

0CW10-M36200EN

# P R E F A C E

1. This Parts catalog is the 1st edition of 3TNV82A-PDB for DOOSAN INFRACORE.

Pub.No. : 000Y00W3620

Published : May, 2008

2. Model name

| Engine model | Vehicle   | Vehicle made by  |
|--------------|-----------|------------------|
| 3TNV82A-PDB  | EXCAVATOR | DOOSAN INFRACORE |

## Directions for the Parts Catalog.

1. This Parts Catalog shows both standard and optional parts.
2. Parts may change without prior notice.
3. The following is an example of the Parts Catalog format.

OCF10-G21601

29. FUEL INJECTION PUMP(W/BOOST)

①

REF.

②

LEV.

PARTS NO.

DESCRIPTION

(A)=4JH-DT  
(B)=4JH-DTZ  
(C)=4JH-DTZP

(D)=4JH-DTZA  
(E)=4JH-DTZY  
(F)=

Q'TY

(A) (B) (C) (D) (E) (F)

③ ⑤

I R

|     |   |              |                     |               |            |            |   |   |   |     |
|-----|---|--------------|---------------------|---------------|------------|------------|---|---|---|-----|
| 1   | 1 | 729595-51390 | FUEL INJECTION PUMP | 1             | 1          | 1          | 1 | 1 |   | 1   |
| 1-1 | 1 | 729595-51391 | FUEL INJECTION PUMP | 1             | 1          | 1          | 1 | 1 |   | N 1 |
|     |   | (A=E00185)   | (B=E00200)          |               |            |            |   |   |   |     |
| 3   | 2 | 26022-060162 | SCREW M 6X 16       | 9             | 9          | 9          | 9 | 9 |   |     |
| 3-1 | ④ | 2            | 26022-060162        | SCREW M 6X 16 | 4          | 4          | 4 | 4 | 4 | K   |
|     |   | (A=E00156)   | (B=E00156)          | (C=E00156)    | (D=E00156) | (E=E00156) |   |   |   |     |
| 4   | 2 | 129470-51040 | CAMSHAFT            | 1             | 1          | 1          | 1 | 1 |   |     |
| 5   | 2 | 122710-51050 | BEARING, ROLLER     | 2             | 2          | 2          | 2 | 2 |   |     |
| 6   | 2 | 129470-51060 | RETAINER            | 1             | 1          | 1          | 1 | 1 |   |     |

Remarks

↑

(1) BOOST COMPENSATOR TYPE. OPTIONAL PART, TO E00155,(4JH-DT, 4JH-DTZ

### ① Ref. No.

The Ref. No. listed may not be in accordance with the illustration Ref. No.

(Ex.) Illustration No.

List Ref No.

1 1 (Before change) → 1-1 (After change)

For interchangeable symbols N, R and K, illustrations for new parts may be abbreviated.

### ② Lev. (Level)

Level indication

The numbers below indicate the level of relativity towards the main part.

1 ---- Main parts (Assembly parts)

2 ---- Sub component included in " 1 ".

3 ---- Sub component included in " 2 ".

Note) Parts that are not for sale are partially illustrated but not listed.

### ③ Interchangeability Symbol

When a part change takes place, one of the following interchangeability symbols is indicated beside the part.

| Symbol | Interchangeability                                                   | Contents note                                                                              |
|--------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| N      | Old $\xrightarrow{\text{Yes}}$ New<br>No $\xrightarrow{\text{No}}$   | New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part. |
| Q      | Old $\xrightarrow{\text{No}}$ New<br>Yes $\xrightarrow{\text{Yes}}$  | New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part. |
| R      | Old $\xrightarrow{\text{Yes}}$ New<br>Yes $\xrightarrow{\text{Yes}}$ | New/ Old Parts are both interchangeable.                                                   |
| S      | Old $\xrightarrow{\text{No}}$ New<br>No $\xrightarrow{\text{No}}$    | New/ Old Parts are both not interchangeable.                                               |
| W      |                                                                      | Part newly added.                                                                          |
| Z      |                                                                      | Part discontinued.                                                                         |
| F      |                                                                      | Not interchangeable by a single part but interchangeable together with related parts.      |
| K      |                                                                      | Changes only for used parts quantities.                                                    |

### ④ Effective Machine No.

When a part changes, the effective Machine No. will be indicated in the (A)-(F) column.

| Product Symbol | Product No.               | Product Symbol | Product No.                       |
|----------------|---------------------------|----------------|-----------------------------------|
| C              | Clutch No. Compressor No. | F              | Machine No. (Agricultural Equip.) |
| D              | Drive No.                 | M              | Machine No.                       |
| E              | Engine No.                |                |                                   |

Note 1) A date may follow the symbol. (Ex.) 1996.01

Note 2) "XXXXX" and "ZZZZZ" are for parts that could not be predicted or for engine models that could not be identified.

Note 3) (A=E00185) is the E (Engine Serial Number) for the column (A) model (in this case 4JH-DT) after the parts design change.

### ⑤ Remarks

Figures or alphabets (symbols) are entered in the remarks column.

The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

# Contents

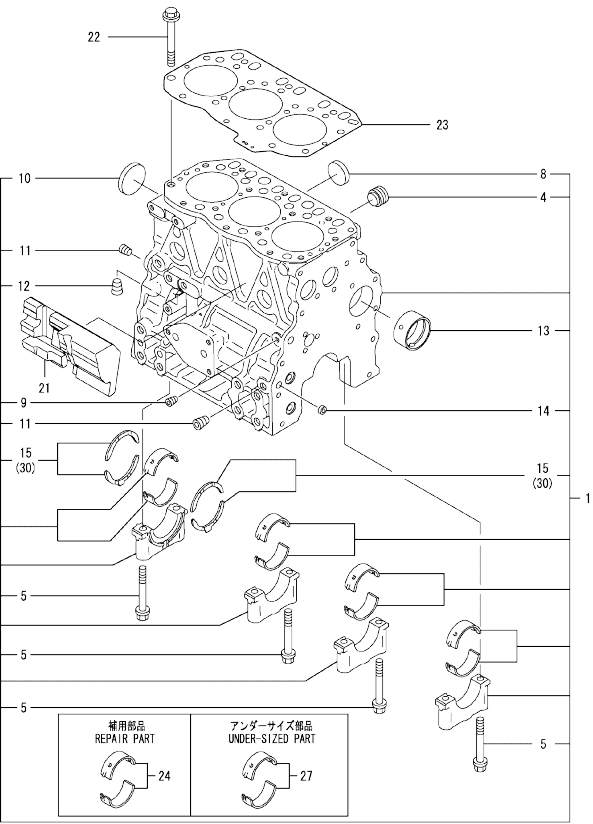
Fig. No.      Fig. Name

ENGINE SECTION (3TNV82A-PDB)

- 1. CYLINDER BLOCK
- 2. GEAR HOUSING
- 3. FLYWHEEL HOUSING & OIL SUMP
- 4. CYLINDER HEAD & BONNET
- 5. SUCTION MANIFOLD
- 6. EXHAUST MANIFOLD & SILENCER
- 7. CAMSHAFT & DRIVING GEAR
- 8. CRANKSHAFT & PISTON
- 9. LUB.OIL SYSTEM
- 10. COOLING WATER SYSTEM
- 11. FUEL INJECTION PUMP
- 12. GOVERNOR
- 13. FUEL INJECTION VALVE
- 14. FUEL LINE
- 15. STARTING MOTOR
- 16. GENERATOR
- 17. GASKET SET

Fig. No.      Fig. Name

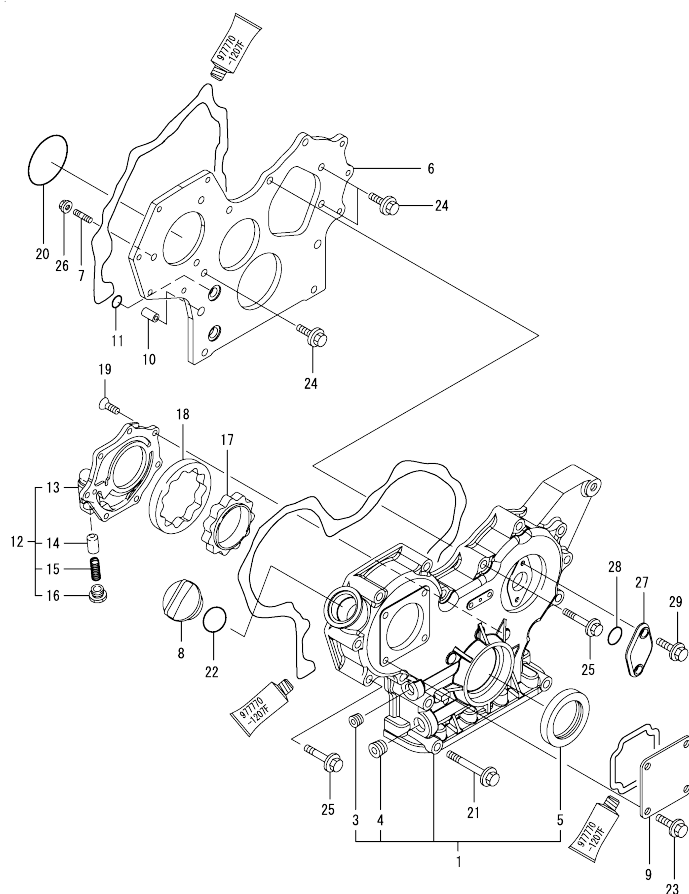
Fig.1. CYLINDER BLOCK



Remarks  
(1) UNDER-SIZED(U.S=0.25)PART.  
(2) OVER-SIZED(O.S=0.25)PART.  
(3) REPAIR PART.

| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 719802-01560 | BLOCK ASSY, CYLINDER | 1    |     |     |     |     |     |   |   |
| 4   | 2    | 171051-01921 | PLUG, NPTF1          | 1    |     |     |     |     |     |   |   |
| 5   | 2    | 119620-02020 | BOLT, METAL CAP      | 8    |     |     |     |     |     |   |   |
| 8   | 2    | 27241-300000 | PLUG 30              | 6    |     |     |     |     |     |   |   |
| 9   | 2    | 124060-01050 | PLUG, PT1/8          | 1    |     |     |     |     |     |   |   |
| 10  | 2    | 129001-01250 | PLUG, 50             | 1    |     |     |     |     |     |   |   |
| 11  | 2    | 124160-01910 | PLUG, PT1/4          | 2    |     |     |     |     |     |   |   |
| 12  | 2    | 124160-01910 | PLUG, PT1/4          | 1    |     |     |     |     |     |   |   |
| 13  | 2    | 129795-02412 | BUSH, CAMSHAFT       | 1    |     |     |     |     |     |   |   |
| 14  | 2    | 27241-120000 | PLUG, 12             | 2    |     |     |     |     |     |   |   |
| 15  | 2    | 119810-02931 | BEARING, THRUST      | 1    |     |     |     |     |     |   |   |
| 21  | 1    | 119802-01190 | SPACER               | 1    |     |     |     |     |     |   |   |
| 22  | 1    | 119810-01200 | BOLT, HEAD           | 14   |     |     |     |     |     |   |   |
| 23  | 1    | 119812-01330 | GASKET, HEAD         | 1    |     |     |     |     |     |   |   |
| 24  | 1    | 719810-02981 | BEARING, MAIN        | 4    |     |     |     |     |     |   | 3 |
| 27  | 1    | 119810-02871 | BEARING, 0.25 US     | 4    |     |     |     |     |     |   | 1 |
| 30  | 1    | 119810-02941 | BEARING, THRUST 0.25 | 2    |     |     |     |     |     |   | 2 |

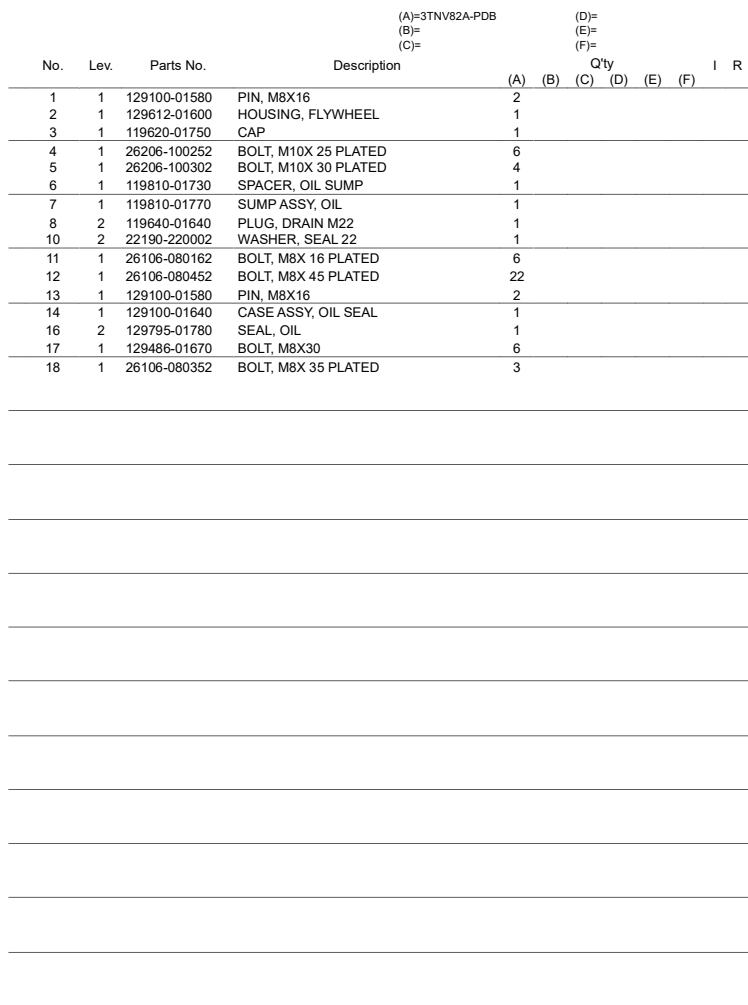
Fig.2. GEAR HOUSING



| No. | Lev. | Parts No.    | Description         | (A) | (B) | (C) | Q'ty<br>(D) | (E) | (F) | I | R |
|-----|------|--------------|---------------------|-----|-----|-----|-------------|-----|-----|---|---|
| 1   | 1    | 729233-01500 | CASE ASSY, GEAR     | 1   |     |     |             |     |     |   |   |
| 3   | 2    | 23876-030000 | PLUG, R03           | 1   |     |     |             |     |     |   |   |
| 4   | 2    | 23876-040000 | PLUG, R04           | 1   |     |     |             |     |     |   |   |
| 5   | 2    | 119934-01800 | SEAL, OIL           | 1   |     |     |             |     |     |   |   |
| 6   | 1    | 119802-01520 | FLANGE, GEAR CASE   | 1   |     |     |             |     |     |   |   |
| 7   | 1    | 119802-01561 | STUD, M8X25         | 3   |     |     |             |     |     |   |   |
| 8   | 1    | 124160-01751 | COVER, FILLER       | 1   |     |     |             |     |     |   |   |
| 9   | 1    | 124240-01871 | COVER               | 1   |     |     |             |     |     |   |   |
| 10  | 1    | 129795-01950 | PIPE, KNOCK L=18    | 2   |     |     |             |     |     |   |   |
| 11  | 1    | 119609-32040 | O-RING, P16         | 4   |     |     |             |     |     |   |   |
| 12  | 1    | 119802-32100 | COVER ASSY          | 1   |     |     |             |     |     |   |   |
| 13  | 2    | 119802-32070 | COVER               | 1   |     |     |             |     |     |   |   |
| 14  | 2    | 129900-32130 | VALVE, RELIEF       | 1   |     |     |             |     |     |   |   |
| 15  | 2    | 129418-32320 | SPRING              | 1   |     |     |             |     |     |   |   |
| 16  | 2    | 129001-32330 | PLUG                | 1   |     |     |             |     |     |   |   |
| 17  | 1    | 119802-32111 | ROTOR, INNER        | 1   |     |     |             |     |     |   |   |
| 18  | 1    | 119802-32120 | ROTOR, OUTER        | 1   |     |     |             |     |     |   |   |
| 19  | 1    | 119802-32130 | SCREW, M6X16        | 7   |     |     |             |     |     |   |   |
| 20  | 1    | 121850-51960 | O-RING              | 1   |     |     |             |     |     |   |   |
| 21  | 1    | 129001-91841 | BOLT, M8X85         | 3   |     |     |             |     |     |   |   |
| 22  | 1    | 24311-000320 | O-RING, 1AP32.0     | 1   |     |     |             |     |     |   |   |
| 23  | 1    | 26106-080162 | BOLT, M8X 16 PLATED | 4   |     |     |             |     |     |   |   |
| 24  | 1    | 26106-080162 | BOLT, M8X 16 PLATED | 3   |     |     |             |     |     |   |   |
| 25  | 1    | 26106-080552 | BOLT, M8X 55 PLATED | 12  |     |     |             |     |     |   |   |
| 26  | 1    | 26306-080002 | NUT, M8             | 3   |     |     |             |     |     |   |   |
| 27  | 1    | 121023-01551 | COVER               | 1   |     |     |             |     |     |   |   |
| 28  | 1    | 24341-000240 | O-RING, 1AS24.0     | 1   |     |     |             |     |     |   |   |
| 29  | 1    | 26106-060162 | BOLT, M6X 16 PLATED | 2   |     |     |             |     |     |   |   |

N:Old  $\xrightarrow{\text{YES}}$  New. Q:Old  $\xrightarrow{\text{NO}}$  New. R:Old  $\xrightarrow{\text{YES}}$  New. S:Old  $\xrightarrow{\text{NO}}$  New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

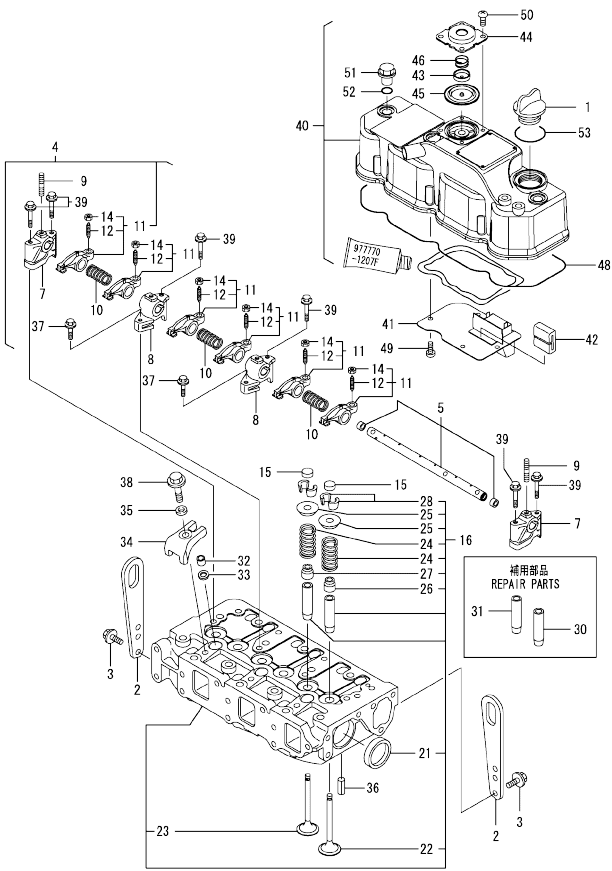
Fig.3. FLYWHEEL HOUSING & OIL SUMP



N:Old  $\xrightarrow{\text{Yes}} \text{New}$ , Q:Old  $\xrightarrow{\text{No}} \text{New}$ , R:Old  $\xrightarrow{\text{Yes}} \text{New}$ , S:Old  $\xrightarrow{\text{No}} \text{New}$ , W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

0CW10-M36200

Fig.4. CYLINDER HEAD & BONNET



(A)=3TNV82A-PDB  
(B)=  
(C)=

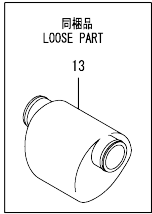
(D)=  
(E)=  
(F)=

| No. | Lev. | Parts No.    | Description         | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|---------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                     | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 124160-01751 | COVER, FILLER       | 1    |     |     |     |     |     |   |   |
| 2   | 1    | 129900-07900 | LIFTER              | 2    |     |     |     |     |     |   |   |
| 3   | 1    | 26106-080162 | BOLT, M8X 16 PLATED | 4    |     |     |     |     |     |   |   |
| 4   | 1    | 119802-11241 | SHAFT ASSY, ROCKER  | 1    |     |     |     |     |     |   |   |
| 5   | 2    | 119802-11251 | SHAFT, ROCKER ARM   | 1    |     |     |     |     |     |   |   |
| 7   | 2    | 119802-11260 | SUPPORT, ROCKER ARM | 2    |     |     |     |     |     |   |   |
| 8   | 2    | 119802-11270 | SUPPORT, ROCKER ARM | 2    |     |     |     |     |     |   |   |
| 9   | 2    | 119802-11280 | STUD                | 3    |     |     |     |     |     |   |   |
| 10  | 2    | 129150-11280 | SPRING              | 3    |     |     |     |     |     |   |   |
| 11  | 2    | 119802-11650 | ARM, ROCKER         | 6    |     |     |     |     |     |   |   |
| 12  | 3    | 129150-11230 | SCREW, VALVE ADJUST | 6    |     |     |     |     |     |   |   |
| 14  | 3    | 129150-11750 | NUT, M8             | 6    |     |     |     |     |     |   |   |
| 15  | 1    | 104211-11370 | CAP, VALVE          | 6    |     |     |     |     |     |   |   |
| 16  | 1    | 119802-11700 | HEAD ASSY, CYLINDER | 1    |     |     |     |     |     |   |   |
| 21  | 2    | 27241-400000 | PLUG, 40            | 2    |     |     |     |     |     |   |   |
| 22  | 2    | 119802-11100 | VALVE, INTAKE       | 3    |     |     |     |     |     |   |   |
| 23  | 2    | 119802-11110 | VALVE, EXHAUST      | 3    |     |     |     |     |     |   |   |
| 24  | 2    | 119810-11120 | SPRING, VALVE       | 6    |     |     |     |     |     |   |   |
| 25  | 2    | 104211-11180 | RETAINER, SPRING    | 6    |     |     |     |     |     |   |   |
| 26  | 2    | 124160-11340 | SEAL, VALVE STEM    | 3    |     |     |     |     |     |   |   |
| 27  | 2    | 119803-11340 | SEAL, VALVE STEM    | 3    |     |     |     |     |     |   |   |
| 28  | 2    | 27310-070001 | COTTER, 7           | 6    |     |     |     |     |     |   |   |
| 30  | 1    | 124060-11800 | GUIDE, VALVE        | 3    |     |     |     |     |     |   | 1 |
| 31  | 1    | 119802-11810 | GUIDE, VALVE        | 3    |     |     |     |     |     |   | 1 |
| 32  | 1    | 119802-11870 | PROTECTOR, NOZZLE   | 3    |     |     |     |     |     |   |   |
| 33  | 1    | 119625-11880 | SEAT, NOZZLE        | 3    |     |     |     |     |     |   |   |
| 34  | 1    | 119802-11900 | RETAINER, NOZZLE    | 3    |     |     |     |     |     |   |   |
| 35  | 1    | 120270-54410 | WASHER, INJECTOR    | 3    |     |     |     |     |     |   |   |
| 36  | 1    | 22351-060012 | PIN, SPRING 6.0X12  | 2    |     |     |     |     |     |   |   |
| 37  | 1    | 26106-080252 | BOLT, M8X 25 PLATED | 2    |     |     |     |     |     |   |   |
| 38  | 1    | 26106-080452 | BOLT, M8X 45 PLATED | 3    |     |     |     |     |     |   |   |
| 39  | 1    | 26106-080502 | BOLT, M8X 50 PLATED | 6    |     |     |     |     |     |   |   |
| 40  | 1    | 119802-11350 | BONNET ASSY, HEAD   | 1    |     |     |     |     |     |   |   |
| 41  | 2    | 119802-03010 | PLATE               | 1    |     |     |     |     |     |   |   |
| 42  | 2    | 129150-03070 | BAFFLE, BREATHER    | 1    |     |     |     |     |     |   |   |
| 43  | 2    | 119802-03110 | PLATE               | 1    |     |     |     |     |     |   |   |
| 44  | 2    | 119802-03121 | COVER, DIAPHRAGM    | 1    |     |     |     |     |     |   |   |
| 45  | 2    | 119802-03130 | DIAPHRAGM           | 1    |     |     |     |     |     |   |   |
| 46  | 2    | 119802-03141 | SPRING, DIAPHRAGM   | 1    |     |     |     |     |     |   |   |
| 48  | 2    | 119802-11310 | GASKET, BONNET      | 1    |     |     |     |     |     |   |   |
| 49  | 2    | 22857-500100 | SCREW, 5X10         | 4    |     |     |     |     |     |   |   |
| 50  | 2    | 22857-500100 | SCREW, 5X10         | 4    |     |     |     |     |     |   |   |
| 51  | 1    | 124160-11360 | KNOB                | 3    |     |     |     |     |     |   |   |
| 52  | 1    | 24311-000120 | O-RING, 1AP12.0     | 3    |     |     |     |     |     |   |   |
| 53  | 1    | 24311-000320 | O-RING, 1AP32.0     | 1    |     |     |     |     |     |   |   |

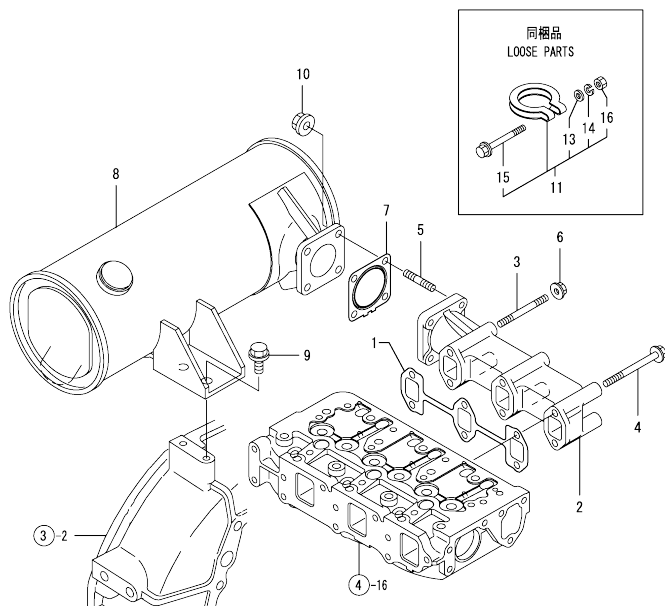
Remarks  
(1) REPAIR PART.

N:Old  $\frac{NBS}{100}$  New, Q:Old  $\frac{HQ}{100}$  New, R:Old  $\frac{RBS}{100}$  New, S:Old  $\frac{HS}{100}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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Fig.5. SUCTION MANIFOLD

[illegible]

N:Old  $\frac{\text{Yes}}{\text{No}}$  New. Q:Old  $\frac{\text{No}}{\text{Yes}}$  New. R:Old  $\frac{\text{Yes}}{\text{Yes}}$  New. S:Old  $\frac{\text{No}}{\text{No}}$  New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change



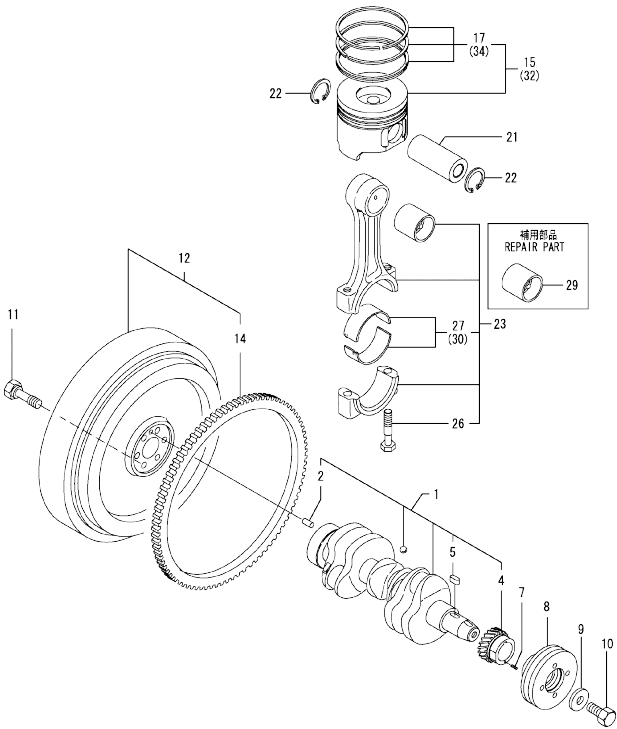
|     |      |              |                      | (A)=3TNV82A-PDB |     |     |      |     | (D)= |     |   |   |  |
|-----|------|--------------|----------------------|-----------------|-----|-----|------|-----|------|-----|---|---|--|
|     |      |              |                      | (B)=            |     |     |      |     | (E)= |     |   |   |  |
|     |      |              |                      | (C)=            |     |     |      |     | (F)= |     |   |   |  |
| No. | Lev. | Parts No.    | Description          | (A)             | (B) | (C) | Q'ty | (D) | (E)  | (F) | I | R |  |
| 1   | 1    | 119810-13110 | GASKET               | 1               |     |     |      |     |      |     |   |   |  |
| 2   | 1    | 119802-13129 | MANIFOLD, EXHAUST    | 1               |     |     |      |     |      |     |   |   |  |
| 3   | 1    | 123900-13610 | STUD, M8X80          | 2               |     |     |      |     |      |     |   |   |  |
| 4   | 1    | 123900-13630 | BOLT, M8X80          | 4               |     |     |      |     |      |     |   |   |  |
| 5   | 1    | 119131-18320 | STUD, M8X22          | 4               |     |     |      |     |      |     |   |   |  |
| 6   | 1    | 26306-080002 | NUT, M8              | 2               |     |     |      |     |      |     |   |   |  |
| 7   | 1    | 129004-13200 | GASKET, SILENCER     | 1               |     |     |      |     |      |     |   |   |  |
| 8   | 1    | 129245-13550 | SILENCER             | 1               |     |     |      |     |      |     |   |   |  |
| 9   | 1    | 26106-100202 | BOLT, M10X 20 PLATED | 2               |     |     |      |     |      |     |   |   |  |
| 10  | 1    | 26306-080002 | NUT, M8              | 4               |     |     |      |     |      |     |   |   |  |
| 11  | 1    | 121120-13590 | CLAMP                | 1               |     |     |      |     |      |     |   |   |  |
| 13  | 2    | 22117-100000 | WASHER, 10           | 1               |     |     |      |     |      |     |   |   |  |
| 14  | 2    | 22217-100000 | WASHER, SPRING 10    | 1               |     |     |      |     |      |     |   |   |  |
| 15  | 2    | 26106-100652 | BOLT, M10X 65 PLATED | 1               |     |     |      |     |      |     |   |   |  |
| 16  | 2    | 26706-100002 | NUT, M10             | 1               |     |     |      |     |      |     |   |   |  |



N:Old  $\xrightarrow{\text{Yes}} \text{New}$ , Q:Old  $\xrightarrow{\text{No}} \text{New}$ , R:Old  $\xrightarrow{\text{Yes}} \text{New}$ , S:Old  $\xrightarrow{\text{No}} \text{New}$ , W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

0CW10-M36200

Fig.8. CRANKSHAFT & PISTON

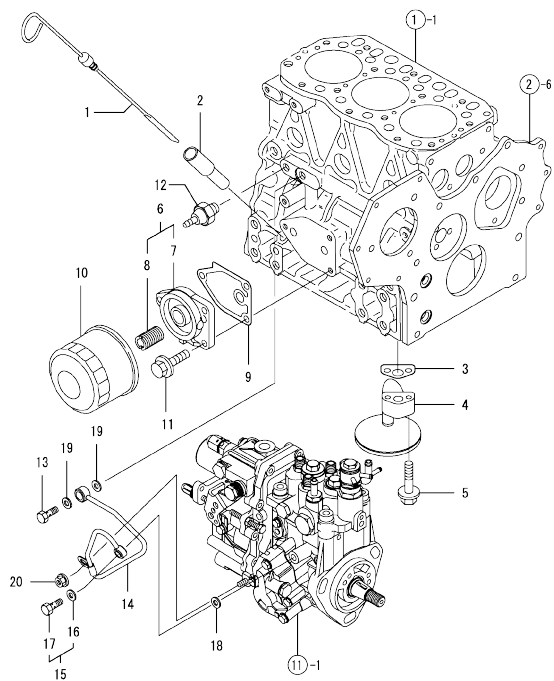


Remarks  
(1) REPAIR PART.  
(2) UNDER-SIZED(U.S=0.25)PART.  
(3) OVER-SIZED(O.S=0.25)PART.

| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 119802-21002 | CRANKSHAFT ASSY      | 1    |     |     |     |     |     |   |   |
| 2   | 2    | 129100-01580 | PIN, M8X16           | 1    |     |     |     |     |     |   |   |
| 4   | 2    | 119802-21202 | GEAR, CRANKSHAFT     | 1    |     |     |     |     |     |   |   |
| 5   | 2    | 22512-070140 | KEY, 7X 14           | 1    |     |     |     |     |     |   |   |
| 7   | 1    | 22351-030010 | PIN, SPRING 3.0X10   | 1    |     |     |     |     |     |   |   |
| 8   | 1    | 119802-21660 | V-PULLEY, 120        | 1    |     |     |     |     |     |   |   |
| 9   | 1    | 129795-21661 | WASHER               | 1    |     |     |     |     |     |   |   |
| 10  | 1    | 121850-21680 | BOLT                 | 1    |     |     |     |     |     |   |   |
| 11  | 1    | 121111-21501 | BOLT, FLYWHEEL       | 6    |     |     |     |     |     |   |   |
| 12  | 1    | 129489-21590 | FLYWHEEL ASSY        | 1    |     |     |     |     |     |   |   |
| 14  | 2    | 119865-21600 | GEAR, RING           | 1    |     |     |     |     |     |   |   |
| 15  | 1    | 119802-22080 | PISTON ASSY          | 3    |     |     |     |     |     |   |   |
| 17  | 2    | 119802-22500 | RING SET, PISTON     | 3    |     |     |     |     |     |   |   |
| 21  | 1    | 119813-22300 | PIN, PISTON          | 3    |     |     |     |     |     |   |   |
| 22  | 1    | 129792-22400 | CIRCLIP, 23          | 6    |     |     |     |     |     |   |   |
| 23  | 1    | 719810-23100 | ROD ASSY, CONNECTING | 3    |     |     |     |     |     |   |   |
| 26  | 2    | 119810-23200 | BOLT, CONNECTING ROD | 6    |     |     |     |     |     |   |   |
| 27  | 2    | 119810-23601 | BEARING, CRANK PIN   | 3    |     |     |     |     |     |   |   |
| 29  | 1    | 119810-23910 | BEARING, PISTON PIN  | 3    |     |     |     |     |     |   | 1 |
| 30  | 1    | 119810-23611 | BEARING, 0.25 US     | 3    |     |     |     |     |     |   | 2 |
| 32  | 1    | 119802-22900 | PISTON ASSY, 0.25 OS | 3    |     |     |     |     |     |   | 3 |
| 34  | 2    | 119802-22950 | RING SET, 0.25 OS    | 3    |     |     |     |     |     |   | 3 |

N:Old  $\frac{YES}{NO}$  New, Q:Old  $\frac{R/O}{YES}$  New, R:Old  $\frac{YES}{NO}$  New, S:Old  $\frac{R/O}{YES}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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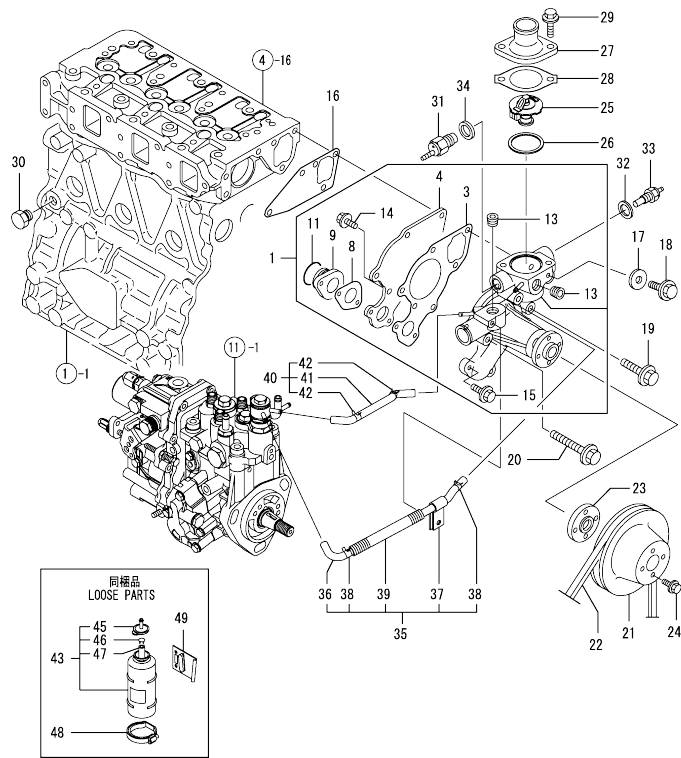
Fig.9. LUB.OIL SYSTEM



Remarks  
(1) REPAIR PART.

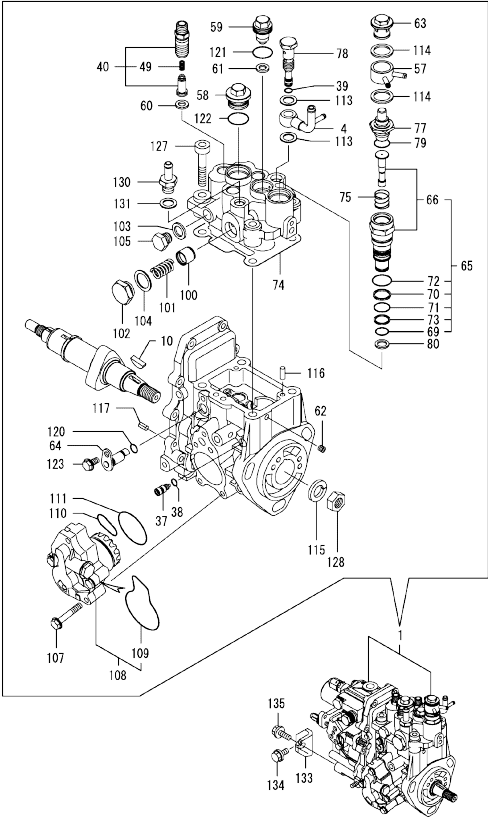
| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 119802-34802 | DIPSTICK, OIL        | 1    |     |     |     |     |     |   |   |
| 2   | 1    | 121520-34810 | GUIDE, DIPSTICK      | 1    |     |     |     |     |     |   |   |
| 3   | 1    | 129150-35042 | GASKET               | 1    |     |     |     |     |     |   |   |
| 4   | 1    | 119810-35300 | PIPE ASSY, OIL INLET | 1    |     |     |     |     |     |   |   |
| 5   | 1    | 26106-080352 | BOLT, M8X 35 PLATED  | 2    |     |     |     |     |     |   |   |
| 6   | 1    | 119802-35100 | BRACKET ASSY, FILTER | 1    |     |     |     |     |     |   |   |
| 7   | 2    | 119802-35110 | BRACKET, FILTER      | 1    |     |     |     |     |     |   |   |
| 8   | 2    | 129100-35140 | STUD                 | 1    |     |     |     |     |     |   |   |
| 9   | 1    | 129150-35111 | GASKET               | 1    |     |     |     |     |     |   |   |
| 10  | 1    | 129150-35153 | FILTER               | 1    |     |     |     |     |     |   | 1 |
| 11  | 1    | 26106-080202 | BOLT, M8X 20 PLATED  | 3    |     |     |     |     |     |   |   |
| 12  | 1    | 114250-39450 | SWITCH, 0.5KG        | 1    |     |     |     |     |     |   |   |
| 13  | 1    | 124160-39140 | BOLT, PIPE JOINT M10 | 1    |     |     |     |     |     |   |   |
| 14  | 1    | 119802-39450 | PIPE ASSY, OIL       | 1    |     |     |     |     |     |   |   |
| 15  | 1    | 129005-59830 | BOLT ASSY, JOINT M8  | 1    |     |     |     |     |     |   |   |
| 16  | 2    | 22190-080002 | WASHER, SEAL 6       | 1    |     |     |     |     |     |   |   |
| 17  | 2    | 23857-030000 | BOLT, JOINT 3        | 1    |     |     |     |     |     |   |   |
| 18  | 1    | 22190-080002 | WASHER, SEAL 6       | 1    |     |     |     |     |     |   |   |
| 19  | 1    | 22190-100002 | WASHER, SEAL 10      | 2    |     |     |     |     |     |   |   |
| 20  | 1    | 26366-060002 | NUT, M6              | 1    |     |     |     |     |     |   |   |

Fig.10. COOLING WATER SYSTEM



| No. | Lev. | Parts No.    | Description         | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|---------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                     | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 119802-42001 | PUMP ASSY, WATER    | 1    |     |     |     |     |     |   |   |
| 3   | 2    | 119810-42051 | GASKET, WATER PUMP  | 1    |     |     |     |     |     |   |   |
| 4   | 2    | 119810-42120 | PLATE               | 1    |     |     |     |     |     |   |   |
| 8   | 2    | 119810-42281 | GASKET, WATER PUMP  | 1    |     |     |     |     |     |   |   |
| 9   | 2    | 119810-42290 | PIPE                | 1    |     |     |     |     |     |   |   |
| 11  | 2    | 129054-42320 | O-RING              | 1    |     |     |     |     |     |   |   |
| 13  | 2    | 23876-030000 | PLUG, R03           | 2    |     |     |     |     |     |   |   |
| 14  | 2    | 26106-060142 | BOLT, M6X 14 PLATED | 2    |     |     |     |     |     |   |   |
| 15  | 2    | 26106-060202 | BOLT, M6X 20 PLATED | 2    |     |     |     |     |     |   |   |
| 16  | 1    | 129486-42050 | GASKET, WATER PUMP  | 1    |     |     |     |     |     |   |   |
| 17  | 1    | 23414-080000 | GASKET, 8X1.0       | 1    |     |     |     |     |     |   |   |
| 18  | 1    | 26106-080122 | BOLT, M8X 12 PLATED | 1    |     |     |     |     |     |   |   |
| 19  | 1    | 26106-080352 | BOLT, M8X 35 PLATED | 1    |     |     |     |     |     |   |   |
| 20  | 1    | 26106-080552 | BOLT, M8X 55 PLATED | 3    |     |     |     |     |     |   |   |
| 21  | 1    | 129120-42350 | V-PULLEY, 130       | 1    |     |     |     |     |     |   |   |
| 22  | 1    | 25152-004000 | V-BELT, A40         | 1    |     |     |     |     |     |   |   |
| 23  | 1    | 124574-44761 | SPACER, FAN         | 1    |     |     |     |     |     |   |   |
| 24  | 1    | 26106-060202 | BOLT, M6X 20 PLATED | 4    |     |     |     |     |     |   |   |
| 25  | 1    | 129155-49801 | THERMOSTAT, 71      | 1    |     |     |     |     |     |   |   |
| 26  | 1    | 129150-49811 | GASKET, THERMOSTAT  | 1    |     |     |     |     |     |   |   |
| 27  | 1    | 129350-49530 | COVER, THERMOSTAT   | 1    |     |     |     |     |     |   |   |
| 28  | 1    | 129795-49551 | GASKET              | 1    |     |     |     |     |     |   |   |
| 29  | 1    | 26106-080222 | BOLT, M8X 22 PLATED | 2    |     |     |     |     |     |   |   |
| 30  | 1    | 171056-49120 | PLUG, DRAIN         | 1    |     |     |     |     |     |   |   |
| 31  | 1    | 121250-44901 | SWITCH, 110         | 1    |     |     |     |     |     |   |   |
| 32  | 1    | 124465-44950 | GASKET, 16          | 1    |     |     |     |     |     |   |   |
| 33  | 1    | 124250-49351 | SENSOR              | 1    |     |     |     |     |     |   |   |
| 34  | 1    | 129150-49360 | GASKET              | 1    |     |     |     |     |     |   |   |
| 35  | 1    | 119802-49610 | PIPE ASSY, WATER    | 1    |     |     |     |     |     |   |   |
| 36  | 2    | 119802-49711 | PIPE ASSY, WATER    | 1    |     |     |     |     |     |   |   |
| 37  | 2    | 119802-49730 | RETAINER, PIPE      | 1    |     |     |     |     |     |   |   |
| 38  | 2    | 124722-59050 | CLIP, HOSE 9        | 2    |     |     |     |     |     |   |   |
| 39  | 2    | 119802-59320 | TUBE, CORRUGATED    | 1    |     |     |     |     |     |   |   |
| 40  | 1    | 119802-49620 | PIPE ASSY, WATER    | 1    |     |     |     |     |     |   |   |
| 41  | 2    | 119802-49721 | PIPE ASSY, WATER    | 1    |     |     |     |     |     |   |   |
| 42  | 2    | 124722-59050 | CLIP, HOSE 9        | 2    |     |     |     |     |     |   |   |
| 43  | 1    | 124450-44510 | TANK ASSY, SUB      | 1    |     |     |     |     |     |   |   |
| 45  | 2    | 124450-44530 | CAP                 | 1    |     |     |     |     |     |   |   |
| 46  | 2    | 124450-44560 | RETAINER            | 1    |     |     |     |     |     |   |   |
| 47  | 2    | 23061-070230 | PIPE, 7X 230        | 1    |     |     |     |     |     |   |   |
| 48  | 1    | 124450-44550 | BAND                | 1    |     |     |     |     |     |   |   |
| 49  | 1    | 121256-44600 | BRACKET, SUB TANK   | 1    |     |     |     |     |     |   |   |

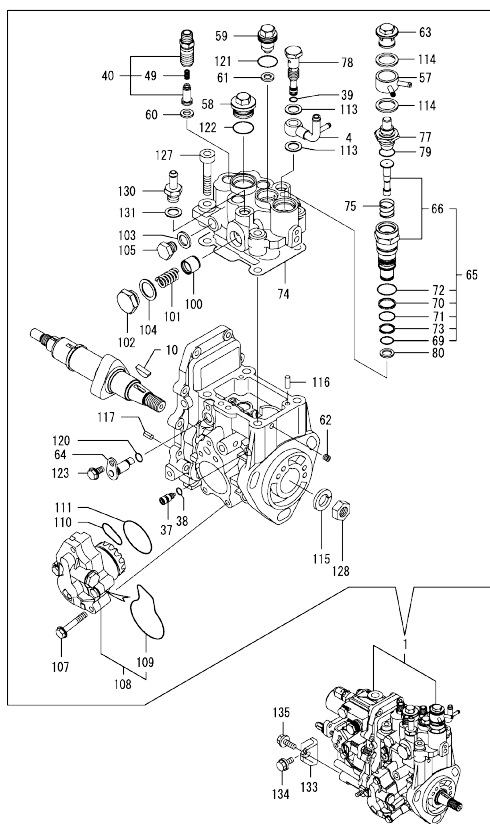
Fig.11. FUEL INJECTION PUMP



Remarks  
(1) GOVERNOR ASSY(FIG.12) IS  
INCORPORATED IN THIS FUEL  
INJECTION PUMP(REF.NO.1).

| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 719940-51350 | PUMP ASSY, INJECTION | 1    |     |     |     |     |     |   | 1 |
| 4   | 2    | 158552-51670 | JOINT, OVER FLOW     | 1    |     |     |     |     |     |   |   |
| 10  | 2    | 119802-51090 | KEY, 4X16            | 1    |     |     |     |     |     |   |   |
| 37  | 2    | 158600-51270 | STOPPER, TAPPET      | 1    |     |     |     |     |     |   |   |
| 38  | 2    | 158563-51281 | O-RING, 4D S6        | 1    |     |     |     |     |     |   |   |
| 39  | 2    | 158563-51281 | O-RING, 4D S6        | 1    |     |     |     |     |     |   |   |
| 40  | 2    | 129509-51390 | VALVE ASSY, DELIVERY | 3    |     |     |     |     |     |   |   |
| 49  | 3    | 158563-51330 | SPRING, DELIVERY     | 3    |     |     |     |     |     |   |   |
| 57  | 2    | 158553-51551 | JOINT                | 1    |     |     |     |     |     |   |   |
| 58  | 2    | 158601-51550 | PLUG                 | 1    |     |     |     |     |     |   |   |
| 59  | 2    | 119802-51560 | PLUG, BARREL         | 1    |     |     |     |     |     |   |   |
| 60  | 2    | 158552-51571 | GASKET               | 3    |     |     |     |     |     |   |   |
| 61  | 2    | 158552-51571 | GASKET               | 1    |     |     |     |     |     |   |   |
| 62  | 2    | 158557-51570 | PLUG                 | 1    |     |     |     |     |     |   |   |
| 63  | 2    | 158601-51570 | PLUG                 | 1    |     |     |     |     |     |   |   |
| 64  | 2    | 158552-51580 | LIFTER               | 1    |     |     |     |     |     |   |   |
| 65  | 2    | 119802-51590 | TIMER SET            | 1    |     |     |     |     |     |   |   |
| 66  | 3    | 119802-51600 | TIMER ASSY           | 1    |     |     |     |     |     |   |   |
| 69  | 3    | 158553-51670 | O-RING, 1011         | 1    |     |     |     |     |     |   |   |
| 70  | 3    | 119802-51680 | RING, BACK UP        | 1    |     |     |     |     |     |   |   |
| 71  | 3    | 119802-51690 | O-RING               | 1    |     |     |     |     |     |   |   |
| 72  | 3    | 24356-010200 | O-RING, 4D1020       | 1    |     |     |     |     |     |   |   |
| 73  | 3    | 24372-000150 | RING, BACK UP T2P15  | 1    |     |     |     |     |     |   |   |
| 74  | 2    | 158552-51600 | GASKET               | 1    |     |     |     |     |     |   |   |
| 75  | 2    | 158553-51630 | SPRING, TIMER        | 1    |     |     |     |     |     |   |   |
| 77  | 2    | 158553-51640 | ELEMENT              | 1    |     |     |     |     |     |   |   |
| 78  | 2    | 158601-51650 | JOINT, OVER FLOW     | 1    |     |     |     |     |     |   |   |
| 79  | 2    | 158553-51660 | O-RING, P14          | 1    |     |     |     |     |     |   |   |
| 80  | 2    | 158553-51680 | GASKET               | 1    |     |     |     |     |     |   |   |
| 100 | 2    | 158601-51770 | PISTON               | 1    |     |     |     |     |     |   |   |
| 101 | 2    | 158552-51781 | SPRING               | 1    |     |     |     |     |     |   |   |
| 102 | 2    | 158601-51790 | PLUG                 | 1    |     |     |     |     |     |   |   |
| 103 | 2    | 22190-120002 | WASHER, SEAL 12      | 1    |     |     |     |     |     |   |   |
| 104 | 2    | 22190-180002 | WASHER, SEAL 18      | 1    |     |     |     |     |     |   |   |
| 105 | 2    | 23887-120002 | PLUG, 12             | 1    |     |     |     |     |     |   |   |
| 107 | 2    | 158553-51770 | BOLT                 | 4    |     |     |     |     |     |   |   |
| 108 | 2    | 158552-52100 | PUMP ASSY, FUEL FEED | 1    |     |     |     |     |     |   |   |
| 109 | 3    | 158552-52500 | O-RING               | 1    |     |     |     |     |     |   |   |
| 110 | 2    | 158552-52310 | O-RING               | 1    |     |     |     |     |     |   |   |
| 111 | 2    | 158552-52400 | O-RING, 4E S42       | 1    |     |     |     |     |     |   |   |
| 113 | 2    | 22190-120002 | WASHER, SEAL 12      | 2    |     |     |     |     |     |   |   |
| 114 | 2    | 22190-180002 | WASHER, SEAL 18      | 2    |     |     |     |     |     |   |   |
| 115 | 2    | 22217-140000 | WASHER, SPRING 14    | 1    |     |     |     |     |     |   |   |
| 116 | 2    | 22312-050140 | PIN, PARALLEL M5X14  | 2    |     |     |     |     |     |   |   |
| 117 | 2    | 22351-050010 | PIN, SPRING 5.0X10   | 2    |     |     |     |     |     |   |   |
| 120 | 2    | 24311-000070 | O-RING, 1AP7.0       | 1    |     |     |     |     |     |   |   |
| 121 | 2    | 24356-010180 | O-RING, 4D1018       | 1    |     |     |     |     |     |   |   |
| 122 | 2    | 24356-010200 | O-RING, 4D1020       | 1    |     |     |     |     |     |   |   |
| 123 | 2    | 26106-060102 | BOLT, M6X 10 PLATED  | 1    |     |     |     |     |     |   |   |
| 127 | 2    | 26450-080452 | BOLT, M8X 45         | 4    |     |     |     |     |     |   |   |
| 128 | 2    | 26776-140002 | NUT, LOCK M14        | 1    |     |     |     |     |     |   |   |

N:Old  $\frac{New}{Old}$  New, Q:Old  $\frac{New}{Old}$  New, R:Old  $\frac{New}{Old}$  New, S:Old  $\frac{New}{Old}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
++ CONTINUE ++  
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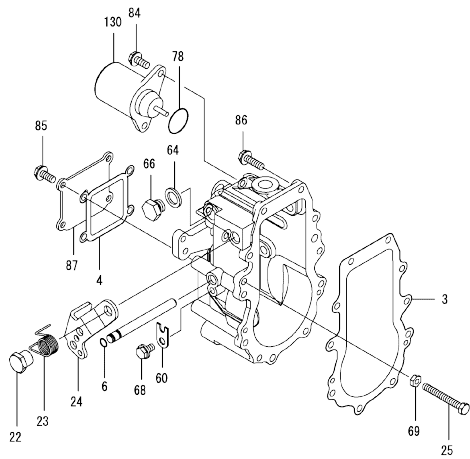
Remarks  
(1) GOVERNOR ASSY(FIG.12) IS  
INCORPORATED IN THIS FUEL  
INJECTION PUMP(REF.NO.1).

|     |      |              |                     | (A)=3TNV82A-PDB<br>(B)=<br>(C)= | (D)=<br>(E)=<br>(F)= |     |             |     |     |   |   |
|-----|------|--------------|---------------------|---------------------------------|----------------------|-----|-------------|-----|-----|---|---|
| No. | Lev. | Parts No.    | Description         | (A)                             | (B)                  | (C) | Q'ty<br>(D) | (E) | (F) | I | R |
| 130 | 2    | 119934-59910 | JOINT, PIPE         | 1                               |                      |     |             |     |     |   |   |
| 131 | 2    | 22190-120002 | WASHER, SEAL 12     | 1                               |                      |     |             |     |     |   |   |
| 133 | 1    | 119802-51250 | RETAINER, PUMP      | 1                               |                      |     |             |     |     |   |   |
| 134 | 1    | 26106-080162 | BOLT, M8X 16 PLATED | 1                               |                      |     |             |     |     |   |   |
| 135 | 1    | 26106-080202 | BOLT, M8X 20 PLATED | 1                               |                      |     |             |     |     |   |   |

N:Old  $\xrightarrow{\text{Yes}} \text{New}$ , Q:Old  $\xrightarrow{\text{No}} \text{New}$ , R:Old  $\xrightarrow{\text{Yes}} \text{New}$ , S:Old  $\xrightarrow{\text{No}} \text{New}$ , W:Add, Z:Discontinued, F:Interchangeable by set, K:Qty Change

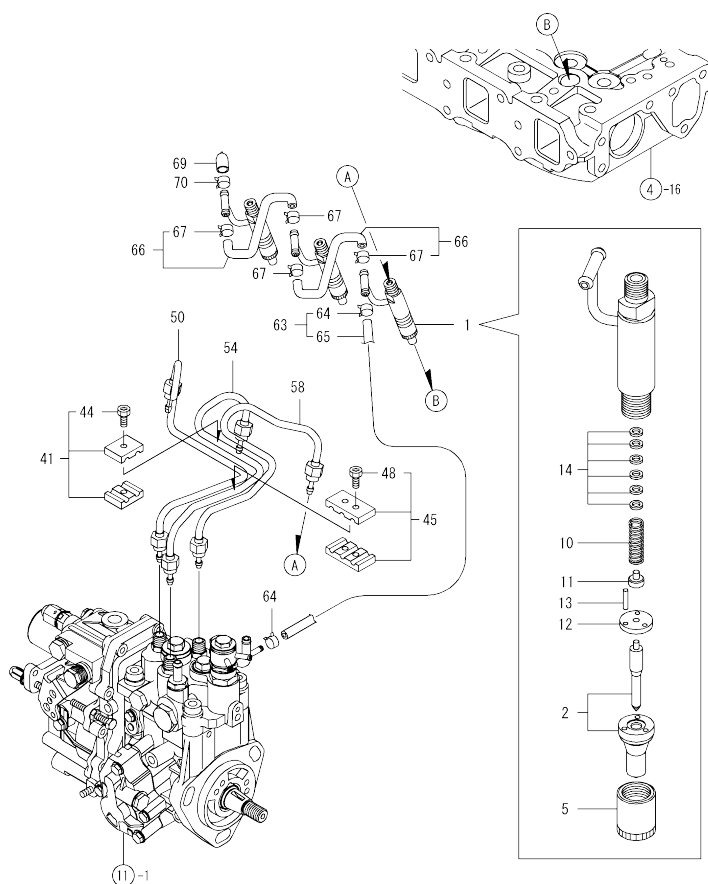
0CW10-M36200

Fig.12. GOVERNOR



Remarks  
\* THIS FIGURE(GOVERNOR ASSY)IS  
INCORPORATED IN THE FUEL INJECTION  
PUMP ASSY(FIG.11).

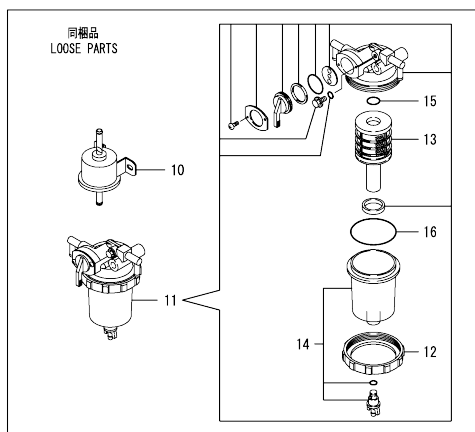
| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 3   | 2    | 158553-61050 | GASKET               | 1    |     |     |     |     |     |   |   |
| 4   | 2    | 158553-61070 | GASKET               | 1    |     |     |     |     |     |   |   |
| 6   | 2    | 129155-51280 | O-RING, S6           | 1    |     |     |     |     |     |   |   |
| 22  | 2    | 129255-61410 | NUT, LOCK            | 1    |     |     |     |     |     |   |   |
| 23  | 2    | 119807-61420 | SPRING, RETURN       | 1    |     |     |     |     |     |   |   |
| 24  | 2    | 158552-61441 | LEVER, REGULATOR     | 1    |     |     |     |     |     |   |   |
| 25  | 2    | 129155-61460 | BOLT, IDLE           | 1    |     |     |     |     |     |   |   |
| 60  | 2    | 119660-61901 | RETAINER, SHAFT      | 1    |     |     |     |     |     |   |   |
| 64  | 2    | 22190-120000 | WASHER, SEAL 12      | 1    |     |     |     |     |     |   |   |
| 66  | 2    | 23887-120002 | PLUG, 12             | 1    |     |     |     |     |     |   |   |
| 68  | 2    | 26106-060102 | BOLT, M6X 10 PLATED  | 1    |     |     |     |     |     |   |   |
| 69  | 2    | 26756-060002 | NUT, LOCK M6         | 1    |     |     |     |     |     |   |   |
| 78  | 2    | 158552-61900 | O-RING               | 1    |     |     |     |     |     |   |   |
| 84  | 2    | 26106-060142 | BOLT, M6X 14 PLATED  | 2    |     |     |     |     |     |   |   |
| 85  | 2    | 26106-060142 | BOLT, M6X 14 PLATED  | 4    |     |     |     |     |     |   |   |
| 86  | 2    | 26106-060202 | BOLT, M6X 20 PLATED  | 10   |     |     |     |     |     |   |   |
| 87  | 2    | 129642-61060 | COVER, GOVERNOR CASE | 1    |     |     |     |     |     |   |   |
| 130 | 2    | 119233-77932 | SOLENOID, STOP       | 1    |     |     |     |     |     |   |   |



| No. | Lev. | Parts No.    | Description          | (A) | (B) | (C) | (D) | (E) | (F) | I | R |
|-----|------|--------------|----------------------|-----|-----|-----|-----|-----|-----|---|---|
| 1   | 1    | 729240-53200 | VALVE ASSY,INJECTION | 3   |     |     |     |     |     |   |   |
| 2   | 2    | 129240-53001 | VALVE ASSY,INJECTION | 3   |     |     |     |     |     |   |   |
| 5   | 2    | 114250-53080 | NUT, NOZZLE D16.95   | 3   |     |     |     |     |     |   |   |
| 10  | 2    | 114250-53120 | SPRING, NOZZLE       | 3   |     |     |     |     |     |   |   |
| 11  | 2    | 114250-53130 | SEAT, SPRING         | 3   |     |     |     |     |     |   |   |
| 12  | 2    | 114250-53140 | PLATE                | 3   |     |     |     |     |     |   |   |
| 13  | 2    | 114250-53210 | PIN                  | 6   |     |     |     |     |     |   |   |
| 14  | 2    | 119803-53400 | SHIM SET             | 3   |     |     |     |     |     |   |   |
| 41  | 1    | 119305-59120 | RETAINER, PIPE       | 1   |     |     |     |     |     |   |   |
| 44  | 2    | 129150-59131 | BOLT, M4X14          | 1   |     |     |     |     |     |   |   |
| 45  | 1    | 129150-59120 | RETAINER, PIPE       | 1   |     |     |     |     |     |   |   |
| 48  | 2    | 129150-59131 | BOLT, M4X14          | 2   |     |     |     |     |     |   |   |
| 50  | 1    | 119802-59810 | PIPE ASSY, INJECTION | 1   |     |     |     |     |     |   |   |
| 54  | 1    | 119802-59820 | PIPE ASSY, INJECTION | 1   |     |     |     |     |     |   |   |
| 58  | 1    | 119802-59830 | PIPE ASSY, INJECTION | 1   |     |     |     |     |     |   |   |
| 63  | 1    | 119802-59550 | PIPE ASSY, RETURN    | 1   |     |     |     |     |     |   |   |
| 64  | 2    | 124722-59050 | CLIP, HOSE 9         | 2   |     |     |     |     |     |   |   |
| 65  | 2    | 119802-59560 | PIPE, FUEL RETURN    | 1   |     |     |     |     |     |   |   |
| 66  | 1    | 129486-59551 | PIPE ASSY, RETURN    | 2   |     |     |     |     |     |   |   |
| 67  | 2    | 124722-59050 | CLIP, HOSE 9         | 4   |     |     |     |     |     |   |   |
| 69  | 1    | 119593-59581 | CAP                  | 1   |     |     |     |     |     |   |   |
| 70  | 1    | 124060-77680 | CLIP, HOSE 10        | 1   |     |     |     |     |     |   |   |

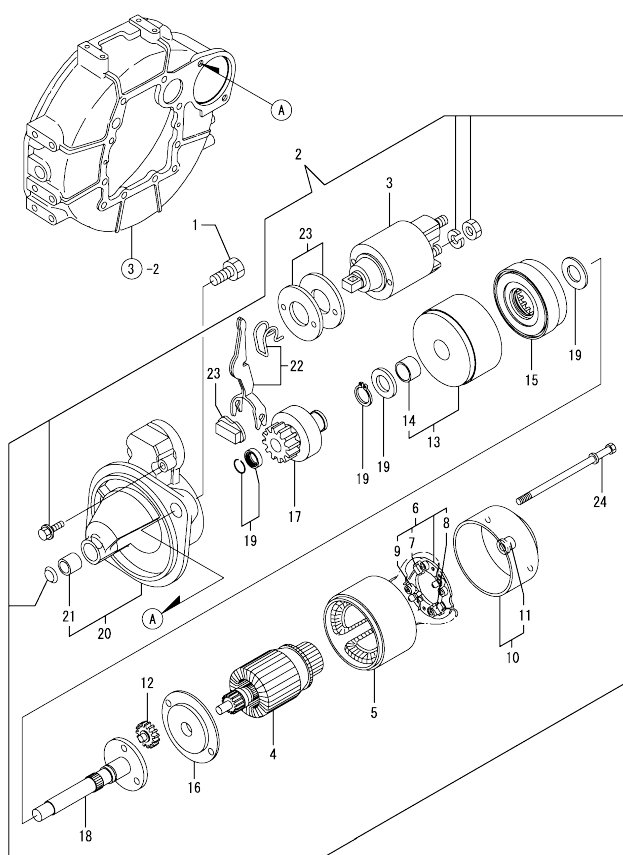
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Fig.14. FUEL LINE



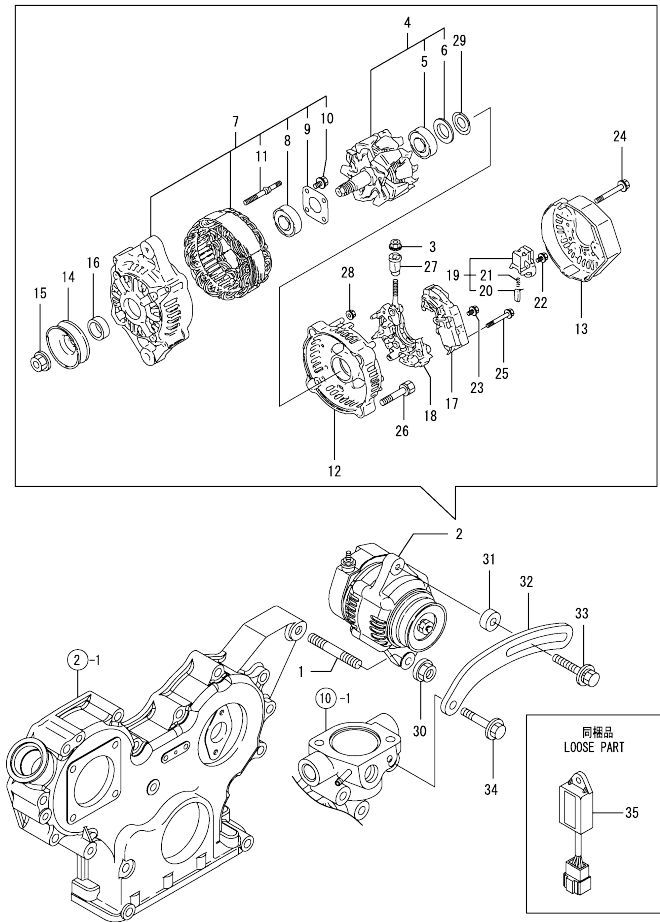
|     |      |              |                      |     | (A)=3TNV82A-PDB<br>(B)=<br>(C)= | (D)=<br>(E)=<br>(F)= |            |     |     |   |   |
|-----|------|--------------|----------------------|-----|---------------------------------|----------------------|------------|-----|-----|---|---|
| No. | Lev. | Parts No.    | Description          | (A) | (B)                             | (C)                  | Qty<br>(D) | (E) | (F) | I | R |
| 1   | 1    | 129004-55612 | BRACKET, FILTER      | 1   |                                 |                      |            |     |     |   |   |
| 2   | 1    | 119802-55801 | FILTER, FUEL         | 1   |                                 |                      |            |     |     |   |   |
| 3   | 1    | 26106-080302 | BOLT, M8X 30 PLATED  | 2   |                                 |                      |            |     |     |   |   |
| 4   | 1    | 129210-59100 | PIPE ASSY, FUEL      | 1   |                                 |                      |            |     |     |   |   |
| 5   | 2    | 124766-59050 | CLIP, HOSE 12        | 2   |                                 |                      |            |     |     |   |   |
| 6   | 2    | 105025-59580 | PIPE, FUEL           | 1   |                                 |                      |            |     |     |   |   |
| 7   | 1    | 129210-59230 | PIPE ASSY, FUEL      | 1   |                                 |                      |            |     |     |   |   |
| 8   | 2    | 124766-59050 | CLIP, HOSE 12        | 2   |                                 |                      |            |     |     |   |   |
| 9   | 2    | 129555-59511 | PIPE, FUEL           | 1   |                                 |                      |            |     |     |   |   |
| 10  | 1    | 129612-52100 | PUMP ASSY, FUEL FEED | 1   |                                 |                      |            |     |     |   |   |
| 11  | 1    | 129906-55700 | SEPARATOR ASSY       | 1   |                                 |                      |            |     |     |   |   |
| 12  | 2    | 129100-55690 | RING, RETAINING      | 1   |                                 |                      |            |     |     |   |   |
| 13  | 2    | 119802-55710 | ELEMENT              | 1   |                                 |                      |            |     |     |   |   |
| 14  | 2    | 119802-55730 | CUP ASSY             | 1   |                                 |                      |            |     |     |   |   |
| 15  | 2    | 24311-000160 | O-RING, 1AP16.0      | 1   |                                 |                      |            |     |     |   |   |
| 16  | 2    | 24321-000650 | O-RING, 1AG65.0      | 1   |                                 |                      |            |     |     |   |   |

N:Old  $\xleftrightarrow[\text{No}]{\text{Yes}}$  New, Q:Old  $\xleftrightarrow[\text{Yes}]{\text{No}}$  New, R:Old  $\xleftrightarrow[\text{Yes}]{\text{No}}$  New, S:Old  $\xleftrightarrow[\text{No}]{\text{Yes}}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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| No. | Lev. | Parts No.    | Description          | (A) | (B) | (C) | (D) | (E) | (F) | I | R |
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| 1   | 1    | 26116-120252 | BOLT, M12X 25 PLATED | 2   |     |     |     |     |     |   |   |
| 2   | 1    | 129242-77010 | STARTER              | 1   |     |     |     |     |     |   |   |
| 3   | 2    | 129698-77020 | SWITCH ASSY          | 1   |     |     |     |     |     |   |   |
| 4   | 2    | 129242-77100 | ARMATURE ASSY        | 1   |     |     |     |     |     |   |   |
| 5   | 2    | 129242-77110 | YOKE ASSY            | 1   |     |     |     |     |     |   |   |
| 6   | 2    | 129242-77120 | HOLDER ASSY, BRUSH   | 1   |     |     |     |     |     |   |   |
| 7   | 3    | 129242-77130 | BRUSH                | 2   |     |     |     |     |     |   |   |
| 8   | 3    | 129242-77140 | BRUSH SET            | 1   |     |     |     |     |     |   |   |
| 9   | 3    | 129242-77150 | SPRING               | 4   |     |     |     |     |     |   |   |
| 10  | 2    | 129242-77160 | COVER ASSY           | 1   |     |     |     |     |     |   |   |
| 11  | 3    | 129242-77170 | METAL                | 1   |     |     |     |     |     |   |   |
| 12  | 2    | 118400-77170 | GEAR                 | 3   |     |     |     |     |     |   |   |
| 13  | 2    | 129242-77180 | BRACKET              | 1   |     |     |     |     |     |   |   |
| 14  | 3    | 129698-77190 | BRACKET              | 1   |     |     |     |     |     |   |   |
| 15  | 2    | 129698-77200 | GEAR, INTERNAL       | 1   |     |     |     |     |     |   |   |
| 16  | 2    | 129242-77210 | BRACKET              | 1   |     |     |     |     |     |   |   |
| 17  | 2    | 129698-77220 | PINION ASSY          | 1   |     |     |     |     |     |   |   |
| 18  | 2    | 129698-77230 | SHAFT                | 1   |     |     |     |     |     |   |   |
| 19  | 2    | 129698-77250 | WASHER SET           | 1   |     |     |     |     |     |   |   |
| 20  | 2    | 129242-77260 | CASE ASSY            | 1   |     |     |     |     |     |   |   |
| 21  | 3    | X2114535200  | METAL, STARTER       | 1   |     |     |     |     |     |   |   |
| 22  | 2    | 129242-77270 | LEVER SET            | 1   |     |     |     |     |     |   |   |
| 23  | 2    | 129242-77280 | COVER ASSY, DUST     | 1   |     |     |     |     |     |   |   |
| 24  | 2    | 124195-77770 | BOLT, THROUGH        | 2   |     |     |     |     |     |   |   |

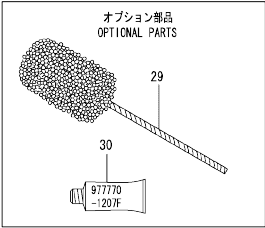
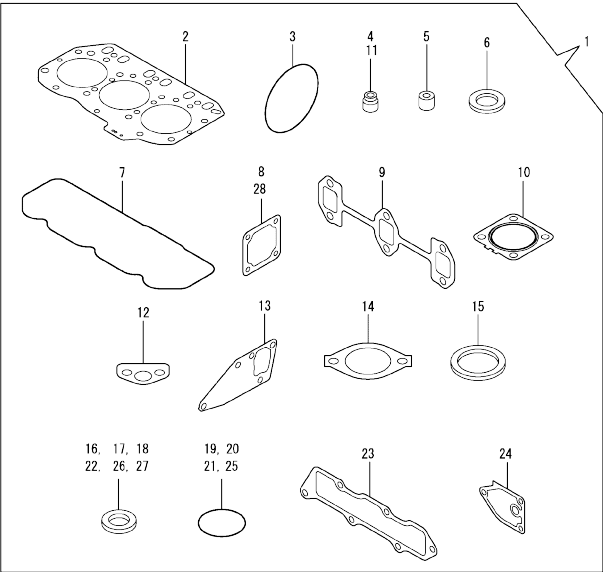
Fig.16. GENERATOR



| No. | Lev. | Parts No.    | Description         | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|---------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                     | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 129795-01900 | STUD                | 1    |     |     |     |     |     |   |   |
| 2   | 1    | 129423-77200 | GENERATOR, 12V-40A  | 1    |     |     |     |     |     |   |   |
| 3   | 2    | X9490561001  | NUT                 | 1    |     |     |     |     |     |   |   |
| 4   | 2    | 119620-77380 | ROTOR ASSY          | 1    |     |     |     |     |     |   |   |
| 5   | 3    | 123501-79240 | BEARING, BALL       | 1    |     |     |     |     |     |   |   |
| 6   | 3    | 119620-79250 | COVER               | 1    |     |     |     |     |     |   |   |
| 7   | 2    | 119620-77421 | FRAME ASSY, DRIVE   | 1    |     |     |     |     |     |   |   |
| 8   | 3    | 119620-79200 | BEARING, BALL       | 1    |     |     |     |     |     |   |   |
| 9   | 3    | 119620-79210 | PLATE, RETAINER     | 1    |     |     |     |     |     |   |   |
| 10  | 3    | 119620-79220 | SCREW               | 4    |     |     |     |     |     |   |   |
| 11  | 3    | 119620-79230 | STUD                | 2    |     |     |     |     |     |   |   |
| 12  | 2    | 119620-77440 | FRAME ASSY          | 1    |     |     |     |     |     |   |   |
| 13  | 2    | 129240-79300 | COVER               | 1    |     |     |     |     |     |   |   |
| 14  | 2    | 119620-77461 | PULLEY              | 1    |     |     |     |     |     |   |   |
| 15  | 2    | 119620-77471 | NUT                 | 1    |     |     |     |     |     |   |   |
| 16  | 2    | 119620-77490 | COLLAR              | 1    |     |     |     |     |     |   |   |
| 17  | 2    | 129423-77710 | REGULATOR ASSY      | 1    |     |     |     |     |     |   |   |
| 18  | 2    | 119620-79260 | HOLDER              | 1    |     |     |     |     |     |   |   |
| 19  | 2    | 129052-79270 | HOLDER, BRUSH       | 1    |     |     |     |     |     |   |   |
| 20  | 3    | 119620-77480 | BRUSH ASSY          | 2    |     |     |     |     |     |   |   |
| 21  | 3    | 119620-79280 | SPRING              | 2    |     |     |     |     |     |   |   |
| 22  | 2    | 119620-79290 | SCREW               | 6    |     |     |     |     |     |   |   |
| 23  | 2    | 119620-79300 | SCREW               | 1    |     |     |     |     |     |   |   |
| 24  | 2    | 119620-79310 | BOLT                | 3    |     |     |     |     |     |   |   |
| 25  | 2    | 119620-79320 | SCREW               | 2    |     |     |     |     |     |   |   |
| 26  | 2    | 119620-79330 | BOLT                | 2    |     |     |     |     |     |   |   |
| 27  | 2    | 119620-79340 | BUSH, INSULATION    | 1    |     |     |     |     |     |   |   |
| 28  | 2    | 119620-79350 | NUT                 | 2    |     |     |     |     |     |   |   |
| 29  | 2    | 119620-79360 | WASHER, THRUST      | 1    |     |     |     |     |     |   |   |
| 30  | 1    | 26306-100002 | NUT, M10            | 1    |     |     |     |     |     |   |   |
| 31  | 1    | 119940-77270 | SPACER, GENERATOR   | 1    |     |     |     |     |     |   |   |
| 32  | 1    | 119802-77330 | ADJUSTER            | 1    |     |     |     |     |     |   |   |
| 33  | 1    | 129972-77341 | BOLT, ADJUSTER L=50 | 1    |     |     |     |     |     |   |   |
| 34  | 1    | 26106-080452 | BOLT, M8X 45 PLATED | 1    |     |     |     |     |     |   |   |
| 35  | 1    | 129211-77920 | TIMER               | 1    |     |     |     |     |     |   |   |
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0CW10-M36200

Fig.17. GASKET SET



Remarks  
(1) OPTIONAL PARTS.

| No. | Lev. | Parts No.    | Description        | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|--------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                    | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 719812-92720 | GASKET SET         | 1    |     |     |     |     |     |   | 1 |
| 2   | 2    | 119812-01330 | GASKET, HEAD       | 1    |     |     |     |     |     |   |   |
| 3   | 2    | 121850-51960 | O-RING             | 1    |     |     |     |     |     |   |   |
| 4   | 2    | 119803-11340 | SEAL, VALVE STEM   | 3    |     |     |     |     |     |   |   |
| 5   | 2    | 119802-11870 | PROTECTOR, NOZZLE  | 3    |     |     |     |     |     |   |   |
| 6   | 2    | 119625-11880 | SEAT, NOZZLE       | 3    |     |     |     |     |     |   |   |
| 7   | 2    | 119802-11310 | GASKET, BONNET     | 1    |     |     |     |     |     |   |   |
| 8   | 2    | 129150-77511 | GASKET             | 1    |     |     |     |     |     |   |   |
| 9   | 2    | 119810-13110 | GASKET             | 1    |     |     |     |     |     |   |   |
| 10  | 2    | 129004-13200 | GASKET, SILENCER   | 1    |     |     |     |     |     |   |   |
| 11  | 2    | 124160-11340 | SEAL, VALVE STEM   | 3    |     |     |     |     |     |   |   |
| 12  | 2    | 129150-35042 | GASKET             | 1    |     |     |     |     |     |   |   |
| 13  | 2    | 129486-42050 | GASKET, WATER PUMP | 1    |     |     |     |     |     |   |   |
| 14  | 2    | 129795-49551 | GASKET             | 1    |     |     |     |     |     |   |   |
| 15  | 2    | 129150-49811 | GASKET, THERMOSTAT | 1    |     |     |     |     |     |   |   |
| 16  | 2    | 23414-080000 | GASKET, 8X1.0      | 1    |     |     |     |     |     |   |   |
| 17  | 2    | 22190-080002 | WASHER, SEAL 6     | 2    |     |     |     |     |     |   |   |
| 18  | 2    | 129150-49360 | GASKET             | 1    |     |     |     |     |     |   |   |
| 19  | 2    | 24311-000120 | O-RING, 1AP12.0    | 3    |     |     |     |     |     |   |   |
| 20  | 2    | 24311-000320 | O-RING, 1AP32.0    | 2    |     |     |     |     |     |   |   |
| 21  | 2    | 24341-000240 | O-RING, 1AS24.0    | 1    |     |     |     |     |     |   |   |
| 22  | 2    | 22190-100002 | WASHER, SEAL 10    | 2    |     |     |     |     |     |   |   |
| 23  | 2    | 119813-12110 | GASKET, MANIFOLD   | 1    |     |     |     |     |     |   |   |
| 24  | 2    | 129150-35111 | GASKET             | 1    |     |     |     |     |     |   |   |
| 25  | 2    | 119609-32040 | O-RING, P16        | 4    |     |     |     |     |     |   |   |
| 26  | 2    | 124465-44950 | GASKET, 16         | 1    |     |     |     |     |     |   |   |
| 27  | 2    | 22190-220002 | WASHER, SEAL 22    | 1    |     |     |     |     |     |   |   |
| 28  | 2    | 129100-77510 | GASKET             | 1    |     |     |     |     |     |   |   |
| 29  | 1    | 129400-92420 | HONE               | 1    |     |     |     |     |     |   | 1 |
| 30  | 1    | 977770-1207F | GASKET,LIQUID      | 1    |     |     |     |     |     |   | 1 |

N:Old  $\xrightarrow{\text{YES}}$  New, Q:Old  $\xrightarrow{\text{NO}}$  New, R:Old  $\xrightarrow{\text{YES}}$  New, S:Old  $\xrightarrow{\text{NO}}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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| 119620-77490 | 16       | 16       |
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| 119620-79210 | 16       | 9        |
| 119620-79220 | 16       | 10       |
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| 119802-03010 | 4        | 41       |
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| 119802-11260 | 4        | 7        |
| 119802-11270 | 4        | 8        |
| 119802-11280 | 4        | 9        |
| 119802-11310 | 4        | 48       |
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| 119802-12100 | 5        | 3        |
| 119802-13129 | 6        | 2        |
| 119802-14580 | 7        | 3        |
| 119802-21002 | 8        | 1        |
| 119802-21202 | 8        | 4        |
| 119802-21660 | 8        | 8        |
| 119802-22080 | 8        | 15       |
| 119802-22500 | 8        | 17       |
| 119802-22900 | 8        | 32       |
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| 119802-25051 | 7        | 9        |
| 119802-25071 | 7        | 13       |
| 119802-25101 | 7        | 10       |
| 119802-25901 | 7        | 16       |
| 119802-32070 | 2        | 13       |
| 119802-32100 | 2        | 12       |
| 119802-32111 | 2        | 17       |
| 119802-32120 | 2        | 18       |
| 119802-32130 | 2        | 19       |
| 119802-34802 | 9        | 1        |
| 119802-35100 | 9        | 6        |
| 119802-35110 | 9        | 7        |
| 119802-39450 | 9        | 14       |
| 119802-42001 | 10       | 1        |
| 119802-49610 | 10       | 35       |
| 119802-49620 | 10       | 40       |
| 119802-49711 | 10       | 36       |
| 119802-49721 | 10       | 41       |
| 119802-49730 | 10       | 37       |
| 119802-51090 | 11       | 10       |
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| 119802-51680 | 11       | 70       |
| 119802-51690 | 11       | 71       |
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| 119802-55730 | 14       | 14       |
| 119802-55801 | 14       | 2        |
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| 119802-59550 | 13       | 63       |
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| 119802-77330 | 16       | 32       |
| 119803-11340 | 4        | 27       |
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| 119803-53400 | 13       | 14       |
| 119807-61420 | 12       | 23       |
| 119810-01200 | 1        | 22       |
| 119810-01730 | 3        | 6        |
| 119810-01770 | 3        | 7        |
| 119810-02871 | 1        | 27       |
| 119810-02931 | 1        | 15       |
| 119810-02941 | 1        | 30       |
| 119810-11120 | 4        | 24       |
| 119810-13110 | 6        | 1        |
|              | 17       | 9        |
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| 119810-23200 | 8        | 26       |
| 119810-23601 | 8        | 27       |
| 119810-23611 | 8        | 30       |
| 119810-23910 | 8        | 29       |
| 119810-35300 | 9        | 4        |
| 119810-42051 | 10       | 3        |
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| 119810-42281 | 10       | 8        |
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| 119812-01330 | 1        | 23       |
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| 119813-12110 | 5        | 4        |
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| 119813-22300 | 8        | 21       |
| 119865-21600 | 8        | 14       |
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| 119940-77270 | 16       | 31       |
| 120270-54410 | 4        | 35       |
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| 121520-34810 | 9        | 2        |
| 121850-21680 | 8        | 10       |
| 121850-51960 | 2        | 20       |
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| 123501-79240 | 16       | 5        |
| 123900-13610 | 6        | 3        |
| 123900-13630 | 6        | 4        |
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| 124060-77680 | 13       | 70       |
| 124160-01751 | 2        | 8        |
|              | 4        | 1        |
| 124160-01910 | 1        | 11       |
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| 124160-11340 | 4        | 26       |
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| 124160-11360 | 4        | 51       |
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| 129001-32330 | 2        | 16       |
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| 129004-55612 | 14       | 1        |
| 129005-59830 | 9        | 15       |
| 129052-79270 | 16       | 19       |
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| 129150-02450 | 7        | 4        |
| 129150-03070 | 4        | 42       |
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| 129150-11280 | 4        | 10       |
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| 129150-14101 | 7        | 6        |
| 129150-14200 | 7        | 1        |
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| 129150-35042 | 9        | 3        |
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| 129150-35111 | 9        | 9        |
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| 158553-51680 | 11       | 80       |
| 158553-51770 | 11       | 107      |
| 158553-61050 | 12       | 3        |
| 158553-61070 | 12       | 4        |
| 158557-51570 | 11       | 62       |
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