



-PARTS CATALOG-

Robin

Engines

Model

EC44-2PM

(HOVER CRAFT STD)

SPEC. NO.

EC442PM8510

(W/STARTING MOTOR & RECOIL STARTER)

EC442PM8520

(W/RECOIL STARTER)

 **FUJI HEAVY INDUSTRIES LTD.**

ISSUE EMD-EP0419

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:

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

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

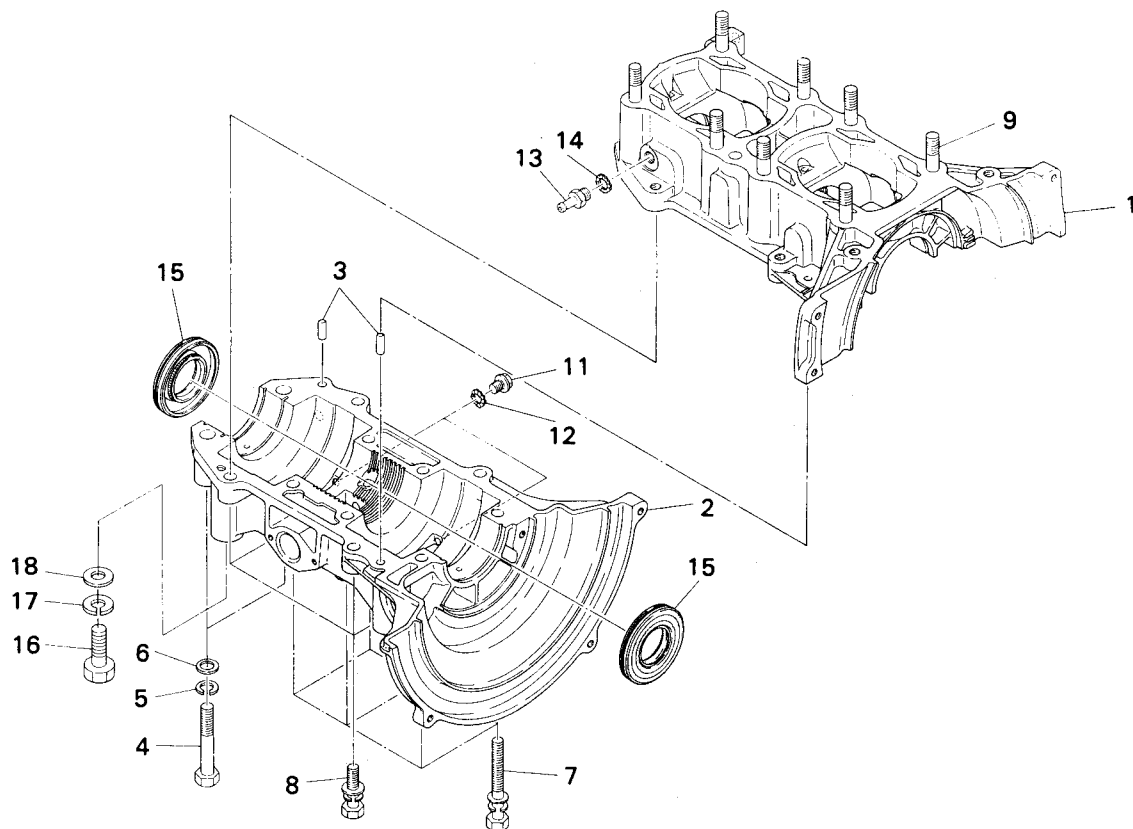
TO INSURE PROMPT AND ACCURATE SERVICE, ALSO THE FOLLOWING
INFORMATION MUST BE GIVEN.

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.

CONTENTS

Fig. 1	CRANKCASE	1
Fig. 2	CYLINDER	2
Fig. 3	CRANKSHAFT & PISTON	3
Fig. 4	BLOWER HOUSING & RECOIL	4
Fig. 5	CARBURETOR	5
Fig. 6	FUEL PUMP	6
Fig. 7	MAGNETO	7
Fig. 8	STARTING MOTOR	8
Fig. 9	ACCESSORIES	9

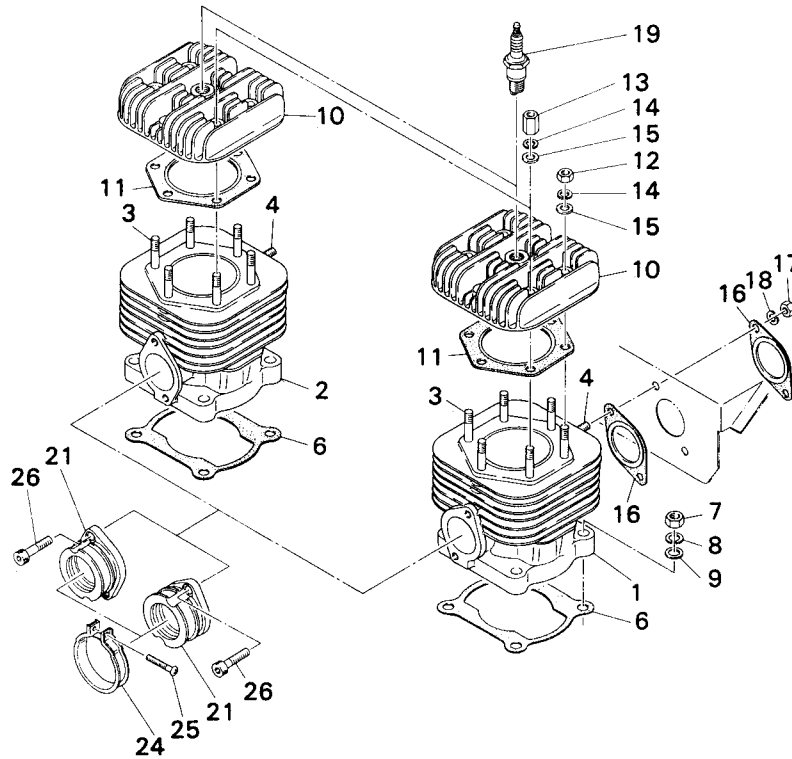
Fig. 1 CRANKCASE



Interchangeability					Interchangeability				
Ref No.	Description	Part Number	Q'ty	Execution	Ref No.	Description	Part Number	Q'ty	Execution
* 1	CRANKCASE ASSEMBLY Includes items 1 thru 9	150 10101 10	1						
3	DOWEL PIN	031 00600 20	2						
4	BOLT	001 66106 00	2						
5	SPRING WASHER	003 20100 00	2						
6	WASHER	003 10100 00	2						
7	BOLT and WASHER ASSEMBLY	013 00800 30	6						
8	BOLT and WASHER ASSEMBLY	001 14083 50	4						
9	STUD	001 32105 01	8						
11	PLUG	040 10800 10	2						
12	WAVE WASHER	020 40800 10	2						
13	UNION	050 51000 11	1						
14	WAVE WASHER	020 41000 10	1						
15	OIL SEAL	044 03000 50	2						
16	BOLT	010 11200 10	4						
17	SPRING WASHER	020 31200 10	4						
18	WASHER	020 01200 90	4						

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

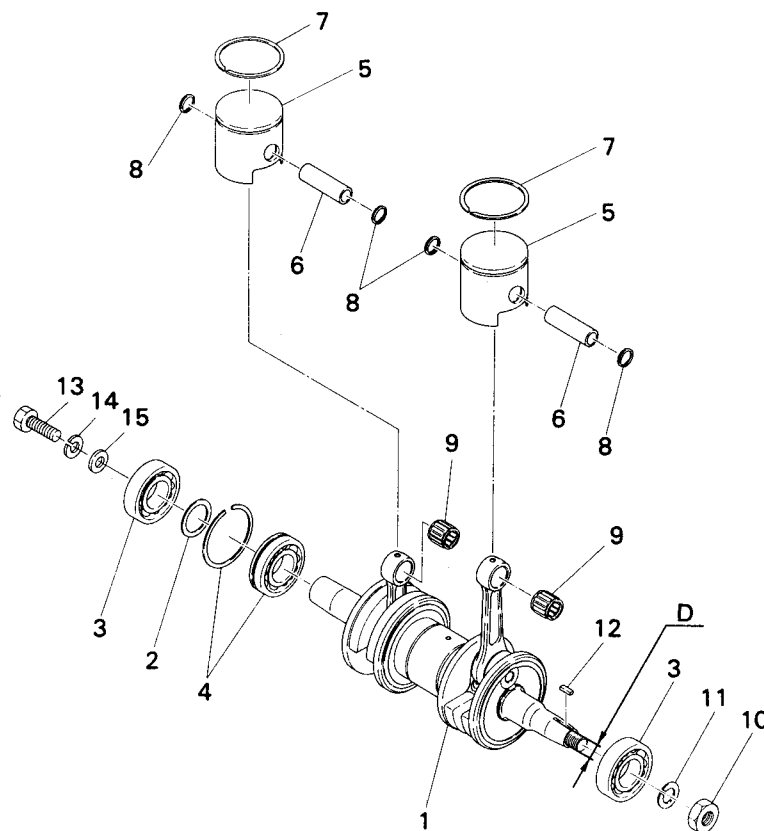
Fig. 2 CYLINDER



Interchangeability					Interchangeability				
Ref No.	Description	Part Number	Q'ty	Execution	Ref No.	Description	Part Number	Q'ty	Execution
* 1	CYLINDER 1, complete Includes items 1 and 3 and 4	150 12401 21	1						
* 2	CYLINDER 2, complete Includes items 2 thru 4	150 12402 21	1						
3	STUD	001 32085 00	12						
4	STUD	010 50800 60	4						
6	GASKET, cylinder	153 16001 03	2						
7	NUT	002 18100 00	8						
8	SPRING WASHER	003 21100 00	8						
9	WASHER	003 10100 00	8						
10	CYLINDER HEAD	150 13301 13	2						
11	GASKET, complete, head	115 15101 11	2						
12	NUT	002 18080 00	10						
13	NUT	017 00800 50	2						
14	SPRING WASHER	003 20080 00	12						
15	WASHER	003 10080 00	12						
16	GASKET, complete, exhaust	110 35201 01	4						
17	NUT	017 20800 10	4						
18	SPRING WASHER	003 20080 00	4						
19	SPARK PLUG (BR9ES)	065 01402 50	2						
21	ADAPTER, complete (L=45)	110 65401 01	2						
*24	BAND ASSEMBLY Includes items 24 thru 25	131 65601 00	2						
25	SCREW	004 31043 50	2						
26	BOLT, socket head	011 90800 20	4						

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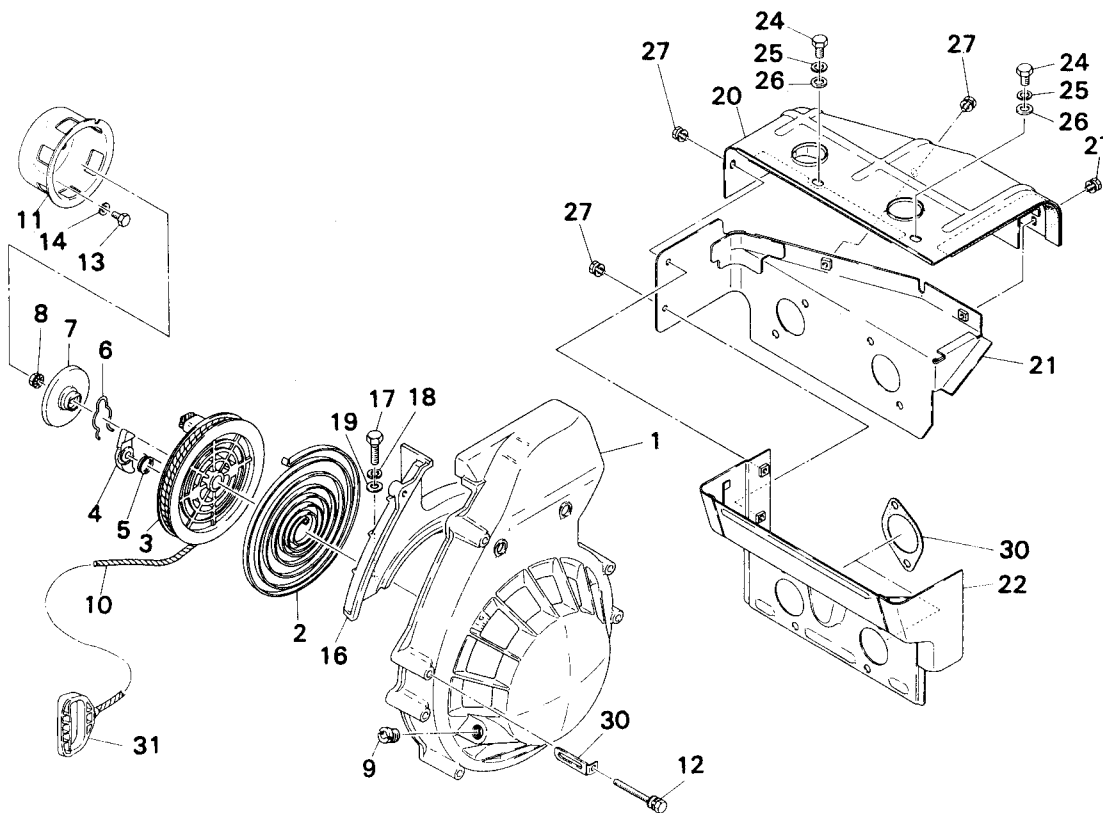
Fig. 3 CRANKSHAFT & PISTON



Interchangeability					Interchangeability				
Ref No.	Description	Part Number	Q'ty	Execution	Ref No.	Description	Part Number	Q'ty	Execution
* 1	CRANKSHAFT ASSEMBLY (D = 18mm • TAPER 1/10) Includes items 1 thru 4	150 20104 00	1		13	BOLT	010 41200 10	1	
* 1	CRANKSHAFT ASSEMBLY (D = 16mm • TAPER 1/5) Includes items 1 thru 4	150 20101 00	1		14	SPRING WASHER	003 20120 00	1	
2	SPACER	023 03000 40	1		15	WASHER	020 01200 80	1	
3	BALL BEARING	060 03000 20	4						
4	BALL BEARING	060 03001 00	1						
5	PISTON, complete	150 23411 21	2						
6	PISTON PIN	150 23301 13	2						
7	PISTON RING	115 23501 03	2						
8	CLIP, piston pin	153 25001 03	4						
9	SMALL END BEARING	150 22902 03	2						
10	NUT For D = 18mm • TAPER 1/10 CRANKSHAFT	017 01800 11	1						
10	NUT For D = 16mm • TAPER 1/5 CRANKSHAFT	002 28160 00	1						
11	SPRING WASHER For D = 18mm • TAPER 1/10 CRANKSHAFT	020 31800 10	1						
11	SPRING WASHER For D = 16mm • TAPER 1/5 CRANKSHAFT	003 20160 00	1						
12	KET	005 30041 51	1						

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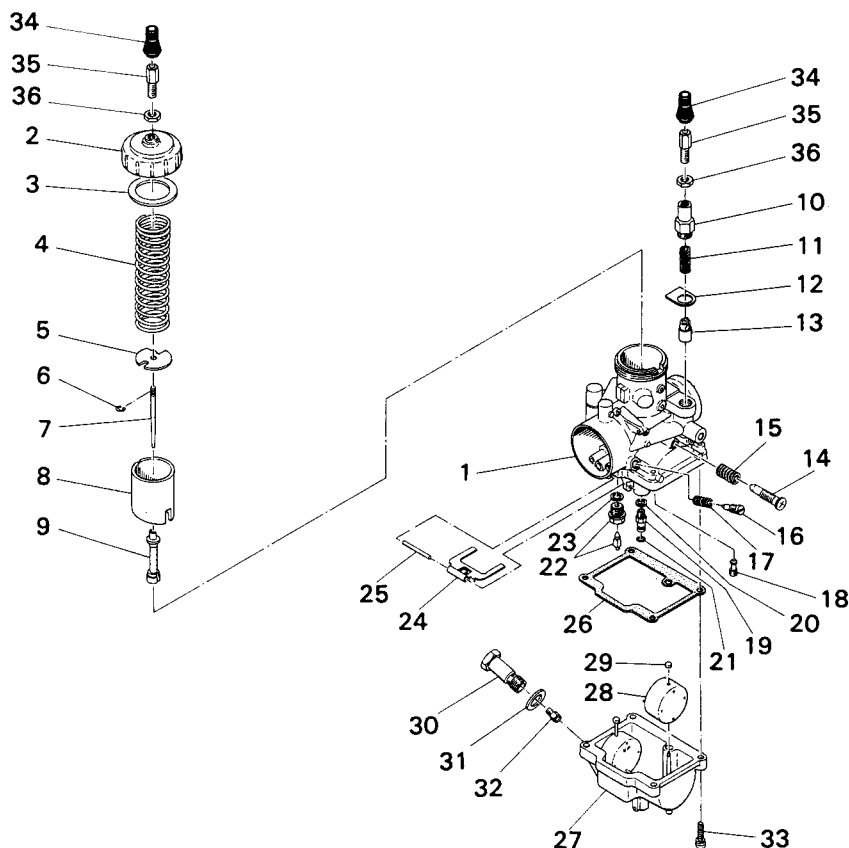
Fig. 4 BLOWER HOUSING & RECOIL



Interchangeability					Interchangeability				
Ref No.	Description	Part Number	Q'ty	Execution	Ref No.	Description	Part Number	Q'ty	Execution
* 1	RECOIL STARTER, complete Includes items 1 thru 10, 31	150 50103 11	1		22	CYLINDER BAFFLE 3, complete	150 52806 31	1	
1	STARTER CASE, complete	150 50152 08	1		23	GASKET, intake	150 65801 13	2	
2	SPIRAL SPRING	107 50115 08	1		24	BOLT	001 65081 20	2	
3	REEL, complete	150 50120 08	1		25	SPRING WASHER	003 20080 00	2	
4	RATCHET	150 50125 08	1		26	WASHER	003 10080 00	2	
5	RETURN SPRING	150 50136 08	1		27	BOLT and WASHER ASSEMBLY	001 10061 20	6	
6	FRICTION SPRING	150 50131 08	1		30	CLAMP	150 75201 03	1	
7	FRICTION PLATE	150 50140 08	1		31	STARTER KNOB	110 50100 80	1	
8	FLANGE NUT	150 50150 08	1						
9	ROPE GUIDE	150 50151 08	1						
10	STARTER ROPE	150 50110 08	1						
11	STARTING PULLEY	150 54202 03	1						
12	BOLT and WASHER ASSEMBLY (for recoil)	001 14066 00	7						
13	BOLT (for pulley)	001 66061 20	3						
14	SPRING WASHER	003 20060 00	3						
16	BLOWER HOUSING 2	150 51301 03	1						
17	BOLT	001 66082 50	2						
18	SPRING WASHER	003 20080 00	2						
19	WASHER	003 10080 00	2						
20	CYLINDER BAFFLE 1, complete	150 52602 21	1						
21	CYLINDER BAFFLE 2, complete	150 52702 11	1						

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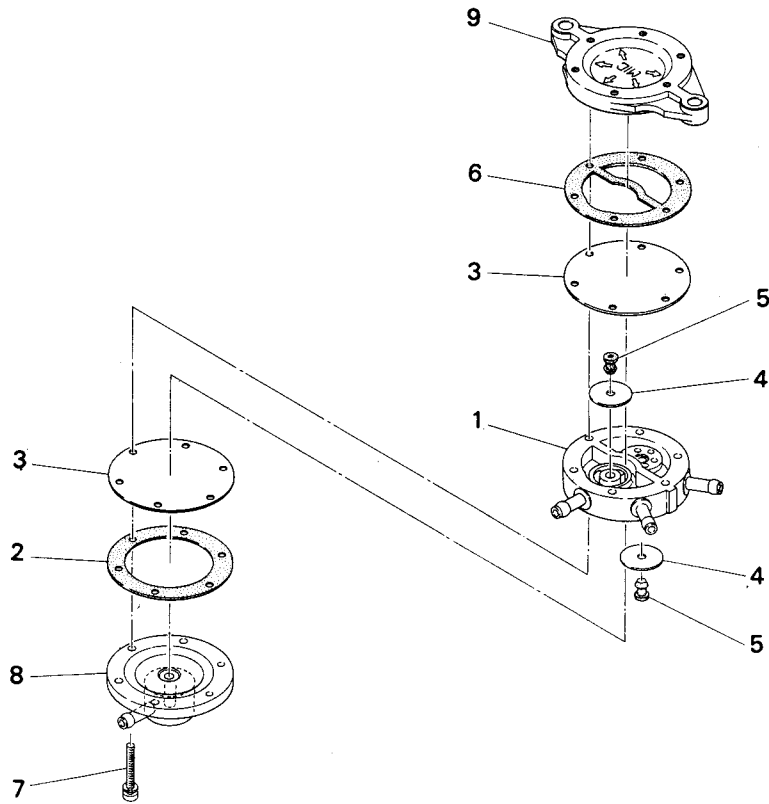
Fig. 5 CARBURETOR



Interchangeability					Interchangeability				
Ref No.	Description	Part Number	Q'ty	Execution	Ref No.	Description	Part Number	Q'ty	Execution
* 1	CABURETOR ASSEMBLY Includes items 1 thru 36	150 62302 00	2		25	FLOAT PIN	127 62515 08	1	
4	SPRING, throttle	109 62318 08	1		26	FLOAT CHAMBER PACKING	109 62541 08	1	
5	PLATE, throttle	115 62370 08	1		28	FLOAT ASSEMBLY	115 62505 08	2	
6	E-RING	109 62363 08	1		29	CAP	110 62351 08	2	
7	JET NEEDLE, 60H7-3	115 62306 08	1		30	BANJO BOLT	115 62361 08	1	
8	THROTTLE VALVE, 3.5	150 62539 08	1		31	WASHER	109 62378 08	1	
9	NEEDLE JET, P-6	131 62300 08	1		32	MAIN JET, #270	110 62400 08	1	
10	PLUNGER CAP	115 62367 08	1		33	SCREW and WASHER ASSEMBLY	115 62362 08	4	
11	PLUNGER SPRING	107 62320 08	1		34	CAP, rubber	115 62356 08	2	
12	WASHER, plunger	115 62364 08	1		35	THROTTLE ADJUSTER	115 62355 08	2	
13	STARTER PLUNGER ASSEMBLY	108 62325 08	1		36	LOCK NUT	115 62354 08	2	
14	THROTTLE STOP SCREW	110 62357 08	1						
15	SPRING, throttle adjuster	115 62445 08	1						
16	AIR SCREW	109 62345 08	1						
17	SPRING, air adjuster	109 62445 08	1						
18	PILOT JET, #35	108 62420 08	1						
19	NEEDLE JET SETTER	109 62378 08	1						
20	WASHER, needle jet setter	107 62354 08	1						
21	3.7 mm DIA. O-RING	109 62369 08	1						
22	NEEDLE VALVE, 1.5	109 62501 08	1						
23	PACKING, needle valve	209 62312 08	1						
24	FLOAT ARM	109 62511 08	1						

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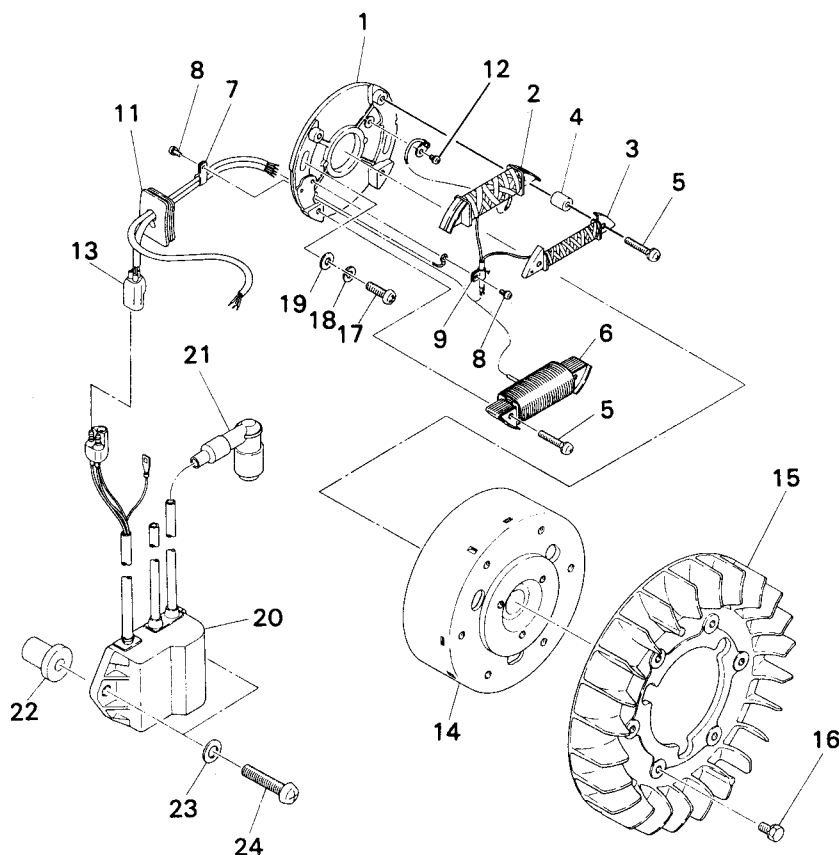
Fig. 6 FUEL PUMP



Ref No.	Description	Part Number	Q'ty	Interchangeability		Ref No.	Description	Part Number	Q'ty	Interchangeability	
					Execution						Execution
* 1	FUEL PUMP ASSEMBLY	150 62205 10	1								
2	PACKING, bottom	130 62235 08	1								
3	DIAPHRAGM	150 62266 08	2								
6	PACKING, top	130 62240 08	1								
7	SCREW and WASHER ASSEMBLY	130 62251 08	6								

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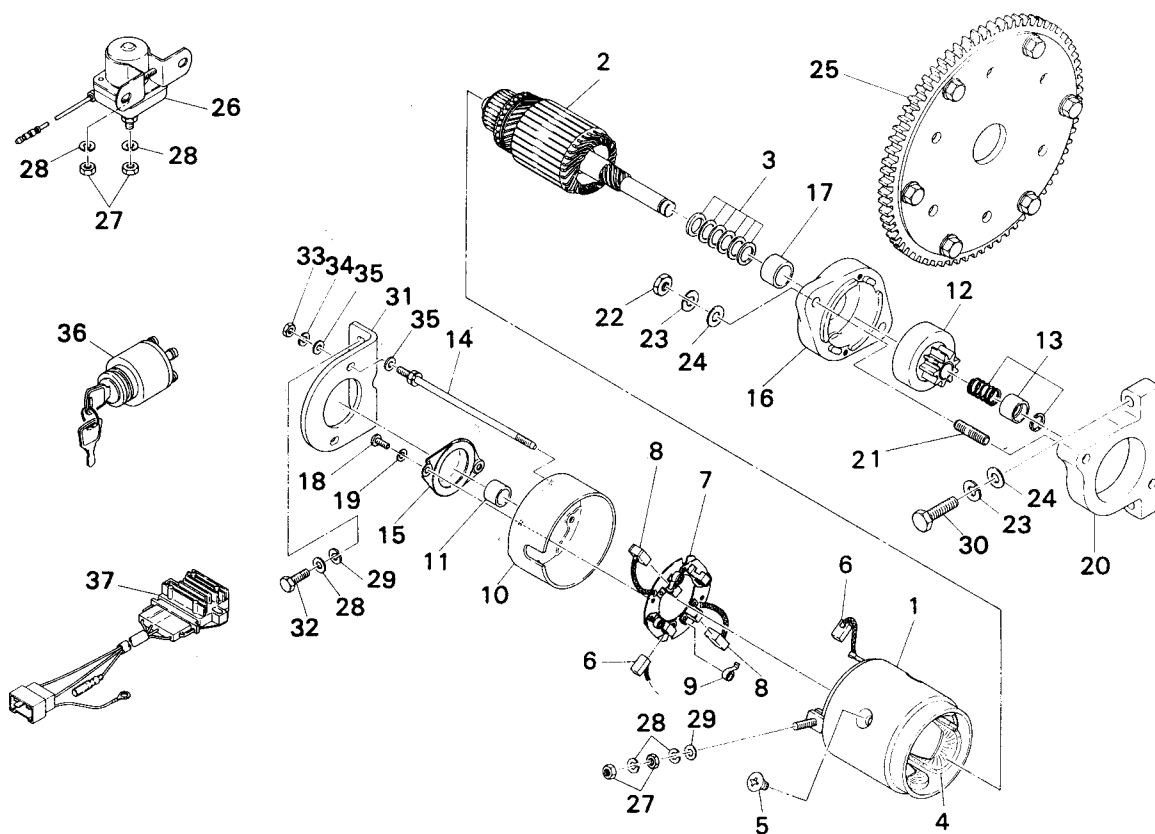
Fig. 7 MAGNETO



Interchangeability					Interchangeability				
Ref No.	Description	Part Number	Q'ty	Execution	Ref No.	Description	Part Number	Q'ty	Execution
* 1	MAGNETO ASSEMBLY (TAPER 1/10 type) Includes items 1 thru 16	150 70103 00	1		*14	FLYWHEEL ASSEMBLY (TAPER 1/10 type) Includes items 14 thru 16	150 70122 08	1	
* 1	MAGNETO ASSEMBLY (TAPER 1/5 type) Includes items 1 thru 16	150 70102 00	1		*14	FLYWHEEL ASSEMBLY (TAPER 1/5 type) Includes items 14 thru 16	150 70121 08	1	
* 1	PLATE ASSEMBLY Includes items 1 thru 13	150 70111 08	1		15	BLOWER	150 70156 08	1	
* 1	PLATE, complete Includes items 1 thru 5 and 7 thru 13	150 70157 08	1		16	BOLT and WASHER ASSEMBLY	001 10061 40	6	
2	EXCITER COIL	150 70135 08	1		17	SCREW	004 31062 00	2	
3	PULSER COIL	150 70152 08	1		18	SPRING WASHER	003 20060 00	2	
4	COLLAR	150 70153 08	2		19	WASHER	003 11060 00	2	
5	SCREW and WASHER ASSEMBLY	131 70151 08	4		20	IGNITION COIL UNIT, complete	150 71203 01	1	
6	LIGHTING COIL	150 70141 08	1		21	SPARK PLUG CAP	065 50001 30	2	
7	CLAMP	108 70155 08	1		22	RUBBER NUT	150 75401 03	2	
8	SCREW and WASHER ASSEMBLY	207 70656 08	2		23	WASHER	003 10060 00	2	
9	CLAMP	210 70151 08	1		24	SCREW	004 31063 00	2	
11	GROMMET	117 70161 08	1						
12	SCREW and WASHER ASSEMBLY	108 70156 08	1						
13	3P COUPLER	150 70154 08	1						

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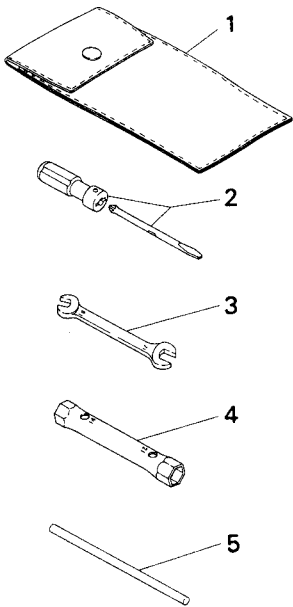
Fig. 8 STARTING MOTOR



Interchangeability					Interchangeability				
Ref No.	Description	Part Number	Q'ty	Execution	Ref No.	Description	Part Number	Q'ty	Execution
* 1	STARTING MOTOR ASSEMBLY Includes items 1 thru 19 Includes items 27 thru 29	150 70501 00	1		20	BRACKET 2, complete Includes items 20 and 21	150 75101 11	1	
2	ARMATURE ASSEMBLY	150 70556 08	1		21	STUD	010 50800 44	2	
* 3	WASHER KIT	150 70550 08	1		22	NUT	002 28080 00	2	
* 4	FIELD COIL ASSEMBLY Includes items 4 thru 6	150 70551 08	1		23	SPRING WASHER	003 20080 00	4	
5	POLE CORE SET SCREW	210 70508 08	4		24	WASHER	003 10080 00	4	
6	BRUSH, +	210 70539 08	2		25	RING GEAR ASSEMBLY	150 71002 00	1	
* 7	BRUSH HOLDER ASSEMBLY Includes items 7 thru 9	212 70506 08	1		26	MAGNETIC SWITCH Includes items 26 thru 28	214 77001 10	1	
8	BRUSH, -	210 70540 08	2		27	NUT	002 17060 00	4	
9	BRUSH SPRING	210 70541 08	4		28	SPRING WASHER	003 20060 00	6	
*10	REAR COVER ASSEMBLY Includes items 10 and 11	210 70537 08	1		29	WASHER	003 10060 00	3	
11	REAR COVER METAL	210 70542 08	1		30	BOLT	001 66083 80	2	
12	PINION ASSEMBLY	150 70552 08	1		31	BRACKET 1	150 75002 01	1	
13	PINION STOPPER SET	150 70553 08	1		32	BOLT	001 65061 80	2	
14	THROUGH BOLT	150 70554 08	2		33	NUT	002 27050 00	2	
15	DUSTCOVER	150 70555 08	1		34	SPRING WASHER	003 20050 00	2	
*16	FRONT COVER ASSEMBLY Includes items 16 and 17	150 70500 08	1		35	WASHER	003 10050 00	4	
17	FRONT METAL	150 70510 08	1		36	SWITCH	066 00001 11	1	
18	SCREW	004 31041 20	2		37	REGULATOR CP	150 71901 01	1	
19	SPRING WASHER	003 20040 00	2						

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Fig. 9 ACCESSORIES



Interchangeability					Interchangeability				
Ref No.	Description	Part Number	Q'ty	Execution	Ref No.	Description	Part Number	Q'ty	Execution
* 1	ACCESSORIES TOOL KIT ASSEMBLY Includes items 1 thru 4	108 90301 00	1						

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