



# PARTS CATALOG

# Robin

## Pump

Model

# ***PKX301ST***

Spec. No. PKX301ST360  
(EX170D10060)



**FUJI HEAVY INDUSTRIES LTD.**  
INDUSTRIAL PRODUCTS COMPANY

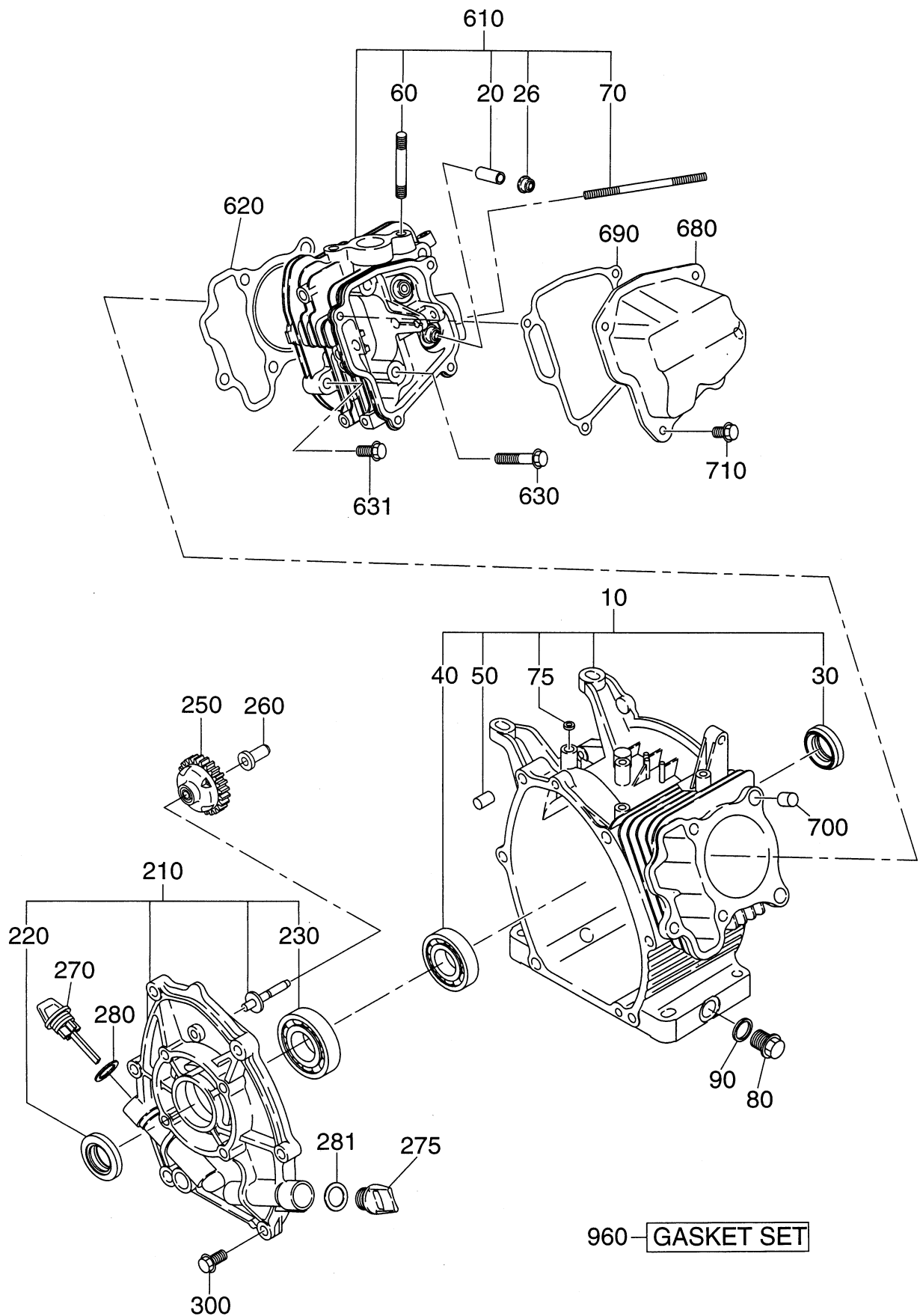
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| ISSUE EMD - PP5900 |
| ISSUE DATE 2003.6  |

# HOW TO USE THIS PARTS CATALOG

| ① 6 FUEL LUBRICANT |              |                  |     |                   |                     |                                |               |      |   |
|--------------------|--------------|------------------|-----|-------------------|---------------------|--------------------------------|---------------|------|---|
| REF.               | PART NUMBER  | PART NAME        | QTY | REMARKS           | CODE NO.<br>FROM-TO | INTERCHANGEABLE<br>PART NUMBER | UNIT<br>PRICE | FIG. |   |
| 10                 | 281-60101-01 | FUEL TANK CP     | 1   | 2.8L NEW R YELLOW | -                   |                                |               | 600  | ② |
| 20                 | 073-20044-50 | LABEL(CAUTION)   | 1   | 38X70             | -                   |                                |               | 600  |   |
| 30                 | 043-04300-15 | FUEL TANK CAP CP | 1   | 43DX68DX14H       | 5296-               |                                |               | 600  |   |
|                    | 043-04301-00 | FUEL TANK CAP CP | 1   |                   | -5295               |                                |               | 600  |   |
| 40                 | 064-13600-10 | FUEL FILTER      | 1   | 36DX46DX43H       | -                   |                                |               | 600  |   |
| 50                 | 064-20064-00 | FUEL STRAINER AY | 1   |                   | -                   |                                |               | 630  |   |
| - 1                | 064-20064-20 | FILTER           | 1   |                   | -                   |                                |               | 630  |   |
| - 2                | 064-20064-10 | PACKING          | 1   |                   | -                   |                                |               | 630  |   |
| - 3                | 064-20042-10 | CUP, STRAINER    | 1   |                   | -                   |                                |               | 630  |   |

- ① **SECTION NAME** ..... Parts are broadly classified according to their functions.  
Refer to section indexes(contents)for respective section name.
- ② **FIG.No.** ..... It indicates illustration number. FIG.No. with the same figure in the third of hundreds shows that it is in a group of the same section. FIG.No. illustrating the target part can be read in the right-end section of the list.
- ③④ **REF.No.** ..... It is a number to compare the part illustrated with the part number in the list. Serch for REF.No. in the list in the corresponding REF.No. in the illustration to determine the part number.  
Section ④ shows a 'SUB-ASSEMBLY PART' of section ③ which is indicated by the number led by '-' such as '-1', '-2'.
- ⑤ **PART NUMBER** ..... It is the number assigned for sales unit.  
Use the PART No. when marking an order.
- ⑥ **PART NAME** ..... It is designation of the part.
- ⑦ **Q'ty** ..... Quantity of part being employed for each product.
- ⑧ **REMARKS** ..... This gives a distinctive feature and/or a supplementary comment for the type, the specification, and the part concerned.
- ⑨ **INTERCHANGEABLE... PART NUMBER** ⑤. It shows part number(s) interchangeable for the part given in the section
- ⑩ **CODE No.** ..... It indicates history of progress in which improved parts have been introduced in the product. The CODE No. helps to identify PART No. being employed in the product concerned.
- |  |        |                                                                                    |
|--|--------|------------------------------------------------------------------------------------|
|  | —      | The part has been employed in the product irrespective of CODE No.                 |
|  | 5296 — | The part is employed in the products with CODE No. of 5296 and after this number.  |
|  | — 5295 | The part is employed in the products with CODE No. of 5295 and before this number. |

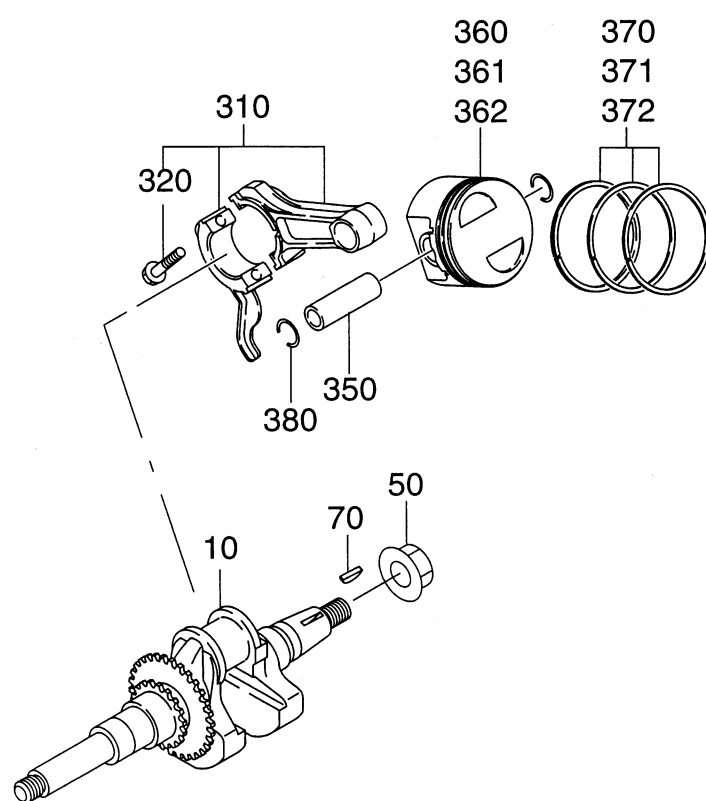
FIG. 100



# 1 CRANK CASE

| REF. | PART NUMBER  | PART NAME             | QTY | REMARKS               | CODE NO.<br>FROM-TO | INTERCHANGEABLE<br>PART NUMBER | UNIT<br>PRICE | FIG. |
|------|--------------|-----------------------|-----|-----------------------|---------------------|--------------------------------|---------------|------|
| 10   | 277-10102-41 | CRANK CASE CP         | 1   | W/OIL SENSOR          | -                   |                                |               | 100  |
| 20   | 237-14202-03 | VALVE GUIDE           | 2   | 5. 5DX9. 5DX27L       | -                   |                                |               | 100  |
| 26   | 277-16010-01 | STEM SEAL             | 1   | 5. 5DX9. 5DX15DX7. 8B | -                   |                                |               | 100  |
| 30   | 044-02502-00 | OIL SEAL              | 1   | 25DX38DX7B            | -                   |                                |               | 100  |
| 40   | 060-02800-21 | BALL BEARING          | 1   | 62/28 28DX58DX16B     | 5692-               |                                |               | 100  |
|      | 060-02800-20 | BALL BEARING          | 1   | 62/28 28DX58DX16B     | -5691               | 060-02800-21                   |               | 100  |
| 50   | 277-15011-03 | PIPE KNOCK            | 2   | 10. 3DX8. 5DX14L      | -                   |                                |               | 100  |
| 60   | 010-50802-50 | STUD                  | 2   | M8X1. 25X25L          | -                   |                                |               | 100  |
| 70   | 010-50603-51 | STUD                  | 2   | M6X1. 0X98L           | -                   |                                |               | 100  |
| 75   | 044-00600-20 | OIL SEAL              | 1   | 6DX10DX2. 5B          | -                   |                                |               | 100  |
| 80   | 040-11400-30 | PLUG                  | 2   | M14X1. 5X20DX12L      | -                   |                                |               | 100  |
| 90   | 021-11400-20 | GASKET                | 2   | 14. 1DX19DX2. 3T      | -                   |                                |               | 100  |
| 210  | 277-11001-31 | MAIN BEARING COVER C  | 1   | FLANGE 4-M8X1. 25     | 5692-               |                                |               | 100  |
|      | 277-11001-21 | MAIN BEARING COVER C  | 1   | FLANGE 4-M8X1. 25     | 5753-5691           | 277-11001-31                   |               | 100  |
|      | 277-11001-11 | MAIN BEARING COVER C  | 1   | FLANGE 4-M8X1. 25     | -5752               | 277-11001-21                   |               | 100  |
| 220  | 044-02502-10 | OIL SEAL              | 1   | 25DX41. 25DX6B        | -                   |                                |               | 100  |
| 230  | 060-02501-40 | BALL BEARING          | 1   | 6205 25DX52DX15B      | 5692-               |                                |               | 100  |
|      | 060-02500-10 | BALL BEARING          | 1   | 6205 25DX52DX15B      | -5691               |                                |               | 100  |
| 250  | 277-45004-21 | GOVERNOR GEAR CP      | 1   | 53DX28. 8T N=33       | -                   |                                |               | 100  |
| 260  | 263-41901-03 | GOVERNOR SLEEVE       | 1   | 6DX7. 6DX16DX26L      | -                   |                                |               | 100  |
| 270  | 277-63601-13 | OIL GAUGE             | 1   | M18X1. 5 L=70+18      | 5814-               |                                |               | 100  |
|      | 277-63601-03 | OIL GAUGE             | 1   | M18X1. 5 L=70+18      | -5813               | 277-63601-13                   |               | 100  |
| 275  | 277-65001-03 | FILLER PLUG           | 1   |                       | -                   |                                |               | 100  |
| 280  | 021-31600-20 | GASKET                | 1   | 16DX23DX1. 2T RUBBER  | -                   |                                |               | 100  |
| 281  | 021-31600-20 | GASKET                | 1   | 16DX23DX1. 2T RUBBER  | -                   |                                |               | 100  |
| 300  | 001-04083-50 | FLANGE BOLT           | 6   |                       | -                   |                                |               | 100  |
| 610  | 277-13001-01 | CYLINDER HEAD CP      | 1   |                       | -                   |                                |               | 100  |
| 620  | 277-15001-13 | GASKET (HEAD)         | 1   | T=0. 2                | -                   |                                |               | 100  |
| 630  | 011-00802-40 | FLANGE BOLT           | 4   | M8X1. 25X16DX68L      | -                   |                                |               | 100  |
| 631  | 001-04083-50 | FLANGE BOLT           | 1   |                       | -                   |                                |               | 100  |
| 680  | 277-15501-01 | ROCKER COVER CP       | 1   |                       | -                   |                                |               | 100  |
| 690  | 277-16001-03 | GASKET (ROCKER COVER) | 1   | T=0. 7                | -                   |                                |               | 100  |
| 700  | 277-15011-03 | PIPE KNOCK            | 2   | 10. 3DX8. 5DX14L      | -                   |                                |               | 100  |
| 710  | 011-00600-20 | FLANGE BOLT           | 4   | M6X1. 0X14DX12L       | -                   |                                |               | 100  |
| 960  | 277-99001-07 | GASKET SET            | 1   |                       | -                   |                                |               | 100  |
|      |              |                       |     |                       |                     |                                |               |      |

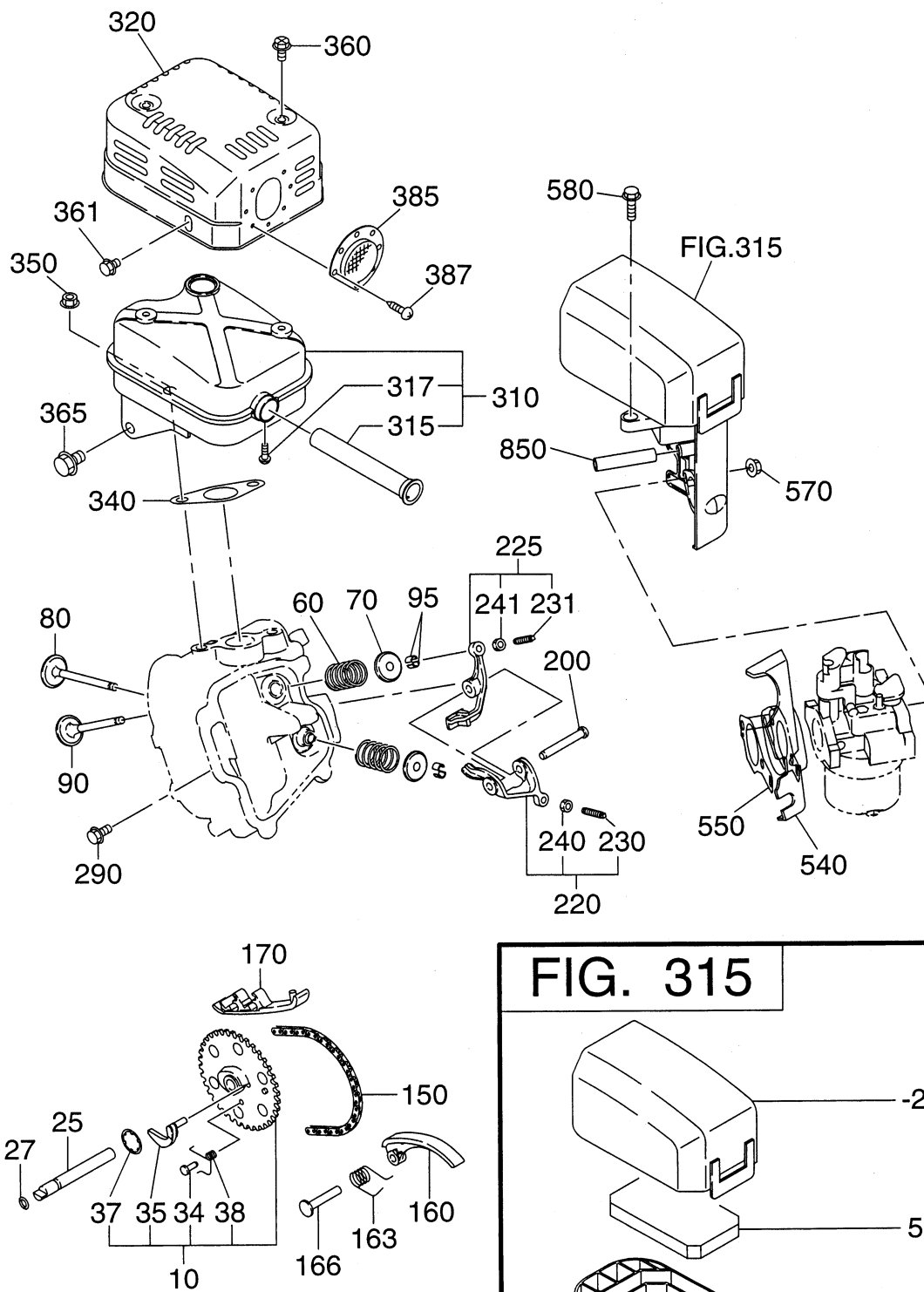
FIG. 200



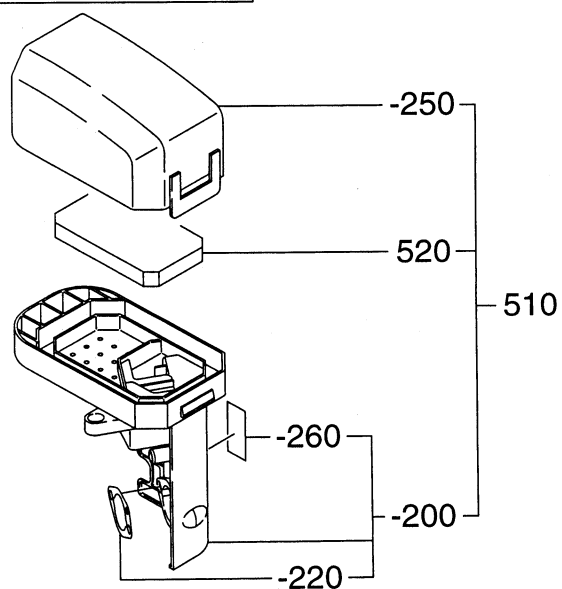
## 2 CRANKSHAFT, PISTON

[illegible]

# FIG. 300



# FIG. 315



### 3 INTAKE EXHAUST

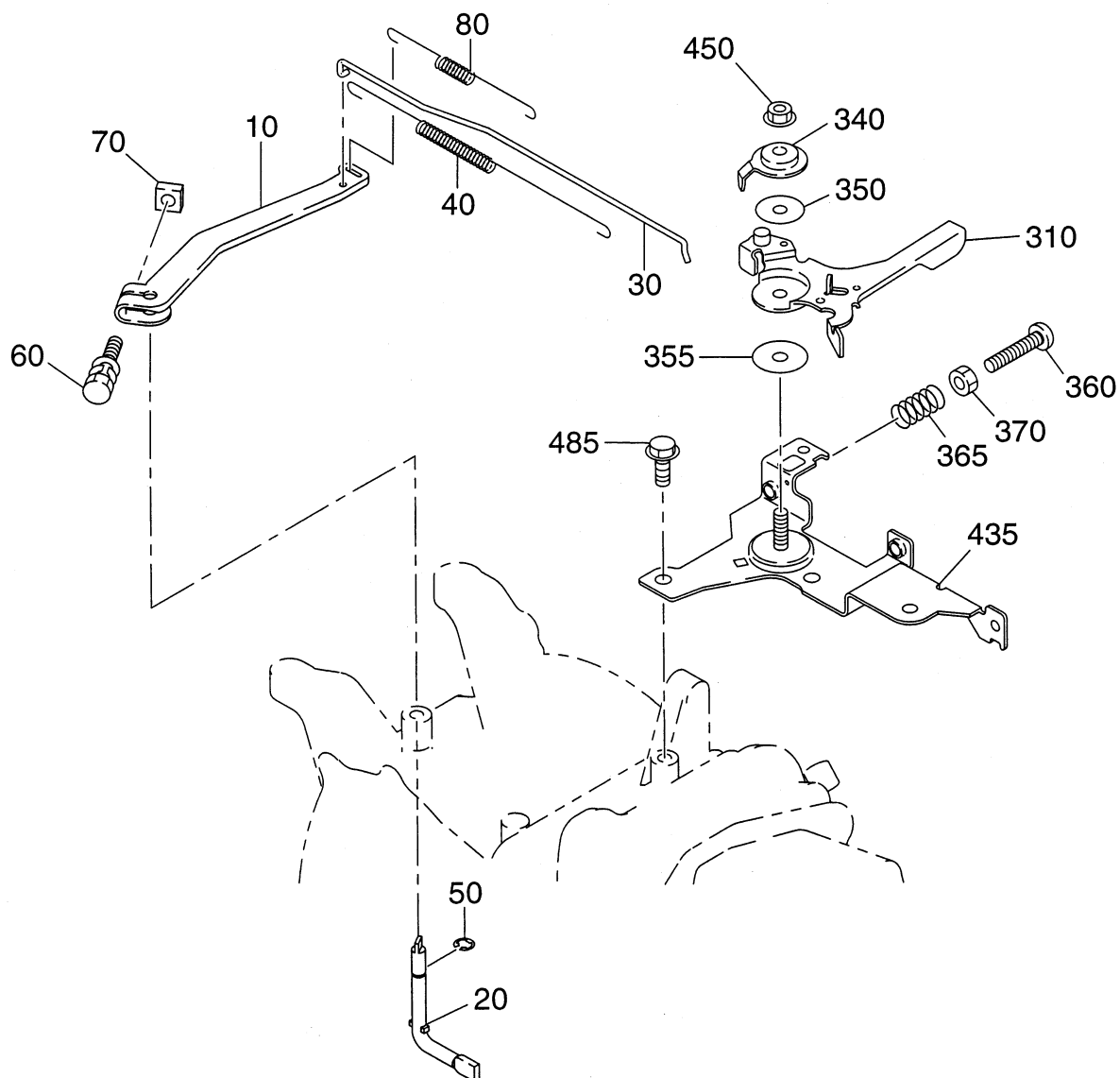
| REF. | PART NUMBER  | PART NAME         | QTY | REMARKS             | CODE NO.<br>FROM-TO | INTERCHANGEABLE<br>PART NUMBER | UNIT<br>PRICE | FIG. |
|------|--------------|-------------------|-----|---------------------|---------------------|--------------------------------|---------------|------|
| 10   | 277-31601-01 | CAM SHAFT CP      | 1   | 85DX2. 9B N=40      | -                   |                                |               | 300  |
| 25   | 277-35101-03 | PIN(CAM SHAFT)    | 1   | 9DX78. 5L           | -                   |                                |               | 300  |
| 27   | 024-00600-10 | O RING            | 1   | 5. 8DX9. 6D         | -                   |                                |               | 300  |
| 34   | 277-38601-03 | PIN(SPRING)       | 1   | 4DX8DX9L            | -                   |                                |               | 300  |
| 35   | 277-36401-03 | RELEASE LEVER     | 1   |                     | -                   |                                |               | 300  |
| 37   | 277-36501-03 | CLIP              | 1   | 13. 8DX20. 3DX0. 4T | -                   |                                |               | 300  |
| 38   | 277-38701-03 | RETURN SPRING     | 1   |                     | -                   |                                |               | 300  |
| 60   | 279-33601-03 | VALVE SPRING      | 2   |                     | -                   |                                |               | 300  |
| 70   | 269-33701-03 | SPRING RETAINER   | 2   |                     | -                   |                                |               | 300  |
| 80   | 277-33401-13 | INTAKE VALVE      | 1   | 25. 5DX5. 5DX68. 1L | -                   |                                |               | 300  |
| 90   | 277-33501-13 | EXHAUST VALVE     | 1   | 23. 5DX5. 5DX68. 1L | -                   |                                |               | 300  |
| 95   | 132-10KA0-31 | COLLET-VALVE      | 4   |                     | -                   |                                |               | 300  |
| 150  | 277-35601-01 | TIMING CHAIN CP   | 1   | 88 LINK             | -                   |                                |               | 300  |
| 160  | 277-36911-03 | TENTIONER         | 1   |                     | -                   |                                |               | 300  |
| 163  | 277-37101-03 | SPRING(TENTIONER) | 1   |                     | -                   |                                |               | 300  |
| 166  | 277-36902-03 | PIN(TENTIONER)    | 1   | 6DX13DX34L          | -                   |                                |               | 300  |
| 170  | 277-36913-13 | CHAIN GUIDE       | 1   |                     | -                   |                                |               | 300  |
| 200  | 277-35001-23 | PIN(ROCKER)       | 1   | 6DX9DX41L           | 5692-               |                                |               | 300  |
|      | 277-35001-13 | PIN(ROCKER)       | 1   | 6DX9DX41L           | -5691               | 277-35001-23                   |               | 300  |
| 220  | 277-36101-00 | ROCKER ARM(IN) AY | 1   |                     | -                   |                                |               | 300  |
| 225  | 277-36102-00 | ROCKER ARM(EX) AY | 1   |                     | -                   |                                |               | 300  |
| 230  | 014-90500-10 | ADJUST SCREW      | 1   | M5X0. 5X23L         | -                   |                                |               | 300  |
| 231  | 014-90500-10 | ADJUST SCREW      | 1   | M5X0. 5X23L         | -                   |                                |               | 300  |
| 240  | 017-00500-20 | NUT               | 1   | M5X0. 5X4. 1H       | -                   |                                |               | 300  |
| 241  | 017-00500-20 | NUT               | 1   | M5X0. 5X4. 1H       | -                   |                                |               | 300  |
| 290  | 011-00600-20 | FLANGE BOLT       | 1   | M6X1. 0X14DX12L     | -                   |                                |               | 300  |
| 310  | 277-30111-00 | MUFFLER AY        | 1   | W/SPARK ARRESTER    | 5845-               |                                |               | 300  |
|      | 277-30101-11 | MUFFLER CP        | 1   |                     | -5844               |                                |               | 300  |
| 315  | 277-37601-01 | SPARK ARRESTER CP | 1   |                     | -                   |                                |               | 300  |
| 317  | 015-00400-60 | TAPPING SCREW     | 1   | M4X6L               | -                   |                                |               | 300  |
| 320  | 277-34201-11 | MUFFLER COVER CP  | 1   |                     | 5784-               |                                |               | 300  |
|      | 277-34201-01 | MUFFLER COVER CP  | 1   |                     | -5783               | 277-34201-11                   |               | 300  |
| 340  | 277-35201-03 | GASKET(MUFFLER)   | 1   | T=0. 2 26D 9DX58P   | -                   |                                |               | 300  |
| 350  | 980-20082-80 | FLANGE NUT        | 2   |                     | -                   |                                |               | 300  |
| 360  | 015-20600-90 | TAPPING BOLT      | 2   | M6X13DX10L          | -                   |                                |               | 300  |
| 361  | 011-00600-10 | FLANGE BOLT       | 1   | M6X1. 0X14DX8L      | -                   |                                |               | 300  |



### 3 INTAKE EXHAUST

[illegible]

FIG. 400



## 4 GOVERNOR OPERATION

[illegible]

FIG. 500

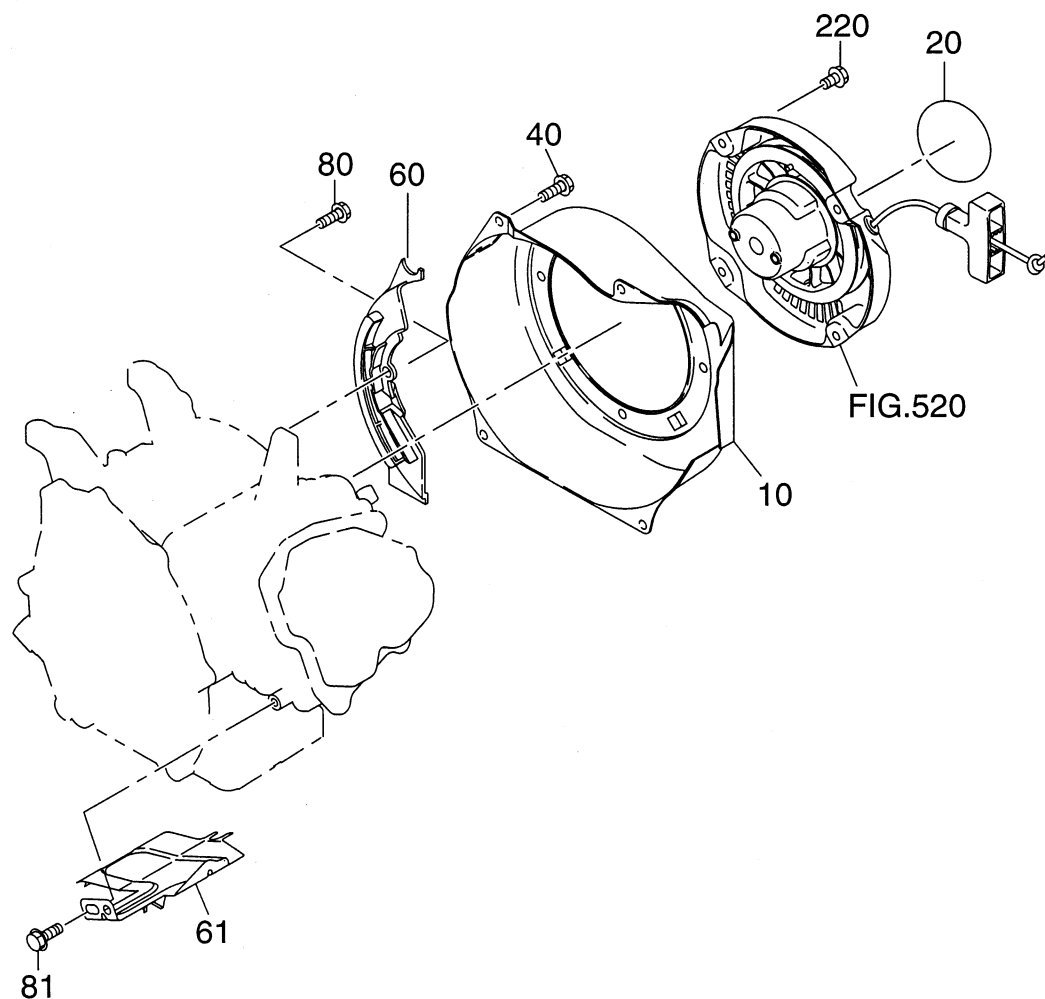
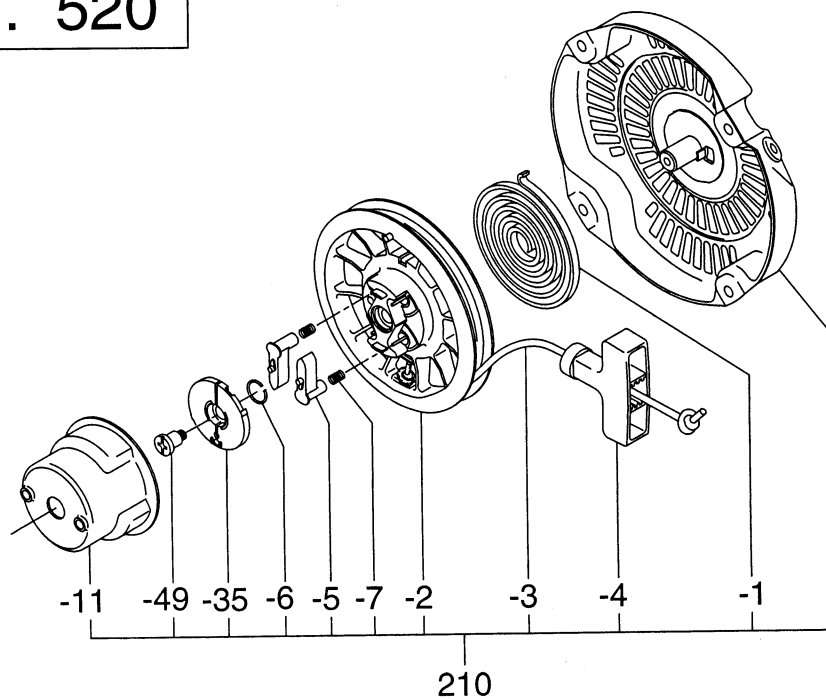


FIG. 520

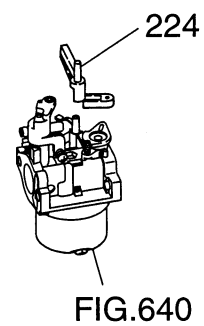
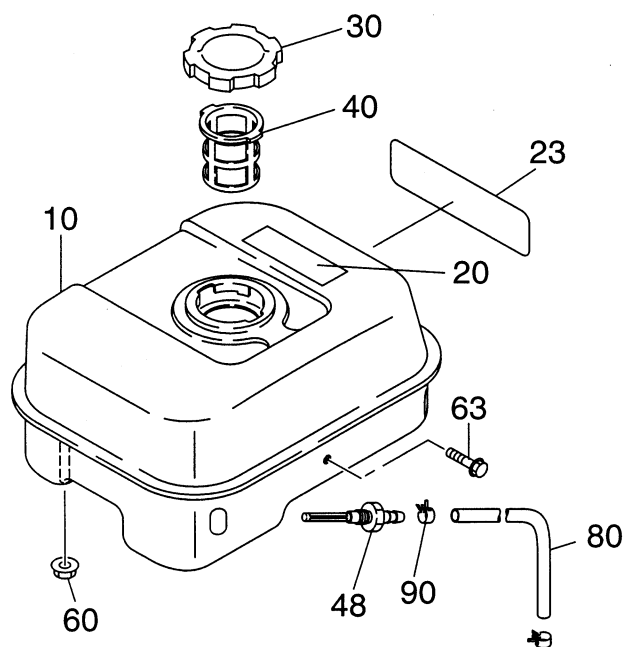
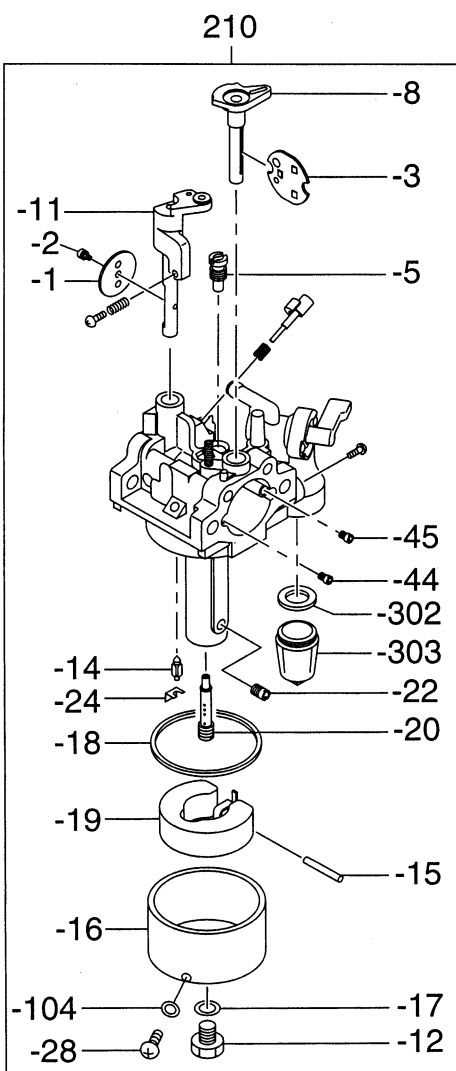


## 5 COOLING STARTING

[illegible]

# FIG. 600

## FIG. 640



## 6 FUEL LUBRICANT

| REF. | PART NUMBER  | PART NAME        | QTY | REMARKS             | CODE NO.<br>FROM-TO | INTERCHANGEABLE<br>PART NUMBER | UNIT<br>PRICE | FIG. |
|------|--------------|------------------|-----|---------------------|---------------------|--------------------------------|---------------|------|
| 10   | 277-60101-11 | FUEL TANK CP     | 1   | 3. 6L ROBIN YELLOW  | -                   |                                |               | 600  |
| 20   | 073-20051-80 | LABEL(WARNING)   | 1   | 42X104 ENGLISH      | -                   |                                |               | 600  |
| 23   | 277-95101-03 | LABEL(MODEL)     | 1   | 28X99               | -                   |                                |               | 600  |
| 30   | 043-04400-50 | FUEL TANK CAP CP | 1   | 43DX68DX14H BLACK   | -                   |                                |               | 600  |
| 40   | 064-13600-10 | FUEL FILTER      | 1   | 36DX46DX43H         | -                   |                                |               | 600  |
| 48   | 050-51200-20 | UNION            | 1   | M12X4DX78L W/FILTER | -                   |                                |               | 600  |
| 60   | 002-38060-00 | FLANGE NUT       | 2   |                     | -                   |                                |               | 600  |
| 63   | 011-00601-30 | FLANGE BOLT      | 1   | M6X1. 0X14DX25L     | -                   |                                |               | 600  |
| 80   | 085-10600-00 | RUBBER PIPE      | 1   | 6DX12D              | -                   |                                |               | 600  |
| 90   | 056-11000-30 | HOSE CLAMP       | 2   | 10DX8BX1T           | -                   |                                |               | 600  |
| 210  | 277-62301-10 | CARBURETOR AY    | 1   |                     | -                   |                                |               | 640  |
| - 1  | 277-62535-08 | THROTTLE VALVE   | 1   | #160                | -                   |                                |               | 640  |
| - 2  | 209-62351-08 | SCREW            | 1   |                     | -                   |                                |               | 640  |
| - 3  | 277-62525-08 | CHOKE VALVE      | 1   |                     | -                   |                                |               | 640  |
| - 5  | 246-62420-08 | PILOT JET        | 1   | #40                 | -                   |                                |               | 640  |
| - 8  | 277-62520-08 | CHOKE LEVER      | 1   |                     | -                   |                                |               | 640  |
| - 11 | 277-62530-08 | THROTTLE SHAFT   | 1   |                     | -                   |                                |               | 640  |
| - 12 | 227-62451-08 | BOLT             | 1   |                     | -                   |                                |               | 640  |
| - 14 | 277-62500-08 | NEEDLE           | 1   |                     | -                   |                                |               | 640  |
| - 15 | 277-62515-08 | PIN              | 1   |                     | -                   |                                |               | 640  |
| - 16 | 277-62506-08 | FLOAT BODY       | 1   |                     | -                   |                                |               | 640  |
| - 17 | 214-62450-08 | PACKING          | 1   |                     | -                   |                                |               | 640  |
| - 18 | 214-62540-08 | CHAMBER PACKING  | 1   |                     | -                   |                                |               | 640  |
| - 19 | 226-62506-08 | FLOAT AY         | 1   |                     | -                   |                                |               | 640  |
| - 20 | 277-62440-08 | MAIN NOZZLE      | 1   |                     | -                   |                                |               | 640  |
| - 22 | 277-62402-08 | MAIN JET         | 1   | #81.3               | -                   |                                |               | 640  |
| - 24 | 226-62701-18 | CLIP             | 1   |                     | -                   |                                |               | 640  |
| - 28 | 277-62360-08 | BOLT             | 1   |                     | -                   |                                |               | 640  |
| - 44 | 248-62410-08 | AIR JET          | 1   |                     | -                   |                                |               | 640  |
| - 45 | 106-62410-08 | AIR JET (PILOT)  | 1   |                     | -                   |                                |               | 640  |
| -104 | 236-62541-08 | PACKING          | 1   |                     | -                   |                                |               | 640  |
| -302 | 064-20064-10 | PACKING          | 1   |                     | -                   |                                |               | 640  |
| -303 | 064-20078-10 | CUP              | 1   |                     | -                   |                                |               | 640  |
| 224  | 277-43801-01 | CHOKE LEVER CP   | 1   |                     | -                   |                                |               | 600  |
|      |              |                  |     |                     |                     |                                |               |      |
|      |              |                  |     |                     |                     |                                |               |      |

FIG. 700

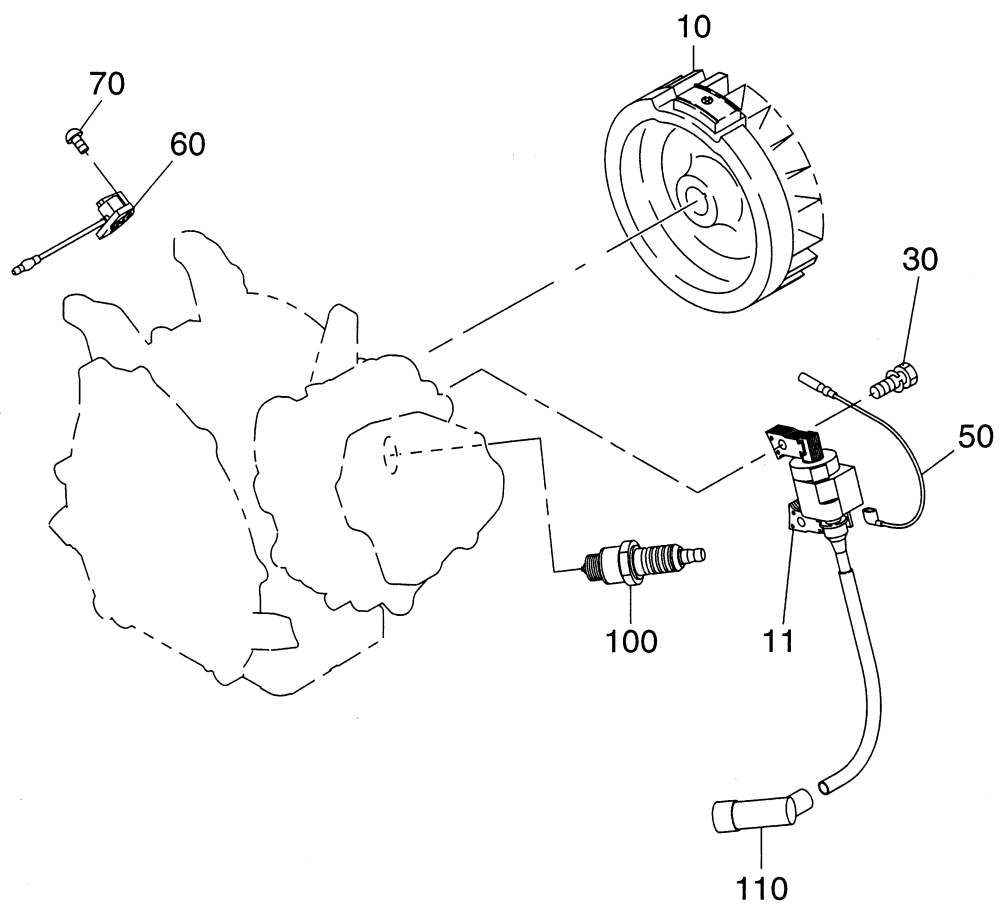
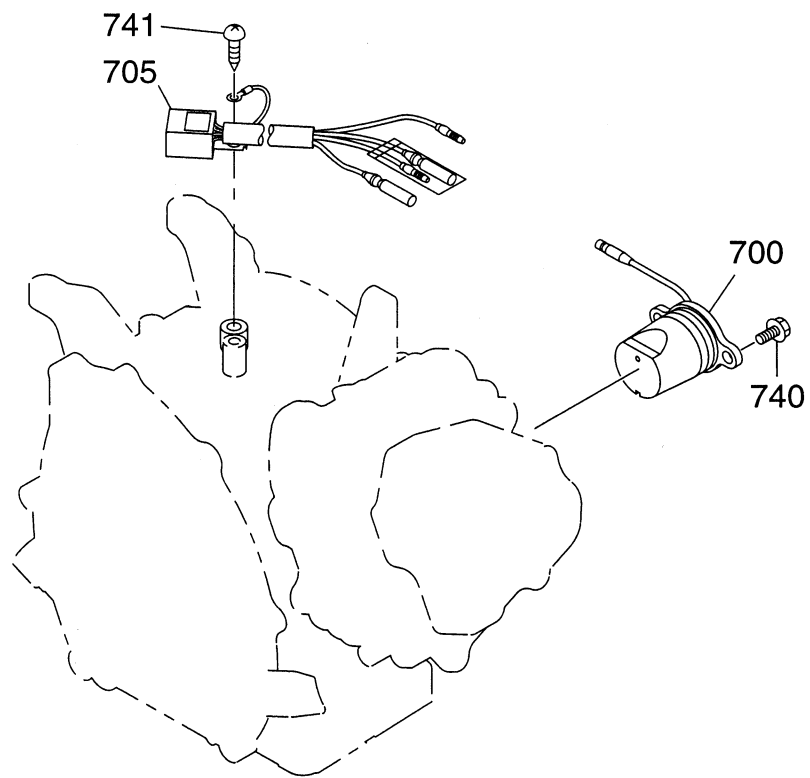




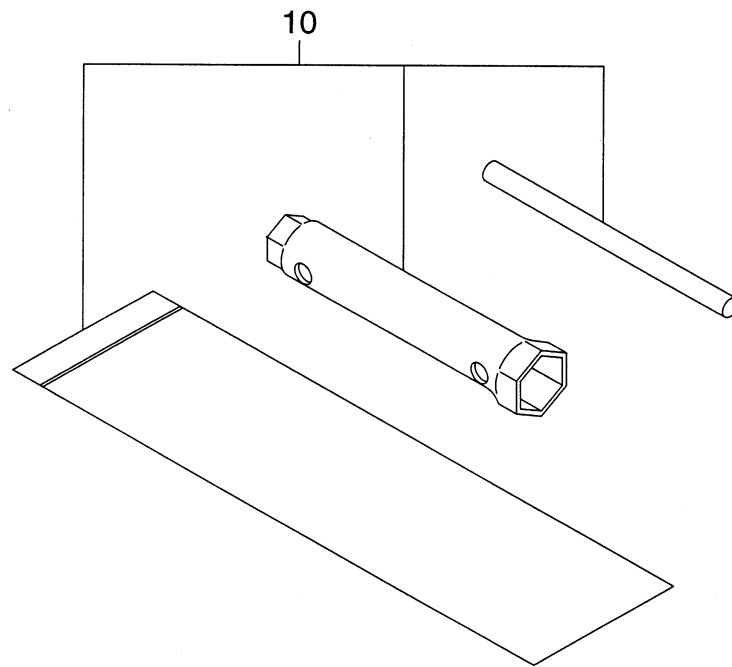
FIG. 770



## 7 ELECTRIC DEVICE

[illegible]

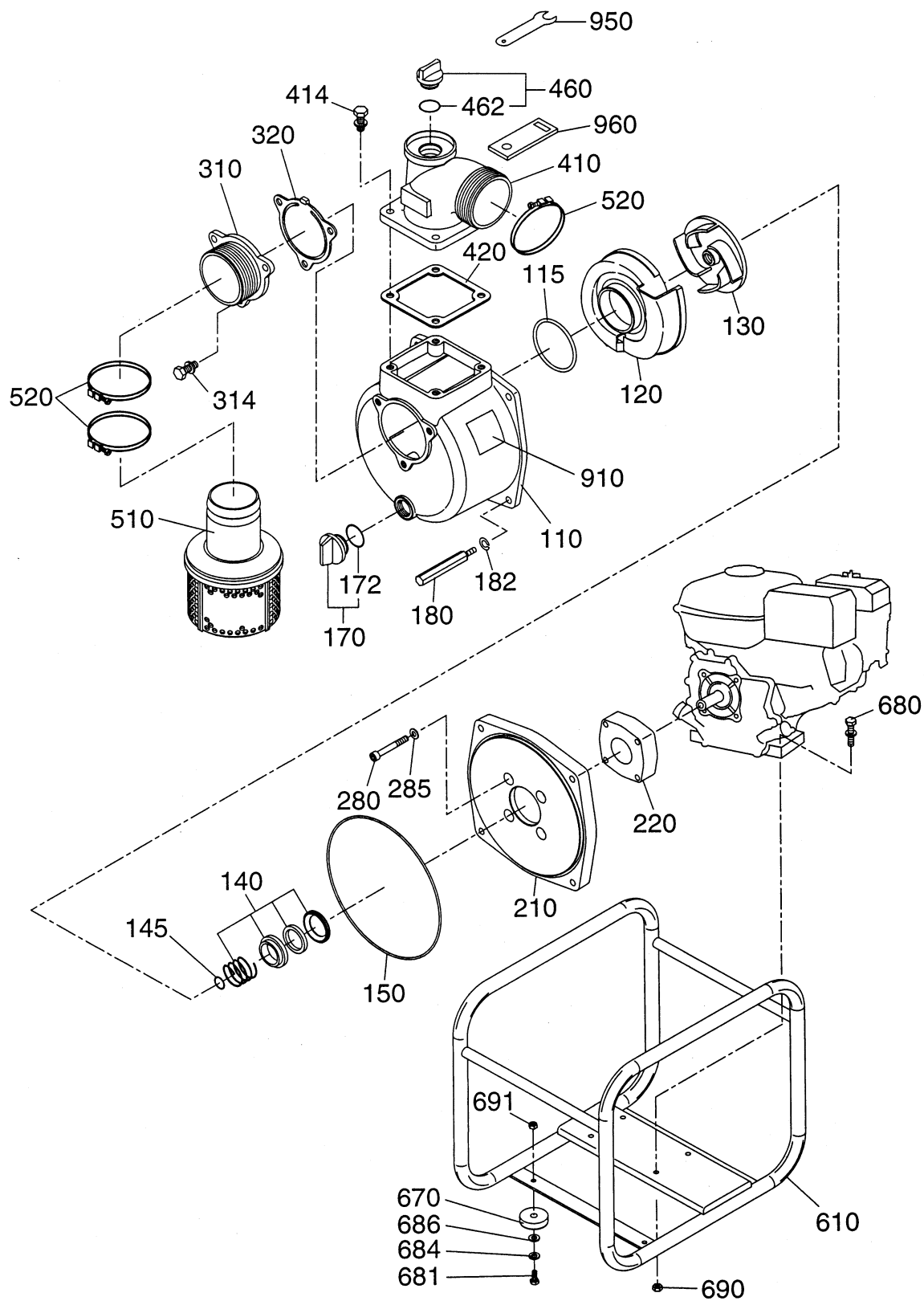
FIG. 900



## 9 ACCESSORIES

[illegible]

FIG. 4200



## 4 2 PUMP

| REF. | PART NUMBER  | PART NAME         | QTY | REMARKS | CODE NO.<br>FROM-TO | INTERCHANGEABLE<br>PART NUMBER | UNIT<br>PRICE | FIG. |
|------|--------------|-------------------|-----|---------|---------------------|--------------------------------|---------------|------|
| 110  | 470-01127-95 | CASING            | 1   |         | -                   |                                |               | 4200 |
| 115  | 470-01139-89 | O RING            | 1   |         | -                   |                                |               | 4200 |
| 120  | 470-01155-41 | INNER CASING      | 1   |         | -                   |                                |               | 4200 |
| 130  | 470-01155-39 | IMPELLER          | 1   |         | -                   |                                |               | 4200 |
| 140  | 470-01151-59 | MECHANICAL SEAL   | 1   |         | -                   |                                |               | 4200 |
| 145  | 470-01104-91 | ADJUSTING WASHER  | 3   |         | -                   |                                |               | 4200 |
| 150  | 470-01150-15 | O RING            | 1   |         | -                   |                                |               | 4200 |
| 170  | 470-01180-78 | PLUG AY           | 1   |         | -                   |                                |               | 4200 |
| 172  | 471-00000-05 | O RING            | 1   |         | -                   |                                |               | 4200 |
| 180  | 470-01155-42 | BOLT              | 4   |         | -                   |                                |               | 4200 |
| 182  | 471-00000-69 | SPRING WASHER     | 4   |         | -                   |                                |               | 4200 |
| 210  | 470-01152-69 | FLANGE BRACKET    | 1   |         | -                   |                                |               | 4200 |
| 220  | 470-01155-40 | SPACER            | 1   |         | -                   |                                |               | 4200 |
| 280  | 471-00000-03 | SOCKET BOLT       | 4   |         | -                   |                                |               | 4200 |
| 285  | 471-00000-02 | SEAL WASHER       | 4   |         | -                   |                                |               | 4200 |
| 310  | 470-01128-76 | SUCTION FLANGE    | 1   |         | -                   |                                |               | 4200 |
| 314  | 471-00000-50 | BOLT & WASHER AY  | 3   |         | -                   |                                |               | 4200 |
| 320  | 470-01127-99 | CHECK VALVE       | 1   |         | -                   |                                |               | 4200 |
| 410  | 470-01133-37 | DELIVERY FLANGE   | 1   |         | -                   |                                |               | 4200 |
| 414  | 471-00000-34 | BOLT & WASHER AY  | 4   |         | -                   |                                |               | 4200 |
| 420  | 470-01105-84 | PACKING, DELIVERY | 1   |         | -                   |                                |               | 4200 |
| 460  | 470-01180-79 | PLUG AY           | 1   |         | -                   |                                |               | 4200 |
| 462  | 471-00000-09 | O RING            | 1   |         | -                   |                                |               | 4200 |
| 510  | 470-01132-42 | STRAINER          | 1   |         | -                   |                                |               | 4200 |
| 520  | 471-00000-06 | HOSE BAND         | 3   |         | -                   |                                |               | 4200 |
| 610  | 470-01176-91 | FRAME             | 1   |         | -                   |                                |               | 4200 |
| 670  | 470-01105-15 | CUSHION RUBBER    | 4   |         | -                   |                                |               | 4200 |
| 680  | 471-00000-65 | BOLT & WASHER AY  | 4   |         | -                   |                                |               | 4200 |
| 681  | 471-00000-71 | BOLT & WASHER AY  | 4   |         | -                   |                                |               | 4200 |
| 684  | 471-00000-68 | SPRING WASHER     | 4   |         | -                   |                                |               | 4200 |
| 686  | 471-00000-66 | WASHER            | 4   |         | -                   |                                |               | 4200 |
| 690  | 471-00000-57 | NUT               | 4   |         | -                   |                                |               | 4200 |
| 691  | 471-00000-57 | NUT               | 4   |         | -                   |                                |               | 4200 |
| 910  | 470-01165-63 | LABEL (PUMP NAME) | 1   |         | -                   |                                |               | 4200 |
| 950  | 470-01155-89 | SPANNER           | 1   |         | -                   |                                |               | 4200 |
| 960  | 470-01155-88 | SPANNER HOLDER    | 1   |         | -                   |                                |               | 4200 |