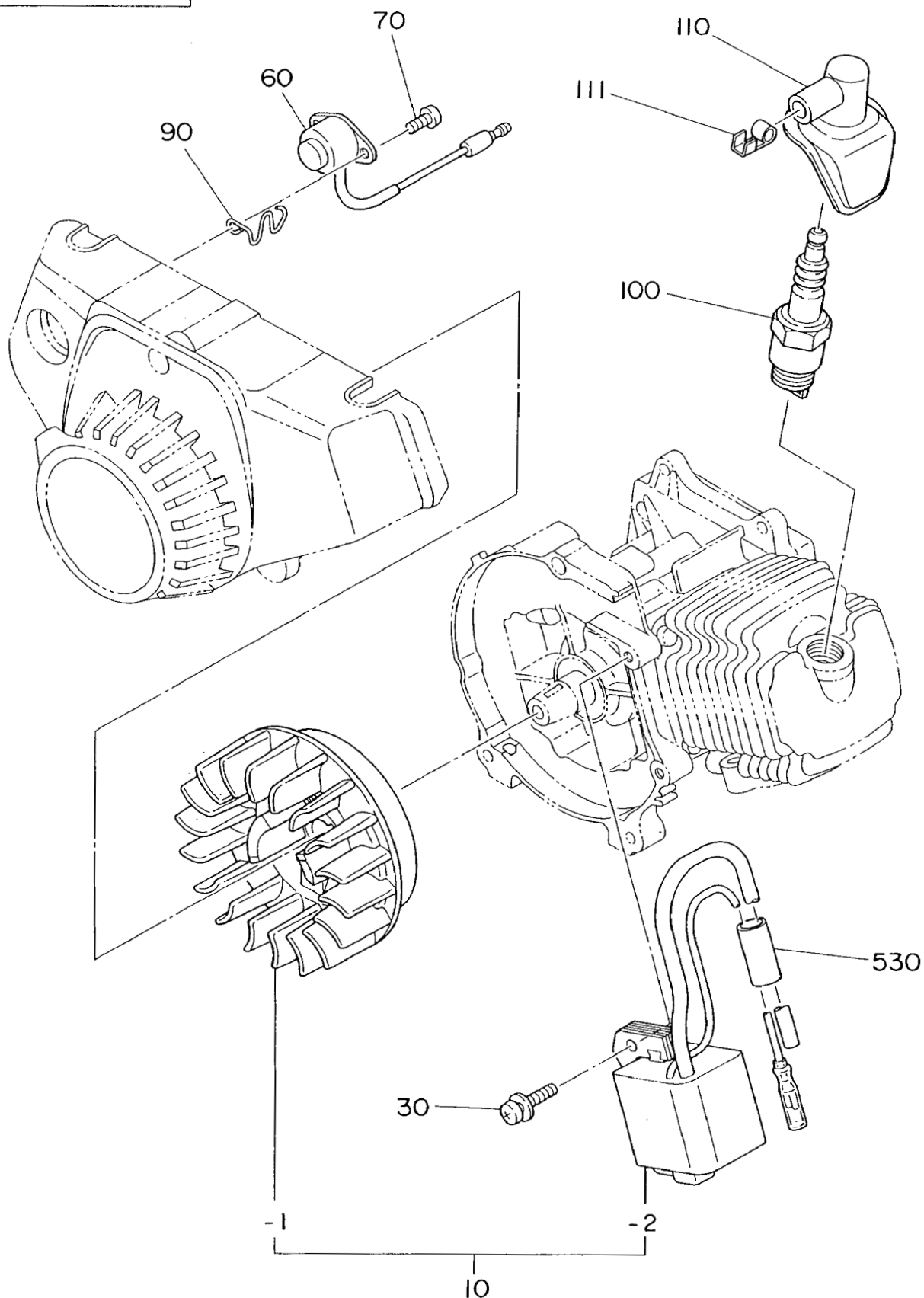
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[illegible]



Fig. 700

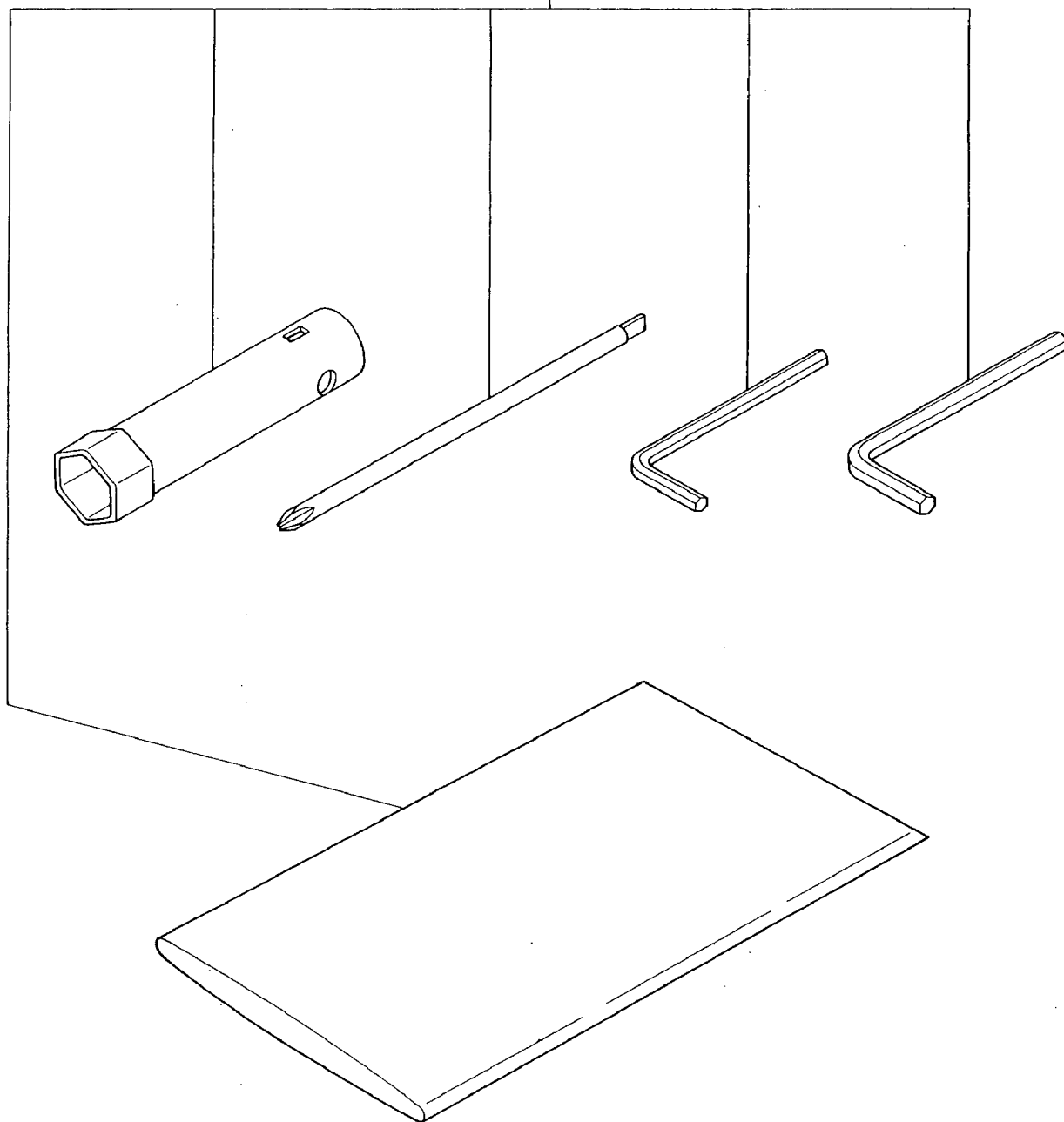


7 MAGNETO

[illegible]

Fig. 900

10



9 ACCESSOIRES

[illegible]



PART NUMBER INDEX LIST

PART NUMBER INDEX LIST

PART NUMBER	PART NAME	FIG. REF.	PART NUMBER	PART NAME	FIG. REF.
001-67061-60	BOLT	200 100	532-15000-00	CYLINDER	100 410
002-17050-00	NUT	100 703	532-25000-00	PISTON	200 360
002-27060-00	NUT	100 712	532-25001-00	PISTON RING	200 370
003-10050-00	WASHER	500 240	532-95000-00	LABEL	500 20
003-20600-00	SPRING WASHER	200 120	532-95001-00	LABEL	500 20
004-34051-40	SCREW AND WASHER AY	600 190	540-25006-00	PISTON RING	200 370
004-35052-20	SCREW AY	100 701	540-35024-00	MUFFLER COVER	300 320
004-36052-00	SCREW AY	700 30	540-35031-01	BOLT(MUFFLER)	300 360
004-37051-40	SCREW AND WASHER AY	100 702	541-10050-00	CRANKCASE CP	100 10
004-37052-00	SCREW AND WASHER AY	100 850	541-15003-00	CYLINDER	100 410
004-37066-50	SCREW AND WASHER AY	300 580	541-15005-00	CYLINDER PACKING	100 170
005-32031-01	WOODRUFF KEY	200 30	541-15012-00	GASKET(CRANKCASE)	100 95
011-90597-90	BOLT(SOCKET HEAD)	500 221	541-20010-00	CRANKSHAFT AY	200 10
011-90598-10	BOLT(SOCKET HEAD)	500 220	541-20070-00	CRANKSHAFT AY	200 10
011-90599-40	BOLT	100 300	541-25003-00	PISTON PIN	200 350
011-90699-90	BOLT,6X18	100 630	541-25008-00	PISTON	200 360
014-00599-20	SCREW	300 390	541-25013-00	NEEDLE BEARING	200 390
014-00599-61	SCREW	300 390	541-30070-00	LEAD CP	100 810
014-90699-81	ADJUSTING SCREW	100 711	541-30090-00	MUFFLER CP	300 310
015-00499-70	TAPPING SCREW	700 70	541-30120-00	MUFFLER CP	300 310
017-80600-10	WING NUT	100 918	541-30140-00	MUFFLER CP	300 310
020-00699-20	WASHER	200 90	541-35009-00	FILTER	300 520
020-00700-10	WASHER	100 919	541-35012-00	PACKING	100 820
020-00999-90	WASHER	300 380	541-35028-00	PACKING	100 800
021-70600-20	FRICITION WASHER	100 920	541-35032-00	MUFFLER COVER	300 320
023-00599-90	SPACER	600 191	541-35033-00	INSULATOR	100 830
023-00698-20	SPACER	300 581	541-35034-00	CLEANER BODY	300 510
044-01599-71	OIL SEAL	100 30	541-35035-00	CLEANER COVER	300 511
056-11399-82	HOSE CLAMP	600 90	541-35041-00	GASKET(FILTER)	300 530
056-50999-90	CLIP	200 150	541-40010-00	THROTTLE LEVER CP	100 913
060-01598-80	B BEARING 6230C3	100 40	541-40020-00	ROD CP	100 916
064-12799-90	FILTER	600 40	541-45000-00	BRACKET(WIRE)	100 710
065-01497-10	SPARK PLUG	700 100	541-45001-00	THROTTLE LEVER	100 914
065-40099-40	PLUG CAP SPRING	700 111	541-45003-00	STOP PLATE	100 915
066-20098-70	STOP BUTTON	700 60	541-50010-10	REEL	500 210 - 2
128-62400-08	MAIN JET	600 210 - 22	541-50010-20	RATCHET	500 210 - 5
129-45001-03	CRIP	100 917	541-50010-30	SPIRAL SPRING	500 210 - 1
129-62351-08	BOLT	600 210 -160	541-50010-40	RATCHET GUIDE	500 210 - 35
206-62540-08	CHAMBER PACKING	600 210 - 18	541-50010-50	FRICITION SPRING	500 210 - 6
209-62345-08	WASHER	600 210 - 17	541-50010-60	WASHER	500 210 - 19
209-62352-08	SCREW	600 210 - 10	541-50011-40	STARTER ROPE	500 210 - 3
209-62421-08	PILOT JET	600 210 - 5	541-50012-20	THRUST WASHER	500 210 - 9
210-62318-08	SPRING	600 210 - 25	541-50120-00	RECOIL STARTER AY	500 210
213-62390-08	ADJUSTER	600 210 - 6	541-55003-00	CYLINDER COVER	100 700
214-62515-08	PIN	600 210 - 15	541-60020-00	CARBURETOR AY	600 210
230-62454-08	CLIP	600 210 - 24	541-60020-40	SPRING	600 210 - 41
230-62527-08	CHOKE SHAFT AY	600 210 - 3	541-60021-30	THROTTLE SHAFT AY	600 210 - 11
230-62537-08	THROTTLE VALVE	600 210 - 1	541-60021-40	CHOKE SHAFT AY	600 210 - 8
230-62550-08	FLOAT CHAMBER BODY	600 210 - 16	541-60022-10	FLOAT AY	600 210 - 19
237-62451-08	SCREW	600 210 - 2	541-60022-20	MAIN NOZZLE	600 210 - 20
510-60130-00	FUEL TANK CAP AY	600 30	541-60023-10	NEEDLE AY	600 210 - 14
524-50010-10	SET SCREW	500 210 - 40	541-60100-00	STRAINER COCK AY	600 50
530-35007-00	GASKET(MUFFLER)	300 340	541-65002-00	FUEL HOSE	600 140
530-50021-10	STARTER KNOB	500 210 - 4	541-65003-00	TANK BRACKET	600 180
530-90030-00	ACCESSORY TOOL KIT	900 10	541-65011-00	RUBBER CUSHION(B)	600 182
530-95023-00	LABEL	100 950	541-65012-00	FUEL TANK	600 10

PART NUMBER INDEX LIST

PART NUMBER	PART NAME	FIG. REF.	PART NUMBER	PART NAME	FIG. REF.
541-65019-00	RUBBER CUSHION(A)	600 181			
541-65021-00	PIPE BOLT	600 50 - 7			
541-65022-00	FILTER,STRAINER	600 50 - 1			
541-65023-00	GASKET(CARBURETOR)	100 840			
541-70030-01	MAGNETO AY	700 10			
541-70030-11	FLYWHEEL	700 10 - 1			
541-70030-21	IG COIL	700 10 - 2			
541-75000-00	SPARK PLUG CAP	700 110			
541-75001-00	EARTH SPRING	700 90			
541-75003-00	TUBE	700 530			
541-95002-00	LABEL	500 20			
550-95005-00	LABEL	300 590			
551-65005-00	PACKING	600 31			
690-45005-00	SEAL WASHER	600 51			

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