

0CV10-M83100EN

P R E F A C E

1. This Parts Catalog carries all parts incorporated in YANMAR Model 4TNE84—EAD1 engine manufactured since March, 2002.
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)

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

① Ref. No.

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

(Ex.) Illustration No.

List Ref No.

1

1

(Before change)

1-1

(After change)

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

② Lev. (Level)

Level indication

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

1 ---- Main parts (Assembly parts)

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

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

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

③ Interchangeability Symbol

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

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

④ Effective Machine No.

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

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

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

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

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

⑤ Remarks

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

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

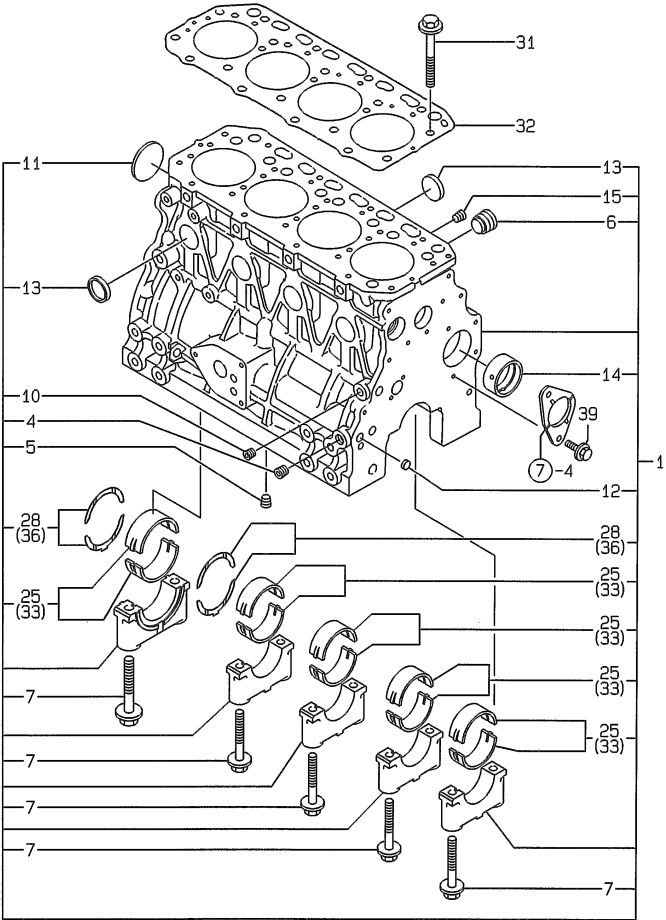
Contents

Fig. No.	Fig. Name	Fig. No.	Fig. Name
4TNE84-EAD1			
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	FLYWHEEL HOUSING & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD & AIR CLEANER		
6.	EXHAUST MANIFOLD & SILENCER		
7.	CAMSHAFT & DRIVING GEAR		
8.	CRANKSHAFT & PISTON		
9.	LUB.OIL SYSTEM		
10.	COOLING WATER SYSTEM		
11.	FUEL INJECTION PUMP		
12.	GOVERNOR		
13.	FUEL FILTER		
14.	FUEL INJECTION VALVE		
15.	STARTING MOTOR		
16.	GENERATOR		
17.	GASKET SET		

Fig.1. CYLINDER BLOCK

(A)=4TNE84-EAD1
(B)=
(C)=

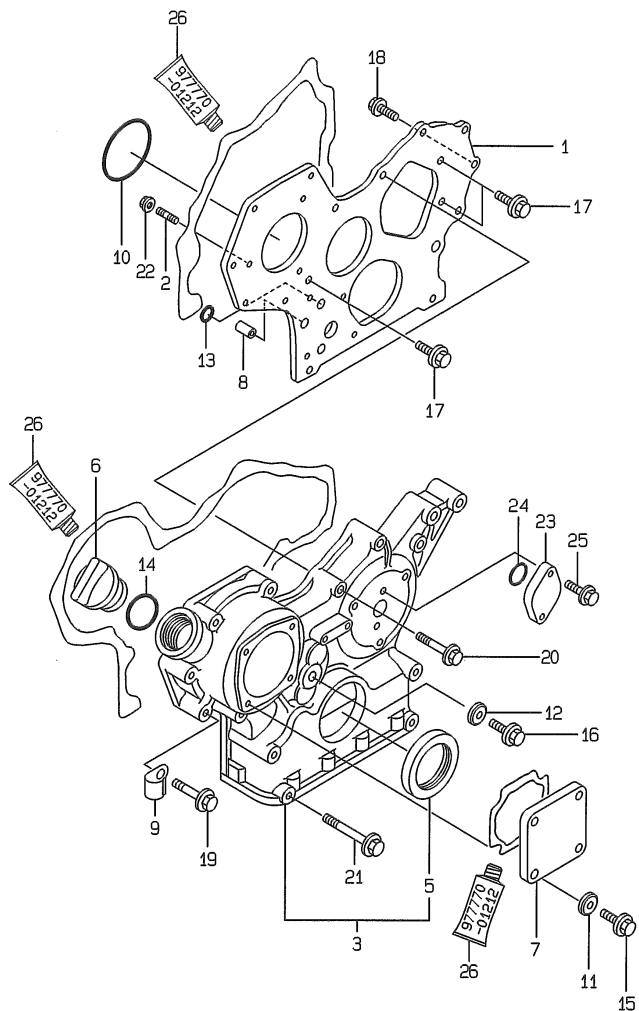
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729408-01560	BLOCK ASSY, CYLINDER	1							
4	2	124160-01910	PLUG, PT1/4	2							
5	2	124160-01910	PLUG, PT1/4	1							
6	2	171051-01921	PLUG, NPTF1	1							
7	2	129150-02020	BOLT, METAL CAP	10							
10	2	23871-010000	PLUG, R01	1							
11	2	129001-01250	PLUG, 50	1							
12	2	27241-120000	PLUG, 12	2							
13	2	27241-300000	PLUG 30	8							
14	2	129795-02411	BUSH, CAMSHAFT	1							
15	2	23876-030000	PLUG, R03	1							
25	2	129001-02930	BEARING, MAIN	5						3	
28	2	129150-02930	BEARING, THRUST	2							
31	1	129150-01200	BOLT, HEAD	18							
32	1	129408-01330	GASKET, HEAD	1							
33	1	129150-02870	BEARING, 0.25 US	5							1
36	1	129150-02940	BEARING, THRUST 0.25	1							2
39	1	26106-080162	BOLT, M8X 16 PLATED	2							

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

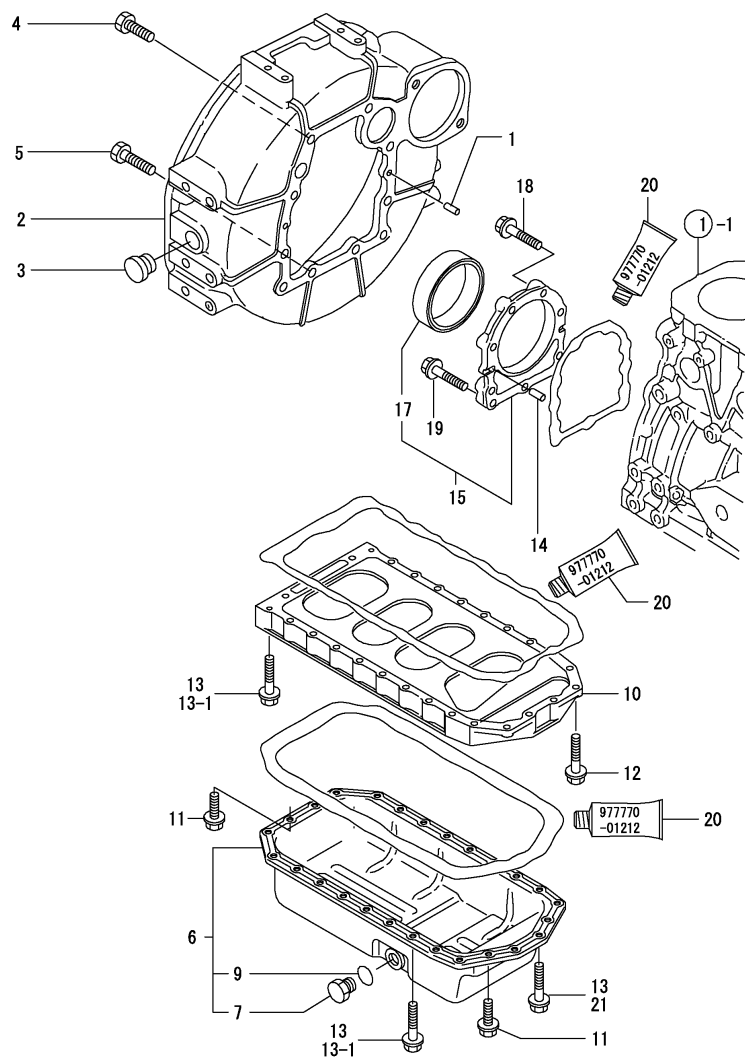
Fig.2. GEAR HOUSING



				(A)=4TNE84-EAD1				(D)=				
				(B)=				(E)=				
				(C)=				(F)=				
No.	Lev.	Parts No.	Description									
				(A)	(B)	(C)	(D)	(E)	(F)	I	R	
1	1	129400-01520	FLANGE, GEAR CASE	1								
2	1	121450-01560	STUD, M8X22	3								
3	1	719810-01500	CASE ASSY, GEAR	1								
5	2	129795-01800	SEAL, OIL	1								
6	1	124160-01751	COVER, FILLER	1								
7	1	124240-01871	COVER	1								
8	1	129795-01950	PIPE, KNOCK L=18	2								
9	1	129150-03100	RETAINER, PIPE	1								
10	1	121850-51960	O-RING	1								
11	1	22190-080002	WASHER, SEAL 6	4								
12	1	22190-080002	WASHER, SEAL 6	1								
13	1	119609-32040	O-RING, P16	2								
14	1	24311-000320	O-RING, 1AP32.0	1								
15	1	26106-080122	BOLT, M8X 12 PLATED	4								
16	1	26106-080162	BOLT, M8X 16 PLATED	1								
17	1	26106-080162	BOLT, M8X 16 PLATED	3								
18	1	26106-080202	BOLT, M8X 20 PLATED	2								
19	1	26106-080452	BOLT, M8X 45 PLATED	6								
20	1	26106-080552	BOLT, M8X 55 PLATED	3								
21	1	129001-91841	BOLT, M8X85	4								
22	1	26366-080002	NUT, M8	3								
23	1	121023-01550	COVER	1								
24	1	24341-000240	O-RING, 1AS24.0	1								
25	1	26106-060162	BOLT, M6X 16 PLATED	2								
26	1	977770-01212	GASKET, LIQUID	1							1	

Remarks
(1) OPTIONAL PART.

Fig.3. FLYWHEEL HOUSING & OIL SUMP



(1)Optional parts.
(2)For repair.

(A)=4TNE84-EAD1
(B)=
(C)=

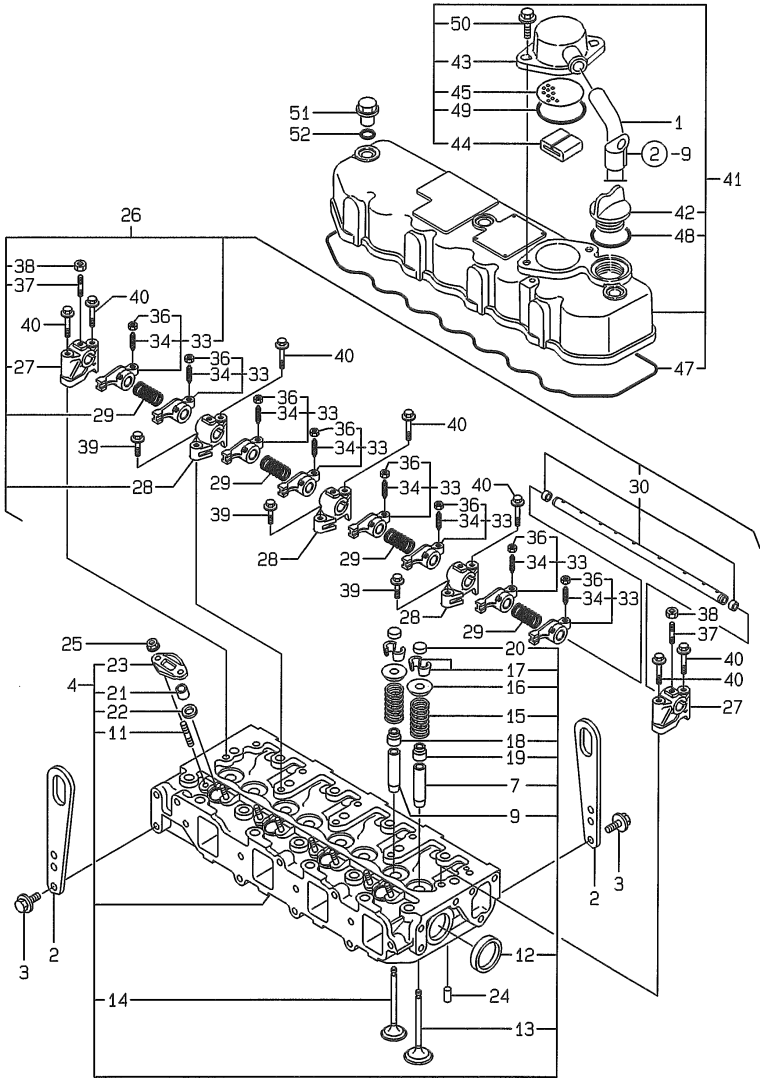
(D)=
(E)=
(F)=

[illegible]

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.4. CYLINDER HEAD & BONNET



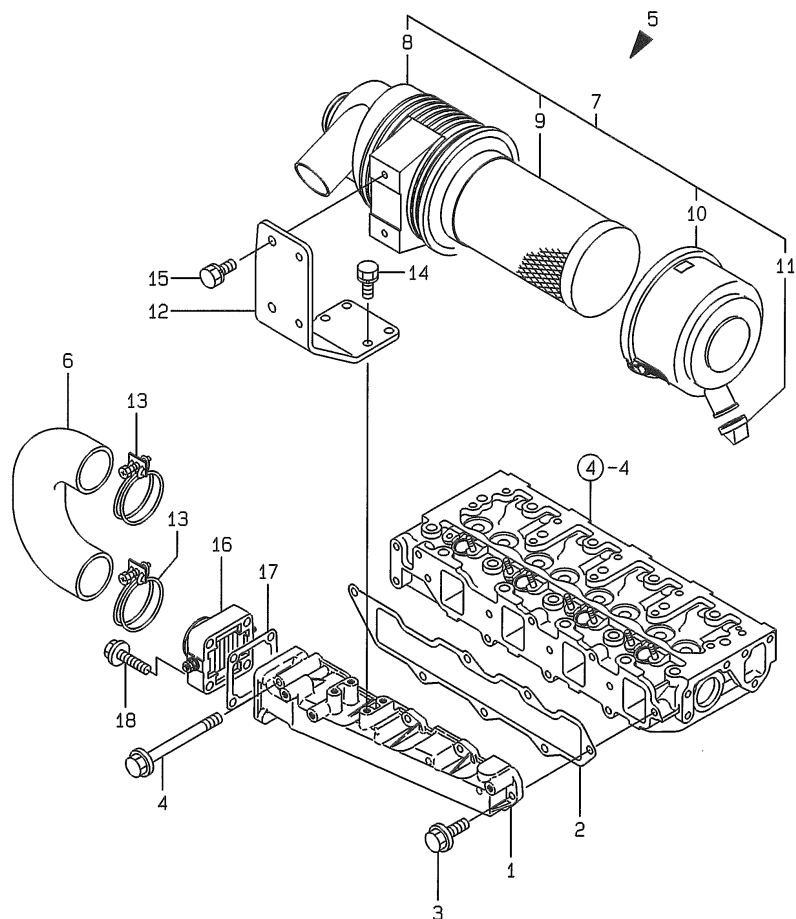
(A)=4TNE84-EAD1
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-03090	HOSE, ID16X2T	1							
2	1	129900-07900	LIFTER	2							
3	1	26106-080162	BOLT, M8X 16 PLATED	4							
4	1	129457-11700	HEAD ASSY, CYLINDER	1							
7	2	120130-11860	GUIDE, VALVE	4							1
9	2	129150-11810	GUIDE, VALVE	4							1
11	2	26216-060202	STUD, M6X 20	8							
12	2	27241-400000	PLUG, 40	2							
13	2	129100-11100	VALVE, INTAKE	4							
14	2	129100-11110	VALVE, EXHAUST	4							
15	2	129795-11120	SPRING, VALVE	8							
16	2	129795-11180	RETAINER, SPRING	8							
17	2	27310-080001	COTTER, 8	8							
18	2	121400-11340	SEAL, VALVE STEM	4							
19	2	124460-11340	SEAL, VALVE STEM	4							
20	2	129150-11370	CAP, VALVE	8							
21	2	119625-11872	PROTECTOR, NOZZLE	4							
22	2	119625-11880	SEAT, NOZZLE	4							
23	2	119625-11900	RETAINER, NOZZLE	4							
24	1	22351-060012	PIN, SPRING 6.0X12	2							
25	1	26366-060002	NUT, M6	8							
26	1	129500-11240	SHAFT ASSY, ROCKER	1							
27	2	129155-11260	SUPPORT, ROCKER ARM	2							
28	2	129155-11270	SUPPORT, ROCKER ARM	3							
29	2	129150-11280	SPRING	4							
30	2	129550-11290	SHAFT, ROCKER ARM	1							
33	2	129100-11650	ARM, ROCKER	8							
34	3	129150-11230	SCREW, VALVE ADJUST	8							
36	3	129150-11750	NUT, M8	8							
37	2	119802-11280	STUD	3							
38	2	26756-080002	NUT, LOCK M8	3							
39	1	26106-080252	BOLT, M8X 25 PLATED	3							
40	1	26106-080502	BOLT, M8X 50 PLATED	7							
41	1	129400-11350	BONNET ASSY, HEAD	1							
42	2	124160-01751	COVER, FILLER	1							
43	2	129150-03020	COVER, BREATHER	1							
44	2	129150-03070	BAFFLE, BREATHER	1							
45	2	129150-03080	PLATE, BAFFLE	1							
47	2	129550-11310	GASKET, BONNET	1							
48	2	24311-000320	O-RING, 1AP32.0	1							
49	2	24341-000500	O-RING, 1AS50.0	1							
50	2	26106-080162	BOLT, M8X 16 PLATED	2							
51	1	124160-11360	KNOB	3							
52	1	24311-000120	O-RING, 1AP12.0	3							

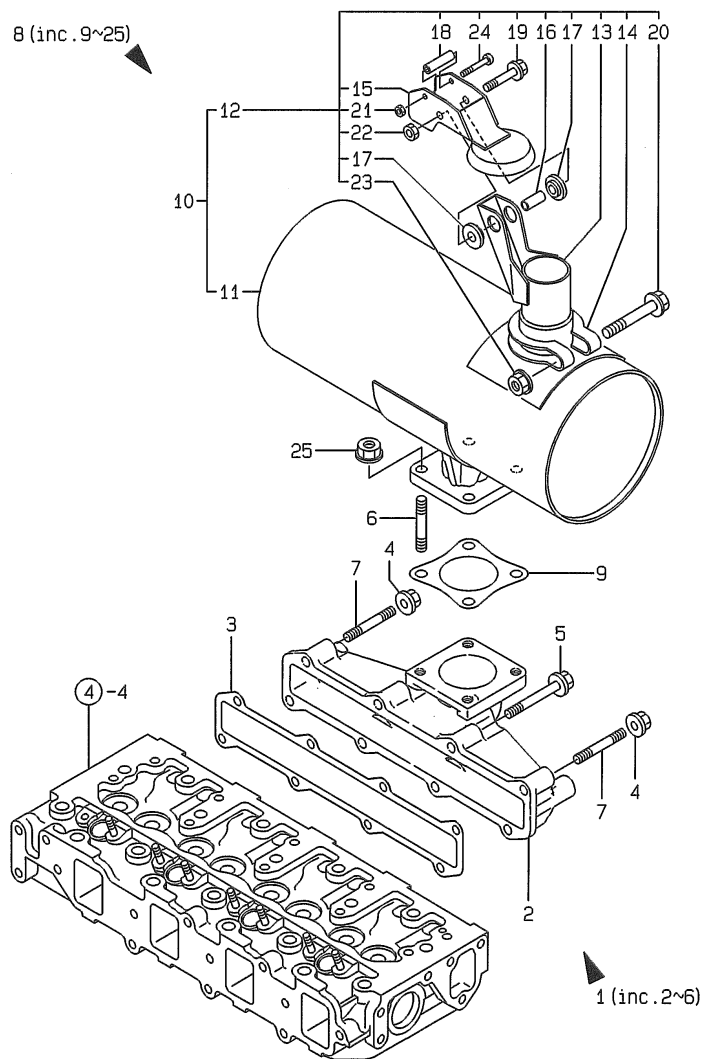
Remarks
(1) REPAIR PART.

Fig.5. SUCTION MANIFOLD & AIR CLEANER



				(A)=4TNE84-EAD1	(D)=				
				(B)=	(E)=				
				(C)=	(F)=				
No.	Lev.	Parts No.	Description	Q'ty			I	R	
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129407-12100	MANIFOLD, AIR INTAKE	1					
2	1	129407-12110	GASKET, MANIFOLD	1					
3	1	26106-080202	BOLT, M8X 20 PLATED	6					
4	1	26106-080802	BOLT, M8X 80 PLATED	1					
5	1	129619-12550	CLEANER ASSY, AIR	1					
6	2	129619-12210	PIPE, AIR INTAKE	1					
7	2	129619-12500	CLEANER ASSY, AIR	1					
8	3	129619-12510	BODY	1					
9	3	119808-12520	ELEMENT	1					
10	3	119808-12530	COVER	1					
11	3	119808-12540	VALVE, UNLOADER	1					
12	2	129619-12560	BRACKET, AIR CLEANER	1					
13	2	23000-060000	CLAMP, 60	2					
14	2	26013-080222	BOLT, M8X 22	4					
15	2	26013-080222	BOLT, M8X 22	2					
16	1	129120-77501	HEATER	1					
17	1	129150-77511	GASKET	1					
18	1	26106-080352	BOLT, M8X 35 PLATED	4					

Fig.6. EXHAUST MANIFOLD & SILENCER



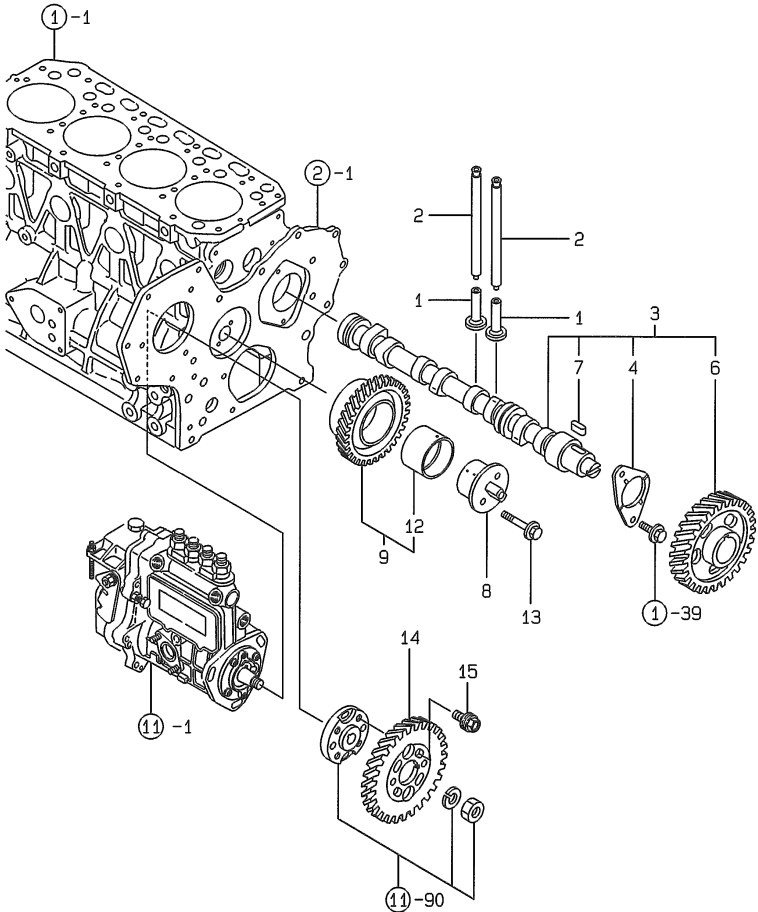
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129619-13150	MANIFOLD ASSY	1							
2	2	129407-13100	MANIFOLD, EXHAUST	1							
3	2	129407-13110	GASKET	1							
4	2	26306-080002	NUT, M8	2							
5	2	26106-080402	BOLT, M8X 40 PLATED	6							
6	2	119131-18320	STUD, M8X22	4							
7	1	26216-080402	STUD, M8X 40	2							
8	1	129619-13550	SILENCER ASSY	1							
9	2	129400-13201	GASKET, SILENCER	1							
10	2	129420-13501	SILENCER	1							
11	3	129420-13530	SILENCER ASSY	1							
12	3	129420-13540	PIPE ASSY, TAIL	1							
13	4	129420-13550	PIPE, TAIL	1							
14	4	121850-13580	CLAMP	1							
15	4	128300-13640	CAP	1							
16	4	121855-13821	SPACER, A	1							
17	4	121855-13830	SPACER, B	2							
18	4	123500-13840	SPACER, C	1							
19	4	26106-060402	BOLT, M6X 40 PLATED	1							
20	4	26106-100602	BOLT, M10X 60 PLATED	1							
21	4	26347-040002	NUT, M4	1							
22	4	26347-060002	NUT, M6	1							
23	4	26306-100002	NUT, M10	1							
24	4	26557-040352	SCREW, M4X35	1							
25	2	26306-080002	NUT, M8	4							

Fig.7. CAMSHAFT & DRIVING GEAR

(A)=4TNE84-EAD1
(B)=
(C)=

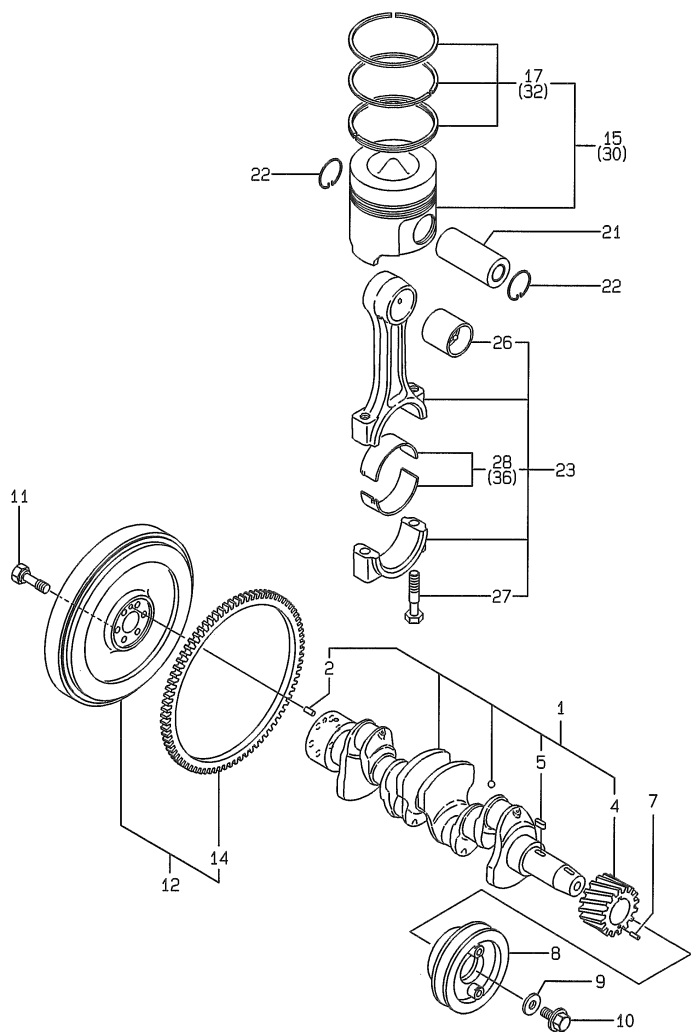
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	8							
2	1	129150-14400	ROD, PUSH L=178	8							
3	1	729402-14580	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	129150-25931	GEAR, PUMP	1							
15	1	129150-25301	BOLT	4							



Remarks
(1) REPAIR PART.

Fig.8. CRANKSHAFT & PISTON



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

(A)=4TNE84-EAD1
(B)=
(C)=

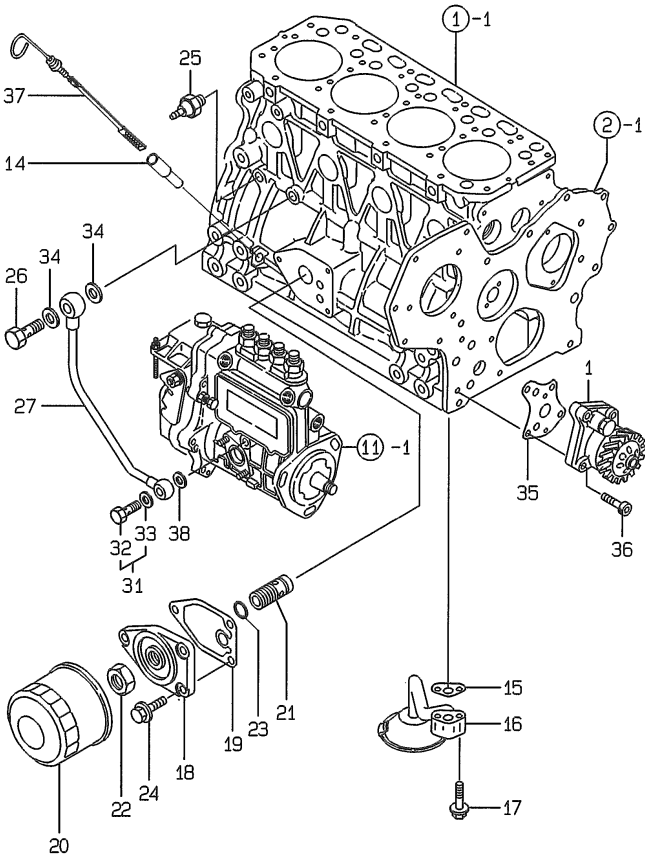
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129407-21100	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	129550-21650	V-PULLEY	1							
9	1	129795-21661	WASHER	1							
10	1	121850-21680	BOLT	1							
11	1	121111-21501	BOLT, FLYWHEEL	6							
12	1	171420-21590	FLYWHEEL ASSY	1							
14	2	124550-21600	GEAR, RING	1							
15	1	129002-22120	PISTON ASSY	4							
17	2	129002-22500	RING SET, PISTON	4							
21	1	129202-22300	PIN, PISTON D26 L70	4							
22	1	22252-000260	RING, 26	8							
23	1	729402-23100	ROD ASSY, CONNECTING	4							
26	2	129100-23910	BEARING, PISTON PIN	4							1
27	2	121550-23200	BOLT, CONNECTING ROD	8							
28	2	129150-23600	BEARING, CRANK PIN	4							
30	1	129002-22940	PISTON ASSY, 0.25 OS	4							2
32	2	129002-22960	RING SET, 0.25 OS	4							2
36	1	129150-23610	BEARING, 0.25 US	4							3

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.9. LUB.OIL SYSTEM



(A)=4TNE84-EAD1
(B)=
(C)=

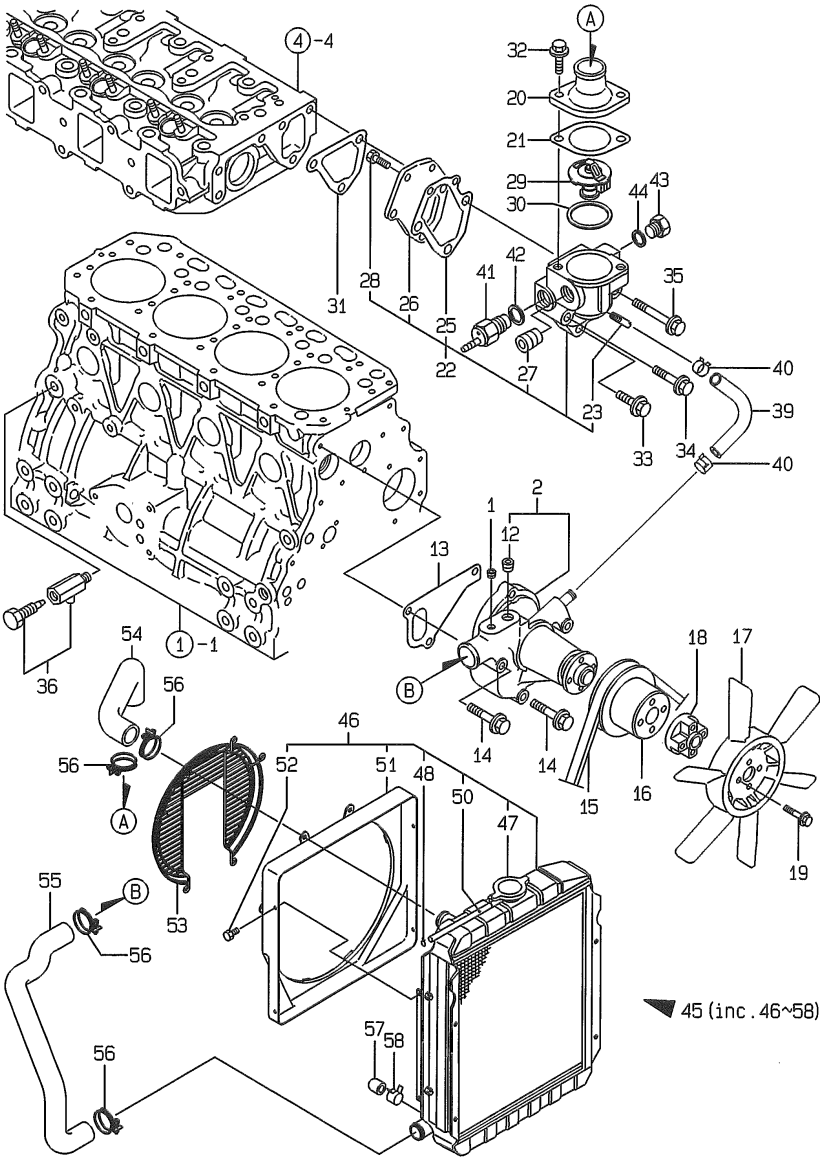
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129407-32000	PUMP ASSY, OIL	1							
14	1	121520-34810	GUIDE, DIPSTICK	1							
15	1	129150-35041	GASKET	1							
16	1	129436-35091	PIPE ASSY, OIL INLET	1							
17	1	26106-080352	BOLT, M8X 35 PLATED	2							
18	1	129150-35101	BRACKET, STRAINER	1							
19	1	129150-35111	GASKET	1							
20	1	129150-35151	FILTER, D80XL80	1							
21	1	129001-35300	BOLT, FILTER	1							
22	1	129150-35350	NUT	1							
23	1	24311-000160	O-RING, 1AP16.0	1							
24	1	26106-080202	BOLT, M8X 20 PLATED	3							
25	1	114250-39450	SWITCH, 0.5KG	1							
26	1	124160-39140	BOLT, PIPE JOINT M10	1							
27	1	129550-39450	PIPE ASSY, OIL	1							
31	1	124550-59830	BOLT ASSY, JOINT M8	1							
32	2	124550-59820	BOLT, PIPE JOINT M8	1							
33	2	22190-080002	WASHER, SEAL 6	1							
34	1	22190-100002	WASHER, SEAL 10	2							
35	1	129150-32020	GASKET, PUMP	1							
36	1	26450-060252	BOLT, M6X 25	4							
37	1	171420-34820	DIPSTICK, OIL	1							
38	1	22190-080002	WASHER, SEAL 6	1							

Fig.10. COOLING WATER SYSTEM

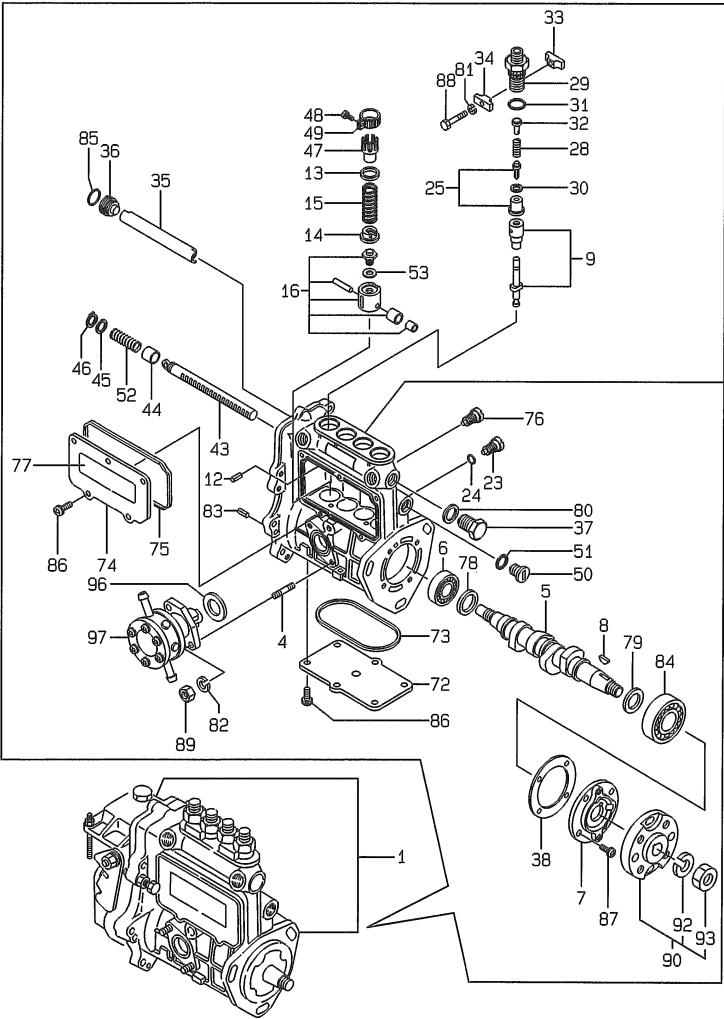
(A)=4TNE84-EAD1
(B)=
(C)=

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



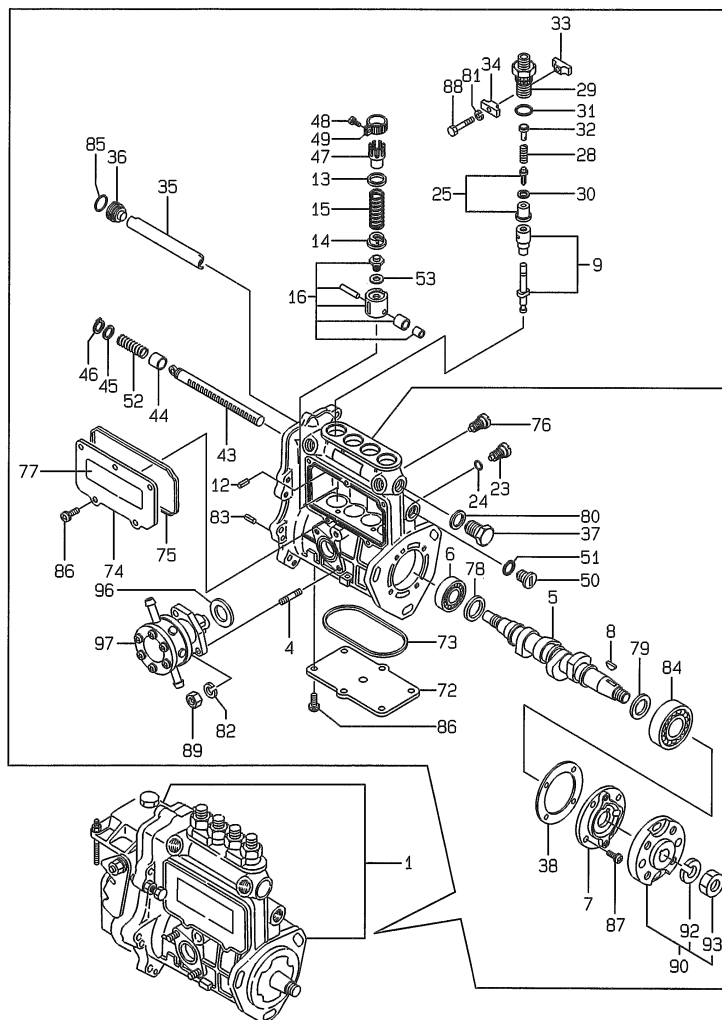
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121850-11860	PLUG, PT1/4	1							
2	1	129100-42004	PUMP ASSY, WATER	1							
12	2	23876-030000	PLUG, R03	1							
13	1	129486-42021	GASKET, WATER PUMP	1							
14	1	26106-080602	BOLT, M8X 60 PLATED	3							
15	1	25132-003700	V-BELT, A37	1							
16	1	129155-42350	V-PULLEY	1							
17	1	129403-44740	FAN, COOLING 370	1							
18	1	121267-44760	SPACER	1							
19	1	26106-060302	BOLT, M6X 30 PLATED	4							
20	1	129350-49530	COVER, THERMOSTAT	1							
21	1	129795-49551	GASKET	1							
22	1	129100-49800	CASE ASSY,THERMOSTAT	1							
23	2	124770-11770	JOINT, PIPE PT1/8	1							
25	2	129100-49821	GASKET	1							
26	2	129100-49830	COVER, THERMOSTAT	1							
27	2	23876-030000	PLUG, R03	1							
28	2	26116-060162	BOLT, M6X 16 PLATED	2							
29	1	129155-49800	THERMOSTAT, 71	1							
30	1	129150-49811	GASKET, THERMOSTAT	1							
31	1	124395-49840	GASKET	1							
32	1	26106-080202	BOLT, M8X 20 PLATED	2							
33	1	26106-080252	BOLT, M8X 25 PLATED	1							
34	1	26106-080502	BOLT, M8X 50 PLATED	1							
35	1	26106-080602	BOLT, M8X 60 PLATED	1							
36	1	119620-49290	COCK ASSY, 1/4	1							
39	1	129132-49050	PIPE, WATER	1							
40	1	23000-016000	CLAMP, 16	2							
41	1	121250-44901	SWITCH, 110	1							
42	1	124465-44950	GASKET, 16	1							
43	1	121450-42450	PLUG, M16	1							
44	1	124465-44950	GASKET, 16	1							
45	1	129619-44550	RADIATOR ASSY	1							
46	2	129420-44500	RADIATOR	1							
47	3	119259-44570	CAP, RADIATOR	1							
48	3	121250-44590	CLAMP	2							
50	3	129132-44530	HOSE, RUBBER	1							
51	3	129420-44550	SHROUD ASSY	1							
52	3	26014-060122	BOLT, M6X 12	4							
53	2	129420-44560	PROTECTOR, FAN	1							
54	2	171420-49010	PIPE, WATER	1							
55	2	171420-49020	PIPE, WATER	1							
56	2	23010-038000	CLAMP, 38	4							
57	2	129461-59580	CAP, FUEL OIL	1							
58	2	23000-013000	CLAMP, 13	1							

Fig.11. FUEL INJECTION PUMP



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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729618-51490	PUMP ASSY, INJECTION	1							1
4	2	129155-51020	STUD	2							
5	2	129470-51040	CAMSHAFT	1							
6	2	129155-51050	BEARING, 17BM001D	1							
7	2	129208-51060	SUPPORT	1							
8	2	122710-51090	KEY	1							
9	2	129506-51100	PLUNGER ASSY	4							
12	2	129155-51140	PIN	4							
13	2	174307-51170	RETAINER, SPRING A	4							
14	2	129155-51180	RETAINER, SPRING	4							
15	2	124950-51190	SPRING, PLUNGER	4							
16	2	129155-51200	TAPPET ASSY	4							
23	2	129155-51270	STOPPER, TAPPET	4							
24	2	129155-51280	O-RING, S6	4							
25	2	129100-51300	VALVE ASSY, DELIVERY	4							
28	2	129155-51320	SPRING, DELIVERY	4							
29	2	129155-51340	RETAINER	4							
30	2	124550-51350	GASKET, DELIVERY	4							
31	2	124550-51370	O-RING	4							
32	2	129155-51370	STOPPER, VALVE	4							
33	2	129155-51380	STOPPER	2							
34	2	129155-51390	STOPPER	2							
35	2	129555-51400	DEFLECTOR	1							
36	2	129155-51410	BOLT	1							
37	2	129155-51420	PLUG, M16	1							
38	2	129155-51450	SHIM SET, ADJUSTING	1							
43	2	129555-51500	RACK, CONTROL	1							
44	2	129155-51521	BUSH, RACK	1							
45	2	129155-51530	SPACER	1							
46	2	129155-51540	CIRCLIP	1							
47	2	129155-51550	PINION, CONTROL	4							
48	2	129100-51570	SCREW	4							
49	2	129100-51560	PINION	4							
50	2	129155-51570	PLUG, M12	1							
51	2	129155-51580	O-RING	1							
52	2	129155-51591	SPRING, RACK	1							
53	2	129155-51600	SHIM SET, ADJUSTING	4							
72	2	129555-51701	COVER	1							
73	2	129555-51711	GASKET	1							
74	2	129555-51751	COVER	1							
75	2	129555-51760	GASKET	1							
76	2	129155-51790	STOOPER, RACK	1							
77	2	129156-51910	LABEL, CAUTION	1							
78	2	129155-51930	SPACER, T=3.25	1							
79	2	129155-51940	SPACER, T=1.5	1							
80	2	22190-160002	WASHER, SEAL 16	1							
81	2	22217-050000	WASHER, SPRING 5	2							
82	2	22217-060000	WASHER, SPRING 6	2							
83	2	22351-050010	PIN, SPRING 5.0X10	2							
84	2	24101-063034	BEARING, BALL 6303	1							
85	2	24341-000160	O-RING, 1AS16.0	1							



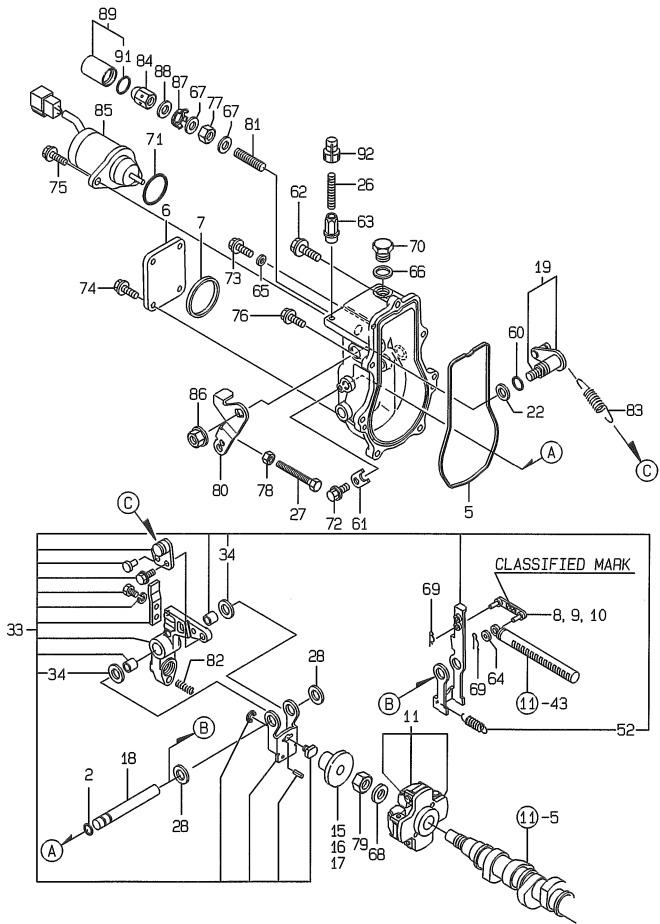
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
86	2	26022-050122	SCREW, M5X12	11							
87	2	26022-060162	SCREW, M6X16	4							
88	2	26116-050302	BOLT, M5X 30 PLATED	2							
89	2	26716-060002	NUT, M6	2							
90	2	129208-54500	FLANGE ASSY	1							
92	3	22217-120000	WASHER, 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							

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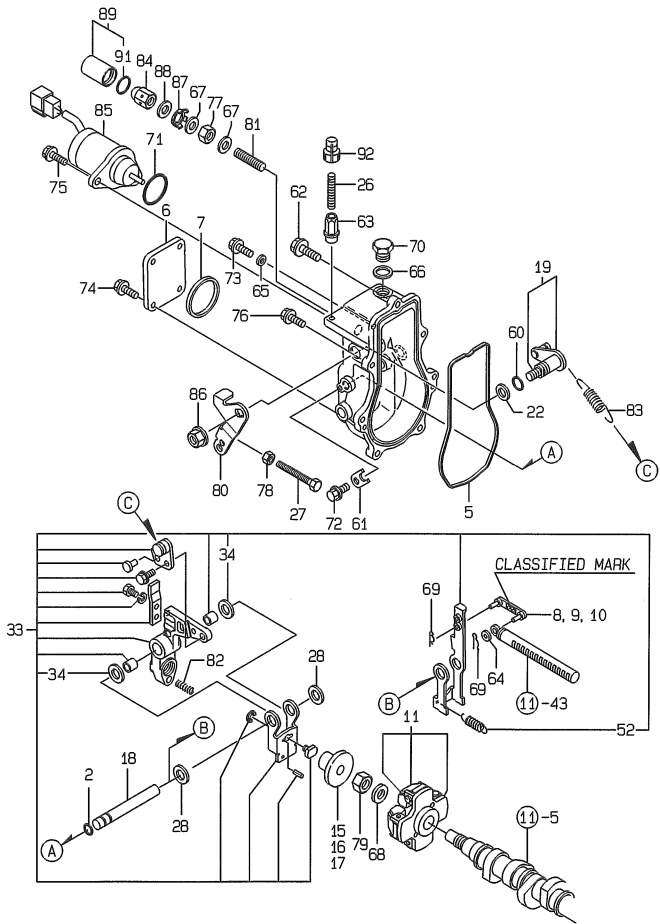
Fig.12. GOVERNOR



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.11).

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	129618-61200	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	1							
27	2	129155-61460	BOLT, IDLE	1							
28	2	129155-61480	SPACER ASSY	2							
33	2	129486-61501	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	22117-040000	WASHER, 4	1							
65	2	22190-060003	SEAL WASER 6	1							
66	2	22190-100002	WASHER, SEAL 10	1							
67	2	22190-120002	WASHER, SEAL 12	2							
68	2	22287-120000	WASHER, 12	1							
69	2	22372-040000	PIN, SNAP 4	2							
70	2	23887-100002	PLUG, 10	1							
71	2	24341-000280	O-RING, 1AS28.0	1							
71-1	2	158552-61900	O-RING	1							N
(A=EXXXXX)											
72	2	26106-060102	BOLT, M6X 10 PLATED	1							
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	1							
79	2	26776-120002	NUT, LOCK M12	1							
80	2	171488-61440	LEVER, CONTROL	1							
81	2	120323-61470	BOLT, CONTROL	1							
82	2	129500-61650	SPRING, FUEL CONTROL	1							
83	2	129477-61720	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							

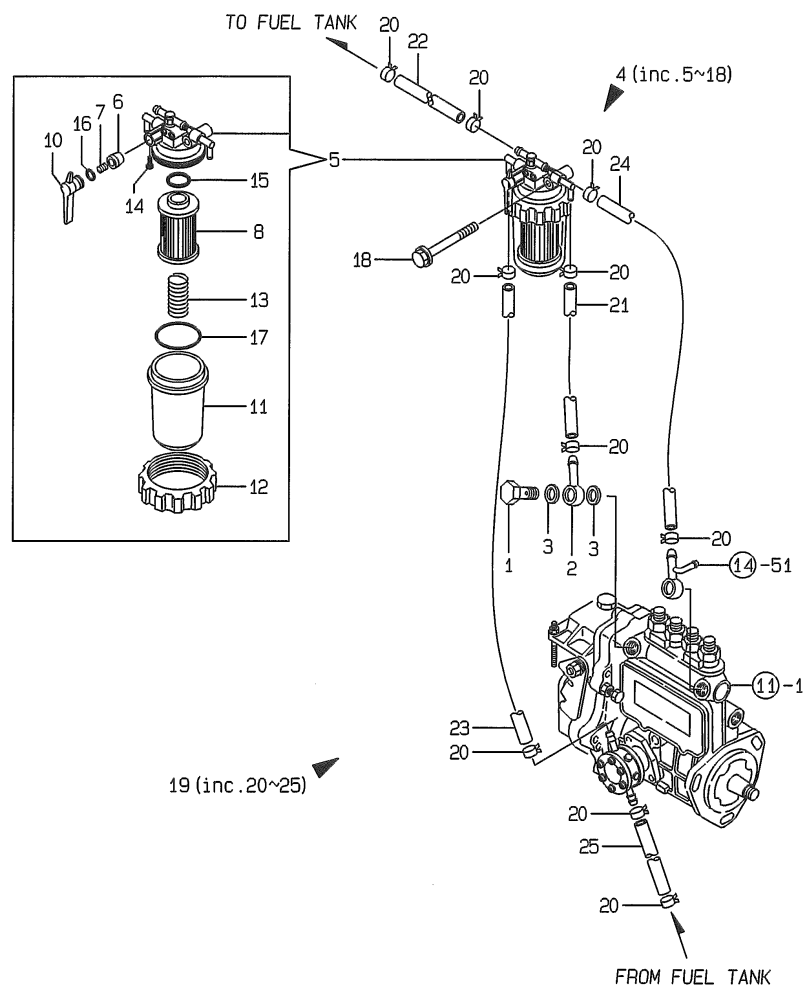
Fig.12. GOVERNOR



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.11).

				0CV10-M83100 Fig.12								
				(A)=4TNE84-EAD1	(D)=							
				(B)=	(E)=							
				(C)=	(F)=							
No.	Lev.	Parts No.	Description	Q'ty							I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
89	1	129209-61940	CASE ASSY	1								
91	2	24311-000150	O-RING, 1AP15.0	1								
92	1	119285-66610	CAP, HIGH-IDLE	1								

Fig.13. FUEL FILTER

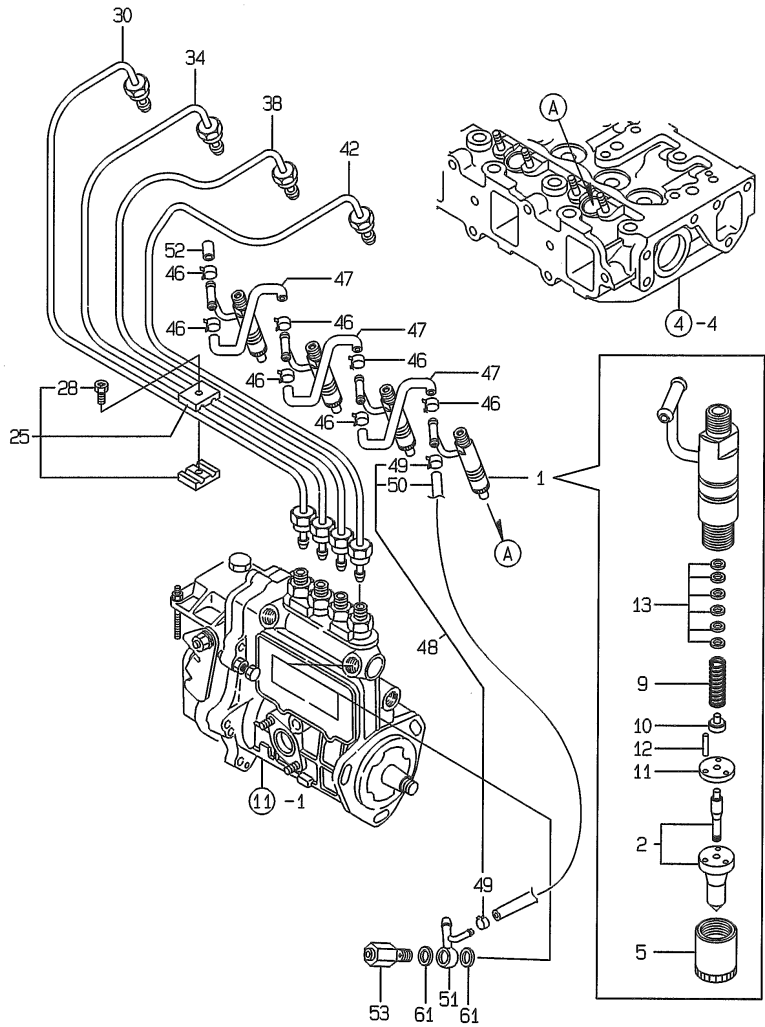


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	103854-39140	BOLT, PIPE JOINT	1							
2	1	101304-59020	JOINT, PIPE 12	1							
3	1	22190-120002	WASHER, SEAL 12	2							
4	1	129619-55150	FILTER ASSY, FUEL	1							
5	2	129052-55620	FILTER ASSY, FUEL	1							
6	3	104200-55321	VALVE, TAPER	1							
7	3	104200-55330	SPRING, VALVE	1							
8	3	129100-55650	ELEMENT	1							
10	3	129100-55670	LEVER	1							
11	3	129100-55680	CUP, STRAINER	1							
12	3	129100-55690	RING, RETAINING	1							
13	3	129100-55700	SPRING	1							
14	3	104200-55750	SCREW, M4	1							
15	3	24311-000160	O-RING, 1AP16.0	1							
16	3	24311-240100	O-RING, 1AP10A	1							
17	3	24321-000650	O-RING, 1AG65.0	1							
18	2	26014-080702	BOLT, M8X 70	1							
19	1	129619-59250	PIPE ASSY, FUEL	1							
20	2	124766-59050	CLIP, HOSE 12	10							
21	2	105312-59510	PIPE, FUEL	1							
22	2	119629-59510	PIPE, FUEL RETURN	1							
23	2	105025-59530	PIPE, FUEL D13X400	1							
24	2	105025-59530	PIPE, FUEL D13X400	1							
25	2	105025-59750	PIPE, FUEL	1							

Fig.14. FUEL INJECTION VALVE

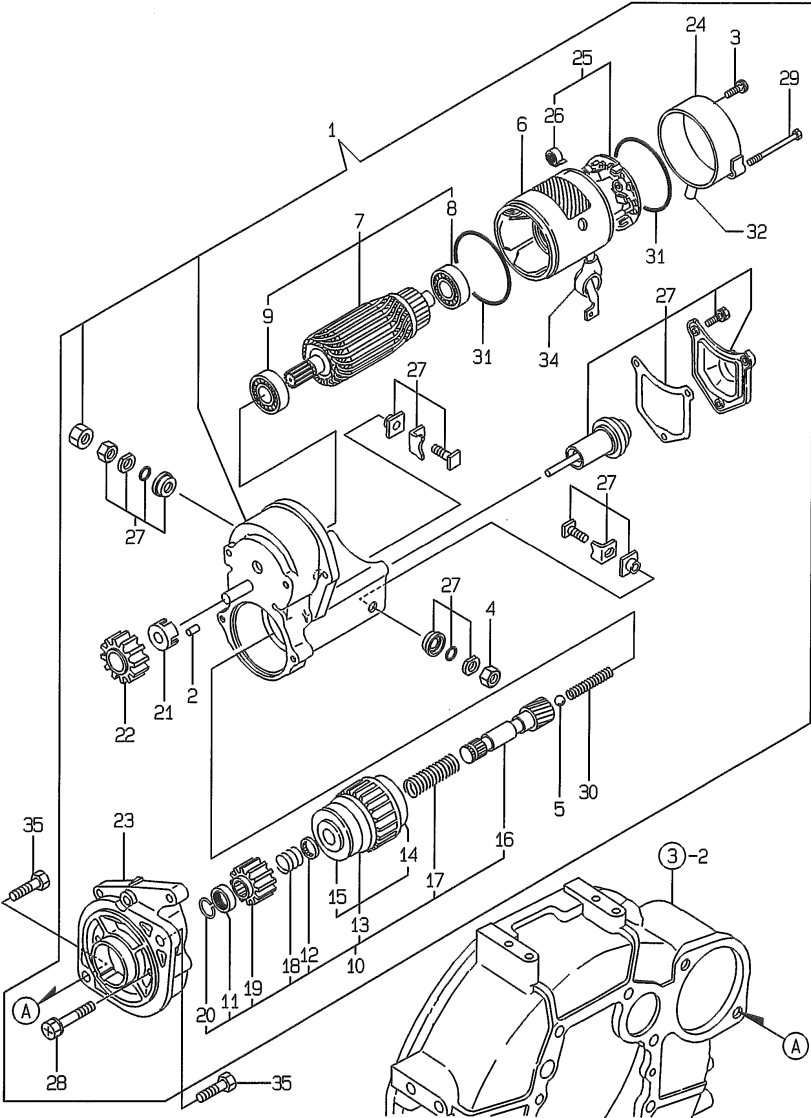
(A)=4TNE84-EAD1
(B)=
(C)=

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



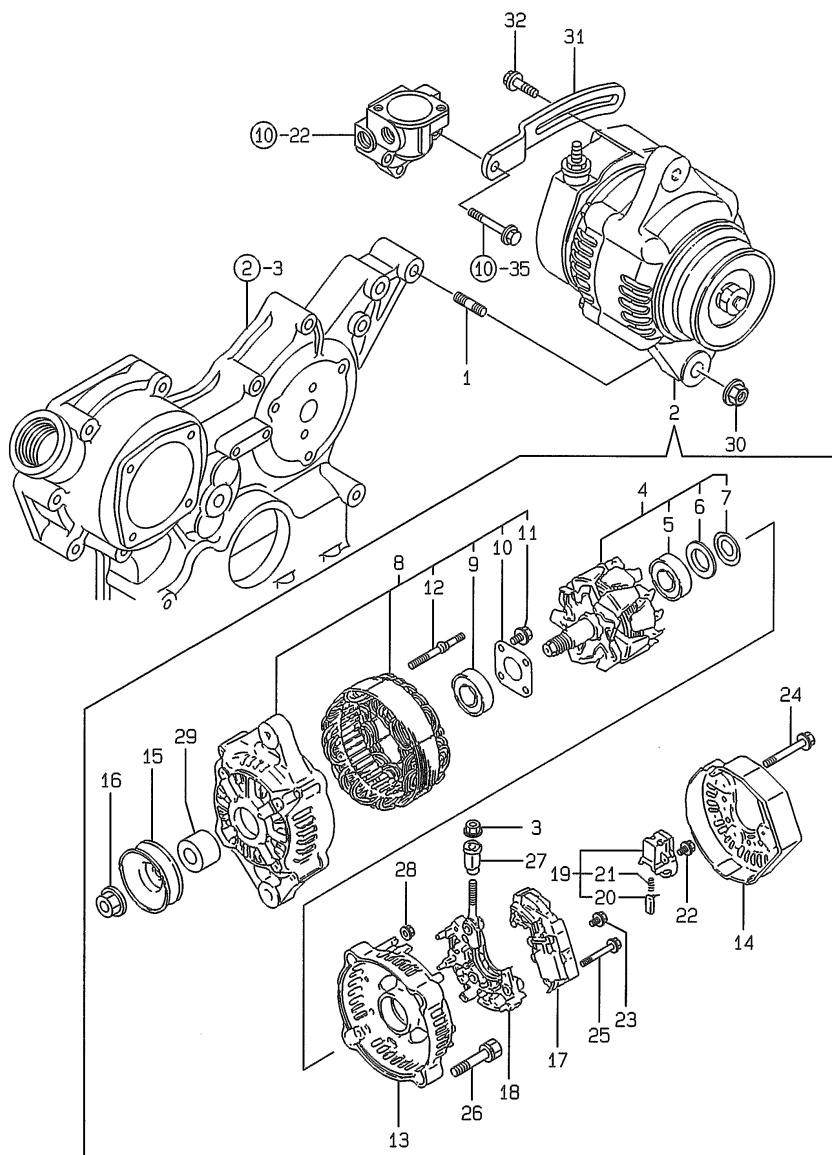
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719810-53100	VALVE ASSY,INJECTION	4							
2	2	119810-53000	VALVE ASSY,INJECTION	4							
5	2	114250-53080	NUT, NOZZLE D16.95	4							
9	2	114250-53120	SPRING, NOZZLE	4							
10	2	114250-53130	SEAT, SPRING	4							
11	2	114250-53140	PLATE	4							
12	2	114250-53210	PIN	8							
13	2	114250-53400	SHIM SET	4							
25	1	119305-59120	RETAINER, PIPE	2							
28	2	129150-59131	BOLT, M4X14	2							
30	1	129423-59810	PIPE ASSY, INJECTION	1							
34	1	129423-59820	PIPE ASSY, INJECTION	1							
38	1	129423-59830	PIPE ASSY, INJECTION	1							
42	1	129423-59840	PIPE ASSY, INJECTION	1							
46	1	124066-59100	CLIP, HOSE 8	7							
47	1	121250-59550	PIPE, FUEL D8X120	3							
48	1	119840-59500	PIPE ASSY, RETURN	1							
49	2	124066-59100	CLIP, HOSE 8	2							
50	2	119840-59560	PIPE, FUEL RETURN	1							
51	1	119840-59570	JOINT	1							
52	1	129150-59580	CAP	1							
53	1	129100-59951	VALVE ASSY, CHECK	1							
61	1	22190-120002	WASHER, SEAL 12	2							

OCV10-M83100 4TNE84-EAD1
Fig.15. STARTING MOTOR



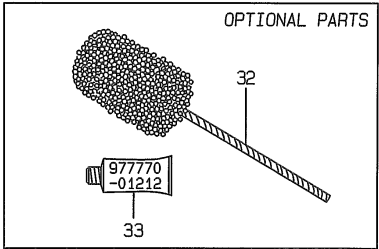
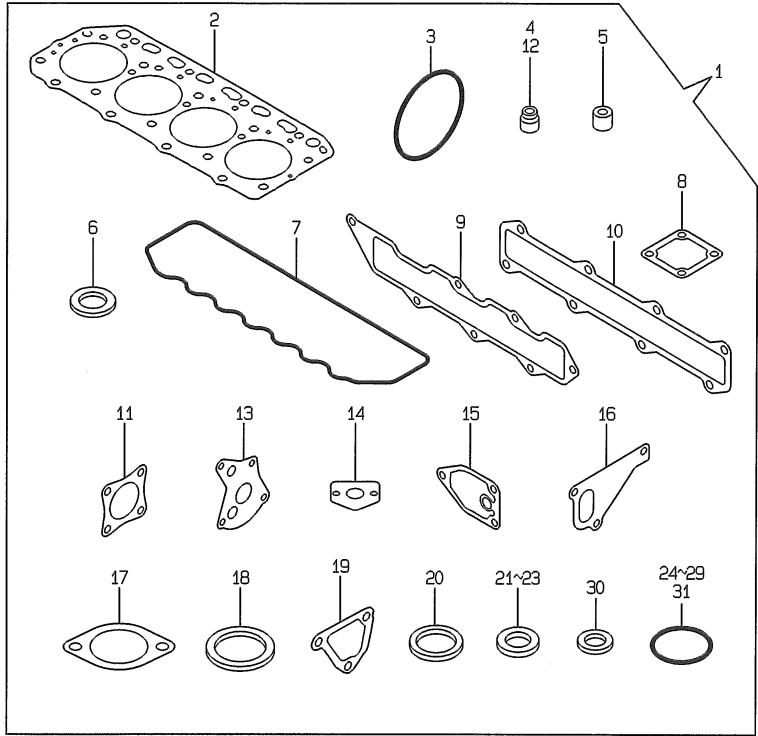
		OCV10-M83100		Fig.15	
		(A)=4TNE84-EAD1		(D)=	
		(B)=		(E)=	
		(C)=		(F)=	
				Q'ty	
				(A) (B) (C) (D) (E) (F)	
No.	Lev.	Parts No.	Description		
1	1	129407-77010	STARTER, RA1.4	1	
2	2	X0283060061	ROLLER	5	
3	2	129129-77460	SCREW	2	
4	2	X9490561370	NUT	1	
5	2	X9491200240	BALL	1	
6	2	129407-77210	YOKE ASSY	1	
7	2	129407-77220	ARMATURE ASSY	1	
8	3	129129-77230	BEARING	1	
9	3	129129-77240	BEARING	1	
10	2	129407-77250	STARTER	1	
11	3	X0280210230	NUT	1	
12	3	X0283270140	RETAINER	1	
13	3	129407-77390	CLUTCH ASSY	1	
14	4	129129-77440	BEARING, BALL	1	
15	4	129129-77450	BEARING, BALL	1	
16	3	129129-77400	SHAFT	1	
17	3	129129-77410	SPRING, COIL	1	
18	3	129407-77410	SPRING	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	129407-77280	HOUSING	1	
24	2	129129-77290	FRAME	1	
25	2	129407-77300	HOLDER ASSY	1	
26	3	X9491730461	SPRING	4	
27	2	129407-77310	SWITCH ASSY	1	
28	2	129129-77320	BOLT	2	
29	2	129407-77330	BOLT	2	
30	2	129129-77340	SPRING	1	
31	2	129129-77350	O-RING	2	
32	2	129129-77362	COVER	1	
34	2	129129-77380	CAP	1	
35	1	26116-120252	BOLT, M12X 25 PLATED	2	

Fig.16. GENERATOR



No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129795-01900	STUD	1					
2	1	119620-77201	GENERATOR, 40A	1					
3	2	X9490561001	NUT	1					
4	2	119620-77380	ROTOR ASSY	1					
5	3	119620-79240	BEARING, BALL	1					
6	3	119620-79250	COVER	1					
7	3	119620-79360	WASHER, THRUST	1					
8	2	119620-77421	FRAME ASSY, DRIVE	1					
9	3	119620-79200	BEARING, BALL	1					
10	3	119620-79210	PLATE, RETAINER	1					
11	3	119620-79220	SCREW	4					
12	3	119620-79230	STUD	2					
13	2	119620-77440	FRAME ASSY	1					
14	2	119620-77450	COVER	1					
15	2	119620-77461	PULLEY	1					
16	2	119620-77471	NUT	1					
17	2	119620-77710	REGULATOR ASSY	1					
18	2	119620-79260	HOLDER	1					
19	2	119620-79270	HOLDER, BRUSH	1					
20	3	119620-77480	BRUSH ASSY	2					
21	3	119620-79280	SPRING	2					
22	2	119620-79290	SCREW	6					
23	2	119620-79300	SCREW	1					
24	2	119620-79310	BOLT	3					
25	2	119620-79320	SCREW	2					
26	2	119620-79330	BOLT	2					
27	2	119620-79340	BUSH, INSULATION	1					
28	2	119620-79350	NUT	2					
29	2	119620-77490	COLLAR	1					
30	1	26306-100002	NUT, M10	1					
31	1	129410-77330	ADJUSTER	1					
32	1	119810-77340	BOLT, ADJUSTER	1					

Fig.17. GASKET SET



Remarks
(1) OPTIONAL PART.

(A)=4TNE84-EAD1
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729618-92640	GASKET SET	1							1
2	2	129408-01330	GASKET, HEAD	1							
3	2	121850-51960	O-RING	1							
4	2	124460-11340	SEAL, VALVE STEM	4							
5	2	119625-11872	PROTECTOR, NOZZLE	4							
6	2	119625-11880	SEAT, NOZZLE	4							
7	2	129550-11310	GASKET, BONNET	1							
8	2	129150-77511	GASKET	1							
9	2	129407-12110	GASKET, MANIFOLD	1							
10	2	129407-13110	GASKET	1							
11	2	129400-13201	GASKET, SILENCER	1							
12	2	121400-11340	SEAL, VALVE STEM	4							
13	2	129150-32020	GASKET, PUMP	1							
14	2	129150-35041	GASKET	1							
15	2	129150-35111	GASKET	1							
16	2	129486-42021	GASKET, WATER PUMP	1							
17	2	129795-49551	GASKET	1							
18	2	129150-49811	GASKET, THERMOSTAT	1							
19	2	124395-49840	GASKET	1							
20	2	129155-52050	GASKET	1							
21	2	22190-120002	WASHER, SEAL 12	4							
22	2	22190-080002	WASHER, SEAL 6	7							
23	2	22190-100002	WASHER, SEAL 10	2							
24	2	24311-000120	O-RING, 1AP12.0	3							
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26	2	24311-000320	O-RING, 1AP32.0	2							
27	2	24341-000500	O-RING, 1AS50.0	1							
28	2	24341-000240	O-RING, 1AS24.0	1							
29	2	24341-000250	O-RING, 1AS25.0	1							
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31	2	119609-32040	O-RING, P16	2							
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