



-PARTS CATALOG-

Robin

Engines

Model

EC44PM

(HOVERCRAFT STD)

SPEC. NO.

EC440PM8500

(W/STARTING MOTOR & RECOIL STARTER)

EC440PM8510

(W/RECOIL STARTER)

 **FUJI HEAVY INDUSTRIES LTD.**

ISSUE EMD-EP0016

HOW TO USE THIS PARTS CATALOG

1. Reference numbers with an asterisk

Reference numbers marked with an asterisk indicate that the particular part is available only as a complete set or assembly.

Example:

If the reference number is marked with an asterisk and the description of the part states that certain items are included, this means that those included items cannot be ordered separately and must be purchased as a complete assembly.

2. Description of interchangeability and execution columns

Example: Interchangeability column

-  Items interchangeable between the new and old parts
-  Items not interchangeable between the new and old parts
-  Items conditionally interchangeable between the new and old parts which are subject to the description in the execution column.

Example: Execution column

- 010000
- 010001-
- For use for Serial No. up to 010000.
- Serial No.
- For use for Serial No. from 010001.

Example:

Interchangeable		Execution	Explanation
Part B		020000-	This indicates that A-part changed to B-part for generators with serial numbers from 20000, and that they are interchangeable.
Part A			
Part C		020000-	This indicates that A-part changed to B-part for generators with serial numbers from 15000, and that they are interchangeable. Also, B-part changed to C-part for generators with serial numbers from 20000 and that they are interchangeable.
Part B		015000-	
Part A			
Part A		020000-	This indicates that A-part is a new part for generators with serial numbers from 20000.
Part B		-030000	This indicates that B-part is no longer available for generators with serial numbers from 30001.
Part B		020000-	This indicates that A-part changed to B-part for generators with serial numbers from 20000, and that they are conditionally interchangeable (see NOTE described at the end of the section).
Part A			

3. The contents of this parts catalog are subject to revision without notice.

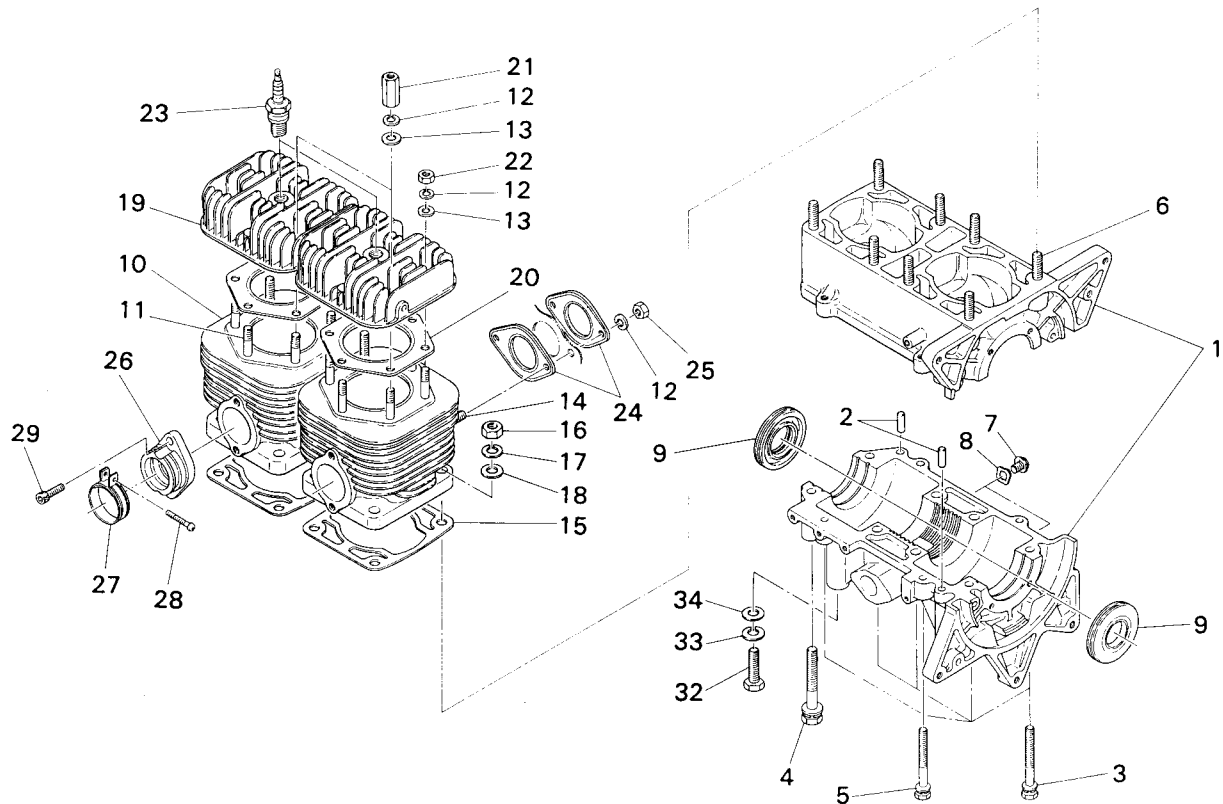
TO INSURE PROMPT AND ACCURATE SERVICE, THE FOLLOWING
INFORMATION MUST ALSO BE GIVEN.

1. State exactly the quantity of each part and its part number.
2. Clearly state whether parts are to be shipped by express, freight or parcel post.
3. State the exact mailing address.

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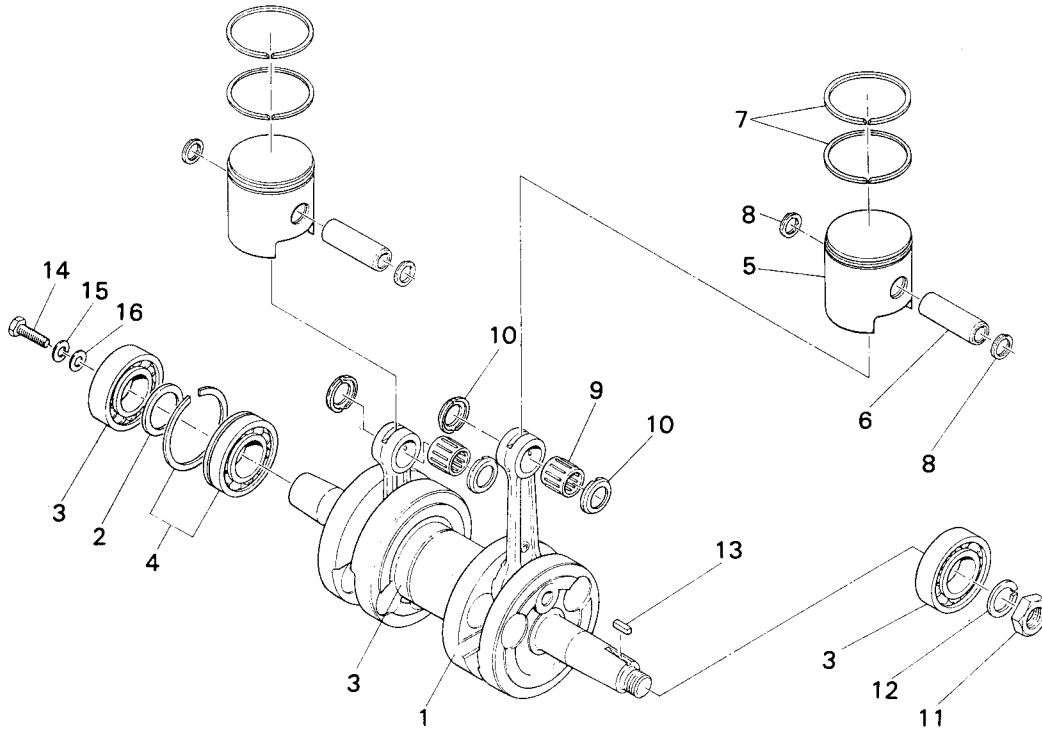
Fig. 1 CRANKCASE & CYLINDER



Interchangeability					Interchangeability				
Ref No.	Description	Part Number	Q'ty	Execution	Ref No.	Description	Part Number	Q'ty	Execution
* 1	CRANKCASE ASSEMBLY Includes items 2 thru 6	127 10201 30	1		19	CYLINDER HEAD	115 13001 03	2	
* 1	CRANKCASE ASSEMBLY Includes items 2 thru 6	115 10102 00	1		20	GASKET, complete, head	115 15101 11	2	
2	DOWEL PIN	031 00600 20	2		21	NUT	017 00800 50	2	
3	BOLT and WASHER ASSEMBLY	013 00800 20	6		22	NUT	002 18080 00	10	
4	BOLT and WASHER ASSEMBLY	013 01000 20	2		23	SPARK PLUG (BR9ES)	065 01402 50	2	
5	BOLT and WASHER ASSEMBLY	001 14085 00	4		24	GASKET, complete, exhaust	110 35201 01	4	
6	STUD	001 32105 01	8		25	NUT	017 20800 10	4	
7	PLUG	040 10800 10	2		26	ADAPTER, complete	110 65401 01	2	
8	WAVE WASHER	020 40800 10	2		*27	BAND ASSEMBLY Includes item 28	131 65601 00	2	
9	OIL SEAL	044 03000 50	2		28	SCREW	004 31043 50	2	
*10	CYLINDER, complete Includes items 11 and 14	115 12701 01	2		29	BOLT, socket head	011 90800 20	4	
11	STUD	001 32085 00	12		32	BOLT (for engine mount)	010 11200 10	4	
12	SPRING WASHER	003 20080 00	16		33	SPRING WASHER (for engine mount)	020 31200 10	4	
13	WASHER	003 10080 00	12		34	WASHER (for engine mount)	020 01200 90	4	
14	STUD	010 50800 60	4						
15	GASKET, cylinder	113 15008 03	2						
16	NUT	002 18100 00	8						
17	SPRING WASHER	003 21100 00	8						
18	WASHER	003 10100 00	8						

When ordering parts; Always give the Model, Specification and Serial Number of Engine.

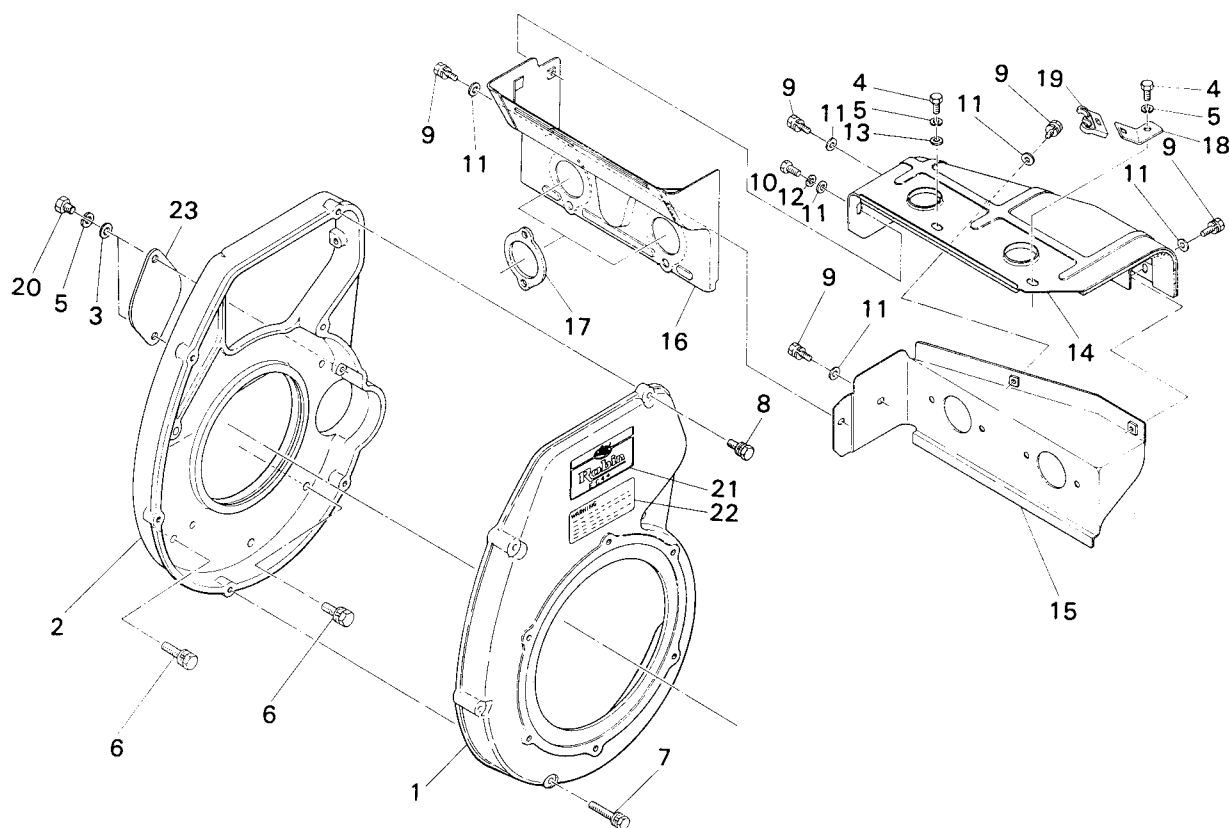
Fig. 2 CRANKSHAFT & PISTON



Interchangeability					Interchangeability				
Ref No.	Description	Part Number	Q'ty	Execution	Ref No.	Description	Part Number	Q'ty	Execution
* 1	CRANKSHAFT ASSEMBLY Includes items 2 thru 4	127 20101 10	1						
2	SPACER	023 03000 40	1						
3	BALL BEARING	060 03001 10	4						
4	BALL BEARING	060 03000 30	1						
5	PISTON, complete	115 23401 01	2						
6	PISTON PIN	115 23301 03	2						
7	PISTON RING	115 23501 03	4						
8	CLIP, piston pin	119 25004 03	4						
9	SMALL END BEARING	113 22901 03	2						
10	SPACER, piston pin	113 25008 13	4						
11	NUT	017 01800 11	1						
12	SPRING WASHER	020 31800 10	1						
13	KEY	005 30041 51	1						
14	BOLT (for pto shaft)	010 41200 10	1						
15	SPRING WASHER (for pto shaft)	003 20120 00	1						
16	WASHER (for pto shaft)	020 01200 80	1						

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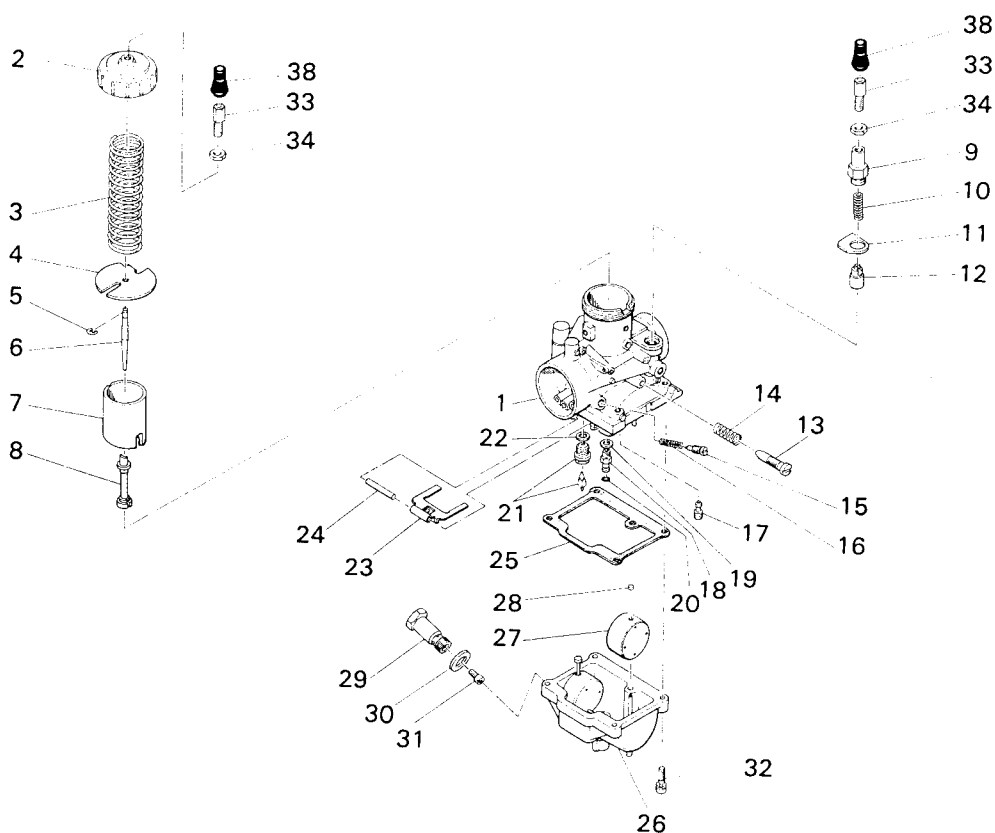
Fig. 3 BLOWER HOUSING



Interchangeability					Interchangeability				
Ref No.	Description	Part Number	Q'ty	Execution	Ref No.	Description	Part Number	Q'ty	Execution
* 1	BLOWER HOUSING 1 Includes item 21	115 51101 03	1		18	BRACKET 3	110 75104 01	1	
* 1	BLOWER HOUSING 1 UNIT	115 51101 02	1		19	SUPPORTER 2	110 75103 03	1	
2	BLOWER HOUSING 2	113 51301 33	1		20	BOLT (with starting motor)	001 66082 50	2	
3	WASHER	003 10080 00	2		20	BOLT (without starting motor)	001 65081 20	2	
4	BOLT	001 65081 20	2		21	LABEL, trade mark	115 91701 03	1	
5	SPRING WASHER	003 20080 00	4		22	LABEL, warning	115 95001 03	1	
6	BOLT and WASHER ASSEMBLY	001 14083 00	5		23	STARTER BRIND COVER (without starting motor)	113 55001 03	1	
7	BOLT and WASHER ASSEMBLY	001 14064 00	5						
8	BOLT and WASHER ASSEMBLY	001 14062 00	1						
9	BOLT and WASHER ASSEMBLY	001 10061 20	5						
10	BOLT	001 65061 00	1						
11	WASHER	003 10060 00	1						
12	SPRING WASHER	003 20060 00	1						
13	WASHER	003 11080 00	1						
14	CYLINDER BAFFLE 1, complete (black)	115 52604 01	1						
15	CYLINDER BAFFLE 2, complete (black)	115 52702 01	1						
16	CYLINDER BAFFLE 3, complete	115 52803 01	1						
17	GASKET, intake	115 35101 03	2						

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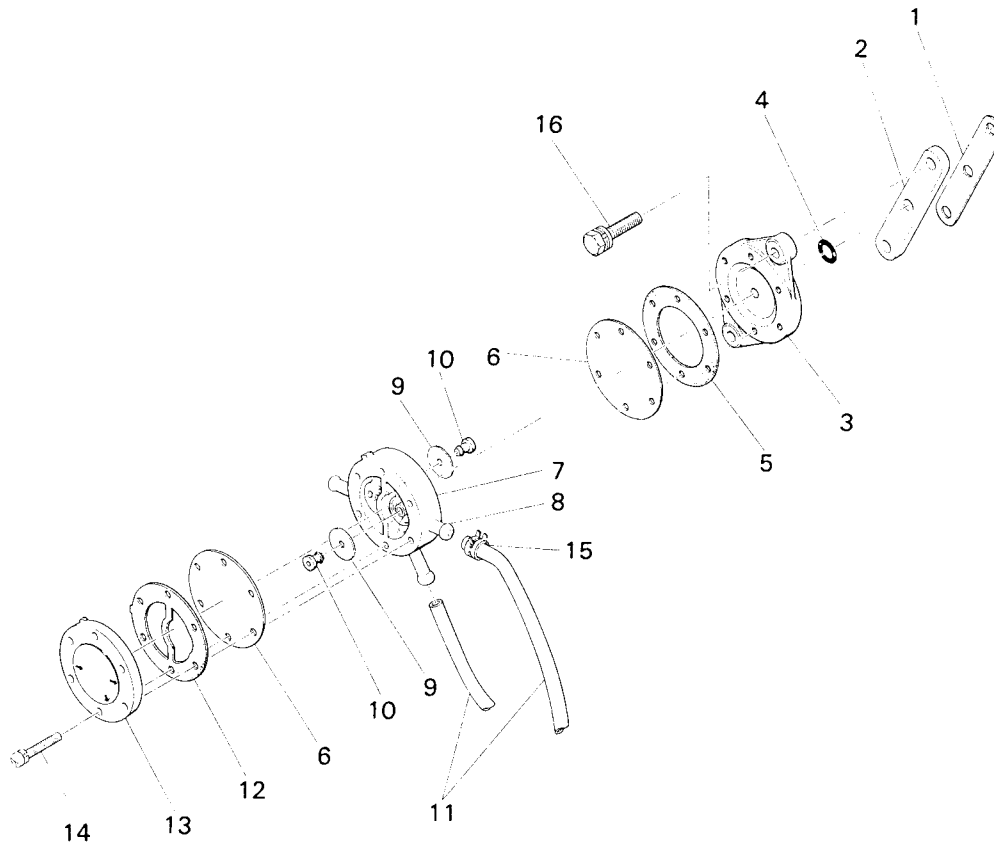
Fig. 4 CARBURETOR



Interchangeability					Interchangeability				
Ref No.	Description	Part Number	Q'ty	Execution	Ref No.	Description	Part Number	Q'ty	Execution
1	CARBURETOR ASSEMBLY	115 62305 00	2		25	FLOAT CHAMBER PACKING	109 62541 08	1	
3	SPRING, throttle	109 62318 08	1		27	FLOAT ASSEMBLY	115 62505 08	2	
4	PLATE, throttle	115 62310 08	1		28	CAP	110 62351 08	2	
5	E-RING	109 62363 08	1		29	BANJO BOLT	115 62361 08	1	
6	JET NEEDLE	108 62305 08	1		30	WASHER	109 62371 08	1	
7	THROTTLE VALVE, 3.0	115 62533 08	1		31	MAIN JET, #220	110 62304 08	1	
8	NEEDLE JET, P.O.	131 62300 08	1		32	SCREW and WASHER ASSEMBLY	115 62362 08	4	
9	HOLDER GUIDE	115 62367 08	1		33	THROTTLE ADJUSTER	115 62355 08	2	
10	PLUNGER SPRING	107 62320 08	1		34	ROCK NUT	115 62354 08	2	
11	WASHER, plunger	115 62364 08	1		38	CAP, rubber	115 62356 08	2	
12	STARTER PLUNGER ASSEMBLY	108 62325 08	1						
13	THROTTLE STOP SCREW	115 62359 08	1						
14	SPRING, throttle adjuster	115 62445 08	1						
15	AIR SCREW	109 62435 08	1						
16	SPRING, air adjuster	109 62445 08	1						
17	PILOT NET, #45	110 62421 08	1						
18	NEEDLE JET SETTER	109 62378 08	1						
19	WASHER, needle jet setter	107 62354 08	1						
20	3.7mm DIA. O-RING	109 62369 08	1						
21	NEEDLE VALVE, 1.5	109 62501 08	1						
22	PACKING, needle valve	209 62312 08	1						
23	FLOAT ARM	109 62511 08	1						
24	FLOAT PIN	127 62515 08	1						

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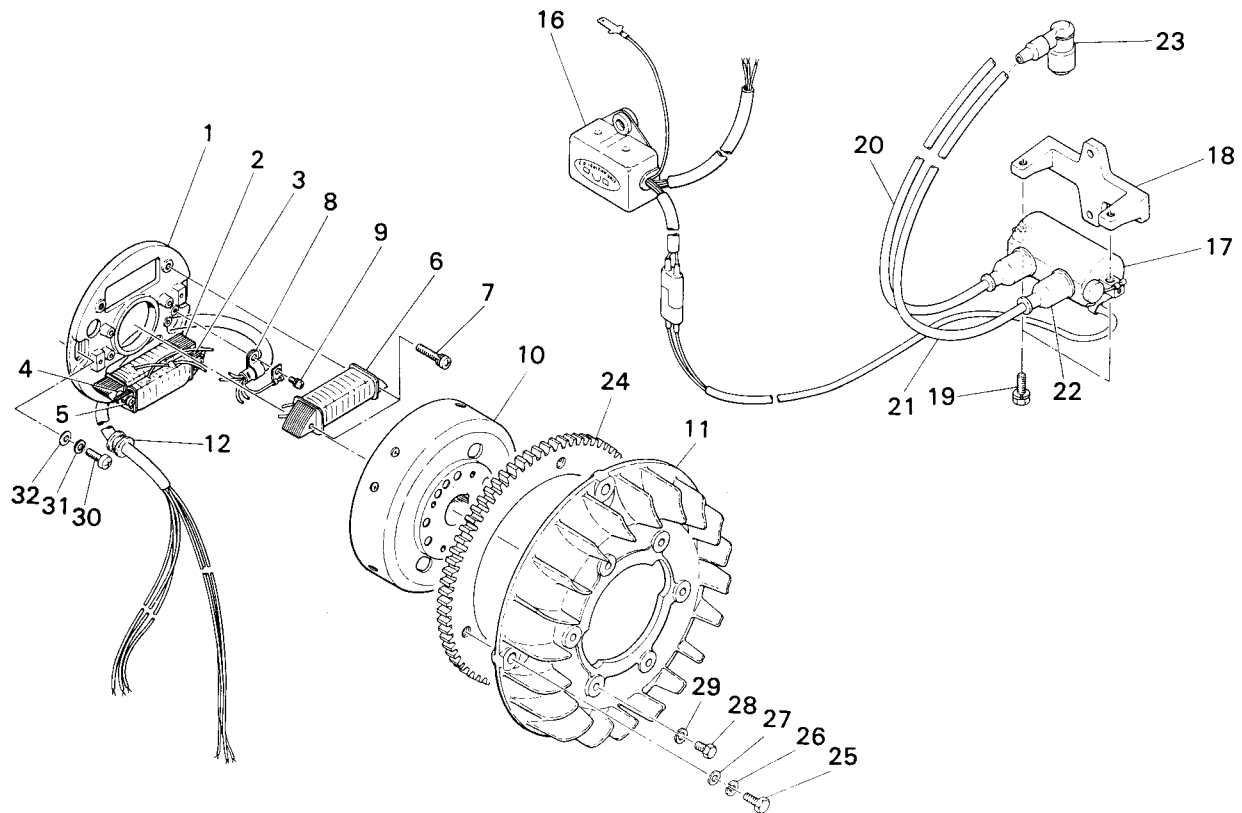
Fig. 5 FUEL PUMP



Interchangeability					Interchangeability				
Ref No.	Description	Part Number	Q'ty	Execution	Ref No.	Description	Part Number	Q'ty	Execution
1	GASKET, insulator	108 65002 03	1						
2	INSULATOR	108 65001 03	1						
* 3	FUEL PUMP ASSEMBLY Includes items 4 thru 10 and Includes items 12 thru 14	127 62201 00	1						
5	PACKING, bottom	107 62235 08	1						
6	DIAPHRAGM	107 62200 18	2						
6	DIAPHRAGM	107 62200 08	2						
11	RUBBER PIPE	085 10600 80	2						
12	PACKING, cap	107 62240 08	1						
14	SCREW and WASHER ASSEMBLY	130 62251 08	6						
15	HOSE CLAMP	056 11100 20	4						
16	BOLT and WASHER ASSEMBLY	001 11062 80	2						

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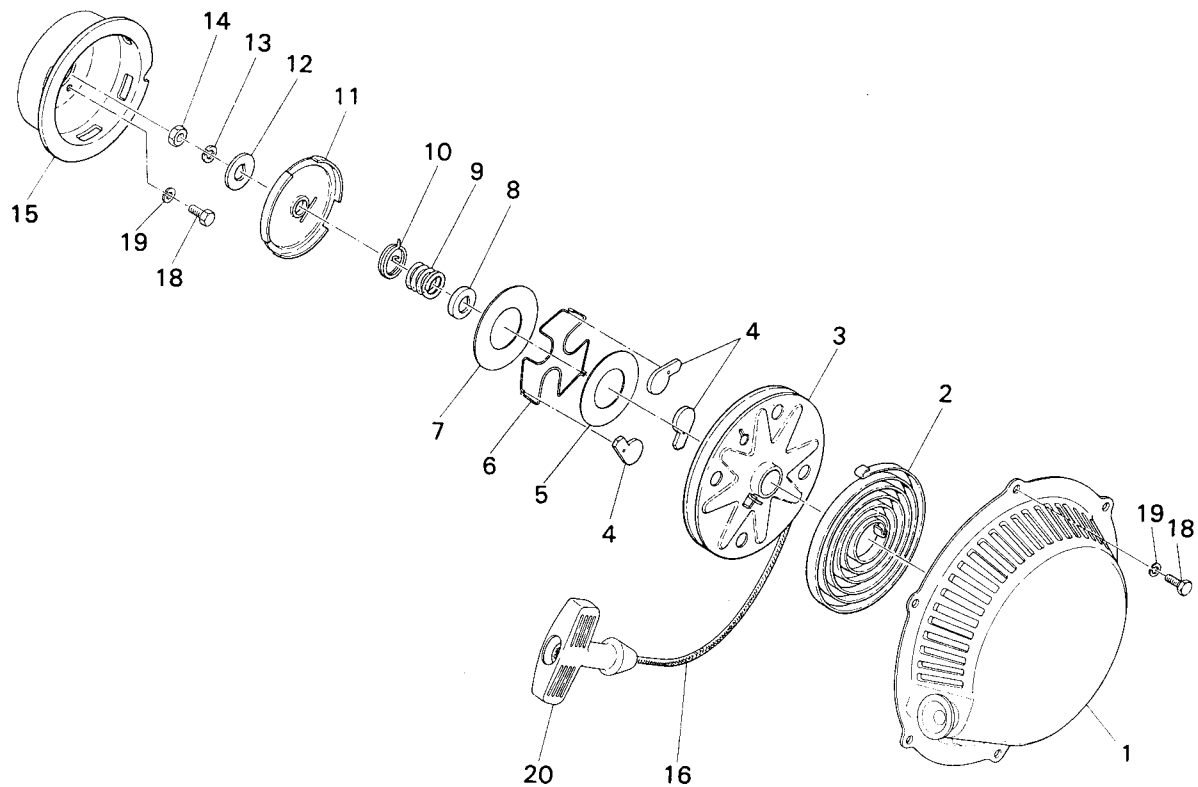
Fig. 6 MAGNETO



Interchangeability					Interchangeability				
Ref No.	Description	Part Number	Q'ty	Execution	Ref No.	Description	Part Number	Q'ty	Execution
* 1	MAGNETO ASSEMBLY Includes items 1 thru 12 and Includes items 28 thru 29	115 70102 00	1		21	HIGHTENTION WIRE (L=700)	115 71211 08	1	
* 1	PLATE ASSEMBLY Includes items 2 thru 9 and Includes item 12	115 70111 08	1		22	CAP, rubber	115 71215 08	2	
2	EXCITER COIL	115 70135 08	1		23	SPARK PLUG CAP	065 50001 30	2	
3	PULSER COIL	115 70152 08	1		24	RING GEAR (with starting motor)	113 71001 03	1	
4	COLLAR	131 70162 08	2		25	BOLT (with starting motor)	001 66082 00	4	
5	SCREW and WASHER ASSEMBLY	113 70164 08	2		26	SPRING WASHER (with starting motor)	003 20080 00	4	
6	LIGHTING COIL	115 70140 08	1		27	WASHER (with starting motor)	003 10080 00	4	
7	SCREW and WASHER ASSEMBLY	131 70150 08	2		28	BOLT	110 70167 08	6	
8	CLAMP	108 70155 08	1		29	SPRING WASHER	110 70152 08	6	
9	SCREW and WASHER ASSEMBLY	207 70656 08	1		30	SCREW	004 31061 60	2	
10	FLYWHEEL ASSEMBLY Includes items 11 and 28 and Includes item 29	115 70121 08	1		31	LOCK WASHER	003 30060 00	2	
12	GROMMET	108 70157 08	1		32	WASHER	003 11060 00	2	
16	C.D.I. SYSTEM, complete	115 72201 01	1						
17	IGNITION COIL, complete Includes items 17 thru 22	115 71201 01	1						
18	BRACKET	115 71225 08	1						
19	BOLT and WASHER ASSEMBLY	113 71210 08	2						
20	HIGHTENTION WIRE (L=850)	115 71210 08	1						

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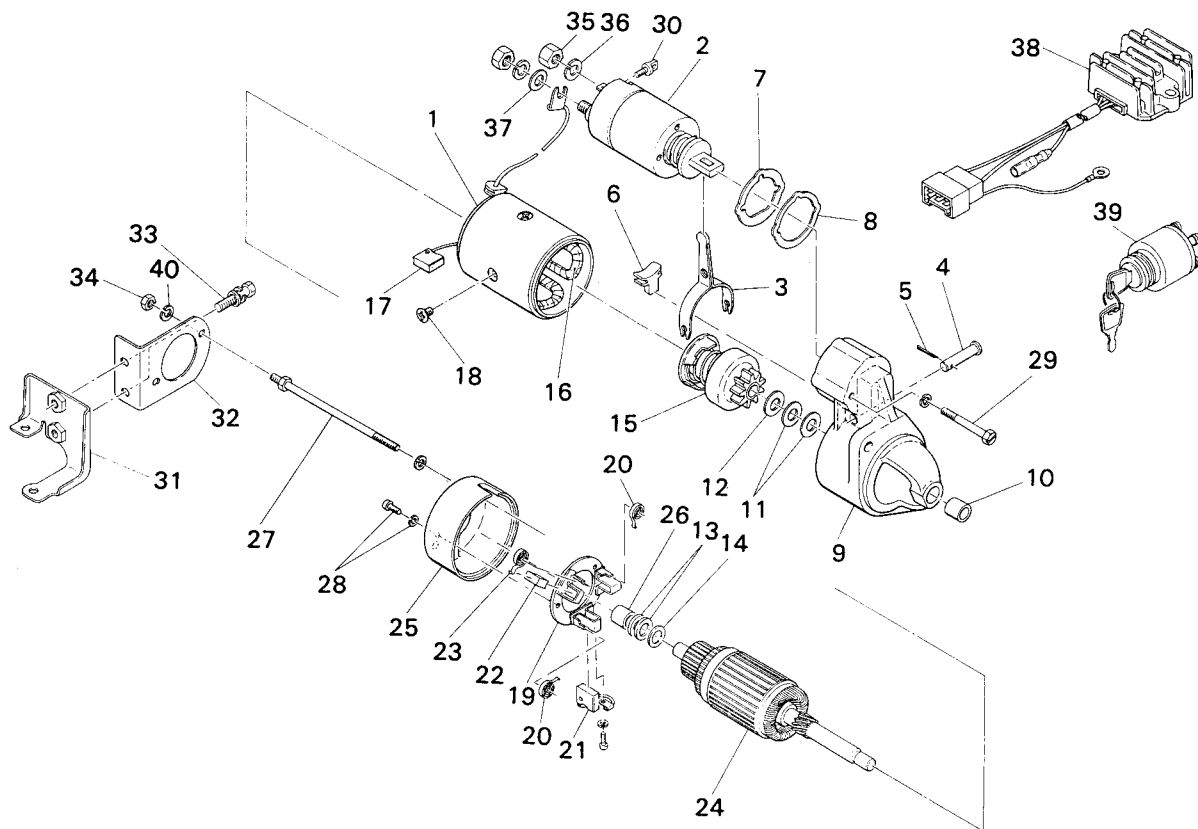
Fig. 7 RECOIL STARTER



Interchangeability					Interchangeability				
Ref No.	Description	Part Number	Q'ty	Execution	Ref No.	Description	Part Number	Q'ty	Execution
* 1	RECOIL STARTER, complete Includes items 2 thru 14 and Includes items 16 and 20	115 50103 01	1						
1	STARTER CASE, complete	115 50150 08	1						
2	POWER SPRING	133 50115 08	1						
4	RACHET	115 50125 08	3						
5	SLIDE PLATE, B	131 50150 08	1						
6	RETURN SPRING, B	115 50136 08	3						
7	SLIDE PLATE	131 50151 08	1						
8	WASHER A	115 50151 08	1						
9	FRICTION SPRING	115 50130 08	1						
10	RETURN SPRING	115 50135 08	1						
11	FRICTION PLATE	115 50140 08	1						
12	WASHER, B	113 50151 08	1						
13	SPRING WASHER	206 50154 08	1						
14	NUT	206 50153 08	1						
15	STARTING PULLEY	115 50145 08	1						
16	STARTER ROPE	206 50112 08	1						
18	BOLT	001 66061 20	10						
19	SPRING WASHER	003 20060 00	10						
20	STARTER KNOB, complete	206 50101 08	1						

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Fig. 8 STARTING MOTOR



Interchangeability					Interchangeability				
Ref No.	Description	Part Number	Q'ty	Execution	Ref No.	Description	Part Number	Q'ty	Execution
* 1	STARTING MOTOR ASSEMBLY Includes items 2 thru 30	113 70501 20	1		*25	REAR COVER ASSEMBLY Includes item 26	113 70505 08	1	
2	MAGNETIC SWITCH, complete	115 70516 08	1		26	REAR COVER BEARING METAL	113 70510 08	1	
* 3	SHIFT LEVER SET Includes items 4 and 5	113 70525 08	1		27	THROUGH BOLT	115 70560 08	2	
* 6	DUST COVER KIT Includes items 7 and 8	115 70551 08	1		28	SCREW and WASHER ASSEMBLY	004 35041 00	2	
* 9	GEARCASE COVER Includes item 10	115 70500 08	1		31	BRACKET 1, complete	115 75001 01	1	
10	GEARCASE BEARING METAL	113 70510 08	1		32	BRACKET 2	115 75002 01	1	
* 11	THRUST WASHER KIT Includes items 12 thru 14	115 70550 08	1		33	BOLT and WASHER ASSEMBLY	001 11061 40	2	
15	PINION, complete	113 70556 08	1		34	NUT	002 27050 00	2	
*16	FIELD COIL ASSEMBLY Includes items 17 and 18	113 70552 08	1		35	NUT	002 27080 00	2	
17	BRUSH, +	115 70535 08	1		36	SPRING WASHER	003 20080 00	2	
18	POLE CORE SET SCREW	113 70553 08	4		37	WASHER	003 10080 00	1	
*19	BRUSH HOLDER ASSEMBLY Includes items 20 thru 23	113 70530 08	1		38	REGULATOR	115 71902 01	1	
20	BRUSH SPRING	113 70545 08	2		39	SWITCH	066 00001 10	1	
21	BRUSH, -	115 70540 08	1		40	SPRING WASHER	003 20050 00	2	
22	BRAKE	113 70544 08	1						
23	BRAKE SPRING	113 70555 08	1						
24	ARMATURE ASSEMBLY	113 70550 08	1						

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