

0CW10-M14600EN

PREFACE

- 1.This Parts Catalog carries all parts incorporated in YANMAR Model 3TNV88-KVA engine manufactured since November, 2006.
- 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.

How to read this Parts Catalog.

1. Parts mentioned in Parts Catalog may not necessarily be standard equipping parts
2. Parts change may be made without prior notice.
3. Form of this Parts Catalog.

Y00F2161 29. FUEL INJECTION PUMP (W/BOOST)

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

①
↓
REF.

②
↓
LEV.

PARTS No.

DESCRIPTION

QTY

I R

		PARTS No.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1		729595-51390	FUEL INJECTION PUMP	1	1	1	1	1			
1-1	1	729595-51391	FUEL INJECTION PUMP	1	1	1	1	1			
	⑤	(A=E00185) (B=E00200)									
3	2	26022-060162	SCREW M 6X16	9	9	9	9	9			
I 3-1	2	26022-060162	SCREW M 6X16	4	4	4	4	4			K
		(A=E00156) (B=E00156) (C=E00156) (D=E00156) (E=E00156)									
4	2	129470-51040	CAMSHFT	9	9	9	9	9			
5	2	122710-51050	BEARING. ROLLER	9	9	9	9	9			
6	2	129470-51060	RETAINER	9	9	9	9	9			

Remarks

(1) BOOST COMPENSATOR TYPE.
 OPTIONAL PART. TO E/#00155
 (4JH-DT, 4JH-DTZ)

①Ref. No,

The Ref. No, in the list may not be in accordance with the Ref. No, on illustration.

(Ex.) illustration No, List heed No,
1 1 (Before change) → 1-1 (After change)

When interchangeable symbol N, and k, illustrations for the new parts are sometimes omitted.

②Lev. (Level)

Indication and Meaning of Level

Level Hereunder is given the relation among the number of number (1,2,3) the level and the nominal parent-child relationship.

1 ---- Parent parts (Assembly parts)

2 ---- Child parts included in " 1 " (Semi-Assembly parts, component parts of Assembly parts.)

3 ---- Child parts included in " 2 ", Grand-child parts in terms of " 1 ".

(Component parts of Semi-Assembly parts.)

Note) A parts of non-sale parts are illustrated but not listed.

③Change Mark

Change Mark " I " is given to the part for which a design change was made at this time.

The design change was not shown in the last published Parts Catalog.

④Interchangeability Mark

In the case where a part change took place, one of the following interchangeability marks is indicated for that part

Symbol	Interchangeability	Contents note
N	Old → New	New Part is interchangeable for Old Part but not interchangeable conversely.
Q	Old ↔ New	New Part is not interchangeable for Old Part but interchangeable conversely.
R	Old ↔ New	New Part is interchangeable for Old Part and vice versa.
S	Old → New	New Part is not interchangeable for Old Part and vice versa.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable single part but interchangeable by set of the related parts.
K		Changed only in quantity used.

⑤Effective Machine No,

When a part is changed, Effective Machine No, of a Model for which the part is applicable is indication

In each column of (A)-(F).

Product Symbol	Product No,	Product Symbol	Product No,
C	Clutch No, Compressor No,	M	Machine No,
D	Drive No,	T	Tractor No,
E	Engine No,	Note 1)※	Date

Note 1) Date may follow the symbol in some cases.(Ex.) ※1996.01

Note 2) As far as engine models shown by " XXX " are concerned, the modification of the parts could not be Predicted or the engine models themselves could not be identified.

Note 3) (A=E/#00185) means that the design change on the part has been effective for the model at the, column (A) (in the case, for 4JH-DT) on and from E/#(Engine Serial Number) 00185

⑥Remarks Mark

Figures or alphabets (Symbols) are entered in the remark column.

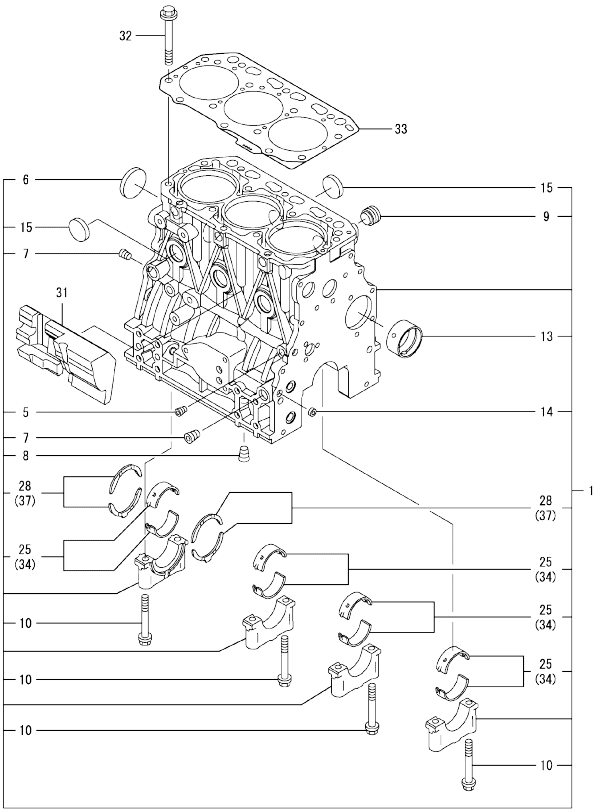
The comments (remarks) on the pertinent parts are indicated in the lower part of the list by the same symbols a those stated above.

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Fig. No.	Fig. Name	Fig. No.	Fig. Name
3	TNV88-KVA		
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4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD		
6.	EXHAUST MANIFOLD		
7.	CAMSHAFT & DRIVING GEAR		
8.	CRANKSHAFT & PISTON		
9.	LUB.OIL SYSTEM		
10.	COOLING WATER SYSTEM		
11.	FUEL INJECTION PUMP		
12.	GOVERNOR		
13.	FUEL INJECTION VALVE		
14.	FUEL LINE		
15.	STARTING MOTOR		
16.	GENERATOR		
17.	GASKET SET		

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Fig.1. CYLINDER BLOCK

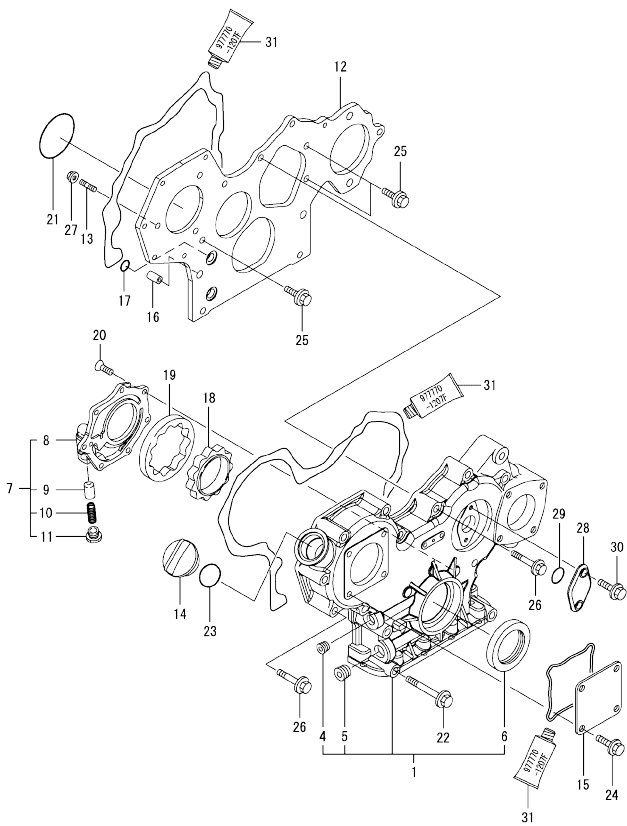


Remarks
(1) UNDER-SIZE(U.S=0.25)PART.
(2) OVER-SIZE(O.S=0.25)PART.
(3) REPAIR PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-01560	BLOCK ASSY, CYLINDER	1							
5	2	124060-01050	PLUG, PT1/8	1							
6	2	129001-01250	PLUG, 50	1							
7	2	124160-01910	PLUG, PT1/4	2							
8	2	124160-01910	PLUG, PT1/4	1							
9	2	171051-01921	PLUG, NPTF1	1							
10	2	129150-02020	BOLT, METAL CAP	8							
13	2	129795-02412	BUSH, CAMSHAFT	1							
14	2	27241-120000	PLUG, 12	2							
15	2	27241-300000	PLUG 30	6							
25	2	129001-02931	BEARING, MAIN	4							3
28	2	129150-02931	BEARING, THRUST	2							
31	1	129004-01190	SPACER	1							
32	1	129150-01200	BOLT, HEAD	14							
33	1	129001-01340	GASKET, HEAD	1							
34	1	129150-02871	BEARING, 0.25 US	4							1
37	1	129150-02941	BEARING, THRUST 0.25	1							2

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Fig.2. GEAR HOUSING



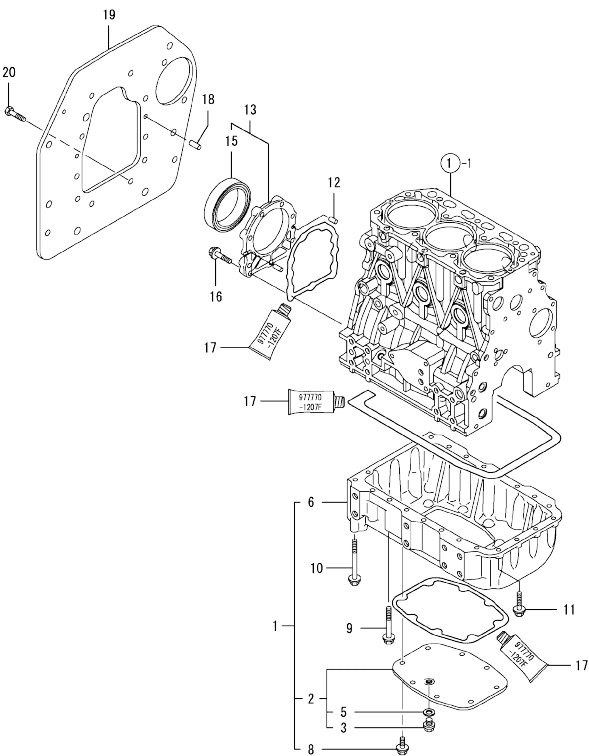
Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-01500	CASE ASSY, GEAR	1							
4	2	23876-030000	PLUG, R03	1							
5	2	23876-040000	PLUG, R04	1							
6	2	129795-01800	SEAL, OIL	1							
7	1	119802-32100	COVER ASSY	1							
8	2	119802-32070	COVER	1							
9	2	129900-32130	VALVE, RELIEF	1							
10	2	129418-32320	SPRING	1							
11	2	129001-32330	PLUG	1							
12	1	129005-01520	FLANGE, GEAR CASE	1							
13	1	119802-01561	STUD, M8X25	3							
14	1	124160-01751	COVER, FILLER	1							
15	1	124240-01871	COVER	1							
16	1	129795-01950	PIPE, KNOCK L=18	2							
17	1	119609-32040	O-RING, P16	4							
18	1	119802-32111	ROTOR, INNER	1							
19	1	119802-32120	ROTOR, OUTER	1							
20	1	119802-32130	SCREW, M6X16	7							
21	1	121850-51960	O-RING	1							
22	1	129001-91841	BOLT, M8X85	3							
23	1	24311-000320	O-RING, 1AP32.0	1							
24	1	26106-080162	BOLT, M8X 16 PLATED	4							
25	1	26106-080162	BOLT, M8X 16 PLATED	3							
26	1	26106-080552	BOLT, M8X 55 PLATED	11							
27	1	26306-080002	NUT, M8	3							
28	1	121023-01551	COVER	1							
29	1	24341-000240	O-RING, 1AS24.0	1							
30	1	26106-060162	BOLT, M6X 16 PLATED	2							
31	1	977770-1207F	GASKET,LIQUID	1							1

N:Old $\frac{NBS}{100}$ New, Q:Old $\frac{HQ}{100}$ New, R:Old $\frac{RBS}{100}$ New, S:Old $\frac{HS}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.3. MOUNTING FLANGE & OIL SUMP



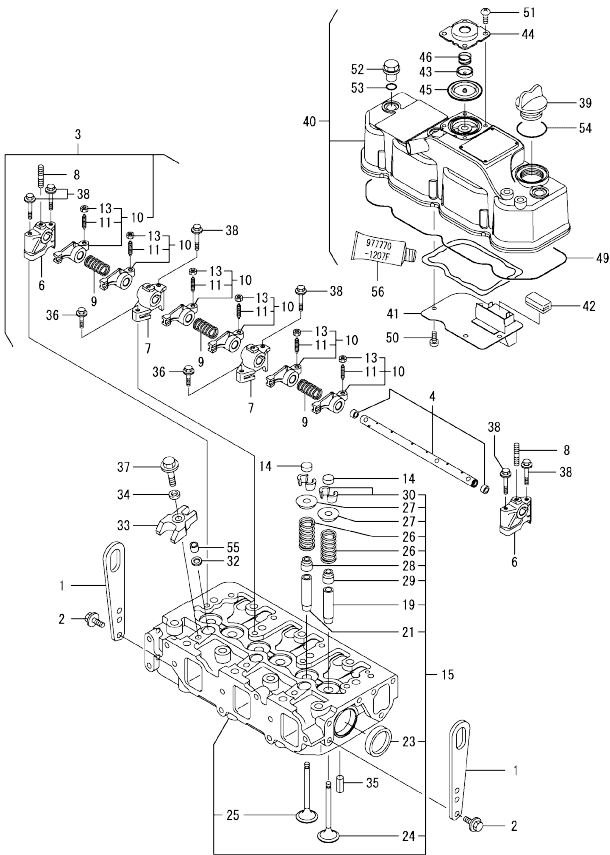
Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129126-01550	SUMP ASSY, OIL	1							
2	2	129129-01540	COVER ASSY, OIL SUMP	1							
3	3	105425-01690	PLUG, 16	1							
5	3	22190-160002	WASHER, SEAL 16	1							
6	2	129126-01700	SUMP, OIL	1							
8	2	26106-080122	BOLT, M8X 12 PLATED	8							
9	1	129001-91841	BOLT, M8X85	14							
10	1	129001-91910	BOLT, M8X120	4							
11	1	26106-080252	BOLT, M8X 25 PLATED	4							
12	1	129100-01580	PIN, M8X16	2							
13	1	129100-01640	CASE ASSY, OIL SEAL	1							
15	2	129795-01780	SEAL, OIL	1							
16	1	129486-01670	BOLT, M8X30	9							
17	1	977770-1207F	GASKET, LIQUID	1							1
18	1	129100-01580	PIN, M8X16	2							
19	1	129267-01600	FLANGE, MOUNTING	1							
20	1	26206-100202	BOLT, M10X 20 PLATED	8							

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{YES}{NO}$ New, R:Old $\frac{YES}{NO}$ New, S:Old $\frac{YES}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.4. CYLINDER HEAD & BONNET

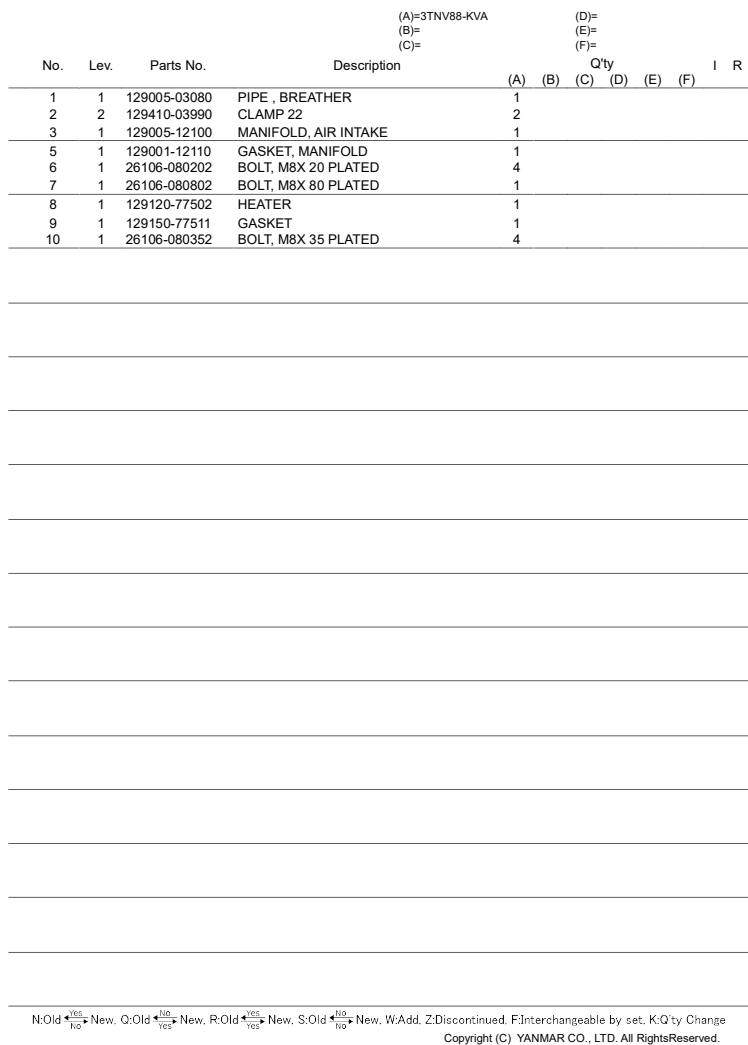


Remarks
(1) REPAIR PARTS.
(2) OPTIONAL PART.

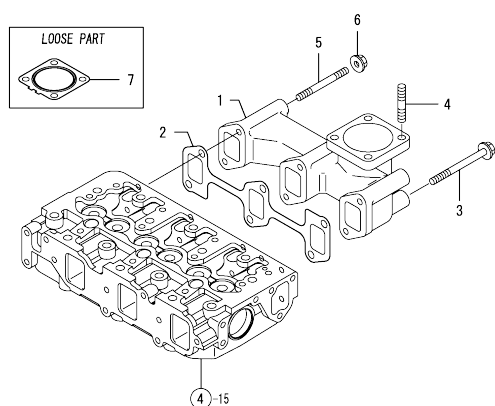
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER	2							
2	1	26106-080162	BOLT, M8X 16 PLATED	4							
3	1	129004-11241	SHAFT ASSY, ROCKER	1							
4	2	129004-11251	SHAFT, ROCKER ARM	1							
6	2	119802-11260	SUPPORT, ROCKER ARM	2							
7	2	119802-11270	SUPPORT, ROCKER ARM	2							
8	2	119802-11280	STUD	3							
9	2	129150-11280	SPRING	3							
10	2	129004-11650	ARM, ROCKER	6							
11	3	129150-11230	SCREW, VALVE ADJUST	6							
13	3	129150-11750	NUT, M8	6							
14	1	129150-11370	CAP, VALVE	6							
15	1	129005-11700	HEAD ASSY, CYLINDER	1							
19	2	120130-11860	GUIDE, VALVE	3							1
21	2	129150-11810	GUIDE, VALVE	3							1
23	2	27241-400000	PLUG, 40	2							
24	2	129005-11100	VALVE, INTAKE	3							
25	2	129100-11112	VALVE, EXHAUST	3							
26	2	129795-11120	SPRING, VALVE	6							
27	2	129795-11180	RETAINER, SPRING	6							
28	2	121400-11340	SEAL, VALVE STEM	3							
29	2	124460-11340	SEAL, VALVE STEM	3							
30	2	27310-080001	COTTER, 8	6							
32	1	119625-11880	SEAT, NOZZLE	3							
33	1	129004-11900	RETAINER, NOZZLE	3							
34	1	120270-54410	WASHER, INJECTOR	3							
35	1	22351-060012	PIN, SPRING 6.0X12	2							
36	1	26106-080252	BOLT, M8X 25 PLATED	2							
37	1	26106-080352	BOLT, M8X 35 PLATED	3							
38	1	26106-080502	BOLT, M8X 50 PLATED	6							
39	1	124160-01751	COVER, FILLER	1							
40	1	129004-11350	BONNET ASSY, HEAD	1							
41	2	129004-03010	PLATE	1							
42	2	129150-03070	BAFFLE, BREATHER	1							
43	2	119802-03110	PLATE	1							
44	2	119802-03121	COVER, DIAPHRAGM	1							
45	2	119802-03130	DIAPHRAGM	1							
46	2	119802-03141	SPRING, DIAPHRAGM	1							
49	2	129004-11310	GASKET, BONNET	1							
50	2	22857-500100	SCREW, 5X10	4							
51	2	22857-500100	SCREW, 5X10	4							
52	1	124160-11360	KNOB	3							
53	1	24311-000120	O-RING, 1AP12.0	3							
54	1	24311-000320	O-RING, 1AP32.0	1							
55	1	119802-11870	PROTECTOR, NOZZLE	3							
56	1	977770-1207F	GASKET, LIQUID	1							2

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



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

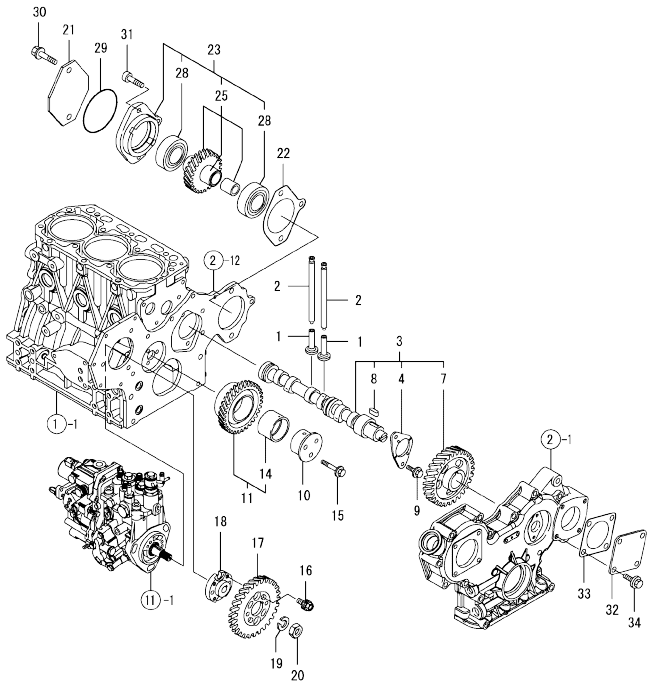


				(A)=3TNV88-KVA	(D)=								
				(B)=	(E)=								
				(C)=	(F)=								
No.	Lev.	Parts No.	Description	Qty							I	R	
				(A)	(B)	(C)	(D)	(E)	(F)				
1	1	171350-13100	MANIFOLD, EXHAUST	1									
2	1	129150-13110	GASKET	1									
3	1	123900-13630	BOLT, M8X80	4									
4	1	119131-18320	STUD, M8X22	4									
5	1	123900-13610	STUD, M8X80	2									
6	1	26306-080002	NUT, M8	2									
7	1	129004-13200	GASKET, SILENCER	1									

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

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Fig.7. CAMSHAFT & DRIVING GEAR



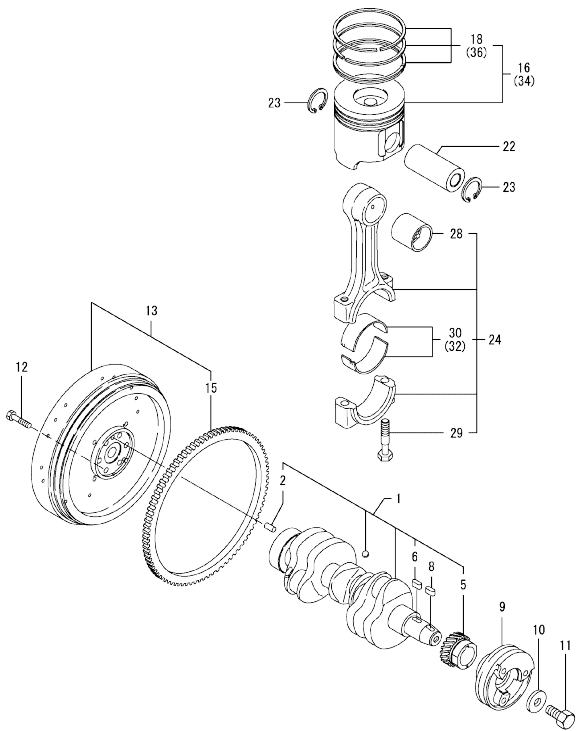
Remarks
(1) REPAIR PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
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							
7	2	129150-14101	GEAR, CAMSHAFT	1							
8	2	22512-070140	KEY, 7X 14	1							
9	1	26106-080142	BOLT, M8X 14 PLATED	2							
10	1	119802-25051	SHAFT, IDLE	1							
11	1	119802-25101	GEAR ASSY, IDLE	1							
14	2	119802-25071	BUSH, IDLE GEAR	1							1
15	1	26106-080402	BOLT, M8X 40 PLATED	3							
16	1	129150-25301	BOLT	4							
17	1	119802-25901	GEAR, PUMP	1							
18	1	158552-51151	FLANGE	1							
19	1	22217-140000	WASHER, SPRING 14	1							
20	1	26776-140002	NUT, LOCK M14	1							
21	1	121023-26070	COVER	1							
22	1	171353-26081	GASKET	1							
23	1	129051-26200	DRIVE ASSY, PUMP	1							
25	2	129051-26210	GEAR ASSY, PUMP	1							
28	2	24105-060064	BEARING, BALL 6006Z	2							
29	1	24321-000850	O-RING, 1AG85.0	1							
30	1	26106-100452	BOLT, M10X 45 PLATED	2							
31	1	26450-080282	BOLT, M8X 28	1							
32	1	124240-01871	COVER	1							
33	1	124240-01883	GASKET	1							
34	1	26106-080162	BOLT, M8X 16 PLATED	4							

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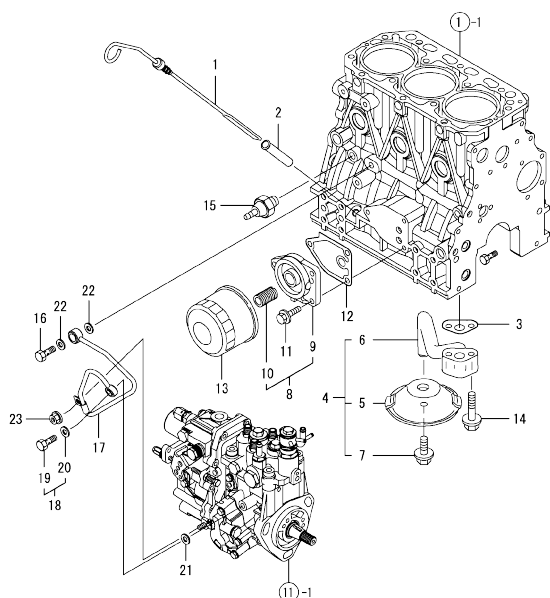
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Fig.8. CRANKSHAFT & PISTON



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

No.	Lev.	Parts No.	Description	(A)=3TNV88-KVA						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-21002	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
5	2	119802-21202	GEAR, CRANKSHAFT	1							
6	2	22512-070140	KEY, 7X 14	1							
8	1	22512-070140	KEY, 7X 14	1							
9	1	129051-21660	V-PULLEY	1							
10	1	129795-21661	WASHER	1							
11	1	121850-21680	BOLT	1							
12	1	121111-21501	BOLT, FLYWHEEL	6							
13	1	129267-21580	FLYWHEEL ASSY	1							
15	2	119865-21600	GEAR, RING	1							
16	1	129005-22080	PISTON ASSY	3							
18	2	129005-22500	RING SET, PISTON	3							
22	1	129202-22300	PIN, PISTON D26 L70	3							
23	1	22252-000260	RING, 26	6							
24	1	729402-23100	ROD ASSY, CONNECTING	3							
28	2	129100-23910	BEARING, PISTON PIN	3							1
29	2	121550-23200	BOLT, CONNECTING ROD	6							
30	2	129150-23601	BEARING, CRANK PIN	3							
32	1	129150-23611	BEARING, 0.25 US	3							2
34	1	129005-22900	PISTON ASSY, 0.25 OS	3							3
36	2	129005-22950	RING SET, 0.25 OS	3							3



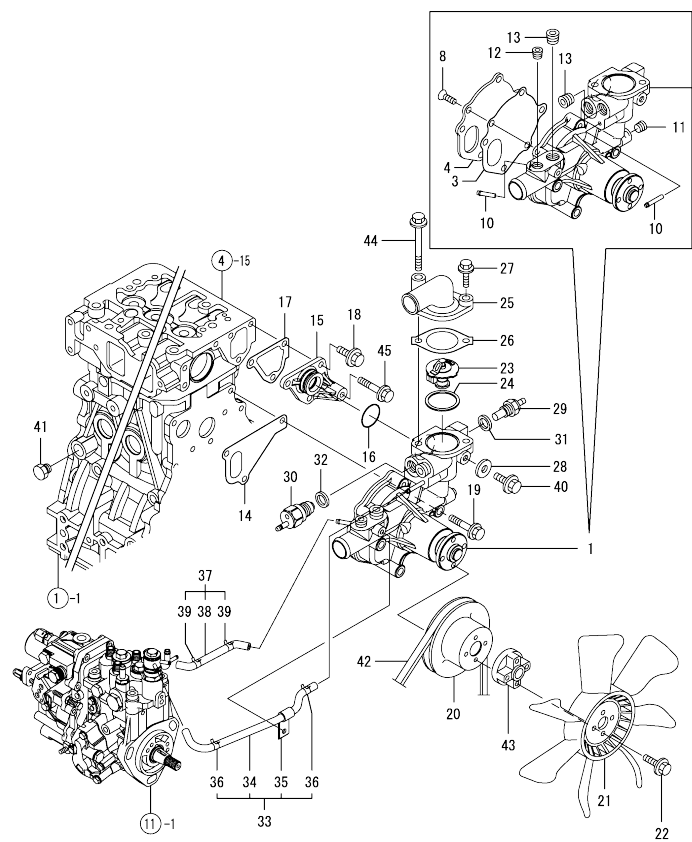
Remarks
(1) REPAIR PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129263-34811	DIPSTICK, OIL	1							
2	1	121520-34810	GUIDE, DIPSTICK	1							
3	1	129150-35042	GASKET	1							
4	1	129129-35090	PIPE ASSY, OIL INLET	1							
5	2	129129-35010	PIPE, OIL INLET	1							
6	2	129129-35080	PIPE, OIL INLET	1							
7	2	26106-080122	BOLT, M8X 12 PLATED	1							
8	1	119802-35100	BRACKET ASSY, FILTER	1							
9	2	119802-35110	BRACKET, FILTER	1							
10	2	129100-35140	STUD	1							
11	1	26106-080202	BOLT, M8X 20 PLATED	3							
12	1	129150-35111	GASKET	1							
13	1	129150-35153	FILTER 80X80L	1							1
14	1	26106-080352	BOLT, M8X 35 PLATED	2							
15	1	114250-39450	SWITCH, 0.5KG	1							
16	1	124160-39140	BOLT, PIPE JOINT M10	1							
17	1	119802-39450	PIPE ASSY, OIL	1							
18	1	129005-59830	BOLT ASSY, JOINT M8	1							
19	2	23857-030000	BOLT, JOINT 3	1							
20	2	22190-080002	WASHER, SEAL 6	1							
21	1	22190-080002	WASHER, SEAL 6	1							
22	1	22190-100002	WASHER, SEAL 10	2							
23	1	26366-060002	NUT, M6	1							

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

0CW10-M14600

Fig.10. COOLING WATER SYSTEM

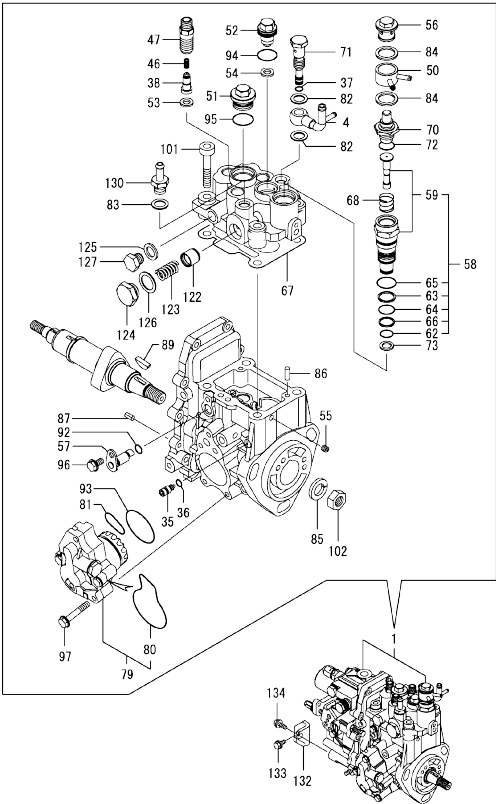


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-42001	PUMP ASSY, WATER	1							
3	2	129100-42051	GASKET, WATER PUMP	1							
4	2	129100-42121	PLATE	1							
8	2	121850-42410	SCREW	3							
10	2	119802-49113	JOINT, PIPE	2							
11	2	23876-010000	PLUG, R01	1							
12	2	23876-020000	PLUG, R02	1							
13	2	129916-49740	PLUG, R03	2							
14	1	129486-42021	GASKET, WATER PUMP	1							
15	1	129004-42040	JOINT	1							
16	1	129486-42140	O-RING, G30	1							
17	1	124395-49840	GASKET	1							
18	1	26106-080162	BOLT, M8X 16 PLATED	3							
19	1	26106-080602	BOLT, M8X 60 PLATED	3							
20	1	129155-42350	V-PULLEY	1							
21	1	121267-44741	FAN, COOLING D=360	1							
22	1	26106-060402	BOLT, M6X 40 PLATED	4							
23	1	129155-49801	THERMOSTAT, 71	1							
24	1	129150-49811	GASKET, THERMOSTAT	1							
25	1	124101-49531	COVER, THERMOSTAT	1							
26	1	129795-49551	GASKET	1							
27	1	26106-080252	BOLT, M8X 25 PLATED	1							
28	1	23414-080000	GASKET, 8X1.0	1							
29	1	124250-49351	SENSOR	1							
30	1	121250-44901	SWITCH, 110	1							
31	1	124465-44950	GASKET, 16	1							
32	1	129150-49360	GASKET	1							
33	1	129004-49610	PIPE ASSY, WATER	1							
34	2	129004-49711	PIPE ASSY, WATER	1							
35	2	119802-49730	RETAINER, PIPE	1							
36	2	124722-59050	CLIP, HOSE 9	2							
37	1	129004-49620	PIPE ASSY, WATER	1							
38	2	129004-49721	PIPE ASSY, WATER	1							
39	2	124722-59050	CLIP, HOSE 9	2							
40	1	26106-080122	BOLT, M8X 12 PLATED	1							
41	1	171056-49120	PLUG, DRAIN	1							
42	1	25132-003500	V-BELT, A35	1							
43	1	171353-44760	SPACER, FAN	1							
44	1	26106-080652	BOLT, M8X 65 PLATED	1							
45	1	26106-080452	BOLT, M8X 45 PLATED	1							

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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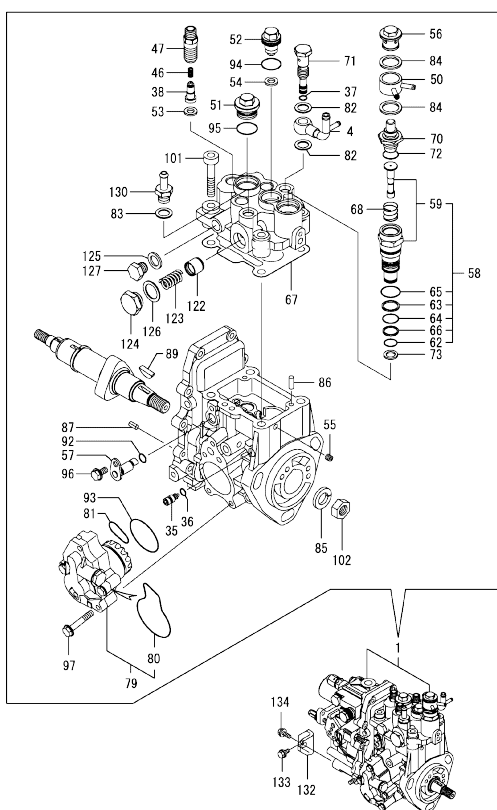
Fig.11. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY(FIG.12) 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	729267-51340	PUMP ASSY, INJECTION	1							1
4	2	158552-51670	JOINT, OVER FLOW	1							
35	2	158600-51270	STOPPER, TAPPET	1							
36	2	158563-51281	O-RING, 4D S6	1							
37	2	158563-51281	O-RING, 4D S6	1							
38	2	158560-51300	VALVE ASSY, DELIVERY	3							
46	2	158563-51330	SPRING, DELIVERY	3							
47	2	158601-51340	HOLDER, DELIVERY	3							
50	2	158553-51551	JOINT	1							
51	2	158601-51550	PLUG	1							
52	2	119802-51560	PLUG, BARREL	1							
53	2	158552-51570	GASKET	3							
54	2	158552-51570	GASKET	1							
55	2	158557-51570	PLUG	1							
56	2	158601-51570	PLUG	1							
57	2	158552-51580	LIFTER	1							
58	2	119802-51590	TIMER SET	1							
59	3	119802-51600	TIMER ASSY	1							
62	3	158553-51670	O-RING, 1011	1							
63	3	119802-51680	RING, BACK UP	1							
64	3	119802-51690	O-RING	1							
65	3	24356-010200	O-RING, 4D1020	1							
66	3	24372-000150	RING, BACK UP T2P15	1							
67	2	158552-51600	GASKET	1							
68	2	158553-51630	SPRING, TIMER	1							
70	2	158553-51640	ELEMENT	1							
71	2	158601-51650	JOINT, OVER FLOW	1							
72	2	158553-51660	O-RING, P14	1							
73	2	158553-51680	GASKET	1							
79	2	158552-52100	PUMP ASSY, FUEL FEED	1							
80	3	158552-52500	O-RING	1							
81	2	158552-52310	O-RING	1							
82	2	22190-120002	WASHER, SEAL 12	2							
83	2	22190-120002	WASHER, SEAL 12	1							
84	2	22190-180002	WASHER, SEAL 18	2							
85	2	22217-140000	WASHER, SPRING 14	1							
86	2	22312-050140	PIN, PARALLEL M5X14	2							
87	2	22351-050010	PIN, SPRING 5.0X10	2							
89	2	119802-51090	KEY, 4X16	1							
92	2	24311-000070	O-RING, 1AP7.0	1							
93	2	158552-52400	O-RING, 4E S42	1							
94	2	24356-010180	O-RING, 4D1018	1							
95	2	24356-010200	O-RING, 4D1020	1							
96	2	26106-060102	BOLT, M6X 10 PLATED	1							
97	2	158553-51770	BOLT	4							
101	2	26450-080452	BOLT, M8X 45	4							
102	2	26776-140002	NUT, LOCK M14	1							
122	2	158601-51770	PISTON	1							
123	2	158552-51781	SPRING	1							
124	2	158601-51790	PLUG	1							
125	2	22190-120002	WASHER, SEAL 12	1							

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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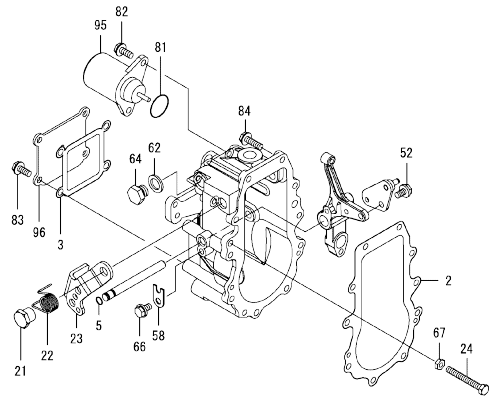
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
126	2	22190-180002	WASHER, SEAL 18	1							
127	2	23887-120002	PLUG, 12	1							
130	2	119934-59910	JOINT, PIPE	1							
132	1	119802-51250	RETAINER, PUMP	1							
133	1	26106-080162	BOLT, M8X 16 PLATED	1							
134	1	26106-080202	BOLT, M8X 20 PLATED	1							

Remarks
(1) GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FOP.CMP
(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

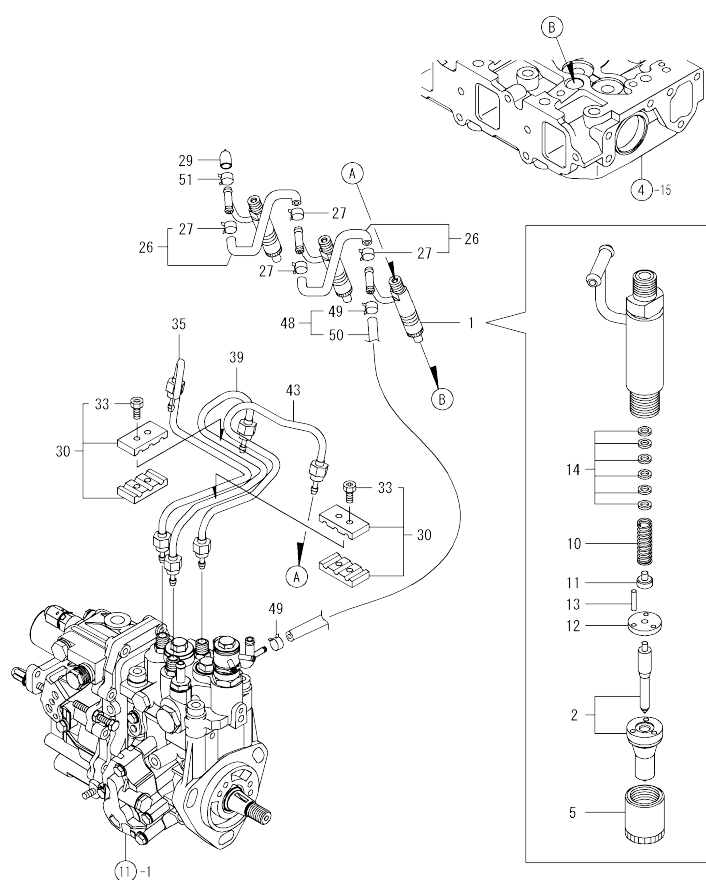
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Fig.12. GOVERNOR



Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.11).

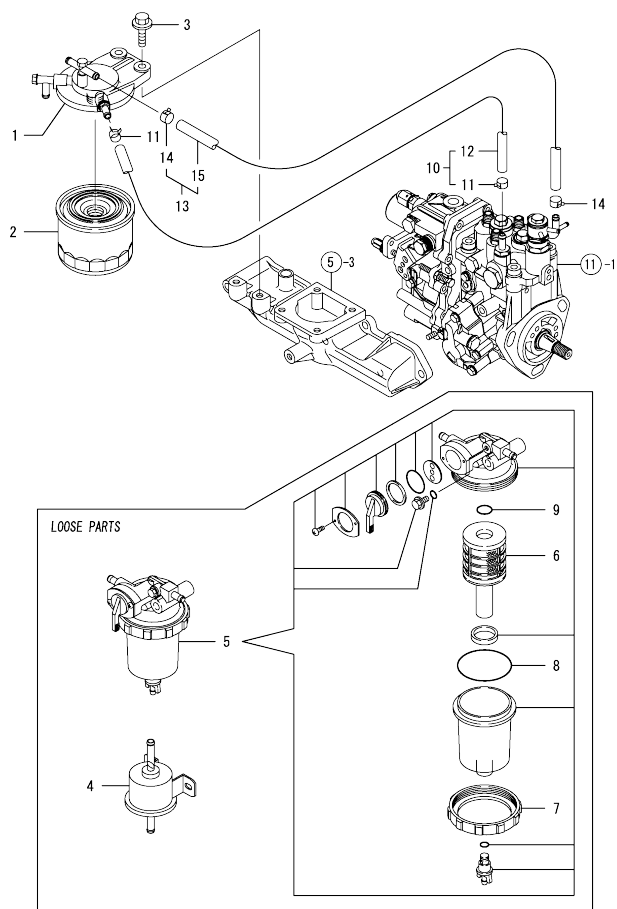
				(A)=3TNV88-KVA (B)= (C)=							(D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	Q'ty						I	R
2	2	158553-61050	GASKET	1													
3	2	158553-61070	GASKET	1													
5	2	129155-51280	O-RING, S6	1													
21	2	129255-61410	NUT, LOCK	1													
22	2	119807-61420	SPRING, RETURN	1													
23	2	158552-61441	LEVER, REGULATOR	1													
24	2	129155-61460	BOLT, IDLE	1													
52	2	26106-060102	BOLT, M6X 10 PLATED	1													
58	2	119660-61901	RETAINER, SHAFT	1													
62	2	22190-120000	WASHER, SEAL 12	1													
64	2	23887-120002	PLUG, 12	1													
66	2	26106-060102	BOLT, M6X 10 PLATED	1													
67	2	26756-060002	NUT, LOCK M6	1													
81	2	158552-61900	O-RING	1													
82	2	26106-060142	BOLT, M6X 14 PLATED	2													
83	2	26106-060142	BOLT, M6X 14 PLATED	4													
84	2	26106-060202	BOLT, M6X 20 PLATED	10													
95	2	119233-77932	SOLENOID, STOP	1													
96	2	129642-61060	COVER, GOVERNOR CASE	1													



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-53101	VALVE ASSY,INJECTION	3							
2	2	129005-53001	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
10	2	114250-53120	SPRING, NOZZLE	3							
11	2	114250-53130	SEAT, SPRING	3							
12	2	114250-53140	PLATE	3							
13	2	114250-53210	PIN	6							
14	2	114250-53400	SHIM SET	3							
26	1	129486-59551	PIPE ASSY. RETURN	2							
27	2	124722-59050	CLIP, HOSE 9	4							
29	1	119593-59581	CAP	1							
30	1	129150-59120	RETAINER, PIPE	2							
33	2	129150-59131	BOLT, M4X14	4							
35	1	129004-59811	PIPE ASSY. INJECTION	1							
39	1	129004-59821	PIPE ASSY. INJECTION	1							
43	1	129004-59831	PIPE ASSY. INJECTION	1							
48	1	119802-59550	PIPE ASSY. RETURN	1							
49	2	124722-59050	CLIP, HOSE 9	2							
50	2	119802-59560	PIPE, FUEL RETURN	1							
51	1	124060-77680	CLIP, HOSE 10	1							

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

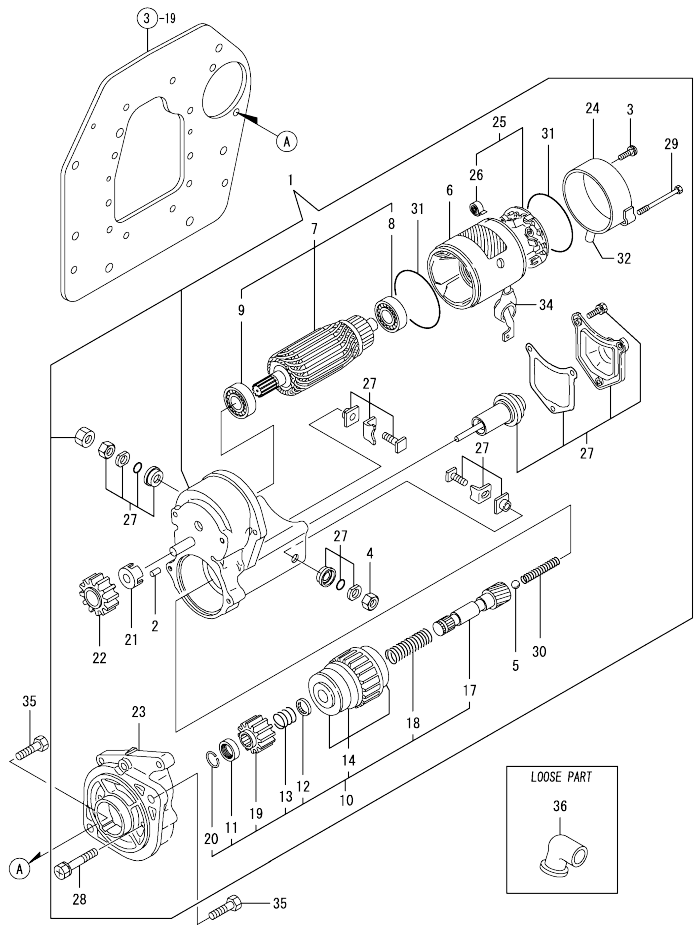
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No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-55612	BRACKET, FILTER	1							
2	1	119802-55801	FILTER, FUEL	1							
3	1	26106-080302	BOLT, M&X 30 PLATED	2							
4	1	119225-52102	PUMP ASSY, FUEL FEED	1							
5	1	119802-55700	SEPARATOR ASSY	1							
6	2	119802-55710	ELEMENT	1							
7	2	129100-55690	RING, RETAINING	1							
8	2	24321-000650	O-RING, 1AG65.0	1							
9	2	24311-000160	O-RING, 1AP16.0	1							
10	1	129210-59050	PIPE ASSY, FUEL	1							
11	2	124766-59050	CLIP, HOSE 12	2							
12	2	105312-59510	PIPE, FUEL	1							
13	1	129210-59100	PIPE ASSY, FUEL	1							
14	2	124766-59050	CLIP, HOSE 12	2							
15	2	105025-59580	PIPE, FUEL	1							

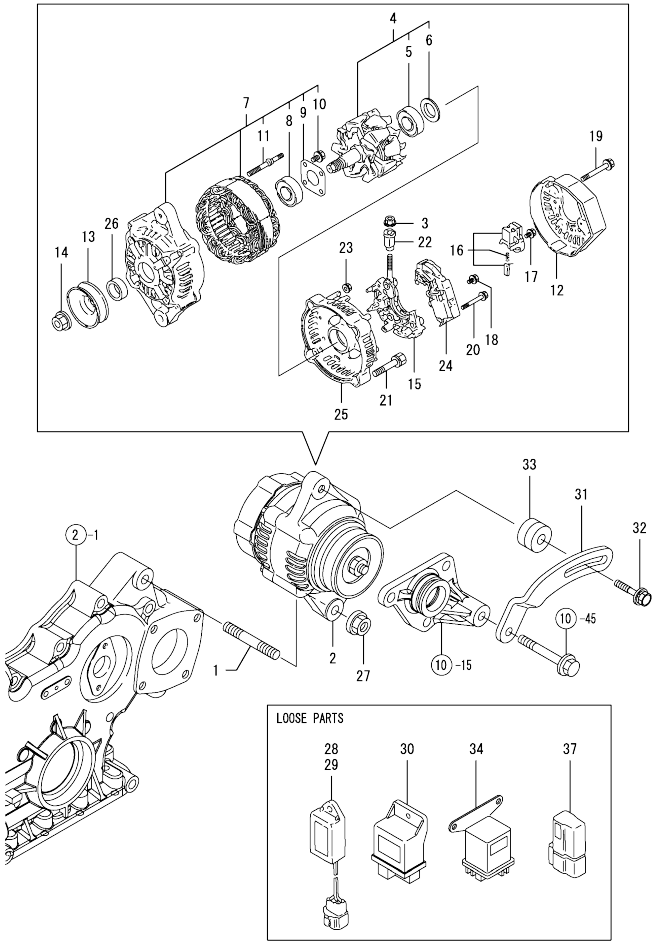
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Fig.15. STARTING MOTOR



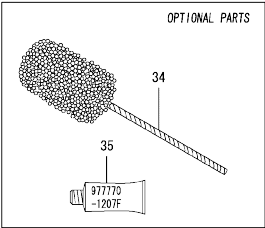
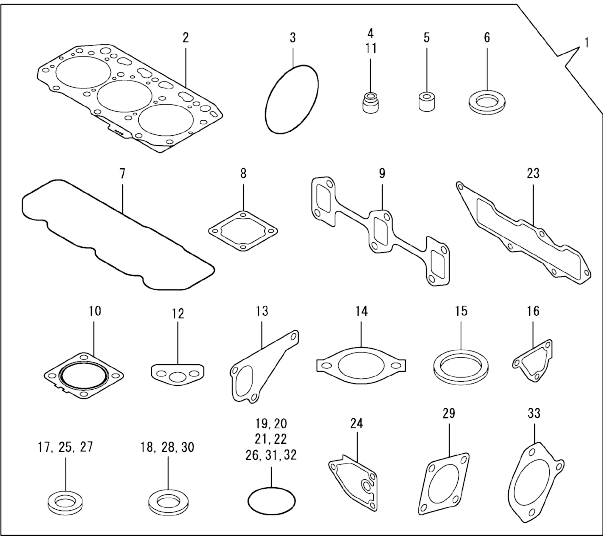
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129129-77010	STARTER ASSY	1							
2	2	X0283060061	ROLLER	5							
3	2	129129-77460	SCREW	2							
4	2	X9490561370	NUT	1							
5	2	X9491200240	BALL	1							
6	2	129129-77210	YOKE ASSY	1							
7	2	129129-77220	ARMATURE ASSY	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, STARTER	1							
17	3	129129-77400	SHAFT	1							
18	3	129129-77410	SPRING, COIL	1							
19	3	129129-77420	PINION	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							
34	2	129129-77380	CAP	1							
35	1	26116-120202	BOLT, M12X 20 PLATED	2							
36	1	124550-77020	COVER, TERMINAL	1							

Fig.16. GENERATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129795-01900	STUD	1							
2	1	119626-77210	ALTERNATOR, 12V-55A	1							
3	2	X9490561001	NUT	1							
4	2	129052-77380	ROTOR ASSY	1							
5	3	123501-79240	BEARING, BALL	1							
6	3	119620-79250	COVER, BEARING	1							
7	2	129052-77422	FRAME ASSY	1							
8	3	119620-79200	BALL BEARING	1							
9	3	119620-79210	PLATE	1							
10	3	119620-79220	SCREW	4							
11	3	119620-79230	BOLT, STUD	2							
12	2	128401-77440	FRAME	1							
13	2	119620-77461	PULLEY	1							
14	2	119620-77471	NUT	1							
15	2	129052-79260	HOLDER	1							
16	2	129052-79270	HOLDER, BRUSH	1							
17	2	119620-79290	SCREW	6							
18	2	119620-79300	SCREW	1							
19	2	119620-79310	BOLT	3							
20	2	119620-79320	SCREW W/WASHER	2							
21	2	119620-79330	BOLT	2							
22	2	119620-79340	INSULATION BUSH	1							
23	2	119620-79350	NUT	2							
24	2	129423-77710	REGULATOR ASSY	1							
25	2	119626-79410	COVER	1							
25-1	2	119626-77450	COVER, END, RR	1							N
(A=FROM 1ST)											
26	2	119620-77490	COLLAR	1							
27	1	26306-100002	NUT, M10	1							
28	1	128300-77920	TIMER	1							
29	1	129211-77920	TIMER	1							
30	1	119802-77200	RELAY, SAFETY	1							
31	1	129051-77330	ADJUSTER	1							
32	1	129972-77341	BOLT, ADJUSTER L=50	1							
33	1	129657-77340	SPACER	1							
34	1	119650-77910	RELAY ASSY, GLOW	1							
37	1	119643-66900	DIODE	1							

Fig.17. GASKET SET



Remarks
(1) OPTIONAL PARTS.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729150-92850	GASKET SET	1							1
2	2	129001-01340	GASKET, HEAD	1							
3	2	121850-51960	O-RING	1							
4	2	124460-11340	SEAL, VALVE STEM	3							
5	2	119802-11870	PROTECTOR, NOZZLE	3							
6	2	119625-11880	SEAT, NOZZLE	3							
7	2	129004-11310	GASKET, BONNET	1							
8	2	129150-77511	GASKET	1							
9	2	129150-13110	GASKET	1							
10	2	129004-13200	GASKET, SILENCER	1							
11	2	121400-11340	SEAL, VALVE STEM	3							
12	2	129150-35042	GASKET	1							
13	2	129486-42021	GASKET, WATER PUMP	1							
14	2	129795-49551	GASKET	1							
15	2	129150-49811	GASKET, THERMOSTAT	1							
16	2	124395-49840	GASKET	1							
17	2	22190-080002	WASHER, SEAL 6	2							
18	2	124465-44950	GASKET, 16	1							
19	2	24311-000120	O-RING, 1AP12.0	3							
20	2	24311-000320	O-RING, 1AP32.0	3							
21	2	24341-000240	O-RING, 1AS24.0	1							
22	2	129486-42140	O-RING, G30	1							
23	2	129001-12110	GASKET, MANIFOLD	1							
24	2	129150-35111	GASKET	1							
25	2	22190-220002	WASHER, SEAL 22	1							
26	2	119609-32040	O-RING, P16	4							
27	2	22190-100002	WASHER, SEAL 10	2							
28	2	23414-080000	GASKET, 8X1.0	1							
29	2	124240-01883	GASKET	1							
30	2	129150-49360	GASKET	1							
31	2	24321-000850	O-RING, 1AG85.0	1							
32	2	24311-240100	O-RING, 1AP10A	1							
33	2	171353-26081	GASKET	1							
34	1	129400-92430	HONE	1							1
35	1	977770-1207F	GASKET, LIQUID	1							1

Parts No. Index

Parts No.	Fig. No.	Ref. No.
105025-59580	14	15
105312-59510	14	12
105425-01690	3	3
114250-39450	9	15
114250-53080	13	5
114250-53120	13	10
114250-53130	13	11
114250-53140	13	12
114250-53210	13	13
114250-53400	13	14
119131-18320	6	4
119225-52102	14	4
119233-77932	12	95
119593-59581	13	29
119609-32040	2	17
	17	26
119620-77461	16	13
119620-77471	16	14
119620-77490	16	26
119620-79200	16	8
119620-79210	16	9
119620-79220	16	10
119620-79230	16	11
119620-79250	16	6
119620-79290	16	17
119620-79300	16	18
119620-79310	16	19
119620-79320	16	20
119620-79330	16	21
119620-79340	16	22
119620-79350	16	23
119625-11880	4	32
	17	6
119626-77210	16	2
119626-77450	16	25
119626-79410	16	25
119643-66900	16	37
119650-77910	16	34
119660-61901	12	58
119802-01561	2	13
119802-03110	4	43
119802-03121	4	44
119802-03130	4	45
119802-03141	4	46
119802-11260	4	6
119802-11270	4	7
119802-11280	4	8
119802-11870	4	55
	17	5
119802-21202	8	5

Parts No.	Fig. No.	Ref. No.
119802-25051	7	10
119802-25071	7	14
119802-25101	7	11
119802-25901	7	17
119802-32070	2	8
119802-32100	2	7
119802-32111	2	18
119802-32120	2	19
119802-32130	2	20
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121250-44901	10	30
121267-44741	10	21
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121520-34810	9	2
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121850-21680	8	11
121850-42410	10	8
121850-51960	2	21
	17	3
123501-79240	16	5
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129001-01340	1	33
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129001-02931	1	25
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129001-32330	2	11
129001-91841	2	22
	3	9
129001-91910	3	10
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129004-11350	4	40
129004-11650	4	10
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129004-13200	6	7
	17	10
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129100-23910	8	28
129100-35140	9	10
129100-42051	10	3
129100-42121	10	4
129100-55690	14	7
129120-77502	5	8
129126-01550	3	1
129126-01700	3	6
129129-01540	3	2
129129-14580	7	3
129129-35010	9	5
129129-35080	9	6
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