

0CV10-M68001EN

# PREFACE

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNE68 - BE engine manufactured since June, 1999 & 3TNE68 - EBE engine manufactured since September, 2000.

## 2. Parts catalog history

|             | Parts catalog No. | Published | Remarks            |
|-------------|-------------------|-----------|--------------------|
| 1st edition | 000Y00V6800       | 1999/ 9   | Disuse old edition |
| 1st revised | 000Y00V6801       | 2000/10   |                    |

## 3. Model name

| Column | Model name   | Manufactured | E/#     |
|--------|--------------|--------------|---------|
| (A)    | 3TNE68 - BE  | 1999/ 6 ~    | 63844 ~ |
| (B)    | 3TNE68 - EBE | 2000/ 9 ~    | 69127 ~ |

4. Each illustration corresponds to the parts list on the following page.

5. When ordering parts, clearly write down the engine model and serial number, as well as the name and number of each part in your order sheet. This will help insure reliable delivery of the parts you have ordered.

## 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)

1

REF.

2

LEV.

PARTS NO.

DESCRIPTION

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

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

Q'TY

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

3

I

5

R

|     |   |                                                        |                     |   |   |   |   |   |  |     |
|-----|---|--------------------------------------------------------|---------------------|---|---|---|---|---|--|-----|
| 1   | 1 | 729595-51390                                           | FUEL INJECTION PUMP | 1 | 1 | 1 | 1 | 1 |  | 1   |
| 1-1 | 1 | 729595-51391                                           | FUEL INJECTION PUMP | 1 | 1 | 1 | 1 | 1 |  | N 1 |
|     |   | (A=E00185) (B=E00200)                                  |                     |   |   |   |   |   |  |     |
| 3   | 2 | 26022-060162                                           | SCREW M 6X 16       | 9 | 9 | 9 | 9 | 9 |  |     |
| 3-1 | 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 $\xrightarrow{\text{No}}$   | New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part. |
| Q      | Old $\xrightarrow{\text{No}}$ New<br>Yes $\xrightarrow{\text{Yes}}$  | New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part. |
| R      | Old $\xrightarrow{\text{Yes}}$ New<br>Yes $\xrightarrow{\text{Yes}}$ | New/ Old Parts are both interchangeable.                                                   |
| S      | Old $\xrightarrow{\text{No}}$ New<br>No $\xrightarrow{\text{No}}$    | New/ Old Parts are both not interchangeable.                                               |
| W      |                                                                      | Part newly added.                                                                          |
| Z      |                                                                      | Part discontinued.                                                                         |
| F      |                                                                      | Not interchangeable by a single part but interchangeable together with related parts.      |
| K      |                                                                      | Changes only for used parts quantities.                                                    |

### ④ Effective Machine No.

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

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

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

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

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

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

## 1. CYLINDER BLOCK



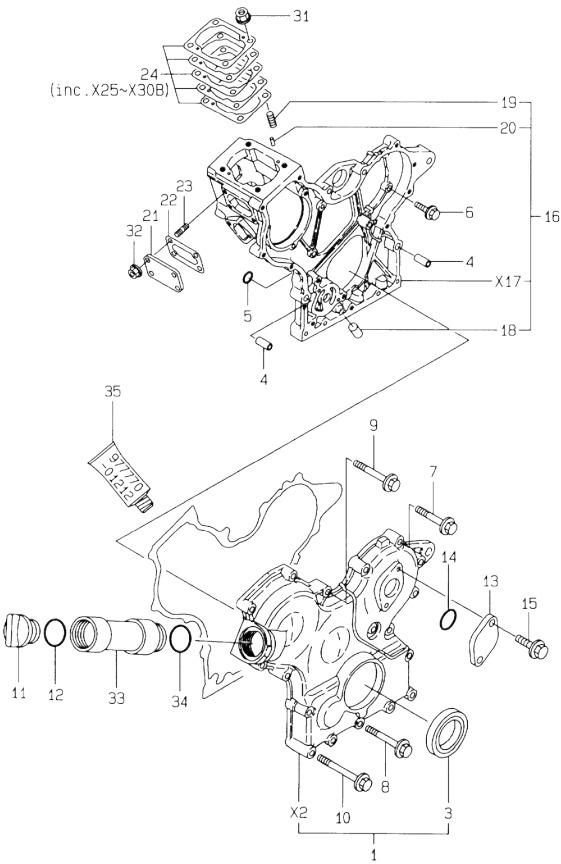
N:Old  $\xleftrightarrow[\text{No}]{\text{Yes}}$  New, Q:Old  $\xleftrightarrow[\text{Yes}]{\text{No}}$  New, R:Old  $\xleftrightarrow[\text{Yes}]{\text{Yes}}$  New, S:Old  $\xleftrightarrow[\text{No}]{\text{No}}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.2. GEAR HOUSING

2.GEAR HOUSING



| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 119260-01590 | COVER ASSY,GEAR CASE | 1    | 1   |     |     |     |     |   |   |
| 3   | 2    | 119620-01800 | SEAL, OIL            | 1    | 1   |     |     |     |     |   |   |
| 4   | 1    | 119660-01911 | PIPE, KNOCK          | 4    | 4   |     |     |     |     |   |   |
| 5   | 1    | 119624-32040 | O-RING, P12.0        | 2    | 2   |     |     |     |     |   |   |
| 6   | 1    | 26106-060162 | BOLT, M6X 16 PLATED  | 5    | 5   |     |     |     |     |   |   |
| 7   | 1    | 26106-060302 | BOLT, M6X 30 PLATED  | 5    | 5   |     |     |     |     |   |   |
| 8   | 1    | 26106-060402 | BOLT, M6X 40 PLATED  | 3    | 3   |     |     |     |     |   |   |
| 9   | 1    | 26106-060502 | BOLT, M6X 50 PLATED  | 4    | 4   |     |     |     |     |   |   |
| 10  | 1    | 26106-060652 | BOLT, M6X 65 PLATED  | 6    | 6   |     |     |     |     |   |   |
| 11  | 1    | 124160-01751 | COVER, FILLER        | 1    | 1   |     |     |     |     |   |   |
| 12  | 1    | 24311-000320 | O-RING, 1AP32.0      | 1    | 1   |     |     |     |     |   |   |
| 13  | 1    | 121023-01550 | COVER                | 1    | 1   |     |     |     |     |   |   |
| 14  | 1    | 24341-000240 | O-RING, 1AS24.0      | 1    | 1   |     |     |     |     |   |   |
| 15  | 1    | 26106-060162 | BOLT, M6X 16 PLATED  | 2    | 2   |     |     |     |     |   |   |
| 16  | 1    | 119260-01490 | CASE ASSY, GEAR      | 1    | 1   |     |     |     |     |   |   |
| 18  | 2    | 119260-01510 | PLUG                 | 1    | 1   |     |     |     |     |   |   |
| 19  | 2    | 121450-01560 | STUD, M8X22          | 4    | 4   |     |     |     |     |   |   |
| 20  | 2    | 22351-040010 | PIN, SPRING 4.0X10   | 2    | 2   |     |     |     |     |   |   |
| 21  | 1    | 119660-01551 | COVER                | 1    | 1   |     |     |     |     |   |   |
| 22  | 1    | 119660-01562 | GASKET               | 1    | 1   |     |     |     |     |   |   |
| 23  | 1    | 119660-01570 | STUD, M6X12          | 4    | 4   |     |     |     |     |   |   |
| 24  | 1    | 119623-01950 | SHIM SET, ADJUSTING  | 1    | 1   |     |     |     |     |   |   |
| 31  | 1    | 194990-22050 | NUT, M8              | 4    | 4   |     |     |     |     |   |   |
| 32  | 1    | 26366-060002 | NUT, M6              | 4    | 4   |     |     |     |     |   |   |
| 33  | 1    | 171031-11741 | PIPE                 | 1    | 1   |     |     |     |     |   |   |
| 34  | 1    | 24311-000320 | O-RING, 1AP32.0      | 1    | 1   |     |     |     |     |   |   |
| 35  | 1    | 977770-01212 | GASKET, LIQUID       | 1    | 1   |     |     |     |     |   | 1 |

Remarks  
(1) OPTIONAL PART.

N:Old  $\frac{YES}{NO}$  New, Q:Old  $\frac{YES}{NO}$  New, R:Old  $\frac{YES}{NO}$  New, S:Old  $\frac{YES}{NO}$  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change  
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Fig.3. MOUNTING FLANGE & OIL SUMP

This exploded view diagram illustrates the assembly of a 1.6L 16V engine. The components are numbered as follows:

- 1**: Engine block with three intake ports on top.
- 2**: Cylinder head cover.
- 3**: Bolt for the cylinder head cover.
- 4**: Timing belt cover (front).
- 5**: Timing belt.
- 6**: Timing belt tensioner pulley (labeled X6).
- 7**: Timing belt guide pulley.
- 8**: Bolt for the timing belt cover.
- 9**: Oil pan.
- 10**: Oil filter.
- 11**: Oil filter cap.
- 12**: Oil filter cap gasket (labeled X12).
- 13**: Oil filter cap bolt.
- 14**: Bolt for the oil pan.
- 15**: Bolt for the oil pan.
- 16**: Two types of bolts: one with a hex head and one with a square head, both labeled with the part number 977770-01212.

Remarks  
(1) OPTIONAL PART.

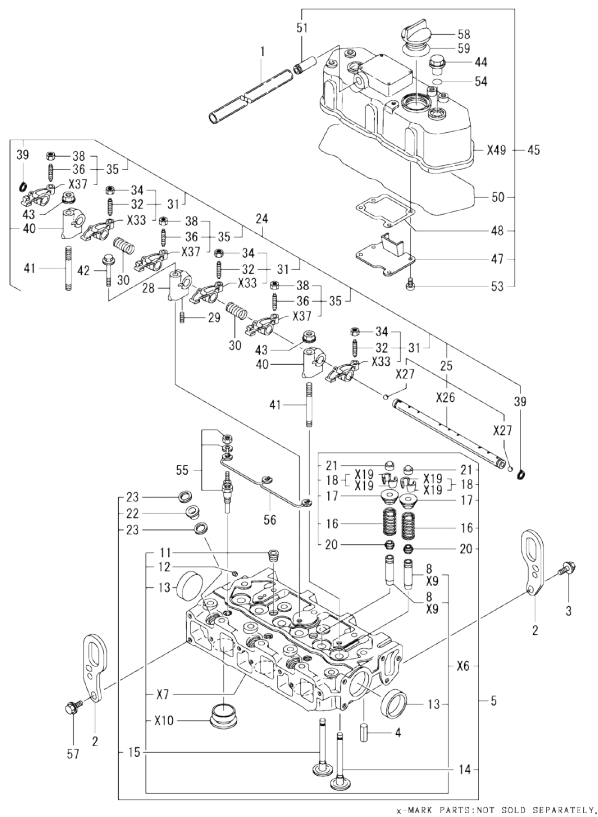
| No. | Lev. | Parts No.    | Description          | (A) | (B) | (C) | (D) | (E) | (F) | I | R |
|-----|------|--------------|----------------------|-----|-----|-----|-----|-----|-----|---|---|
| 1   | 1    | 129100-01580 | PIN, M8X16           | 2   | 2   |     |     |     |     |   |   |
| 2   | 1    | 119621-01611 | FLANGE, MOUNTING     | 1   | 1   |     |     |     |     |   |   |
| 3   | 1    | 26116-100202 | BOLT, M10X 20 PLATED | 8   | 8   |     |     |     |     |   |   |
| 4   | 1    | 119620-01620 | PIN, M6X10           | 2   | 2   |     |     |     |     |   |   |
| 5   | 1    | 119660-01640 | CASE ASSY, OIL SEAL  | 1   | 1   |     |     |     |     |   |   |
| 7   | 2    | 124085-02220 | SEAL, OIL            | 1   | 1   |     |     |     |     |   |   |
| 8   | 1    | 26106-060222 | BOLT, M6X 22 PLATED  | 10  | 10  |     |     |     |     |   |   |
| 9   | 1    | 119454-01721 | SPACER, OIL SUMP     | 1   | 1   |     |     |     |     |   |   |
| 10  | 1    | 119260-01770 | SUMP ASSY, OIL       | 1   | 1   |     |     |     |     |   |   |
| 11  | 2    | 121400-01640 | PLUG, 16             | 1   | 1   |     |     |     |     |   |   |
| 13  | 2    | 24311-000180 | O-RING, 1AP18.0      | 1   | 1   |     |     |     |     |   |   |
| 14  | 1    | 26106-060102 | BOLT, M6x 10 PLATED  | 3   | 3   |     |     |     |     |   |   |
| 15  | 1    | 26106-060452 | BOLT, M6X 45 PLATED  | 20  | 20  |     |     |     |     |   |   |
| 16  | 1    | 977770-01212 | GASKET, LIQUID       | 1   | 1   |     |     |     |     |   | 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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OCV10-M68001

Fig.4. CYLINDER HEAD & BONNET



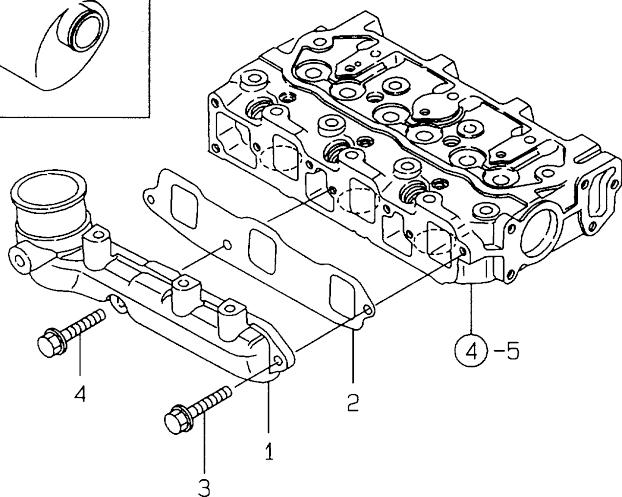
x-MARK PARTS:NOT SOLD SEPARATELY.

| No.        | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|------------|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|            |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1          | 1    | 23065-120700 | PIPE, 12X 700        | 1    | 1   |     |     |     |     |   |   |
| 2          | 1    | 119260-07900 | LIFTER               | 2    | 2   |     |     |     |     |   |   |
| 3          | 1    | 26106-080142 | BOLT, M8X 14 PLATED  | 1    | 1   |     |     |     |     |   |   |
| 4          | 1    | 22351-060012 | PIN, SPRING 6.0X12   | 2    | 2   |     |     |     |     |   |   |
| 5          | 1    | 119265-11700 | HEAD ASSY, CYLINDER  | 1    | 1   |     |     |     |     |   |   |
| 8          | 3    | 119260-11800 | GUIDE, VALVE         | 6    | 6   |     |     |     |     |   | 1 |
| 11         | 3    | 23876-030000 | PLUG, R03            | 2    | 2   |     |     |     |     |   |   |
| 12         | 3    | 27221-050080 | PLUG, 5X 8           | 1    | 1   |     |     |     |     |   |   |
| 13         | 3    | 27241-350000 | PLUG, 35             | 2    | 2   |     |     |     |     |   |   |
| 14         | 2    | 119260-11100 | VALVE, INTAKE        | 3    | 3   |     |     |     |     |   |   |
| 15         | 2    | 119260-11110 | VALVE, EXHAUST       | 3    | 3   |     |     |     |     |   |   |
| 16         | 2    | 114250-11120 | SPRING, VALVE        | 6    | 6   |     |     |     |     |   |   |
| 17         | 2    | 114250-11180 | RETAINER, SPRING     | 6    | 6   |     |     |     |     |   |   |
| 18         | 2    | 714250-11570 | COTTER ASSY          | 6    | 6   |     |     |     |     |   |   |
| 20         | 2    | 119260-11340 | SEAL, VALVE STEM     | 6    | 6   |     |     |     |     |   |   |
| 21         | 2    | 119260-11370 | CAP VALVE            | 6    | 6   |     |     |     |     |   |   |
| 22         | 2    | 119600-11450 | PROTECTOR, NOZZLE    | 3    | 3   |     |     |     |     |   |   |
| 23         | 2    | 119600-11460 | GASKET, NOZZLE       | 6    | 6   |     |     |     |     |   |   |
| 24         | 1    | 119260-11200 | SUPPORT ASSY, ARM    | 1    | 1   |     |     |     |     |   |   |
| 25         | 2    | 119260-11240 | SHAFT ASSY, ROCKER   | 1    | 1   |     |     |     |     |   |   |
| 28         | 2    | 119260-11260 | SUPPORT, ROCKER ARM  | 1    | 1   |     |     |     |     |   |   |
| 29         | 2    | 119260-11270 | SCREW                | 1    | 1   |     |     |     |     |   |   |
| 30         | 2    | 119260-11280 | SPRING               | 2    | 2   |     |     |     |     |   |   |
| 31         | 2    | 719260-11650 | ARM ASSY, ROCKER     | 3    | 3   |     |     |     |     |   |   |
| 32         | 3    | 105010-11230 | SCREW, VALVE ADJUST  | 3    | 3   |     |     |     |     |   |   |
| 34         | 3    | 26756-060002 | NUT, LOCK M6         | 3    | 3   |     |     |     |     |   |   |
| 35         | 2    | 719260-11660 | ARM ASSY, ROCKER     | 3    | 3   |     |     |     |     |   |   |
| 36         | 3    | 105010-11230 | SCREW, VALVE ADJUST  | 3    | 3   |     |     |     |     |   |   |
| 38         | 3    | 26756-060002 | NUT, LOCK M6         | 3    | 3   |     |     |     |     |   |   |
| 39         | 2    | 22242-000100 | RING, 10             | 2    | 2   |     |     |     |     |   |   |
| 40         | 2    | 119265-11260 | SUPPORT, ROCKER ARM  | 2    | 2   |     |     |     |     |   |   |
| 41         | 1    | 119620-11350 | STUD                 | 2    | 2   |     |     |     |     |   |   |
| 42         | 1    | 26106-080452 | BOLT, M8X 45 PLATED  | 1    | 1   |     |     |     |     |   |   |
| 43         | 1    | 26366-080002 | NUT, M8              | 2    | 2   |     |     |     |     |   |   |
| 44         | 1    | 124160-11360 | KNOB                 | 2    | 2   |     |     |     |     |   |   |
| 45         | 1    | 119260-11330 | BONNET ASSY, HEAD    | 1    |     |     |     |     |     |   |   |
| 45-1       | 1    | 119260-11331 | BONNET ASSY, HEAD    | 1    | 1   |     |     |     |     |   | N |
| (A=E65025) |      |              |                      |      |     |     |     |     |     |   |   |
| 47         | 2    | 119260-03020 | PLATE, SHELTER       | 1    | 1   |     |     |     |     |   |   |
| 48         | 2    | 119260-03031 | GASKET               | 1    | 1   |     |     |     |     |   |   |
| 50         | 2    | 119260-11310 | GASKET, BONNET       | 1    | 1   |     |     |     |     |   |   |
| 51         | 2    | 118400-03060 | JOINT, BREATHER      | 1    | 1   |     |     |     |     |   |   |
| 53         | 2    | 22857-500100 | SCREW, 5X10          | 4    | 4   |     |     |     |     |   |   |
| 54         | 1    | 24311-000120 | O-RING, 1AP12.0      | 2    | 2   |     |     |     |     |   |   |
| 55         | 1    | 129795-77800 | PLUG, GLOW           | 3    | 3   |     |     |     |     |   |   |
| 56         | 1    | 119620-77820 | CONNECTOR, GLOW PLUG | 1    | 1   |     |     |     |     |   |   |
| 57         | 1    | 26106-080142 | BOLT, M8X 14 PLATED  | 2    | 2   |     |     |     |     |   |   |
| 58         | 1    | 124160-01751 | COVER, FILLER        | 1    | 1   |     |     |     |     |   |   |
| 59         | 1    | 24311-000320 | O-RING, 1AP32.0      | 1    | 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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LOOSE PART

5



|     |      |                            |                      | (A)=3TNE68-BE<br>(B)=3TNE68-EBE<br>(C)= | (D)=<br>(E)=<br>(F)= | Q'ty |     |     |     |  |  | I | R |
|-----|------|----------------------------|----------------------|-----------------------------------------|----------------------|------|-----|-----|-----|--|--|---|---|
| No. | Lev. | Parts No.                  | Description          | (A)                                     | (B)                  | (C)  | (D) | (E) | (F) |  |  |   |   |
| 1   | 1    | 119270-12100               | MANIFOLD, AIR INTAKE | 1                                       |                      |      |     |     |     |  |  |   |   |
| 1-1 | 1    | 119275-12101<br>(A=E65051) | MANIFOLD, AIR INTAKE | 1                                       | 1                    |      |     |     |     |  |  |   | R |
| 2   | 1    | 119270-12110               | GASKET, MANIFOLD     | 1                                       | 1                    |      |     |     |     |  |  |   |   |
| 3   | 1    | 26106-060162               | BOLT, M6x 16 PLATED  | 2                                       | 2                    |      |     |     |     |  |  |   |   |
| 4   | 1    | 26106-060282               | BOLT, M6x 28 PLATED  | 1                                       | 1                    |      |     |     |     |  |  |   |   |
| 5   | 1    | 121855-12060               | SILENCER ASSY        | 1                                       | 1                    |      |     |     |     |  |  |   |   |

This diagram shows the exploded view of the engine head assembly. The components are numbered as follows:

- 1**: The main engine head casting, shown at the bottom left.
- 2**: A gasket or seal ring, shown below the head.
- 3**: A long threaded bolt, shown in the center.
- 4**: A shorter threaded bolt, shown to the right of the main bolt.
- 5**: A small nut or washer, shown at the top right.
- 6**: A square flange or plate, shown to the right of the main bolt.
- 7**: A small nut or washer, shown to the right of the flange.

[illegible]

Exploded view diagram of the 3TNE68-EBE engine assembly. The diagram shows the cylinder block (1) and the crankshaft (2) with various components and gears. The components are numbered as follows:

- 1: Cylinder block
- 2: Crankshaft
- 3: Piston pin
- 4: Piston pin bush
- 5: Piston pin bush
- 6: Piston pin bush
- 7: Piston pin bush
- 8: Piston pin bush
- 9: Piston pin bush
- 10: Piston pin bush
- 11: Piston pin bush
- 12: Piston pin bush
- 13: Piston pin bush
- 14: Piston pin bush
- 15: Piston pin bush
- 16: Piston pin bush
- 17: Piston pin bush
- 18: Piston pin bush
- 19: Piston pin bush
- 20: Piston pin bush
- 21: Piston pin bush
- 22: Piston pin bush
- 23: Piston pin bush
- 24: Piston pin bush
- 25: Piston pin bush
- 26: Piston pin bush
- 27: Piston pin bush
- 28: Piston pin bush
- 29: Piston pin bush
- 30: Piston pin bush
- 31: Piston pin bush
- 32: Piston pin bush
- 33: Piston pin bush
- 34: Piston pin bush
- 35: Piston pin bush
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- 100: Piston pin bush

3TNE68-EBE

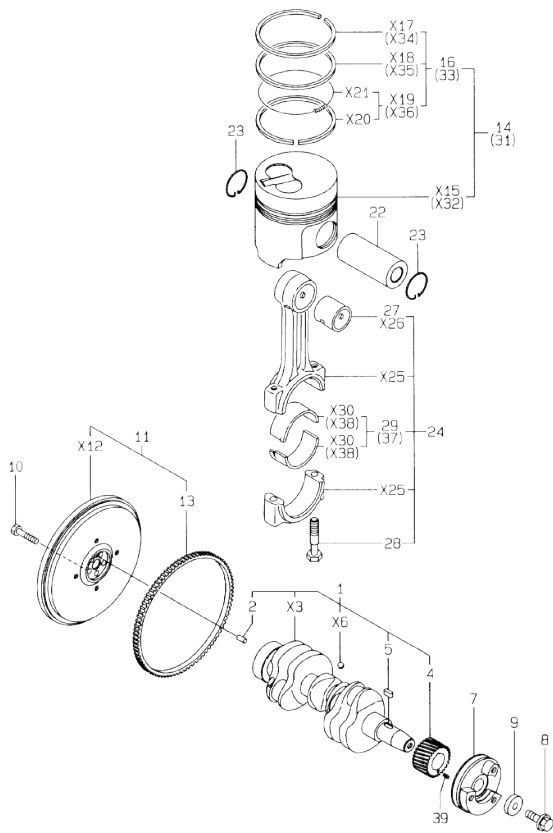
| No. | Lev. | Parts No.    | Description         | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|---------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                     | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 119260-14200 | TAPPET              | 6    | 6   |     |     |     |     |   |   |
| 2   | 1    | 119260-14400 | ROD, PUSH           | 6    | 6   |     |     |     |     |   |   |
| 3   | 1    | 119260-14580 | CAMSHAFT ASSY       | 1    | 1   |     |     |     |     |   |   |
| 4   | 2    | 119620-02450 | BEARING, THRUST     | 1    | 1   |     |     |     |     |   |   |
| 6   | 2    | 119260-14100 | GEAR, CAMSHAFT      | 1    | 1   |     |     |     |     |   |   |
| 7   | 2    | 22512-040120 | KEY, 4X 12          | 1    | 1   |     |     |     |     |   |   |
| 8   | 1    | 119660-25022 | RETAINER            | 1    | 1   |     |     |     |     |   |   |
| 9   | 1    | 119660-25052 | SHAFT, IDLE         | 1    | 1   |     |     |     |     |   |   |
| 10  | 1    | 119260-25100 | GEAR ASSY, IDLE     | 1    | 1   |     |     |     |     |   |   |
| 12  | 2    | 119620-25912 | BUSH                | 1    | 1   |     |     |     |     |   | 1 |
| 14  | 1    | 22242-000200 | RING, 20            | 1    | 1   |     |     |     |     |   |   |
| 15  | 1    | 26106-060122 | BOLT, M6X 12 PLATED | 3    | 3   |     |     |     |     |   |   |
| 16  | 1    | 119660-01821 | BEARING, FUEL CAM   | 1    | 1   |     |     |     |     |   |   |
| 17  | 1    | 119225-14200 | CAM ASSY            | 1    |     |     |     |     |     |   |   |
| 20  | 2    | 22512-040120 | KEY, 4X 12          | 1    |     |     |     |     |     |   |   |
| 21  | 2    | 24102-063034 | BEARING, BALL 6303U | 1    |     |     |     |     |     |   |   |
| 22  | 1    | 24101-062034 | BEARING, BALL 6203  | 1    | 1   |     |     |     |     |   |   |
| 23  | 1    | 26106-060162 | BOLT, M6X 16 PLATED | 3    | 3   |     |     |     |     |   |   |
| 24  | 1    | 26587-080102 | SCREW, M8X10        | 1    | 1   |     |     |     |     |   |   |
| 25  | 1    | 119225-14210 | CAM ASSY            | 1    |     |     |     |     |     |   |   |
| 28  | 2    | 119660-25920 | FLANGE              | 1    |     |     |     |     |     |   |   |
| 29  | 2    | 119660-25930 | BOLT                |      | 4   |     |     |     |     |   |   |
| 30  | 2    | 22512-040120 | KEY, 4X 12          |      | 1   |     |     |     |     |   |   |
| 31  | 2    | 24102-063034 | BEARING, BALL 6303U |      | 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:Qty Change

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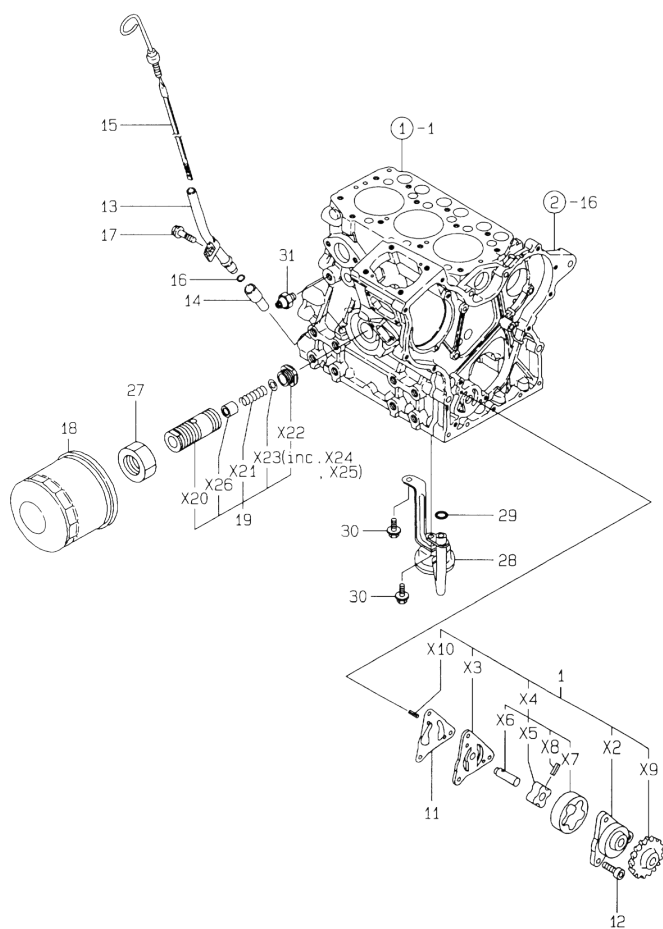
Fig.8. CRANKSHAFT & PISTON

B. CRANKSHAFT & PISTON



| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 119265-21700 | CRANKSHAFT ASSY      | 1    | 1   |     |     |     |     |   |   |
| 2   | 2    | 129100-01580 | PIN, M8X16           | 1    | 1   |     |     |     |     |   |   |
| 4   | 2    | 119260-21200 | GEAR, CRANKSHAFT     | 1    | 1   |     |     |     |     |   |   |
| 5   | 2    | 22512-040120 | KEY, 4X 12           | 1    | 1   |     |     |     |     |   |   |
| 7   | 1    | 119233-21691 | V-PULLEY             | 1    | 1   |     |     |     |     |   |   |
| 8   | 1    | 119621-21680 | BOLT, FLANGE 12X1.25 | 1    | 1   |     |     |     |     |   |   |
| 9   | 1    | 119620-21941 | WASHER               | 1    | 1   |     |     |     |     |   |   |
| 10  | 1    | 119620-21500 | BOLT, FLYWHEEL       | 5    | 5   |     |     |     |     |   |   |
| 11  | 1    | 119265-21560 | FLYWHEEL ASSY        | 1    | 1   |     |     |     |     |   |   |
| 13  | 2    | 124060-21600 | GEAR, RING           | 1    | 1   |     |     |     |     |   |   |
| 14  | 1    | 119265-22601 | PISTON ASSY          | 3    | 3   |     |     |     |     |   |   |
| 16  | 2    | 119265-22500 | RING SET, PISTON     | 3    | 3   |     |     |     |     |   |   |
| 22  | 1    | 119265-22300 | PIN, PISTON          | 3    | 3   |     |     |     |     |   |   |
| 23  | 1    | 22252-000200 | RING, 20             | 6    | 6   |     |     |     |     |   |   |
| 24  | 1    | 119265-23100 | ROD ASSY, CONNECTING | 3    | 3   |     |     |     |     |   |   |
| 27  | 2    | 119260-23910 | BEARING, PISTON PIN  | 3    | 3   |     |     |     |     |   | 1 |
| 28  | 2    | 119265-23200 | BOLT, CONNECTING ROD | 6    | 6   |     |     |     |     |   |   |
| 29  | 2    | 719260-23600 | BEARING, CRANK PIN   | 3    | 3   |     |     |     |     |   |   |
| 31  | 1    | 119265-22930 | PISTON ASSY, 0.25 OS | 3    | 3   |     |     |     |     |   | 2 |
| 33  | 2    | 119265-22950 | RING SET, 0.25 OS    | 3    | 3   |     |     |     |     |   | 2 |
| 37  | 1    | 719260-23610 | BEARING ASSY, 0.25   | 3    | 3   |     |     |     |     |   | 3 |
| 39  | 1    | 22351-030010 | PIN, SPRING 3.0X10   | 1    | 1   |     |     |     |     |   |   |

## 9.LUB.OIL SYSTEM



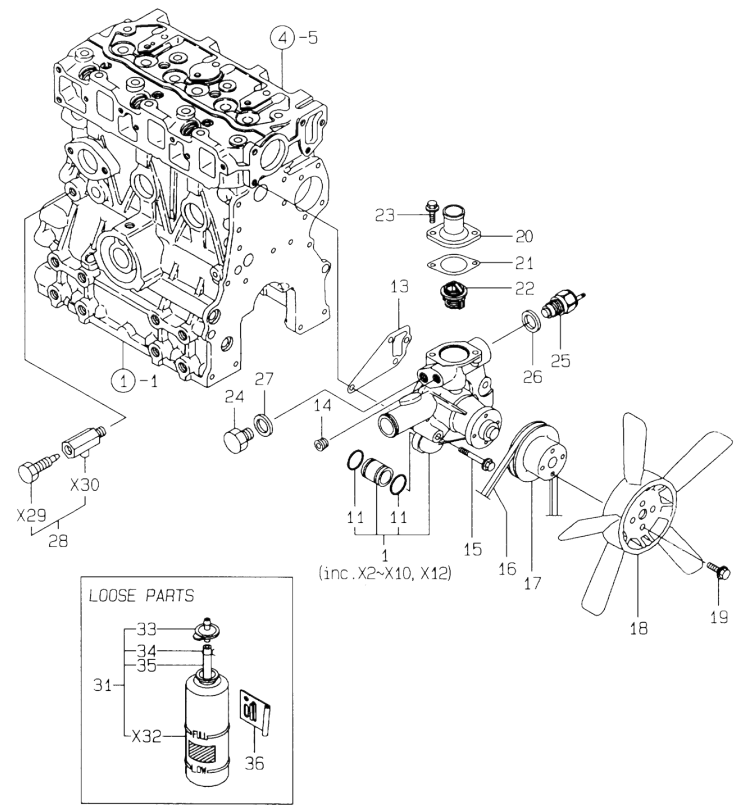
| No. | Lev. | Parts No.    | Description          | (A)=3TNE68-BE<br>(B)=3TNE68-EBE<br>(C)= |     | (D)=<br>(E)=<br>(F)= |     |     |     | I | R |
|-----|------|--------------|----------------------|-----------------------------------------|-----|----------------------|-----|-----|-----|---|---|
|     |      |              |                      | (A)                                     | (B) | (C)                  | (D) | (E) | (F) |   |   |
| 11  | 1    | 119260-32000 | PUMP ASSY, OIL       | 1                                       | 1   |                      |     |     |     |   |   |
| 11  | 1    | 119660-32020 | GASKET, PUMP         | 1                                       | 1   |                      |     |     |     |   |   |
| 12  | 1    | 26450-060202 | BOLT, M6X 20         | 3                                       | 3   |                      |     |     |     |   |   |
| 13  | 1    | 119225-34810 | GUIDE, DIPSTICK      | 1                                       | 1   |                      |     |     |     |   |   |
| 14  | 1    | 119260-34810 | GUIDE, DIPSTICK      | 1                                       | 1   |                      |     |     |     |   |   |
| 15  | 1    | 119620-34822 | DIPSTICK, OIL        | 1                                       | 1   |                      |     |     |     |   |   |
| 16  | 1    | 24311-240100 | O-RING, 1AP10A       | 1                                       | 1   |                      |     |     |     |   |   |
| 17  | 1    | 26106-060102 | BOLT, M6X 10 PLATED  | 1                                       | 1   |                      |     |     |     |   |   |
| 18  | 1    | 119305-35150 | FILTER, OIL          | 1                                       | 1   |                      |     |     |     |   |   |
| 19  | 1    | 119225-35300 | VALVE ASSY,OIL PRESS | 1                                       | 1   |                      |     |     |     |   |   |
| 27  | 1    | 129150-35350 | NUT                  | 1                                       | 1   |                      |     |     |     |   |   |
| 28  | 1    | 119260-35081 | PIPE, OIL INLET      | 1                                       | 1   |                      |     |     |     |   |   |
| 29  | 1    | 119209-35030 | O-RING, P11          | 1                                       | 1   |                      |     |     |     |   |   |
| 30  | 1    | 26106-060122 | BOLT, M6X 12 PLATED  | 2                                       | 2   |                      |     |     |     |   |   |
| 31  | 1    | 121252-39450 | SWITCH, 0.5KG        | 1                                       | 1   |                      |     |     |     |   |   |

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

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Fig.10. COOLING WATER SYSTEM

10.COOLING WATER SYSTEM



| No.        | Lev. | Parts No.    | Description         | Q'ty |     |     |     |     |     | I | R |
|------------|------|--------------|---------------------|------|-----|-----|-----|-----|-----|---|---|
|            |      |              |                     | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1          | 1    | 119265-42002 | PUMP ASSY, WATER    | 1    | 1   |     |     |     |     |   |   |
| 11         | 2    | 24311-000210 | O-RING, 1AP21.0     | 2    |     |     |     |     |     |   |   |
| 11- 1      | 2    | 119209-42320 | O-RING, P21 EPDM    | 2    | 2   |     |     |     |     | N |   |
| (A=E65899) |      |              |                     |      |     |     |     |     |     |   |   |
| 13         | 1    | 119260-42020 | GASKET, WATER PUMP  | 1    |     |     |     |     |     |   |   |
| 13- 1      | 1    | 119260-42021 | GASKET, WATER PUMP  | 1    | 1   |     |     |     |     | N |   |
| (A=E65899) |      |              |                     |      |     |     |     |     |     |   |   |
| 14         | 1    | 171056-49120 | PLUG, DRAIN         | 1    | 1   |     |     |     |     |   |   |
| 15         | 1    | 26106-080452 | BOLT, M8X 45 PLATED | 3    | 3   |     |     |     |     |   |   |
| 16         | 1    | 104514-42780 | V-BELT, HM33        | 1    | 1   |     |     |     |     |   |   |
| 17         | 1    | 119620-42350 | V-PULLEY            | 1    | 1   |     |     |     |     |   |   |
| 18         | 1    | 121023-44740 | FAN, COOLING        | 1    | 1   |     |     |     |     |   |   |
| 19         | 1    | 26014-060142 | BOLT, M6X 14        | 4    | 4   |     |     |     |     |   |   |
| 20         | 1    | 129350-49530 | COVER, THERMOSTAT   | 1    | 1   |     |     |     |     |   |   |
| 21         | 1    | 129350-49541 | GASKET              | 1    | 1   |     |     |     |     |   |   |
| 22         | 1    | 129350-49800 | THERMOSTAT, 71      | 1    | 1   |     |     |     |     |   |   |
| 23         | 1    | 26106-080202 | BOLT, M8X 20 PLATED | 2    | 2   |     |     |     |     |   |   |
| 24         | 1    | 121450-42450 | PLUG, M16           | 1    | 1   |     |     |     |     |   |   |
| 25         | 1    | 121250-44901 | SWITCH, 110         | 1    | 1   |     |     |     |     |   |   |
| 26         | 1    | 124465-44950 | GASKET, 16          | 1    | 1   |     |     |     |     |   |   |
| 27         | 1    | 124465-44950 | GASKET, 16          | 1    | 1   |     |     |     |     |   |   |
| 28         | 1    | 119620-49290 | COCK ASSY, 1/4      | 1    | 1   |     |     |     |     |   |   |
| 31         | 1    | 124450-44510 | TANK ASSY, SUB      | 1    | 1   |     |     |     |     |   |   |
| 33         | 2    | 124450-44530 | CAP                 | 1    | 1   |     |     |     |     |   |   |
| 34         | 2    | 124450-44560 | RETAINER            | 1    | 1   |     |     |     |     |   |   |
| 35         | 2    | 23061-070230 | PIPE, 7X 230        | 1    | 1   |     |     |     |     |   |   |
| 36         | 1    | 121256-44600 | BRACKET, SUB TANK   | 1    | 1   |     |     |     |     |   |   |

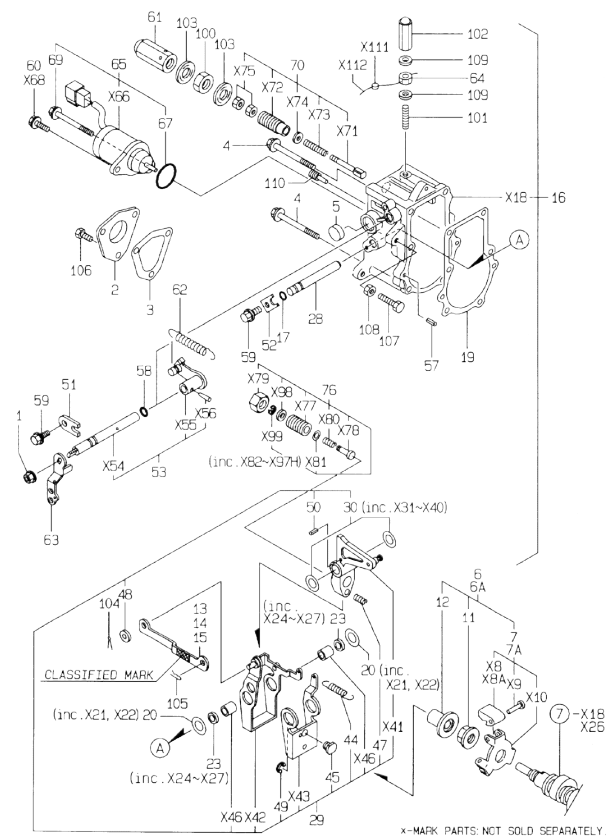
This diagram illustrates the exploded view of a mechanical assembly. The components are labeled as follows:

- 1**: Main housing or base.
- 2**: A central vertical shaft or pin.
- 3**: A component on the shaft, possibly a bush or sleeve.
- 4**: A small pin or screw.
- 5**: A small pin or screw.
- 6**: A washer or spacer.
- 7**: A small pin or screw.
- 8**: A small pin or screw.
- 9 (inc. X10~X20)**: A series of small pins or screws.
- 10**: A small pin or screw.
- 11**: A small pin or screw.
- 12**: A small pin or screw.
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- 47**: A small pin or screw.
- 48**: A small pin or screw.

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Fig.12. GOVERNOR

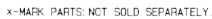
12. GOVERNOR



| No.        | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|------------|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|            |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1          | 1    | 194990-22050 | NUT, M8              | 1    | 1   |     |     |     |     |   |   |
| 2          | 1    | 119660-61060 | COVER, GOVERNOR CASE | 1    | 1   |     |     |     |     |   |   |
| 3          | 1    | 119660-61071 | GASKET               | 1    | 1   |     |     |     |     |   |   |
| 4          | 1    | 26106-060702 | BOLT, M6X 70 PLATED  | 5    | 5   |     |     |     |     |   |   |
| 5          | 1    | 119640-61400 | PLUG                 | 1    |     |     |     |     |     |   |   |
| 6          | 1    | 119600-61100 | DRIVE ASSY           | 1    |     |     |     |     |     |   |   |
| 6A         | 1    | 119600-61300 | DRIVE ASSY           |      | 1   |     |     |     |     |   |   |
| 7          | 2    | 119600-61200 | WEIGHT ASSY,GOVERNOR | 1    |     |     |     |     |     |   |   |
| 7A         | 2    | 119600-61400 | WEIGHT ASSY,GOVERNOR |      | 1   |     |     |     |     |   |   |
| 11         | 2    | 119660-61300 | NUT                  | 1    | 1   |     |     |     |     |   |   |
| 12         | 2    | 119660-61341 | SLEEVE               | 1    | 1   |     |     |     |     |   |   |
| 13         | 1    | 119660-61121 | LINK, NO MARK        | 1    | 1   |     |     |     |     |   | 1 |
| 14         | 1    | 119660-61140 | LINK, MARK :2        | 1    | 1   |     |     |     |     |   | 1 |
| 15         | 1    | 119660-61150 | LINK, MARK :3        | 1    | 1   |     |     |     |     |   | 1 |
| 16         | 1    | 119632-61200 | CASE ASSY, GOVERNOR  | 1    | 1   |     |     |     |     |   |   |
| 17         | 2    | 129155-51280 | O-RING, S6           | 1    | 1   |     |     |     |     |   |   |
| 19         | 2    | 119660-61052 | GASKET               | 1    | 1   |     |     |     |     |   |   |
| 20         | 2    | 119660-61460 | SHIM SET             | 1    | 1   |     |     |     |     |   |   |
| 23         | 2    | 129155-61480 | SPACER ASSY          | 2    | 2   |     |     |     |     |   |   |
| 28         | 2    | 119660-61491 | SHAFT                | 1    |     |     |     |     |     |   |   |
| 28-1       | 2    | 119660-61590 | SHAFT                | 1    | 1   |     |     |     |     |   | N |
| (A=E65051) |      |              |                      |      |     |     |     |     |     |   |   |
| 29         | 2    | 119232-61510 | LEVER ASSY, GOVERNOR | 1    | 1   |     |     |     |     |   |   |
| 30         | 3    | 174307-51700 | SHIM SET             | 2    | 2   |     |     |     |     |   |   |
| 44         | 3    | 119232-61540 | SPRING               | 1    | 1   |     |     |     |     |   |   |
| 45         | 3    | 119600-61541 | SHIFTER              | 1    | 1   |     |     |     |     |   |   |
| 47         | 3    | 119660-61651 | SPRING, STARTING     | 1    | 1   |     |     |     |     |   |   |
| 48         | 3    | 22117-040000 | WASHER, 4            | 1    | 1   |     |     |     |     |   |   |
| 49         | 3    | 22272-000040 | RING, E- 4           | 1    | 1   |     |     |     |     |   |   |
| 50         | 3    | 22351-030014 | PIN, SPRING 3.0X14   | 1    | 1   |     |     |     |     |   |   |
| 51         | 2    | 119600-61900 | RETAINER, SHAFT      | 1    | 1   |     |     |     |     |   |   |
| 52         | 2    | 119660-61901 | RETAINER, SHAFT      | 1    | 1   |     |     |     |     |   |   |
| 53         | 2    | 119285-66080 | SHAFT ASSY           | 1    | 1   |     |     |     |     |   |   |
| 57         | 2    | 22351-040010 | PIN, SPRING 4.0X10   | 2    | 2   |     |     |     |     |   |   |
| 58         | 2    | 24341-000070 | O-RING, 1AS7.0       | 1    | 1   |     |     |     |     |   |   |
| 59         | 2    | 26106-060102 | BOLT, M6X 10 PLATED  | 2    | 2   |     |     |     |     |   |   |
| 60         | 1    | 121465-59950 | BOLT, M6X16          | 1    | 1   |     |     |     |     |   |   |
| 61         | 1    | 26687-120002 | NUT, CAP M12         | 1    | 1   |     |     |     |     |   |   |
| 62         | 1    | 119600-66020 | SPRING, REGULATOR    | 1    | 1   |     |     |     |     |   |   |
| 63         | 1    | 119621-66051 | LEVER, REGULATOR     | 1    | 1   |     |     |     |     |   |   |
| 64         | 1    | 124550-66370 | NUT, M6              | 1    | 1   |     |     |     |     |   |   |
| 65         | 1    | 119653-66500 | STOPPER ASSY         | 1    | 1   |     |     |     |     |   |   |
| 67         | 2    | 24341-000280 | O-RING, 1AS28.0      | 1    | 1   |     |     |     |     |   |   |
| 69         | 2    | 26106-060952 | BOLT, M6X 95 PLATED  | 1    | 1   |     |     |     |     |   |   |
| 70         | 1    | 119600-66530 | LIMITER ASSY, FUEL   | 1    | 1   |     |     |     |     |   |   |
| 76         | 1    | 119654-66700 | ANGLEICH ASSY        | 1    | 1   |     |     |     |     |   |   |
| 100        | 1    | 26776-120002 | NUT, LOCK M12        | 1    | 1   |     |     |     |     |   |   |
| 101        | 1    | 121575-66830 | SCREW                | 1    | 1   |     |     |     |     |   |   |
| 102        | 1    | 119600-66840 | NUT, CAP             | 1    | 1   |     |     |     |     |   |   |
| 103        | 1    | 22190-120002 | WASHER, SEAL 12      | 2    | 2   |     |     |     |     |   |   |
| 104        | 1    | 22360-040000 | PIN, SNAP 4          | 1    | 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  
++ CONTINUE ++  
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## 12. GOVERNOR



(1) SELECTIVE PARTS: CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER(REFER TO ILLUSTRATION)

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

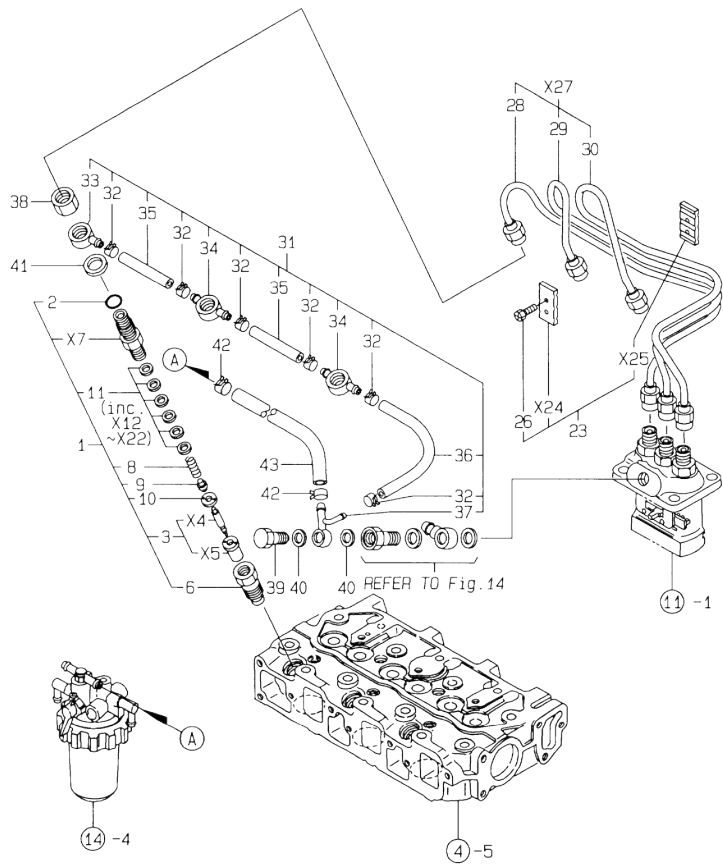
| No. | Lev. | Parts No.    | Description         | (A) | (B) | (C) | (D) | (E) | (F) | I | R |
|-----|------|--------------|---------------------|-----|-----|-----|-----|-----|-----|---|---|
| 105 | 1    | 22360-060000 | PIN, SNAP 6         |     | 1   |     |     |     |     |   |   |
| 106 | 1    | 26116-050102 | BOLT, M5X 10 PLATED |     | 3   |     |     |     |     |   |   |
| 107 | 1    | 26116-060304 | BOLT, M6X 30 PLATED |     | 1   |     |     |     |     |   |   |
| 108 | 1    | 26756-060002 | NUT, LOCK M6        |     | 1   |     |     |     |     |   |   |
| 109 | 1    | 22190-060003 | SEAL WASHER 6       |     | 2   |     |     |     |     |   |   |
| 110 | 1    | 124250-03640 | SCREW               |     | 1   |     |     |     |     |   |   |

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

OCV10-M68001

Fig.13. FUEL INJECTION VALVE

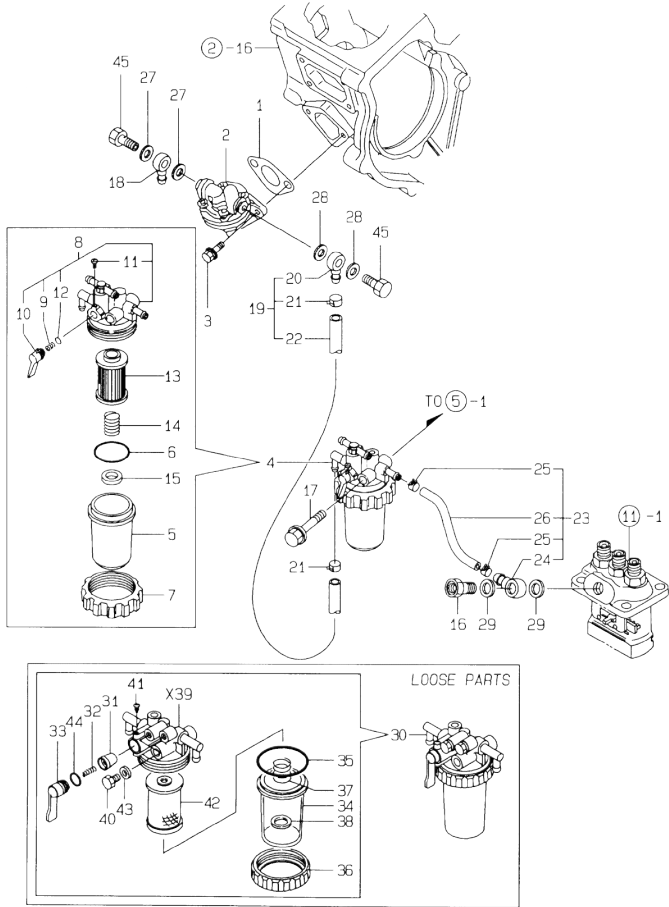
13.FUEL INJECTION VALVE



| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 719620-53700 | VALVE ASSY,INJECTION | 3    | 3   |     |     |     |     |   |   |
| 2   | 2    | 129155-61830 | O-RING, S10          | 3    | 3   |     |     |     |     |   |   |
| 3   | 2    | 119620-53000 | VALVE ASSY,INJECTION | 3    | 3   |     |     |     |     |   |   |
| 6   | 2    | 119620-53080 | NUT, NOZZLE          | 3    | 3   |     |     |     |     |   |   |
| 8   | 2    | 119620-53120 | SPRING, NOZZLE       | 3    | 3   |     |     |     |     |   |   |
| 9   | 2    | 114250-53130 | SEAT, SPRING         | 3    | 3   |     |     |     |     |   |   |
| 10  | 2    | 119620-53140 | SPACER, VALVE STOP   | 3    | 3   |     |     |     |     |   |   |
| 11  | 2    | 114250-53400 | SHIM SET             | 3    | 3   |     |     |     |     |   |   |
| 23  | 1    | 129150-59120 | RETAINER, PIPE       | 1    | 1   |     |     |     |     |   |   |
| 26  | 2    | 129150-59131 | BOLT, M4X14          | 2    | 2   |     |     |     |     |   |   |
| 28  | 2    | 119209-59810 | PIPE ASSY, INJECTION | 1    | 1   |     |     |     |     |   |   |
| 29  | 2    | 119209-59820 | PIPE ASSY, INJECTION | 1    | 1   |     |     |     |     |   |   |
| 30  | 2    | 119209-59830 | PIPE ASSY, INJECTION | 1    | 1   |     |     |     |     |   |   |
| 31  | 1    | 119249-59540 | PIPE ASSY, RETURN    | 1    | 1   |     |     |     |     |   |   |
| 32  | 2    | 124066-59100 | CLIP, HOSE 8         | 6    | 6   |     |     |     |     |   |   |
| 33  | 2    | 119260-59520 | JOINT                | 1    | 1   |     |     |     |     |   |   |
| 34  | 2    | 119260-59530 | JOINT                | 2    | 2   |     |     |     |     |   |   |
| 35  | 2    | 119260-59550 | PIPE, FUEL           | 2    | 2   |     |     |     |     |   |   |
| 36  | 2    | 119642-59550 | PIPE, FUEL RETURN    | 1    | 1   |     |     |     |     |   |   |
| 37  | 2    | 119642-59570 | JOINT, OVER FLOW     | 1    | 1   |     |     |     |     |   |   |
| 38  | 1    | 119620-59700 | NUT, NOZZLE          | 3    | 3   |     |     |     |     |   |   |
| 39  | 1    | 124550-59820 | BOLT, PIPE JOINT M8  | 1    | 1   |     |     |     |     |   |   |
| 40  | 1    | 22190-080002 | WASHER, SEAL 6       | 2    | 2   |     |     |     |     |   |   |
| 41  | 1    | 22190-140002 | WASHER, SEAL 14      | 3    | 3   |     |     |     |     |   |   |
| 42  | 1    | 124766-59050 | CLIP, HOSE 12        | 2    | 2   |     |     |     |     |   |   |
| 43  | 1    | 119225-59560 | PIPE, FUEL           | 1    | 1   |     |     |     |     |   |   |

Fig.14. FUEL LINE

14.FUEL LINE

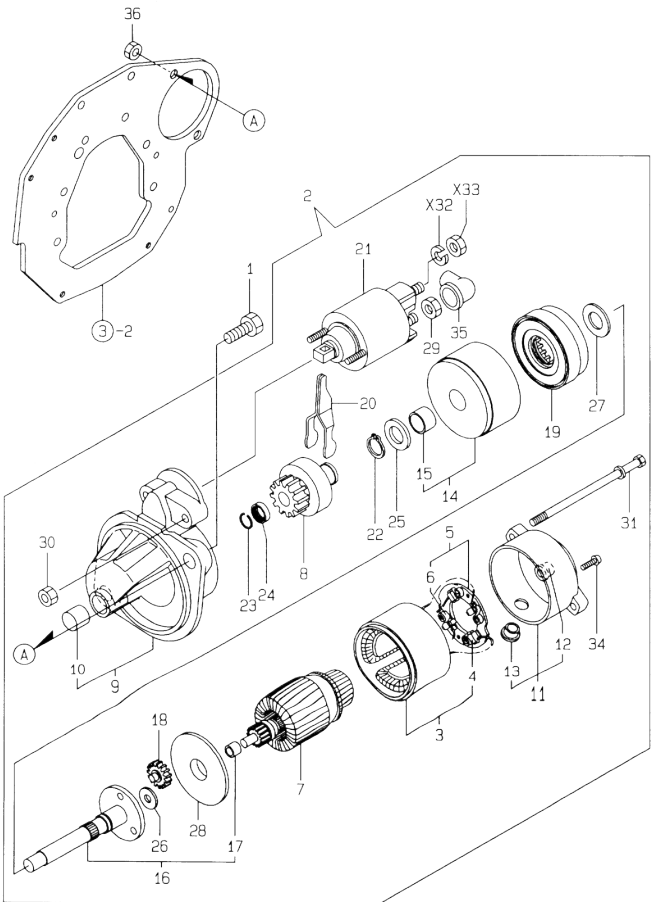


x-MARK PARTS: NOT SOLD SEPARATELY.

| No. | Lev. | Parts No.    | Description           | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|-----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                       | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 121520-01851 | GASKET                | 1    | 1   |     |     |     |     |   |   |
| 2   | 1    | 119600-52021 | PUMP ASSY, FUEL FEED  | 1    | 1   |     |     |     |     |   |   |
| 3   | 1    | 26106-060162 | BOLT, M6X 16 PLATED   | 2    | 2   |     |     |     |     |   |   |
| 4   | 1    | 119258-55622 | FILTER ASSY, FUEL     | 1    | 1   |     |     |     |     |   |   |
| 5   | 2    | 121254-55510 | COVER                 | 1    | 1   |     |     |     |     |   |   |
| 6   | 2    | 102103-55520 | O-RING                | 1    | 1   |     |     |     |     |   |   |
| 7   | 2    | 110250-55610 | RING, RETAINING       | 1    | 1   |     |     |     |     |   |   |
| 8   | 2    | 119258-55610 | BODY ASSY, FILTER     | 1    | 1   |     |     |     |     |   |   |
| 9   | 3    | 104200-55330 | SPRING, VALVE         | 1    | 1   |     |     |     |     |   |   |
| 10  | 3    | 119810-55340 | LEVER                 | 1    | 1   |     |     |     |     |   |   |
| 11  | 3    | 104200-55750 | SCREW, M4             | 1    | 1   |     |     |     |     |   |   |
| 12  | 3    | 24311-240100 | O-RING, 1AP10A        | 1    | 1   |     |     |     |     |   |   |
| 13  | 2    | 104500-55710 | ELEMENT               | 1    | 1   |     |     |     |     |   |   |
| 14  | 2    | 121257-55720 | SPRING                | 1    | 1   |     |     |     |     |   |   |
| 15  | 2    | 121257-55731 | FLOAT                 | 1    | 1   |     |     |     |     |   |   |
| 16  | 1    | 119650-59200 | BOLT, PIPE JOINT M12  | 1    | 1   |     |     |     |     |   |   |
| 17  | 1    | 26014-080702 | BOLT, M8X 70          | 1    | 1   |     |     |     |     |   |   |
| 18  | 1    | 104264-59030 | JOINT, PIPE 8         | 1    | 1   |     |     |     |     |   |   |
| 19  | 1    | 119244-59020 | PIPE ASSY, FUEL       | 1    | 1   |     |     |     |     |   |   |
| 20  | 2    | 104264-59030 | JOINT, PIPE 8         | 1    | 1   |     |     |     |     |   |   |
| 21  | 2    | 124766-59050 | CLIP, HOSE 12         | 2    | 2   |     |     |     |     |   |   |
| 22  | 2    | 121522-59100 | PIPE, FUEL D12X500    | 1    | 1   |     |     |     |     |   |   |
| 23  | 1    | 119260-59031 | PIPE, FUEL            | 1    | 1   |     |     |     |     |   |   |
| 24  | 2    | 101304-59020 | JOINT, PIPE 12        | 1    | 1   |     |     |     |     |   |   |
| 25  | 2    | 124766-59050 | CLIP, HOSE 12         | 2    | 2   |     |     |     |     |   |   |
| 26  | 2    | 124767-59080 | PIPE, FUEL            | 1    | 1   |     |     |     |     |   |   |
| 27  | 1    | 22190-080002 | WASHER, SEAL 6        | 2    | 2   |     |     |     |     |   |   |
| 28  | 1    | 22190-080002 | WASHER, SEAL 6        | 2    | 2   |     |     |     |     |   |   |
| 29  | 1    | 22190-120002 | WASHER, SEAL 12       | 2    | 2   |     |     |     |     |   |   |
| 30  | 1    | 129335-55700 | SEPARATOR ASSY, WATER | 1    | 1   |     |     |     |     |   |   |
| 31  | 2    | 104200-55321 | VALVE, TAPER          | 1    | 1   |     |     |     |     |   |   |
| 32  | 2    | 104200-55330 | SPRING, VALVE         | 1    | 1   |     |     |     |     |   |   |
| 33  | 2    | 104200-55341 | HANDLE                | 1    | 1   |     |     |     |     |   |   |
| 34  | 2    | 124064-55510 | COVER                 | 1    | 1   |     |     |     |     |   |   |
| 35  | 2    | 102103-55520 | O-RING                | 1    | 1   |     |     |     |     |   |   |
| 36  | 2    | 110250-55610 | RING, RETAINING       | 1    | 1   |     |     |     |     |   |   |
| 37  | 2    | 121257-55720 | SPRING                | 1    | 1   |     |     |     |     |   |   |
| 38  | 2    | 121257-55731 | FLOAT                 | 1    | 1   |     |     |     |     |   |   |
| 40  | 2    | 101720-55750 | PLUG, 6               | 2    | 2   |     |     |     |     |   |   |
| 41  | 2    | 104200-55750 | SCREW, M4             | 1    | 1   |     |     |     |     |   |   |
| 42  | 2    | 171081-55910 | SCREEN                | 1    | 1   |     |     |     |     |   |   |
| 43  | 2    | 23418-060000 | GASKET, 6X1.0         | 2    | 2   |     |     |     |     |   |   |
| 44  | 2    | 24311-240100 | O-RING, 1AP10A        | 1    | 1   |     |     |     |     |   |   |
| 45  | 1    | 105582-59150 | BOLT, PIPE JOINT      | 2    | 2   |     |     |     |     |   |   |

Fig.15. STARTING MOTOR

15. STARTING MOTOR

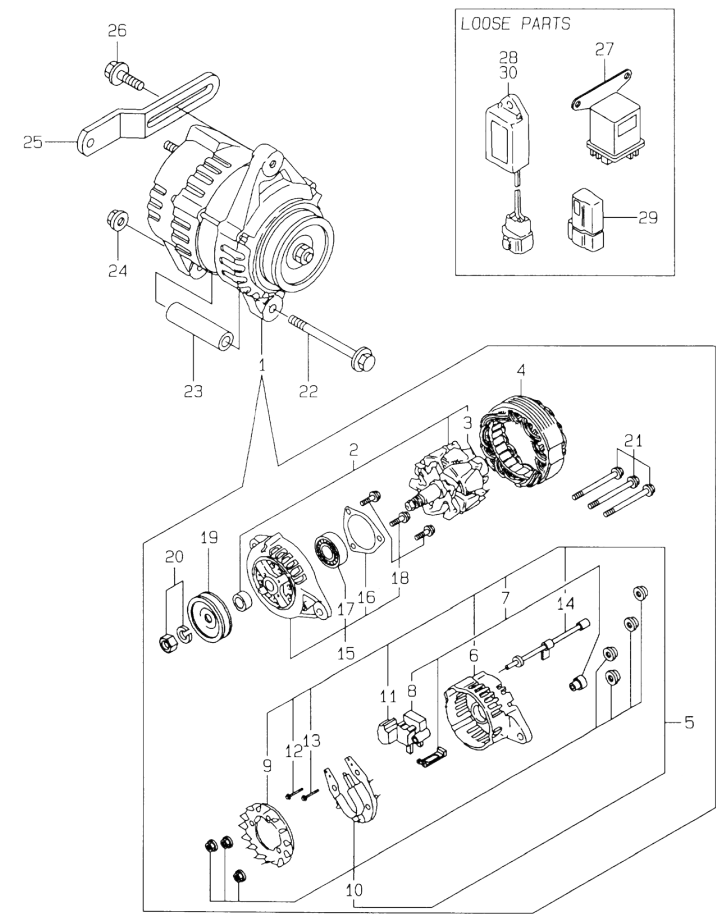


X-MARK PARTS: NOT SOLD SEPARATELY.

| No. | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|-----|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|     |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1   | 1    | 26156-120302 | BOLT, M12X 30 PLATED | 2    | 2   |     |     |     |     |   |   |
| 2   | 1    | 119255-77010 | STARTER              | 1    | 1   |     |     |     |     |   |   |
| 3   | 2    | X0281007680  | YOKE ASSY            | 1    | 1   |     |     |     |     |   |   |
| 4   | 3    | X0280996180  | STARTER KIT          | 2    | 2   |     |     |     |     |   |   |
| 5   | 2    | X0285105190  | HOLDER ASSY          | 1    | 1   |     |     |     |     |   |   |
| 6   | 3    | X0285205030  | SPRING               | 4    | 4   |     |     |     |     |   |   |
| 7   | 2    | X0282005871  | ARMATURE ASSY        | 1    | 1   |     |     |     |     |   |   |
| 8   | 2    | X0283006960  | CLUTCH ASSY          | 1    | 1   |     |     |     |     |   |   |
| 9   | 2    | X5128400875  | HOUSING ASSY         | 1    | 1   |     |     |     |     |   |   |
| 10  | 3    | X9491050100  | BEARING, NEEDLE      | 1    | 1   |     |     |     |     |   |   |
| 11  | 2    | X0285005770  | FRAME ASSY           | 1    | 1   |     |     |     |     |   |   |
| 12  | 3    | X9491040990  | BEARING              | 1    | 1   |     |     |     |     |   |   |
| 13  | 3    | X0280626010  | COVER                | 1    | 1   |     |     |     |     |   |   |
| 14  | 2    | X0284105010  | BEARING ASSY         | 1    | 1   |     |     |     |     |   |   |
| 15  | 3    | X9491034330  | BEARING              | 1    | 1   |     |     |     |     |   |   |
| 16  | 2    | X0286105010  | SHAFT ASSY           | 1    | 1   |     |     |     |     |   |   |
| 17  | 3    | X9491034320  | BEARING              | 1    | 1   |     |     |     |     |   |   |
| 18  | 2    | X0286305010  | GEAR                 | 3    | 3   |     |     |     |     |   |   |
| 19  | 2    | X0286355010  | GEAR                 | 1    | 1   |     |     |     |     |   |   |
| 20  | 2    | X0287405140  | LEVER                | 1    | 1   |     |     |     |     |   |   |
| 21  | 2    | X0534007800  | SWITCH ASSY          | 1    | 1   |     |     |     |     |   |   |
| 22  | 2    | X9055715000  | RING                 | 1    | 1   |     |     |     |     |   |   |
| 23  | 2    | X9490721360  | RING                 | 1    | 1   |     |     |     |     |   |   |
| 24  | 2    | X0280210331  | NUT                  | 1    | 1   |     |     |     |     |   |   |
| 25  | 2    | X9490138110  | WASHER               | 1    | 1   |     |     |     |     |   |   |
| 26  | 2    | X9490138090  | WASHER               | 1    | 1   |     |     |     |     |   |   |
| 27  | 2    | X9490138100  | WASHER               | 1    | 1   |     |     |     |     |   |   |
| 28  | 2    | X0284525010  | PLATE                | 1    | 1   |     |     |     |     |   |   |
| 29  | 2    | X9490562360  | NUT                  | 1    | 1   |     |     |     |     |   |   |
| 30  | 2    | X9490560750  | NUT                  | 2    | 2   |     |     |     |     |   |   |
| 31  | 2    | X9490423520  | BOLT, THROUGH        | 2    | 2   |     |     |     |     |   |   |
| 34  | 2    | X9490065670  | SCREW, M4X6          | 2    | 2   |     |     |     |     |   |   |
| 35  | 2    | X0280335100  | COVER, TERMINAL      | 1    | 1   |     |     |     |     |   |   |
| 36  | 1    | 26736-120002 | NUT, M12             | 2    | 2   |     |     |     |     |   |   |

Fig.16. GENERATOR

16. GENERATOR

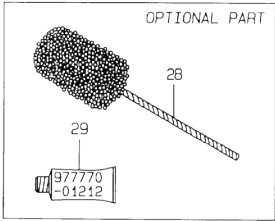
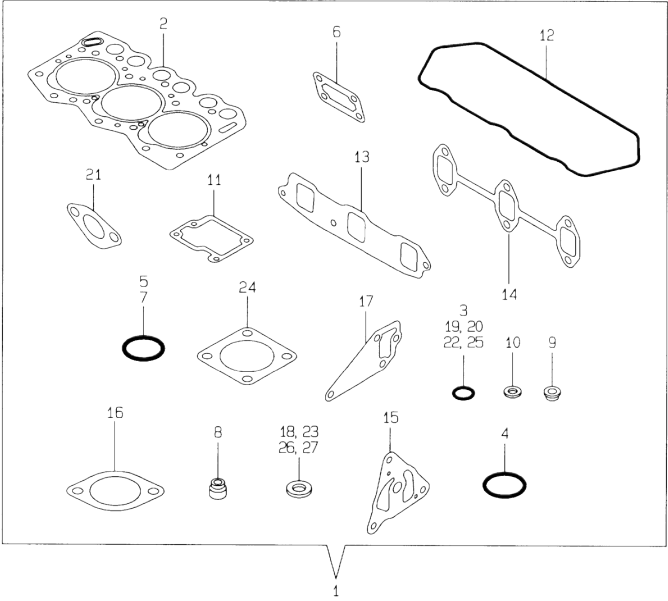


| No.          | Lev. | Parts No.    | Description          | Q'ty |     |     |     |     |     | I | R |
|--------------|------|--------------|----------------------|------|-----|-----|-----|-----|-----|---|---|
|              |      |              |                      | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1            | 1    | 119836-77200 | GENERATOR            | 1    | 1   |     |     |     |     |   |   |
| 2            | 2    | 119836-77700 | ROTOR ASSY           | 1    | 1   |     |     |     |     |   |   |
| 3            | 3    | 119836-77850 | BALL BEARING         | 1    | 1   |     |     |     |     |   |   |
| 4            | 2    | 119836-77710 | STATOR ASSY          | 1    | 1   |     |     |     |     |   |   |
| 5            | 2    | 119836-77721 | COVER ASSY, REAR     | 1    | 1   |     |     |     |     |   |   |
| 6            | 3    | 119836-77730 | COVER, REAR          | 1    | 1   |     |     |     |     |   |   |
| 7            | 3    | 119836-77741 | BRUSH ASSY,REGULATOR | 1    | 1   |     |     |     |     |   |   |
| 8            | 4    | 119836-77750 | BRUSH ASSY           | 1    | 1   |     |     |     |     |   |   |
| 9            | 3    | 119836-77760 | GUIDE, FAN SIDE      | 1    | 1   |     |     |     |     |   |   |
| 10           | 3    | 119836-77770 | DIODE ASSY           | 1    | 1   |     |     |     |     |   |   |
| 11           | 3    | 119836-77780 | CONDENSER            | 1    | 1   |     |     |     |     |   |   |
| 12           | 3    | 119836-77871 | BOLT (1)             | 1    | 1   |     |     |     |     |   |   |
| 13           | 3    | 119836-77880 | BOLT (2)             | 1    | 1   |     |     |     |     |   |   |
| 14           | 3    | 119836-77890 | WIRE ASSY, LEAD      | 1    | 1   |     |     |     |     |   |   |
| 15           | 2    | 119836-77790 | COVER ASSY, FRONT    | 1    | 1   |     |     |     |     |   |   |
| 16           | 3    | 119836-77800 | RETAINER, BEARING    | 1    | 1   |     |     |     |     |   |   |
| 17           | 3    | 119836-77840 | BALL BEARING         | 1    | 1   |     |     |     |     |   |   |
| 18           | 3    | 119836-77860 | SCREW KID            | 1    | 1   |     |     |     |     |   |   |
| 19           | 2    | 119836-77810 | PULLEY               | 1    | 1   |     |     |     |     |   |   |
| 20           | 2    | 119836-77820 | NUT ASSY, PULLEY     | 1    | 1   |     |     |     |     |   |   |
| 21           | 2    | 119836-77830 | BOLT, THROUGH        | 1    | 1   |     |     |     |     |   |   |
| 22           | 1    | 26106-081052 | BOLT, M8X105 PLATED  | 1    | 1   |     |     |     |     |   |   |
| 23           | 1    | 129150-77340 | SPACER               | 1    | 1   |     |     |     |     |   |   |
| 24           | 1    | 26366-080002 | NUT, M8              | 1    | 1   |     |     |     |     |   |   |
| 25           | 1    | 119225-77330 | ADJUSTER             | 1    | 1   |     |     |     |     |   |   |
| 26           | 1    | 26106-080182 | BOLT, M8X 18 PLATED  | 1    | 1   |     |     |     |     |   |   |
| 27           | 1    | 119650-77910 | RELAY ASSY, GLOW     | 1    | 1   |     |     |     |     |   |   |
| 28           | 1    | 119632-77920 | TIMER                | 1    |     |     |     |     |     |   |   |
| 28-1         | 1    | 129211-77920 | TIMER                | 1    | 1   |     |     |     |     |   | N |
| (A="2000.10) |      |              |                      |      |     |     |     |     |     |   |   |
| 29           | 1    | 119643-66900 | DIODE                | 2    | 2   |     |     |     |     |   |   |
| 30           | 1    | 128300-77920 | TIMER                | 1    | 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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Fig.17. GASKET SET

17.GASKET SET



| No.        | Lev. | Parts No.    | Description        | Q'ty |     |     |     |     |     | I | R |
|------------|------|--------------|--------------------|------|-----|-----|-----|-----|-----|---|---|
|            |      |              |                    | (A)  | (B) | (C) | (D) | (E) | (F) |   |   |
| 1          | 1    | 719265-92720 | GASKET SET         | 1    | 1   |     |     |     |     |   | 1 |
| 2          | 2    | 119265-01341 | GASKET, HEAD       | 1    | 1   |     |     |     |     |   |   |
| 3          | 2    | 24311-000120 | O-RING, 1AP12.0    | 2    | 2   |     |     |     |     |   |   |
| 4          | 2    | 24311-000320 | O-RING, 1AP32.0    | 4    | 4   |     |     |     |     |   |   |
| 5          | 2    | 24341-000240 | O-RING, 1AS24.0    | 1    | 1   |     |     |     |     |   |   |
| 6          | 2    | 119660-01562 | GASKET             | 1    | 1   |     |     |     |     |   |   |
| 7          | 2    | 24311-000180 | O-RING, 1AP18.0    | 1    | 1   |     |     |     |     |   |   |
| 8          | 2    | 119260-11340 | SEAL, VALVE STEM   | 6    | 6   |     |     |     |     |   |   |
| 9          | 2    | 119600-11450 | PROTECTOR, NOZZLE  | 3    | 3   |     |     |     |     |   |   |
| 10         | 2    | 119600-11460 | GASKET, NOZZLE     | 6    | 6   |     |     |     |     |   |   |
| 11         | 2    | 119260-03031 | GASKET             | 1    | 1   |     |     |     |     |   |   |
| 12         | 2    | 119260-11310 | GASKET, BONNET     | 1    | 1   |     |     |     |     |   |   |
| 13         | 2    | 119270-12110 | GASKET, MANIFOLD   | 1    | 1   |     |     |     |     |   |   |
| 14         | 2    | 119260-13110 | GASKET             | 1    | 1   |     |     |     |     |   |   |
| 15         | 2    | 119660-32020 | GASKET, PUMP       | 1    | 1   |     |     |     |     |   |   |
| 16         | 2    | 129350-49541 | GASKET             | 1    | 1   |     |     |     |     |   |   |
| 17         | 2    | 119260-42020 | GASKET, WATER PUMP | 1    | 1   |     |     |     |     |   |   |
| 17- 1      | 2    | 119260-42021 | GASKET, WATER PUMP | 1    | 1   |     |     |     |     |   | N |
| (A=E65899) |      |              |                    |      |     |     |     |     |     |   |   |
| 18         | 2    | 124465-44950 | GASKET, 16         | 2    | 2   |     |     |     |     |   |   |
| 19         | 2    | 129155-61830 | O-RING, S10        | 3    | 3   |     |     |     |     |   |   |
| 20         | 2    | 119624-32040 | O-RING, P12.0      | 2    | 2   |     |     |     |     |   |   |
| 21         | 2    | 121520-01851 | GASKET             | 1    | 1   |     |     |     |     |   |   |
| 22         | 2    | 24311-240100 | O-RING, 1AP10A     | 1    | 1   |     |     |     |     |   |   |
| 23         | 2    | 22190-080002 | WASHER, SEAL 6     | 4    | 4   |     |     |     |     |   |   |
| 24         | 2    | 124701-11911 | GASKET, SILENCER   | 1    | 1   |     |     |     |     |   |   |
| 25         | 2    | 119209-35030 | O-RING, P11        | 1    | 1   |     |     |     |     |   |   |
| 26         | 2    | 22190-140002 | WASHER, SEAL 14    | 3    | 3   |     |     |     |     |   |   |
| 27         | 2    | 22190-120002 | WASHER, SEAL 12    | 2    | 2   |     |     |     |     |   |   |
| 28         | 1    | 129400-92400 | FLEX HORN          | 1    | 1   |     |     |     |     |   | 1 |
| 29         | 1    | 977770-01212 | GASKET, LIQUID     | 1    | 1   |     |     |     |     |   | 1 |

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| 101720-55750 | 14       | 40       |
| 102103-55520 | 14       | 6        |
|              |          | 35       |
| 104200-55321 | 14       | 31       |
| 104200-55330 | 14       | 9        |
|              |          | 32       |
| 104200-55341 | 14       | 33       |
| 104200-55750 | 14       | 11       |
|              |          | 41       |
| 104264-59030 | 14       | 18       |
|              |          | 20       |
| 104500-55710 | 14       | 13       |
| 104514-42780 | 10       | 16       |
| 105010-11230 | 4        | 32       |
|              |          | 36       |
| 105546-51330 | 11       | 24       |
| 105582-59150 | 14       | 45       |
| 110250-55610 | 14       | 7        |
|              |          | 36       |
| 114250-11120 | 4        | 16       |
| 114250-11180 | 4        | 17       |
| 114250-53130 | 13       | 9        |
| 114250-53400 | 13       | 11       |
| 118400-03060 | 4        | 51       |
| 119131-18320 | 6        | 5        |
| 119209-35030 | 9        | 29       |
|              |          | 17       |
|              |          | 25       |
| 119209-42320 | 10       | 11 - 1   |
| 119209-59810 | 13       | 28       |
| 119209-59820 | 13       | 29       |
| 119209-59830 | 13       | 30       |
| 119225-14200 | 7        | 17       |
| 119225-14210 | 7        | 25       |
| 119225-34810 | 9        | 13       |
| 119225-35300 | 9        | 19       |
| 119225-51100 | 11       | 3        |
| 119225-51300 | 11       | 21       |
| 119225-59560 | 13       | 43       |
| 119225-77330 | 16       | 25       |
| 119232-61510 | 12       | 29       |
| 119232-61540 | 12       | 44       |
| 119233-21691 | 8        | 7        |
| 119244-59020 | 14       | 19       |
| 119249-59540 | 13       | 31       |
| 119253-13100 | 6        | 1        |
| 119255-77010 | 15       | 2        |
| 119258-55610 | 14       | 8        |
| 119258-55622 | 14       | 4        |
| 119260-01490 | 2        | 16       |

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| 119260-01510 | 2        | 18       |
| 119260-01590 | 2        | 1        |
| 119260-01770 | 3        | 10       |
| 119260-02020 | 1        | 5        |
| 119260-02800 | 1        | 14       |
| 119260-02930 | 1        | 17       |
| 119260-03020 | 4        | 47       |
| 119260-03031 | 4        | 48       |
|              | 17       | 11       |
| 119260-07900 | 4        | 2        |
| 119260-11100 | 4        | 14       |
| 119260-11110 | 4        | 15       |
| 119260-11200 | 4        | 24       |
| 119260-11240 | 4        | 25       |
| 119260-11260 | 4        | 28       |
| 119260-11270 | 4        | 29       |
| 119260-11280 | 4        | 30       |
| 119260-11310 | 4        | 50       |
|              | 17       | 12       |
| 119260-11330 | 4        | 45       |
| 119260-11331 | 4        | 45 - 1   |
| 119260-11340 | 4        | 20       |
|              | 17       | 8        |
| 119260-11370 | 4        | 21       |
| 119260-11800 | 4        | 8        |
| 119260-13110 | 6        | 2        |
|              | 17       | 14       |
| 119260-14100 | 7        | 6        |
| 119260-14200 | 7        | 1        |
| 119260-14400 | 7        | 2        |
| 119260-14580 | 7        | 3        |
| 119260-21200 | 8        | 4        |
| 119260-23910 | 8        | 27       |
| 119260-25100 | 7        | 10       |
| 119260-32000 | 9        | 1        |
| 119260-34810 | 9        | 14       |
| 119260-35081 | 9        | 28       |
| 119260-42020 | 10       | 13       |
|              | 17       | 17       |
| 119260-42021 | 10       | 13 - 1   |
|              | 17       | 17 - 1   |
| 119260-59031 | 14       | 23       |
| 119260-59520 | 13       | 33       |
| 119260-59530 | 13       | 34       |
| 119260-59550 | 13       | 35       |
| 119265-01250 | 1        | 9 - 1    |
| 119265-01341 | 1        | 21       |
|              | 17       | 2        |
| 119265-11260 | 4        | 40       |
| 119265-11700 | 4        | 5        |

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| 119265-21560 | 8        | 11       |
| 119265-21700 | 8        | 1        |
| 119265-22300 | 8        | 22       |
| 119265-22500 | 8        | 16       |
| 119265-22601 | 8        | 14       |
| 119265-22930 | 8        | 31       |
| 119265-22950 | 8        | 33       |
| 119265-23100 | 8        | 24       |
| 119265-23200 | 8        | 28       |
| 119265-42002 | 10       | 1        |
| 119266-01200 | 1        | 20       |
| 119266-02410 | 1        | 13       |
| 119266-51900 | 11       | 47       |
| 119270-12100 | 5        | 1        |
| 119270-12110 | 5        | 2        |
|              | 17       | 13       |
| 119275-12101 | 5        | 1 - 1    |
| 119285-66080 | 12       | 53       |
| 119305-35150 | 9        | 18       |
| 119454-01721 | 3        | 9        |
| 119600-11450 | 4        | 22       |
|              | 17       | 9        |
| 119600-11460 | 4        | 23       |
|              | 17       | 10       |
| 119600-52021 | 14       | 2        |
| 119600-61100 | 12       | 6        |
| 119600-61200 | 12       | 7        |
| 119600-61300 | 12       | 6 A      |
| 119600-61400 | 12       | 7 A      |
| 119600-61541 | 12       | 45       |
| 119600-61900 | 12       | 51       |
| 119600-66020 | 12       | 62       |
| 119600-66530 | 12       | 70       |
| 119600-66840 | 12       | 102      |
| 119620-01620 | 3        | 4        |
| 119620-01800 | 2        | 3        |
| 119620-02450 | 7        | 4        |
| 119620-11350 | 4        | 41       |
| 119620-21500 | 8        | 10       |
| 119620-21941 | 8        | 9        |
| 119620-25912 | 7        | 12       |
| 119620-34822 | 9        | 15       |
| 119620-42350 | 10       | 17       |
| 119620-49290 | 10       | 28       |
| 119620-51170 | 11       | 6        |
| 119620-51180 | 11       | 7        |
| 119620-51190 | 11       | 8        |
| 119620-51250 | 11       | 9        |
| 119620-51340 | 11       | 25       |
| 119620-51350 | 11       | 26       |

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| 119620-51370 | 11       | 27       |
| 119620-51450 | 11       | 28       |
| 119620-51461 | 11       | 29       |
| 119620-51510 | 11       | 31       |
| 119620-51650 | 11       | 33       |
| 119620-51660 | 11       | 34       |
| 119620-51670 | 11       | 35       |
| 119620-51680 | 11       | 36       |
| 119620-51700 | 11       | 37       |
| 119620-53000 | 13       | 3        |
| 119620-53080 | 13       | 6        |
| 119620-53120 | 13       | 8        |
| 119620-53140 | 13       | 10       |
| 119620-59700 | 13       | 38       |
| 119620-77820 | 4        | 56       |
| 119621-01611 | 3        | 2        |
| 119621-21680 | 8        | 8        |
| 119621-66051 | 12       | 63       |
| 119623-01950 | 2        | 24       |
| 119624-32040 | 2        | 5        |
|              | 17       | 20       |
| 119632-61200 | 12       | 16       |
| 119632-77920 | 16       | 28       |
| 119640-61400 | 12       | 5        |
| 119642-59550 | 13       | 36       |
| 119642-59570 | 13       | 37       |
| 119643-66900 | 16       | 29       |
| 119650-59200 | 14       | 16       |
| 119650-77910 | 16       | 27       |
| 119653-66500 | 12       | 65       |
| 119654-66700 | 12       | 76       |
| 119660-01551 | 2        | 21       |
| 119660-01562 | 2        | 22       |
|              | 17       | 6        |
| 119660-01570 | 2        | 23       |
| 119660-01640 | 3        | 5        |
| 119660-01821 | 7        | 16       |
| 119660-01911 | 2        | 4        |
| 119660-25022 | 7        | 8        |
| 119660-25052 | 7        | 9        |
| 119660-25920 | 7        | 28       |
| 119660-25930 | 7        | 29       |
| 119660-32020 | 9        | 11       |
|              | 17       | 15       |
| 119660-51500 | 11       | 30       |
| 119660-51530 | 11       | 32       |
| 119660-61052 | 12       | 19       |
| 119660-61060 | 12       | 2        |
| 119660-61071 | 12       | 3        |
| 119660-61121 | 12       | 13       |

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| 119660-61140 | 12       | 14       |
| 119660-61150 | 12       | 15       |
| 119660-61300 | 12       | 11       |
| 119660-61341 | 12       | 12       |
| 119660-61460 | 12       | 20       |
| 119660-61491 | 12       | 28       |
| 119660-61590 | 12       | 28 - 1   |
| 119660-61651 | 12       | 47       |
| 119660-61901 | 12       | 52       |
| 119810-55340 | 14       | 10       |
| 119836-77200 | 16       | 1        |
| 119836-77700 | 16       | 2        |
| 119836-77710 | 16       | 4        |
| 119836-77721 | 16       | 5        |
| 119836-77730 | 16       | 6        |
| 119836-77741 | 16       | 7        |
| 119836-77750 | 16       | 8        |
| 119836-77760 | 16       | 9        |
| 119836-77770 | 16       | 10       |
| 119836-77780 | 16       | 11       |
| 119836-77790 | 16       | 15       |
| 119836-77800 | 16       | 16       |
| 119836-77810 | 16       | 19       |
| 119836-77820 | 16       | 20       |
| 119836-77830 | 16       | 21       |
| 119836-77840 | 16       | 17       |
| 119836-77850 | 16       | 3        |
| 119836-77860 | 16       | 18       |
| 119836-77871 | 16       | 12       |
| 119836-77880 | 16       | 13       |
| 119836-77890 | 16       | 14       |
| 121023-01550 | 2        | 13       |
| 121023-44740 | 10       | 18       |
| 121250-44901 | 10       | 25       |
| 121252-39450 | 9        | 31       |
| 121254-55510 | 14       | 5        |
| 121256-44600 | 10       | 36       |
| 121257-55720 | 14       | 14       |
|              |          | 37       |
| 121257-55731 | 14       | 15       |
|              |          | 38       |
| 121400-01640 | 3        | 11       |
| 121450-01560 | 2        | 19       |
| 121450-42450 | 10       | 24       |
| 121465-59950 | 12       | 60       |
| 121520-01851 | 14       | 1        |
|              |          | 17       |
|              |          | 21       |
| 121522-59100 | 14       | 22       |
| 121575-66830 | 12       | 101      |
| 121855-12060 | 5        | 5        |

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| 124060-01050 | 1        | 4        |
| 124060-21600 | 8        | 13       |
| 124064-55510 | 14       | 34       |
| 124066-59100 | 13       | 32       |
| 124085-02220 | 3        | 7        |
| 124160-01751 | 2        | 11       |
|              | 4        | 58       |
| 124160-11360 | 4        | 44       |
| 124250-03640 | 12       | 110      |
| 124450-44510 | 10       | 31       |
| 124450-44530 | 10       | 33       |
| 124450-44560 | 10       | 34       |
| 124465-44950 | 10       | 26       |
|              |          | 27       |
|              | 17       | 18       |
| 124550-59820 | 13       | 39       |
| 124550-66370 | 12       | 64       |
| 124701-11911 | 6        | 6        |
|              | 17       | 24       |
| 124766-59050 | 13       | 42       |
|              | 14       | 21       |
|              |          | 25       |
| 124767-59080 | 14       | 26       |
| 128300-77920 | 16       | 30       |
| 129100-01580 | 3        | 1        |
|              | 8        | 2        |
| 129150-35350 | 9        | 27       |
| 129150-59120 | 13       | 23       |
| 129150-59131 | 13       | 26       |
| 129150-77340 | 16       | 23       |
| 129155-51280 | 12       | 17       |
| 129155-61480 | 12       | 23       |
| 129155-61830 | 13       | 2        |
|              | 17       | 19       |
| 129211-77920 | 16       | 28 - 1   |
| 129335-55700 | 14       | 30       |
| 129350-49530 | 10       | 20       |
| 129350-49541 | 10       | 21       |
|              | 17       | 16       |
| 129350-49800 | 10       | 22       |
| 129400-92400 | 17       | 28       |
| 129795-77800 | 4        | 55       |
| 171031-11741 | 2        | 33       |
| 171056-49120 | 10       | 14       |
| 171081-55910 | 14       | 42       |
| 174307-51700 | 12       | 30       |
| 194990-22050 | 2        | 31       |
|              | 12       | 1        |
| 22117-040000 | 12       | 48       |
| 22137-040000 | 11       | 42       |

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|              | 14       | 27       |
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|              | 17       | 23       |
| 22190-120002 | 12       | 103      |
|              | 14       | 29       |
|              | 17       | 27       |
| 22190-140002 | 13       | 41       |
|              | 17       | 26       |
| 22217-040000 | 11       | 43       |
| 22242-000100 | 4        | 39       |
| 22242-000200 | 7        | 14       |
| 22252-000200 | 8        | 23       |
| 22272-000040 | 12       | 49       |
| 22351-030010 | 8        | 39       |
| 22351-030014 | 12       | 50       |
| 22351-040010 | 2        | 20       |
|              | 12       | 57       |
| 22351-060012 | 4        | 4        |
| 22360-040000 | 12       | 104      |
| 22360-060000 | 12       | 105      |
| 22512-040120 | 7        | 7        |
|              |          | 20       |
|              |          | 30       |
|              | 8        | 5        |
| 22857-500100 | 4        | 53       |
| 23061-070230 | 10       | 35       |
| 23065-120700 | 4        | 1        |
| 23418-060000 | 14       | 43       |
| 23876-030000 | 4        | 11       |
| 24101-062034 | 7        | 22       |
| 24102-063034 | 7        | 21       |
|              |          | 31       |
| 24311-000120 | 4        | 54       |
|              | 17       | 3        |
| 24311-000180 | 3        | 13       |
|              | 17       | 7        |
| 24311-000210 | 10       | 11       |
| 24311-000320 | 2        | 12       |
|              |          | 34       |
|              | 4        | 59       |
|              | 17       | 4        |
| 24311-240100 | 9        | 16       |
|              | 14       | 12       |
|              |          | 44       |
|              | 17       | 22       |
| 24341-000070 | 12       | 58       |
| 24341-000240 | 2        | 14       |

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| 26014-060142 | 10       | 19       |
| 26014-080702 | 14       | 17       |
| 26022-040082 | 11       | 44       |
| 26033-040102 | 11       | 45 - 1   |
| 26106-060102 | 3        | 14       |
|              | 9        | 17       |
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| 26106-060122 | 1        | 22       |
|              | 7        | 15       |
|              | 9        | 30       |
| 26106-060162 | 2        | 6        |
|              |          | 15       |
|              | 5        | 3        |
|              | 7        | 23       |
|              | 14       | 3        |
| 26106-060222 | 3        | 8        |
| 26106-060282 | 5        | 4        |
| 26106-060302 | 2        | 7        |
| 26106-060402 | 2        | 8        |
|              | 6        | 3        |
| 26106-060452 | 3        | 15       |
| 26106-060502 | 2        | 9        |
| 26106-060652 | 2        | 10       |
| 26106-060702 | 12       | 4        |
| 26106-060952 | 12       | 69       |
| 26106-080142 | 4        | 3        |
|              |          | 57       |
| 26106-080182 | 16       | 26       |
| 26106-080202 | 10       | 23       |
| 26106-080452 | 4        | 42       |
|              | 10       | 15       |
| 26106-081052 | 16       | 22       |
| 26116-050102 | 12       | 106      |
| 26116-060304 | 12       | 107      |
| 26116-100202 | 3        | 3        |
| 26156-120302 | 15       | 1        |
| 26216-060402 | 6        | 4        |
| 26366-060002 | 2        | 32       |
|              | 6        | 7        |
| 26366-080002 | 4        | 43       |
|              | 16       | 24       |
| 26450-060202 | 9        | 12       |
| 26587-040102 | 11       | 45       |
| 26587-080102 | 7        | 24       |
| 26687-120002 | 12       | 61       |
| 26736-120002 | 15       | 36       |
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| 27221-050080 | 4        | 12       |
| 27221-060100 | 1        | 8        |
| 27231-400000 | 1        | 9        |
| 27241-100000 | 1        | 10       |
| 27241-250000 | 1        | 11       |
| 27241-300000 | 1        | 12       |
| 27241-350000 | 4        | 13       |
| 714250-11570 | 4        | 18       |
| 719225-51100 | 11       | 1        |
| 719260-02870 | 1        | 23       |
| 719260-11650 | 4        | 31       |
| 719260-11660 | 4        | 35       |
| 719260-23600 | 8        | 29       |
| 719260-23610 | 8        | 37       |
| 719265-01560 | 1        | 1        |
| 719265-92720 | 17       | 1        |
| 719266-51100 | 11       | - 1      |
| 719620-53700 | 13       | 1        |
| 977770-01212 | 2        | 35       |
|              | 3        | 16       |
|              | 17       | 29       |
| X0280210331  | 15       | 24       |
| X0280335100  | 15       | 35       |
| X0280626010  | 15       | 13       |
| X0280996180  | 15       | 4        |
| X0281007680  | 15       | 3        |
| X0282005871  | 15       | 7        |
| X0283006960  | 15       | 8        |
| X0284105010  | 15       | 14       |
| X0284525010  | 15       | 28       |
| X0285005770  | 15       | 11       |
| X0285105190  | 15       | 5        |
| X0285205030  | 15       | 6        |
| X0286105010  | 15       | 16       |
| X0286305010  | 15       | 18       |
| X0286355010  | 15       | 19       |
| X0287405140  | 15       | 20       |
| X0534007800  | 15       | 21       |
| X5128400875  | 15       | 9        |
| X9055715000  | 15       | 22       |
| X94900065670 | 15       | 34       |
| X9490138090  | 15       | 26       |
| X9490138100  | 15       | 27       |
| X9490138110  | 15       | 25       |
| X9490423520  | 15       | 31       |
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| X9491034330 | 15       | 15       |
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| X9491050100 | 15       | 10       |