YANMAR

PARTS CATALOG

0CV10-M65000EN

Last update Mar., 2013

PREFACE

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNE84T - EMP engine manufactured since March, 1999.

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

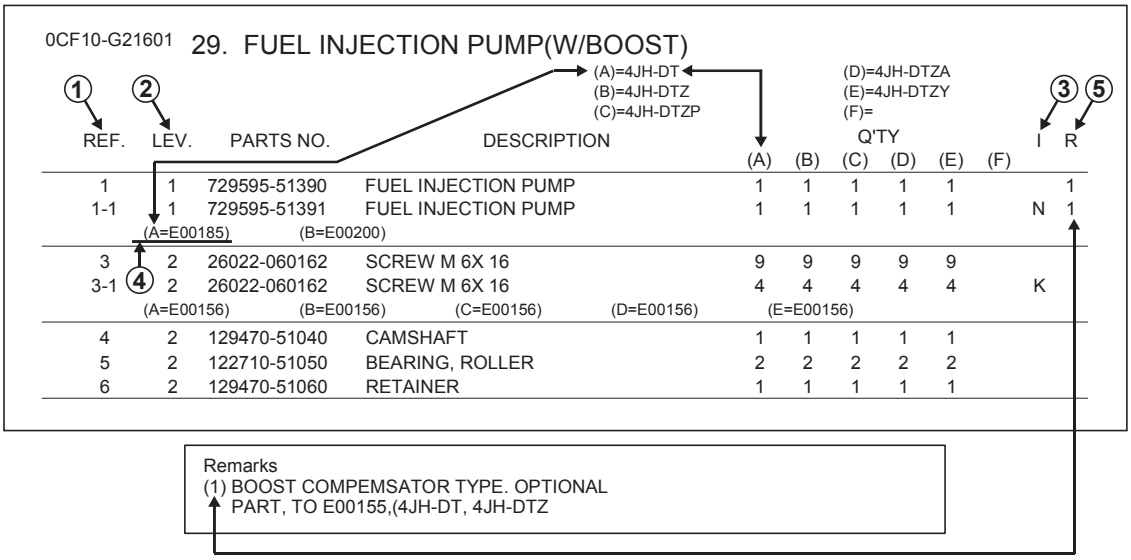
3. When ordering parts, clearly write down the engine model and serial number, as well as the name and number of each part in your order sheet. This will help insure reliable delivery of the parts you have ordered.

Directions for the Parts Catalog.

1.This Parts Catalog shows both standard and optional parts.

2.Parts may change without prior notice.

3.The following is an example of the Parts Catalog format.



0CF10-G21601 29. FUEL INJECTION PUMP(W/BOOST)

(A)=4JH-DT
(B)=4JH-DTZ
(C)=4JH-DTZP
(D)=4JH-DTZA
(E)=4JH-DTZY
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729595-51390	FUEL INJECTION PUMP	1	1	1	1	1			1
1-1	1	729595-51391	FUEL INJECTION PUMP	1	1	1	1	1		N	1
	(A=E00185)	(B=E00200)									
3	2	26022-060162	SCREW M 6X 16	9	9	9	9	9			
3-1	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

①Ref. 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.

②Lev. (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.

③Interchangeability Symbol

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

Symbol	Interchangeability	Contents note
N	Old ← Yes / No → New	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old ← No / Yes → New	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old ← Yes / Yes → New	New/ Old Parts are both interchangeable.
S	Old ← No / No → New	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.

④Effective 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.

⑤Remarks

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

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

Contents

Fig. No.	Fig. Name	Fig. No.	Fig. Name

3TNE84T-EMP

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

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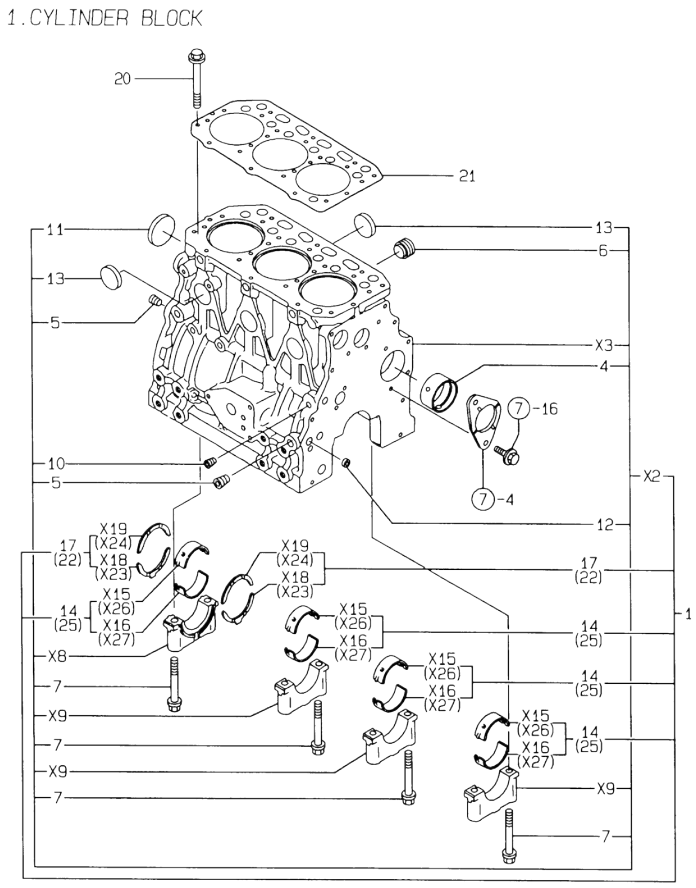
Fig.1. CYLINDER BLOCK



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

(A)=3TNE84T-EMP
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729012-01560	BLOCK ASSY, CYLINDER	1							
4	3	129795-02411	BUSH, CAMSHAFT	1							
5	3	124160-01910	PLUG, PT1/4	3							
6	3	171051-01921	PLUG, NPTF1	1							
7	3	129150-02020	BOLT, METAL CAP	8							
10	3	23871-010000	PLUG, R01	1							
11	3	27231-500000	PLUG 50	1							
12	3	27241-120000	PLUG, 12	2							
13	3	27241-300000	PLUG 30	6							
14	2	129001-02800	BEARING, MAIN	4							
17	2	129150-02930	BEARING, THRUST	2							
20	1	129150-01200	BOLT, HEAD	14							
21	1	129002-01331	GASKET, HEAD	1							
22	1	129150-02940	BEARING, THRUST 0.25	2							1
25	1	129150-02870	BEARING, 0.25 US	4							2

N:Old ←Yes/No→ New. Q:Old ←No/Yes→ New. R:Old ←Yes/Yes→ New. S:Old ←No/No→ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

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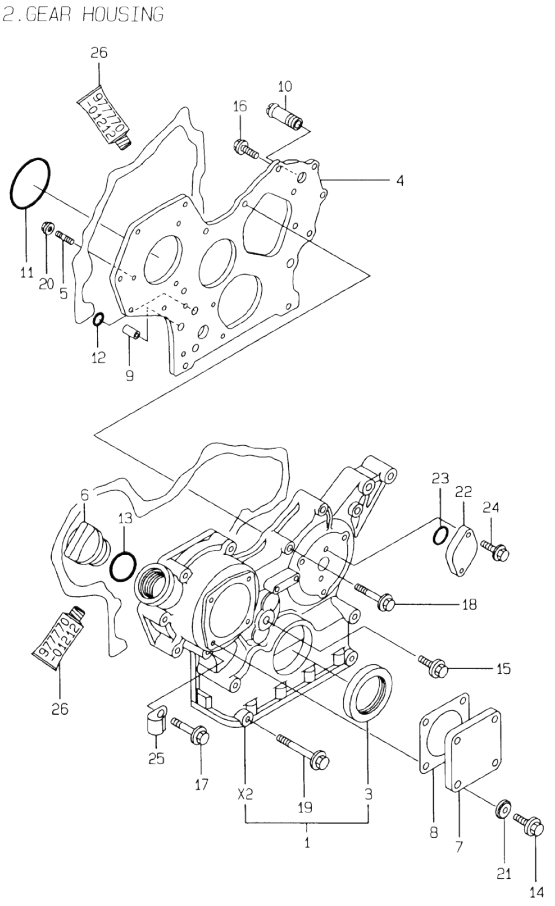
Fig.2. GEAR HOUSING



(A)=3TNE84T-EMP
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	719810-01500	CASE ASSY, GEAR	1							
3	2	129795-01800	SEAL, OIL	1							
4	1	129103-01530	FLANGE, GEAR CASE	1							
5	1	121450-01560	STUD, M8X22	3							
6	1	124160-01751	COVER, FILLER	1							
7	1	124240-01871	COVER	1							
8	1	124240-01883	GASKET	1							
9	1	129795-01950	PIPE, KNOCK L=18	2							
10	1	129122-44480	JOINT	1							
11	1	121850-51960	O-RING	1							
12	1	24311-000160	O-RING, 1AP16.0	2							
13	1	24311-000320	O-RING, 1AP32.0	1							
14	1	26106-080122	BOLT, M8X 12 PLATED	4							
15	1	26106-080162	BOLT, M8X 16 PLATED	1							
16	1	26106-080202	BOLT, M8X 20 PLATED	2							
17	1	26106-080452	BOLT, M8X 45 PLATED	6							
18	1	26106-080552	BOLT, M8X 55 PLATED	3							
19	1	129001-91840	BOLT, M8X85	4							
20	1	26366-080002	NUT, M8	3							
21	1	22190-080002	WASHER, SEAL 6	4							
22	1	121023-01550	COVER	1							
23	1	24341-000240	O-RING, 1AS24.0	1							
24	1	26106-060162	BOLT, M6X 16 PLATED	2							
25	1	129150-03100	RETAINER, PIPE	1							
26	1	977770-01212	GASKET, LIQUID	1							1

Remarks
(1) OPTIONAL PART.

N:Old $\overset{\text{Yes}}{\underset{\text{No}}{\leftarrow\rightarrow}}$ New. Q:Old $\overset{\text{No}}{\underset{\text{Yes}}{\leftarrow\rightarrow}}$ New. R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftarrow\rightarrow}}$ New. S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftarrow\rightarrow}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

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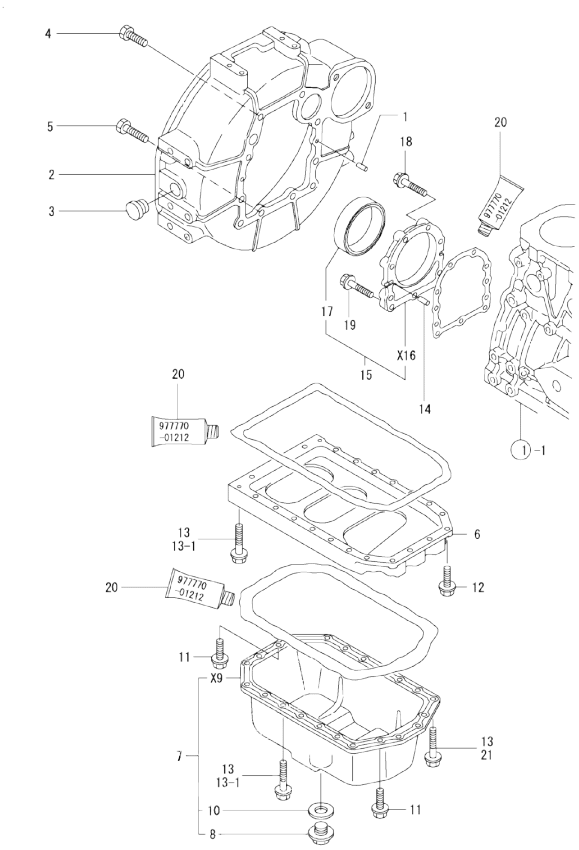
Fig.3. FLYWHEEL HOUSING & OIL SUMP



X-MARK PARTS:NOT SOLD SEPARATELY.

(A)=3TNE84T-EMP (D)=
(B)= (E)=
(C)= (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129100-01580	PIN, M8X16	2							
2	1	129612-01600	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	129100-01730	SPACER, OIL SUMP	1							
7	1	729102-01540	SUMP ASSY, OIL	1							
8	2	119640-01640	PLUG, DRAIN M22	1							
10	2	22190-220002	WASHER, SEAL 22	1							
11	1	26106-080162	BOLT, M8X 16 PLATED	4							
12	1	26106-080252	BOLT, M8X 25 PLATED	2							
13	1	26106-080452	BOLT, M8X 45 PLATED	20							
13-1	1	26106-080452	BOLT, M8X 45 PLATED	16						K	
	(A=FROM 1ST)										
14	1	129100-01580	PIN, M8X16	2							
15	1	129100-01640	CASE ASSY, OIL SEAL	1							
17	2	129795-01780	SEAL, OIL	1							
18	1	129486-01670	BOLT, M8X30	6							
19	1	26106-080352	BOLT, M8X 35 PLATED	3							
20	1	977770-01212	GASKET, LIQUID	1							1
21	1	26106-080502	BOLT, M8X 50 PLATED	4						W	
	(A=FROM 1ST)										

Remarks
(1) OPTIONAL PART.

N:Old $\overset{\text{Yes}}{\leftarrow\!\!\rightarrow}$ New. Q:Old $\overset{\text{No}}{\leftarrow\!\!\rightarrow}$ New. R:Old $\overset{\text{Yes}}{\leftarrow\!\!\rightarrow}$ New. S:Old $\overset{\text{No}}{\leftarrow\!\!\rightarrow}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

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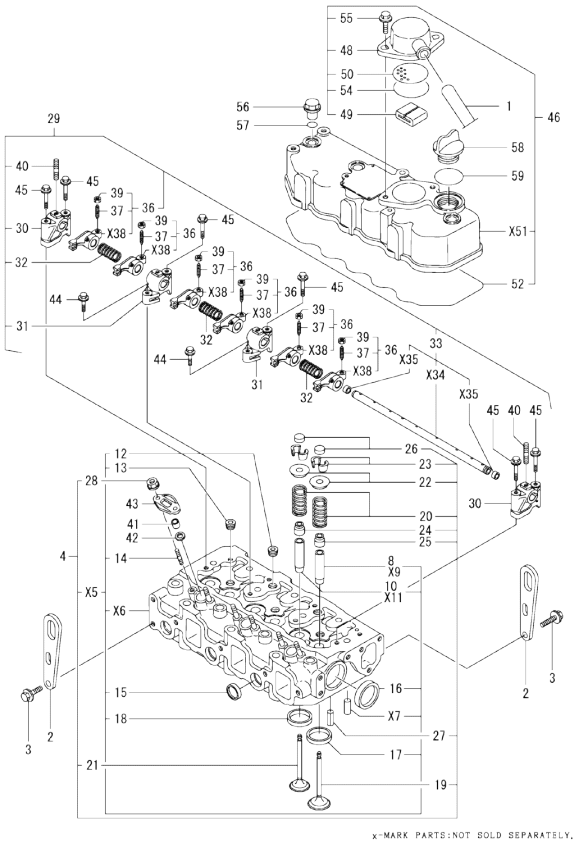
Fig.4. CYLINDER HEAD & BONNET



(A)=3TNE84T-EMP
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	171350-03090	PIPE , BREATHER 900	1							
2	1	124736-07900	LIFTER	2							
3	1	26106-080142	BOLT, M8X 14 PLATED	4							
4	1	729209-11100	HEAD ASSY, CYLINDER	1							
8	3	120130-11860	GUIDE, VALVE	3							1
10	3	129150-11810	GUIDE, VALVE	3							1
12	3	23871-020000	PLUG, R02	2							
13	3	23871-030000	PLUG, R03	3							
14	3	26216-060202	STUD, M6X 20	6							
15	3	27241-220000	PLUG, 22	3							
16	3	27241-400000	PLUG, 40	2							
17	3	129470-11080	SEAT, INTAKE VALVE	3							
18	3	129470-11090	SEAT, EXHAUST VALVE	3							
19	2	129100-11100	VALVE, INTAKE	3							
20	2	129795-11120	SPRING, VALVE	6							
21	2	129100-11130	VALVE, EXHAUST	3							
22	2	129795-11180	RETAINER, SPRING	6							
23	2	27310-080001	COTTER, 8	6							
24	2	121400-11340	SEAL, VALVE STEM	3							
25	2	124460-11340	SEAL, VALVE STEM	3							
26	2	129150-11370	CAP, VALVE	6							
27	2	22351-060012	PIN, SPRING 6.0X12	2							
28	2	26366-060002	NUT, M6	6							
29	1	129155-11241	SHAFT ASSY, ROCKER	1							
30	2	129155-11260	SUPPORT, ROCKER ARM	2							
31	2	129155-11270	SUPPORT, ROCKER ARM	2							
32	2	129150-11280	SPRING	3							
33	2	129150-11290	SHAFT, ROCKER ARM	1							
36	2	729402-11650	ARM ASSY, ROCKER	6							
37	3	129150-11230	SCREW, VALVE ADJUST	6							
39	3	129150-11750	NUT, M8	6							
40	2	26226-080182	STUD, M8X 18	3							
41	1	119625-11870	PROTECTOR, NOZZLE	3							
42	1	119625-11880	SEAT, NOZZLE	3							
43	1	119625-11900	RETAINER, NOZZLE	3							
44	1	26106-080252	BOLT, M8X 25 PLATED	2							
45	1	26106-080502	BOLT, M8X 50 PLATED	6							
46	1	129100-11350	BONNET ASSY, HEAD	1							
48	2	129150-03020	COVER, BREATHER	1							
49	2	129150-03070	BAFFLE, BREATHER	1							
50	2	129150-03080	PLATE, BAFFLE	1							
52	2	129150-11310	GASKET, BONNET	1							
54	2	24341-000500	O-RING, 1AS50.0	1							
55	2	26106-080162	BOLT, M8X 16 PLATED	2							
56	1	124160-11360	KNOB	3							
57	1	24311-000120	O-RING, 1AP12.0	3							
58	1	124160-01751	COVER, FILLER	1							
59	1	24311-000320	O-RING, 1AP32.0	1							

Remarks
(1) REPAIR PART.

N:Old ←Yes/No→ New. Q:Old ←No/Yes→ New. R:Old ←Yes/Yes→ New. S:Old ←No/No→ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

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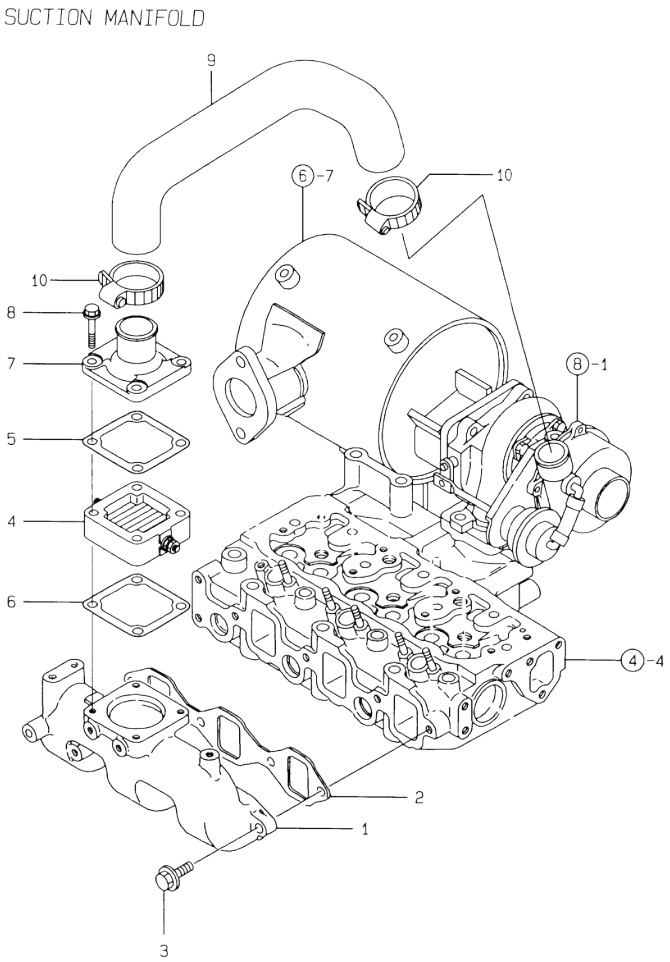
Fig.5. SUCTION MANIFOLD



(A)=3TNE84T-EMP
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129150-12100	MANIFOLD, AIR INTAKE	1							
2	1	129150-12111	GASKET, MANIFOLD	1							
3	1	26106-080252	BOLT, M8X 25 PLATED	4							
4	1	129100-77500	HEATER, AIR 12V	1							
5	1	129100-77510	GASKET	1							
6	1	129150-77511	GASKET	1							
7	1	129165-77520	BEND, AIR HEATER	1							
8	1	26106-080402	BOLT, M8X 40 PLATED	4							
9	1	129080-12010	PIPE, AIR INTAKE	1							
10	1	23000-054000	CLAMP, 54	2							

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

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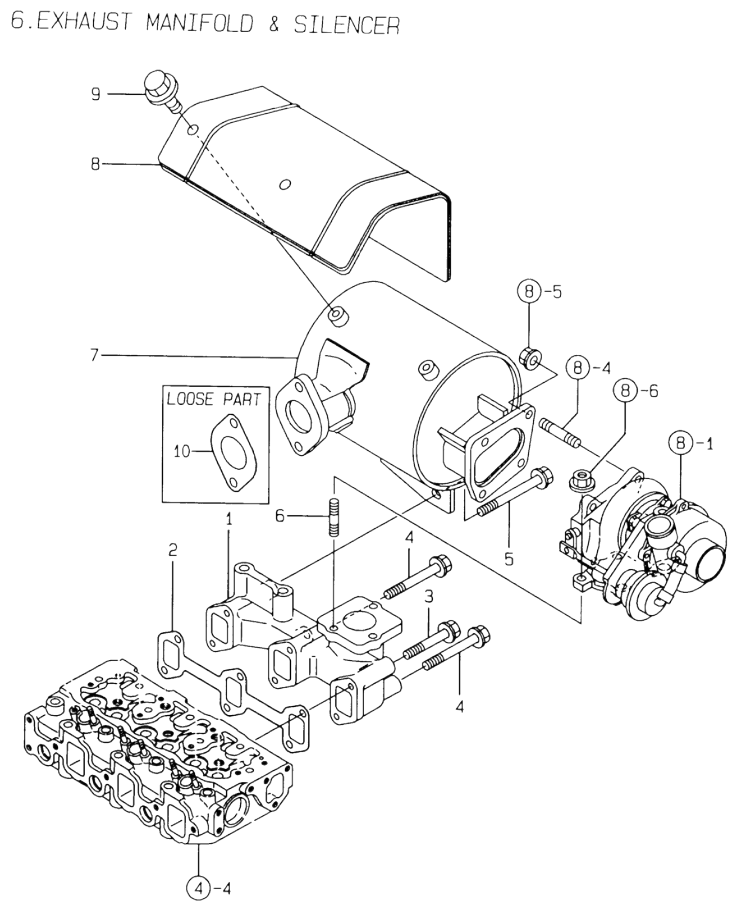
Fig.6. EXHAUST MANIFOLD & SILENCER



(A)=3TNE84T-EMP (D)=
(B)= (E)=
(C)= (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129103-13100	MANIFOLD, EXHAUST	1							
2	1	129150-13110	GASKET	1							
3	1	26106-080502	BOLT, M8X 50 PLATED	2							
4	1	26106-080602	BOLT, M8X 60 PLATED	3							
5	1	26106-080652	BOLT, M8X 65 PLATED	1							
6	1	119131-18320	STUD, M8X22	3							
7	1	129080-13500	SILENCER	1							
8	1	129165-13530	COVER, SILENCER	1							
9	1	26106-080102	BOLT, M8X 10 PLATED	4							
10	1	121130-13541	GASKET, SILENCER	1							

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

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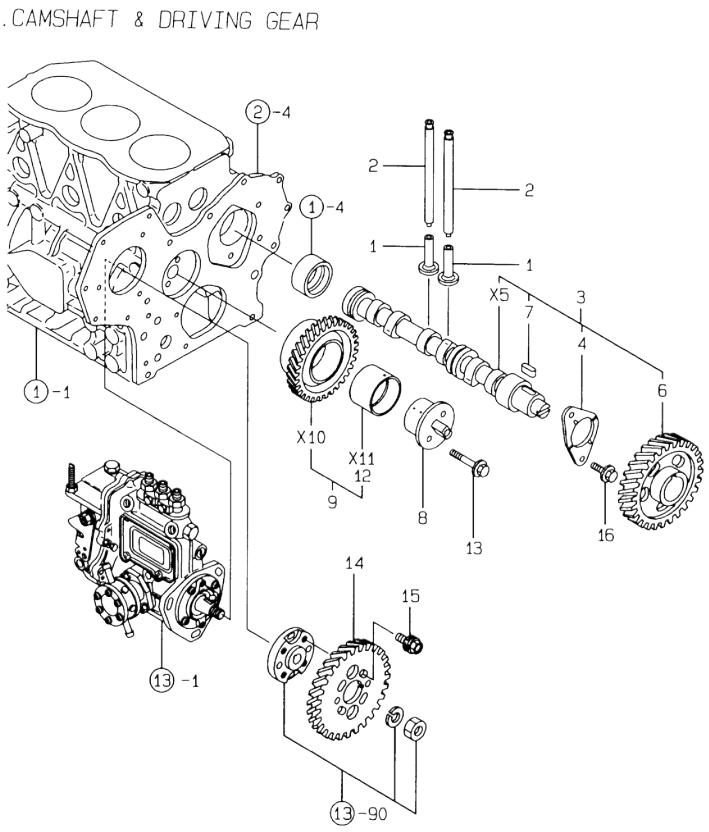
Fig.7. CAMSHAFT & DRIVING GEAR



(A)=3TNE84T-EMP
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129150-14200	TAPPET	6							
2	1	129150-14400	ROD, PUSH L=178	6							
3	1	129129-14580	CAMSHAFT ASSY	1							
4	2	129150-02450	BEARING, THRUST	1							
6	2	129150-14101	GEAR, CAMSHAFT	1							
7	2	22512-070140	KEY, 7X 14	1							
8	1	129100-25061	SHAFT, IDLE	1							
9	1	129150-25101	GEAR ASSY, IDLE	1							
12	2	129150-25920	BUSH, IDLE GEAR	1							1
13	1	26106-080452	BOLT, M8X 45 PLATED	2							
14	1	129150-25930	GEAR, PUMP	1							
15	1	129150-25301	BOLT	4							
16	1	26106-080142	BOLT, M8X 14 PLATED	2							

Remarks
(1) REPAIR PART.

N:Old $\overset{\text{Yes}}{\leftarrow\!\!\rightarrow}$ New. Q:Old $\overset{\text{No}}{\leftarrow\!\!\rightarrow}$ New. R:Old $\overset{\text{Yes}}{\leftarrow\!\!\rightarrow}$ New. S:Old $\overset{\text{No}}{\leftarrow\!\!\rightarrow}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

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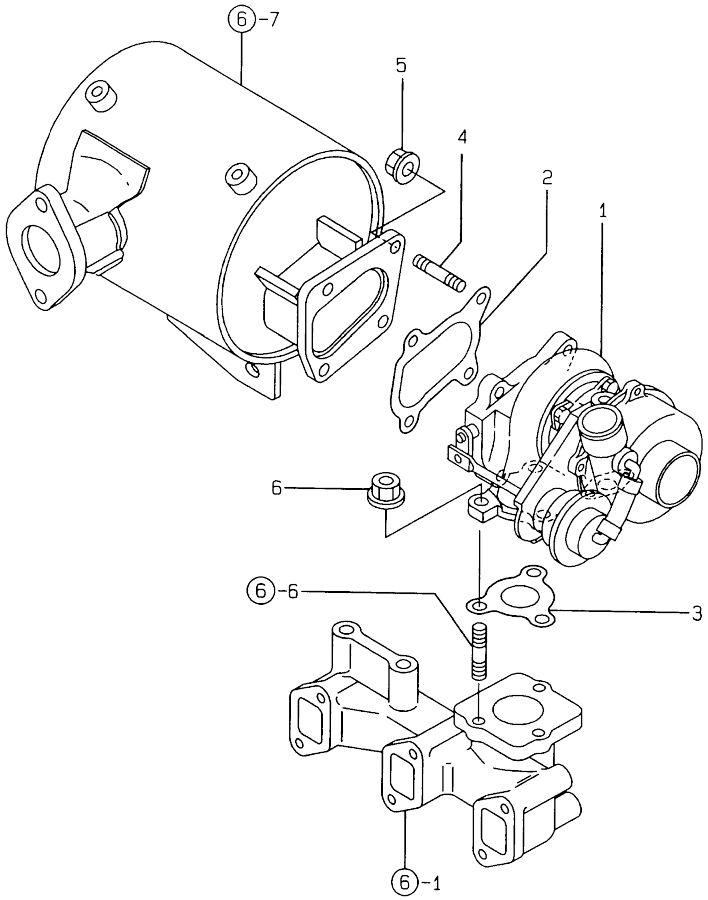
Fig.8. TURBINE

8. TURBINE



(A)=3TNE84T-EMP
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129080-18010	TURBINE, RHB31	1							
2	1	129403-18091	GASKET	1							
3	1	129477-18101	GASKET	1							
4	1	129418-18320	STUD, M8X20	4							
5	1	26366-080002	NUT, M8	4							
6	1	26366-080002	NUT, M8	3							

N:Old ←Yes/No→ New. Q:Old ←No/Yes→ New. R:Old ←Yes/Yes→ New. S:Old ←No/No→ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

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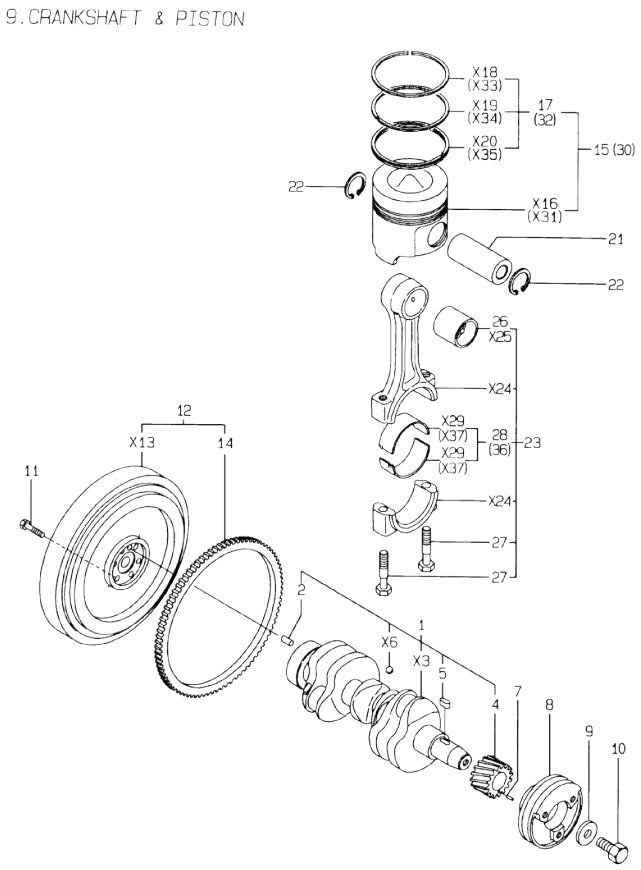
Fig.9. CRANKSHAFT & PISTON



(A)=3TNE84T-EMP
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129001-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	129150-21200	GEAR, CRANKSHAFT	1							
5	2	22512-070140	KEY, 7X 14	1							
7	1	22351-040010	PIN, SPRING 4.0X10	1							
8	1	171340-21650	V-PULLEY	1							
9	1	129795-21661	WASHER	1							
10	1	121850-21680	BOLT	1							
11	1	121111-21501	BOLT, FLYWHEEL	6							
12	1	171340-21580	FLYWHEEL ASSY	1							
14	2	119865-21600	GEAR, RING	1							
15	1	129002-22060	PISTON ASSY	3							
17	2	129002-22510	RING SET, PISTON	3							
21	1	129202-22300	PIN, PISTON D26 L70	3							
22	1	22252-000260	RING, 26	6							
23	1	729402-23100	ROD ASSY, CONNECTING	3							
26	2	129100-23910	BEARING, PISTON PIN	3							1
27	2	121550-23200	BOLT, CONNECTING ROD	6							
28	2	129150-23600	BEARING, CRANK PIN	3							
30	1	129002-22930	PISTON ASSY, 0.25 OS	3							2
32	2	129002-22960	RING SET, 0.25 OS	3							2
36	1	129150-23610	BEARING, 0.25 US	3							3

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

N:Old $\overset{\text{Yes}}{\leftarrow\!\!\rightarrow}$ New. Q:Old $\overset{\text{No}}{\leftarrow\!\!\rightarrow}$ New. R:Old $\overset{\text{Yes}}{\leftarrow\!\!\rightarrow}$ New. S:Old $\overset{\text{No}}{\leftarrow\!\!\rightarrow}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

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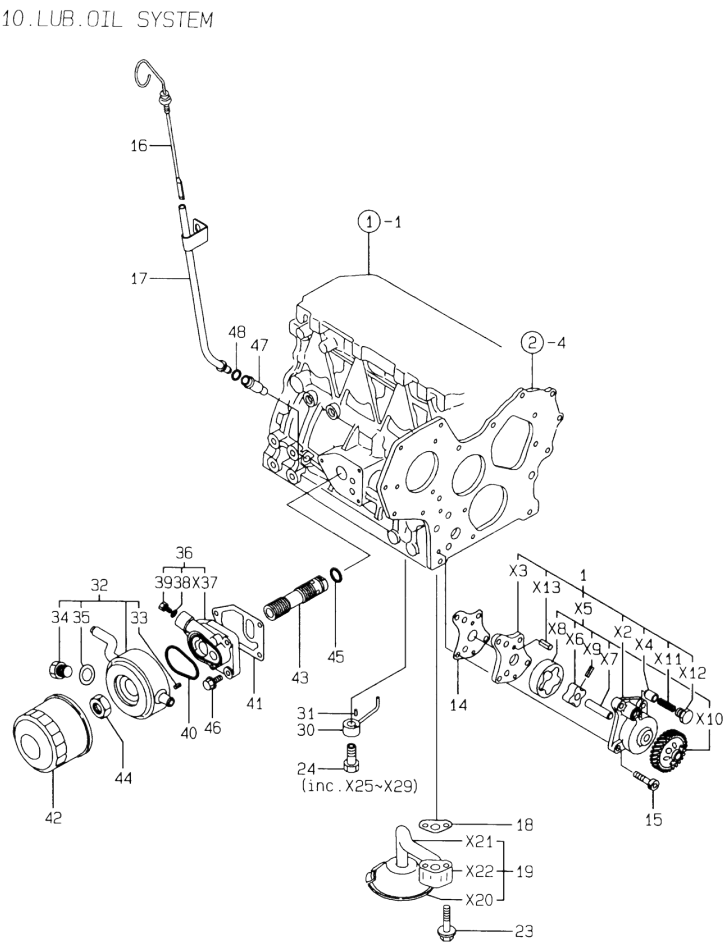
Fig.10. LUB.OIL SYSTEM



(A)=3TNE84T-EMP
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129418-32000	PUMP ASSY, OIL	1							
14	1	129150-32020	GASKET, PUMP	1							
15	1	26450-060252	BOLT, M6X 25	4							
16	1	129080-34800	DIPSTICK, OIL	1							
17	1	129080-34810	GUIDE, DIPSTICK	1							
18	1	129150-35041	GASKET	1							
19	1	129150-35091	PIPE ASSY, OIL INLET	1							
23	1	26106-080352	BOLT, M8X 35 PLATED	2							
24	1	129792-39410	VALVE ASSY, CHECK	3							
30	1	129553-39650	NOZZLE	3							
31	1	22351-030010	PIN, SPRING 3.0X10	3							
32	1	129012-33000	COOLER ASSY, OIL	1							
33	2	129120-33040	PIN	2							
34	2	129120-33051	PLUG, DRAIN	1							
35	2	129120-33060	GASKET	1							
36	1	129120-35001	BRACKET ASSY	1							
38	2	23414-100000	GASKET, 10X1.0	1							
39	2	23881-100002	PLUG, 10	1							
40	1	129120-35110	GASKET	1							
41	1	129120-35121	GASKET	1							
42	1	129150-35151	FILTER, D80XL80	1							
43	1	129407-35300	BOLT, FILTER	1							
44	1	129150-35350	NUT	1							
45	1	24311-000160	O-RING, 1AP16.0	1							
46	1	26106-080252	BOLT, M8X 25 PLATED	3							
47	1	119260-34810	GUIDE, DIPSTICK	1							
48	1	24311-240100	O-RING, 1AP10A	1							

N:Old $\overset{\text{Yes}}{\leftarrow\!\!\rightarrow}$ New. Q:Old $\overset{\text{No}}{\leftarrow\!\!\rightarrow}$ New. R:Old $\overset{\text{Yes}}{\leftarrow\!\!\rightarrow}$ New. S:Old $\overset{\text{No}}{\leftarrow\!\!\rightarrow}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

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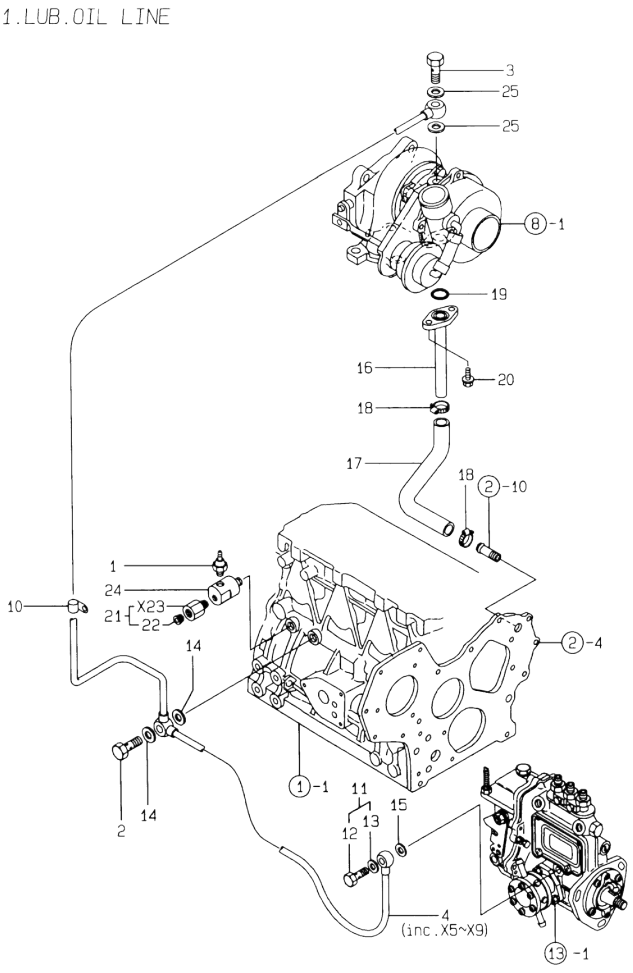
Fig.11. LUB.OIL LINE



(A)=3TNE84T-EMP (D)=
(B)= (E)=
(C)= (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	124160-39450	SWITCH, 0.5KG	1							
2	1	124160-39140	BOLT, PIPE JOINT M10	1							
3	1	105010-39140	BOLT, PIPE JOINT	1							
4	1	129189-39030	PIPE, OIL	1							
10	1	124223-39900	RETAINER	1							
11	1	124550-59830	BOLT ASSY, JOINT M8	1							
12	2	124550-59820	BOLT, PIPE JOINT M8	1							
13	2	22190-080002	WASHER, SEAL 6	1							
14	1	23414-100000	GASKET, 10X1.0	2							
15	1	22190-080002	WASHER, SEAL 6	1							
16	1	129122-39600	PIPE, OIL	1							
17	1	129103-39611	JOINT, PIPE	1							
18	1	23000-022000	CLAMP, 22	2							
19	1	24314-000160	O-RING, 4CP16.0	1							
20	1	26106-060162	BOLT, M6X 16 PLATED	2							
21	1	119285-39600	ADAPTER	1							
22	2	119285-01730	PLUG, NPT1/8	1							
24	1	129270-39610	DAMPER, PT1/8	1							
25	1	23414-080000	GASKET, 8X1.0	2							

N:Old ←Yes/No→ New. Q:Old ←No/Yes→ New. R:Old ←Yes/Yes→ New. S:Old ←No/No→ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

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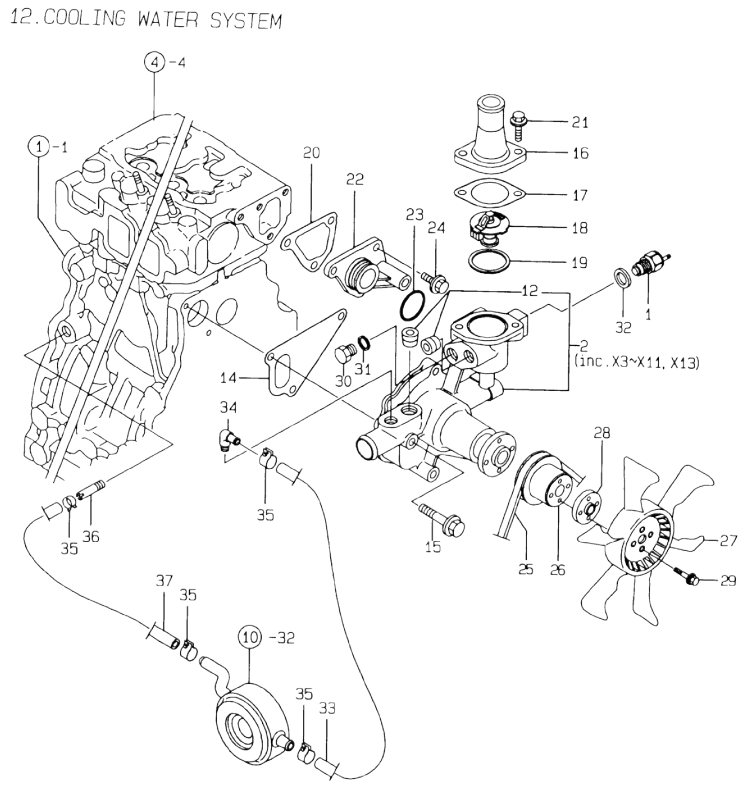
Fig.12. COOLING WATER SYSTEM



(A)=3TNE84T-EMP (D)=
(B)= (E)=
(C)= (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	121250-44901	SWITCH, 110	1							
2	1	129001-42002	PUMP ASSY, WATER	1							
12	2	23871-030000	PLUG, R03	2							
14	1	129100-42020	GASKET, WATER PUMP	1							
15	1	26106-080602	BOLT, M8X 60 PLATED	3							
16	1	129350-49560	COVER, THERMOSTAT	1							
17	1	129795-49551	GASKET	1							
18	1	129155-49800	THERMOSTAT, 71	1							
19	1	129150-49811	GASKET, THERMOSTAT	1							
20	1	129100-49840	GASKET	1							
21	1	26106-080202	BOLT, M8X 20 PLATED	2							
22	1	129001-42040	JOINT	1							
23	1	24321-000300	O-RING, 1AG30.0	1							
24	1	26106-080162	BOLT, M8X 16 PLATED	3							
25	1	25132-003800	V-BELT, A38	1							
26	1	129403-42380	V-PULLEY, D=110	1							
27	1	171340-44740	FAN, COOLING D335XNF	1							
28	1	124574-44761	SPACER, FAN	1							
29	1	26014-060252	BOLT, M6X 25	4							
30	1	121450-42450	PLUG, M16	1							
31	1	124465-44950	GASKET, 16	1							
32	1	124465-44950	GASKET, 16	1							
33	1	129403-49050	PIPE, WATER	1							
34	1	129103-49301	ELBOW, PT1/4	1							
35	1	23000-022000	CLAMP, 22	4							
36	1	129122-44480	JOINT	1							
37	1	129012-49030	HOSE, WATER	1							

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

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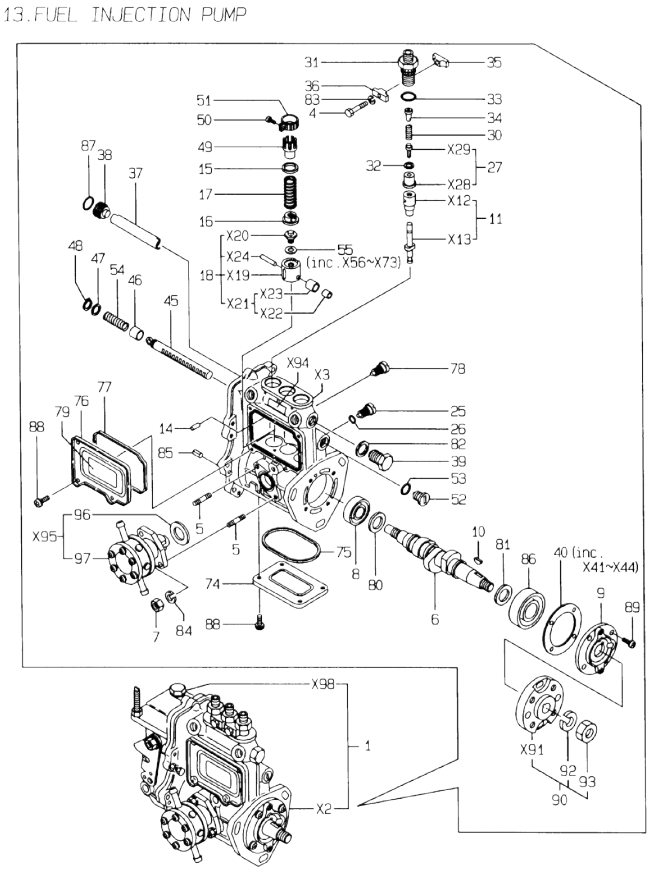
Fig.13. FUEL INJECTION PUMP



Remarks
(1)GOVERNOR(FIG.14)IS INCORPORATED
IN THIS FUEL INJECTION PUMP.
(REF.NO.1).

(A)=3TNE84T-EMP
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729080-51450	PUMP ASSY, INJECTION	1							1
4	3	26116-050302	BOLT, M5X 30 PLATED	2							
5	3	129155-51020	STUD	2							
6	3	129171-51040	CAMSHAFT	1							
7	3	26716-060002	NUT, M6	2							
8	3	129155-51050	BEARING, 17BM001D	1							
9	3	129208-51060	SUPPORT	1							
10	3	122710-51090	KEY	1							
11	3	129470-51101	PLUNGER ASSY	3							
14	3	129155-51140	PIN	3							
15	3	174307-51170	RETAINER, SPRING A	3							
16	3	129155-51180	RETAINER, SPRING	3							
17	3	124950-51190	SPRING, PLUNGER	3							
18	3	129155-51200	TAPPET ASSY	3							
25	3	129155-51270	STOPPER, TAPPET	3							
26	3	129155-51280	O-RING, S6	3							
27	3	129209-51300	VALVE ASSY, DELIVERY	3							
30	3	129573-51330	SPRING, DELIVERY	3							
31	3	129573-51340	RETAINER	3							
32	3	124550-51350	GASKET, DELIVERY	3							
33	3	124550-51370	O-RING	3							
34	3	129573-51370	STOPPER, VALVE	3							
35	3	129155-51380	STOPPER	2							
36	3	129155-51390	STOPPER	2							
37	3	129155-51400	DEFLECTOR	1							
38	3	129155-51410	BOLT	1							
39	3	129155-51420	PLUG, M16	1							
40	3	129155-51450	SHIM SET, ADJUSTING	1							
45	3	129155-51500	RACK, CONTROL	1							
46	3	129155-51521	BUSH, RACK	1							
47	3	129155-51530	SPACER	1							
48	3	129155-51540	CIRCLIP	1							
49	3	129155-51550	PINION, CONTROL	3							
50	3	122117-51560	SCREW	3							
51	3	174307-51560	PINION	3							
52	3	129155-51570	PLUG, M12	1							
53	3	129155-51580	O-RING	1							
54	3	129155-51591	SPRING, RACK	1							
55	3	129155-51600	SHIM SET, ADJUSTING	3							
74	3	129155-51700	COVER	1							
75	3	129155-51710	GASKET	1							
76	3	129155-51750	COVER	1							
77	3	129155-51760	GASKET	1							
78	3	129155-51790	STOOPER, RACK	1							
79	3	129156-51910	LABEL, CAUTION	1							
80	3	129155-51930	SPACER, T=3.25	1							
81	3	129155-51940	SPACER, T=1.5	1							
82	3	22190-160002	WASHER, SEAL 16	1							
83	3	22217-050000	WASHER, SPRING 5	2							
84	3	22217-060000	WASHER, SPRING 6	2							
85	3	22351-050010	PIN, SPRING 5.0X10	2							

N:Old ←Yes/No→ New. Q:Old ←No/Yes→ New. R:Old ←Yes/Yes→ New. S:Old ←No/No→ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

++ CONTINUE ++

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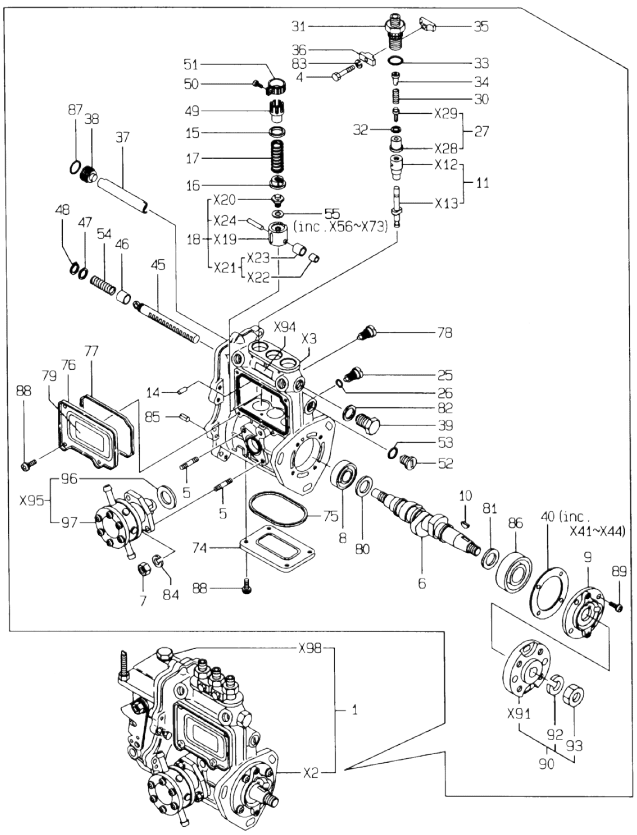
Fig.13. FUEL INJECTION PUMP

13.FUEL INJECTION PUMP



Remarks
(1)GOVERNOR(FIG.14)IS INCORPORATED
IN THIS FUEL INJECTION PUMP.
(REF.NO.1).

(A)=3TNE84T-EMP
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
86	3	24101-063034	BEARING, BALL 6303	1							
87	3	24341-000160	O-RING, 1AS16.0	1							
88	3	26022-050102	SCREW, M5X10	8							
89	3	26022-060162	SCREW, M6X16	4							
90	3	129208-54500	FLANGE ASSY	1							
92	4	22217-120000	WASHER, SPRING 12	1							
93	4	26716-120002	NUT, M12	1							
96	3	129155-52050	GASKET	1							
97	3	129100-52100	PUMP ASSY, FUEL FEED	1							

N:Old $\overset{\text{Yes}}{\leftarrow\!\!\rightarrow}$ New. Q:Old $\overset{\text{No}}{\leftarrow\!\!\underset{\text{Yes}}{\rightarrow}}$ New. R:Old $\overset{\text{Yes}}{\underset{\text{Yes}}{\leftarrow\!\!\rightarrow}}$ New. S:Old $\overset{\text{No}}{\underset{\text{No}}{\leftarrow\!\!\rightarrow}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

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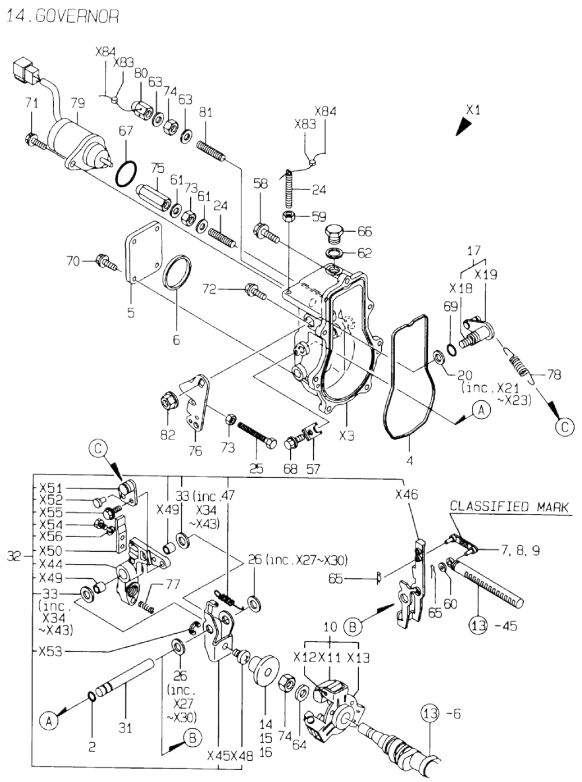
Fig.14. GOVERNOR



Remarks
(1) SELECTIVE PARTS: CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REFER TO ILLUSTRATION).
(2) SELECTIVE PARTS.
* THIS FIGURE(GOVERNOR ASSY)IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY(FIG.13).

(A)=3TNE84T-EMP (D)=
(B)= (E)=
(C)= (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
2	3	129155-51280	O-RING, S6	1							
4	3	129052-61050	GASKET	1							
5	3	129052-61060	COVER, GOVERNOR CASE	1							
6	3	129052-61070	GASKET	1							
7	3	129155-61120	LINK, L=30 MARK 0	1							1
8	3	129155-61130	LINK, L=31 MARK 1	1							1
9	3	129155-61140	LINK, L=30.5 MARK 05	1							1
10	3	129155-61201	WEIGHT ASSY,GOVERNOR	1							
14	3	129155-61341	SLEEVE	1							2
15	3	129155-61350	SLEEVE, L=24.9	1							2
16	3	129155-61360	SLEEVE, L=25.2	1							2
17	3	129100-61400	SHAFT ASSY	1							
20	3	129155-61430	SPACER	1							
24	3	129155-61450	BOLT, LIMITER	2							
25	3	129155-61460	BOLT, IDLE	1							
26	3	129155-61480	SPACER ASSY	2							
31	3	129052-61390	SHAFT	1							
32	3	129052-61500	LEVER ASSY, GOVERNOR	1							
33	4	174307-51700	SHIM SET	2							
47	4	129052-61540	SPRING, SET	1							
57	3	119660-61901	RETAINER, SHAFT	1							
58	3	129155-61950	BOLT	1							
59	3	124550-66370	NUT, M6	1							
60	3	22117-040000	WASHER, 4	1							
61	3	22190-060003	SEAL WASER 6	2							
62	3	22190-100002	WASHER, SEAL 10	1							
63	3	22190-120002	WASHER, SEAL 12	2							
64	3	22287-120000	WASHER, 12	1							
65	3	22372-040000	PIN, SNAP 4	2							
66	3	23887-100002	PLUG, 10	1							
67	3	24341-000280	O-RING, 1AS28.0	1							
67-1	3 (A=EXXXXX)	158552-61900	O-RING	1							N
68	3	26106-060102	BOLT, M6X 10 PLATED	1							
69	3	129155-61830	O-RING, S10	1							
70	3	26106-060102	BOLT, M6X 10 PLATED	4							
71	3	26106-060142	BOLT, M6X 14 PLATED	2							
72	3	26106-060202	BOLT, M6X 20 PLATED	6							
73	3	26756-060002	NUT, LOCK M6	2							
74	3	26776-120002	NUT, LOCK M12	2							
75	3	119600-66840	NUT, CAP	1							
76	2	129100-61440	LEVER, CONTROL	1							
77	2	129100-61650	SPRING, CONTROLLER	1							
78	2	171353-61700	SPRING, GOVERNOR	1							
79	2	119653-77950	SOLENOID, STOP	1							
80	2	129100-61930	NUT, CAP	1							
81	2	129155-61470	BOLT, CONTROL	1							
82	2	26366-080002	NUT, M8	1							

N:Old ◂Yes/No▸ New. Q:Old ◂No/Yes▸ New. R:Old ◂Yes/Yes▸ New. S:Old ◂No/No▸ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

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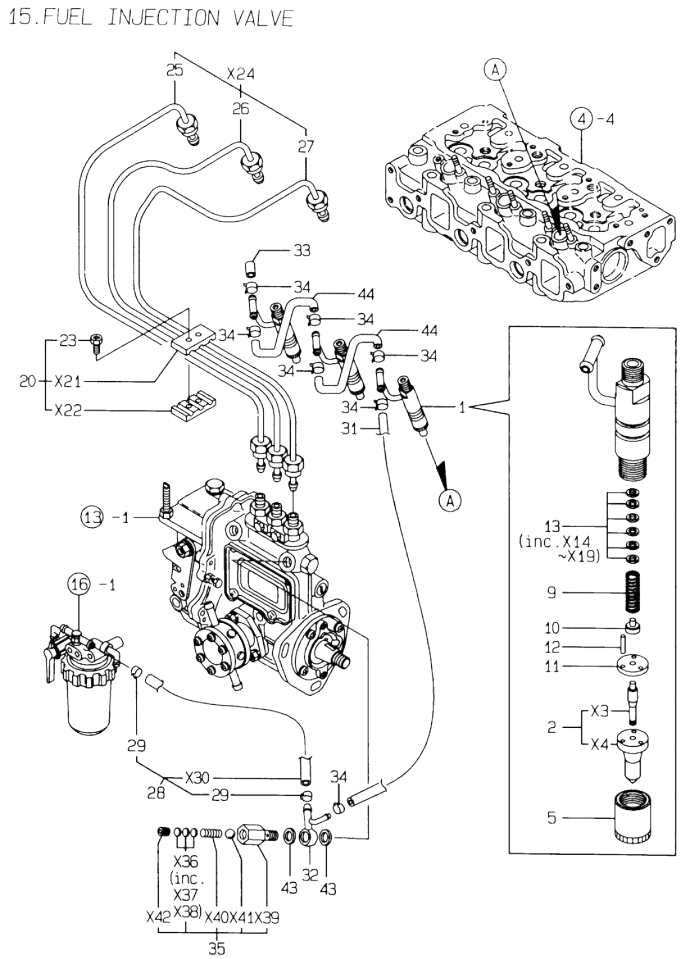
Fig.15. FUEL INJECTION VALVE



x-MARK PARTS: NOT SOLD SEPARATELY.

(A)=3TNE84T-EMP (D)=
(B)= (E)=
(C)= (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729103-53100	VALVE ASSY,INJECTION	3							
2	2	129103-53000	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
9	2	114250-53120	SPRING, NOZZLE	3							
10	2	114250-53130	SEAT, SPRING	3							
11	2	114250-53140	PLATE	3							
12	2	114250-53210	PIN	6							
13	2	114250-53400	SHIM SET	3							
20	1	129150-59120	RETAINER, PIPE	1							
23	2	129150-59131	BOLT, M4X14	2							
25	2	129211-59810	PIPE ASSY, INJECTION	1							
26	2	129211-59820	PIPE ASSY, INJECTION	1							
27	2	129211-59830	PIPE ASSY, INJECTION	1							
28	1	129210-59130	PIPE ASSY, FUEL	1							
29	2	124766-59050	CLIP, HOSE 12	2							
31	1	119840-59560	PIPE, FUEL RETURN	1							
32	1	119840-59570	JOINT	1							
33	1	129150-59580	CAP	1							
34	1	124066-59100	CLIP, HOSE 8	7							
35	1	129100-59951	VALVE ASSY, CHECK	1							
43	1	23414-120000	GASKET, 12X1.0	2							
44	1	121250-59550	PIPE, FUEL D8X120	2							

N:Old $\overset{\text{Yes}}{\leftarrow\!\rightarrow}$ New. Q:Old $\overset{\text{No}}{\leftarrow\!\rightarrow}$ New. R:Old $\overset{\text{Yes}}{\leftarrow\!\rightarrow}$ New. S:Old $\overset{\text{No}}{\leftarrow\!\rightarrow}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

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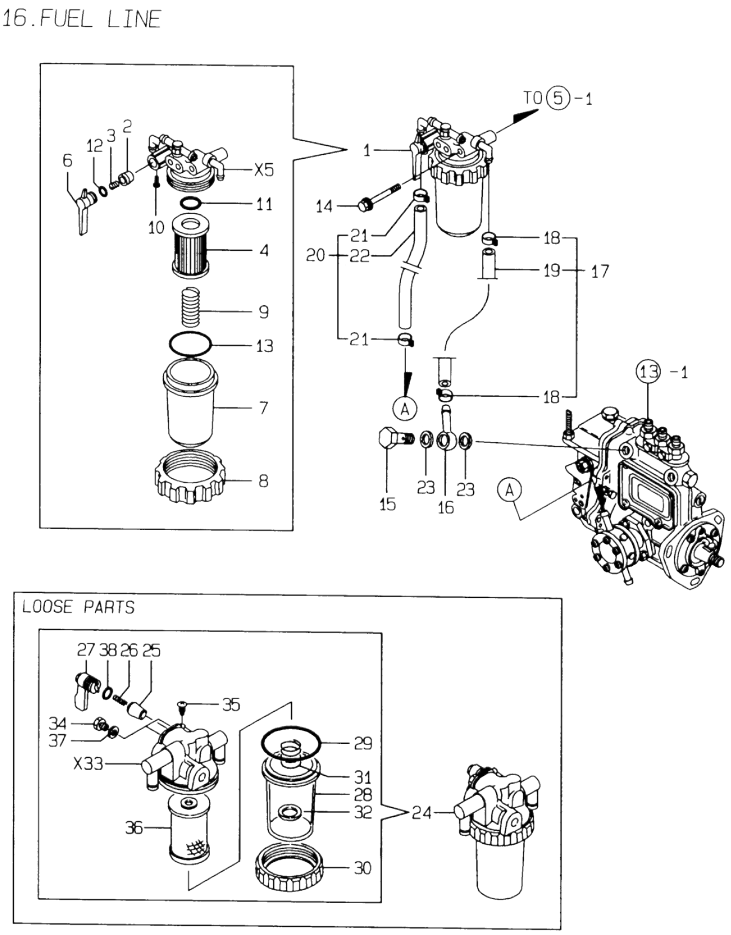
Fig.16. FUEL LINE



(A)=3TNE84T-EMP (D)=
(B)= (E)=
(C)= (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129052-55620	FILTER ASSY, FUEL	1							
2	2	104200-55321	VALVE, TAPER	1							
3	2	104200-55330	SPRING, VALVE	1							
4	2	129100-55650	ELEMENT	1							
6	2	129100-55670	LEVER	1							
7	2	129100-55680	CUP, STRAINER	1							
8	2	129100-55690	RING, RETAINING	1							
9	2	129100-55700	SPRING	1							
10	2	104200-55750	SCREW, M4	1							
11	2	24311-000160	O-RING, 1AP16.0	1							
12	2	24311-240100	O-RING, 1AP10A	1							
13	2	24321-000650	O-RING, 1AG65.0	1							
14	1	26014-080702	BOLT, M8X 70	1							
15	1	103854-39140	BOLT, PIPE JOINT	1							
16	1	101304-59020	JOINT, PIPE 12	1							
17	1	129210-59040	PIPE ASSY, FUEL	1							
18	2	124766-59050	CLIP, HOSE 12	2							
20	1	129210-59150	PIPE ASSY, FUEL	1							
21	2	124766-59050	CLIP, HOSE 12	2							
23	1	22190-120002	WASHER, SEAL 12	2							
24	1	129335-55700	SEPARATOR ASSY,WATER	1							
25	2	104200-55321	VALVE, TAPER	1							
26	2	104200-55330	SPRING, VALVE	1							
27	2	104200-55341	HANDLE	1							
28	2	124064-55510	COVER	1							
29	2	102103-55520	O-RING	1							
30	2	110250-55610	RING, RETAINING	1							
31	2	121257-55720	SPRING	1							
32	2	121257-55731	FLOAT	1							
34	2	101720-55750	PLUG, 6	2							
35	2	104200-55750	SCREW, M4	1							
36	2	171081-55910	SCREEN	1							
37	2	23418-060000	GASKET, 6X1.0	2							
38	2	24311-240100	O-RING, 1AP10A	1							

N:Old ←Yes/No→ New. Q:Old ←No/Yes→ New. R:Old ←Yes/Yes→ New. S:Old ←No/No→ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

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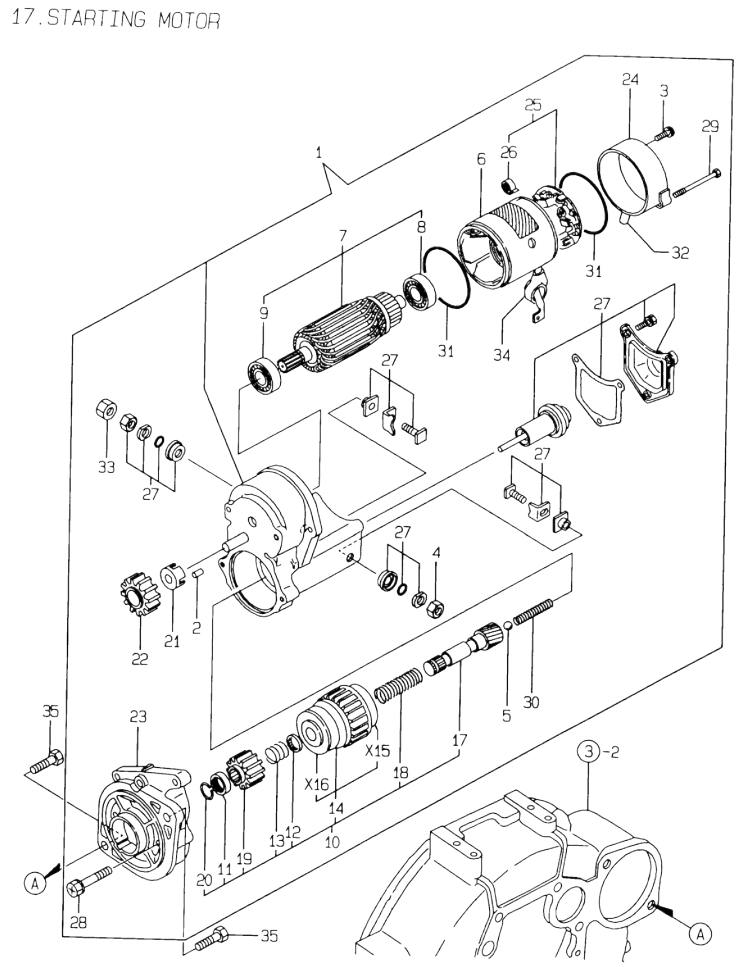
Fig.17. STARTING MOTOR



(A)=3TNE84T-EMP (D)=
(B)= (E)=
(C)= (F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129129-77010	STARTER ASSY	1							
2	2	X0283060061	ROLLER	5							
3	2	129129-77460	SCREW	2							
4	2	X9490561370	NUT	1							
5	2	X9491200240	BALL	1							
6	2	129129-77210	YOKE ASSY	1							
7	2	129129-77220	ARMATURE ASSY	1							
8	3	129129-77230	BEARING	1							
9	3	129129-77240	BEARING	1							
10	2	129129-77250	STARTER	1							
11	3	X0280210230	NUT	1							
12	3	X0283270140	RETAINER	1							
13	3	X9491703371	SPRING, COIL	1							
14	3	129129-77390	CLUTCH ASSY	1							
17	3	129129-77400	SHAFT	1							
18	3	129129-77410	SPRING, COIL	1							
19	3	129129-77420	PINION, STARTER	1							
20	3	129129-77430	RING	1							
21	2	129129-77260	RETAINER	1							
22	2	129129-77270	PINION	1							
23	2	129129-77280	HOUSING	1							
24	2	129129-77290	FRAME	1							
25	2	129129-77300	HOLDER ASSY	1							
26	3	X9491730461	SPRING	4							
27	2	129129-77310	SWITCH ASSY	1							
28	2	129129-77320	BOLT	2							
29	2	129129-77330	BOLT	2							
30	2	129129-77340	SPRING	1							
31	2	129129-77350	O-RING	2							
32	2	129129-77362	COVER	1							
33	2	129129-77370	NUT	1							
34	2	129129-77380	CAP	1							
35	1	26116-120252	BOLT, M12X 25 PLATED	2							

N:Old ←Yes/No→ New. Q:Old ←No/Yes→ New. R:Old ←Yes/Yes→ New. S:Old ←No/No→ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

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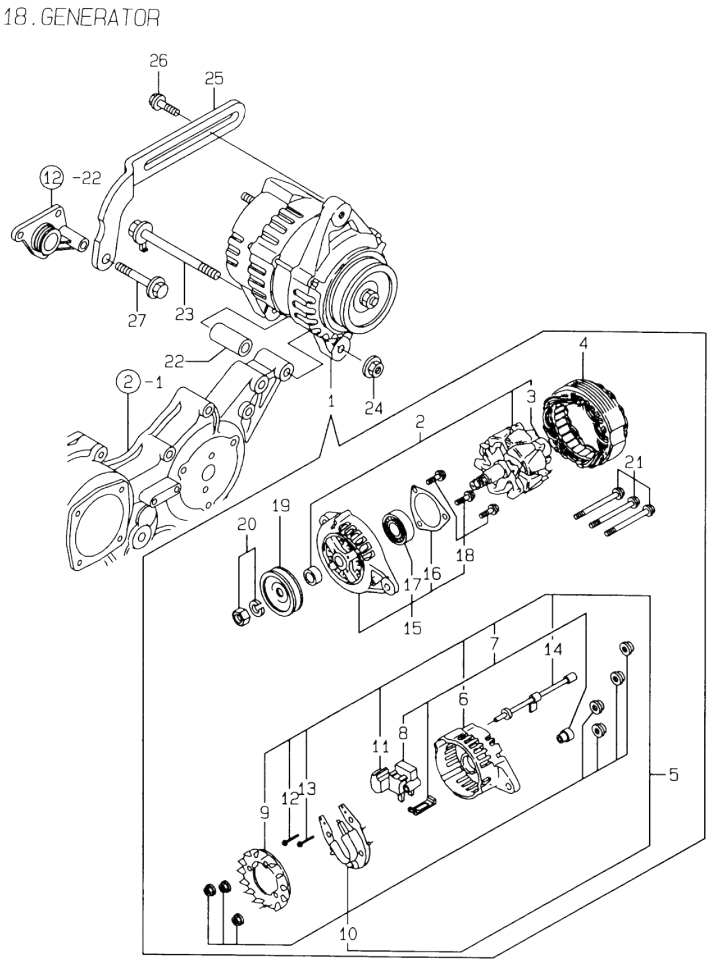
Fig.18. GENERATOR



(A)=3TNE84T-EMP
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119836-77200	GENERATOR	1							
2	2	119836-77700	ROTOR ASSY	1							
3	3	119836-77850	BALL BEARING	1							
4	2	119836-77710	STATOR ASSY	1							
5	2	119836-77721	COVER ASSY, REAR	1							
6	3	119836-77730	COVER, REAR	1							
7	3	119836-77741	BRUSH ASSY,REGULATOR	1							
8	4	119836-77750	BRUSH ASSY	1							
9	3	119836-77760	GUIDE, FAN SIDE	1							
10	3	119836-77770	DIODE ASSY	1							
11	3	119836-77780	CONDENSER	1							
12	3	119836-77871	BOLT (1)	1							
13	3	119836-77880	BOLT (2)	1							
14	3	119836-77890	WIRE ASSY, LEAD	1							
15	2	119836-77790	COVER ASSY, FRONT	1							
16	3	119836-77800	RETAINER, BEARING	1							
17	3	119836-77840	BALL BEARING	1							
18	3	119836-77860	SCREW KID	1							
19	2	119836-77810	PULLEY	1							
20	2	119836-77820	NUT ASSY, PULLEY	1							
21	2	119836-77830	BOLT, THROUGH	1							
22	1	119820-77340	PIECE, DISTANCE	1							
23	1	129136-77251	BOLT, M8X110	1							
24	1	129612-77260	NUT, ALTERNATOR	1							
25	1	129100-77330	ADJUSTER	1							
26	1	119810-77340	BOLT, ADJUSTER	1							
27	1	26106-080502	BOLT, M8X 50 PLATED	1							

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

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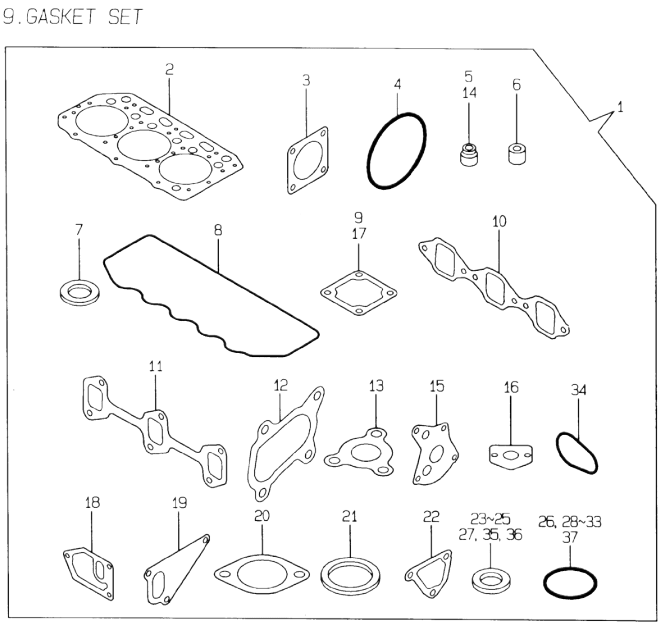
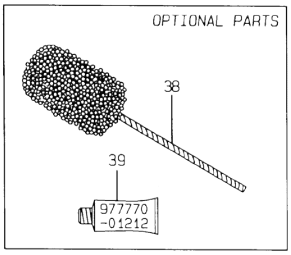
0CV10-M65000

Fig.19. GASKET SET





(A)=3TNE84T-EMP
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty (A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729002-92720	GASKET SET	1							1
2	2	129002-01331	GASKET, HEAD	1							
3	2	124240-01883	GASKET	1							
4	2	121850-51960	O-RING	1							
5	2	124460-11340	SEAL, VALVE STEM	3							
6	2	119625-11870	PROTECTOR, NOZZLE	3							
7	2	119625-11880	SEAT, NOZZLE	3							
8	2	129150-11310	GASKET, BONNET	1							
9	2	129150-77511	GASKET	1							
10	2	129150-12111	GASKET, MANIFOLD	1							
11	2	129150-13110	GASKET	1							
12	2	129403-18091	GASKET	1							
13	2	129477-18101	GASKET	1							
14	2	121400-11340	SEAL, VALVE STEM	3							
15	2	129150-32020	GASKET, PUMP	1							
16	2	129150-35041	GASKET	1							
17	2	129100-77510	GASKET	1							
18	2	129120-35121	GASKET	1							
19	2	129100-42020	GASKET, WATER PUMP	1							
20	2	129795-49551	GASKET	1							
21	2	129150-49811	GASKET, THERMOSTAT	1							
22	2	129100-49840	GASKET	1							
23	2	129155-52050	GASKET	1							
24	2	23414-120000	GASKET, 12X1.0	2							
25	2	23414-100000	GASKET, 10X1.0	2							
26	2	24311-000120	O-RING, 1AP12.0	3							
27	2	124465-44950	GASKET, 16	2							
28	2	24311-000160	O-RING, 1AP16.0	3							
29	2	24311-000320	O-RING, 1AP32.0	2							
30	2	24341-000240	O-RING, 1AS24.0	1							
31	2	24341-000500	O-RING, 1AS50.0	1							
32	2	24321-000300	O-RING, 1AG30.0	1							
33	2	24314-000160	O-RING, 4CP16.0	1							
34	2	129120-35110	GASKET	1							
35	2	22190-080002	WASHER, SEAL 6	6							
36	2	23414-080000	GASKET, 8X1.0	2							
37	2	24311-240100	O-RING, 1AP10A	1							
38	1	129400-92420	HONE	1							1
39	1	977770-01212	GASKET, LIQUID	1							1

Remarks
(1) OPTIONAL PART.

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

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121850-51960	2	11
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129100-11130	4	21
129100-11350	4	46
129100-23910	9	26
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129129-77340	17	30
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129150-02870	1	25
129150-02930	1	17
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174307-51560	13	51
174307-51700	14	33
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