

0CV10-M83900EN

P R E F A C E

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNE84T—EBM engine manufactured since December, 2001.
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.

OCF10-G21601 29. FUEL INJECTION PUMP(W/BOOST)										
REF.	LEV.	PARTS NO.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)	
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 Symbol

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

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

④ Effective Machine No.

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

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

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

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

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

⑤ Remarks

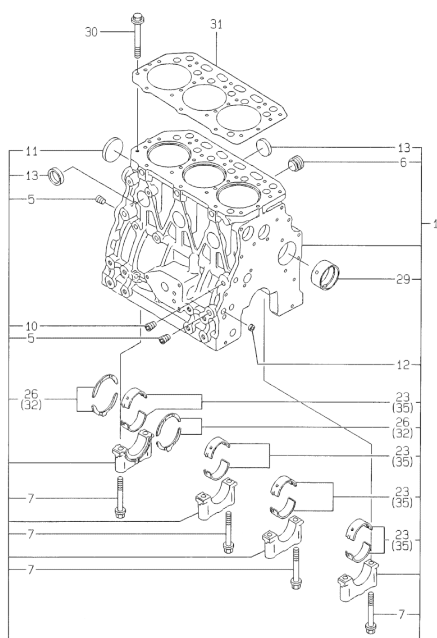
Figures or alphabets (symbols) are entered in the remarks column.

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

Contents

Fig. No.	Fig. Name	Fig. No.	Fig. Name
3TNE84T-EBM			
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	MOUNTING FLANGE & 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		

Fig.1. CYLINDER BLOCK



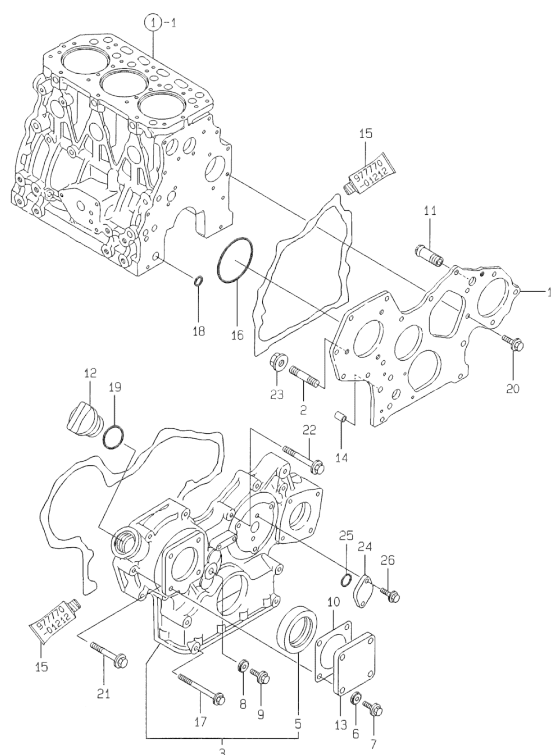
Remarks

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

				(A)=3TNE84T-EBM					(D)=		
				(B)=					(E)=		
				(C)=					(F)=		
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty	(D)	(E)	(F)	I R
1	1	729012-01580	BLOCK ASSY, CYLINDER	1							
5	2	124160-01910	PLUG, PT1/4	3							
6	2	171051-01921	PLUG, NPPTF1	1							
7	2	129150-02020	BOLT, METAL CAP	8							
10	2	23876-010000	PLUG, R01	1							
11	2	129001-01250	PLUG, 50	1							
12	2	27241-120000	PLUG, 12	2							
13	2	27241-300000	PLUG 30	6							
23	2	129001-02930	BEARING, MAIN	4							3
26	2	129150-02930	BEARING, THRUST	2							
29	2	129795-02411	BUSH, CAMSHAFT	1							
30	1	129150-01200	BOLT, HEAD	14							
31	1	129002-01331	GASKET, HEAD	1							
32	1	129150-02940	BEARING, THRUST 0.25	2							1
35	1	129150-02870	BEARING, 0.25 US	4							

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

Fig.2. GEAR HOUSING



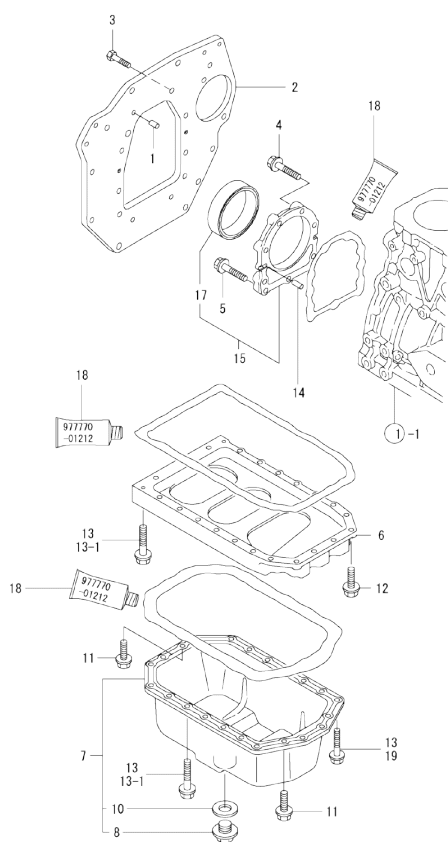
Remarks

(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129189-01520	FLANGE, GEAR CASE	1							
2	1	121450-01560	STUD, M8X22	3							
3	1	171353-01580	CASE ASSY, GEAR	1							
5	2	129795-01800	SEAL, OIL	1							
6	1	22190-080002	WASHER, SEAL 6	4							
7	1	26106-080122	BOLT, M8X 12 PLATED	4							
8	1	22190-080002	WASHER, SEAL 6	1							
9	1	26106-080162	BOLT, M8X 16 PLATED	1							
10	1	124240-01883	GASKET	1							
11	1	129122-44480	JOINT	1							
12	1	124160-01751	COVER, FILLER	1							
13	1	124240-01871	COVER	1							
14	1	129795-01950	PIPE, KNOCK L=18	2							
15	1	977770-01212	GASKET, LIQUID	1							
16	1	121850-51960	O-RING	1							
17	1	129001-91841	BOLT, M8X85	4							
18	1	119609-32040	O-RING, P16	2							
19	1	24311-000320	O-RING, 1AP32.0	1							
20	1	26106-080162	BOLT, M8X 16 PLATED	3							
21	1	26106-080452	BOLT, M8X 45 PLATED	6							
22	1	26106-080552	BOLT, M8X 55 PLATED	3							
23	1	26306-080002	NUT, M8	3							
24	1	121023-01550	COVER	1							
25	1	24341-000240	O-RING, 1AS24.0	1							
26	1	26106-060162	BOLT, M6X 16 PLATED	2							

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

Fig.3. MOUNTING FLANGE & OIL SUMP

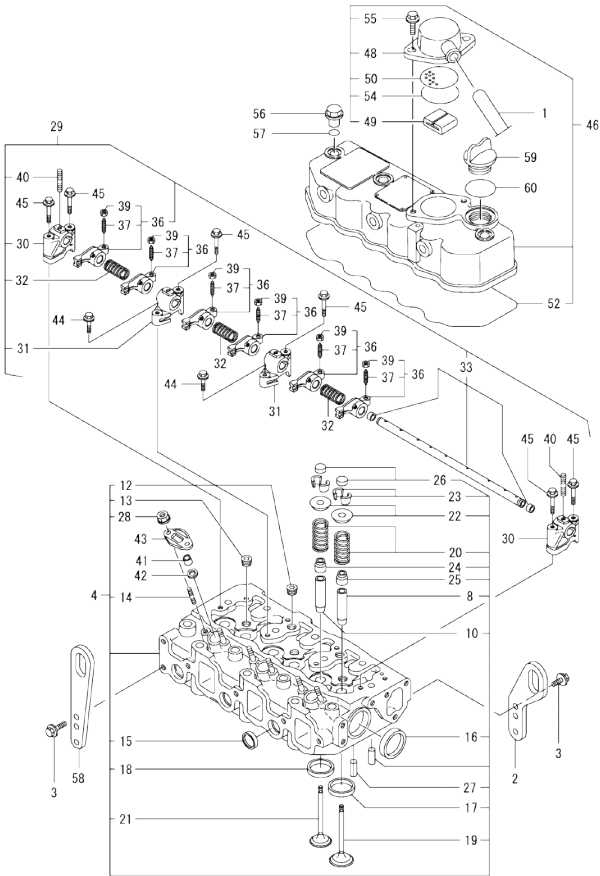
Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	(A)=3TNE84T-EBM			(D)=			I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2							
2	1	129129-01600	FLANGE, MOUNTING	1							
3	1	26206-100202	BOLT, M10X 20 PLATED	8							
4	1	129486-01670	BOLT, M8X30	6							
5	1	26106-080352	BOLT, M8X 35 PLATED	3							
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	977770-01212	GASKET, LIQUID	1							1
19	1	26106-080502	BOLT, M8X 50 PLATED	4							W
(A=FROM 1ST)											

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.4. CYLINDER HEAD & BONNET



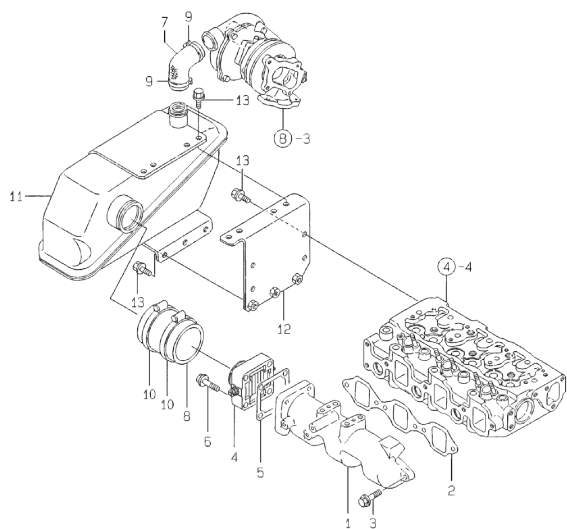
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171350-03090	PIPE , BREATHER 900	1							
2	1	129486-07901	LIFTER	1							
3	1	26106-080162	BOLT, M8X 16 PLATED	4							
4	1	729209-11100	HEAD ASSY, CYLINDER	1							1
8	2	120130-11860	GUIDE, VALVE	3							
10	2	129150-11810	GUIDE, VALVE	3							1
12	2	23876-020000	PLUG, R02	2							
13	2	23876-030000	PLUG, R03	3							
14	2	26216-060202	STUD, M6X 20	6							
15	2	27241-220000	PLUG, 22	3							
16	2	27241-400000	PLUG, 40	2							
17	2	129470-11080	SEAT, INTAKE VALVE	3							
18	2	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	729132-11521	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	129900-07900	LIFTER	1							
59	1	124160-01751	COVER, FILLER	1							
60	1	24311-000320	O-RING, 1AP32.0	1							

Remarks

(1) REPAIR PART.

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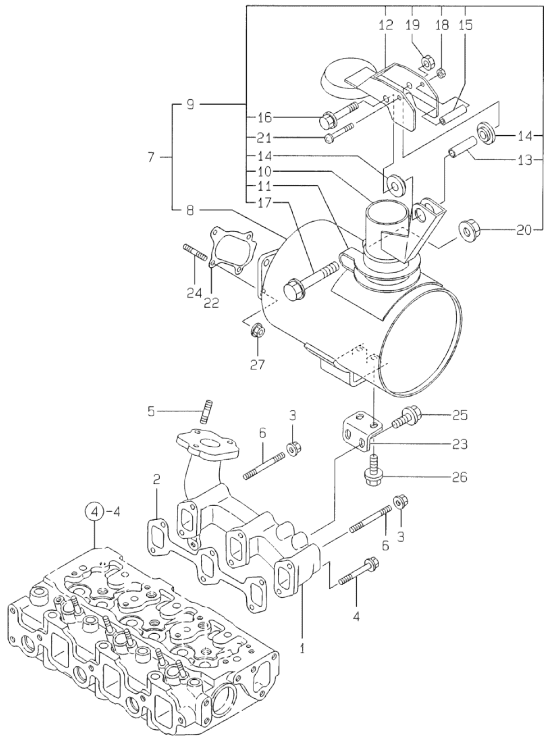
Fig.5. SUCTION MANIFOLD



				(A)=3TNE84T-EBM (B)= (C)=	(D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129122-12100	MANIFOLD, AIR INTAKE	1							
2	1	129150-12111	GASKET, MANIFOLD	1							
3	1	26106-080252	BOLT, M&X 25 PLATED	4							
4	1	129120-77501	HEATER	1							
5	1	129150-77511	GASKET	1							
6	1	26106-080352	BOLT, M&X 35 PLATED	4							
7	1	129139-12050	HOSE, WATER	1							
8	1	129122-12060	HOSE	1							
9	1	23000-041000	CLAMP, 41	2							
10	1	23000-060000	CLAMP, 60	2							
11	1	129139-12200	TANK, SURGE	1							
12	1	129122-12211	BRACKET	1							
13	1	26106-080162	BOLT, M&X 16 PLATED	11							

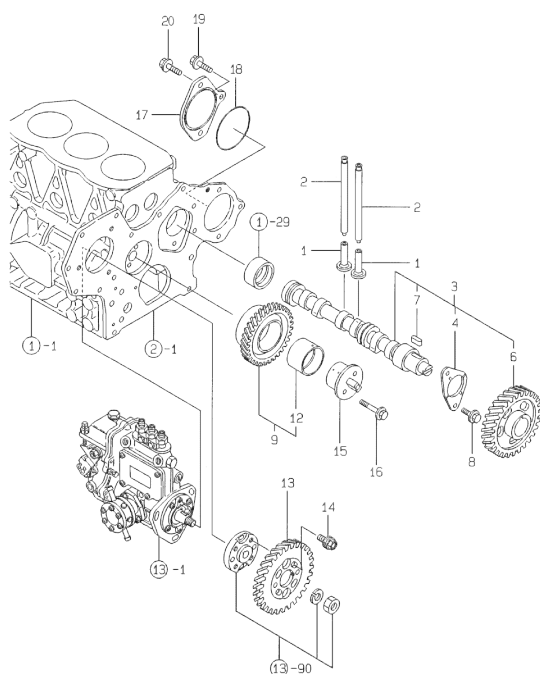
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Fig.6. EXHAUST MANIFOLD & SILENCER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129139-13100	MANIFOLD, EXHAUST	1							
2	1	129150-13110	GASKET	1							
3	1	26306-080002	NUT, M8	2							
4	1	26106-080802	BOLT, M8X 80 PLATED	4							
5	1	119131-18320	STUD, M8X22	3							
6	1	26216-080802	STUD, M8X 80	2							
7	1	129080-13510	SILENCER ASSY	1							
8	2	129080-13520	SILENCER	1							
9	2	129420-13540	PIPE ASSY, TAIL	1							
10	3	129420-13550	PIPE, TAIL	1							
11	3	121850-13580	CLAMP	1							
12	3	128300-13640	CAP	1							
13	3	121855-13821	SPACER, A	1							
14	3	121855-13830	SPACER, B	2							
15	3	123500-13840	SPACER, C	1							
16	3	26106-060402	BOLT, M6X 40 PLATED	1							
17	3	26106-100602	BOLT, M10X 60 PLATED	1							
18	3	26347-040002	NUT, M4	1							
19	3	26347-060002	NUT, M6	1							
20	3	26306-100002	NUT, M10	1							
21	3	26557-040352	SCREW, M4X35	1							
22	1	129403-18091	GASKET	1							
23	1	129322-18150	BRACKET	1							
24	1	119131-18320	STUD, M8X22	4							
25	1	26106-080142	BOLT, M8X 14 PLATED	2							
26	1	26106-080202	BOLT, M8X 20 PLATED	2							
27	1	26306-080002	NUT, M8	4							

Fig.7. CAMSHAFT & DRIVING GEAR



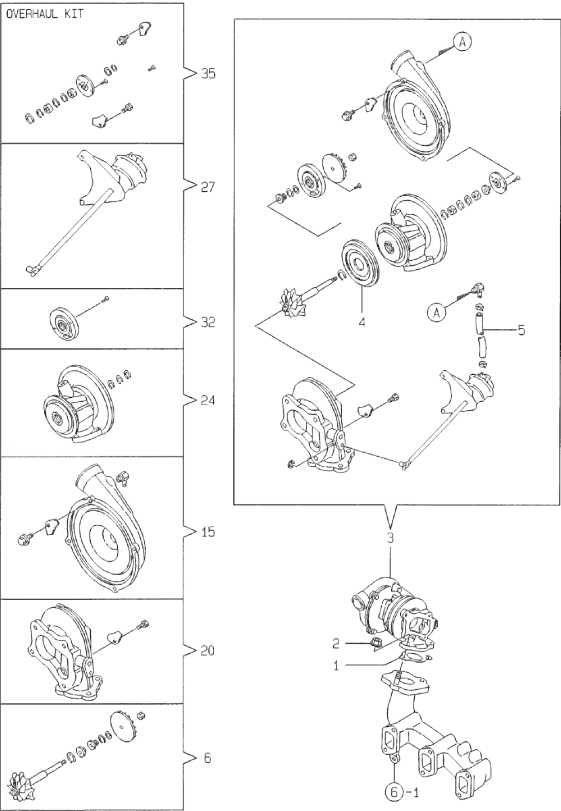
Remarks
(1) REPAIR PART.

				(A)=3TNE84T-EBM	(D)=							
				(B)=	(E)=							
				(C)=	(F)=							
No.	Lev.	Parts No.	Description	(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	26106-080142	BOLT, M8X 14 PLATED	2								
9	1	129150-25101	GEAR ASSY, IDLE	1								
12	2	129150-25920	BUSH, IDLE GEAR	1							1	
13	1	129150-25931	GEAR, PUMP	1								
14	1	129150-25301	BOLT	4								
15	1	129100-25061	SHAFT, IDLE	1								
16	1	26106-080452	BOLT, M8X 45 PLATED	2								
17	1	129430-26070	COVER	1								
18	1	24321-000800	O-RING, 1AG80.0	1								
19	1	26106-080252	BOLT, M8X 25 PLATED	1								
20	1	26106-100302	BOLT, M10X 30 PLATED	2								

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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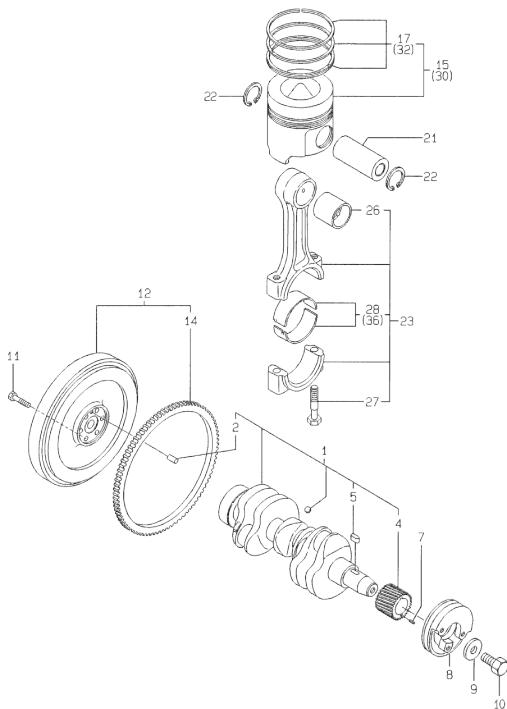
Fig.8. TURBINE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129535-18100	GASKET	1							
2	1	26306-080002	NUT, M8	3							
3	1	129137-18010	TURBINE, RHB31W/G	1							
4	2	129403-18720	PROTECTOR, HEAT	1							
5	2	129403-18750	HOSE	1							
6	2	129403-18770	ROTOR ASSY, TURBO	1							
15	2	129403-18780	HOUSING ASSY, BLOWER	1							
20	2	XNB139825	HOUSING ASSY, TURBO	1							
24	2	129403-18800	HOUSING ASSY	1							
27	2	XNB139826	CONTROL ASSY	1							
32	2	XNB139815	SEAL PLATE ASSY	1							
35	2	XNB139827	OVERHAUL KIT	1							

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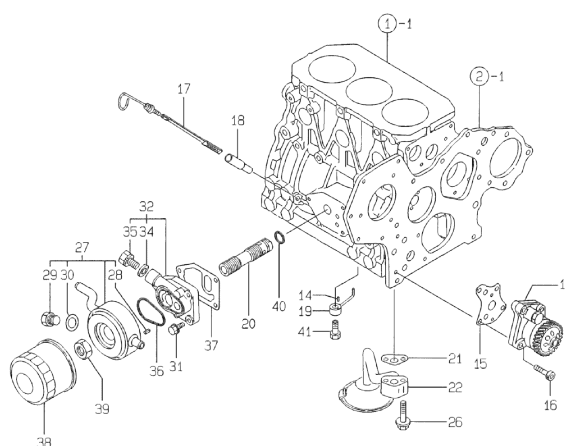
Fig.9. CRANKSHAFT & PISTON



No.	Lev.	Parts No.	Description	(A)=3TNE84T-EBM (B)= (C)=						Q'ty	I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	129001-21100	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	129128-21590	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	4								3

Remarks

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

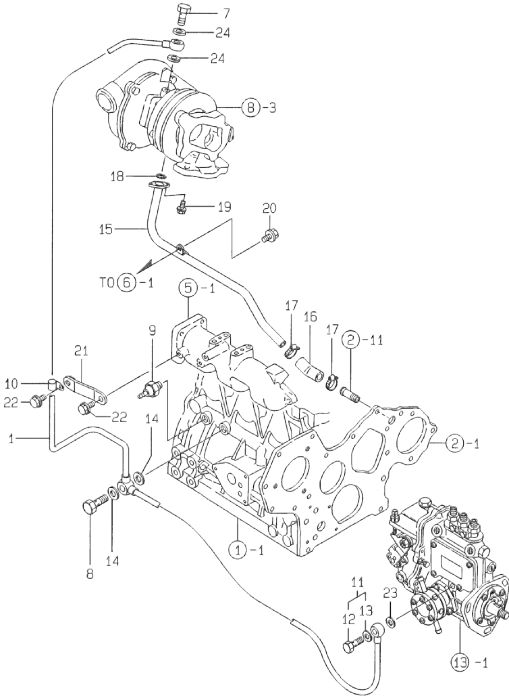


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129418-32000	PUMP ASSY, OIL	1							
14	1	22351-030010	PIN, SPRING 3.0X10	3							
15	1	129150-32020	GASKET, PUMP	1							
16	1	26450-060252	BOLT, M6X 25	4							
17	1	171420-34800	DIPSTICK, OIL	1							
18	1	121520-34810	GUIDE, DIPSTICK	1							
19	1	129553-39650	NOZZLE	3							
20	1	129407-35300	BOLT, FILTER	1							
21	1	129150-35041	GASKET	1							
22	1	129150-35091	PIPE ASSY, OIL INLET	1							
26	1	26106-080352	BOLT, M8X 35 PLATED	2							
27	1	129012-33000	COOLER ASSY, OIL	1							
28	2	129120-33040	PIN	2							
29	2	129120-33051	PLUG, DRAIN	1							
30	2	129120-33060	GASKET	1							
31	1	26106-080252	BOLT, M8X 25 PLATED	3							
32	1	129120-35001	BRACKET ASSY	1							
34	2	23414-100000	GASKET, 10X1.0	1							
35	2	23881-100002	PLUG, 10	1							
36	1	129120-35110	GASKET	1							
37	1	129120-35121	GASKET	1							
38	1	129150-35151	FILTER, D80XL80	1							
39	1	129150-35350	NUT	1							
40	1	24311-000160	O-RING, 1AP16.0	1							
41	1	129792-39410	VALVE ASSY, CHECK	3							

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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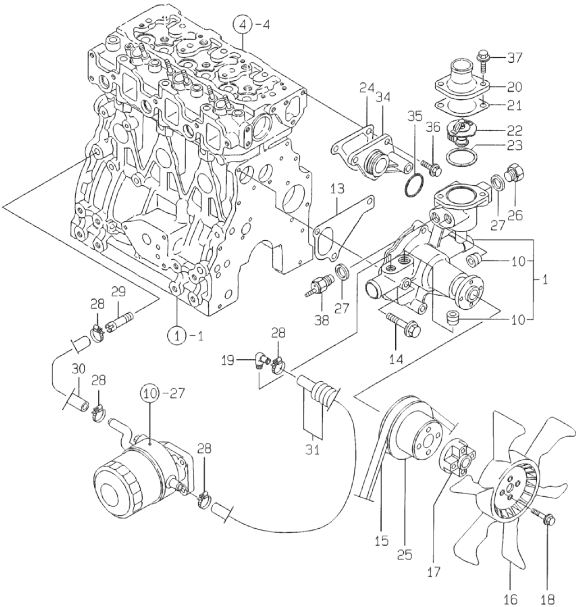
Fig.11. LUB.OIL LINE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129139-39030	PIPE ASSY, OIL	1							
7	1	105010-39140	BOLT, PIPE JOINT	1							
8	1	124160-39140	BOLT, PIPE JOINT M10	1							
9	1	114250-39450	SWITCH, 0.5KG	1							
10	1	124223-39900	RETAINER	2							
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	22190-100002	WASHER, SEAL 10	2							
15	1	129139-39601	PIPE, OIL	1							
16	1	129403-39610	JOINT, RUBBER	1							
17	1	23000-022000	CLAMP, 22	2							
18	1	24314-000160	O-RING, 4CP16.0	1							
19	1	26106-060162	BOLT, M6X 16 PLATED	2							
20	1	26106-080122	BOLT, M8X 12 PLATED	1							
21	1	129012-39910	SUPPORT	1							
22	1	26106-080162	BOLT, M8X 16 PLATED	2							
23	1	22190-080002	WASHER, SEAL 6	1							
24	1	23414-080000	GASKET, 8X1.0	2							

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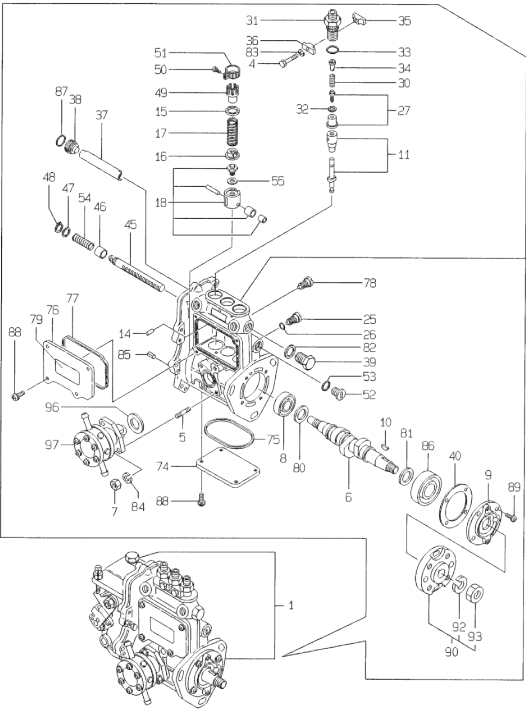
Fig.12. COOLING WATER SYSTEM



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129001-42003	PUMP ASSY, WATER	1							
10	2	23876-030000	PLUG, R03	2							
13	1	129486-42021	GASKET, WATER PUMP	1							
14	1	26106-080602	BOLT, M8X 60 PLATED	3							
15	1	25132-003700	V-BELT, A37	1							
16	1	171340-44740	FAN, COOLING D335XNF	1							
17	1	171353-44760	SPACER, FAN	1							
18	1	26106-060352	BOLT, M6X 35 PLATED	4							
19	1	129103-49301	ELBOW, PT1/4	1							
20	1	129350-49560	COVER, THERMOSTAT	1							
21	1	129795-49551	GASKET	1							
22	1	129155-49800	THERMOSTAT, 71	1							
23	1	129150-49811	GASKET, THERMOSTAT	1							
24	1	129100-49840	GASKET	1							
25	1	129403-42380	V-PULLEY, D=110	1							
26	1	121450-42450	PLUG, M16	1							
27	1	124465-44950	GASKET, 16	2							
28	1	23000-022000	CLAMP, 22	4							
29	1	129122-44480	JOINT	1							
30	1	129012-49030	HOSE, WATER	1							
31	1	119265-49060	PIPE ASSY, WATER	1							
34	1	129001-42040	JOINT	1							
35	1	129486-42140	O-RING, G30	1							
36	1	26106-080162	BOLT, M8X 16 PLATED	3							
37	1	26106-080202	BOLT, M8X 20 PLATED	2							
38	1	121250-44901	SWITCH, 110	1							

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Fig.13. FUEL INJECTION PUMP



Remarks

(1) GOVERNOR ASSY(FIG.14) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

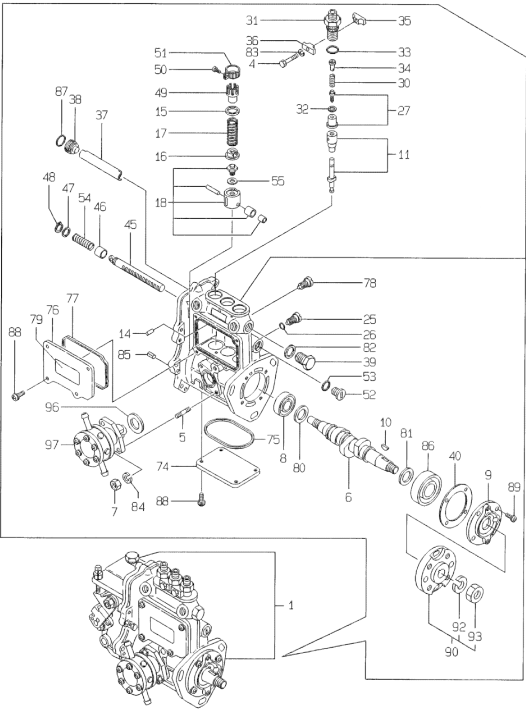
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729080-51450	PUMP ASSY, INJECTION	1							1
4	2	26116-050302	BOLT, M5X 30 PLATED	2							
5	2	129155-51020	STUD	2							
6	2	129171-51040	CAMSHAFT	1							
7	2	26716-060002	NUT, M6	2							
8	2	129155-51050	BEARING, 17BM001D	1							
9	2	129208-51060	SUPPORT	1							
10	2	122710-51090	KEY	1							
11	2	129470-51101	PLUNGER ASSY	3							
14	2	129155-51140	PIN	3							
15	2	174307-51170	RETAINER, SPRING A	3							
16	2	129155-51180	RETAINER, SPRING	3							
17	2	124950-51190	SPRING, PLUNGER	3							
18	2	129155-51200	TAPPET ASSY	3							
25	2	129155-51270	STOPPER, TAPPET	3							
26	2	129155-51280	O-RING, S6	3							
27	2	129209-51300	VALVE ASSY, DELIVERY	3							
30	2	129573-51330	SPRING, DELIVERY	3							
31	2	129573-51340	RETAINER	3							
32	2	124550-51350	GASKET, DELIVERY	3							
33	2	124550-51370	O-RING	3							
34	2	129573-51370	STOPPER, VALVE	3							
35	2	129155-51380	STOPPER	2							
36	2	129155-51390	STOPPER	2							
37	2	129155-51400	DEFLECTOR	1							
38	2	129155-51410	BOLT	1							
39	2	129155-51420	PLUG, M16	1							
40	2	129155-51450	SHIM SET, ADJUSTING	1							
45	2	129155-51500	RACK, CONTROL	1							
46	2	129155-51521	BUSH, RACK	1							
47	2	129155-51530	SPACER	1							
48	2	129155-51540	CIRCLIP	1							
49	2	129155-51550	PINION, CONTROL	3							
50	2	129100-51570	SCREW	3							
51	2	129100-51560	PINION	3							
52	2	129155-51570	PLUG, M12	1							
53	2	129155-51580	O-RING	1							
54	2	129155-51591	SPRING, RACK	1							
55	2	129155-51600	SHIM SET, ADJUSTING	3							
74	2	129155-51701	COVER	1							
75	2	129155-51711	GASKET	1							
76	2	129155-51751	COVER	1							
77	2	129155-51760	GASKET	1							
78	2	129155-51790	STOOPER, RACK	1							
79	2	129156-51910	LABEL, CAUTION	1							
80	2	129155-51930	SPACER, T=3.25	1							
81	2	129155-51940	SPACER, T=1.5	1							
82	2	22190-160002	WASHER, SEAL 16	1							
83	2	22217-050000	WASHER, SPRING 5	2							
84	2	22217-060000	WASHER, SPRING 6	2							
85	2	22351-050010	PIN, SPRING 5.0X10	2							

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.13. FUEL INJECTION PUMP

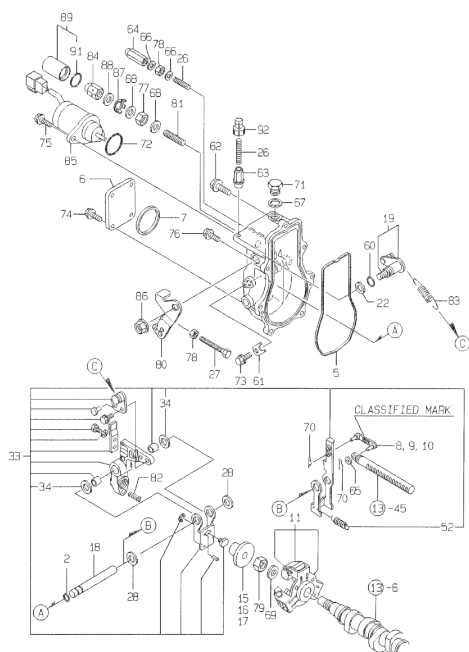


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
86	2	24101-063034	BEARING, BALL 6303	1							
87	2	24341-000160	O-RING, 1AS16.0	1							
88	2	26022-050122	SCREW, M5X12	8							
89	2	26022-060162	SCREW, M6X16	4							
90	2	129208-54500	FLANGE ASSY	1							
92	3	22217-120000	WASHER, SPRING 12	1							
93	3	26716-120002	NUT, M12	1							
96	2	129155-52050	GASKET	1							
97	2	129100-52100	PUMP ASSY, FUEL FEED	1							

N:Old $\frac{Y10}{10}$ New, Q:Old $\frac{R10}{10}$ New, R:Old $\frac{Y10}{10}$ New, S:Old $\frac{R10}{10}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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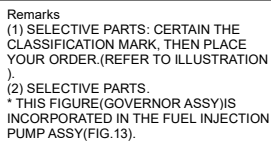
Fig.14. GOVERNOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	129155-51280	O-RING, S6	1							
5	2	129052-61050	GASKET	1							
6	2	129052-61060	COVER, GOVERNOR CASE	1							
7	2	129052-61070	GASKET	1							
8	2	129155-61120	LINK, L=30 MARK 0	1							1
9	2	129155-61130	LINK, L=31 MARK 1	1							1
10	2	129155-61140	LINK, L=30.5 MARK 05	1							1
11	2	129486-61201	WEIGHT ASSY, GOVERNOR	1							
15	2	129155-61341	SLEEVE	1							2
16	2	129155-61350	SLEEVE, L=24.9	1							2
17	2	129155-61360	SLEEVE, L=25.2	1							2
18	2	129052-61390	SHAFT	1							
19	2	129100-61400	SHAFT ASSY	1							
22	2	129155-61430	SPACER	1							
26	2	129155-61450	BOLT, LIMITER	2							
27	2	129155-61460	BOLT, IDLE	1							
28	2	129155-61480	SPACER ASSY	2							
33	2	119908-61501	LEVER ASSY, GOVERNOR	1							
34	3	174307-51700	SHIM SET	2							
52	3	129486-61540	SPRING, SET	1							
60	2	129155-61830	O-RING, S10	1							
61	2	119660-61901	RETAINER, SHAFT	1							
62	2	129155-61950	BOLT	1							
63	2	129209-61370	NUT, M6	1							
64	2	119600-66840	NUT, CAP	1							
65	2	22117-040000	WASHER, 4	1							
66	2	22190-060003	SEAL WASER, 6	2							
67	2	22190-100002	WASHER, SEAL 10	1							
68	2	22190-120002	WASHER, SEAL 12	2							
69	2	22287-120000	WASHER, 12	1							
70	2	22372-040000	PIN, SNAP 4	2							
71	2	23887-100002	PLUG, 10	1							
72	2	24341-000280	O-RING, 1AS28.0	1							
72-1	2	158552-61900	O-RING	1							N
(A=EXXXXXX)											
73	2	26106-060102	BOLT, M6X 10 PLATED	1							
74	2	26106-060102	BOLT, M6X 10 PLATED	4							
75	2	26106-060142	BOLT, M6X 14 PLATED	2							
76	2	26106-060202	BOLT, M6X 20 PLATED	6							
77	2	26736-120002	NUT, M12	1							
78	2	26756-060002	NUT, LOCK M6	2							
79	2	26776-120002	NUT, LOCK M12	1							
80	2	129100-61440	LEVER, CONTROL	1							
81	2	120323-61470	BOLT, CONTROL	1							
82	2	129100-61650	SPRING, CONTROLLER	1							
83	2	171353-61700	SPRING, GOVERNOR	1							
84	2	129209-61930	NUT, CAP	1							
85	2	119653-77950	SOLENOID, STOP	1							
86	2	26366-080002	NUT, M8	1							
87	2	129209-61970	PLATE	1							
88	2	23414-120016	GASKET, 12X1.0	1							

N:Old, Q:New, R:Old, S:Old, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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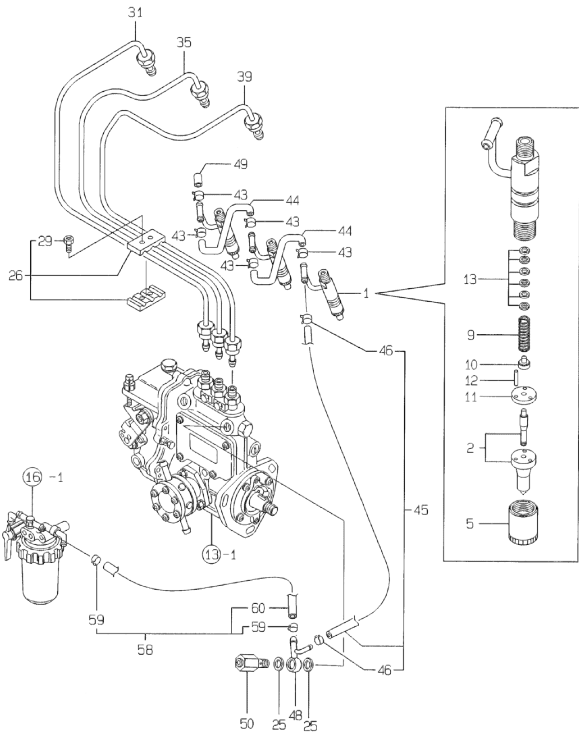
Fig.14. GOVERNOR

[illegible]

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

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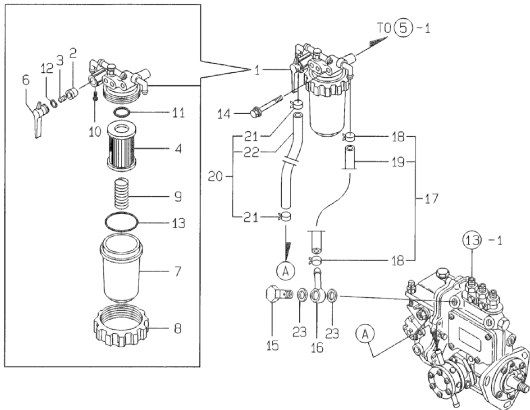
Fig.15. FUEL INJECTION VALVE



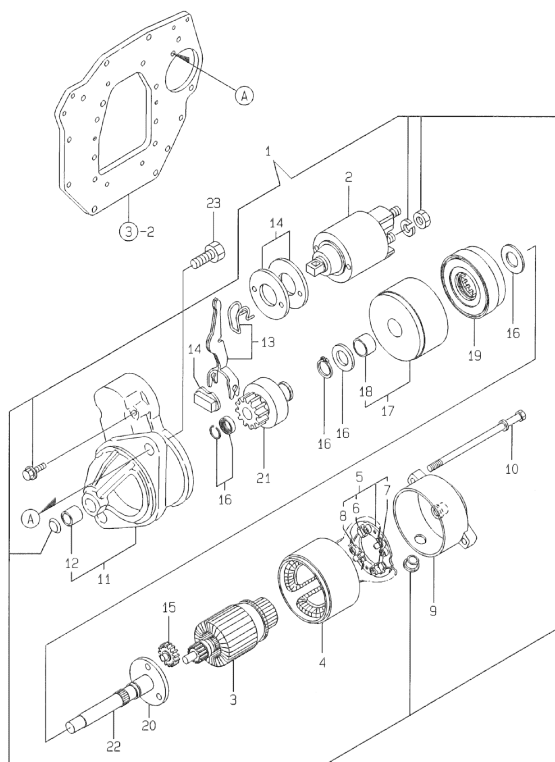
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729103-53100	VALVE ASSY,INJECTION	3							
2	2	129103-53000	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
9	2	114250-53120	SPRING, NOZZLE	3							
10	2	114250-53130	SEAT, SPRING	3							
11	2	114250-53140	PLATE	3							
12	2	114250-53210	PIN	6							
13	2	114250-53400	SHIM SET	3							
25	1	22190-120002	WASHER, SEAL 12	2							
26	1	129150-59120	RETAINER, PIPE	1							
29	2	129150-59131	BOLT, M4X14	2							
31	1	129211-59810	PIPE ASSY, INJECTION	1							
35	1	129211-59820	PIPE ASSY, INJECTION	1							
39	1	129211-59830	PIPE ASSY, INJECTION	1							
43	1	124066-59100	CLIP, HOSE 8	5							
44	1	121250-59550	PIPE, FUEL D8X120	2							
45	1	119840-59500	PIPE ASSY, RETURN	1							
46	2	124066-59100	CLIP, HOSE 8	2							
48	1	119840-59570	JOINT	1							
49	1	129150-59580	CAP	1							
50	1	129100-59951	VALVE ASSY, CHECK	1							
58	1	129210-59130	PIPE ASSY, FUEL	1							
59	2	124766-59050	CLIP, HOSE 12	2							
60	2	105025-59750	PIPE, FUEL	1							

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Fig.16. FUEL LINE

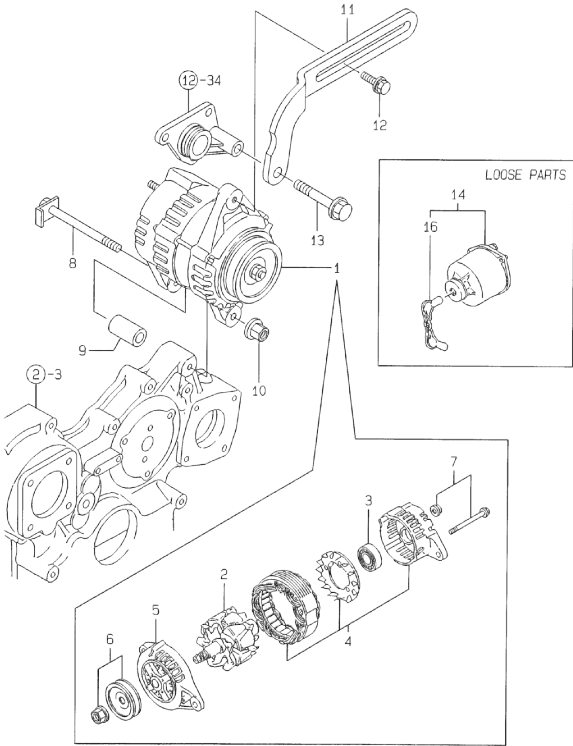


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129052-55620	FILTER ASSY, FUEL	1							
2	2	104200-55321	VALVE, TAPER	1							
3	2	104200-55330	SPRING, VALVE	1							
4	2	129100-55650	ELEMENT	1							
6	2	129100-55670	LEVER	1							
7	2	129100-55680	CUP, STRAINER	1							
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							
19	2	129555-59510	PIPE, D13/7.5X180	1							
20	1	129210-59130	PIPE ASSY, FUEL	1							
21	2	124766-59050	CLIP, HOSE 12	2							
22	2	105025-59750	PIPE, FUEL	1							
23	1	22190-120002	WASHER, SEAL 12	2							



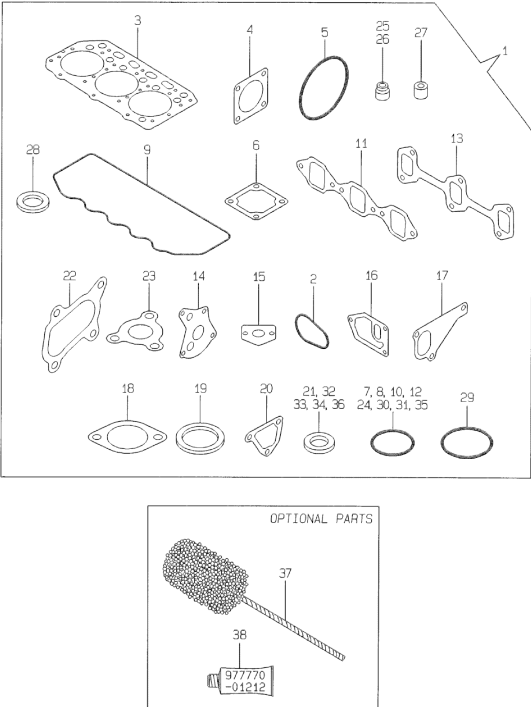
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129698-77010	STARTER, 12V1.2KW	1							
2	2	124298-77020	SWITCH, MAGNETIC	1							
3	2	129698-77100	ARMATURE ASSY	1							
4	2	129698-77110	YOKE ASSY	1							
5	2	129698-77120	HOLDER ASSY, BRUSH	1							
6	3	129698-77140	BRUSH SET	1							
7	3	129698-77130	BRUSH	2							
8	3	129698-77150	SPRING, BRUSH	4							
9	2	129698-77161	COVER ASSY	1							
10	2	124195-77770	BOLT, THROUGH	2							
11	2	129698-77260	CASE ASSY	1							
12	3	X2114535200	METAL, STARTER	1							
13	2	129698-77270	LEVER SET, SHIFT	1							
14	2	129698-77280	COVER KIT	1							
15	2	129698-77240	GEAR	3							
16	2	129698-77250	WASHER SET	1							
17	2	129698-77180	BRACKET	1							
18	3	129698-77190	BRACKET	1							
19	2	129698-77200	GEAR, INTERNAL	1							
20	2	129698-77210	BRACKET	1							
21	2	129698-77220	PINION ASSY	1							
22	2	129698-77230	SHAFT	1							
23	1	26116-120252	BOLT, M12X 25 PLATED	2							

Fig.18. GENERATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119836-77201	GENERATOR	1							
2	2	129612-77700	ROTOR ASSY	1							
3	2	129612-77710	BEARING, BALL	1							
4	2	119836-77920	BRACKET ASSY	1							
5	2	129612-77730	BRACKET ASSY, FILTER	1							
6	2	129612-77740	PULLEY	1							
7	2	129612-77750	SCREW KIT	1							
8	1	129136-77251	BOLT, M8X110	1							
9	1	119820-77340	PIECE, DISTANCE	1							
10	1	129612-77260	NUT, ALTERNATOR	1							
11	1	129100-77330	ADJUSTER	1							
12	1	119810-77340	BOLT, ADJUSTER	1							
13	1	26106-080502	BOLT, M8X 50 PLATED	1							
14	1	129115-91250	SWITCH ASSY	1							
16	2	129115-91270	KEY ASSY	1							

Fig.19. GASKET SET



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729012-92620	GASKET SET	1							1
2	2	129120-35110	GASKET	1							
3	2	129002-01331	GASKET, HEAD	1							
4	2	124240-01883	GASKET	1							
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7	2	24341-000500	O-RING, 1AS50.0	1							
8	2	24311-000320	O-RING, 1AP32.0	2							
9	2	129150-11310	GASKET, BONNET	1							
10	2	24311-000120	O-RING, 1AP12.0	3							
11	2	129150-12111	GASKET, MANIFOLD	1							
12	2	119609-32040	O-RING, P16	2							
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14	2	129150-32020	GASKET, PUMP	1							
15	2	129150-35041	GASKET	1							
16	2	129120-35121	GASKET	1							
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18	2	129795-49551	GASKET	1							
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20	2	129100-49840	GASKET	1							
21	2	124465-44950	GASKET, 16	1							
22	2	129403-18091	GASKET	1							
23	2	129535-18100	GASKET	1							
24	2	24341-000240	O-RING, 1AS24.0	1							
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30	2	24311-000160	O-RING, 1AP16.0	1							
31	2	24314-000160	O-RING, 4CP16.0	1							
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36	2	22190-100002	WASHER, SEAL 10	2							
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