

0CW10-M72100EN

P R E F A C E

1. This parts catalog is the 1st edition of 4TNV84T-ZXKVA for VALPADANA.

Pub.No. : 0CW10-G72100

Published : May, 2011

2. Model name

Engine model	Vehicle	Vehicle made by
4TNV84T-ZXKVA	TRACTOR	VALPADANA

Directions for the Parts Catalog.

1. The parts stipulated in this Parts Catalog are not necessarily standard equipped parts.
2. Parts may change without prior notice.
3. The following is an example of the Parts Catalog format.

OCF10-G21601 29. FUEL INJECTION PUMP(W/BOOST)										
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 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 Mark

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

Symbol	Interchangeability	Contents note
N	Old $\xrightarrow{\text{Yes}}$ New 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 Mark

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

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

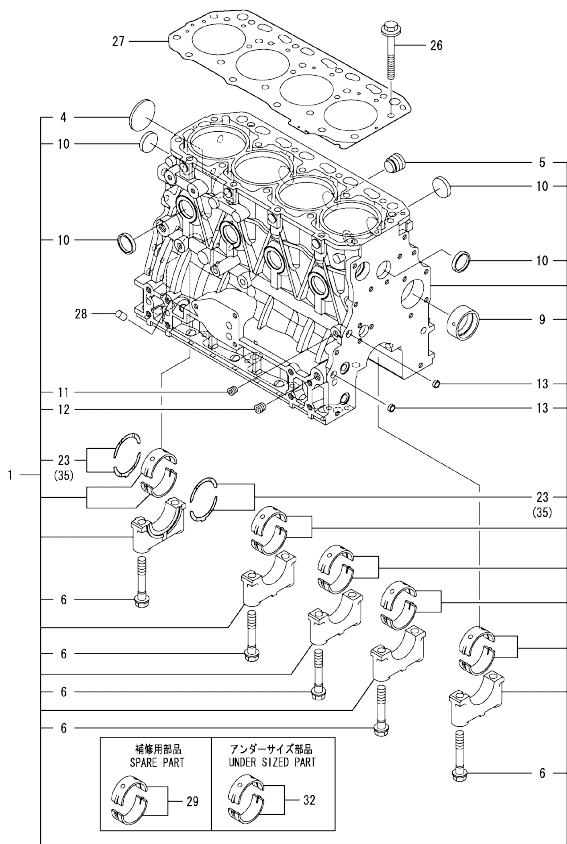
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0CW10-M72100

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4TNV84T-ZXKVA	
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4.	CYLINDER HEAD & BONNET
5.	SUCTION MANIFOLD
6.	EXHAUST MANIFOLD
7.	CAMSHAFT & DRIVING GEAR
8.	TURBINE
9.	CRANKSHAFT & PISTON
10.	BALANCER
11.	LUB. OIL SYSTEM
12.	LUB. OIL LINE
13.	COOLING WATER SYSTEM
14.	FUEL INJECTION PUMP
15.	GOVERNOR
16.	FUEL INJECTION VALVE
17.	FUEL LINE
18.	STARTING MOTOR
19.	ELECTRONIC CONTROL UNIT (ECU)
20.	GASKET SET

Fig. No.	Fig. Name
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Fig.1. CYLINDER BLOCK

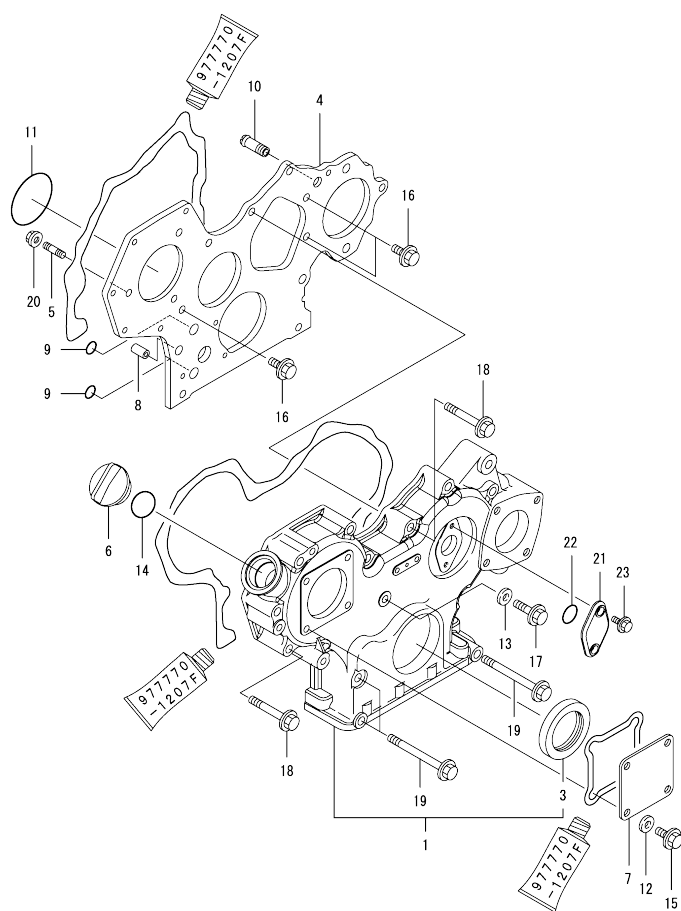


Remarks
(1)Spare part.
(2)Under-sized(U.S.=0.25)part.
(3)Over-sized(O.S.=0.25)part.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729508-01570	BLOCK ASSY, CYLINDER	1							
4	2	129001-01250	PLUG, 50	1							
5	2	171051-01921	PLUG, NPTF1	1							
6	2	129150-02020	BOLT, METAL CAP	10							
9	2	129795-02412	BUSH, CAMSHAFT	1							
10	2	27241-300000	PLUG 30	8							
11	2	124060-01050	PLUG, PT1/8	1							
12	2	124160-01910	PLUG, PT1/4	2							
13	2	27241-120000	PLUG, 12	2							
23	2	129150-02931	BEARING, THRUST	2							
26	1	129150-01200	BOLT, HEAD	18							
27	1	129508-01330	GASKET, HEAD	1							
28	1	119309-01810	PLUG	1							
29	1	129001-02931	BEARING, MAIN	5							1
32	1	129150-02871	BEARING, 0.25 US	5							2
35	1	129150-02941	BEARING, THRUST 0.25	1							3

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Fig.2. GEAR HOUSING



0CW10-M72100 Fig.2

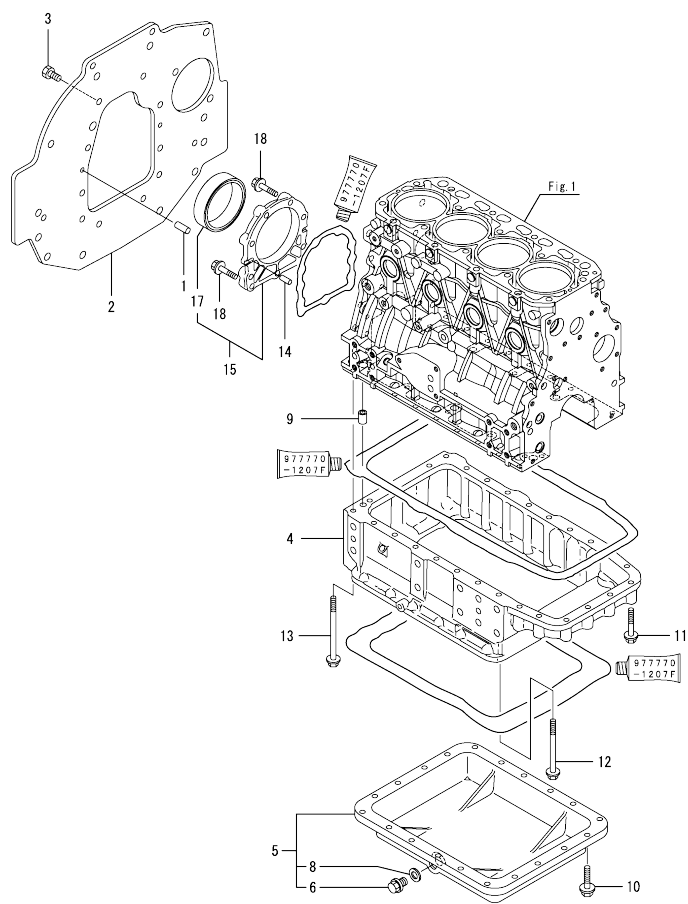
(A)=4TNV84T-ZXKVA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729604-01500	CASE ASSY, GEAR	1							
3	2	119934-01800	SEAL, OIL	1							
4	1	129009-01540	FLANGE, GEAR CASE	1							
5	1	119802-01561	STUD, M8X25	3							
6	1	124160-01751	COVER, FILLER	1							
7	1	124240-01871	COVER	1							
8	1	129795-01950	PIPE, KNOCK L=18	2							
9	1	119609-32040	O-RING, P16	2							
10	1	129122-44480	JOINT	1							
11	1	121850-51960	O-RING	1							
12	1	22190-080002	WASHER, SEAL 6	4							
13	1	22190-080002	WASHER, SEAL 6	1							
14	1	24311-000320	O-RING, 1AP32.0	1							
15	1	26106-080162	BOLT, M8X 16 PLATED	4							
16	1	26106-080162	BOLT, M8X 16 PLATED	3							
17	1	26106-080302	BOLT, M8X 30 PLATED	1							
18	1	26106-080552	BOLT, M8X 55 PLATED	11							
19	1	26106-080852	BOLT, M8X 85 PLATED	3							
20	1	26306-080002	NUT, M8	3							
21	1	121023-01551	COVER	1							
22	1	24341-000240	O-RING, 1AS24.0	1							
23	1	26106-060162	BOLT, M6X 16 PLATED	2							

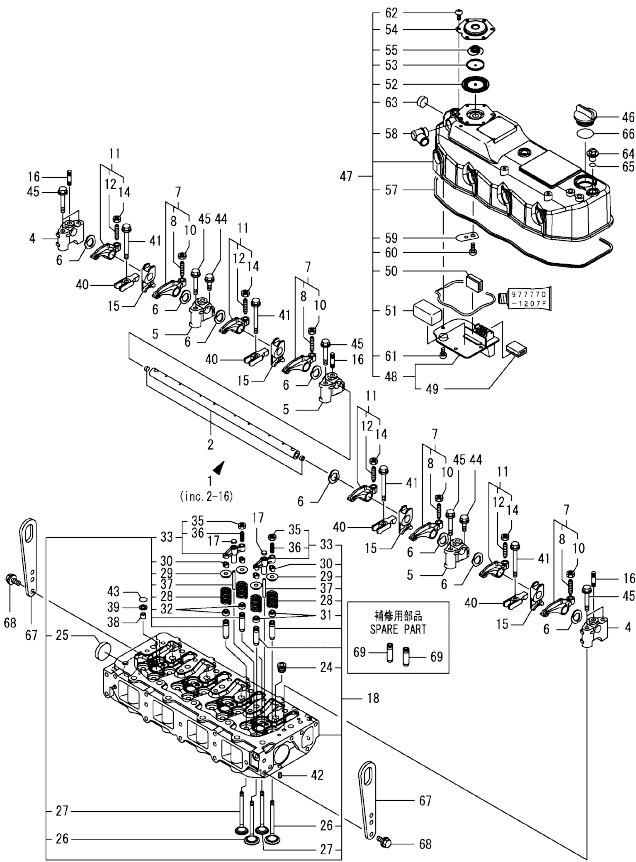
0CW10-M72100 4TNV84T-ZXKVA

Fig.3. MOUNTING FLANGE & OIL SUMP



										0CW10-M72100		Fig.3			
										(A)=4TNV84T-ZXKVA		(D)=			
										(B)=		(E)=			
										(C)=		(F)=			
										Q'ty		I		R	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)						
1	1	129100-01580	PIN, M8X16	2											
2	1	129558-01610	FLANGE, MOUNTING	1											
3	1	26206-100202	BOLT, M10X 20 PLATED	10											
4	1	129550-01702	SUMP, OIL	1											
5	1	129657-01730	COVER ASSY, OIL SUMP	1											
6	2	105425-01690	PLUG, 16	1											
8	2	22190-160002	WASHER, SEAL 16	1											
9	1	129555-01750	PIPE, KNOCK 14X18	1											
10	1	26106-080252	BOLT, M8X 25 PLATED	20											
11	1	26106-080502	BOLT, M8X 50 PLATED	8											
12	1	26106-081002	BOLT, M8X100 PLATED	14											
13	1	26106-081202	BOLT, M8X120 PLATED	4											
14	1	129100-01580	PIN, M8X16	2											
15	1	129100-01640	CASE ASSY, OIL SEAL	1											
17	2	129795-01780	SEAL, OIL	1											
18	1	129486-01670	BOLT, M8X30	9											

Fig.4. CYLINDER HEAD & BONNET



Remarks
(1)Spare part.

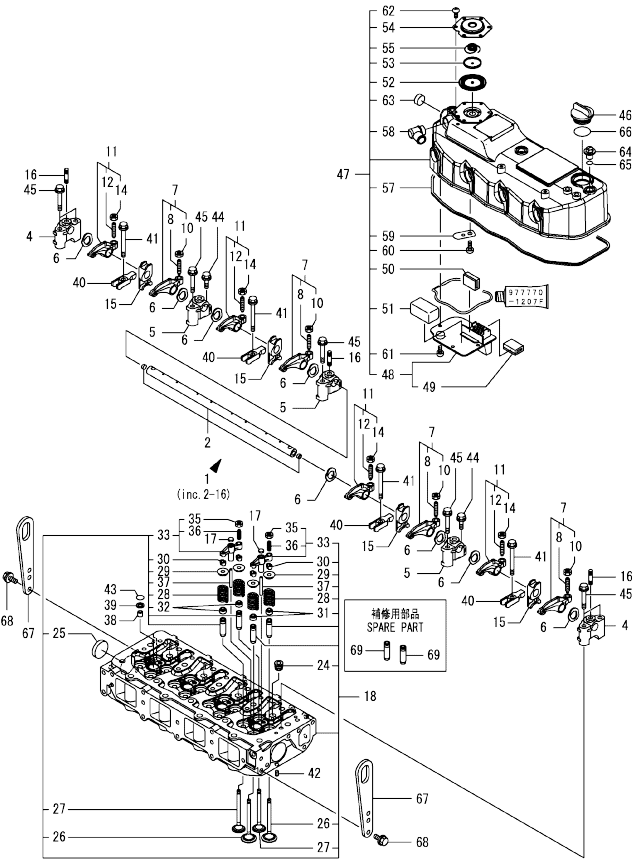
(A)=4TNV84T-ZXKVA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129508-11241	SHAFT ASSY, ROCKER	1							
2	2	129508-11250	SHAFT, ROCKER ARM	1							
4	2	129508-11260	SUPPORT, ROCKER ARM	2							
5	2	129508-11270	SUPPORT, ROCKER ARM	3							
6	2	129508-11280	WASHER	8							
7	2	129508-11650	ARM, ROCKER	4							
8	3	129150-11230	SCREW, VALVE ADJUST	4							
10	3	129150-11750	NUT, M8	4							
11	2	129508-11660	ARM, ROCKER	4							
12	3	129150-11230	SCREW, VALVE ADJUST	4							
14	3	129150-11750	NUT, M8	4							
15	2	129508-11920	RETAINER	4							
16	2	26226-080352	STUD, M8X 35	3							
17	1	123907-11550	SEAT, VALVE BRIDGE	8							
18	1	129509-11700	HEAD ASSY, CYLINDER	1							
24	2	23876-020000	PLUG, R02	4							
25	2	27241-400000	PLUG, 40	2							
26	2	129508-11100	VALVE, INTAKE	8							
27	2	129508-11110	VALVE, EXHAUST	8							
28	2	129508-11130	SPRING, VALVE	16							
29	2	129508-11180	RETAINER, SPRING	16							
30	2	119717-11190	COTTER	32							
31	2	119717-11340	SEAL, VALVE STEM	8							
32	2	119717-11350	SEAL, VALVE STEM	8							
33	2	129672-11510	BRIDGE ASSY, VALVE	8							
35	3	129150-11750	NUT, M8	8							
36	3	123907-11830	ADJUSTER	8							
37	2	129508-11820	GUIDE	8							
38	1	119802-11870	PROTECTOR, NOZZLE	4							
39	1	119625-11880	SEAT, NOZZLE	4							
40	1	129508-11900	RETAINER, NOZZLE	4							
41	1	129907-11950	BOLT, M8X75	4							
42	1	22351-060012	PIN, SPRING 6.0X12	2							
43	1	24311-000120	O-RING, 1AP12.0	4							
44	1	26106-080252	BOLT, M8X 25 PLATED	3							
45	1	26106-080502	BOLT, M8X 50 PLATED	7							
46	1	124160-01751	COVER, FILLER	1							
47	1	129558-11350	BONNET ASSY, HEAD	1							
48	2	129508-03010	PLATE	1							
49	3	119802-03070	BAFFLE, BREATHER	1							
50	2	129150-03070	BAFFLE, BREATHER	1							
51	2	129907-03070	BAFFLE, BREATHER	1							
52	2	123907-03100	DIAPHRAGM	1							
53	2	123907-03110	PLATE	1							
54	2	123907-03120	PLATE, BREATHER	1							
55	2	123907-03140	SPRING, DIAPHRAGM	1							
57	2	129508-11310	GASKET, BONNET	1							
58	2	119100-11330	ELBOW	1							
59	2	129009-11340	SPRING	1							
60	2	22857-500100	SCREW, 5X10	1							
61	2	22857-500100	SCREW, 5X10	4							

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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Fig.4. CYLINDER HEAD & BONNET



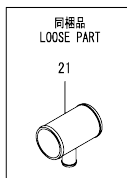
Remarks
(1)Spare part.

(A)=4TNV84T-ZXKVA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
62	2	22857-500100	SCREW, 5X10	6							
63	2	27241-180000	PLUG, 18	1							
64	1	124160-11360	KNOB	3							
65	1	24311-000120	O-RING, 1AP12.0	3							
66	1	24311-000320	O-RING, 1AP32.0	1							
67	1	129900-07900	LIFTER	2							
68	1	26106-080162	BOLT, M8X 16 PLATED	4							
69	1	119717-11800	GUIDE, VALVE	16							1

Fig.5. SUCTION MANIFOLD

[illegible]

N:Old ^{Yes}/_{No} New. Q:Old ^{No}/_{Yes} New. R:Old ^{Yes}/_{Yes} New. S:Old ^{No}/_{No} New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

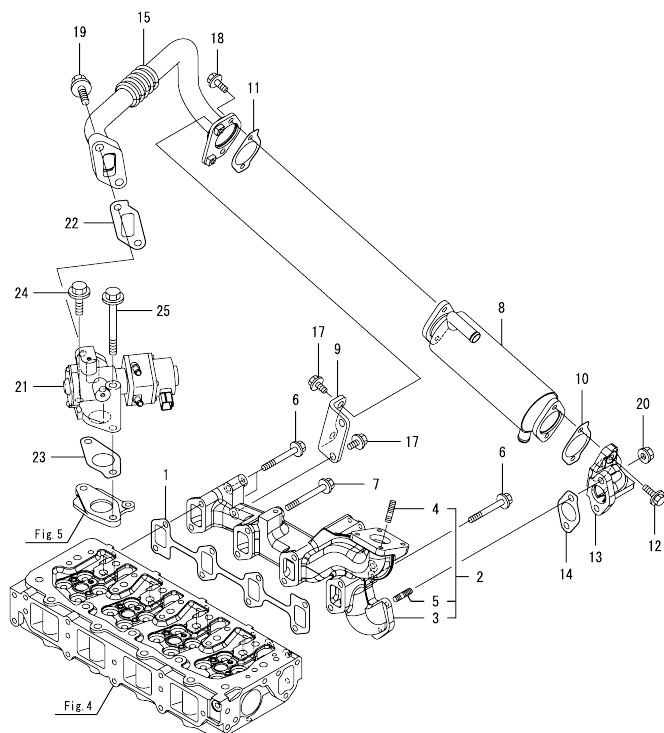
Fig.6. EXHAUST MANIFOLD

(D)=
(E)=

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

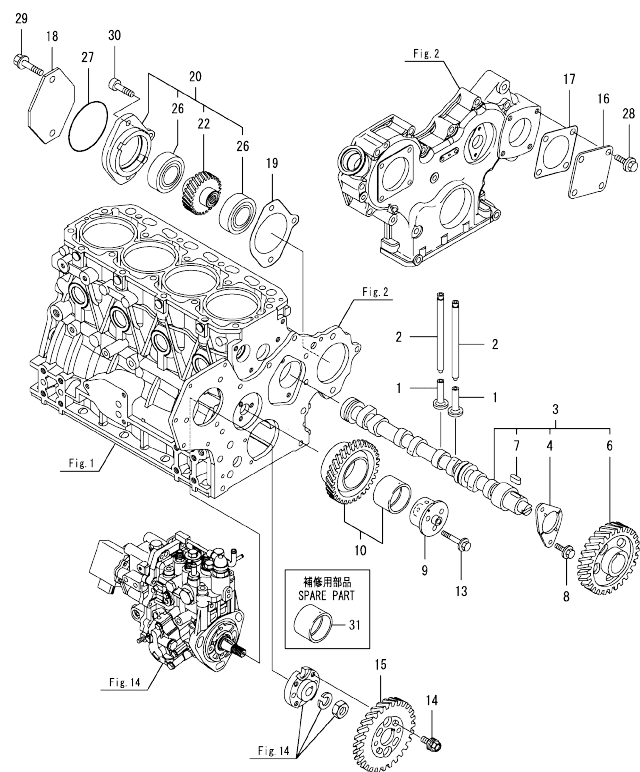
[illegible]

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ 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.7. CAMSHAFT & DRIVING GEAR



0CW10-M72100 Fig.7

(A)=4TNV84T-ZXKVA
(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	129508-14580	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	119803-25050	SHAFT, IDLE	1							
10	1	119802-25101	GEAR ASSY, IDLE	1							
13	1	26106-080402	BOLT, M8X 40 PLATED	3							
14	1	129150-25301	BOLT	4							
15	1	119802-25901	GEAR, PUMP	1							
16	1	124240-01871	COVER	1							
17	1	124240-01883	GASKET	1							
18	1	121023-26071	COVER	1							
19	1	171353-26081	GASKET	1							
20	1	129051-26200	DRIVE ASSY, PUMP	1							
22	2	129051-26210	GEAR ASSY, PUMP	1							
26	2	24105-060064	BEARING, BALL 6006Z	2							
27	1	24321-000850	O-RING, 1AG85.0	1							
28	1	26106-080162	BOLT, M8X 16 PLATED	4							
29	1	26106-100452	BOLT, M10X 45 PLATED	2							
30	1	26450-080282	BOLT, M8X 28	1							
31	1	119802-25071	BUSH, IDLE GEAR	1							1

Remarks
(1)Spare part.

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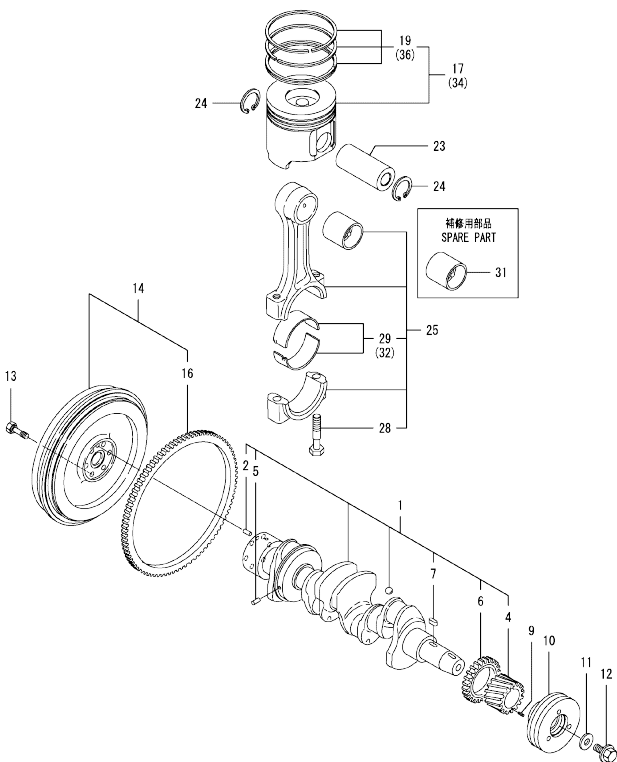
Fig.8. TURBINE

[illegible]

N:Old ^{Yes}/_{No} New. Q:Old ^{No}/_{Yes} New. R:Old ^{Yes}/_{Yes} New. S:Old ^{No}/_{No} New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

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Fig.9. CRANKSHAFT & PISTON



Remarks
(1)Spare part.
(2)Under-sized(U.S.=0.25)part.
(3)Over-sized(O.S.=0.25)part.

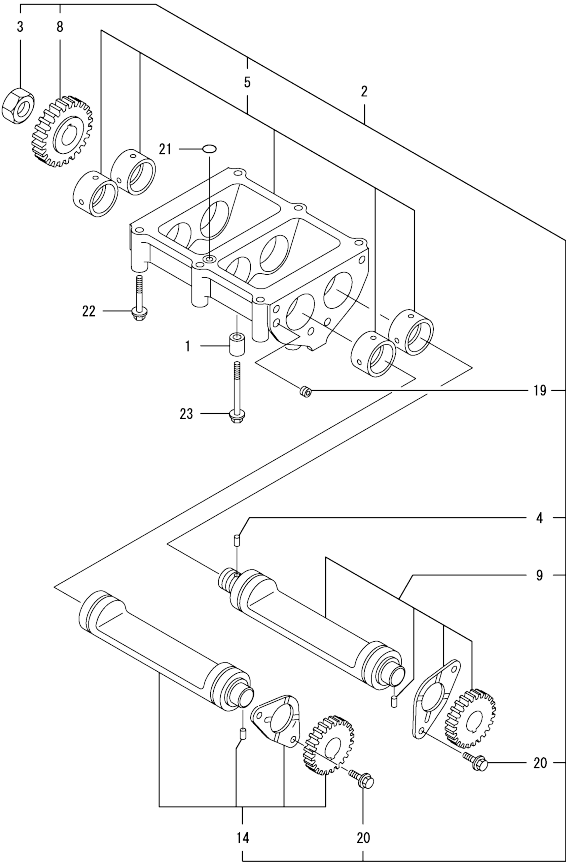
0CW10-M72100 Fig.9

(A)=4TNV84T-ZXKVA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129558-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	119803-21200	GEAR, CRANKSHAFT	1							
5	2	121850-21290	PIN	1							
6	2	129400-28121	GEAR, BALANCER	1							
7	2	22512-070140	KEY, 7X 14	1							
9	1	22351-030010	PIN, SPRING 3.0X10	1							
10	1	129558-21660	V-PULLEY, CRANKSHAFT	1							
11	1	129795-21661	WASHER	1							
12	1	121850-21680	BOLT	1							
13	1	121111-21501	BOLT, FLYWHEEL	6							
14	1	129457-21560	FLYWHEEL ASSY	1							
16	2	119865-21600	GEAR, RING	1							
17	1	129509-22080	PISTON ASSY	4							
19	2	129509-22500	RING SET, PISTON	4							
23	1	129202-22300	PIN, PISTON D26 L70	4							
24	1	22252-000260	RING, 26	8							
25	1	729402-23100	ROD ASSY, CONNECTING	4							
28	2	121550-23200	BOLT, CONNECTING ROD	8							
29	2	129150-23601	BEARING, CRANK PIN	4							
31	1	129100-23910	BEARING, PISTON PIN	4							1
32	1	129150-23611	BEARING, 0.25 US	4							2
34	1	129509-22900	PISTON W/RING 0.25OS	1							3
36	2	129509-22950	RING SET, 0.25 OS	1							3

Fig.10. BALANCER

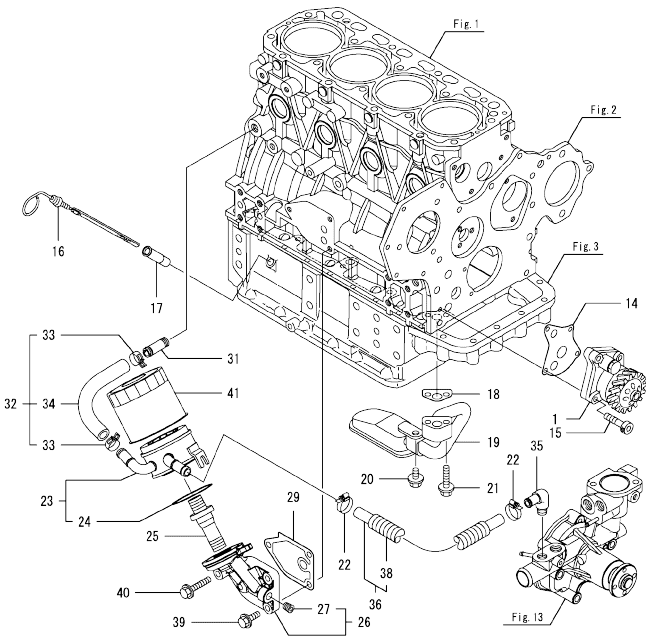


(A)=4TNV84T-ZXKVA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129795-01960	PIPE, KNOCK	2							
2	1	129457-28000	BALANCER ASSY	1							
3	2	128170-14150	NUT	1							
4	2	121850-21290	PIN	1							
5	2	129457-28011	CASE ASSY, BALANCER	1							
8	2	129400-28150	GEAR, BALANCER	1							
9	2	729490-28510	SHAFT ASSY, BALANCER	1							
14	2	729490-28520	SHAFT ASSY, BALANCER	1							
19	2	23876-005000	PLUG, R005	1							
20	2	26106-080142	BOLT, M8X 14 PLATED	4							
21	1	24311-000140	O-RING, 1AP14.0	1							
22	1	26106-080602	BOLT, M8X 60 PLATED	4							
23	1	26106-080802	BOLT, M8X 80 PLATED	2							

Fig.11. LUB. OIL SYSTEM



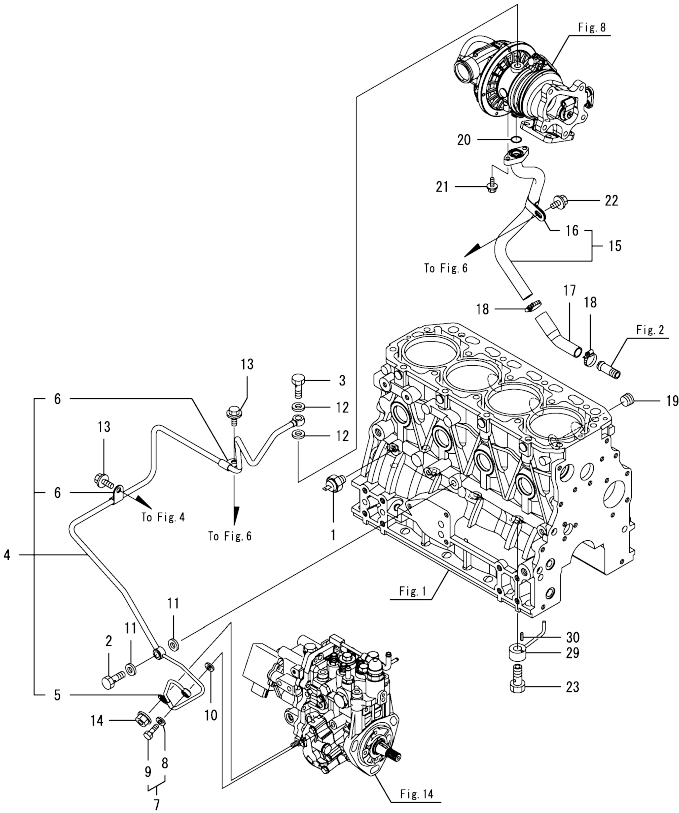
Remarks
(1)Spare part.

(A)=4TNV84T-ZXKVA
(B)=
(C)=

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

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	129150-32020	GASKET, PUMP	1							
15	1	26450-060252	BOLT, M6X 25	4							
16	1	129457-34800	DIPSTICK, OIL	1							
17	1	121520-34810	GUIDE, DIPSTICK	1							
18	1	129150-35042	GASKET	1							
19	1	129657-35090	PIPE ASSY, OIL INLET	1							
20	1	26106-080122	BOLT, M8X 12 PLATED	1							
21	1	26106-080352	BOLT, M8X 35 PLATED	2							
22	1	129960-03990	CLIP, HOSE 22	2							
23	1	129558-33010	COOLER ASSY, OIL	1							
24	2	129508-33050	O-RING	1							
25	1	123910-33100	BOLT	1							
26	1	129558-35000	BRACKET ASSY	1							
27	2	124160-01910	PLUG, PT1/4	1							
29	1	129150-35111	GASKET	1							
31	1	129122-44480	JOINT	1							
32	1	129558-49150	PIPE, WATER	1							
33	2	171008-03990	CLIP, HOSE 18.5	2							
34	2	129558-49160	PIPE, WATER	1							
35	1	129103-49301	ELBOW, PT1/4	1							
36	1	123910-49600	PIPE, WATER	1							
38	2	123910-49610	TUBE, CORRUGATED	1							
39	1	26106-080252	BOLT, M8X 25 PLATED	2							
40	1	26106-080452	BOLT, M8X 45 PLATED	1							
41	1	129150-35153	FILTER 80X80L	1							1

Fig.12. LUB. OIL LINE

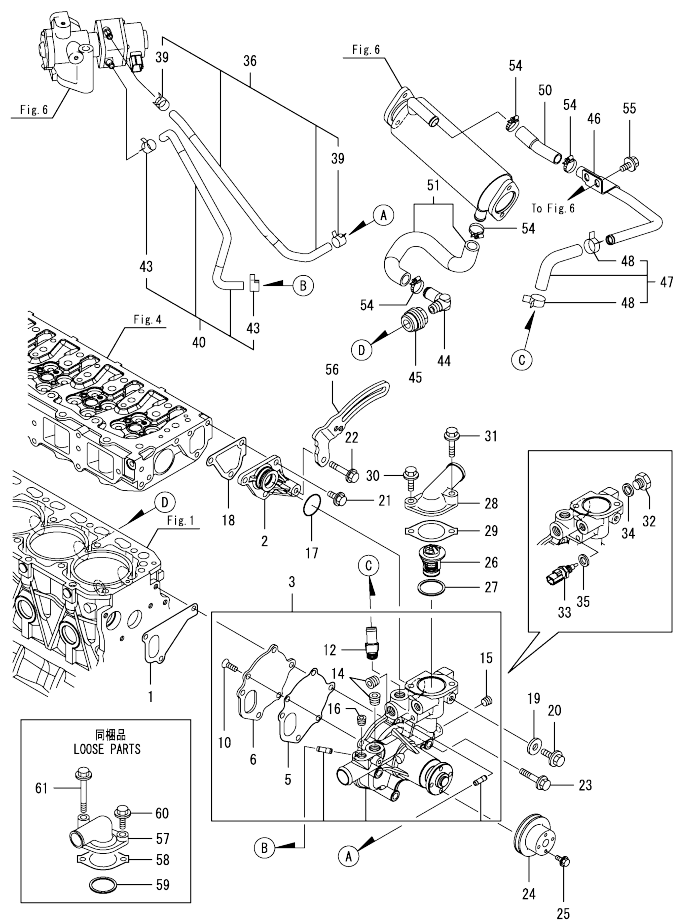


(A)=4TNV84T-ZXKVA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119761-39450	SWITCH, 0.5KG	1							
2	1	124160-39140	BOLT, PIPE JOINT M10	1							
3	1	121252-39150	BOLT, JOINT M10X1.5	1							
4	1	129558-39460	PIPE ASSY, OIL	1							
5	2	119802-39500	RETAINER, PIPE	1							
6	2	124223-39900	RETAINER	2							
7	1	129005-59830	BOLT ASSY, JOINT M8	1							
8	2	22190-080002	WASHER, SEAL 6	1							
9	2	23857-030000	BOLT, JOINT 3	1							
10	1	22190-080002	WASHER, SEAL 6	1							
11	1	22190-100002	WASHER, SEAL 10	2							
12	1	23414-100000	GASKET, 10X1.0	2							
13	1	26106-080122	BOLT, M8X 12 PLATED	2							
14	1	26366-060002	NUT, M6	1							
15	1	129558-39670	PIPE, OIL	1							
16	2	123910-39850	RETAINER	1							
17	1	129558-39800	HOSE	1							
18	1	23000-025000	CLAMP, 25	2							
19	1	23876-030000	PLUG, R03	1							
20	1	24316-000160	O-RING, 4DP16.0	1							
21	1	26106-060162	BOLT, M6X 16 PLATED	2							
22	1	26106-080122	BOLT, M8X 12 PLATED	1							
23	1	129792-39410	VALVE ASSY, CHECK	4							
29	1	129553-39650	NOZZLE	4							
30	1	22351-030010	PIN, SPRING 3.0X10	4							

Fig.13. COOLING WATER SYSTEM

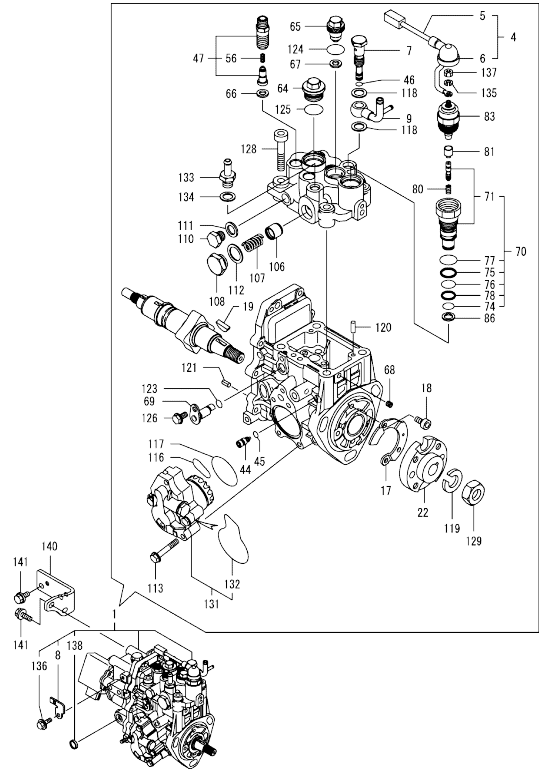


(A)=4TNV84T-ZXKVA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129486-42021	GASKET, WATER PUMP	1							
2	1	129004-42040	JOINT	1							
3	1	129558-42050	PUMP ASSY, WATER	1							
5	2	129100-42051	GASKET, WATER PUMP	1							
6	2	129100-42121	PLATE	1							
10	2	121850-42410	SCREW	3							
12	2	129558-49310	JOINT	1							
14	2	129916-49740	PLUG, R03	2							
15	2	23876-010000	PLUG, R01	1							
16	2	23876-020000	PLUG, R02	1							
17	1	129486-42140	O-RING, G30	1							
18	1	124395-49840	GASKET	1							
19	1	23414-080000	GASKET, 8X1.0	1							
20	1	26106-080122	BOLT, M8X 12 PLATED	1							
21	1	26106-080162	BOLT, M8X 16 PLATED	3							
22	1	26106-080452	BOLT, M8X 45 PLATED	1							
23	1	26106-080602	BOLT, M8X 60 PLATED	3							
24	1	129155-42350	V-PULLEY	1							
25	1	26106-060122	BOLT, M6X 12 PLATED	4							
26	1	129457-49801	THERMOSTAT, 82	1							
27	1	129150-49811	GASKET, THERMOSTAT	1							
28	1	129470-49540	COVER, THERMOSTAT	1							
29	1	129795-49551	GASKET	1							
30	1	26106-080252	BOLT, M8X 25 PLATED	1							
31	1	26106-080352	BOLT, M8X 35 PLATED	1							
32	1	121450-42450	PLUG, M16	1							
33	1	129927-44900	SENSOR	1							
34	1	124465-44950	GASKET, 16	1							
35	1	22190-120002	WASHER, SEAL 12	1							
36	1	129558-49650	PIPE ASSY, WATER	1							
39	2	23080-012000	CLAMP, 12	2							
40	1	129558-49660	PIPE ASSY, WATER	1							
43	2	23080-012000	CLAMP, 12	2							
44	1	124070-13300	ELBOW, PT3/8	1							
45	1	129973-49110	JOINT	1							
46	1	129558-49670	HOSE ASSY, WATER	1							
47	1	129558-49690	HOSE ASSY, WATER	1							
48	2	171008-03990	CLIP, HOSE 18.5	2							
50	1	129558-49750	HOSE, WATER	1							
51	1	129558-49810	PIPE, WATER	1							
54	1	23000-022000	CLAMP, 22	4							
55	1	26106-080122	BOLT, M8X 12 PLATED	2							
56	1	129064-77330	ADJUSTER	1							
57	1	124101-49531	COVER, THERMOSTAT	1							
58	1	129795-49551	GASKET	1							
59	1	129150-49811	GASKET, THERMOSTAT	1							
60	1	26106-080252	BOLT, M8X 25 PLATED	1							
61	1	26106-080652	BOLT, M8X 65 PLATED	1							

Fig.14. FUEL INJECTION PUMP



Remarks
(1)Governor(Fig.15)is incorporated in this Fuel Injection Pump (Ref.1).
(1)Eco Pump
Make sure to update the engines ECU information when replacing the Eco Pump.
Failing to do so will result in engine malfunction.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729558-51300	PUMP ASSY, INJECTION	1							1
4	2	129927-51650	HARNESS ASSY, WIRE	1							
5	3	129927-51660	HARNESS	1							
6	3	129263-77941	CAP, RUBBER	1							
7	2	158601-51650	JOINT, OVER FLOW	1							
8	2	129927-51670	BRACKET	1							
9	2	158552-51670	JOINT, OVER FLOW	1							
17	2	129008-51900	COVER, PUMP	1							
18	2	129008-51920	BOLT, SOCKET M6X10	2							
19	2	119802-51090	FEATHER KEY, 4X16	1							
22	2	158552-51151	FLANGE	1							
44	2	158600-51270	STOPPER, TAPPET	1							
45	2	158563-51281	O-RING, 4D S6	1							
46	2	158563-51281	O-RING, 4D S6	1							
47	2	129008-51390	VALVE ASSY, DELIVERY	4							
56	3	158563-51330	SPRING, DELIVERY	4							
64	2	158601-51550	PLUG, M22	1							
65	2	119802-51560	PLUG, M14	1							
66	2	158552-51571	GASKET, PLUG	4							
67	2	158552-51571	GASKET, PLUG	1							
68	2	158557-51570	PLUG, RACK	1							
69	2	158552-51580	LIFTER, LINK	1							
70	2	129657-51590	TIMER ASSY	1							
71	3	129657-51600	TIMER ASSY	1							
74	3	158553-51670	O-RING	1							
75	3	119802-51680	RING, BACKUP	1							
76	3	119802-51690	O-RING	1							
77	3	24356-190200	O-RING, 4D19020	1							
78	3	24372-000150	RING, BACK UP T2P15	1							
80	2	119852-51630	SPRING, TIMER	1							
81	2	119852-51640	CAP, TIMER	1							
83	2	119852-51650	VALVE ASSY, SOLENOID	1							
86	2	158553-51680	GASKET, TIMER	1							
106	2	158601-51770	PISTON, ACCUMULATOR	1							
107	2	158552-51781	SPRING, ACCUMULATOR	1							
108	2	158601-51790	PLUG	1							
110	2	158553-51930	PLUG, M12	1							
111	2	22190-120002	WASHER, SEAL 12	1							
112	2	22190-180002	WASHER, SEAL 18	1							
113	2	158553-51770	BOLT	4							
116	2	158552-52311	O-RING	1							
117	2	158552-52400	O-RING, 4E S42	1							
118	2	22190-120002	WASHER, SEAL 12	2							
119	2	22217-140000	WASHER, SPRING 14	1							
120	2	22312-050140	PIN, PARALLEL M5X14	2							
121	2	22351-050010	PIN, SPRING 5.0X10	2							
123	2	24311-000070	O-RING, 1AP7.0	1							
124	2	24356-190180	O-RING, 4D19018	1							
125	2	24356-190200	O-RING, 4D19020	1							
126	2	26106-060102	BOLT, M6X 10 PLATED	1							
128	2	26450-080452	BOLT, M8X 45	4							

0CW10-M72100 4TNV84T-ZXKVA

Fig.14. FUEL INJECTION PUMP

0CW10-M72100 Fig.14

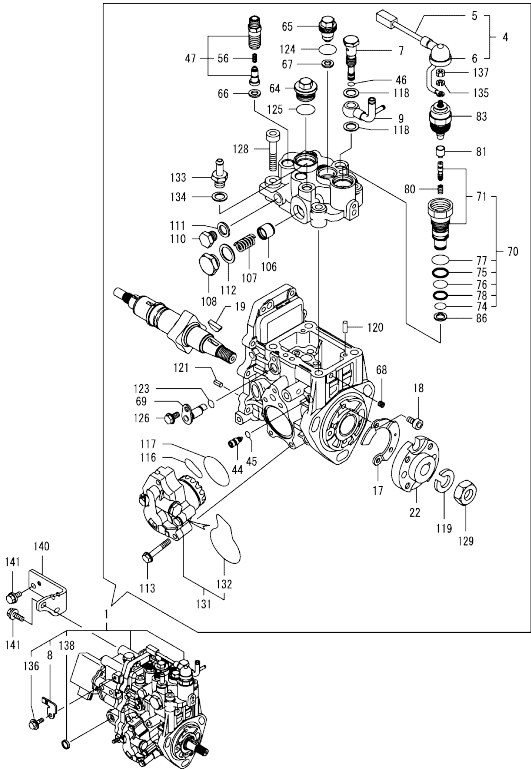
(A)=4TNV84T-ZXKVA
(B)=
(C)=

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

Q'ty

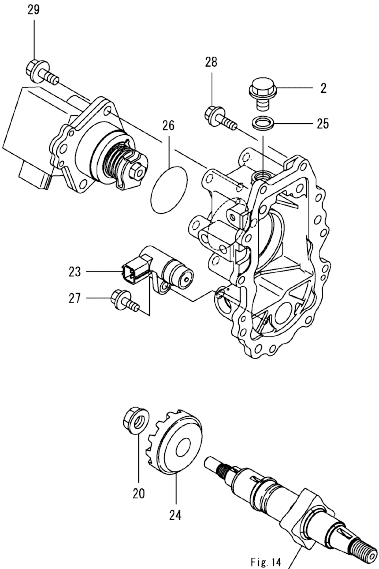
I R

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
129	2	26776-140002	NUT, LOCK M14	1							
131	2	158552-52100	PUMP ASSY, FUEL FEED	1							
132	3	158552-52500	O-RING	1							
133	2	119934-59910	JOINT, PIPE	1							
134	2	22190-120002	WASHER, SEAL 12	1							
135	2	22217-050000	WASHER, SPRING 5	1							
136	2	26106-060142	BOLT, M6X 14 PLATED	1							
137	2	26716-050002	NUT, M5	1							
138	2	27241-160000	PLUG, 16	1							
140	1	129263-51251	RETAINER, PUMP	1							
141	1	26106-080162	BOLT, M8X 16 PLATED	4							



Remarks
(1)Governor(Fig.15)is incorporated in this Fuel Injection Pump (Ref.1).
(1)Eco Pump
Make sure to update the engines ECU information when replacing the Eco Pump.
Failing to do so will result in engine malfunction.

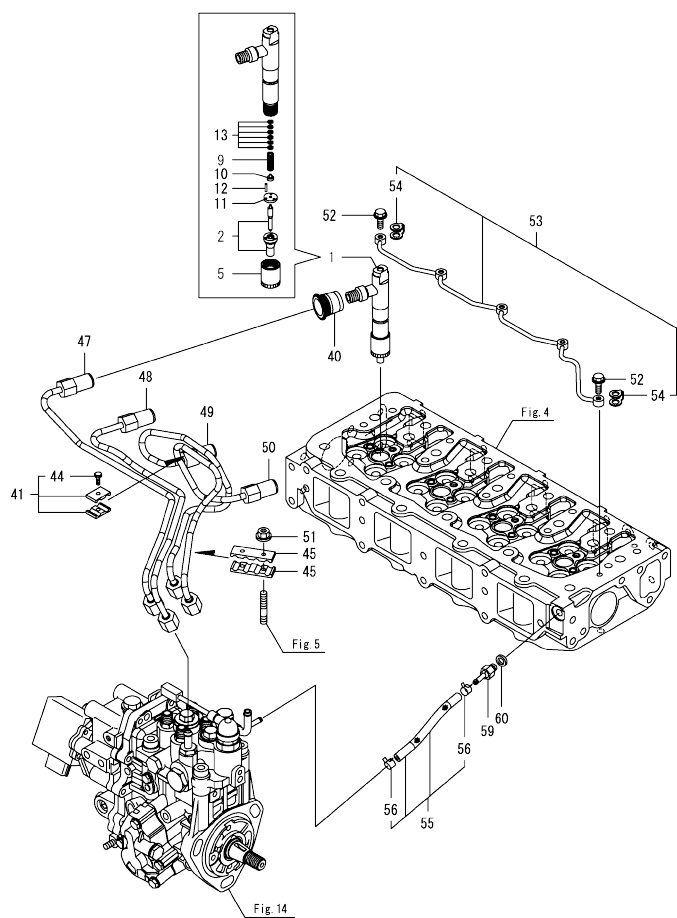
Fig.15. GOVERNOR



Remarks
*This figure(Governor)is incorporated
in the Fuel Injection Pump (Fig.14).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	158553-51930	PLUG, M12	1							
20	2	129008-61301	NUT	1							
23	2	158557-61720	SENSOR	1							
24	2	158553-61780	GEAR, SENSOR	1							
25	2	22190-120002	WASHER, SEAL 12	1							
26	2	24341-000480	O-RING, 1AS48.0	1							
27	2	26106-060162	BOLT, M6X 16 PLATED	1							
28	2	26106-060202	BOLT, M6X 20 PLATED	10							
29	2	26106-080252	BOLT, M8X 25 PLATED	3							

Fig.16. FUEL INJECTION VALVE

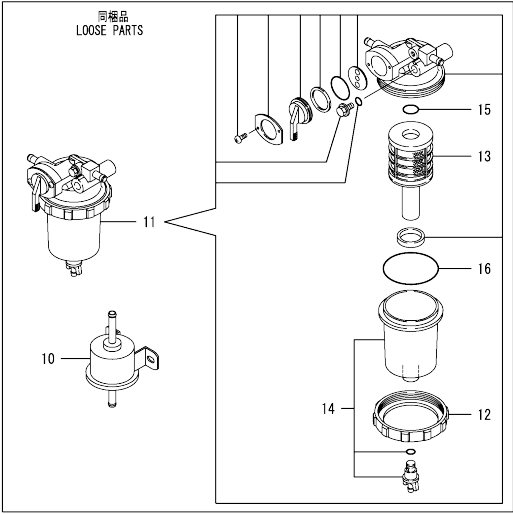
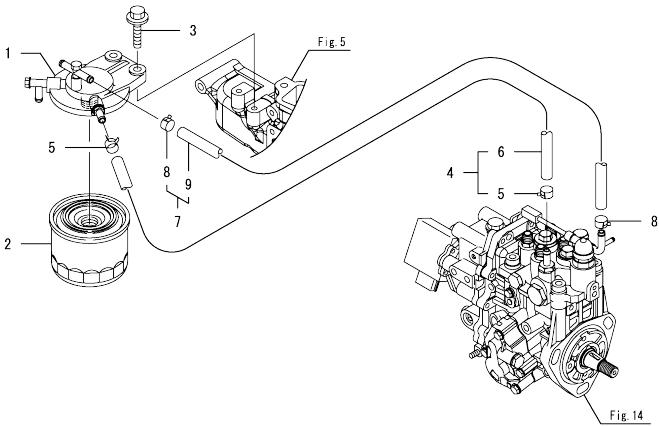


(A)=4TNV84T-ZXKVA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729530-53200	VALVE ASSY,INJECTION	4							
2	2	129530-53000	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	119803-53400	SHIM SET	4							
40	1	123907-11601	SEAL	4							
41	1	119305-59120	RETAINER, PIPE	1							
44	2	129150-59131	BOLT, M4X14	1							
45	1	123472-59120	RETAINER, PIPE	2							
47	1	129558-59810	PIPE ASSY, INJECTION	1							
48	1	129558-59820	PIPE ASSY, INJECTION	1							
49	1	129558-59831	PIPE ASSY, INJECTION	1							
50	1	129558-59841	PIPE ASSY, INJECTION	1							
51	1	26366-060002	NUT, M6	2							
52	1	123907-59540	BOLT, PIPE JOINT M6	5							
53	1	129508-59550	PIPE ASSY, RETURN	1							
54	2	123907-59550	GASKET	5							
55	1	129509-59550	PIPE ASSY, FUEL	1							
56	2	124722-59050	CLIP, HOSE 9	2							
59	1	123907-59560	JOINT	1							
60	1	22190-080002	WASHER, SEAL 6	1							

Fig.17. FUEL LINE

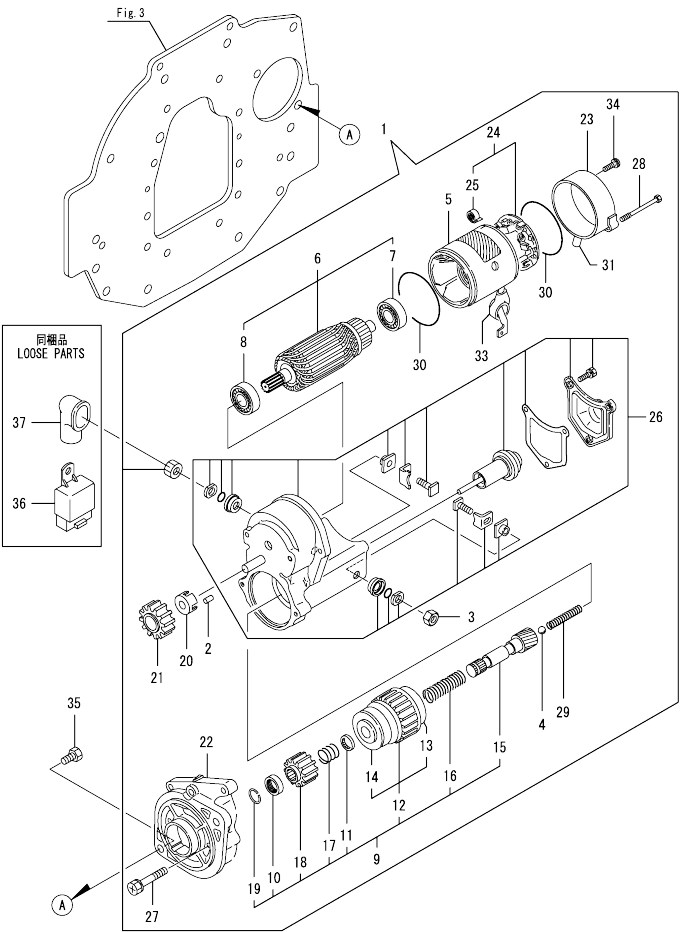


(A)=4TNV84T-ZXKVA
(B)=
(C)=

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

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, M8X 30 PLATED	2							
4	1	129210-59120	PIPE ASSY, FUEL	1							
5	2	124766-59050	CLIP, HOSE 12	2							
6	2	129211-59510	PIPE, FUEL L=325	1							
7	1	129210-59160	PIPE ASSY, FUEL	1							
8	2	124766-59050	CLIP, HOSE 12	2							
9	2	129612-59520	PIPE, FUEL	1							
10	1	119225-52102	PUMP ASSY, FUEL FEED	1							
11	1	119802-55700	SEPARATOR ASSY	1							
12	2	129100-55690	RING, RETAINING	1							
13	2	119802-55710	ELEMENT	1							
14	2	119802-55730	CUP ASSY	1							
15	2	24311-000160	O-RING, 1AP16.0	1							
16	2	24321-000650	O-RING, 1AG65.0	1							

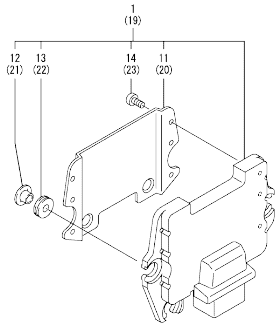
0CW10-M72100 4TNV84T-ZXKVA
Fig.18. STARTING MOTOR



										0CW10-M72100 Fig.18	
										(A)=4TNV84T-ZXKVA (D)=	
										(B)=	
										(C)=	
										Q'ty	
										(D) (E) (F)	
										I R	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129407-77010	STARTER, RA1.4	1							
2	2	X0283060061	ROLLER	5							
3	2	X9490561370	NUT	1							
4	2	X9491200240	BALL	1							
5	2	129407-77210	YOKE ASSY	1							
6	2	129407-77220	ARMATURE ASSY	1							
7	3	129129-77230	BEARING	1							
8	3	129129-77240	BEARING	1							
9	2	129407-77250	STARTER	1							
10	3	X0280210230	NUT	1							
11	3	X0283270140	RETAINER, SNAP	1							
12	3	129407-77390	CLUTCH ASSY	1							
13	4	129129-77440	BALL BEARING	1							
14	4	129129-77450	BALL BEARING	1							
15	3	129129-77400	SHAFT	1							
16	3	129129-77410	SPRING, COIL	1							
17	3	X9491703371	SPRING, COIL	1							
18	3	129129-77420	PINION, STARTER	1							
19	3	129129-77430	RING, SNAP	1							
20	2	129129-77260	RETAINER	1							
21	2	129129-77270	PINION	1							
22	2	129407-77280	HOUSING	1							
23	2	129407-77290	FRAME	1							
24	2	129407-77300	HOLDER ASSY	1							
25	3	X9491730461	SPRING	4							
26	2	129407-77310	SWITCH ASSY	1							
27	2	129129-77320	BOLT	2							
28	2	129407-77330	BOLT	2							
29	2	129129-77340	SPRING	1							
30	2	129129-77350	O-RING	2							
31	2	129129-77362	COVER	1							
33	2	129129-77380	CAP	1							
34	2	129129-77460	SCREW	2							
35	1	26116-120202	BOLT, M12X 20 PLATED	2							
36	1	198461-52950	RELAY, CA TYPE C	3							
37	1	124550-77030	COVER, TERMINAL	1							

0CW10-M72100 4TNV84T-ZXKVA

Fig.19. ELECTRONIC CONTROL UNIT (ECU)



Remarks
(1)Eco ECU
This part cannot be ordered.
Replace the part using a Service
ECU with the proper engine
information installed.
(2)Service ECU
If the proper information is not
installed, the engine will not
operate.
To install proper information,
go to an authorized Distributor.

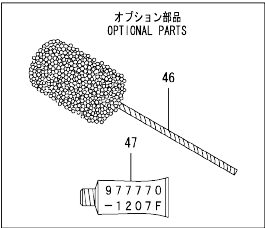
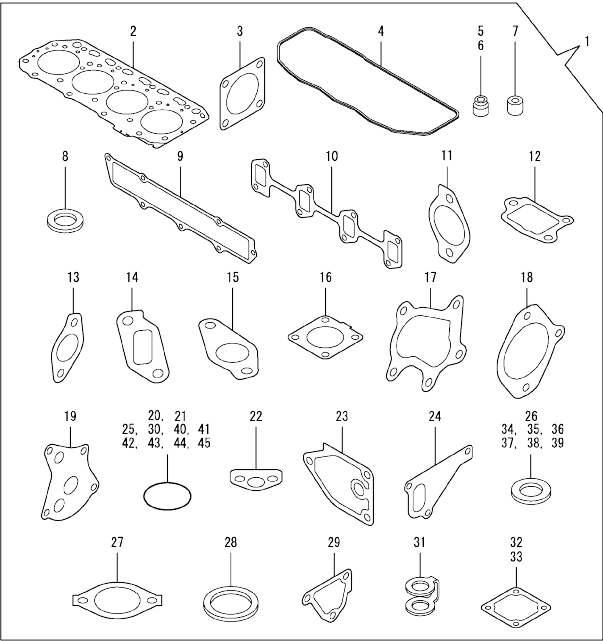
0CW10-M72100 Fig.19

(A)=4TNV84T-ZXKVA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129558-75020	CONTROLLER ASSY, EUC	1							1
11	2	129927-77600	SHIELD	1							
12	2	129927-77680	COLLAR	3							
13	2	119578-91351	ABSORBER	3							
14	2	22877-500080	SCREW, 5X 8	6							
19	1	129927-75900	CONTROLLER ASSY, EUC	1							2
20	2	129927-77600	SHIELD	1							
21	2	129927-77680	COLLAR	3							
22	2	119578-91351	ABSORBER	3							
23	2	22877-500080	SCREW, 5X 8	6							

Fig.20. GASKET SET



Remarks
(1)Optional parts.

(A)=4TNV84T-ZXKVA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129558-92600	GASKET SET	1							1
2	2	129508-01330	GASKET, HEAD	1							
3	2	124240-01883	GASKET	1							
4	2	129508-11310	GASKET, BONNET	1							
5	2	119717-11340	SEAL, VALVE STEM	8							
6	2	119717-11350	SEAL, VALVE STEM	8							
7	2	119802-11870	PROTECTOR, NOZZLE	4							
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10	2	129550-13110	GASKET	1							
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12	2	129509-13720	GASKET	1							
13	2	129927-13810	GASKET	1							
14	2	129927-13910	GASKET	1							
15	2	129927-13920	GASKET	1							
16	2	129508-18080	GASKET	1							
17	2	129508-18090	GASKET	1							
18	2	171353-26081	GASKET	1							
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20	2	119609-32040	O-RING, P16	2							
21	2	129508-33050	O-RING	1							
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23	2	129150-35111	GASKET	1							
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30	2	121850-51960	O-RING	1							
31	2	123907-59550	GASKET	5							
32	2	129100-77510	GASKET, AIR HEATER	1							
33	2	129150-77511	GASKET	1							
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39	2	23414-100000	GASKET, 10X1.0	2							
40	2	24311-000120	O-RING, 1AP12.0	7							
41	2	24311-000140	O-RING, 1AP14.0	1							
42	2	24311-000320	O-RING, 1AP32.0	2							
43	2	24316-000160	O-RING, 4DP16.0	1							
44	2	24321-000850	O-RING, 1AG85.0	1							
45	2	24341-000240	O-RING, 1AS24.0	1							
46	1	129400-92420	FLEX HORN	1							1
47	1	977770-1207F	GASKET,LIQUID	1							1

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