

0CD10-M37503EN

# PREFACE

1. This Parts Catalog is the 4th edition of 4TNA78TL-RFA Diesel Engine for FURUKAWA KIKAI.

Pub. No. : 000Y00D3753

Published : January, 1992

2. Model name

| Engine model | Vehicle      |            | Vehicle made by |
|--------------|--------------|------------|-----------------|
|              | Products     | Model name |                 |
| 4TNA78TL-RFA | WHEEL LOADER | —          | FURUKAWA KIKAI  |

## Directions for the Parts Catalog.

1. The parts stipulated in this Parts Catalog are not necessarily standard equipped 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)                       |                     |     |     |     |     |     |     |   |   |
|--------------|------|--------------------------------------------------------|---------------------|-----|-----|-----|-----|-----|-----|---|---|
| REF.         | LEV. | PARTS NO.                                              | DESCRIPTION         | (A) | (B) | (C) | (D) | (E) | (F) | I | R |
| 1            | 1    | 729595-51390                                           | FUEL INJECTION PUMP | 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          | 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 COMPEMSATOR 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 Mark

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  | New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part. |
| Q      | Old $\xrightarrow{\text{No}}$ New<br>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 | New/ Old Parts are both interchangeable.                                                   |
| S      | Old $\xrightarrow{\text{No}}$ New<br>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 Mark

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.

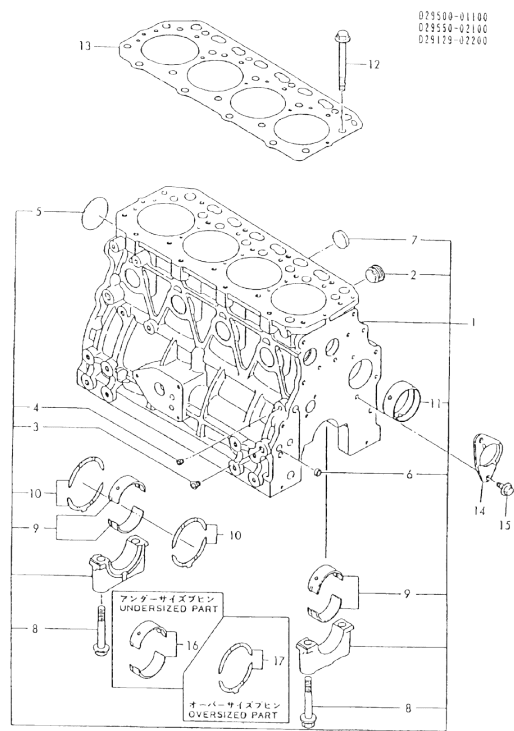
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| 3.                  | FLYWHEEL HOUSING                |
| 4.                  | LUB. OIL SUMP                   |
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| 7.                  | AIR CLEANER & SILENCER          |
| 8.                  | SUCTION & EXHAUST MANIFOLD      |
| 9.                  | CAMSHAFT & IDLE GEAR            |
| 10.                 | TURBO-CHARGER(COMPONENT PARTS)  |
| 11.                 | CRANKSHAFT & FLYWHEEL           |
| 12.                 | PISTON & CONNECTING ROD         |
| 13.                 | LUB. OIL SYSTEM                 |
| 14.                 | LUB. OIL PIPES                  |
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| 16.                 | THERMOSTAT                      |
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| 18.                 | FUEL INJECTION PUMP             |
| 19.                 | FUEL INJECTION DEVICE           |
| 20.                 | FUEL OIL SYSTEM                 |
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| Fig. No. | Fig. Name                  |
|----------|----------------------------|
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Fig.1. CYLINDER BLOCK



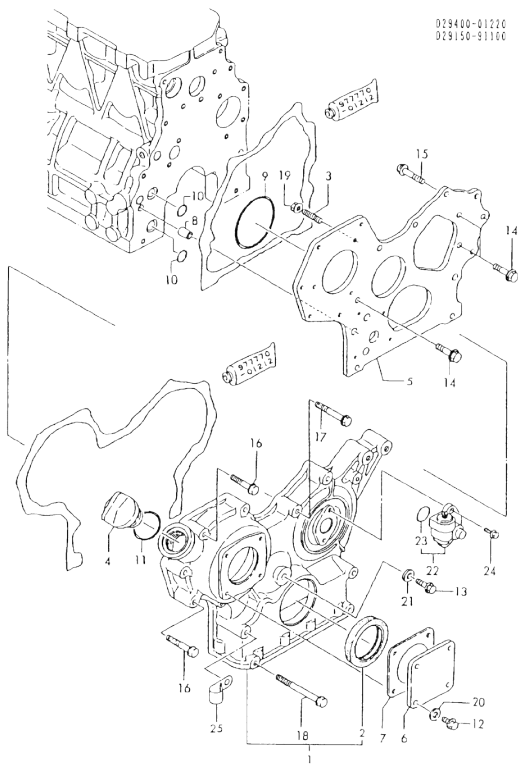
| No.      | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R  |
|----------|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|----|
|          |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |    |
| 1        | 1    | 729500-01560 | BLOCK ASSY, CYLINDER | 1    |     |     |     |     |     |   |    |
| 2        | 2    | 171051-01921 | PLUG, NPTF1          | 1    |     |     |     |     |     |   |    |
| 3        | 2    | 124160-01910 | PLUG, PT1/4          | 2    |     |     |     |     |     |   |    |
| 4        | 2    | 23871-010000 | PLUG, R01            | 1    |     |     |     |     |     |   |    |
| 5        | 2    | 27231-500000 | PLUG 50              | 1    |     |     |     |     |     |   |    |
| 6        | 2    | 27241-120000 | PLUG, 12             | 2    |     |     |     |     |     |   |    |
| 7        | 2    | 27241-300000 | PLUG 30              | 8    |     |     |     |     |     |   |    |
| 8        | 2    | 129150-02020 | BOLT, METAL CAP      | 10   |     |     |     |     |     |   |    |
| 9        | 2    | 129150-02800 | BEARING, MAIN        | 5    |     |     |     |     |     |   |    |
| 10       | 2    | 129150-02930 | BEARING, THRUST      | 2    |     |     |     |     |     |   |    |
| 11       | 2    | 129795-02411 | BUSH, CAMSHAFT       | 1    |     |     |     |     |     |   |    |
| 12       | 1    | 129150-01200 | BOLT, HEAD           | 18   |     |     |     |     |     |   |    |
| 13       | 1    | 129555-01332 | GASKET, HEAD         | 1    |     |     |     |     |     |   | \$ |
| 14       | 1    | 129150-02450 | BEARING, THRUST      | 1    |     |     |     |     |     |   | Z  |
| (A=EXXX) |      |              |                      |      |     |     |     |     |     |   |    |
| 15       | 1    | 26106-080162 | BOLT, M8X 16 PLATED  | 2    |     |     |     |     |     |   |    |
| 16       | 1    | 129150-02870 | BEARING, 0.25 US     | 5    |     |     |     |     |     |   | 1  |
| 17       | 1    | 129150-02940 | BEARING, THRUST 0.25 | 1    |     |     |     |     |     |   | 2  |

Remarks

(1) UNDER-SIZE(U.S=0.25)PART.  
(2) OVER-SIZE(O.S=0.25)PART.  
(\$) THESE PARTS ARE SOLD BY  
FIG.26,REF NO.1-2.

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Fig.2. GEAR HOUSING



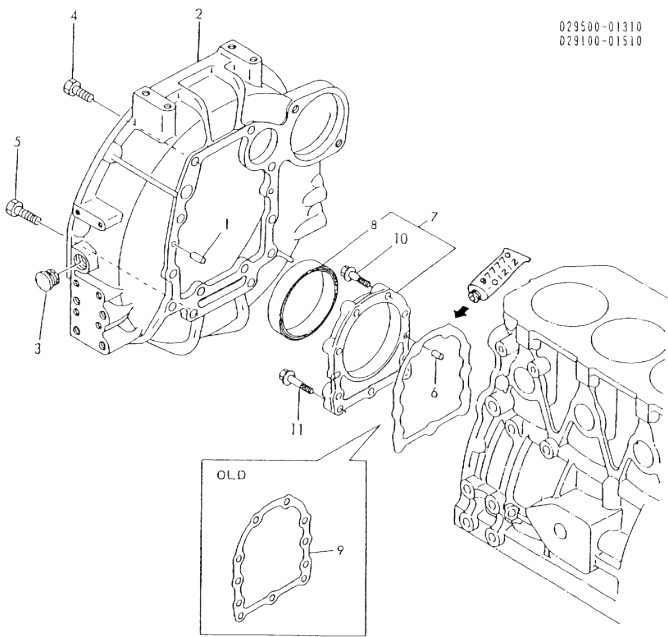
| No.         | Lev. | Parts No.    | Description         | Q'ty |     |     |     |     |     | I | R  |
|-------------|------|--------------|---------------------|------|-----|-----|-----|-----|-----|---|----|
|             |      |              |                     | (A)  | (B) | (C) | (D) | (E) | (F) |   |    |
| 1           | 1    | 719810-01500 | CASE ASSY, GEAR     | 1    |     |     |     |     |     | W |    |
| (A=1991.10) |      |              |                     |      |     |     |     |     |     |   |    |
| 2           | 2    | 129795-01800 | SEAL, OIL           | 1    |     |     |     |     |     |   |    |
| 3           | 1    | 121450-01560 | STUD, M8X22         | 3    |     |     |     |     |     |   |    |
| 4           | 1    | 124160-01751 | COVER, FILLER       | 1    |     |     |     |     |     |   |    |
| 5           | 1    | 129400-01520 | FLANGE, GEAR CASE   | 1    |     |     |     |     |     |   |    |
| 6           | 1    | 124240-01871 | COVER               | 1    |     |     |     |     |     |   |    |
| 7           | 1    | 124240-01882 | GASKET              | 1    |     |     |     |     |     |   | \$ |
| 7-1         | 1    | 124240-01883 | GASKET              | 1    |     |     |     |     |     | N | \$ |
| (A=E05034)  |      |              |                     |      |     |     |     |     |     |   |    |
| 8           | 1    | 129795-01950 | PIPE, KNOCK L=18    | 2    |     |     |     |     |     |   |    |
| 9           | 1    | 121850-51960 | O-RING              | 1    |     |     |     |     |     |   | \$ |
| 10          | 1    | 24311-000160 | O-RING, 1AP16.0     | 2    |     |     |     |     |     |   |    |
| 11          | 1    | 24311-000320 | O-RING, 1AP32.0     | 1    |     |     |     |     |     |   | \$ |
| 12          | 1    | 26106-080122 | BOLT, M8X 12 PLATED | 4    |     |     |     |     |     |   |    |
| 13          | 1    | 26106-080162 | BOLT, M8X 16 PLATED | 1    |     |     |     |     |     |   |    |
| 14          | 1    | 26106-080162 | BOLT, M8X 16 PLATED | 3    |     |     |     |     |     |   |    |
| 15          | 1    | 26106-080202 | BOLT, M8X 20 PLATED | 2    |     |     |     |     |     |   |    |
| 16          | 1    | 26106-080452 | BOLT, M8X 45 PLATED | 6    |     |     |     |     |     |   |    |
| 17          | 1    | 26106-080552 | BOLT, M8X 55 PLATED | 3    |     |     |     |     |     |   |    |
| 18          | 1    | 26106-080852 | BOLT, M8X 85 PLATED | 4    |     |     |     |     |     |   |    |
| 19          | 1    | 26366-080002 | NUT, M8             | 3    |     |     |     |     |     |   |    |
| 20          | 1    | 43400-500410 | SEAL WASHER 8       | 4    |     |     |     |     |     |   |    |
| 21          | 1    | 43400-500410 | SEAL WASHER 8       | 1    |     |     |     |     |     |   |    |
| 22          | 1    | 129150-91400 | GEAR                | 1    |     |     |     |     |     |   |    |
| 23          | 2    | 24341-000240 | O-RING, 1AS24.0     | 1    |     |     |     |     |     |   |    |
| 24          | 1    | 26106-060162 | BOLT, M6X 16 PLATED | 2    |     |     |     |     |     |   |    |
| 25          | 1    | 129150-03100 | RETAINER, PIPE      | 1    |     |     |     |     |     | W |    |
| (A=E0000)   |      |              |                     |      |     |     |     |     |     |   |    |

Remarks  
(S)THESE PARTS ARE SOLD BY  
FIG.26,REF NO.1-2.

N:Old  $\frac{100}{100}$  New, Q:Old  $\frac{100}{100}$  New, R:Old  $\frac{100}{100}$  New, S:Old  $\frac{100}{100}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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Fig.3. FLYWHEEL HOUSING

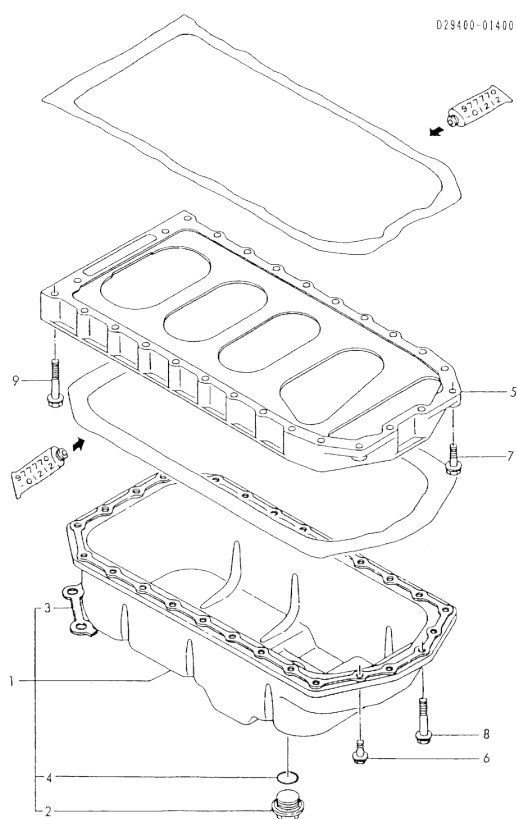


| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R  |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|----|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |    |
| 1   | 1    | 129100-01580 | PIN, M8X16           | 2    |     |     |     |     |     |   |    |
| 2   | 1    | 171440-01600 | HOUSING, FLYWHEEL    | 1    |     |     |     |     |     |   |    |
| 3   | 1    | 119620-01750 | CAP                  | 1    |     |     |     |     |     |   |    |
| 4   | 1    | 26206-100252 | BOLT, M10X 25 PLATED | 6    |     |     |     |     |     |   |    |
| 5   | 1    | 26206-100302 | BOLT, M10X 30 PLATED | 4    |     |     |     |     |     |   |    |
| 6   | 1    | 129100-01580 | PIN, M8X16           | 2    |     |     |     |     |     |   |    |
| 7   | 1    | 129100-01640 | CASE ASSY, OIL SEAL  | 1    |     |     |     |     |     | W |    |
| 8   | 2    | 129795-01780 | SEAL, OIL            | 1    |     |     |     |     |     |   |    |
| 9   | 1    | 129150-01660 | GASKET               | 1    |     |     |     |     |     | Z | \$ |
| 10  | 1    | 26106-080302 | BOLT, M8X 30 PLATED  | 6    |     |     |     |     |     |   |    |
| 11  | 1    | 26106-080352 | BOLT, M8X 35 PLATED  | 3    |     |     |     |     |     |   |    |

Remarks  
(S) THESE PARTS ARE SOLD BY  
FIG.26,REF NO.1-2.

N:Old  $\frac{100}{100}$  New, Q:Old  $\frac{100}{100}$  New, R:Old  $\frac{100}{100}$  New, S:Old  $\frac{100}{100}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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Fig.4. LUB. OIL SUMP



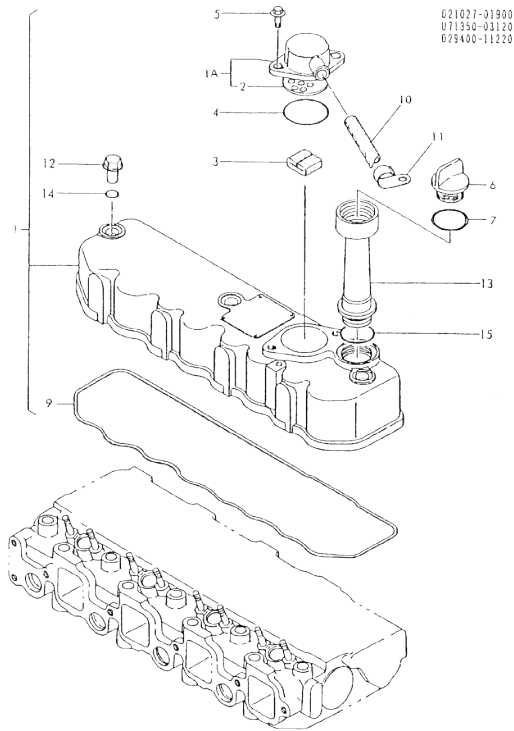
| No. | Lev. | Parts No.                  | Description         | (A)=4TNA78TL-RFA |     |     | (D)= |     |     | I | R |
|-----|------|----------------------------|---------------------|------------------|-----|-----|------|-----|-----|---|---|
|     |      |                            |                     | (A)              | (B) | (C) | (D)  | (E) | (F) |   |   |
| 1   | 1    | 729488-01540               | SUMP ASSY, OIL      | 1                |     |     |      |     |     |   |   |
| 1-1 | 1    | 729402-01540<br>(A=E05357) | SUMP ASSY, OIL      | 1                |     |     |      |     |     | N |   |
| 1-2 | 1    | 729577-01720<br>(A=1991.)  | SUMP ASSY, OIL      | 1                |     |     |      |     |     | R |   |
| 1-3 | 1    | 729402-01540               | SUMP ASSY, OIL      | 1                |     |     |      |     |     | R |   |
| 2   | 2    | 171301-01640               | PLUG, 22            | 1                |     |     |      |     |     |   |   |
| 3   | 2    | 129100-01790               | RETAINER            | 2                |     |     |      |     |     |   |   |
| 4   | 2    | 24341-000240               | O-RING, 1AS24.0     | 1                |     |     |      |     |     |   |   |
| 5   | 1    | 129400-01730               | SPACER, OIL SUMP    | 1                |     |     |      |     |     |   |   |
| 6   | 1    | 26106-080162               | BOLT, M8X 16 PLATED | 4                |     |     |      |     |     |   |   |
| 7   | 1    | 26106-080252               | BOLT, M8X 25 PLATED | 2                |     |     |      |     |     |   |   |
| 8   | 1    | 26106-080452               | BOLT, M8X 45 PLATED | 20               |     |     |      |     |     |   |   |
| 9   | 1    | 26106-080502               | BOLT, M8X 50 PLATED | 4                |     |     |      |     |     |   |   |

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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Fig.5. BONNET



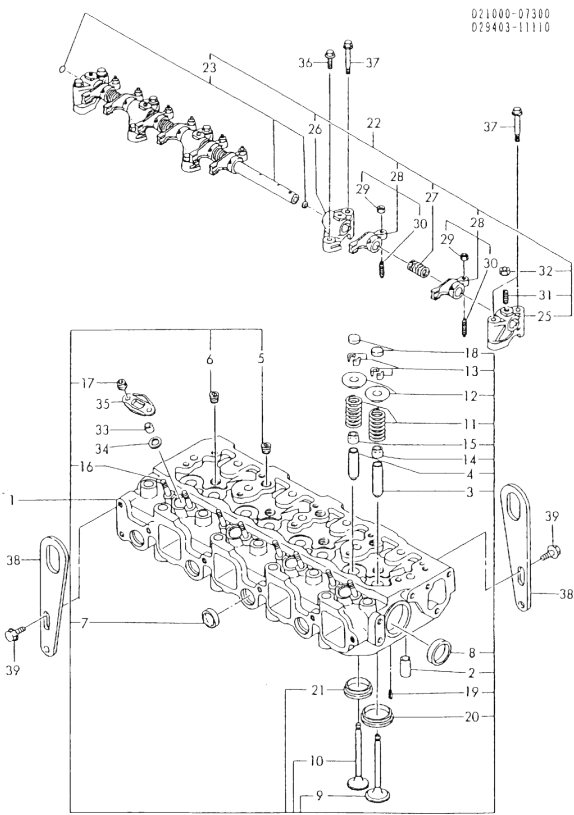
| No.        | Lev. | Parts No.    | Description         | Q'ty |     |     |     |     |     | I | R    |
|------------|------|--------------|---------------------|------|-----|-----|-----|-----|-----|---|------|
|            |      |              |                     | (A)  | (B) | (C) | (D) | (E) | (F) |   |      |
| 1          | 1    | 129400-11350 | BONNET ASSY, HEAD   | 1    |     |     |     |     |     |   | W    |
| (A=E0000)  |      |              |                     |      |     |     |     |     |     |   |      |
| 1A         | 2    | 129150-03010 | COVER ASSY          | 1    |     |     |     |     |     |   |      |
| 2          | 3    | 129150-03080 | PLATE, BAFFLE       | 1    |     |     |     |     |     |   |      |
| 3          | 2    | 129150-03070 | BAFFLE, BREATHER    | 1    |     |     |     |     |     |   |      |
| 4          | 2    | 24341-000500 | O-RING, 1AS50.0     | 1    |     |     |     |     |     |   | \$   |
| 5          | 2    | 26106-080162 | BOLT, M8X 16 PLATED | 2    |     |     |     |     |     |   |      |
| 6          | 2    | 124160-01751 | COVER, FILLER       | 1    |     |     |     |     |     |   |      |
| 7          | 2    | 121420-01760 | O-RING              | 1    |     |     |     |     |     |   |      |
| 7-1        | 2    | 24311-000320 | O-RING, 1AP32.0     | 1    |     |     |     |     |     |   | N \$ |
| (A=E03379) |      |              |                     |      |     |     |     |     |     |   |      |
| 9          | 2    | 129550-11310 | GASKET, BONNET      | 1    |     |     |     |     |     |   | \$   |
| 10         | 1    | 171350-03090 | PIPE , BREATHER 900 | 1    |     |     |     |     |     |   |      |
| 11         | 1    | 129150-03100 | RETAINER, PIPE      | 1    |     |     |     |     |     |   | Z    |
| (A=E0000)  |      |              |                     |      |     |     |     |     |     |   |      |
| 12         | 1    | 124160-11360 | KNOB                | 3    |     |     |     |     |     |   |      |
| 13         | 1    | 121027-11742 | PIPE                | 1    |     |     |     |     |     |   |      |
| 14         | 1    | 24311-000120 | O-RING, 1AP12.0     | 3    |     |     |     |     |     |   |      |
| 15         | 1    | 24321-000350 | O-RING, 1AG35.0     | 1    |     |     |     |     |     |   |      |

Remarks  
(S) THESE PARTS ARE SOLD BY  
FIG.26,REF NO.1-2.

N:Old  $\frac{YBS}{100}$  New, Q:Old  $\frac{RIS}{100}$  New, R:Old  $\frac{YBS}{100}$  New, S:Old  $\frac{RIS}{100}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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Fig.6. CYLINDER HEAD



| No.        | Lev. | Parts No.    | Description         | Q'ty |     |     |     |     |     | I | R |
|------------|------|--------------|---------------------|------|-----|-----|-----|-----|-----|---|---|
|            |      |              |                     | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1          | 1    | 729403-11700 | HEAD ASSY, CYLINDER | 1    |     |     |     |     |     |   |   |
| 2          | 2    | 129150-11050 | PIECE               | 4    |     |     |     |     |     |   |   |
| 3          | 2    | 120130-11860 | GUIDE, VALVE        | 4    |     |     |     |     |     |   | 1 |
| 4          | 2    | 129150-11810 | GUIDE, VALVE        | 4    |     |     |     |     |     |   | 1 |
| 5          | 2    | 121850-11860 | PLUG, PT1/4         | 3    |     |     |     |     |     |   |   |
| 6          | 2    | 23871-030000 | PLUG, R03           | 4    |     |     |     |     |     |   |   |
| 7          | 2    | 27241-220000 | PLUG, 22            | 4    |     |     |     |     |     |   |   |
| 8          | 2    | 27241-400000 | PLUG, 40            | 2    |     |     |     |     |     |   |   |
| 9          | 2    | 129100-11100 | VALVE, INTAKE       | 4    |     |     |     |     |     |   |   |
| 10         | 2    | 129100-11130 | VALVE, EXHAUST      | 4    |     |     |     |     |     |   |   |
| 11         | 2    | 129795-11120 | SPRING, VALVE       | 8    |     |     |     |     |     |   |   |
| 12         | 2    | 129795-11180 | RETAINER, SPRING    | 8    |     |     |     |     |     |   |   |
| 13         | 2    | 103338-11190 | COTTER              | 8    |     |     |     |     |     |   |   |
| 13-1       | 2    | 27310-080001 | COTTER, 8           | 8    |     |     |     |     |     |   | R |
| (A=E00000) |      |              |                     |      |     |     |     |     |     |   |   |
| 14         | 2    | 124460-11340 | SEAL, VALVE STEM    | 4    |     |     |     |     |     |   |   |
| 15         | 2    | 121400-11340 | SEAL, VALVE STEM    | 4    |     |     |     |     |     |   |   |
| 16         | 2    | 26216-060202 | STUD, M6X 20        | 8    |     |     |     |     |     |   |   |
| 17         | 2    | 26366-060002 | NUT, M6             | 8    |     |     |     |     |     |   |   |
| 18         | 2    | 129150-11370 | CAP, VALVE          | 8    |     |     |     |     |     |   |   |
| 19         | 2    | 22351-060012 | PIN, SPRING 6.0X12  | 2    |     |     |     |     |     |   |   |
| 20         | 2    | 129470-11080 | SEAT, INTAKE VALVE  | 4    |     |     |     |     |     |   |   |
| 21         | 2    | 129470-11090 | SEAT, EXHAUST VALVE | 4    |     |     |     |     |     |   |   |
| 22         | 1    | 129555-11241 | SHAFT ASSY, ROCKER  | 1    |     |     |     |     |     |   |   |
| 23         | 2    | 129550-11290 | SHAFT, ROCKER ARM   | 1    |     |     |     |     |     |   |   |
| 25         | 2    | 129155-11260 | SUPPORT, ROCKER ARM | 2    |     |     |     |     |     |   |   |
| 26         | 2    | 129155-11270 | SUPPORT, ROCKER ARM | 3    |     |     |     |     |     |   |   |
| 27         | 2    | 129150-11280 | SPRING              | 4    |     |     |     |     |     |   |   |
| 28         | 2    | 729150-11650 | ARM ASSY, ROCKER    | 8    |     |     |     |     |     |   |   |
| 28-1       | 2    | 729402-11650 | ARM ASSY, ROCKER    | 8    |     |     |     |     |     |   | N |
| (A=E05357) |      |              |                     |      |     |     |     |     |     |   |   |
| 29         | 3    | 129150-11750 | NUT, M8             | 8    |     |     |     |     |     |   |   |
| 30         | 3    | 129150-11230 | SCREW, VALVE ADJUST | 8    |     |     |     |     |     |   |   |
| 31         | 2    | 26226-080182 | STUD, M8X 18        | 3    |     |     |     |     |     |   |   |
| 32         | 2    | 26756-080002 | NUT, LOCK M8        | 3    |     |     |     |     |     |   |   |
| 33         | 1    | 119625-11870 | PROTECTOR, NOZZLE   | 4    |     |     |     |     |     |   |   |
| 34         | 1    | 119625-11880 | SEAT, NOZZLE        | 4    |     |     |     |     |     |   |   |
| 35         | 1    | 119625-11900 | RETAINER, NOZZLE    | 4    |     |     |     |     |     |   |   |
| 36         | 1    | 26106-080252 | BOLT, M8X 25 PLATED | 3    |     |     |     |     |     |   |   |
| 37         | 1    | 26106-080502 | BOLT, M8X 50 PLATED | 7    |     |     |     |     |     |   |   |
| 38         | 1    | 124736-07900 | LIFTER              | 2    |     |     |     |     |     |   |   |
| 39         | 1    | 26106-080142 | BOLT, M8X 14 PLATED | 4    |     |     |     |     |     |   |   |

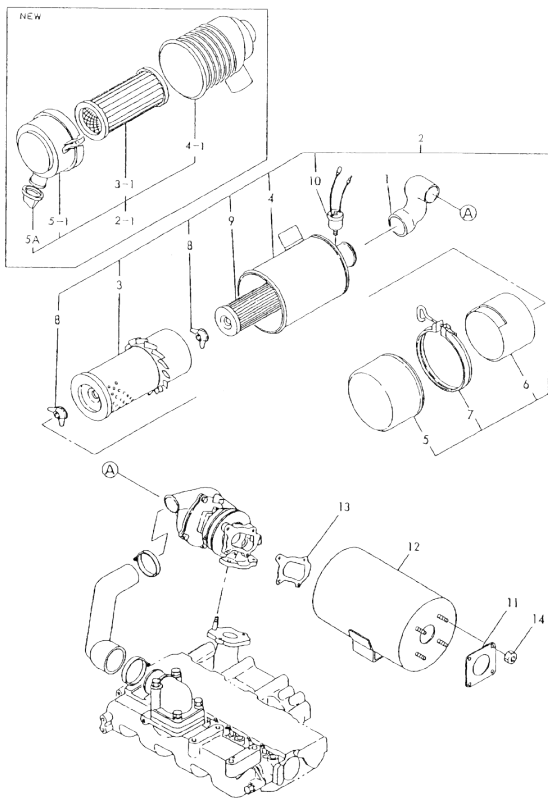
Remarks

(1) REPAIR PART.

N:Old  $\frac{100}{100}$  New, Q:Old  $\frac{100}{100}$  New, R:Old  $\frac{100}{100}$  New, S:Old  $\frac{100}{100}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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OCD10-M37503

Fig.7. AIR CLEANER & SILENCER



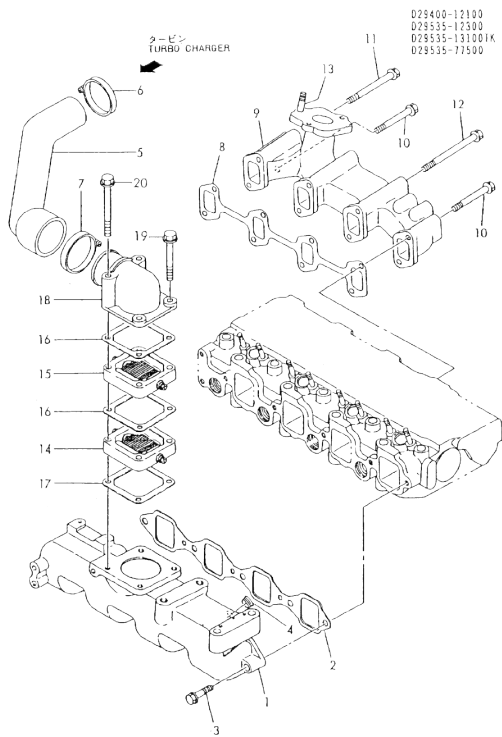
| No.          | Lev. | Parts No.    | Description       | Q'ty |     |     |     |     |     | I | R  |
|--------------|------|--------------|-------------------|------|-----|-----|-----|-----|-----|---|----|
|              |      |              |                   | (A)  | (B) | (C) | (D) | (E) | (F) |   |    |
| 1            | 1    | 121505-12210 | HOSE, AIR CLEANER | 1    |     |     |     |     |     |   |    |
| 2            | 1    | 129535-12500 | CLEANER ASSY, AIR | 1    |     |     |     |     |     |   |    |
| 2-1          | 1    | 129135-12501 | CLEANER ASSY, AIR | 1    |     |     |     |     |     | N |    |
| (A=*1991.09) |      |              |                   |      |     |     |     |     |     |   |    |
| 3            | 2    | 121420-12511 | ELEMENT           | 1    |     |     |     |     |     |   |    |
| 3-1          | 2    | 119808-12520 | ELEMENT           | 1    |     |     |     |     |     | S |    |
| (A=*1991.09) |      |              |                   |      |     |     |     |     |     |   |    |
| 4            | 2    | 171061-12520 | BODY, CLEANER     | 1    |     |     |     |     |     |   |    |
| 4-1          | 2    | 119808-12510 | BODY, AIR CLEANER | 1    |     |     |     |     |     | S |    |
| (A=*1991.09) |      |              |                   |      |     |     |     |     |     |   |    |
| 5            | 2    | 121420-12530 | CAP, AIR CLEANER  | 1    |     |     |     |     |     |   |    |
| 5-1          | 2    | 119808-12530 | COVER             | 1    |     |     |     |     |     | S |    |
| (A=*1991.09) |      |              |                   |      |     |     |     |     |     |   |    |
| 5A           | 2    | 119808-12540 | VALVE, UNLOADER   | 1    |     |     |     |     |     | W |    |
| (A=*1991.09) |      |              |                   |      |     |     |     |     |     |   |    |
| 6            | 2    | 121420-12540 | SCARF, BAFFLE     | 1    |     |     |     |     |     | Z |    |
| (A=*1991.09) |      |              |                   |      |     |     |     |     |     |   |    |
| 7            | 2    | 121420-12550 | CLAMP ASSY        | 1    |     |     |     |     |     | Z |    |
| (A=*1991.09) |      |              |                   |      |     |     |     |     |     |   |    |
| 8            | 2    | 121420-12561 | NUT, WING         | 2    |     |     |     |     |     | Z |    |
| (A=*1991.09) |      |              |                   |      |     |     |     |     |     |   |    |
| 9            | 2    | 121422-12570 | ELEMENT           | 1    |     |     |     |     |     | Z |    |
| (A=*1991.09) |      |              |                   |      |     |     |     |     |     |   |    |
| 10           | 2    | 129535-12800 | INDICATOR         | 1    |     |     |     |     |     | Z |    |
| (A=*1991.09) |      |              |                   |      |     |     |     |     |     |   |    |
| 11           | 1    | 129400-13200 | GASKET, SILENCER  | 1    |     |     |     |     |     |   | \$ |
| 11-1         | 1    | 129400-13201 | GASKET, SILENCER  | 1    |     |     |     |     |     | N | \$ |
| (A=E05400)   |      |              |                   |      |     |     |     |     |     |   |    |
| 12           | 1    | 129535-13500 | SILENCER          | 1    |     |     |     |     |     |   |    |
| 13           | 1    | 129403-18090 | GASKET            | 1    |     |     |     |     |     |   | \$ |
| 14           | 1    | 194990-22050 | NUT, M8           | 4    |     |     |     |     |     |   |    |

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N:Old  $\frac{YES}{NO}$  New, Q:Old  $\frac{NO}{YES}$  New, R:Old  $\frac{YES}{YES}$  New, S:Old  $\frac{NO}{NO}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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Fig.8. SUCTION & EXHAUST MANIFOLD



| No.        | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R  |
|------------|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|----|
|            |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |    |
| 1          | 1    | 129400-12100 | MANIFOLD, AIR INTAKE | 1    |     |     |     |     |     |   |    |
| 2          | 1    | 129550-12110 | GASKET, MANIFOLD     | 1    |     |     |     |     |     |   | \$ |
| 2-1        | 1    | 129550-12111 | GASKET, MANIFOLD     | 1    |     |     |     |     |     | N | \$ |
| (A=E05400) |      |              |                      |      |     |     |     |     |     |   |    |
| 3          | 1    | 26106-080352 | BOLT, M8X 35 PLATED  | 5    |     |     |     |     |     |   |    |
| 4          | 1    | 23871-030000 | PLUG, R03            | 1    |     |     |     |     |     |   |    |
| 5          | 1    | 129535-12080 | PIPE, AIR INTAKE     | 1    |     |     |     |     |     |   |    |
| 6          | 1    | 23000-054000 | CLAMP, 54            | 1    |     |     |     |     |     |   |    |
| 7          | 1    | 23000-060000 | CLAMP, 60            | 1    |     |     |     |     |     |   |    |
| 8          | 1    | 129550-13110 | GASKET               | 1    |     |     |     |     |     |   | \$ |
| 9          | 1    | 129403-13130 | MANIFOLD, EXHAUST    | 1    |     |     |     |     |     |   |    |
| 10         | 1    | 26106-080652 | BOLT, M8X 65 PLATED  | 3    |     |     |     |     |     |   |    |
| 11         | 1    | 26106-080852 | BOLT, M8X 85 PLATED  | 1    |     |     |     |     |     |   |    |
| 12         | 1    | 26106-081002 | BOLT, M8X100 PLATED  | 4    |     |     |     |     |     |   |    |
| 13         | 1    | 26216-080222 | STUD, M8X 22         | 3    |     |     |     |     |     |   |    |
| 13-1       | 1    | 123678-18320 | STUD                 | 3    |     |     |     |     |     | N |    |
| (A=E06177) |      |              |                      |      |     |     |     |     |     |   |    |
| 14         | 1    | 129100-77500 | HEATER, AIR 12V      | 1    |     |     |     |     |     |   |    |
| 15         | 1    | 129400-77500 | HEATER               | 1    |     |     |     |     |     |   |    |
| 15-1       | 1    | 129400-77501 | HEATER               | 1    |     |     |     |     |     | N |    |
| (A=E02919) |      |              |                      |      |     |     |     |     |     |   |    |
| 16         | 1    | 129100-77510 | GASKET, AIR HEATER   | 2    |     |     |     |     |     |   | \$ |
| 17         | 1    | 129150-77510 | GASKET               | 1    |     |     |     |     |     |   | \$ |
| 17-1       | 1    | 129150-77511 | GASKET               | 1    |     |     |     |     |     | N | \$ |
| (A=E05400) |      |              |                      |      |     |     |     |     |     |   |    |
| 18         | 1    | 171340-77520 | BEND                 | 1    |     |     |     |     |     |   |    |
| 19         | 1    | 26106-080552 | BOLT, M8X 55 PLATED  | 2    |     |     |     |     |     |   |    |
| 20         | 1    | 26106-080952 | BOLT, M8X 95 PLATED  | 2    |     |     |     |     |     |   |    |

Remarks  
(\$) THESE PARTS ARE SOLD BY  
FIG.26,REF.NO.1-2.

N:Old  $\frac{YBS}{100}$  New, Q:Old  $\frac{RIS}{100}$  New, R:Old  $\frac{YBS}{100}$  New, S:Old  $\frac{RIS}{100}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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Fig.9. CAMSHAFT & IDLE GEAR



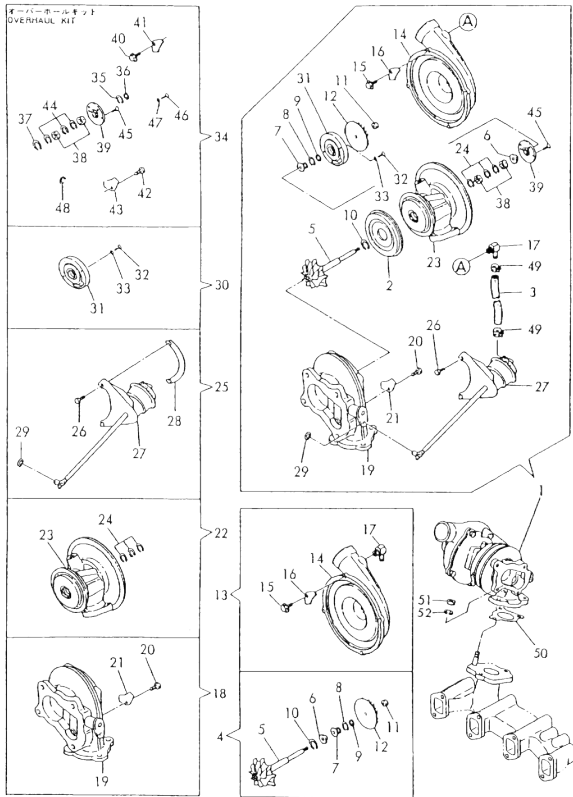
N:Old  $\xrightarrow{\text{Yes}} \text{New}$ , Q:Old  $\xrightarrow{\text{No}} \text{New}$ , R:Old  $\xrightarrow{\text{Yes}} \text{New}$ , S:Old  $\xrightarrow{\text{No}} \text{New}$ , W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.10. TURBO-CHARGER(COMPONENT PARTS)

029535-18100



Remarks  
(S) THESE PARTS ARE SOLD BY  
FIG.26,REF.NO.1-2.

| No.  | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R    |
|------|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|------|
|      |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |      |
| 1    | 1    | 129403-18050 | TURBINE, RHB31       | 1    |     |     |     |     |     |   |      |
| 2    | 2    | 129403-18720 | PROTECTOR, HEAT      | 1    |     |     |     |     |     |   |      |
| 3    | 2    | 129403-18750 | HOSE                 | 1    |     |     |     |     |     |   |      |
| 4    | 2    | 129403-18770 | ROTOR ASSY, TURBO    | 1    |     |     |     |     |     |   |      |
| 5    | 3    | 129403-18500 | SHAFT                | 1    |     |     |     |     |     |   |      |
| 6    | 3    | 129403-18510 | THRUST BUSH          | 1    |     |     |     |     |     |   |      |
| 7    | 3    | 129403-18520 | OIL DRIP             | 1    |     |     |     |     |     |   |      |
| 8    | 3    | 129403-18530 | SEAL RING,BLOW SIDE  | 1    |     |     |     |     |     |   |      |
| 9    | 3    | 129403-18540 | SEAL RING,BLOW SIDE  | 1    |     |     |     |     |     |   |      |
| 10   | 3    | 129403-18550 | SEAL RING,           | 1    |     |     |     |     |     |   |      |
| 11   | 3    | 129403-18560 | NUT                  | 1    |     |     |     |     |     |   |      |
| 12   | 3    | 129403-18570 | WHEEL                | 1    |     |     |     |     |     |   |      |
| 13   | 2    | 129403-18780 | HOUSING ASSY, BLOWER | 1    |     |     |     |     |     |   |      |
| 14   | 3    | 129403-18610 | HOUSING,BLOWER       | 1    |     |     |     |     |     |   |      |
| 15   | 3    | 129403-18620 | BOLT M 5X 10.5       | 4    |     |     |     |     |     |   |      |
| 16   | 3    | 129403-18630 | SEAL RING,BLOW.SIDE  | 2    |     |     |     |     |     |   |      |
| 17   | 3    | 129403-18730 | NUT                  | 1    |     |     |     |     |     |   |      |
| 18   | 2    | 129403-18790 | HOUSING ASSY, TURBO  | 1    |     |     |     |     |     |   |      |
| 19   | 3    | 129403-18640 | TURBINE HOUSING      | 1    |     |     |     |     |     |   |      |
| 20   | 3    | 129403-18650 | BOLT M 6X11          | 4    |     |     |     |     |     |   |      |
| 21   | 3    | 129403-18660 | RETAINER             | 4    |     |     |     |     |     |   |      |
| 22   | 2    | 129403-18800 | HOUSING ASSY,BEARING | 1    |     |     |     |     |     |   |      |
| 23   | 3    | 129403-18670 | HOUSING,BEARING      | 1    |     |     |     |     |     |   |      |
| 24   | 3    | 129403-18680 | CIRCLIP              | 3    |     |     |     |     |     |   |      |
| 25   | 2    | 129403-18810 | CONTROL ASSY         | 1    |     |     |     |     |     |   |      |
| 26   | 3    | 129403-18620 | BOLT M 5X 10.5       | 4    |     |     |     |     |     |   |      |
| 27   | 3    | 129403-18740 | ACTUATOR             | 1    |     |     |     |     |     |   |      |
| 28   | 3    | 129403-18760 | SPACER               | 3    |     |     |     |     |     |   |      |
| 29   | 3    | 22273-000040 | RING, E- 4           | 1    |     |     |     |     |     |   |      |
| 30   | 2    | 129403-18820 | SEAL PLATE ASSY      | 1    |     |     |     |     |     |   |      |
| 31   | 3    | 129403-18580 | SEAL PLATE           | 1    |     |     |     |     |     |   |      |
| 32   | 3    | 129403-18700 | SCREW M 3X12.5       | 2    |     |     |     |     |     |   |      |
| 33   | 3    | 129403-18710 | LOCK WASHER 3        | 2    |     |     |     |     |     |   |      |
| 34   | 2    | 129403-18830 | OVERHAUL KIT         | 1    |     |     |     |     |     |   |      |
| 35   | 3    | 129403-18530 | SEAL RING,BLOW SIDE  | 1    |     |     |     |     |     |   |      |
| 36   | 3    | 129403-18540 | SEAL RING,BLOW SIDE  | 1    |     |     |     |     |     |   |      |
| 37   | 3    | 129403-18550 | SEAL RING,           | 1    |     |     |     |     |     |   |      |
| 38   | 3    | 129403-18590 | FLOATING BEARING     | 2    |     |     |     |     |     |   |      |
| 39   | 3    | 129403-18600 | THRUST METAL         | 1    |     |     |     |     |     |   |      |
| 40   | 3    | 129403-18620 | BOLT M 5X 10.5       | 4    |     |     |     |     |     |   |      |
| 41   | 3    | 129403-18630 | SEAL RING,BLOW.SIDE  | 2    |     |     |     |     |     |   |      |
| 42   | 3    | 129403-18650 | BOLT M 6X11          | 4    |     |     |     |     |     |   |      |
| 43   | 3    | 129403-18660 | RETAINER             | 4    |     |     |     |     |     |   |      |
| 44   | 3    | 129403-18680 | CIRCLIP              | 3    |     |     |     |     |     |   |      |
| 45   | 3    | 129403-18690 | SCREW M 3X6.8        | 2    |     |     |     |     |     |   |      |
| 46   | 3    | 129403-18700 | SCREW M 3X12.5       | 2    |     |     |     |     |     |   |      |
| 47   | 3    | 129403-18710 | LOCK WASHER 3        | 2    |     |     |     |     |     |   |      |
| 48   | 3    | 22273-000040 | RING, E- 4           | 1    |     |     |     |     |     |   |      |
| 49   | 2    | 23080-012000 | CLAMP, 12            | 2    |     |     |     |     |     |   |      |
| 50   | 1    | 129477-18100 | GASKET               | 1    |     |     |     |     |     |   | \$   |
| 50-1 | 1    | 129535-18100 | GASKET               | 1    |     |     |     |     |     |   | N \$ |

N:Old, New, Q:Old, New, R:Old, New, S:Old, New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
++ CONTINUE ++

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Exploded view diagram of a vertical shaft assembly, showing various components and sub-assemblies labeled with numbers and letters:

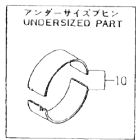
- VERTICAL KIT** (Top Left): Includes parts 37, 44, 38, 35, 36, 40, 41, 45, 47, 48, 43, 42.
- Sub-assembly 30**: Includes parts 31, 32, 33.
- Sub-assembly 25**: Includes parts 29, 26, 27, 28.
- Sub-assembly 22**: Includes parts 23, 24.
- Sub-assembly 18**: Includes parts 19, 20, 21.
- Main Assembly (Right)**: Includes parts 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 23, 24, 26, 27, 29, 31, 32, 33, 38, 39, 45, 49, 50, 51, 52.

Remarks  
(\$ ) THESE PARTS ARE SOLD BY  
FIG.26.REF.NO.1-2.

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

[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

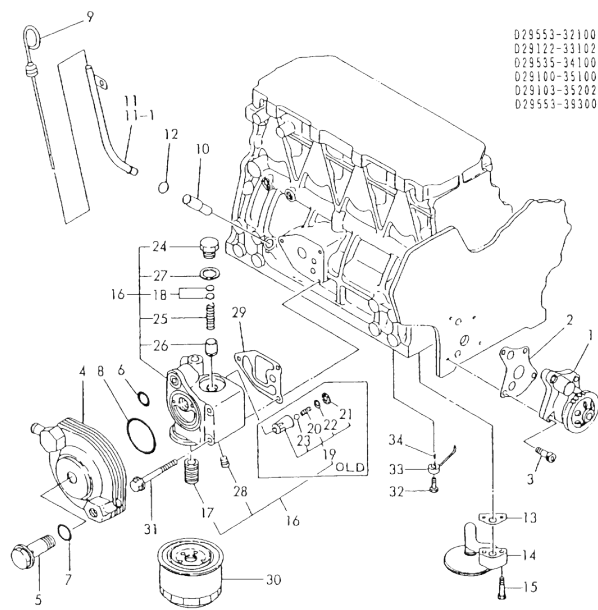


(1) OVER-SIZE(O.S=0.25)PART.  
(2) UNDER-SIZE(U.S=0.25)PART.  
(3) REPAIR PART.

[illegible]

OCD10-M37503

Fig.13. LUB. OIL SYSTEM



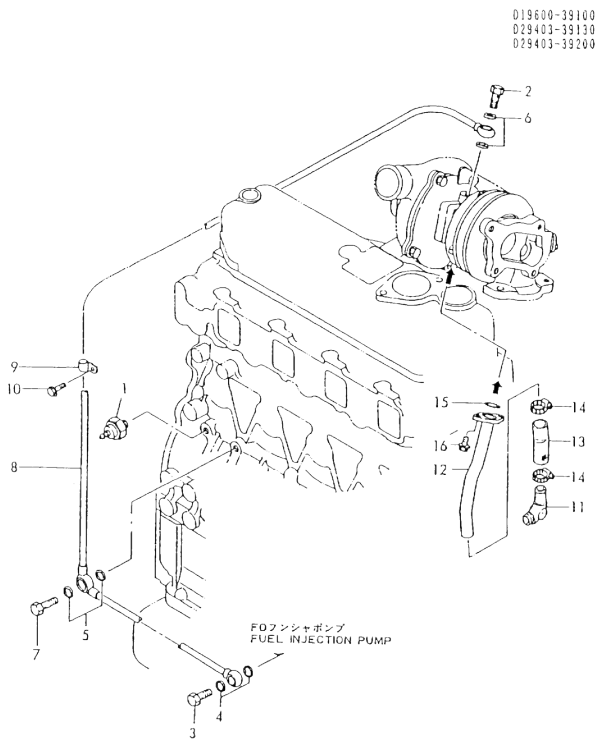
Remarks  
(S) THESE PARTS ARE SOLD BY  
FIG.26,REF.NO.1-2.

| No.        | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R  |
|------------|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|----|
|            |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |    |
| 1          | 1    | 129553-32000 | PUMP ASSY, OIL       | 1    |     |     |     |     |     |   |    |
| 2          | 1    | 129150-32020 | GASKET, PUMP         | 1    |     |     |     |     |     |   |    |
| 3          | 1    | 26450-060252 | BOLT, M6X 25         | 4    |     |     |     |     |     |   |    |
| 4          | 1    | 129103-33031 | COOLER, OIL          | 1    |     |     |     |     |     |   |    |
| 5          | 1    | 129103-33132 | BOLT                 | 1    |     |     |     |     |     |   |    |
| 6          | 1    | 24311-000200 | O-RING, 1AP20.0      | 1    |     |     |     |     |     |   | \$ |
| 7          | 1    | 24311-000210 | O-RING, 1AP21.0      | 1    |     |     |     |     |     |   | \$ |
| 8          | 1    | 24321-000550 | O-RING, 1AG55.0      | 1    |     |     |     |     |     |   | \$ |
| 9          | 1    | 129535-34800 | DIPSTICK, OIL        | 1    |     |     |     |     |     |   |    |
| 10         | 1    | 119260-34810 | GUIDE, DIPSTICK      | 1    |     |     |     |     |     |   |    |
| 11         | 1    | 129535-34810 | GUIDE, DIPSTICK A    | 1    |     |     |     |     |     |   |    |
| 11-1       | 1    | 129535-34811 | GUIDE, DIPSTICK A    | 1    |     |     |     |     |     | S |    |
| (A=E03043) |      |              |                      |      |     |     |     |     |     |   |    |
| 12         | 1    | 24311-240100 | O-RING, 1AP10A       | 1    |     |     |     |     |     |   |    |
| 13         | 1    | 129150-35040 | GASKET               | 1    |     |     |     |     |     |   |    |
| 13-1       | 1    | 129150-35041 | GASKET               | 1    |     |     |     |     |     | N |    |
| (A=E05400) |      |              |                      |      |     |     |     |     |     |   |    |
| 14         | 1    | 129150-35091 | PIPE ASSY, OIL INLET | 1    |     |     |     |     |     |   |    |
| 15         | 1    | 26106-080352 | BOLT, M8X 35 PLATED  | 2    |     |     |     |     |     |   |    |
| 16         | 1    | 129103-35101 | BRACKET ASSY, FILTER | 1    |     |     |     |     |     |   |    |
| 17         | 2    | 129100-35140 | STUD                 | 1    |     |     |     |     |     |   |    |
| 18         | 2    | 121850-35200 | SHIM SET             | 1    |     |     |     |     |     |   | Z  |
| 19         | 2    | 129553-35500 | VALVE ASSY, BYPASS   | 1    |     |     |     |     |     |   |    |
| (A=E04228) |      |              |                      |      |     |     |     |     |     |   |    |
| 20         | 3    | 129553-35520 | SPRING               | 1    |     |     |     |     |     |   | Z  |
| (A=E04228) |      |              |                      |      |     |     |     |     |     |   |    |
| 21         | 3    | 129553-35530 | RETAINER, SPRING     | 1    |     |     |     |     |     |   | Z  |
| (A=E04228) |      |              |                      |      |     |     |     |     |     |   |    |
| 22         | 3    | 129553-35540 | SHIM                 | 1    |     |     |     |     |     |   | Z  |
| (A=E04228) |      |              |                      |      |     |     |     |     |     |   |    |
| 23         | 3    | 24190-130001 | BALL, STEEL 13/32    | 1    |     |     |     |     |     |   | Z  |
| (A=E04228) |      |              |                      |      |     |     |     |     |     |   |    |
| 24         | 2    | 124223-35510 | RETAINER, SPRING     | 1    |     |     |     |     |     |   |    |
| 25         | 2    | 121850-35520 | SPRING               | 1    |     |     |     |     |     |   |    |
| 26         | 2    | 121850-35531 | VALVE, CONTROL       | 1    |     |     |     |     |     |   |    |
| 27         | 2    | 23414-180000 | GASKET, 18X1.0       | 1    |     |     |     |     |     |   |    |
| 28         | 2    | 23871-020000 | PLUG, R02            | 1    |     |     |     |     |     |   |    |
| 29         | 1    | 129103-35121 | GASKET               | 1    |     |     |     |     |     |   | \$ |
| 29-1       | 1    | 129103-35122 | GASKET               | 1    |     |     |     |     |     | N | \$ |
| (A=E05400) |      |              |                      |      |     |     |     |     |     |   |    |
| 30         | 1    | 129150-35150 | FILTER 90X80L        | 1    |     |     |     |     |     |   |    |
| 31         | 1    | 26106-080752 | BOLT, M8X 75 PLATED  | 3    |     |     |     |     |     |   |    |
| 32         | 1    | 129792-39410 | VALVE ASSY, CHECK    | 4    |     |     |     |     |     |   |    |
| 33         | 1    | 129553-39650 | NOZZLE               | 4    |     |     |     |     |     |   |    |
| 34         | 1    | 22351-030010 | PIN, SPRING 3.0X10   | 4    |     |     |     |     |     |   |    |

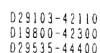
N:Old  $\frac{YHS}{100}$  New, Q:Old  $\frac{HS}{100}$  New, R:Old  $\frac{YHS}{100}$  New, S:Old  $\frac{HS}{100}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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OCD10-M37503

Fig.14. LUB. OIL PIPES



| No.        | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|------------|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|            |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1          | 1    | 124160-39450 | SWITCH, 0.5KG        | 1    |     |     |     |     |     |   |   |
| 2          | 1    | 105010-39140 | BOLT, PIPE JOINT     | 1    |     |     |     |     |     |   |   |
| 3          | 1    | 124550-59820 | BOLT, PIPE JOINT M8  | 1    |     |     |     |     |     |   |   |
| 4          | 1    | 43400-500410 | SEAL WASHER 8        | 2    |     |     |     |     |     |   |   |
| 5          | 1    | 23414-100000 | GASKET, 10X1.0       | 2    |     |     |     |     |     |   |   |
| 6          | 1    | 23414-080000 | GASKET, 8X1.0        | 2    |     |     |     |     |     |   |   |
| 7          | 1    | 124160-39140 | BOLT, PIPE JOINT M10 | 1    |     |     |     |     |     |   |   |
| 8          | 1    | 129403-39450 | PIPE ASSY, OIL       | 1    |     |     |     |     |     |   |   |
| 9          | 1    | 23297-080081 | CLAMP, A8X 8         | 1    |     |     |     |     |     |   |   |
| 9-1        | 1    | 124223-39900 | RETAINER             | 1    |     |     |     |     |     | N |   |
| (A=E04979) |      |              |                      |      |     |     |     |     |     |   |   |
| 10         | 1    | 26106-080102 | BOLT, M8X 10 PLATED  | 1    |     |     |     |     |     |   |   |
| 11         | 1    | 128270-13620 | JOINT, PIPE PT3/8    | 1    |     |     |     |     |     |   |   |
| 12         | 1    | 129403-39600 | PIPE, OIL            | 1    |     |     |     |     |     |   |   |
| 13         | 1    | 129403-39610 | JOINT, RUBBER        | 1    |     |     |     |     |     |   |   |
| 14         | 1    | 23000-022000 | CLAMP, 22            | 2    |     |     |     |     |     |   |   |
| 15         | 1    | 24314-000160 | O-RING, 4CP16.0      | 1    |     |     |     |     |     |   |   |
| 16         | 1    | 26106-060162 | BOLT, M6X 16 PLATED  | 2    |     |     |     |     |     |   |   |

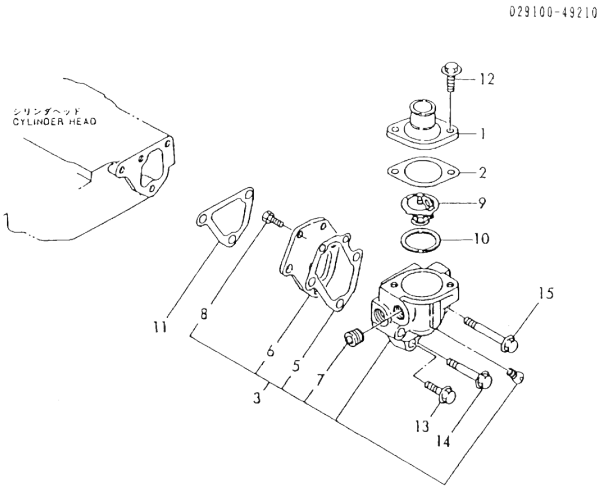


N:Old  $\xrightarrow{\text{Yes}} \text{New}$ , Q:Old  $\xrightarrow{\text{No}} \text{New}$ , R:Old  $\xrightarrow{\text{Yes}} \text{New}$ , S:Old  $\xrightarrow{\text{No}} \text{New}$ , W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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OCD10-M37503

Fig.16. THERMOSTAT



| No.        | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R  |
|------------|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|----|
|            |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |    |
| 1          | 1    | 129350-49530 | COVER, THERMOSTAT    | 1    |     |     |     |     |     |   |    |
| 2          | 1    | 129795-49550 | GASKET               | 1    |     |     |     |     |     |   | \$ |
| 2-1        | 1    | 129795-49551 | GASKET               | 1    |     |     |     |     |     | N | \$ |
| (A=E05400) |      |              |                      |      |     |     |     |     |     |   |    |
| 3          | 1    | 129100-49800 | CASE ASSY,THERMOSTAT | 1    |     |     |     |     |     |   |    |
| 5          | 2    | 129100-49820 | GASKET               | 1    |     |     |     |     |     |   |    |
| 6          | 2    | 129100-49830 | COVER, THERMOSTAT    | 1    |     |     |     |     |     |   |    |
| 7          | 2    | 23871-030000 | PLUG, R03            | 1    |     |     |     |     |     |   |    |
| 8          | 2    | 26116-060162 | BOLT, M6X 16 PLATED  | 2    |     |     |     |     |     |   |    |
| 9          | 1    | 129155-49800 | THERMOSTAT, 71       | 1    |     |     |     |     |     |   |    |
| 10         | 1    | 129150-49810 | GASKET, THERMOSTAT   | 1    |     |     |     |     |     |   | \$ |
| 10-1       | 1    | 129150-49811 | GASKET, THERMOSTAT   | 1    |     |     |     |     |     | N | \$ |
| (A=E05400) |      |              |                      |      |     |     |     |     |     |   |    |
| 11         | 1    | 129100-49840 | GASKET               | 1    |     |     |     |     |     |   | \$ |
| 12         | 1    | 26106-080202 | BOLT, M8X 20 PLATED  | 2    |     |     |     |     |     |   |    |
| 13         | 1    | 26106-080252 | BOLT, M8X 25 PLATED  | 1    |     |     |     |     |     |   |    |
| 14         | 1    | 26106-080502 | BOLT, M8X 50 PLATED  | 1    |     |     |     |     |     |   |    |
| 15         | 1    | 26106-080602 | BOLT, M8X 60 PLATED  | 1    |     |     |     |     |     |   |    |

Remarks  
(\$) THESE PARTS ARE SOLD BY  
FIG.26,REF.NO.1-2.

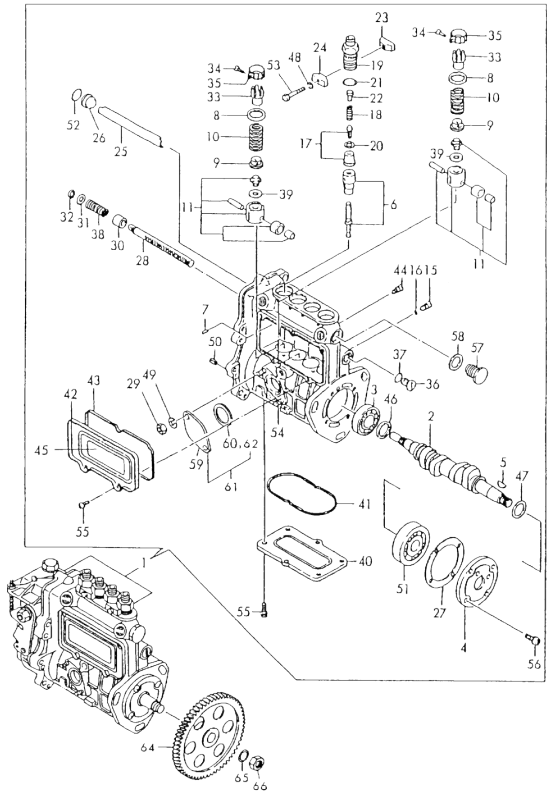
N:Old  $\frac{YBS}{100}$  New, Q:Old  $\frac{RIS}{100}$  New, R:Old  $\frac{YBS}{100}$  New, S:Old  $\frac{RIS}{100}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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[illegible]

OCD10-M37503

Fig.18. FUEL INJECTION PUMP

029150-25200  
729535-51350



Remarks  
(1) GOVERNOR ASSY(FIG.22) IS  
INCORPORATED IN THIS FUEL  
INJECTION PUMP ASSY.(REF.NO.1)

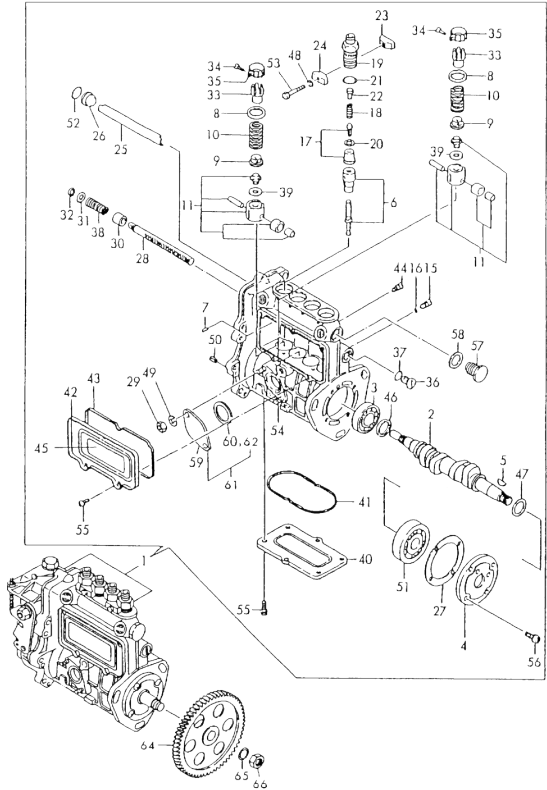
| No.      | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|----------|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|          |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1        | 1    | 729535-51360 | PUMP ASSY, INJECTION | 1    |     |     |     |     |     |   | 1 |
| 2        | 2    | 129470-51040 | CAMSHAFT             | 1    |     |     |     |     |     |   |   |
| 3        | 2    | 129155-51050 | BEARING, 17BM001D    | 1    |     |     |     |     |     |   |   |
| 4        | 2    | 129155-51060 | SUPPORT, CAMSHAFT    | 1    |     |     |     |     |     |   |   |
| 5        | 2    | 122710-51090 | KEY                  | 1    |     |     |     |     |     |   |   |
| 6        | 2    | 129470-51101 | PLUNGER ASSY         | 4    |     |     |     |     |     |   |   |
| 7        | 2    | 129155-51140 | PIN                  | 4    |     |     |     |     |     |   |   |
| 8        | 2    | 174307-51170 | RETAINER, SPRING A   | 4    |     |     |     |     |     |   |   |
| 9        | 2    | 129155-51180 | RETAINER, SPRING     | 4    |     |     |     |     |     |   |   |
| 10       | 2    | 124950-51190 | SPRING, PLUNGER      | 4    |     |     |     |     |     |   |   |
| 11       | 2    | 129155-51200 | TAPPET ASSY          | 4    |     |     |     |     |     |   |   |
| 15       | 2    | 129155-51270 | STOPPER, TAPPET      | 4    |     |     |     |     |     |   |   |
| 16       | 2    | 129155-51280 | O-RING, S6           | 4    |     |     |     |     |     |   |   |
| 17       | 2    | 129100-51300 | VALVE ASSY, DELIVERY | 4    |     |     |     |     |     |   |   |
| 18       | 2    | 129155-51320 | SPRING, DELIVERY     | 4    |     |     |     |     |     |   |   |
| 19       | 2    | 129155-51340 | RETAINER             | 4    |     |     |     |     |     |   |   |
| 20       | 2    | 124550-51350 | GASKET, DELIVERY     | 4    |     |     |     |     |     |   |   |
| 21       | 2    | 124550-51370 | O-RING               | 4    |     |     |     |     |     |   |   |
| 22       | 2    | 129155-51370 | STOPPER, VALVE       | 4    |     |     |     |     |     |   |   |
| 23       | 2    | 129155-51380 | STOPPER              | 2    |     |     |     |     |     |   |   |
| 24       | 2    | 129155-51390 | STOPPER              | 2    |     |     |     |     |     |   |   |
| 25       | 2    | 129555-51400 | DEFLECTOR            | 1    |     |     |     |     |     |   |   |
| 26       | 2    | 129155-51410 | BOLT                 | 1    |     |     |     |     |     |   |   |
| 27       | 2    | 129155-51450 | SHIM SET, ADJUSTING  | 1    |     |     |     |     |     |   |   |
| 28       | 2    | 129555-51500 | RACK, CONTROL        | 1    |     |     |     |     |     |   |   |
| 29       | 2    | 26716-060002 | NUT, M6              | 2    |     |     |     |     |     |   |   |
| 30       | 2    | 129155-51521 | BUSH, RACK           | 1    |     |     |     |     |     |   |   |
| 31       | 2    | 129155-51530 | SPACER               | 1    |     |     |     |     |     |   |   |
| 32       | 2    | 129155-51540 | CIRCLIP              | 1    |     |     |     |     |     |   |   |
| 33       | 2    | 129155-51550 | PINION, CONTROL      | 4    |     |     |     |     |     |   |   |
| 34       | 2    | 122117-51560 | SCREW                | 4    |     |     |     |     |     |   |   |
| 35       | 2    | 174307-51560 | PINION               | 4    |     |     |     |     |     |   |   |
| 36       | 2    | 129155-51570 | PLUG, M12            | 1    |     |     |     |     |     |   |   |
| 37       | 2    | 129155-51580 | O-RING               | 1    |     |     |     |     |     |   |   |
| 38       | 2    | 129155-51591 | SPRING, RACK         | 1    |     |     |     |     |     |   |   |
| 39       | 2    | 129155-51600 | SHIM SET, ADJUSTING  | 4    |     |     |     |     |     |   |   |
| 40       | 2    | 129555-51700 | COVER                | 1    |     |     |     |     |     |   |   |
| 41       | 2    | 129555-51710 | GASKET               | 1    |     |     |     |     |     |   |   |
| 42       | 2    | 129555-51750 | COVER                | 1    |     |     |     |     |     |   |   |
| 43       | 2    | 129555-51760 | GASKET               | 1    |     |     |     |     |     |   |   |
| 44       | 2    | 129155-51790 | STOOPER, RACK        | 1    |     |     |     |     |     |   |   |
| 45       | 2    | 129156-51910 | LABEL, CAUTION       | 1    |     |     |     |     |     |   |   |
| 46       | 2    | 129155-51930 | SPACER, T=3.25       | 1    |     |     |     |     |     |   |   |
| 47       | 2    | 129155-51940 | SPACER, T=1.5        | 1    |     |     |     |     |     |   |   |
| 48       | 2    | 22217-050000 | WASHER, SPRING 5     | 2    |     |     |     |     |     |   | Z |
| (A=EXXX) |      |              |                      |      |     |     |     |     |     |   |   |
| 49       | 2    | 22217-060000 | WASHER, SPRING 6     | 2    |     |     |     |     |     |   |   |
| 50       | 2    | 22351-050010 | PIN, SPRING 5.0X10   | 2    |     |     |     |     |     |   |   |
| 51       | 2    | 24101-063033 | BEARING, BALL 6303P6 | 1    |     |     |     |     |     |   |   |
| 51-1     | 2    | 24101-063034 | BEARING, BALL 6303   | 1    |     |     |     |     |     |   | N |
| (A=EXXX) |      |              |                      |      |     |     |     |     |     |   |   |

N:Old  $\frac{NBS}{100}$  New, Q:Old  $\frac{H10}{100}$  New, R:Old  $\frac{H10}{100}$  New, S:Old  $\frac{H10}{100}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
++ CONTINUE ++  
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OCD10-M37503

Fig.18. FUEL INJECTION PUMP

029150-25200  
729535-51350



Remarks  
(1) GOVERNOR ASSY(FIG.22) IS  
INCORPORATED IN THIS FUEL  
INJECTION PUMP ASSY.(REF.NO.1)

| No.      | Lev. | Parts No.    | Description         | Q'ty |     |     |     |     |     | I | R |
|----------|------|--------------|---------------------|------|-----|-----|-----|-----|-----|---|---|
|          |      |              |                     | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 52       | 2    | 24341-000160 | O-RING, 1AS16.0     | 1    |     |     |     |     |     |   |   |
| 53       | 2    | 26116-050302 | BOLT, M5X 30 PLATED | 2    |     |     |     |     |     |   |   |
| 54       | 2    | 129155-51020 | STUD                | 2    |     |     |     |     |     |   |   |
| 55       | 2    | 26022-050102 | SCREW, M5X10        | 11   |     |     |     |     |     |   |   |
| 56       | 2    | 26022-060162 | SCREW, M6X16        | 4    |     |     |     |     |     |   |   |
| 57       | 2    | 129155-51420 | PLUG, M16           | 1    |     |     |     |     |     |   |   |
| 58       | 2    | 43400-500490 | SEAL WASHER 16      | 1    |     |     |     |     |     |   |   |
| 59       | 2    | 129100-52200 | COVER               | 1    |     |     |     |     |     |   | Z |
| (A=EXXX) |      |              |                     |      |     |     |     |     |     |   |   |
| 60       | 2    | 129155-52020 | GASKET              | 1    |     |     |     |     |     |   | Z |
| (A=EXXX) |      |              |                     |      |     |     |     |     |     |   |   |
| 61       | 2    | 129255-52000 | COVER ASSY          | 1    |     |     |     |     |     |   | W |
| (A=EXXX) |      |              |                     |      |     |     |     |     |     |   |   |
| 62       | 3    | 129155-52050 | GASKET              | 1    |     |     |     |     |     |   | W |
| (A=EXXX) |      |              |                     |      |     |     |     |     |     |   |   |
| 64       | 1    | 129150-25900 | GEAR, PUMP          | 1    |     |     |     |     |     |   |   |
| 65       | 1    | 22217-120000 | WASHER, SPRING 12   | 1    |     |     |     |     |     |   |   |
| 66       | 1    | 26716-120002 | NUT, M12            | 1    |     |     |     |     |     |   |   |

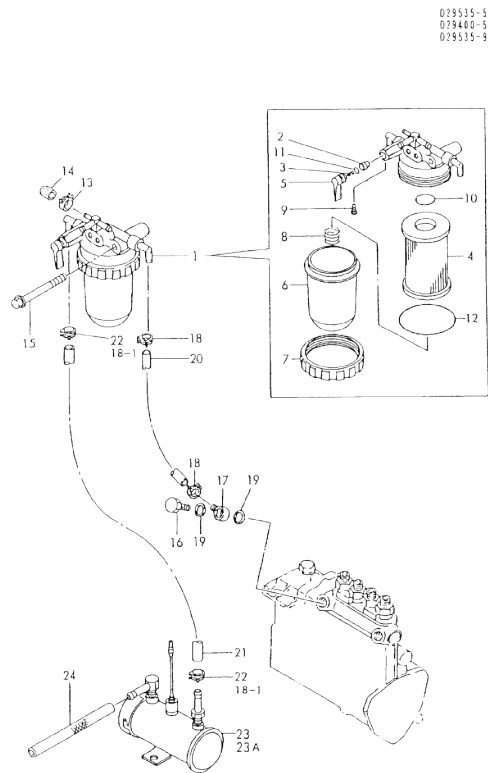
Fig.19. FUEL INJECTION DEVICE



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:Qty Change

OCD10-M37503

Fig.20. FUEL OIL SYSTEM

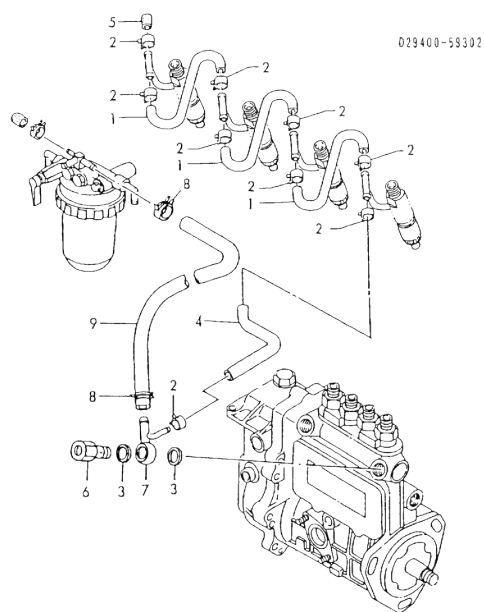


| No.        | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R  |
|------------|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|----|
|            |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |    |
| 1          | 1    | 129100-55621 | FILTER ASSY, FUEL    | 1    |     |     |     |     |     |   |    |
| 2          | 2    | 104200-55321 | VALVE, TAPER         | 1    |     |     |     |     |     |   |    |
| 3          | 2    | 104200-55330 | SPRING, VALVE        | 1    |     |     |     |     |     |   |    |
| 4          | 2    | 129100-55650 | ELEMENT              | 1    |     |     |     |     |     |   |    |
| 5          | 2    | 129100-55670 | LEVER                | 1    |     |     |     |     |     |   |    |
| 6          | 2    | 129100-55680 | CUP, STRAINER        | 1    |     |     |     |     |     |   |    |
| 7          | 2    | 129100-55690 | RING, RETAINING      | 1    |     |     |     |     |     |   |    |
| 8          | 2    | 129100-55700 | SPRING               | 1    |     |     |     |     |     |   |    |
| 9          | 2    | 104200-55750 | SCREW, M4            | 1    |     |     |     |     |     |   |    |
| 10         | 2    | 24311-000160 | O-RING, 1AP16.0      | 1    |     |     |     |     |     |   |    |
| 11         | 2    | 24311-240100 | O-RING, 1AP10A       | 1    |     |     |     |     |     |   |    |
| 12         | 2    | 24321-000650 | O-RING, 1AG65.0      | 1    |     |     |     |     |     |   | \$ |
| 13         | 1    | 124066-59100 | CLIP, HOSE 8         | 1    |     |     |     |     |     |   |    |
| 14         | 1    | 129150-59580 | CAP                  | 1    |     |     |     |     |     |   |    |
| 15         | 1    | 26106-080802 | BOLT, M8X 80 PLATED  | 1    |     |     |     |     |     |   |    |
| 16         | 1    | 103854-39140 | BOLT, PIPE JOINT     | 1    |     |     |     |     |     |   |    |
| 17         | 1    | 101304-59020 | JOINT, PIPE 12       | 1    |     |     |     |     |     |   |    |
| 18         | 1    | 124766-59050 | CLIP, HOSE 12        | 2    |     |     |     |     |     |   |    |
| 18-1       | 1    | 124766-59050 | CLIP, HOSE 12        | 4    |     |     |     |     |     |   | K  |
| (A=E06423) |      |              |                      |      |     |     |     |     |     |   |    |
| 19         | 1    | 104200-59170 | GASKET, 12           | 2    |     |     |     |     |     |   |    |
| 20         | 1    | 129555-59510 | PIPE, D13/7.5X180    | 1    |     |     |     |     |     |   |    |
| 21         | 1    | 105025-59530 | PIPE, FUEL D13X400   | 1    |     |     |     |     |     |   |    |
| 22         | 1    | 23000-013000 | CLAMP, 13            | 2    |     |     |     |     |     |   | Z  |
| (A=E06423) |      |              |                      |      |     |     |     |     |     |   |    |
| 23         | 1    | 129535-52100 | PUMP ASSY, FUEL FEED | 1    |     |     |     |     |     |   |    |
| 23A        | 2    | 129535-52150 | FILTER ASSY          | 1    |     |     |     |     |     |   | W  |
| (A=E03379) |      |              |                      |      |     |     |     |     |     |   |    |
| 24         | 1    | 129535-59510 | PIPE, FUEL L=2300    | 1    |     |     |     |     |     |   |    |

Remarks

(S) THESE PARTS ARE SOLD BY  
FIG.26,REF.NO.1-2.

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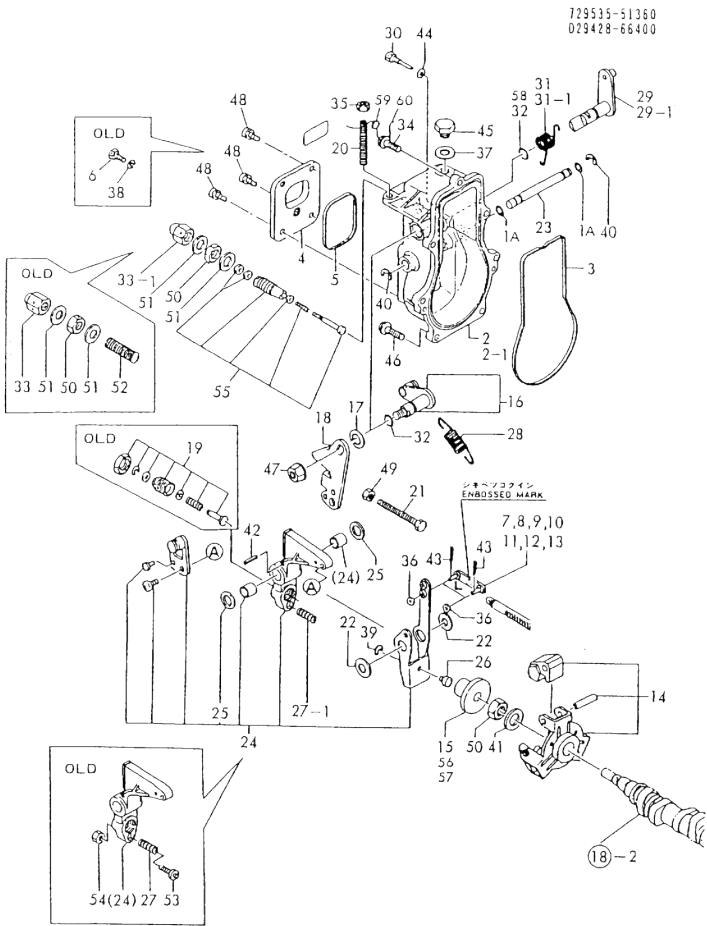


| No. | Lev. | Parts No.    | Description        | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|--------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                    | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 121250-59550 | PIPE, FUEL D8X120  | 3    |     |     |     |     |     |   |   |
| 2   | 1    | 124066-59100 | CLIP, HOSE 8       | 9    |     |     |     |     |     |   |   |
| 3   | 1    | 23414-120000 | GASKET, 12X1.0     | 2    |     |     |     |     |     |   |   |
| 4   | 1    | 119840-59560 | PIPE, FUEL RETURN  | 1    |     |     |     |     |     |   |   |
| 5   | 1    | 129150-59580 | CAP                | 1    |     |     |     |     |     |   |   |
| 6   | 1    | 129100-59951 | VALVE ASSY, CHECK  | 1    |     |     |     |     |     |   |   |
| 7   | 1    | 119840-59570 | JOINT              | 1    |     |     |     |     |     |   |   |
| 8   | 1    | 124766-59050 | CLIP, HOSE 12      | 2    |     |     |     |     |     |   |   |
| 9   | 1    | 105025-59530 | PIPE, FUEL D13X400 | 1    |     |     |     |     |     |   |   |

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:Q'ty Change

OCD10-M37503

Fig.22. GOVERNOR

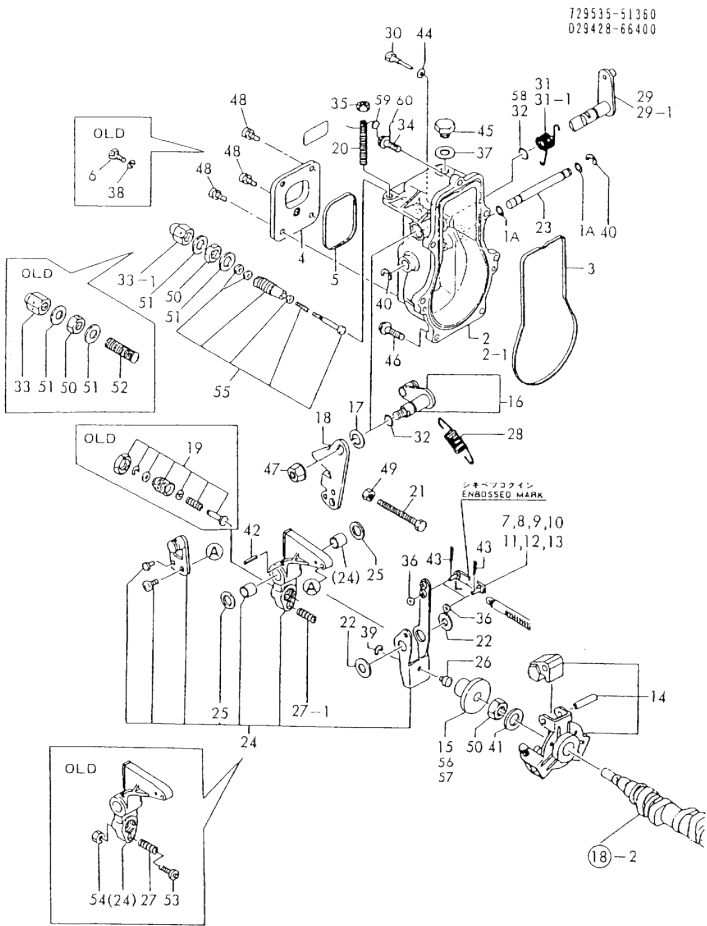


| No.        | Lev. | Parts No.    | Description           | Q'ty |     |     |     |     |     | I | R |
|------------|------|--------------|-----------------------|------|-----|-----|-----|-----|-----|---|---|
|            |      |              |                       | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1A         | 2    | 129155-51280 | O-RING, S6            | 2    |     |     |     |     |     |   |   |
| 2          | 2    | 129155-61010 | CASE, GOVERNOR        | 1    |     |     |     |     |     |   |   |
| 2-1        | 2    | 129155-61011 | CASE, GOVERNOR        | 1    |     |     |     |     |     | S |   |
| (A=E03878) |      |              |                       |      |     |     |     |     |     |   |   |
| 3          | 2    | 129155-61050 | GASKET                | 1    |     |     |     |     |     |   |   |
| 4          | 2    | 129155-61060 | COVER, GOVERNOR CASE  | 1    |     |     |     |     |     |   |   |
| 5          | 2    | 129155-61070 | GASKET                | 1    |     |     |     |     |     |   |   |
| 6          | 2    | 129155-61090 | BOLT                  | 1    |     |     |     |     |     | Z |   |
| (A=E03878) |      |              |                       |      |     |     |     |     |     |   |   |
| 7          | 2    | 129155-61120 | LINK, L=30 MARK 0     | 1    |     |     |     |     |     |   |   |
| 8          | 2    | 129155-61130 | LINK, L=31 MARK 1     | 1    |     |     |     |     |     |   |   |
| 9          | 2    | 129155-61140 | LINK, L=30.5 MARK 05  | 1    |     |     |     |     |     |   |   |
| 10         | 2    | 129155-61150 | LINK, L=33            | 1    |     |     |     |     |     | Z |   |
| (A=E03878) |      |              |                       |      |     |     |     |     |     |   |   |
| 11         | 2    | 129155-61160 | LINK, L=34 MARK 4     | 1    |     |     |     |     |     | Z |   |
| (A=E03878) |      |              |                       |      |     |     |     |     |     |   |   |
| 12         | 2    | 129155-61170 | LINK, L=28 MARK 8     | 1    |     |     |     |     |     | Z |   |
| (A=E03878) |      |              |                       |      |     |     |     |     |     |   |   |
| 13         | 2    | 129155-61180 | LINK, L=29 MARK 9     | 1    |     |     |     |     |     | Z |   |
| (A=E03878) |      |              |                       |      |     |     |     |     |     |   |   |
| 14         | 2    | 129155-61201 | WEIGHT ASSY, GOVERNOR | 1    |     |     |     |     |     |   |   |
| 15         | 2    | 129155-61341 | SLEEVE                | 1    |     |     |     |     |     |   |   |
| 16         | 2    | 129100-61400 | SHAFT ASSY            | 1    |     |     |     |     |     |   |   |
| 17         | 2    | 129155-61430 | SPACER                | 1    |     |     |     |     |     |   |   |
| 18         | 2    | 129100-61440 | LEVER, CONTROL        | 1    |     |     |     |     |     |   |   |
| 19         | 2    | 171353-61550 | ANGLEICH ASSY         | 1    |     |     |     |     |     | Z |   |
| (A=E03043) |      |              |                       |      |     |     |     |     |     |   |   |
| 20         | 2    | 129155-61450 | BOLT, LIMITER         | 1    |     |     |     |     |     |   |   |
| 21         | 2    | 129155-61460 | BOLT, IDLE            | 1    |     |     |     |     |     |   |   |
| 22         | 2    | 129155-61480 | SPACER ASSY           | 2    |     |     |     |     |     |   |   |
| 23         | 2    | 129155-61490 | SHAFT                 | 1    |     |     |     |     |     |   |   |
| 24         | 2    | 171353-61051 | LEVER ASSY, GOVERNOR  | 1    |     |     |     |     |     |   |   |
| 24-1       | 2    | 129500-61500 | LEVER ASSY, GOVERNOR  | 1    |     |     |     |     |     | N |   |
| (A=E03043) |      |              |                       |      |     |     |     |     |     |   |   |
| 25         | 3    | 174307-51700 | SHIM SET              | 2    |     |     |     |     |     |   |   |
| 26         | 2    | 129155-61540 | SHIFTER               | 1    |     |     |     |     |     |   |   |
| 27         | 2    | 171353-61652 | SPRING                | 1    |     |     |     |     |     |   |   |
| 27-1       | 2    | 129100-61650 | SPRING, CONTROLLER    | 1    |     |     |     |     |     | S |   |
| (A=E03043) |      |              |                       |      |     |     |     |     |     |   |   |
| 28         | 2    | 171353-61710 | SPRING, GOVERNOR      | 1    |     |     |     |     |     |   |   |
| 29         | 2    | 129255-61801 | LEVER, STOP           | 1    |     |     |     |     |     |   |   |
| 29-1       | 2    | 129255-61802 | LEVER, STOP           | 1    |     |     |     |     |     | S |   |
| (A=E03713) |      |              |                       |      |     |     |     |     |     |   |   |
| 30         | 2    | 129155-61810 | PIN                   | 1    |     |     |     |     |     |   |   |
| 31         | 2    | 129100-61820 | SPRING, RETURN        | 1    |     |     |     |     |     |   |   |
| 31-1       | 2    | 129100-61821 | SPRING, RETURN        | 1    |     |     |     |     |     | S |   |
| (A=E03878) |      |              |                       |      |     |     |     |     |     |   |   |
| 32         | 2    | 129155-61830 | O-RING, S10           | 3    |     |     |     |     |     |   |   |
| 32-1       | 2    | 129155-61830 | O-RING, S10           | 2    |     |     |     |     |     | K |   |
| (A=E03878) |      |              |                       |      |     |     |     |     |     |   |   |
| 32-2       | 2    | 129155-61830 | O-RING, S10           | 1    |     |     |     |     |     | K |   |

N:Old, New, Q:Old, New, R:Old, New, S:Old, New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
++ CONTINUE ++  
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Fig.22. GOVERNOR

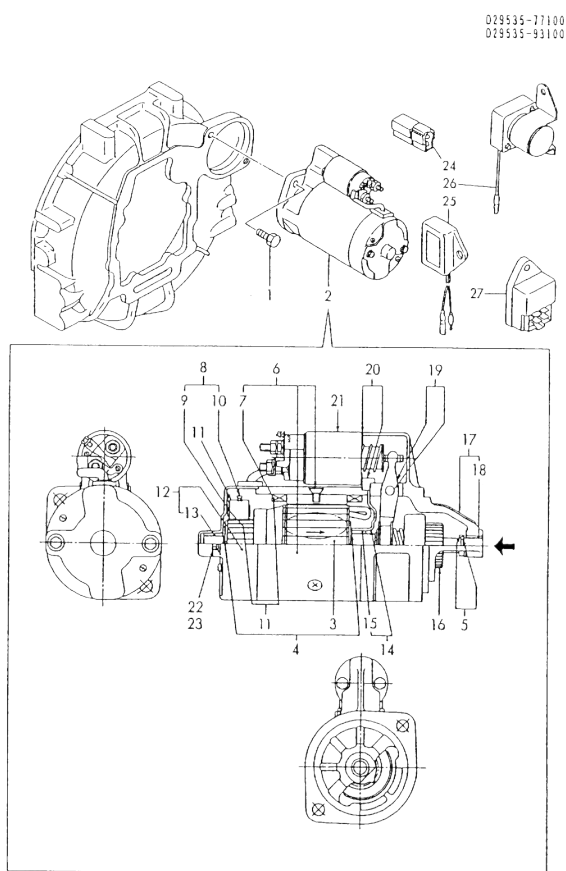


| No.  | Lev. | Parts No.    | Description         | Q'ty |     |     |     |     |     | I | R |
|------|------|--------------|---------------------|------|-----|-----|-----|-----|-----|---|---|
|      |      |              |                     | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
|      |      |              | (A=E000X)           |      |     |     |     |     |     |   |   |
| 33   | 2    | 129100-61930 | NUT, CAP            | 1    |     |     |     |     |     |   |   |
| 33-1 | 2    | 26687-120002 | NUT, CAP M12        | 1    |     |     |     |     |     |   | N |
|      |      |              | (A=E03878)          |      |     |     |     |     |     |   |   |
| 34   | 2    | 129155-61950 | BOLT                | 1    |     |     |     |     |     |   |   |
| 35   | 2    | 124550-66370 | NUT, M6             | 1    |     |     |     |     |     |   |   |
| 36   | 2    | 22117-040000 | WASHER, 4           | 2    |     |     |     |     |     |   |   |
| 36-1 | 2    | 22117-040000 | WASHER, 4           | 1    |     |     |     |     |     |   | K |
|      |      |              | (A=E000X)           |      |     |     |     |     |     |   |   |
| 37   | 2    | 22190-100000 | WASHER, SEAL 10     | 1    |     |     |     |     |     |   |   |
| 37-1 | 2    | 43400-500430 | SEAL WASHER 10      | 1    |     |     |     |     |     |   | N |
|      |      |              | (A=E000X)           |      |     |     |     |     |     |   |   |
| 38   | 2    | 22217-050000 | WASHER, SPRING 5    | 4    |     |     |     |     |     |   | Z |
|      |      |              | (A=E03878)          |      |     |     |     |     |     |   |   |
| 39   | 2    | 22272-000040 | RING, E- 4          | 1    |     |     |     |     |     |   |   |
| 40   | 2    | 22272-000060 | RING, E- 6          | 2    |     |     |     |     |     |   |   |
| 41   | 2    | 22287-120000 | WASHER, 12          | 1    |     |     |     |     |     |   |   |
| 42   | 2    | 22351-030016 | PIN, SPRING 3.0X16  | 1    |     |     |     |     |     |   |   |
| 43   | 2    | 22360-040000 | PIN, SNAP 4         | 2    |     |     |     |     |     |   |   |
| 43-1 | 2    | 22372-040000 | PIN, SNAP 4         | 2    |     |     |     |     |     |   | R |
|      |      |              | (A=E06103)          |      |     |     |     |     |     |   |   |
| 44   | 2    | 23414-050000 | GASKET, 5X1.0       | 1    |     |     |     |     |     |   |   |
| 44-1 | 2    | 43400-500390 | SEAL WASHER 6       | 1    |     |     |     |     |     |   | N |
|      |      |              | (A=*1989.)          |      |     |     |     |     |     |   |   |
| 45   | 2    | 23887-100002 | PLUG, 10            | 1    |     |     |     |     |     |   |   |
| 46   | 2    | 26106-060202 | BOLT, M6X 20 PLATED | 6    |     |     |     |     |     |   |   |
| 47   | 2    | 26366-080002 | NUT, M8             | 1    |     |     |     |     |     |   |   |
| 48   | 2    | 26022-050102 | SCREW, M5X10        | 3    |     |     |     |     |     |   |   |
| 48-1 | 2    | 26022-050102 | SCREW, M5X10        | 4    |     |     |     |     |     |   | K |
|      |      |              | (A=E03878)          |      |     |     |     |     |     |   |   |
| 49   | 2    | 26756-060002 | NUT, LOCK M6        | 1    |     |     |     |     |     |   |   |
| 50   | 2    | 26776-120002 | NUT, LOCK M12       | 2    |     |     |     |     |     |   |   |
| 51   | 2    | 43400-500450 | SEAL WASHER 12      | 2    |     |     |     |     |     |   |   |
| 52   | 2    | 129155-61470 | BOLT, CONTROL       | 1    |     |     |     |     |     |   | Z |
|      |      |              | (A=E03043)          |      |     |     |     |     |     |   |   |
| 53   | 2    | 171353-61670 | BOLT, ADJUSTING     | 1    |     |     |     |     |     |   | Z |
|      |      |              | (A=E03043)          |      |     |     |     |     |     |   |   |
| 54   | 2    | 171353-61680 | NUT, LOCK           | 1    |     |     |     |     |     |   | Z |
|      |      |              | (A=E03043)          |      |     |     |     |     |     |   |   |
| 55   | 2    | 129100-61450 | LIMITER ASSY, FUEL  | 1    |     |     |     |     |     |   | W |
| 56   | 2    | 129155-61350 | SLEEVE, L=24.9      | 1    |     |     |     |     |     |   | W |
|      |      |              | (A=E000X)           |      |     |     |     |     |     |   |   |
| 57   | 2    | 129155-61360 | SLEEVE, L=25.2      | 1    |     |     |     |     |     |   | W |
|      |      |              | (A=E000X)           |      |     |     |     |     |     |   |   |
| 58   | 2    | 24311-240100 | O-RING, 1AP10A      | 1    |     |     |     |     |     |   | W |
|      |      |              | (A=E000X)           |      |     |     |     |     |     |   |   |
| 59   | 1    | 135210-61090 | LEAD                | 1    |     |     |     |     |     |   |   |
| 60   | 1    | 22451-060000 | WIRE, 0.6           | 1    |     |     |     |     |     |   |   |

N:Old  $\frac{100}{100}$  New, Q:Old  $\frac{100}{100}$  New, R:Old  $\frac{100}{100}$  New, S:Old  $\frac{100}{100}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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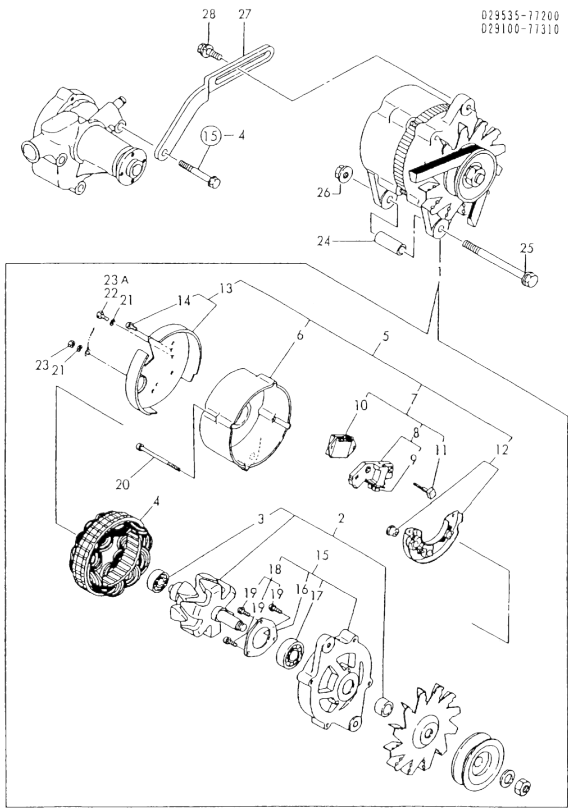
| No. | Lev. | Parts No.    | Description         | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|---------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                     | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 129535-66790 | MOTOR ASSY, STOP    | 1    |     |     |     |     |     |   |   |
| 2   | 2    | 129505-66830 | SPRING, STOP MOTOR  | 1    |     |     |     |     |     |   |   |
| 3   | 2    | 129566-66880 | RING, SNAP          | 1    |     |     |     |     |     |   |   |
| 4   | 2    | 129566-66890 | WASHER              | 1    |     |     |     |     |     |   |   |
| 5   | 1    | 129107-66810 | BRACKET, STOP MOTOR | 1    |     |     |     |     |     |   |   |
| 6   | 1    | 129107-66820 | BRACKET, STOP MOTOR | 1    |     |     |     |     |     |   |   |
| 7   | 1    | 22117-080000 | WASHER, 8           | 1    |     |     |     |     |     |   |   |
| 8   | 1    | 22360-080000 | SNAP PIN 8          | 1    |     |     |     |     |     |   |   |
| 9   | 1    | 26106-080122 | BOLT, M8X 12 PLATED | 2    |     |     |     |     |     |   |   |
| 10  | 1    | 26106-080122 | BOLT, M8X 12 PLATED | 2    |     |     |     |     |     |   |   |
| 11  | 1    | 26116-050102 | BOLT, M5X 10 PLATED | 3    |     |     |     |     |     |   |   |



| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 26116-120252 | BOLT, M12X 25 PLATED | 2    |     |     |     |     |     |   |   |
| 2   | 1    | 46120-500821 | STARTER, DC24S25-154 | 1    |     |     |     |     |     |   |   |
| 3   | 2    | X225031001   | ARMATURE ASSY        | 1    |     |     |     |     |     |   |   |
| 4   | 2    | X21201115    | WASHER SET, THRUST   | 1    |     |     |     |     |     |   |   |
| 5   | 2    | X22506105    | STOPPER SET, PINION  | 1    |     |     |     |     |     |   |   |
| 6   | 2    | X225052001   | COIL ASSY, FIELD     | 1    |     |     |     |     |     |   |   |
| 7   | 3    | X22504322    | BRASH                | 2    |     |     |     |     |     |   |   |
| 8   | 2    | X22504305    | HOLDER ASSY, BRUSH   | 1    |     |     |     |     |     |   |   |
| 9   | 3    | X22502323    | BRASH                | 2    |     |     |     |     |     |   |   |
| 10  | 3    | X21304313    | SPRING, BRUSH        | 4    |     |     |     |     |     |   |   |
| 11  | 2    | X22501324    | BRUSH                | 1    |     |     |     |     |     |   |   |
| 12  | 2    | X225073012   | COVER ASSY, REAR     | 1    |     |     |     |     |     |   |   |
| 13  | 3    | X21301310    | METAL, COVER BEARING | 1    |     |     |     |     |     |   |   |
| 14  | 2    | X21303400    | BEARING ASSY         | 1    |     |     |     |     |     |   |   |
| 15  | 3    | X21204401    | METAL, CENTER BERG.  | 1    |     |     |     |     |     |   |   |
| 16  | 2    | X225075004   | PINION ASSY          | 1    |     |     |     |     |     |   |   |
| 17  | 2    | X225086005   | CASE ASSY, GEAR      | 1    |     |     |     |     |     |   |   |
| 18  | 3    | X21301310    | METAL, COVER BEARING | 1    |     |     |     |     |     |   |   |
| 19  | 2    | X21302605    | LEVER SET            | 1    |     |     |     |     |     |   |   |
| 20  | 2    | X21302610    | COVER SET, DUST      | 1    |     |     |     |     |     |   |   |
| 21  | 2    | X225047002   | SWITCH ASSY, MAGNET. | 1    |     |     |     |     |     |   |   |
| 22  | 2    | X22503820    | BOLT, THROUGH        | 2    |     |     |     |     |     |   |   |
| 23  | 2    | X21301827    | WASHER               | 2    |     |     |     |     |     |   |   |
| 24  | 1    | 119643-66900 | DIODE                | 1    |     |     |     |     |     |   |   |
| 25  | 1    | 160970-77350 | RECTIFIER, ZR2117    | 1    |     |     |     |     |     |   |   |
| 26  | 1    | 119129-77910 | RELAY, MAGNETIC      | 1    |     |     |     |     |     |   |   |
| 27  | 1    | 119129-77920 | TIMER                | 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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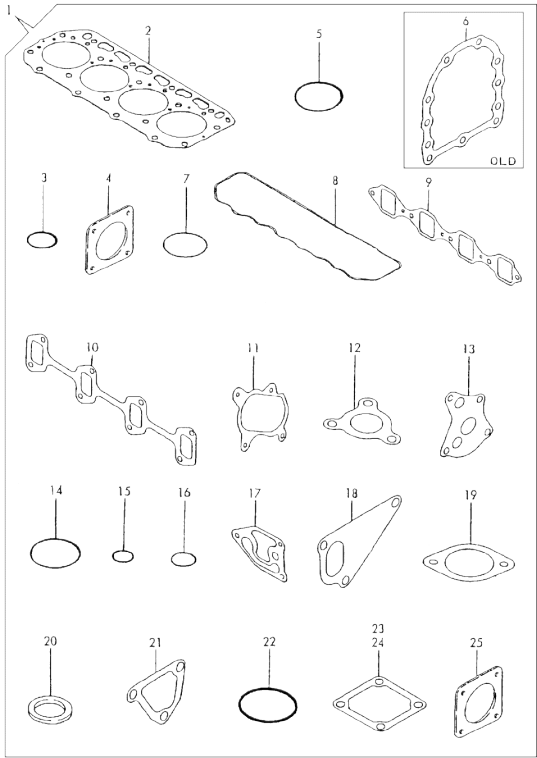
Fig.25. GENERATOR(COMPONENT PARTS)



| No.        | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|------------|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|            |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1          | 1    | 129535-77200 | GENERATOR, LR225-90  | 1    |     |     |     |     |     |   |   |
| 2          | 2    | 119129-77300 | ROTOR ASSY           | 1    |     |     |     |     |     |   |   |
| 3          | 3    | 119129-77320 | BALL BEARING         | 1    |     |     |     |     |     |   |   |
| 4          | 2    | 119129-77960 | STATOR ASSY          | 1    |     |     |     |     |     |   |   |
| 5          | 2    | 119129-77330 | REAR COVER ASSY      | 1    |     |     |     |     |     |   |   |
| 6          | 3    | 119129-77340 | REAR COVER           | 1    |     |     |     |     |     |   |   |
| 7          | 3    | 119129-77350 | BRUSH ASSY,REGULATOR | 1    |     |     |     |     |     |   |   |
| 8          | 4    | 119129-77380 | BUSH ASSY            | 1    |     |     |     |     |     |   |   |
| 9          | 4    | 119129-77810 | BUSH SET             | 2    |     |     |     |     |     |   |   |
| 10         | 4    | 119129-77820 | REGULATOR ASSY, I.C. | 1    |     |     |     |     |     |   |   |
| 11         | 4    | 119129-77940 | BOLT(M5)             | 2    |     |     |     |     |     |   |   |
| 12         | 3    | 119129-77360 | DIODE ASSY           | 1    |     |     |     |     |     |   |   |
| 13         | 3    | 119129-77370 | COVER                | 1    |     |     |     |     |     |   |   |
| 14         | 4    | 26116-050122 | BOLT, M5X 12 PLATED  | 3    |     |     |     |     |     |   |   |
| 15         | 2    | 119129-77840 | COVER ASSY, FRONT    | 1    |     |     |     |     |     |   |   |
| 16         | 3    | 119129-77870 | RETAINER, BEARING    | 1    |     |     |     |     |     |   |   |
| 17         | 3    | 119129-77850 | BALL BEARING         | 1    |     |     |     |     |     |   |   |
| 18         | 2    | 119129-77930 | SCREW KIT            | 1    |     |     |     |     |     |   |   |
| 19         | 3    | 26116-050122 | BOLT, M5X 12 PLATED  | 3    |     |     |     |     |     |   |   |
| 20         | 2    | 119129-77890 | BOLT, THROUGH        | 4    |     |     |     |     |     |   |   |
| 21         | 2    | 22217-050000 | WASHER, SPRING 5     | 2    |     |     |     |     |     |   |   |
| 22         | 2    | 26116-050122 | BOLT, M5X 12 PLATED  | 1    |     |     |     |     |     |   |   |
| 23         | 2    | 26756-050002 | NUT, LOCK M5         | 1    |     |     |     |     |     |   |   |
| 23A        | 2    | 124080-77520 | BOLT M5              | 2    |     |     |     |     |     |   | W |
| (A=E03782) |      |              |                      |      |     |     |     |     |     |   |   |
| 24         | 1    | 129150-77340 | SPACER               | 1    |     |     |     |     |     |   |   |
| 25         | 1    | 26106-081202 | BOLT, M8X120 PLATED  | 1    |     |     |     |     |     |   |   |
| 26         | 1    | 26366-080002 | NUT, M8              | 1    |     |     |     |     |     |   |   |
| 27         | 1    | 129100-77330 | ADJUSTER             | 1    |     |     |     |     |     |   |   |
| 28         | 1    | 26014-080252 | BOLT, M8X 25         | 1    |     |     |     |     |     |   |   |

OCD10-M37503

Fig.26. GASKET SET(OPTIONAL)



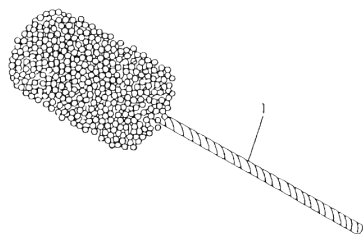
| No.        | Lev. | Parts No.    | Description        | Q'ty |     |     |     |     |     | I | R |
|------------|------|--------------|--------------------|------|-----|-----|-----|-----|-----|---|---|
|            |      |              |                    | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1          | 1    | 729535-92600 | GASKET SET         | 1    |     |     |     |     |     |   | 1 |
| 1-1        | 1    | 729535-92601 | GASKET SET         | 1    |     |     |     |     |     | N | 1 |
| (A=E05400) |      |              |                    |      |     |     |     |     |     |   |   |
| 1-2        | 1    | 729535-92602 | GASKET SET         | 1    |     |     |     |     |     | N | 1 |
| (A=E06177) |      |              |                    |      |     |     |     |     |     |   |   |
| 2          | 2    | 129555-01332 | GASKET, HEAD       | 1    |     |     |     |     |     |   |   |
| 3          | 2    | 24311-000320 | O-RING, 1AP32.0    | 2    |     |     |     |     |     |   |   |
| 4          | 2    | 124240-01882 | GASKET             | 1    |     |     |     |     |     |   |   |
| 4-1        | 2    | 124240-01883 | GASKET             | 1    |     |     |     |     |     | N |   |
| (A=E05034) |      |              |                    |      |     |     |     |     |     |   |   |
| 5          | 2    | 121850-51960 | O-RING             | 1    |     |     |     |     |     |   |   |
| 6          | 2    | 129150-01660 | GASKET             | 1    |     |     |     |     |     | Z |   |
| (A=*1988.) |      |              |                    |      |     |     |     |     |     |   |   |
| 7          | 2    | 24341-000500 | O-RING, 1AS50.0    | 1    |     |     |     |     |     |   |   |
| 8          | 2    | 129550-11310 | GASKET, BONNET     | 1    |     |     |     |     |     |   |   |
| 9          | 2    | 129550-12110 | GASKET, MANIFOLD   | 1    |     |     |     |     |     |   |   |
| 9-1        | 2    | 129550-12111 | GASKET, MANIFOLD   | 1    |     |     |     |     |     | N |   |
| (A=E05400) |      |              |                    |      |     |     |     |     |     |   |   |
| 10         | 2    | 129550-13110 | GASKET             | 1    |     |     |     |     |     |   |   |
| 11         | 2    | 129403-18090 | GASKET             | 1    |     |     |     |     |     |   |   |
| 12         | 2    | 129477-18100 | GASKET             | 1    |     |     |     |     |     |   |   |
| 12-1       | 2    | 129535-18100 | GASKET             | 1    |     |     |     |     |     | N |   |
| (A=E06177) |      |              |                    |      |     |     |     |     |     |   |   |
| 13         | 2    | 129150-32020 | GASKET, PUMP       | 1    |     |     |     |     |     |   |   |
| 14         | 2    | 24321-000550 | O-RING, 1AG55.0    | 1    |     |     |     |     |     |   |   |
| 15         | 2    | 24311-000200 | O-RING, 1AP20.0    | 1    |     |     |     |     |     |   |   |
| 16         | 2    | 24311-000210 | O-RING, 1AP21.0    | 1    |     |     |     |     |     |   |   |
| 17         | 2    | 129103-35121 | GASKET             | 1    |     |     |     |     |     |   |   |
| 17-1       | 2    | 129103-35122 | GASKET             | 1    |     |     |     |     |     | N |   |
| (A=E05400) |      |              |                    |      |     |     |     |     |     |   |   |
| 18         | 2    | 129100-42020 | GASKET, WATER PUMP | 1    |     |     |     |     |     |   |   |
| 19         | 2    | 129795-49550 | GASKET             | 1    |     |     |     |     |     |   |   |
| 19-1       | 2    | 129795-49551 | GASKET             | 1    |     |     |     |     |     | N |   |
| (A=E05400) |      |              |                    |      |     |     |     |     |     |   |   |
| 20         | 2    | 129150-49810 | GASKET, THERMOSTAT | 1    |     |     |     |     |     |   |   |
| 20-1       | 2    | 129150-49811 | GASKET, THERMOSTAT | 1    |     |     |     |     |     | N |   |
| (A=E05400) |      |              |                    |      |     |     |     |     |     |   |   |
| 21         | 2    | 129100-49840 | GASKET             | 1    |     |     |     |     |     |   |   |
| 22         | 2    | 24321-000650 | O-RING, 1AG65.0    | 1    |     |     |     |     |     |   |   |
| 23         | 2    | 129150-77510 | GASKET             | 1    |     |     |     |     |     |   |   |
| 23-1       | 2    | 129150-77511 | GASKET             | 1    |     |     |     |     |     | N |   |
| (A=E05400) |      |              |                    |      |     |     |     |     |     |   |   |
| 24         | 2    | 129100-77510 | GASKET, AIR HEATER | 2    |     |     |     |     |     |   |   |
| 25         | 2    | 129400-13200 | GASKET, SILENCER   | 1    |     |     |     |     |     |   |   |
| 25-1       | 2    | 129400-13201 | GASKET, SILENCER   | 1    |     |     |     |     |     | N |   |
| (A=E05400) |      |              |                    |      |     |     |     |     |     |   |   |

Remarks

(1) OPTIONAL PART.

N:Old  $\frac{Y_{Old}}{100}$  New, Q:Old  $\frac{H_{Old}}{100}$  New, R:Old  $\frac{Y_{Old}}{100}$  New, S:Old  $\frac{H_{Old}}{100}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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Fig.27. SPECIAL TOOL(OPTIONAL)



Remarks  
(1) OPTIONAL PART.

## Parts No. Index

| Parts No.    | Fig. No. | Ref. No. |
|--------------|----------|----------|
| 101304-59020 | 20       | 17       |
| 103338-11190 | 6        | 13       |
| 103854-39140 | 20       | 16       |
| 104200-55321 | 20       | 2        |
| 104200-55330 | 20       | 3        |
| 104200-55750 | 20       | 9        |
| 104200-59170 | 20       | 19       |
| 105010-39140 | 14       | 2        |
| 105025-59530 | 20       | 21       |
|              | 21       | 9        |
| 114250-53080 | 19       | 3        |
| 114250-53120 | 19       | 5        |
| 114250-53130 | 19       | 6        |
| 114250-53140 | 19       | 7        |
| 114250-53210 | 19       | 8        |
| 114250-53400 | 19       | 9        |
| 119129-77300 | 25       | 2        |
| 119129-77320 | 25       | 3        |
| 119129-77330 | 25       | 5        |
| 119129-77340 | 25       | 6        |
| 119129-77350 | 25       | 7        |
| 119129-77360 | 25       | 12       |
| 119129-77370 | 25       | 13       |
| 119129-77380 | 25       | 8        |
| 119129-77810 | 25       | 9        |
| 119129-77820 | 25       | 10       |
| 119129-77840 | 25       | 15       |
| 119129-77850 | 25       | 17       |
| 119129-77870 | 25       | 16       |
| 119129-77890 | 25       | 20       |
| 119129-77910 | 24       | 26       |
| 119129-77920 | 24       | 27       |
| 119129-77930 | 25       | 18       |
| 119129-77940 | 25       | 11       |
| 119129-77960 | 25       | 4        |
| 119260-34810 | 13       | 10       |
| 119620-01750 | 3        | 3        |
| 119620-49290 | 17       | 5        |
| 119625-11870 | 6        | 33       |
| 119625-11880 | 6        | 34       |
| 119625-11900 | 6        | 35       |
| 119643-66900 | 24       | 24       |
| 119808-12510 | 7        | 4 -1     |
| 119808-12520 | 7        | 3 -1     |
| 119808-12530 | 7        | 5 -1     |
| 119808-12540 | 7        | 5 A      |
| 119840-59560 | 21       | 4        |
| 119840-59570 | 21       | 7        |
| 120130-11860 | 6        | 3        |
| 121027-11742 | 5        | 13       |

| Parts No.    | Fig. No. | Ref. No. |
|--------------|----------|----------|
| 121100-22400 | 12       | 4        |
| 121111-21501 | 11       | 9        |
| 121236-42290 | 15       | 5        |
| 121250-59550 | 21       | 1        |
| 121256-44600 | 17       | 15       |
| 121400-11340 | 6        | 15       |
| 121420-01760 | 5        | 7        |
| 121420-12511 | 7        | 3        |
| 121420-12530 | 7        | 5        |
| 121420-12540 | 7        | 6        |
| 121420-12550 | 7        | 7        |
| 121420-12561 | 7        | 8        |
| 121422-12570 | 7        | 9        |
| 121450-01560 | 2        | 3        |
| 121450-42450 | 17       | 8        |
| 121505-12210 | 7        | 1        |
| 121550-23200 | 12       | 8        |
| 121850-11860 | 6        | 5        |
| 121850-21680 | 11       | 7        |
| 121850-35200 | 13       | 18       |
| 121850-35520 | 13       | 25       |
| 121850-35531 | 13       | 26       |
| 121850-51960 | 2        | 9        |
|              | 26       | 5        |
| 122117-51560 | 18       | 34       |
| 122710-51090 | 18       | 5        |
| 123678-18320 | 8        | 13 -1    |
| 124066-59100 | 20       | 13       |
|              | 21       | 2        |
| 124080-77520 | 25       | 23 A     |
| 124160-01751 | 2        | 4        |
|              | 5        | 6        |
| 124160-01910 | 1        | 3        |
| 124160-11360 | 5        | 12       |
| 124160-39140 | 14       | 7        |
| 124160-39450 | 14       | 1        |
| 124223-35510 | 13       | 24       |
| 124223-39900 | 14       | 9 -1     |
| 124240-01871 | 2        | 6        |
| 124240-01882 | 2        | 7        |
|              | 26       | 4        |
| 124240-01883 | 2        | 7 -1     |
|              | 26       | 4 -1     |
| 124450-44510 | 17       | 10       |
| 124450-44530 | 17       | 11       |
| 124450-44550 | 17       | 14       |
| 124450-44560 | 17       | 12       |
| 124460-11340 | 6        | 14       |
| 124465-44950 | 17       | 9        |
| 124550-21600 | 11       | 11       |

| Parts No.    | Fig. No. | Ref. No. |
|--------------|----------|----------|
| 124550-51350 | 18       | 20       |
| 124550-51370 | 18       | 21       |
| 124550-59820 | 14       | 3        |
| 124550-66370 | 22       | 35       |
| 124736-07900 | 6        | 38       |
| 124766-59050 | 20       | 18       |
|              |          | 18 -1    |
|              | 21       | 8        |
| 124950-51190 | 18       | 10       |
| 128270-13620 | 14       | 11       |
| 129100-01580 | 3        | 1        |
|              |          | 6        |
|              | 11       | 4 B      |
|              |          | 8        |
| 129100-01640 | 3        | 7        |
| 129100-01790 | 4        | 3        |
| 129100-11100 | 6        | 9        |
| 129100-11130 | 6        | 10       |
| 129100-23910 | 12       | 11       |
| 129100-25061 | 9        | 6        |
| 129100-35140 | 13       | 17       |
| 129100-42001 | 15       | 1        |
| 129100-42002 | 15       | 1 -1     |
| 129100-42020 | 15       | 2        |
|              | 26       | 18       |
| 129100-49050 | 17       | 6        |
| 129100-49800 | 16       | 3        |
| 129100-49820 | 16       | 5        |
| 129100-49830 | 16       | 6        |
| 129100-49840 | 16       | 11       |
|              | 26       | 21       |
| 129100-51300 | 18       | 17       |
| 129100-52200 | 18       | 59       |
| 129100-55621 | 20       | 1        |
| 129100-55650 | 20       | 4        |
| 129100-55670 | 20       | 5        |
| 129100-55680 | 20       | 6        |
| 129100-55690 | 20       | 7        |
| 129100-55700 | 20       | 8        |
| 129100-59951 | 21       | 6        |
| 129100-61400 | 22       | 16       |
| 129100-61440 | 22       | 18       |
| 129100-61450 | 22       | 55       |
| 129100-61650 | 22       | 27 -1    |
| 129100-61820 | 22       | 31       |
| 129100-61821 | 22       | 31 -1    |
| 129100-61930 | 22       | 33       |
| 129100-77330 | 25       | 27       |
| 129100-77500 | 8        | 14       |
| 129100-77510 | 8        | 16       |

| Parts No.    | Fig. No. | Ref. No. |
|--------------|----------|----------|
| 129100-77510 | 26       | 24       |
| 129103-33031 | 13       | 4        |
| 129103-33132 | 13       | 5        |
| 129103-35101 | 13       | 16       |
| 129103-35121 | 13       | 29       |
|              | 26       | 17       |
| 129103-35122 | 13       | 29 -1    |
|              | 26       | 17 -1    |
| 129103-49301 | 15       | 3        |
| 129107-66810 | 23       | 5        |
| 129107-66820 | 23       | 6        |
| 129110-44740 | 15       | 7        |
| 129116-49290 | 17       | 5 -1     |
| 129122-44480 | 17       | 1        |
| 129135-12501 | 7        | 2 -1     |
| 129150-01200 | 1        | 12       |
| 129150-01660 | 3        | 9        |
|              | 26       | 6        |
| 129150-02020 | 1        | 8        |
| 129150-02450 | 1        | 14       |
|              | 9        | 3 A      |
| 129150-02800 | 1        | 9        |
| 129150-02870 | 1        | 16       |
| 129150-02930 | 1        | 10       |
| 129150-02940 | 1        | 17       |
| 129150-03010 | 5        | 1 A      |
| 129150-03070 | 5        | 3        |
| 129150-03080 | 5        | 2        |
| 129150-03100 | 2        | 25       |
|              | 5        | 11       |
| 129150-11050 | 6        | 2        |
| 129150-11230 | 6        | 30       |
| 129150-11280 | 6        | 27       |
| 129150-11370 | 6        | 18       |
| 129150-11750 | 6        | 29       |
| 129150-11810 | 6        | 4        |
| 129150-14101 | 9        | 2        |
| 129150-14200 | 9        | 4        |
| 129150-21200 | 11       | 2        |
| 129150-22300 | 12       | 3        |
| 129150-23600 | 12       | 9 -1     |
| 129150-23610 | 12       | 10       |
| 129150-25101 | 9        | 7        |
| 129150-25900 | 18       | 64       |
| 129150-32020 | 13       | 2        |
|              | 26       | 13       |
| 129150-35040 | 13       | 13       |
| 129150-35041 | 13       | 13 -1    |
| 129150-35091 | 13       | 14       |
| 129150-35150 | 13       | 30       |

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| Parts No.    | Fig. No. | Ref. No. |
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| 129150-49360 | 17       | 16       |
| 129150-49810 | 16       | 10       |
|              | 26       | 20       |
| 129150-49811 | 16       | 10 -1    |
|              | 26       | 20 -1    |
| 129150-59130 | 19       | 11       |
| 129150-59580 | 20       | 14       |
|              | 21       | 5        |
| 129150-77340 | 25       | 24       |
| 129150-77510 | 8        | 17       |
|              | 26       | 23       |
| 129150-77511 | 8        | 17 -1    |
|              | 26       | 23 -1    |
| 129150-91400 | 2        | 22       |
| 129155-11260 | 6        | 25       |
| 129155-11270 | 6        | 26       |
| 129155-49800 | 16       | 9        |
| 129155-51020 | 18       | 54       |
| 129155-51050 | 18       | 3        |
| 129155-51060 | 18       | 4        |
| 129155-51140 | 18       | 7        |
| 129155-51180 | 18       | 9        |
| 129155-51200 | 18       | 11       |
| 129155-51270 | 18       | 15       |
| 129155-51280 | 18       | 16       |
|              | 22       | 1 A      |
| 129155-51320 | 18       | 18       |
| 129155-51340 | 18       | 19       |
| 129155-51370 | 18       | 22       |
| 129155-51380 | 18       | 23       |
| 129155-51390 | 18       | 24       |
| 129155-51410 | 18       | 26       |
| 129155-51420 | 18       | 57       |
| 129155-51450 | 18       | 27       |
| 129155-51521 | 18       | 30       |
| 129155-51530 | 18       | 31       |
| 129155-51540 | 18       | 32       |
| 129155-51550 | 18       | 33       |
| 129155-51570 | 18       | 36       |
| 129155-51580 | 18       | 37       |
| 129155-51591 | 18       | 38       |
| 129155-51600 | 18       | 39       |
| 129155-51790 | 18       | 44       |
| 129155-51930 | 18       | 46       |
| 129155-51940 | 18       | 47       |
| 129155-52020 | 18       | 60       |
| 129155-52050 | 18       | 62       |
| 129155-61010 | 22       | 2        |
| 129155-61011 | 22       | 2 -1     |
| 129155-61050 | 22       | 3        |

| Parts No.    | Fig. No. | Ref. No. |
|--------------|----------|----------|
| 129155-61060 | 22       | 4        |
| 129155-61070 | 22       | 5        |
| 129155-61090 | 22       | 6        |
| 129155-61120 | 22       | 7        |
| 129155-61130 | 22       | 8        |
| 129155-61140 | 22       | 9        |
| 129155-61150 | 22       | 10       |
| 129155-61160 | 22       | 11       |
| 129155-61170 | 22       | 12       |
| 129155-61180 | 22       | 13       |
| 129155-61201 | 22       | 14       |
| 129155-61341 | 22       | 15       |
| 129155-61350 | 22       | 56       |
| 129155-61360 | 22       | 57       |
| 129155-61430 | 22       | 17       |
| 129155-61450 | 22       | 20       |
| 129155-61460 | 22       | 21       |
| 129155-61470 | 22       | 52       |
| 129155-61480 | 22       | 22       |
| 129155-61490 | 22       | 23       |
| 129155-61540 | 22       | 26       |
| 129155-61810 | 22       | 30       |
| 129155-61830 | 22       | 32       |
|              |          | 32 -1    |
|              |          | 32 -2    |
| 129155-61950 | 22       | 34       |
| 129156-51910 | 18       | 45       |
| 129255-52000 | 18       | 61       |
| 129255-61801 | 22       | 29       |
| 129255-61802 | 22       | 29 -1    |
| 129350-49530 | 16       | 1        |
| 129400-01520 | 2        | 5        |
| 129400-01730 | 4        | 5        |
| 129400-11350 | 5        | 1        |
| 129400-12100 | 8        | 1        |
| 129400-13200 | 7        | 11       |
|              | 26       | 25       |
| 129400-13201 | 7        | 11 -1    |
|              | 26       | 25 -1    |
| 129400-77500 | 8        | 15       |
| 129400-77501 | 8        | 15 -1    |
| 129400-92420 | 27       | 1        |
| 129403-13130 | 8        | 9        |
| 129403-18050 | 10       | 1        |
| 129403-18090 | 7        | 13       |
|              | 26       | 11       |
| 129403-18500 | 10       | 5        |
| 129403-18510 | 10       | 6        |
| 129403-18520 | 10       | 7        |
| 129403-18530 | 10       | 8        |

| Parts No.    | Fig. No. | Ref. No. |
|--------------|----------|----------|
| 129403-18530 | 10       | 35       |
| 129403-18540 | 10       | 9        |
|              |          | 36       |
| 129403-18550 | 10       | 10       |
|              |          | 37       |
| 129403-18560 | 10       | 11       |
| 129403-18570 | 10       | 12       |
| 129403-18580 | 10       | 31       |
| 129403-18590 | 10       | 38       |
| 129403-18600 | 10       | 39       |
| 129403-18610 | 10       | 14       |
| 129403-18620 | 10       | 15       |
|              |          | 26       |
|              |          | 40       |
| 129403-18630 | 10       | 16       |
|              |          | 41       |
| 129403-18640 | 10       | 19       |
| 129403-18650 | 10       | 20       |
|              |          | 42       |
| 129403-18660 | 10       | 21       |
|              |          | 43       |
| 129403-18670 | 10       | 23       |
| 129403-18680 | 10       | 24       |
|              |          | 44       |
| 129403-18690 | 10       | 45       |
| 129403-18700 | 10       | 32       |
|              |          | 46       |
| 129403-18710 | 10       | 33       |
|              |          | 47       |
| 129403-18720 | 10       | 2        |
| 129403-18730 | 10       | 17       |
| 129403-18740 | 10       | 27       |
| 129403-18750 | 10       | 3        |
| 129403-18760 | 10       | 28       |
| 129403-18770 | 10       | 4        |
| 129403-18780 | 10       | 13       |
| 129403-18790 | 10       | 18       |
| 129403-18800 | 10       | 22       |
| 129403-18810 | 10       | 25       |
| 129403-18820 | 10       | 30       |
| 129403-18830 | 10       | 34       |
| 129403-39450 | 14       | 8        |
| 129403-39600 | 14       | 12       |
| 129403-39610 | 14       | 13       |
| 129403-42380 | 15       | 6        |
| 129403-49031 | 17       | 2        |
| 129403-49050 | 17       | 3        |
| 129470-11080 | 6        | 20       |
| 129470-11090 | 6        | 21       |
| 129470-51040 | 18       | 2        |

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| 129470-51101 | 18       | 6        |
| 129477-18100 | 10       | 50       |
|              | 26       | 12       |
| 129500-22090 | 12       | 1        |
| 129500-59910 | 19       | 13       |
| 129500-59920 | 19       | 14       |
| 129500-59930 | 19       | 15       |
| 129500-59940 | 19       | 16       |
| 129500-61500 | 22       | 24 -1    |
| 129503-53000 | 19       | 2        |
| 129505-66830 | 23       | 2        |
| 129535-12080 | 8        | 5        |
| 129535-12500 | 7        | 2        |
| 129535-12800 | 7        | 10       |
| 129535-13500 | 7        | 12       |
| 129535-18100 | 10       | 50 -1    |
|              | 26       | 12 -1    |
| 129535-21590 | 11       | 10       |
| 129535-34800 | 13       | 9        |
| 129535-34810 | 13       | 11       |
| 129535-34811 | 13       | 11 -1    |
| 129535-52100 | 20       | 23       |
| 129535-52150 | 20       | 23 A     |
| 129535-59510 | 20       | 24       |
| 129535-66790 | 23       | 1        |
| 129535-77200 | 25       | 1        |
| 129550-11290 | 6        | 23       |
| 129550-11310 | 5        | 9        |
|              | 26       | 8        |
| 129550-12110 | 8        | 2        |
|              | 26       | 9        |
| 129550-12111 | 8        | 2 -1     |
|              | 26       | 9 -1     |
| 129550-13110 | 8        | 8        |
|              | 26       | 10       |
| 129550-14400 | 9        | 5        |
| 129550-59120 | 19       | 10       |
| 129553-32000 | 13       | 1        |
| 129553-35500 | 13       | 19       |
| 129553-35520 | 13       | 20       |
| 129553-35530 | 13       | 21       |
| 129553-35540 | 13       | 22       |
| 129553-39650 | 13       | 33       |
| 129555-01332 | 1        | 13       |
|              | 26       | 2        |
| 129555-11241 | 6        | 22       |
| 129555-51400 | 18       | 25       |
| 129555-51500 | 18       | 28       |
| 129555-51700 | 18       | 40       |
| 129555-51710 | 18       | 41       |

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| 129555-51750 | 18       | 42       |
| 129555-51760 | 18       | 43       |
| 129555-59510 | 20       | 20       |
| 129566-66880 | 23       | 3        |
| 129566-66890 | 23       | 4        |
| 129792-39410 | 13       | 32       |
| 129795-01780 | 3        | 8        |
| 129795-01800 | 2        | 2        |
| 129795-01950 | 2        | 8        |
| 129795-02411 | 1        | 11       |
| 129795-11120 | 6        | 11       |
| 129795-11180 | 6        | 12       |
| 129795-21661 | 11       | 6        |
| 129795-49550 | 16       | 2        |
|              | 26       | 19       |
| 129795-49551 | 16       | 2 -1     |
|              | 26       | 19 -1    |
| 135210-61090 | 22       | 59       |
| 160970-77350 | 24       | 25       |
| 171051-01921 | 1        | 2        |
| 171061-12520 | 7        | 4        |
| 171301-01640 | 4        | 2        |
| 171301-21650 | 11       | 5        |
| 171340-77520 | 8        | 18       |
| 171350-03090 | 5        | 10       |
| 171353-44760 | 15       | 8        |
| 171353-61051 | 22       | 24       |
| 171353-61550 | 22       | 19       |
| 171353-61652 | 22       | 27       |
| 171353-61670 | 22       | 53       |
| 171353-61680 | 22       | 54       |
| 171353-61710 | 22       | 28       |
| 171440-01600 | 3        | 2        |
| 174307-51170 | 18       | 8        |
| 174307-51560 | 18       | 35       |
| 174307-51700 | 22       | 25       |
| 194990-22050 | 7        | 14       |
|              | 10       | 51 -1    |
| 22117-040000 | 22       | 36       |
|              |          | 36 -1    |
| 22117-080000 | 23       | 7        |
| 22190-100000 | 22       | 37       |
| 22213-080000 | 10       | 52       |
| 22217-050000 | 18       | 48       |
|              | 22       | 38       |
|              | 25       | 21       |
| 22217-060000 | 18       | 49       |
| 22217-120000 | 18       | 65       |
| 22272-000040 | 22       | 39       |
| 22272-000060 | 22       | 40       |

| Parts No.    | Fig. No. | Ref. No. |
|--------------|----------|----------|
| 22273-000040 | 10       | 29       |
|              |          | 48       |
| 22287-120000 | 22       | 41       |
| 22351-030010 | 13       | 34       |
| 22351-030016 | 22       | 42       |
| 22351-040010 | 11       | 3        |
| 22351-050010 | 18       | 50       |
| 22351-060012 | 6        | 19       |
| 22360-040000 | 22       | 43       |
| 22360-080000 | 23       | 8        |
| 22372-040000 | 22       | 43 -1    |
| 22451-060000 | 22       | 60       |
| 22512-070140 | 9        | 3        |
|              | 11       | 4        |
| 23000-013000 | 20       | 22       |
| 23000-016000 | 17       | 7        |
| 23000-022000 | 14       | 14       |
|              | 17       | 4        |
| 23000-054000 | 8        | 6        |
| 23000-060000 | 8        | 7        |
| 23061-070230 | 17       | 13       |
| 23080-012000 | 10       | 49       |
| 23297-080081 | 14       | 9        |
| 23414-050000 | 22       | 44       |
| 23414-080000 | 14       | 6        |
| 23414-100000 | 14       | 5        |
| 23414-120000 | 21       | 3        |
| 23414-180000 | 13       | 27       |
| 23871-010000 | 1        | 4        |
| 23871-020000 | 13       | 28       |
| 23871-030000 | 6        | 6        |
|              | 8        | 4        |
|              | 16       | 7        |
| 23887-100002 | 22       | 45       |
| 24101-063033 | 18       | 51       |
| 24101-063034 | 18       | 51 -1    |
| 24190-130001 | 13       | 23       |
| 24311-000120 | 5        | 14       |
| 24311-000160 | 2        | 10       |
|              | 20       | 10       |
| 24311-000200 | 13       | 6        |
|              | 26       | 15       |
| 24311-000210 | 13       | 7        |
|              | 26       | 16       |
| 24311-000320 | 2        | 11       |
|              | 5        | 7 -1     |
|              | 26       | 3        |
| 24311-240100 | 13       | 12       |
|              | 20       | 11       |
|              | 22       | 58       |

| Parts No.    | Fig. No. | Ref. No. |
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| 24314-000160 | 14       | 15       |
| 24321-000350 | 5        | 15       |
| 24321-000550 | 13       | 8        |
|              | 26       | 14       |
| 24321-000650 | 20       | 12       |
|              | 26       | 22       |
| 24341-000160 | 18       | 52       |
| 24341-000240 | 2        | 23       |
|              | 4        | 4        |
| 24341-000500 | 5        | 4        |
|              | 26       | 7        |
| 26014-080252 | 25       | 28       |
| 26022-050102 | 18       | 55       |
|              | 22       | 48       |
|              |          | 48 -1    |
| 26022-060162 | 18       | 56       |
| 26106-060162 | 2        | 24       |
|              | 14       | 16       |
| 26106-060202 | 22       | 46       |
| 26106-060352 | 15       | 9        |
| 26106-080102 | 14       | 10       |
| 26106-080122 | 2        | 12       |
|              | 23       | 9        |
|              |          | 10       |
| 26106-080142 | 6        | 39       |
| 26106-080162 | 1        | 15       |
|              | 2        | 13       |
|              |          | 14       |
|              | 4        | 6        |
|              | 5        | 5        |
| 26106-080202 | 2        | 15       |
|              | 16       | 12       |
| 26106-080252 | 4        | 7        |
|              | 6        | 36       |
|              | 16       | 13       |
| 26106-080302 | 3        | 10       |
| 26106-080352 | 3        | 11       |
|              | 8        | 3        |
|              | 13       | 15       |
| 26106-080452 | 2        | 16       |
|              | 4        | 8        |
|              | 9        | 9        |
| 26106-080502 | 4        | 9        |
|              | 6        | 37       |
|              | 16       | 14       |
| 26106-080552 | 2        | 17       |
|              | 8        | 19       |
| 26106-080602 | 15       | 4        |
|              | 16       | 15       |
| 26106-080652 | 8        | 10       |

| Parts No.    | Fig. No. | Ref. No. |
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| 26106-080752 | 13       | 31       |
| 26106-080802 | 20       | 15       |
| 26106-080852 | 2        | 18       |
|              | 8        | 11       |
| 26106-080952 | 8        | 20       |
| 26106-081002 | 8        | 12       |
| 26106-081202 | 25       | 25       |
| 26116-050102 | 23       | 11       |
| 26116-050122 | 25       | 14       |
|              |          | 19       |
|              |          | 22       |
| 26116-050302 | 18       | 53       |
| 26116-060162 | 16       | 8        |
| 26116-120252 | 24       | 1        |
| 26206-100252 | 3        | 4        |
| 26206-100302 | 3        | 5        |
| 26216-060202 | 6        | 16       |
| 26216-080222 | 8        | 13       |
| 26226-080182 | 6        | 31       |
| 26366-060002 | 6        | 17       |
| 26366-080002 | 2        | 19       |
|              | 10       | 51       |
|              | 22       | 47       |
|              | 25       | 26       |
| 26450-060252 | 13       | 3        |
| 26687-120002 | 22       | 33 -1    |
| 26713-080002 | 10       | 51 -2    |
| 26716-060002 | 18       | 29       |
| 26716-120002 | 18       | 66       |
| 26756-050002 | 25       | 23       |
| 26756-060002 | 22       | 49       |
| 26756-080002 | 6        | 32       |
| 26776-120002 | 22       | 50       |
| 27231-500000 | 1        | 5        |
| 27241-120000 | 1        | 6        |
| 27241-220000 | 6        | 7        |
| 27241-300000 | 1        | 7        |
| 27241-400000 | 6        | 8        |
| 27310-080001 | 6        | 13 -1    |
| 43400-500390 | 22       | 44 -1    |
| 43400-500410 | 2        | 20       |
|              |          | 21       |
|              | 14       | 4        |
| 43400-500430 | 22       | 37 -1    |
| 43400-500450 | 22       | 51       |
| 43400-500490 | 18       | 58       |
| 46120-500821 | 24       | 2        |
| 719810-01500 | 2        | 1        |
| 729150-11650 | 6        | 28       |
| 729150-23600 | 12       | 9        |

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| 729402-01540 | 4        | 1 -1<br>1 -3 |
| 729402-11650 | 6        | 28 -1        |
| 729402-14580 | 9        | 1            |
| 729403-11700 | 6        | 1            |
| 729488-01540 | 4        | 1            |
| 729500-01560 | 1        | 1            |
| 729500-21700 | 11       | 1 -2         |
| 729500-22910 | 12       | 5            |
| 729503-53100 | 19       | 1            |
| 729535-51360 | 18       | 1            |
| 729535-92600 | 26       | 1            |
| 729535-92601 | 26       | 1 -1         |
| 729535-92602 | 26       | 1 -2         |
| 729550-22500 | 12       | 2            |
| 729550-22950 | 12       | 6            |
| 729550-23700 | 12       | 7            |
| 729577-01720 | 4        | 1 -2         |
| X21201115    | 24       | 4            |
| X21204401    | 24       | 15           |
| X21301310    | 24       | 13<br>18     |
| X21301827    | 24       | 23           |
| X21302605    | 24       | 19           |
| X21302610    | 24       | 20           |
| X21303400    | 24       | 14           |
| X21304313    | 24       | 10           |
| X22501324    | 24       | 11           |
| X22502323    | 24       | 9            |
| X225031001   | 24       | 3            |
| X22503820    | 24       | 22           |
| X22504305    | 24       | 8            |
| X22504322    | 24       | 7            |
| X225047002   | 24       | 21           |
| X225052001   | 24       | 6            |
| X22506105    | 24       | 5            |
| X225073012   | 24       | 12           |
| X225075004   | 24       | 16           |
| X225086005   | 24       | 17           |