

Robin Industrial Engines®

PARTS MANUAL

**Model
EY20V**

1193P209



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 NUMBER)	
<u>EY400DD1650</u>	<u>XXXX</u>
(SPECIFICATION #)	(CODE)

All 15 digit production numbers will be located in one of the following locations depending upon the engine model. The number will either be stamped onto a cylinder baffle or attached to one of the other locations by an easily visible label.

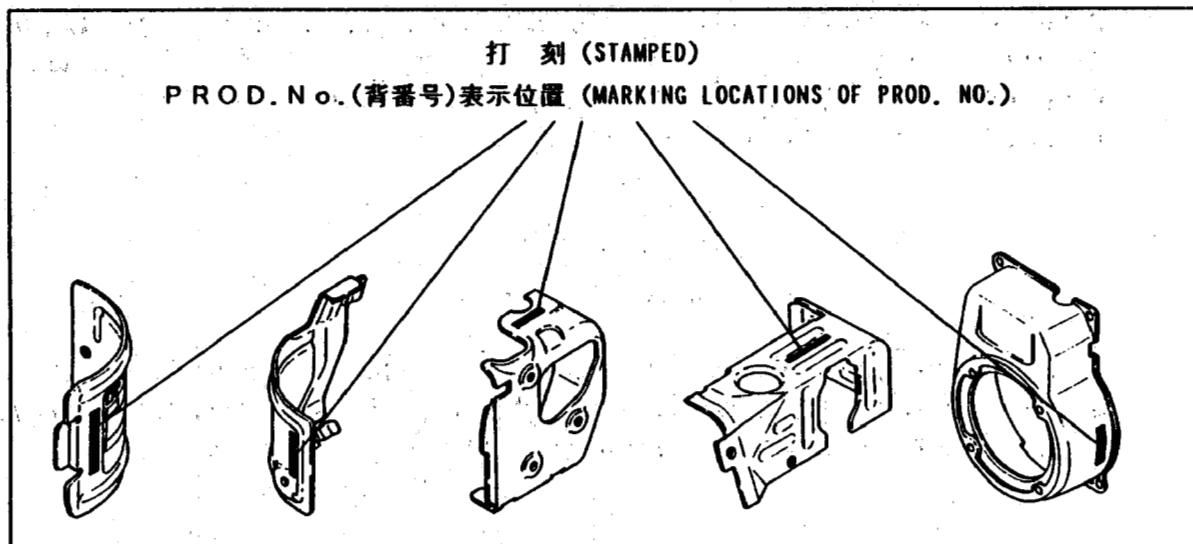
MARKING LOCATIONS OF PRODUCTION NUMBER

PROD.No.

How to check PROD. No.

PROD.No.(背番号)は、下記により確認して下さい。

Check PROD. No. as illustrated below.



PROD.No.(背番号)15桁は、シリンダーバッフル上に打刻、又はブロワーハウジングなど見易い位置にラベルの貼付など、いずれかで表示されています。

PROD.No. with 15 characters is marked either by stamping on the cylinder baffle or by sticking label to easily visible locations such as on the blower housing.

PROD.No.(背番号)

表示例

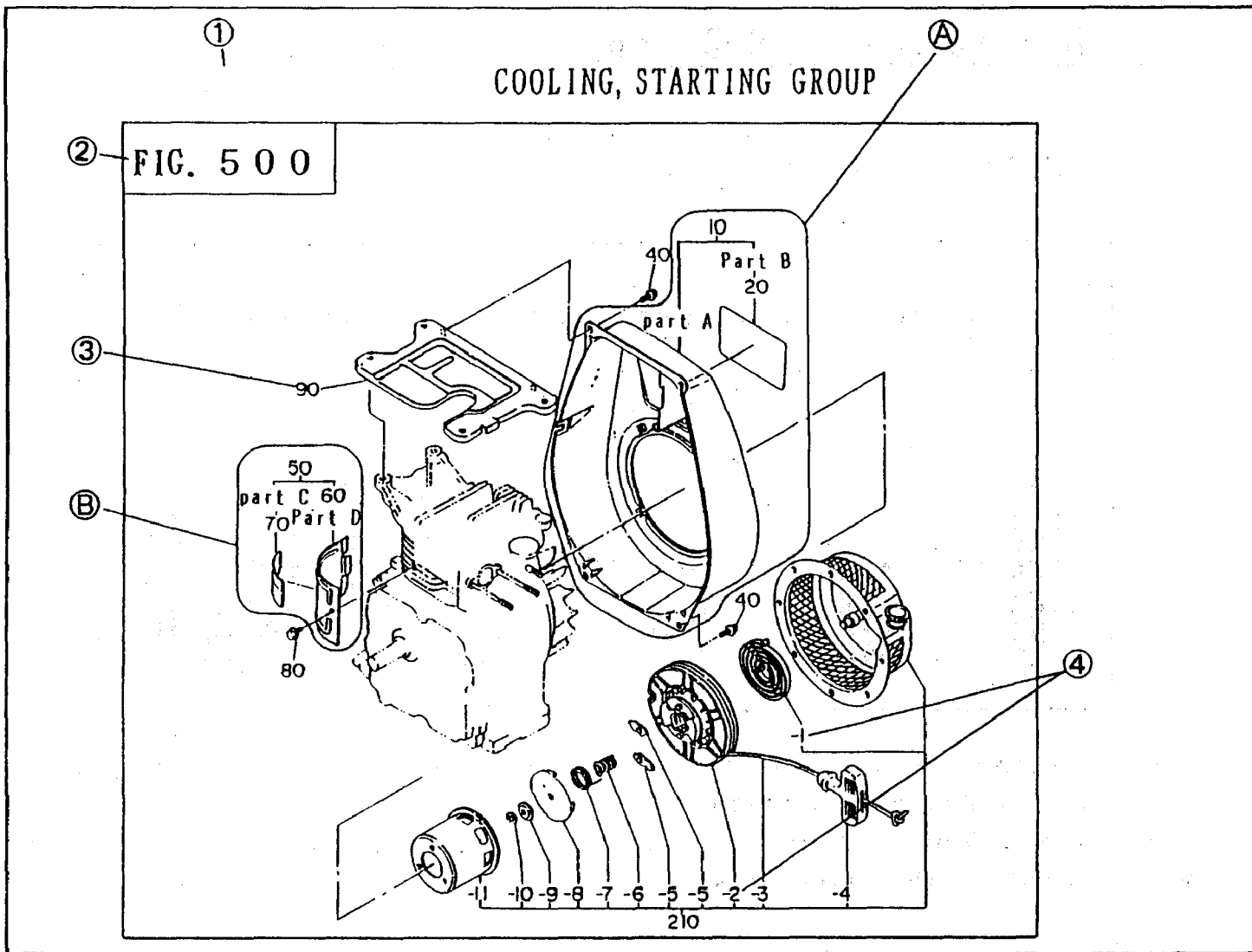
Marking example

PROD.No.○○△△△□□□□□□××××

PROD.No.○○△△△□□□□□□

××××

How to find the part of your need



NOTE: Some of the parts shown may be somewhat different from their actual shape and location. The illustrations of this catalog are intended to assist in ordering the correct part(s).

[TERMS]

(1) Group..... Parts are classified into functional groups. Refer to the group index for specific groups.

(2) Fig. No. Indicates illustration number and corresponds to the FIG. NO. in the list.

(3) Ref. No. Corresponds to Ref. No. in parts list.

Example A.... The part indicated by Ref. No. 10 consists of part A and B. Part A is available either in the form of an assembly, Ref. No. 10(A), or as a complete unit, A (CP). Part B is available as a part by itself.

Example B.... Parts C and D are available either as an assembly, Ref. No. 50(A) or as a complete unit, (CP). Both parts are available as a part by itself.

(4) Sub-divided Ref. No..... Refers to a separate part within a group that is available as an independent part.

COOLING, STARTING GROUP									
REF. NO.	PART NUMBER	PART NAME	Q'TY	REMARKS	CODE NO. FROM-TO	UNIT PRICE	FIG. NO.		
③ 10	234-51201-01	ブロー ハウジング CP BLOWER HOUSING CP	1	D形川 for D type	-		500		
	234-51101-01	ブロー ハウジング CP BLOWER HOUSING CP	1	B形川 for B type	-		500		
20	234-91701-03	ラベル(トレード マーク) LABEL (TRADE MARK)	1		-		500		
⑤ 50	234-52602-01	シリンダ バッフル CP CYLINDER BAFFLE CP	1	D形川 for D type	-		500		
	234-52601-01	シリンダ バッフル CP CYLINDER BAFFLE CP	1	B形川 for B type	-		500		
60	234-52601-03	シリンダ バッフル CYLINDER BAFFLE	1		-		500		
70	234-91802-03	ラベル(エンジン キー) LABEL (ENGINE NAME)	1	D形川 for D type	-		500		
	234-91801-03	ラベル(エンジン キー) LABEL (ENGINE NAME)	1	B形川 for B type	-		500		
80	011-00600-20	フランジ ボルト FLANGE BOLT	1		-		500		
90	234-52701-23	ヘッド カバー HEAD COVER	1		0091-		500		
	234-52701-13	ヘッド カバー HEAD COVER	1		0001-0090		500		
	234-52701-03	ヘッド カバー HEAD COVER	1		-0000		500		
210	234-50211-00	リコイル スターター AY RECOIL STARTER AY	1		-		500		
④ 1	106-50116-08	スパイラル スプリング SPIRAL SPRING	1		-		500		
2	207-50122-18	リール CP REEL CP	1		-		500		
3	106-50113-08	スターター ロープ STARTER ROPE	1				500		
4	206-50101-08	スターター ノブ STARTER KNOB	1				500		

(5) Part No.....Part number assigned to part used in the applicable product. Is the number to be ordered.

(6) Part Name..Brief description of part number..

(7) Quantity....Number of parts required for particular part number in applicable product.

(8) Remarks....Additional information (if applicable) required for applicable product.

(9) Code No... Indicates modification records and provides identification of the part used in the items with Production No. by referring to the Code No.

Example (C)

[-] The part has been continuously used in the applicable product regardless of Code No.

Example (D)

[0091-] Part used in the products with code number after 0091.

[0001-

0091] Part used in the products with code number between 0001 - 0091.

[- 0000] Part used in the products with code number before 0000.

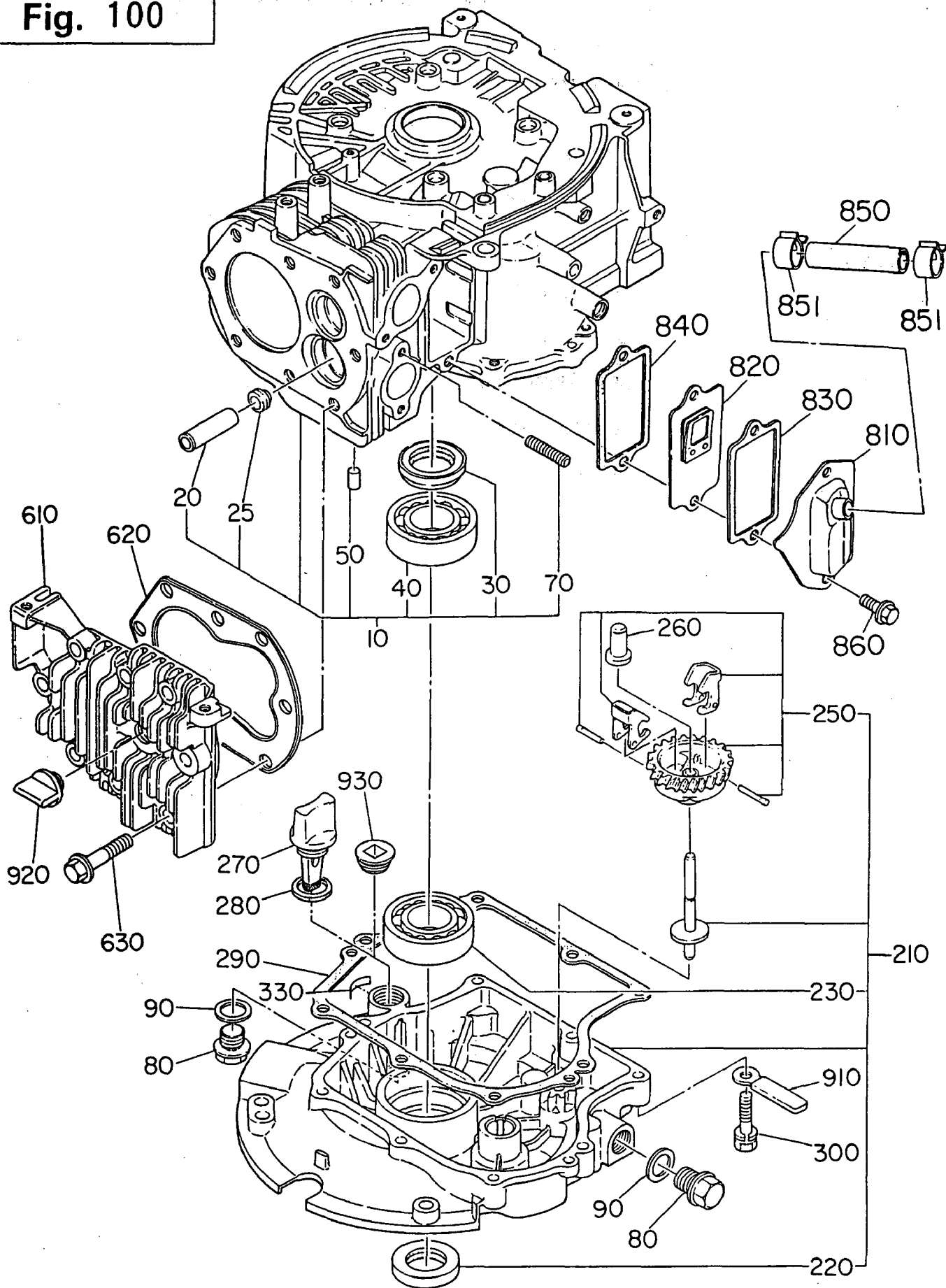
(10) Unit Price..Refer to Robin America published Parts Price Catalog for pricing.

[Note] Information on parts for Engines with a Code Number before 0001 and without a Production No. stamped on the engines are available by providing the engine serial number found stamped on the crankcase of the engine.

GROUP INDEX

GROUP NAME	FIG. NO.	PAGE
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GOVERNOR, OPERATE	400	8
COOLING, STARTING.....	500	10
FUEL, LUBRICANT	600	12
ELECTRIC DEVICE	700	16
FLYWHEEL BRAKE.....	1300	18

Fig. 100



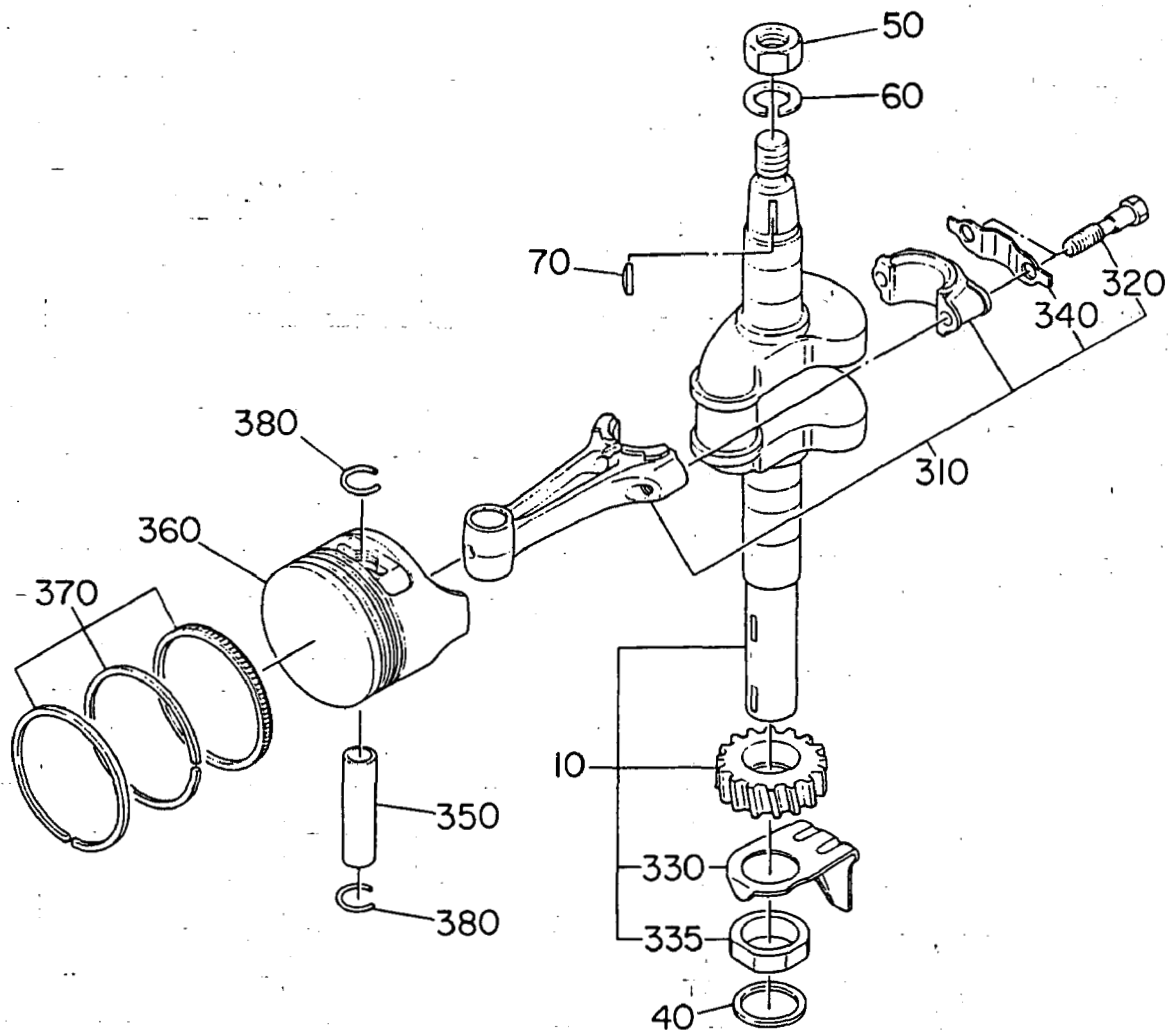
CRANKCASE GROUP

REF.	PART NUMBER	PART NAME	QTY	REMARKS	CODE NO. FROM-TO	INTERCHANGEABLE PART NUMBER	UNIT PRICE	FIG.
10	227-10701-01	CRANK CASE CP	1		-			100
20	227-14202-03	VALVE GUIDE	2		-			100
25	227-16301-03	OIL SEAL (INTAKE VLV)	1		-			100
30	044-02501-50	OIL SEAL	1	25X38X7	-			100
40	060-02500-10	BALL BEARING	1	BB6205C3	-			100
50	031-00600-20	DOWEL PIN	2		-			100
70	010-50601-31	STUD	2		-			100
80	040-11400-30	PLUG	2		-			100
90	021-11400-20	GASKET	2		-			100
210	226-11204-01	MAINBEARING COVER CP	1		-			100
220	044-02500-70	OIL SEAL	1	25X38X7	-	044-02500-10		100
230	060-02500-10	BALL BEARING	1	BB6205C3	-			100
250	226-45201-01	GOVERNOR GEAR CP	1		-			100
260	205-41901-03	GOVERNOR SLEEVE	1		-			100
270	226-63603-01	OIL GAUGE CP	1		-			100
280	021-31800-10	GASKET	1		-			100
290	227-16001-03	GASKET (BEARING COV)	1		-			100
300	013-00600-40	BOLT AND WASHER AY	8		-			100
340	226-63707-03	OIL FILLER	1		-			100
345	006-26101-50	O RING	1		-			100
346	226-67001-03	CLAMP (OIL FILLER)	1		-			100
347	001-10061-00	BOLT&WASHER AY	1		-			100
610	227-13301-03	CYLINDER HEAD	1		-			100
620	227-15001-11	GASKET CP (HEAD)	1		-			100
630	011-00800-10	FLANGE BOLT	6		-			100
631	226-17001-01	BOLT CP	2		-			100
632	002-38060-00	FLANGE NUT	2		-			100
635	226-77510-01	PLUG GUARD CP	1		-			100
810	226-16001-01	TAPPET COVER CP	1		-			100
820	227-16101-01	BREATHING PLATE CP	1		-			100
830	227-16006-03	GASKET (TAPPET COVER)	1		-			100
840	227-16007-03	GASKET (BREATHING PLA)	1		-			100
850	085-10800-00	RUBBER PIPE	1	8X11XM	-			100
851	056-11200-40	HOSE CLAMP	2		-			100
860	011-00600-20	FLANGE BOLT	2		-			100
960	227-99001-07	GASKET SET	1		-			100

93/10/05

EY200YV0030 E X. R / A - S T D. .

Fig. 200



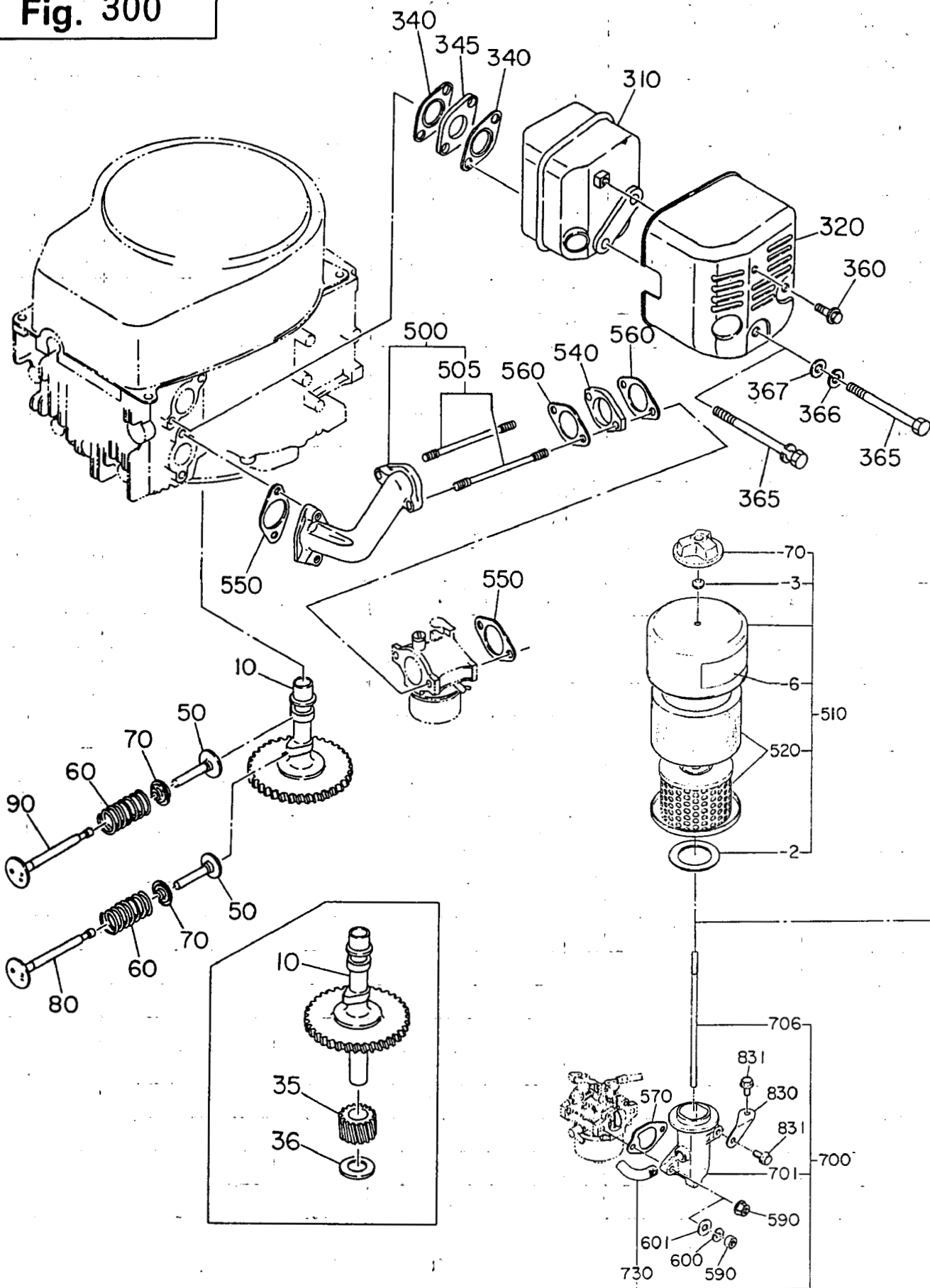
CRANKSHAFT, PISTON GR

[illegible]

93/10/05

INTAKE, EXHAUST GROUP

Fig. 300



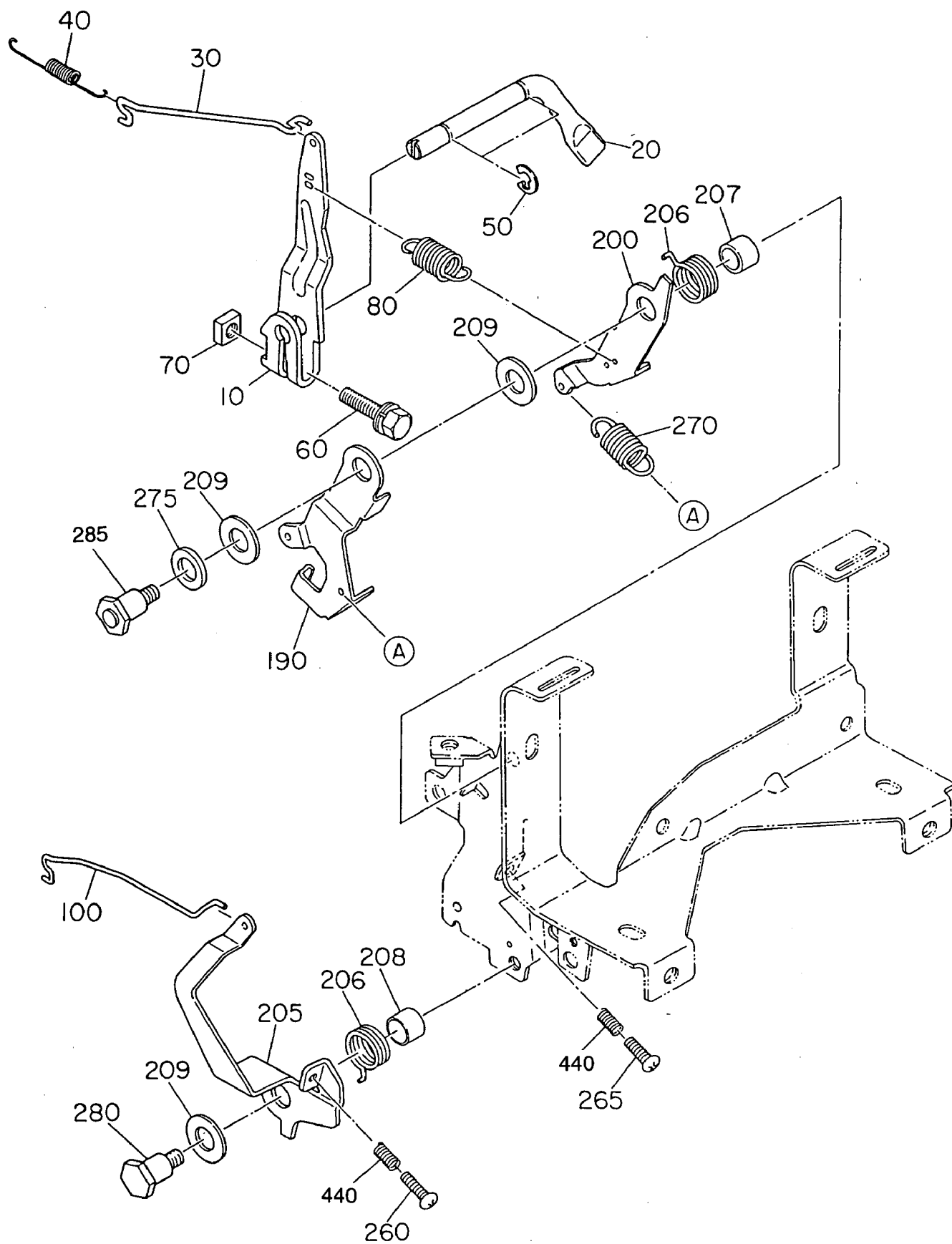
INTAKE, EXHAUST GROUP

REF.	PART NUMBER	PART NAME	QTY	REMARKS	CODE NO. FROM-TO	INTERCHANGEABLE PART NUMBER	UNIT PRICE	FIG.
10	227-31701-03	CAMSHAFT	1		-			300
50	227-33301-03	TAPPET	2		-			300
60	227-33601-03	VALVE SPRING	2		-			300
70	227-33701-03	SPRING RETAINER	2		-			300
80	227-33402-03	INTAKE VALVE	1		-			300
90	227-33501-13	EXHAUST VALVE	1		-			300
310	227-31101-01	MUFFLER CP	1		-			300
320	227-34502-01	MUFFLER COVER CP	1		-			300
340	214-35201-11	GASKET CP, EXHAUST	1		-			300
365	013-00801-00	BOLT AND WASHER AY	2		-			300
500	227-33101-11	INTAKE MANIFOLD CP	1		-			300
505	010-50601-40	STUD	2		-			300
510	227-32806-00	AIR CLEANER AY	1		-			330
- 2	227-32680-08	PACKING	1		-			330
- 3	227-32690-28	GROMMET	1		-			330
- 6	227-32701-08	LABEL V SNAPP	1		-			330
- 70	227-36523-03	CAP NUT	1		-			330
520	227-32803-17	ELEMENT SET	1		-			330
540	227-32901-13	INSULATOR	1		-			300
550	227-35901-03	GASKET (INSULATOR)	2		-			300
560	227-35904-03	GASKET 2 (INSULATOR)	1		-			300
570	227-35903-03	GASKET (INNER VENT)	1		-			300
590	226-39212-00	NUT AND WASHER AY	2		-			330
591	011-00600-10	FLANGE BOLT	1		-			330
700	227-33207-11	ELBOW 1 CP	1		-			330
701	227-33107-11	ELBOW CP2	1		-			330
706	010-50602-20	STUD	1		-			330
730	226-39201-01	PIPE CP, UNION	1		-			330
830	227-36521-11	SUPPORT CP, ELBOW	1		-			330
831	011-00600-20	FLANGE BOLT	2		-			330

93/10/05

EY200YV0030 EX. R/A-STD. .

Fig. 400



GOVERNOR, OPERATE GR

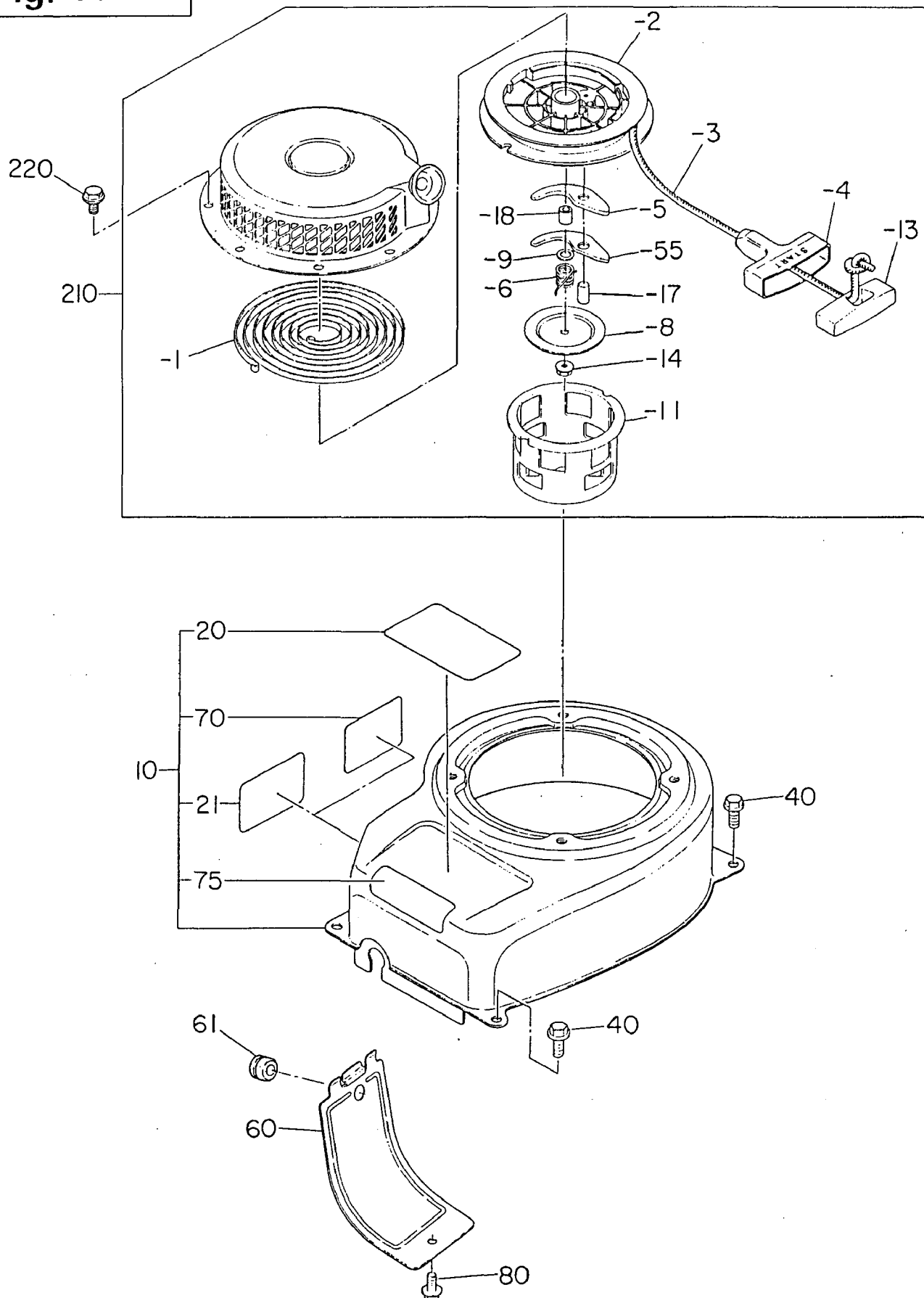
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EY200YV0030

EX, R/A-STD, ,

93/12/02

Fig. 500



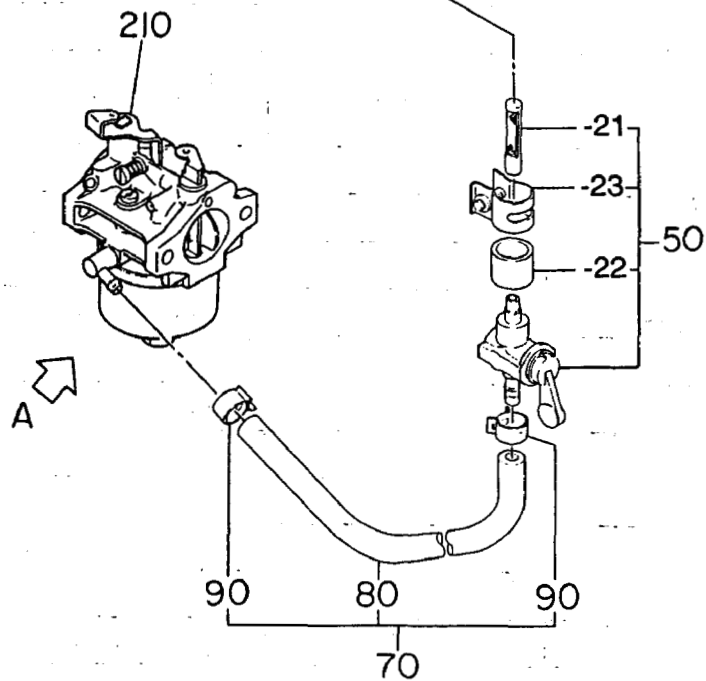
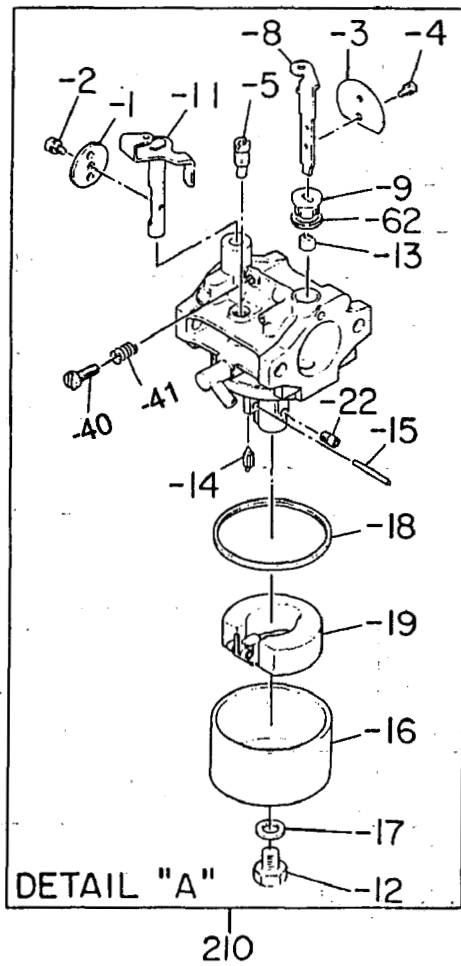
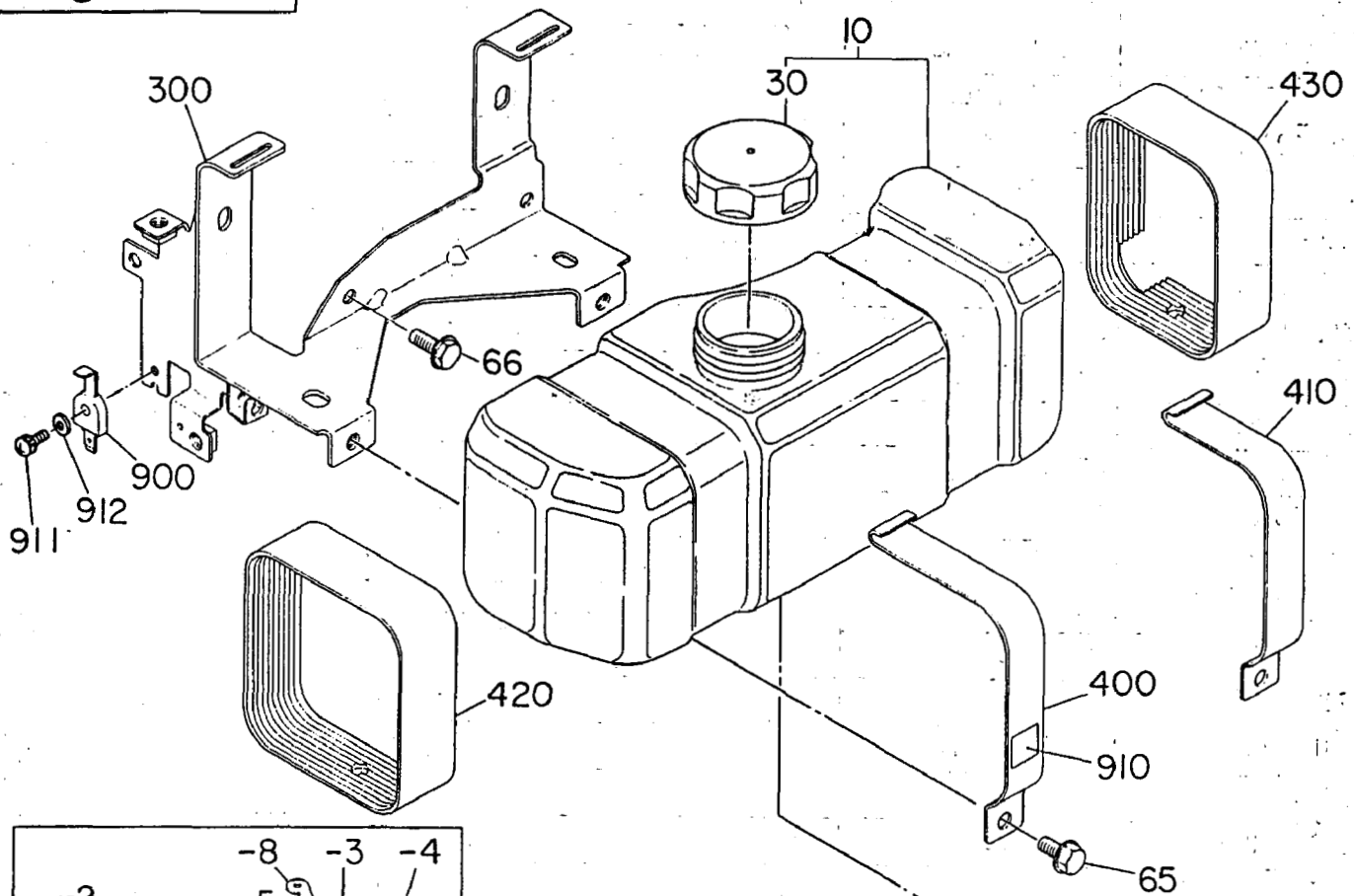
COOLING, STARTING GR

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93/10/05

EY200YV0030 EX. R/A-STD. .

Fig. 600



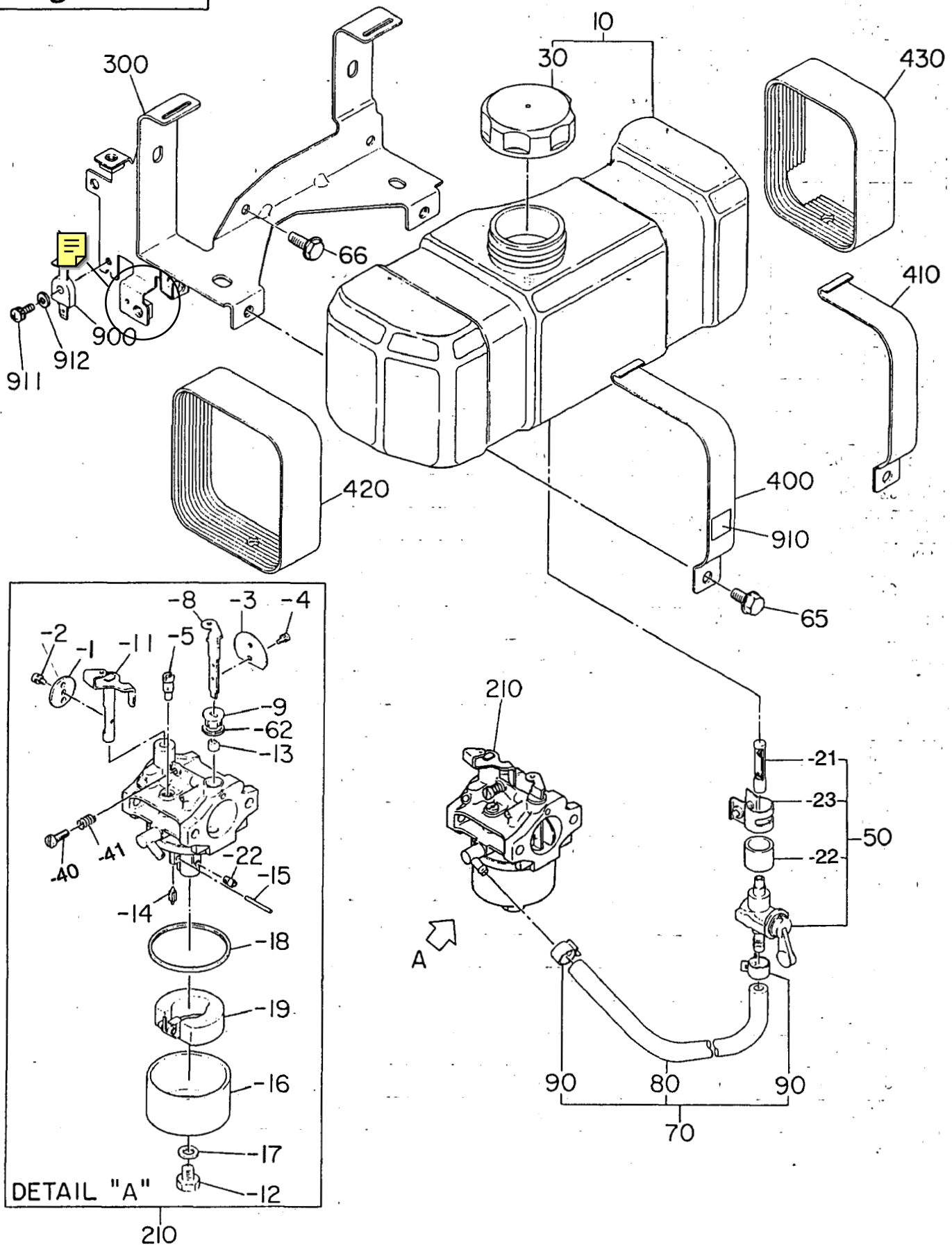
FUEL, LUBRICANT GROUP

REF.	PART NUMBER	PART NAME	QTY	REMARKS	CODE NO. FROM-TO	INTERCHANGEABLE PART NUMBER	UNIT PRICE	FIG.
10	226-61401-01	FUEL TANK CP	1		-			600
30	043-04400-80	FUEL TANK CAP CP	1		-			600
40	064-14200-20	FUEL FILTER	1		-			600
50	064-20044-02	FUEL STRAINER AY	1		-			600
- 21	064-20044-20	FILTER V-STD	1		-			600
- 22	064-20044-90	JYJOINT PIPE V-STD	1		-			600
- 23	064-20044-60	HOSE BAND AY V-STD	1		-			600
65	011-00600-20	FLANGE BOLT	4		-			600
66	015-20600-10	TAPPING BOLT	2		-	015-20600-30		600
70	226-62623-01	FUEL PIPE CP	1		-			600
80	085-10600-00	RUBBER PIPE	1	6X12XM	-			600
90	056-11000-30	HOSE CLAMP	2		-			600
95	226-75101-03	CLAMP	1		-			600
210	227-62407-00	CARBURETOR AY	1		-			600
- 1	106-62538-08	THROTTLE VALVE	1		-			600
- 2	150-62356-08	SCREW	1		-			600
- 3	226-62525-08	CHOKE VALVE	1		-			600
- 4	226-62351-08	SCREW	2		-			600
- 5	227-62421-08	PILOT JET	1		-			600
- 8	226-62572-08	LEVER	1		-			600
- 9	226-62555-08	RING	1		-			600
- 11	226-62536-08	SHAFT AY(THROTTLE)	1		-			600
- 12	214-62451-08	BOLT	1		-			600
- 13	226-62550-08	RING	1		-			600
- 14	157-62305-08	NEEDLE VALVE	1		-			600
- 15	214-62515-08	PIN	1		-			600
- 16	214-62551-08	FLOAT CHAMBER BODY	1		-			600
- 17	214-62450-08	PACKING	1		-			600
- 18	214-62540-08	CHAMBER PACKING	1		-			600
- 19	226-62506-08	FLOAT AY	1		-			600
- 22	227-62400-08	MAIN JET	1		-			600
- 24	226-62701-08	CLIP	1		-			600
- 25	226-62541-08	SPRING	1		-			600
- 32	106-62392-18	SEAL	1		-			600
- 40	226-62352-08	SCREW	1		-			600
- 41	209-62445-08	SPRING	1		-			600

93/10/05

EY200YV0030 EX, R/A-STD.

Fig. 600



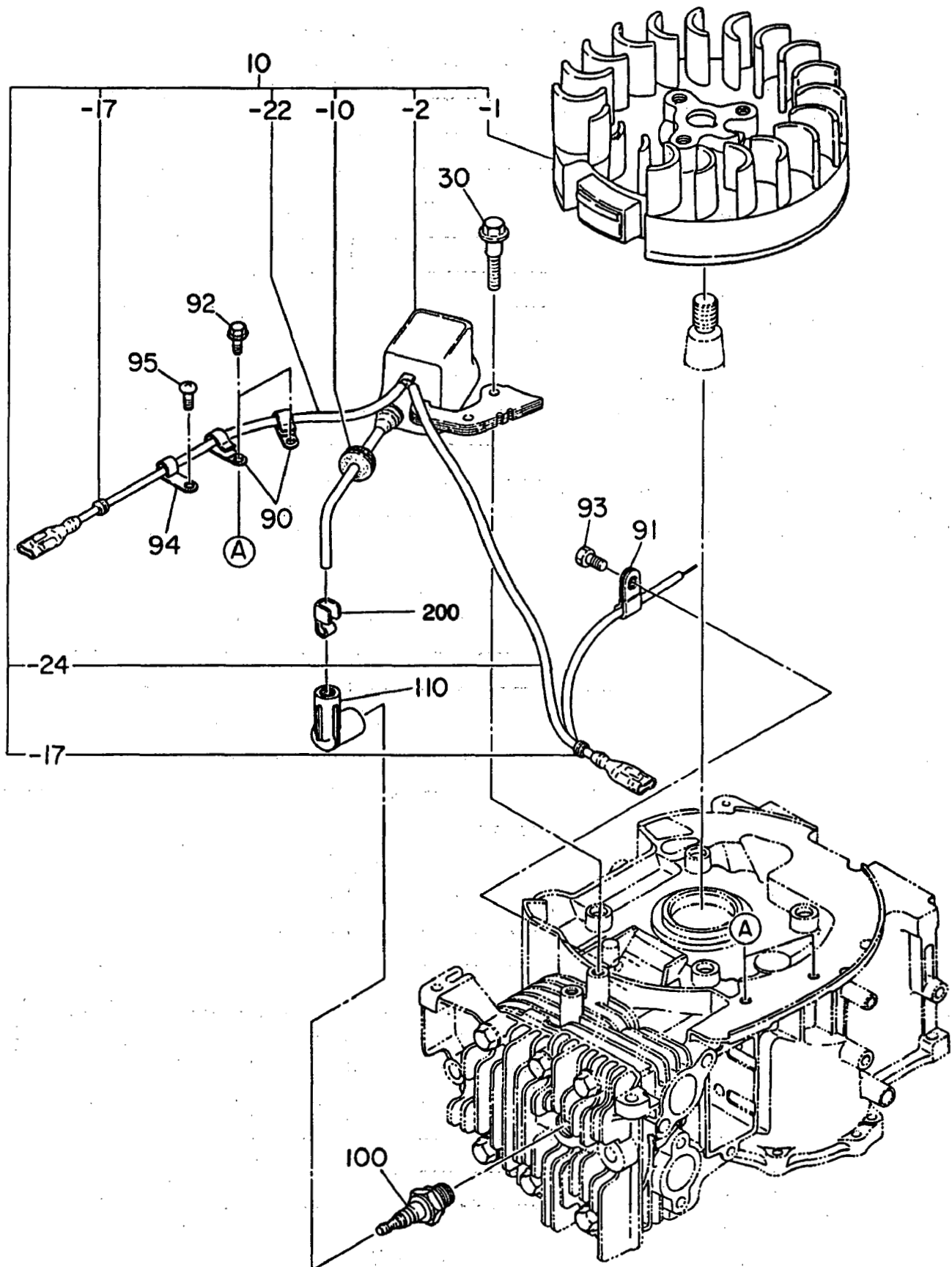
FUEL, LUBRICANT GROUP

[illegible]

93/10/05

EY200YV0030 EX, R/A-STD, .

Fig. 700



ELECTRIC DEVICE GR

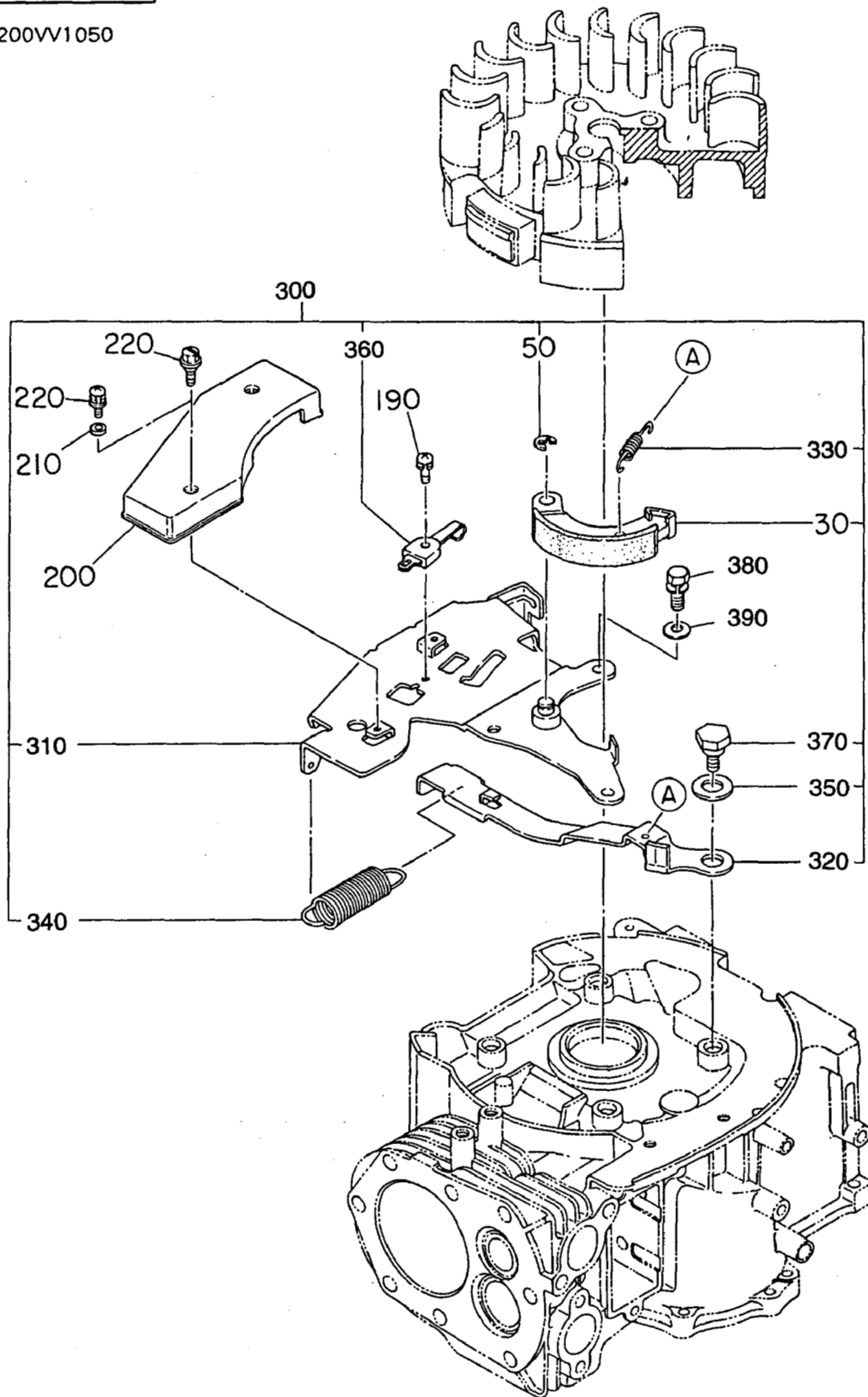
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EY200YV0030 EX, R/A-STD, .

Fig.1300

EY200VV1050



FLYWHEEL BRAKE

[illegible]

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EY200YV0030 E X, R/A-STD, ,

— NOTES —

— NOTES —

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