

0CD11-M10502EN

P R E F A C E

This parts catalog is the 3rd edition of 4TNV84T-ZXGYB for KOBELCO CONSTRUCTION MACHINERY CO., LTD..

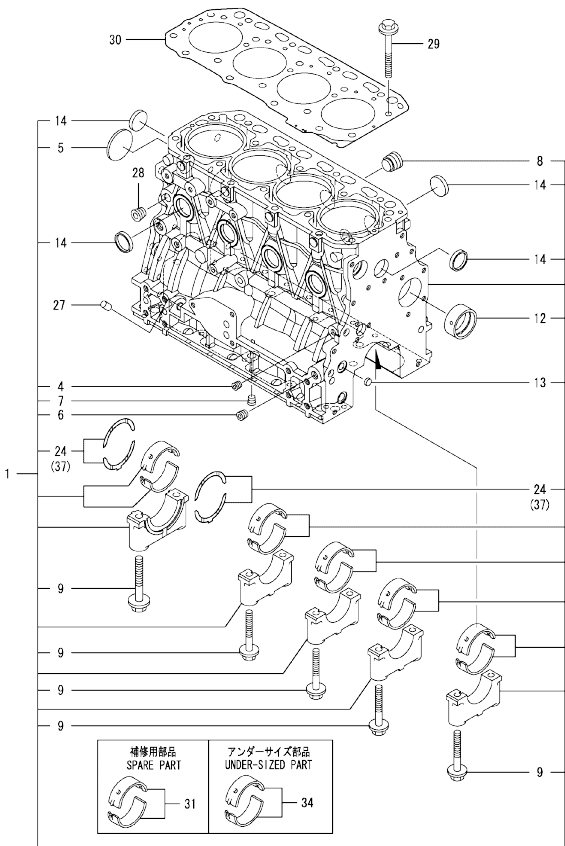
Published : November, 2015

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0CD11-M10502

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Fig.1. CYLINDER BLOCK



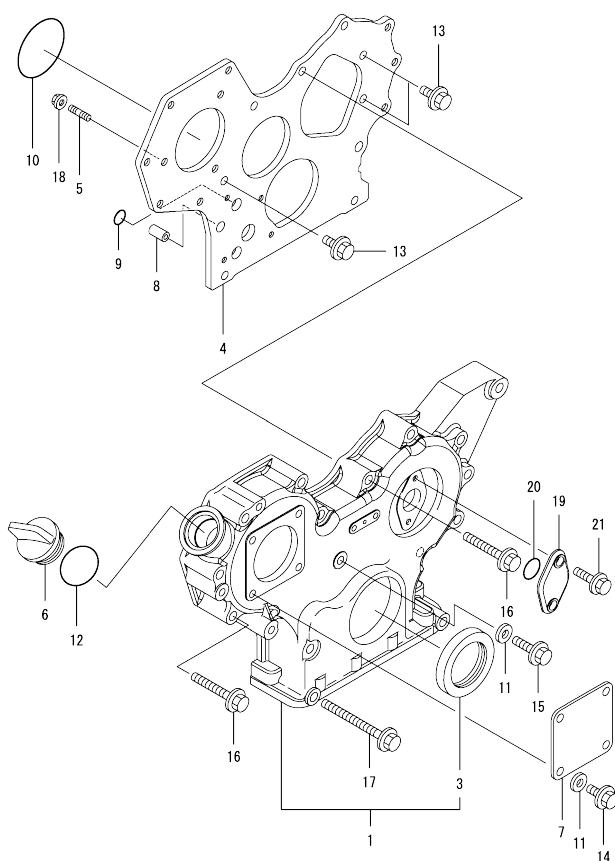
Remarks
(1)Spare parts.
(2)Under-sized(U.S.=0.25) parts.
(3)Over-sized(O.S.=0.25) parts.

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729509-01560	BLOCK ASSY, CYLINDER	1							
4	2	124060-01050	PLUG, PT1/8	1							
5	2	129001-01250	PLUG, DISH TYPE 50	1							
6	2	124160-01910	PLUG, PT1/4	2							
7	2	124160-01910	PLUG, PT1/4	1							
8	2	171051-01921	PLUG, NPTF1	1							
9	2	129150-02020	BOLT, METAL CAP	10							
12	2	129795-02412	BUSH, CAMSHAFT	1							
13	2	27241-120000	PLUG, 12	2							
14	2	27241-300000	PLUG 30	8							
24	2	129150-02931	BEARING ASSY, THRUST	2							
27	1	119309-01810	PLUG	1							
28	1	23875-030000	PLUG, R03	1							
29	1	129150-01200	BOLT, CYLINDER HEAD	18							
30	1	129508-01330	GASKET, HEAD	1							
31	1	129001-02931	BEARING ASSY, MAIN	5							1
34	1	129150-02871	BEARING ASSY, MAIN	5							2
37	1	129150-02941	BEARING, THRUST 0.25	1							3

Fig.2. GEAR HOUSING



(D)=
(E)=

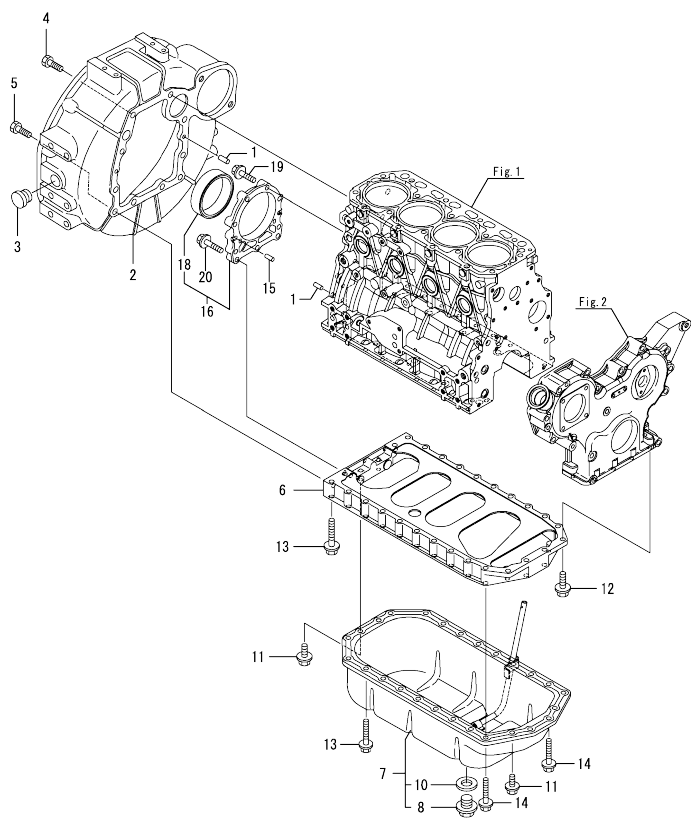
(A)=4TNV84T-ZXGYB
(B)=
(C)=

Q

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719803-01500	CASE ASSY, GEAR	1							
3	2	119934-01800	SEAL, OIL	1							
4	1	119803-01520	FLANGE, GEAR CASE	1							
5	1	119802-01561	BOLT, STUD M8X25	3							
6	1	124160-01751	CAP, FILLER	1							
7	1	124240-01871	COVER, PUMP	1							
8	1	129795-01950	PIPE, DOWEL L=18	2							
9	1	119609-32040	O-RING, P16	2							
10	1	121850-51960	O-RING	1							
11	1	22190-080002	WASHER, SEAL 8	5							
12	1	24311-000320	O-RING, 1AP32.0	1							
13	1	26106-080162	BOLT, M8X 16 PLATED	3							
14	1	26106-080162	BOLT, M8X 16 PLATED	4							
15	1	26106-080302	BOLT, M8X 30 PLATED	1							
16	1	26106-080552	BOLT, M8X 55 PLATED	12							
17	1	26106-080852	BOLT, M8X 85 PLATED	3							
18	1	26306-080002	NUT, M8	3							
19	1	121023-01551	COVER	1							
20	1	24341-000240	O-RING, 1AS24.0	1							
21	1	26106-060162	BOLT, M6X 16 PLATED	2							

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.3. FLYWHEEL HOUSING & OIL SUMP

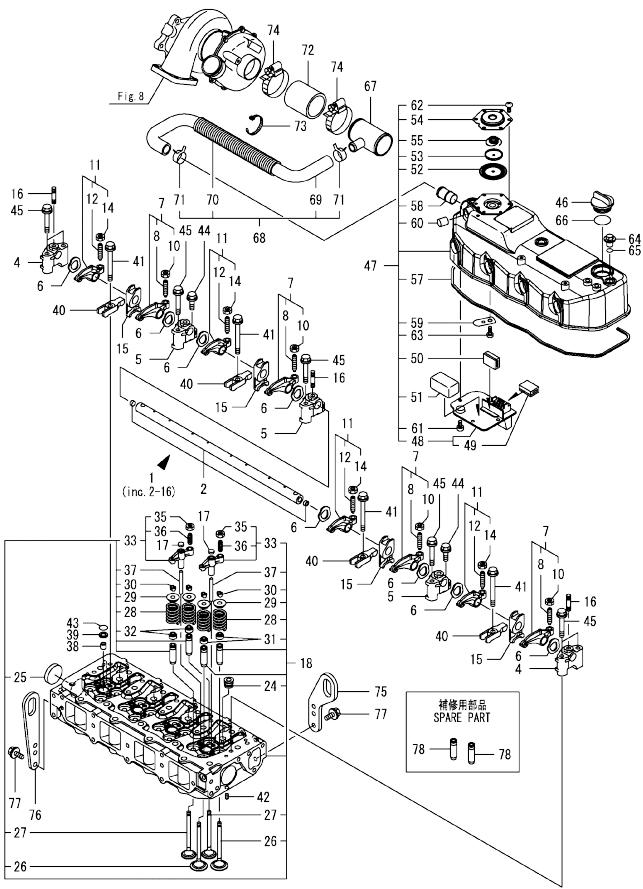


(A)=4TNV84T-ZXGYB
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, PARALLEL 8X16	2							
2	1	171420-01600	HOUSING, FLYWHEEL	1							
3	1	119620-01750	CAP	1							
4	1	26206-100252	BOLT, M10X 25 PLATED	6							
5	1	26206-100302	BOLT, M10X 30 PLATED	4							
6	1	129400-01730	SPACER, OIL-PAN	1							
7	1	129536-01770	OIL PAN ASSY	1							
8	2	119640-01640	PLUG, DRAIN M22	1							
10	2	22190-220002	WASHER, SEAL 22	1							
11	1	26106-080162	BOLT, M8X 16 PLATED	4							
12	1	26106-080252	BOLT, M8X 25 PLATED	2							
13	1	26106-080452	BOLT, M8X 45 PLATED	20							
14	1	26106-080502	BOLT, M8X 50 PLATED	4							
15	1	129100-01580	PIN, PARALLEL 8X16	2							
16	1	129100-01640	CASE ASSY, OIL SEAL	1							
18	2	129795-01780	SEAL, OIL	1							
19	1	129486-01670	BOLT, M8X30	6							
20	1	26106-080352	BOLT, M8X 35 PLATED	3							

Fig.4. CYLINDER HEAD & BONNET



Remarks
(1)Spare parts.

										OCD11-M10502 Fig.4			
										(A)=4TNV84T-ZXGYB		(D)=	
										(B)=		(E)=	
										(C)=		(F)=	
										Q'ty			
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R		
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 ASSY, ROCKER	4									
8	3	129150-11230	SCREW, VALVE ADJUST	4									
10	3	129150-11750	NUT, M8	4									
11	2	129508-11660	ARM ASSY, ROCKER	4									
12	3	129150-11230	SCREW, VALVE ADJUST	4									
14	3	129150-11750	NUT, M8	4									
15	2	129508-11920	RETAINER, NOZZLE	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, SUCTION	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, VALVE	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, BRIDGE	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	CAP, FILLER	1									
47	1	129584-11350	BONNET ASSY, HEAD	1									
48	2	129508-03010	PLATE, BAFFLE	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	129001-11340	PIPE, BREATHER	1									
59	2	129009-11340	SPRING, PLATE	1									
60	2	119640-61400	PLUG	1									
61	2	22857-500100	SCREW, 5X10	4									

N:Old

Yes

No

Q:Old

Yes

No

R:Old

Yes

No

S:Old

Yes

No

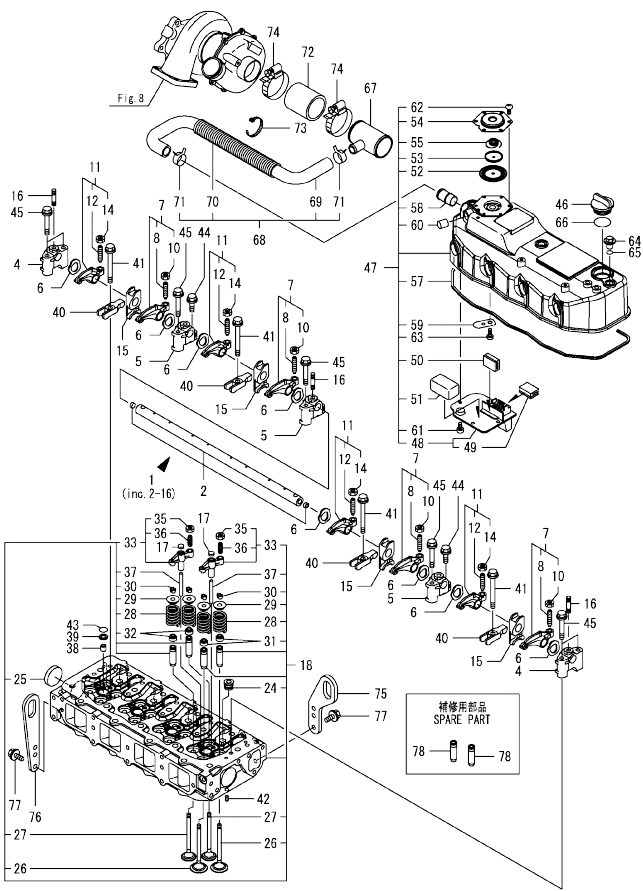
New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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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.4. CYLINDER HEAD & BONNET



Remarks
(1)Spare parts.

(A)=4TNV84T-ZXGYB
(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	22857-500100	SCREW, 5X10	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	129509-03050	JOINT, BREATHER	1							
68	1	129536-03080	HOSE ASSY,BREATHER	1							
69	2	129536-03090	HOSE,BREATHER	1							
70	2	129536-03320	PROTECTOR	1							
71	2	129410-03990	CLAMP, HOSE 21.5	2							
72	1	129536-12070	HOSE, INTAKE	1							
73	1	160793-78950	TIE, CABLE	1							
74	1	23000-060000	CLAMP, 60	2							
75	1	129486-07901	LIFTER, ENGINE	1							
76	1	129900-07900	LIFTER, ENGINE	1							
77	1	26106-080162	BOLT, M8X 16 PLATED	4							
78	1	119717-11800	GUIDE, VALVE	16							1

Fig.5. SUCTION MANIFOLD



Fig. 4

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

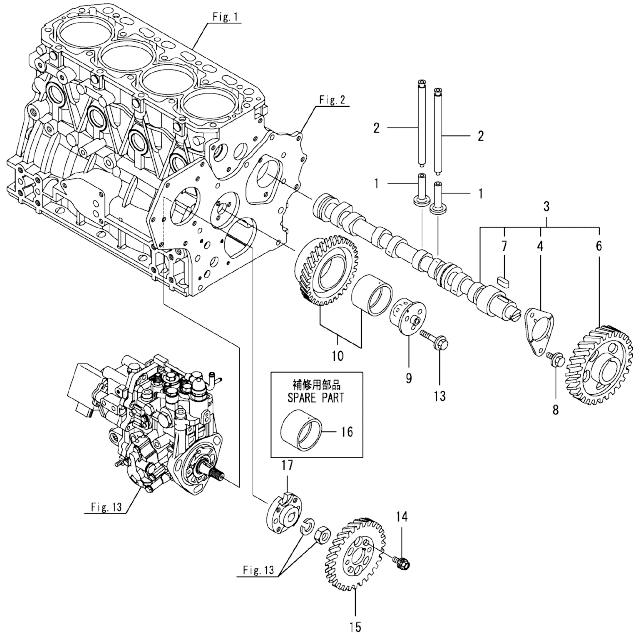
(A)=4TNV84T-ZXGYB
(B)=
(C)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129508-12110	GASKET, MANIFOLD	1							
2	1	129508-12120	MANIFOLD, AIR INTAKE	1							
2-1	1	129508-12121	MANIFOLD, INTAKE	1							R
(A=E46150)											
3	1	26106-080202	BOLT, M8X 20 PLATED	6							
4	1	26106-080802	BOLT, M8X 80 PLATED	1							
5	1	129536-12050	HOSE, INTAKE	1							
6	1	23000-048000	CLAMP, 48	1							
7	1	23000-060000	CLAMP, 60	1							
8	1	129100-77501	HEATER, AIR 11V	1							
9	1	129612-77500	HEATER	1							
10	1	129100-77510	GASKET, AIR HEATER	1							
11	1	129150-77511	GASKET, AIR HEATER	1							
12	1	129536-77580	WIRE, AIR HEATER	1							
13	1	26106-080552	BOLT, M8X 55 PLATED	4							

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.7. CAMSHAFT & DRIVING GEAR



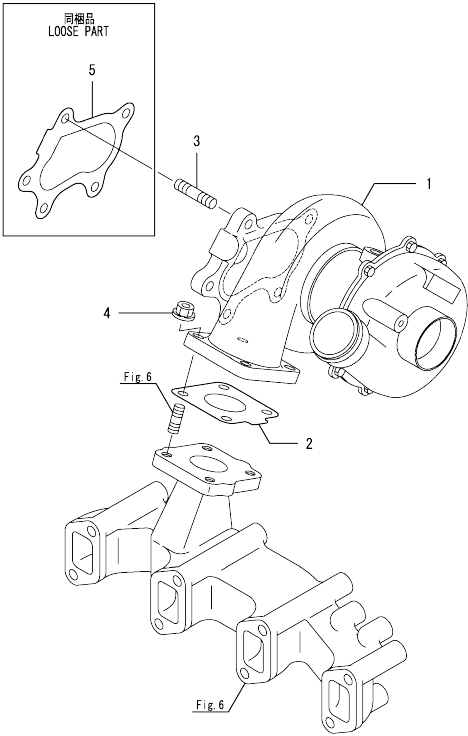
Remarks
(1)Spare parts.

(A)=4TNV84T-ZXGYB
(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	PUSH-ROD, 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	119802-25071	BUSH, IDLE GEAR	1							1
17	1	158552-51151	FLANGE	1							

Fig.8. TURBINE



OCD11-M10502 Fig.8

(A)=4TNV84T-ZXGYB

(D)=

(B)=

(E)=

(C)=

(F)=

Q'ty

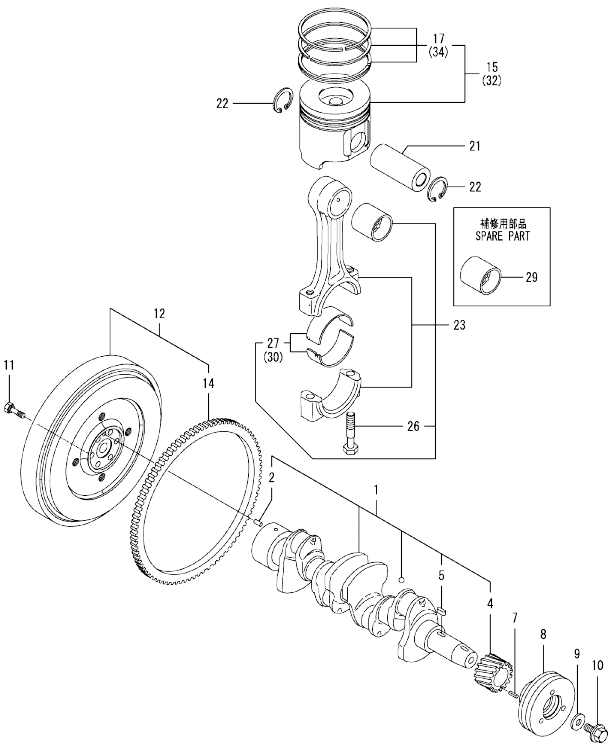
I

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No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)
1	1	129536-18010	TURBINE, RHF4	1					
2	1	129508-18080	GASKET	1					
3	1	129418-18320	BOLT, STUD M8X20	5					
4	1	26306-080002	NUT, M8	4					
5	1	129508-18090	GASKET	1					
</									

0CD11-M10502 4TNV84T-ZXGYB

Fig.9. CRANKSHAFT & PISTON



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

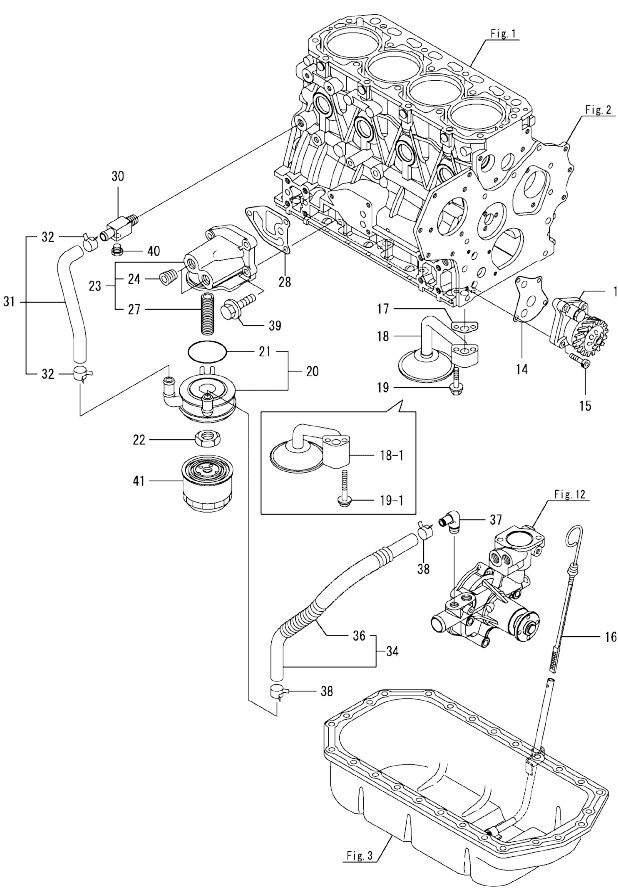
0CD11-M10502 Fig.9

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

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

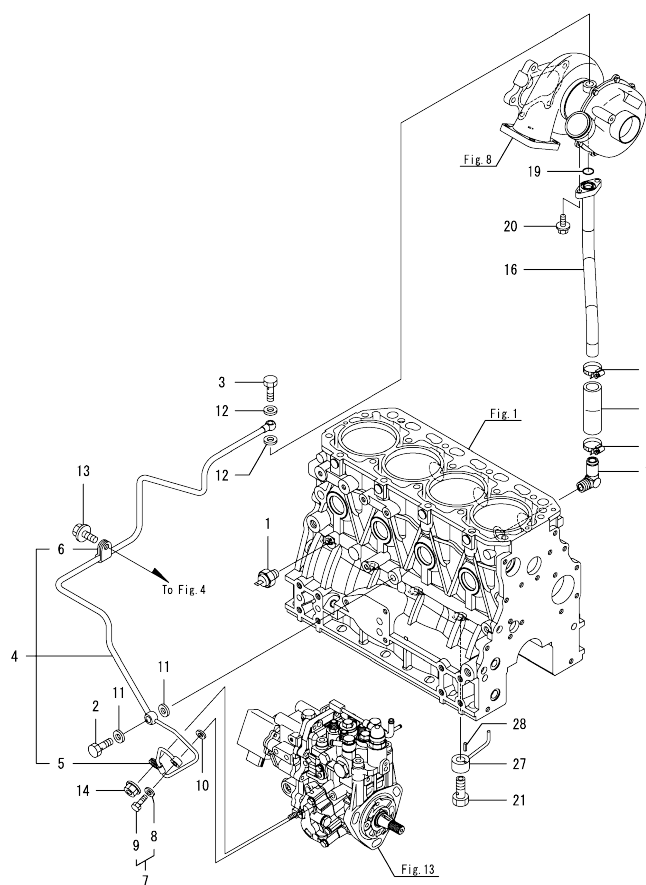
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129509-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, PARALLEL 8X16	1							
4	2	119803-21200	GEAR, CRANKSHAFT	1							
5	2	22512-070140	KEY, 7X 14	1							
7	1	22351-030010	PIN, SPRING 3.0X10	1							
8	1	119802-21660	V-PULLEY, CRANK 120	1							
9	1	129795-21661	WASHER	1							
10	1	121850-21680	BOLT	1							
11	1	121111-21501	BOLT, FLYWHEEL	6							
12	1	129536-21590	FLYWHEEL ASSY	1							
14	2	124550-21600	GEAR, RING Z=127	1							
15	1	129509-22080	PISTON ASSY	4							
17	2	129509-22500	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	121550-23200	BOLT, CONNECTING ROD	8							
27	2	129150-23601	BEARING, CRANK PIN	4							
29	1	129100-23910	BEARING, PISTON PIN	4							1
30	1	129150-23611	BEARING, 0.25 US	4							2
32	1	129509-22900	PISTON W/RING 0.25OS	1							3
34	2	129509-22950	RING SET, 0.25 OS	1							3

OCD11-M10502 4TNV84T-ZXGYB
Fig.10. LUB. OIL SYSTEM



Remarks
(1)Spare parts.

OCD11-M10502 Fig.10											
				(A)=4TNV84T-ZXGYB	(D)=						
				(B)=	(E)=						
				(C)=	(F)=						
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129418-32000	PUMP ASSY, OIL	1							
1-1		129418-32001	PUMP ASSY, OIL	1							N
(A=E53902)											
14	1	129150-32020	GASKET, PUMP	1							
15	1	26450-060252	BOLT, M6X 25	4							
16	1	129536-34800	DIPSTICK, LUB.OIL	1							
17	1	129150-35042	GASKET	1							
18	1	129436-35091	PIPE ASSY, OIL INLET	1							
18-1		129436-35070	PIPE ASSY, OIL INLET	1							S
(A=E37851)											
19	1	26106-080352	BOLT, M8X 35 PLATED	2							
19-1		26106-080552	BOLT, M8X 55 PLATED	2							S
(A=E37851)											
20	1	129067-33011	COOLER ASSY, OIL	1							
21	2	129508-33050	O-RING	1							
22	1	129417-33110	NUT	1							
22-1		129417-33111	NUT, OIL COOLER	1							R
(A=E46888)											
23	1	129033-35100	BRACKET ASSY	1							
24	2	129033-01770	PLUG, NPT1/2	2							
27	2	129417-35150	BOLT, STUD M20X67	1							
28	1	129103-35122	GASKET	1							
30	1	129006-44480	JOINT	1							
31	1	129033-49030	PIPE ASSY, WATER	1							
32	2	171008-03990	CLAMP, HOSE 18.5	2							
34	1	129536-49040	PIPE ASSY, CW COOLER	1							
36	2	119265-49090	TUBE, CORRUGATED	1							
37	1	129103-49301	ELBOW, PT1/4	1							
38	1	23080-018000	CLAMP, 18	2							
39	1	26106-080252	BOLT, M8X 25 PLATED	3							
40	1	171056-49120	PLUG, DRAIN R1/4	1							
41	1	119005-35151	FILTER, D80X100	1							1

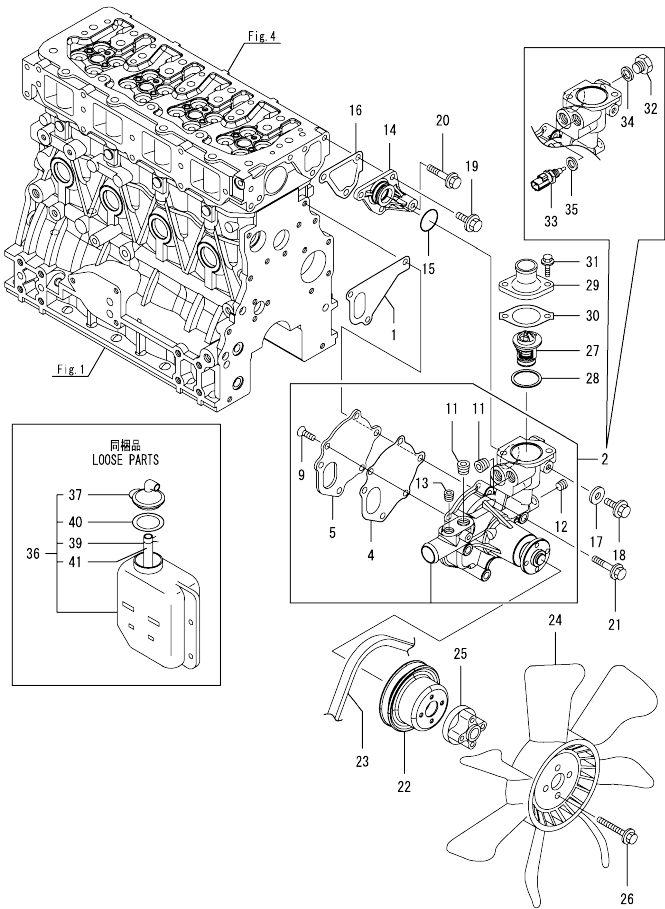


(A)=4TNV84T-ZXGYB
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119761-39450	SWITCH, HYDRAULIC	1							
2	1	124160-39140	BOLT, PIPE JOINT M10	1							
3	1	121252-39150	BOLT, JOINT M10X1.5	1							
4	1	129536-39450	PIPE ASSY, LO	1							
5	2	119802-39500	RETAINER, PIPE	1							
6	2	124223-39900	RETAINER	1							
7	1	129005-59830	BOLT ASSY, JOINT M8	1							
8	2	22190-080002	WASHER, SEAL 8	1							
9	2	23857-030000	BOLT, JOINT 3	1							
10	1	22190-080002	WASHER, SEAL 8	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	1							
14	1	26366-060002	NUT, M6	1							
15	1	124070-13300	ELBOW, PT3/8	1							
16	1	129536-39600	PIPE, LO RETURN	1							
17	1	123901-39820	HOSE, LO RETURN	1							
18	1	23000-025000	CLAMP, 25	2							
19	1	24316-000160	O-RING, 4DP16.0	1							
20	1	26106-060162	BOLT, M6X 16 PLATED	2							
21	1	129792-39410	VALVE ASSY, CHECK	4							
27	1	129553-39650	NOZZLE, COOLING	4							
28	1	22351-030010	PIN, SPRING 3.0X10	4							

Fig.12. COOLING WATER SYSTEM

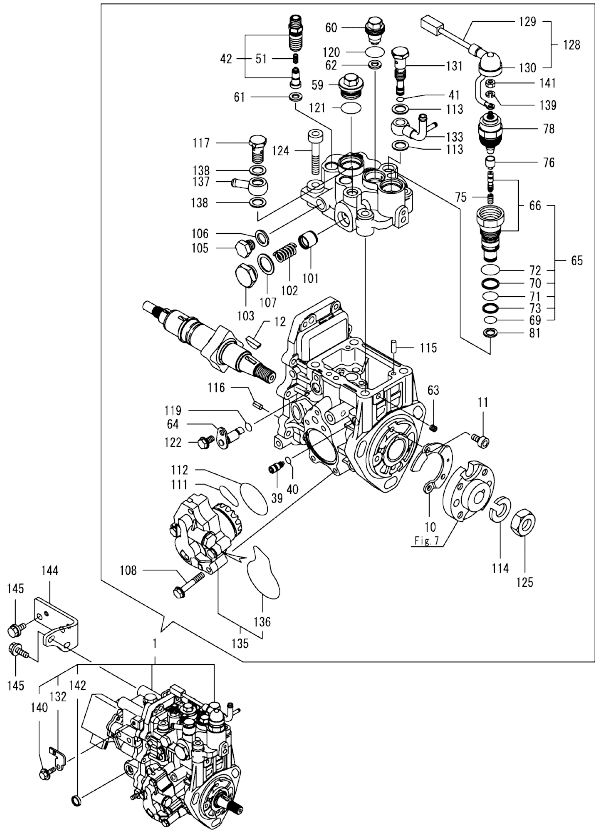


(A)=4TNV84T-ZXGYB
(B)=
(C)=

(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	129536-42020	PUMP ASSY, CW	1							
4	2	129100-42051	GASKET, WATER PUMP	1							
5	2	129100-42121	PLATE, PUMP	1							
9	2	26577-060152	SCREW, M6X15	3							
11	2	129916-49740	PLUG, R3/8	2							
12	2	23876-010000	PLUG, R01	1							
13	2	23875-020000	PLUG, R02	1							
14	1	129004-42040	JOINT	1							
15	1	129486-42140	O-RING, G30	1							
16	1	124395-49840	GASKET, THERMOSTAT	1							
17	1	23414-080000	GASKET, 8X1.0	1							
18	1	26106-080122	BOLT, M8X 12 PLATED	1							
19	1	26106-080162	BOLT, M8X 16 PLATED	3							
20	1	26106-080452	BOLT, M8X 45 PLATED	1							
21	1	26106-080602	BOLT, M8X 60 PLATED	3							
22	1	129556-42350	V-PULLEY, 96	1							
23	1	129612-42350	V-BELT, A38	1							
24	1	129655-44740	FAN, COOLING D380	1							
25	1	129457-44760	SPACER, FAN	1							
26	1	26106-060452	BOLT, M6X 45 PLATED	4							
27	1	129155-49801	THERMOSTAT, 71C	1							
28	1	129150-49811	GASKET, THERMOSTAT	1							
29	1	129350-49530	COVER, THERMOSTAT	1							
30	1	129795-49551	GASKET	1							
31	1	26106-080222	BOLT, M8X 22 PLATED	2							
32	1	121450-42450	PLUG, M16	1							
33	1	129927-44900	SENSOR, WATER TEMP.	1							
34	1	124465-44950	GASKET, 16	1							
35	1	22190-120002	WASHER, SEAL 12	1							
36	1	121468-44520	TANK ASSY, SUB	1							
37	2	121450-44531	CAP	1							
39	2	124450-44560	CLAMP, HOSE	1							
40	2	121470-44581	GASKET	1							
41	2	23065-070130	PIPE, 7X 130	1							

Fig.13. FUEL INJECTION PUMP

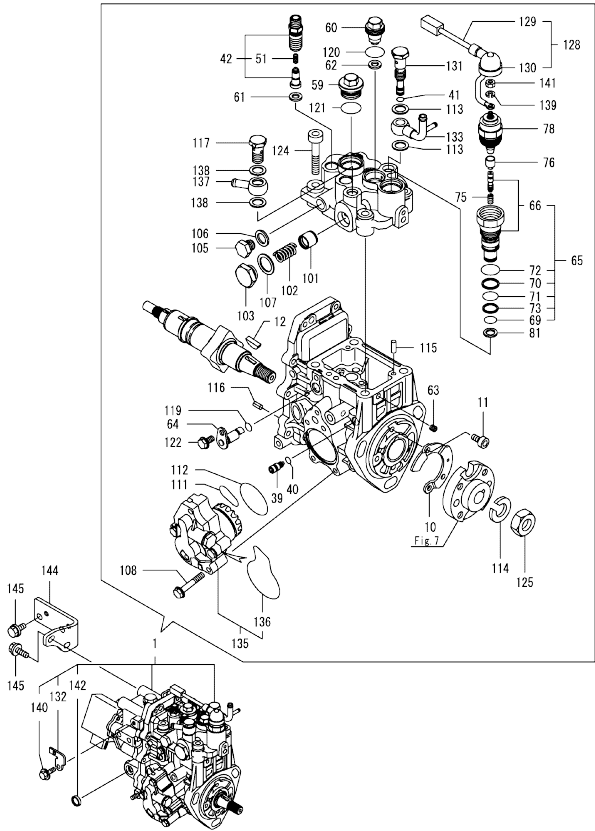


Remarks
(1)Governor(Fig.14) is incorporated in this Fuel Injection Pump(No.1).
(1)Eco pump
Make sure to update the engines ECU information when replacing the Eco pump.
Failing to do so will result in engine malfunction.

(A)=4TNV84T-ZXGYB
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729536-51360	FIE ASSY	1							1
10	2	129008-51900	COVER, PUMP	1							
11	2	129008-51920	BOLT, SOCKET M6X10	2							
12	2	119802-51090	FEATHER KEY, 4X16	1							
39	2	158600-51270	STOPPER, TAPPET	1							
40	2	158563-51281	O-RING, 4D S6	1							
41	2	158563-51281	O-RING, 4D S6	1							
42	2	129509-51390	VALVE ASSY, DELIVERY	4							
51	3	158563-51330	SPRING, DELIVERY	4							
59	2	158601-51550	PLUG, M22	1							
60	2	119802-51560	PLUG, M14	1							
61	2	158552-51571	GASKET, PLUG	4							
62	2	158552-51571	GASKET, PLUG	1							
63	2	158557-51570	PLUG, RACK	1							
64	2	158552-51580	LIFTER, LINK	1							
65	2	129657-51590	TIMER ASSY	1							
66	3	129657-51600	TIMER ASSY	1							
69	3	158553-51670	O-RING	1							
70	3	119802-51680	RING, BACKUP	1							
71	3	119802-51690	O-RING	1							
72	3	24356-190200	O-RING, 4D19020	1							
73	3	24372-000150	RING, BACK UP T2P15	1							
75	2	119852-51630	SPRING, TIMER	1							
76	2	119852-51640	CAP, TIMER	1							
78	2	119852-51650	VALVE ASSY, SOLENOID	1							
81	2	158553-51680	GASKET, TIMER	1							
101	2	158601-51770	PISTON, ACCUMULATOR	1							
102	2	158552-51781	SPRING, ACCUMULATOR	1							
103	2	158601-51790	PLUG	1							
105	2	158553-51930	PLUG, M12	1							
106	2	22190-120002	WASHER, SEAL 12	1							
107	2	22190-180002	WASHER, SEAL 18	1							
108	2	158553-51770	BOLT	4							
111	2	158552-52311	O-RING	1							
112	2	158552-52400	O-RING, 4E S42	1							
113	2	22190-120002	WASHER, SEAL 12	2							
114	2	22217-140000	WASHER, SPRING 14	1							
115	2	22312-050140	PIN, PARALLEL 5X14	2							
116	2	22351-050010	PIN, SPRING 5.0X10	2							
117	2	23857-060000	BOLT, JOINT 6	1							
119	2	24311-000070	O-RING, 1AP7.0	1							
120	2	24356-190180	O-RING, 4D19018	1							
121	2	24356-190200	O-RING, 4D19020	1							
122	2	26106-060102	BOLT, M6X 10 PLATED	1							
124	2	26450-080452	BOLT, M8X 45	4							
125	2	26776-140002	NUT, LOCK M14	1							
128	2	129927-51650	HARNESS ASSY, WIRE	1							
129	3	129927-51660	HARNESS	1							
130	3	129263-77941	CAP, RUBBER	1							
131	2	158601-51650	JOINT, OVER FLOW	1							
132	2	129927-51670	BRACKET	1							

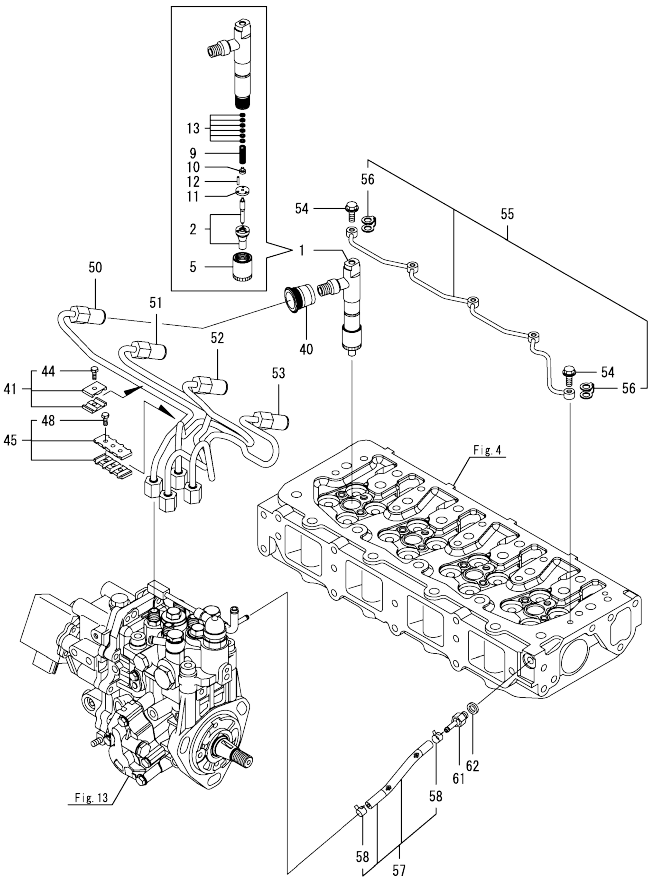
Fig.13. FUEL INJECTION PUMP



Remarks
(1)Governor(Fig.14) is incorporated in this Fuel Injection Pump(No.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)		
133	2	158552-51670	JOINT, OVER FLOW	1							
135	2	158552-52100	PUMP ASSY, FUEL FEED	1							
136	3	158552-52500	O-RING	1							
137	2	129916-59020	JOINT, PIPE 12	1							
138	2	22190-120002	WASHER, SEAL 12	2							
139	2	22217-050000	WASHER, SPRING 5	1							
140	2	26106-060142	BOLT, M6X 14 PLATED	1							
140-1	2	26106-060122 (A=E54965)	BOLT, M6X 12 PLATED	1							R
141	2	26716-050002	NUT, M5	1							
142	2	27241-160000	PLUG, 16	1							
144	1	129263-51251	RETAINER, PUMP	1							
145	1	26106-080162	BOLT, M8X 16 PLATED	4							

Fig.15. FUEL INJECTION VALVE



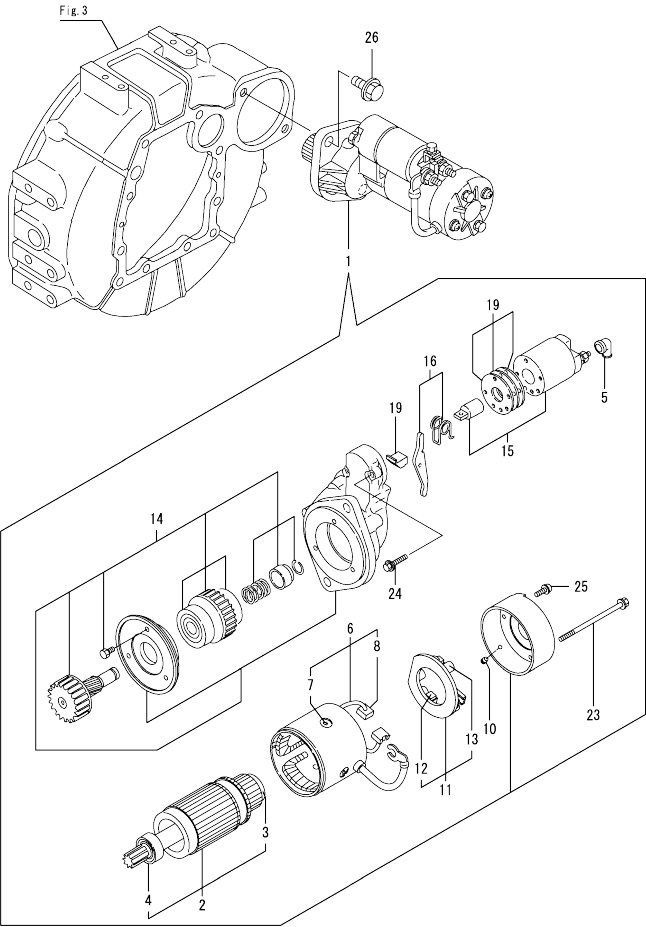
(A)=4TNV84T-ZXGYB
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729649-53100	FUEL INJECTOR ASSY	4							
2	2	129649-53000	NOZZLE ASSY, F.I.	4							
5	2	114250-53080	NUT, NOZZLE	4							
9	2	114250-53120	SPRING, NOZZLE	4							
10	2	114250-53130	SEAT, SPRING	4							
11	2	114250-53140	SPACER	4							
12	2	114250-53210	PIN	8							
13	2	119803-53400	SHIM SET	4							
40	1	123907-11601	SEAL, PIPE	4							
41	1	119305-59120	RETAINER, PIPE	2							
44	2	129150-59131	BOLT, M4X14	2							
45	1	129550-59120	RETAINER, PIPE	1							
48	2	129150-59131	BOLT, M4X14	2							
50	1	129508-59910	PIPE ASSY, INJECTION	1							
51	1	129508-59920	PIPE ASSY, INJECTION	1							
52	1	129508-59930	PIPE ASSY, INJECTION	1							
53	1	129508-59940	PIPE ASSY, INJECTION	1							
54	1	123907-59540	BOLT, PIPE JOINT M6	5							
55	1	129508-59550	PIPE ASSY, RETURN	1							
56	2	123907-59550	GASKET	5							
57	1	129509-59550	HOSE ASSY, FUEL	1							
58	2	124722-59050	CLAMP, HOSE 9	2							
61	1	123907-59560	JOINT, HOSE	1							
62	1	22190-080002	WASHER, SEAL 8	1							

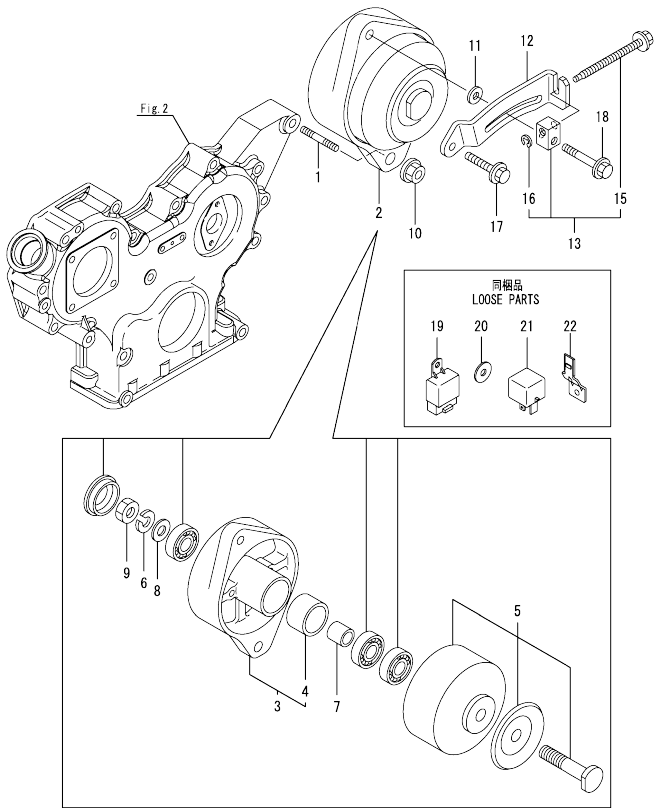
[illegible]

OCD11-M10502 4TNV84T-ZXGYB
Fig.17. STARTER MOTOR



										OCD11-M10502		Fig.17	
										(A)=4TNV84T-ZXGYB		(D)=	
										(B)=		(E)=	
										(C)=		(F)=	
										Q'ty			
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R		
1	1	129536-77010	STARTER	1									
2	2	119131-77400	ARMATURE ASSY	1									
3	3	171008-77410	BEARING, BALL	1									
4	3	119131-77420	BEARING, BALL	1									
5	2	121254-77810	COVER, TERMINAL	1									
6	2	119131-77440	COIL ASSY, FIELD	1									
7	3	119260-77070	SCREW, CORE SET	4									
8	3	119131-77450	BRUSH	2									
10	2	119131-77470	BUSH	1									
11	2	119131-77480	HOLDER ASSY, BRUSH	1									
12	3	119131-77500	BRUSH	2									
13	3	119131-77490	SPRING, BRUSH	4									
14	2	129536-77510	CLUTCH ASSY, PINION	1									
15	2	119131-77590	SWITCH, MAGNET	1									
16	2	119131-77620	LEVER SET, SHIFT	1									
19	2	119131-77650	COVER KIT, DUST	1									
23	2	129400-77640	BOLT, THROUGH	2									
24	2	119131-77690	BOLT, COLLAR M 6X 37	2									
25	2	26557-040102	SCREW, M4X10	2									
26	1	26106-120252	BOLT, M12X 25 PLATED	2									

Fig.18. GENERATOR

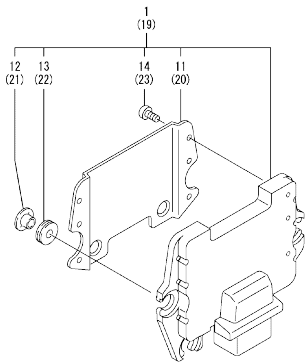


(A)=4TNV84T-ZXGYB
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129795-01900	BOLT, STUD M10X33	1							
2	1	129100-44300	PULLEY, TENSION	1							
3	2	129100-44310	PLATE ASSY	1							
4	3	129100-44320	PLATE, COIL	1							
5	2	129100-44330	FLYWHEEL ASSY	1							
6	2	129188-77200	WASHER, SPRING	1							
7	2	129118-77230	COLLAR	1							
8	2	129118-77240	WASHER, 10	1							
9	2	129118-77250	NUT	1							
10	1	26306-100002	NUT, M10	1							
11	1	106100-55800	WASHER	1							
12	1	119823-77310	ADJUSTER	1							
13	1	129630-77350	BLOCK ASSY, ADJUSTER	1							
15	2	129630-77380	BOLT, M8X100	1							
16	2	22272-000050	RING, E- 5	1							
17	1	26106-080452	BOLT, M8X 45 PLATED	1							
18	1	26106-080452	BOLT, M8X 45 PLATED	1							
19	1	198461-52950	RELAY, CA TYPE C	2							
19-1	1	172B02-17150	RELAY,CA C TYPE	2							R
(A=E65881)											
20	1	129927-77690	WASHER, ECU	3							
21	1	129927-77900	RELAY, ISO 90A	2							
22	1	129927-77910	BRACKET, CONNECTOR	2							

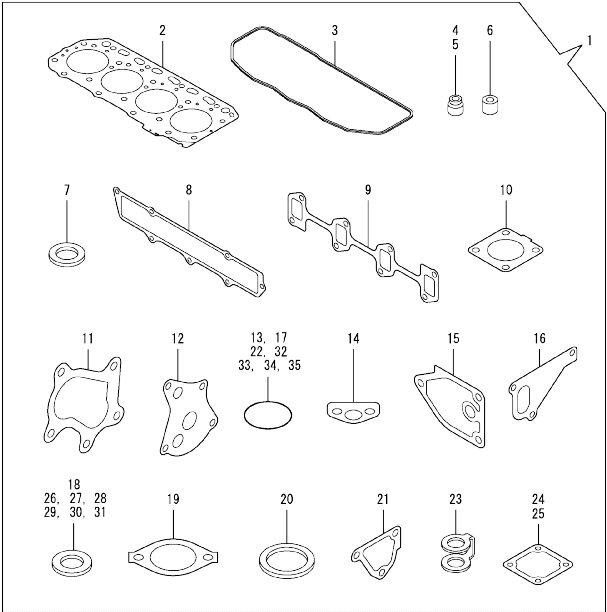
Fig.19. ELECTRONIC CONTROL UNIT(ECU)



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.

				(A)=4TNV84T-ZXGYB (B)= (C)=	(D)= (E)= (F)=						I	R
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	Q'ty		
1	1	129536-75080	ECU ASSY,4TNV84T-ZXG	1								1
11	2	129927-77600	SHIELD, ECU	1								
12	2	129927-77680	COLLAR, CONTROL	3								
13	2	119578-91351	ABSORBER	3								
14	2	22877-500080	SCREW, 5X 8	6								
19	1	129927-75900	ECU ASSY, SERVICE	1								2
20	2	129927-77600	SHIELD, ECU	1								
21	2	129927-77680	COLLAR, CONTROL	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-ZXGYB
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129536-92600	GASKET SET	1							1
2	2	129508-01330	GASKET, HEAD	1							
3	2	129508-11310	GASKET, BONNET	1							
4	2	119717-11340	SEAL, VALVE STEM	8							
5	2	119717-11350	SEAL, VALVE STEM	8							
6	2	119802-11870	PROTECTOR, NOZZLE	4							
7	2	119625-11880	SEAT, NOZZLE	4							
8	2	129508-12110	GASKET, MANIFOLD	1							
9	2	129550-13110	GASKET, EXH.MANIFOLD	1							
10	2	129508-18080	GASKET	1							
11	2	129508-18090	GASKET	1							
12	2	129150-32020	GASKET, PUMP	1							
13	2	119609-32040	O-RING, P16	2							
14	2	129150-35042	GASKET	1							
15	2	129103-35122	GASKET	1							
16	2	129486-42021	GASKET, WATER PUMP	1							
17	2	129486-42140	O-RING, G30	1							
18	2	124465-44950	GASKET, 16	1							
19	2	129795-49551	GASKET	1							
20	2	129150-49811	GASKET, THERMOSTAT	1							
21	2	124395-49840	GASKET, THERMOSTAT	1							
22	2	121850-51960	O-RING	1							
23	2	123907-59550	GASKET	5							
24	2	129100-77510	GASKET, AIR HEATER	1							
25	2	129150-77511	GASKET, AIR HEATER	1							
26	2	22190-080002	WASHER, SEAL 8	7							
27	2	22190-100002	WASHER, SEAL 10	2							
28	2	22190-120002	WASHER, SEAL 12	1							
29	2	22190-220002	WASHER, SEAL 22	1							
30	2	23414-080000	GASKET, 8X1.0	1							
31	2	23414-100000	GASKET, 10X1.0	2							
32	2	24311-000120	O-RING, 1AP12.0	7							
33	2	24311-000320	O-RING, 1AP32.0	2							
34	2	24316-000160	O-RING, 4DP16.0	1							
35	2	24341-000240	O-RING, 1AS24.0	1							

Parts No. Index

Parts No.	Fig. No.	Ref. No.
106100-55800	18	11
114250-53080	15	5
114250-53120	15	9
114250-53130	15	10
114250-53140	15	11
114250-53210	15	12
119005-35151	10	41
119131-18320	6	7
119131-77400	17	2
119131-77420	17	4
119131-77440	17	6
119131-77450	17	8
119131-77470	17	10
119131-77480	17	11
119131-77490	17	13
119131-77500	17	12
119131-77590	17	15
119131-77620	17	16
119131-77650	17	19
119131-77690	17	24
119260-77070	17	7
119265-49090	10	36
119305-59120	15	41
119309-01810	1	27
119578-91351	19	13
		22
119609-32040	2	9
	20	13
119620-01750	3	3
119625-11880	4	39
	20	7
119640-01640	3	8
119640-61400	4	60
119717-11190	4	30
119717-11340	4	31
	20	4
119717-11350	4	32
	20	5
119717-11800	4	78
119761-39450	11	1
119802-01561	2	5
119802-03070	4	49
119802-11870	4	38
	20	6
119802-13650	6	3
119802-13651	6	3 -1
119802-13670	6	4
119802-13671	6	4 -1
119802-13820	6	5
119802-13821	6	5 -1

Parts No.	Fig. No.	Ref. No.
119802-21660	9	8
119802-25071	7	16
119802-25101	7	10
119802-25901	7	15
119802-39500	11	5
119802-51090	13	12
119802-51560	13	60
119802-51680	13	70
119802-51690	13	71
119802-55710	16	8
119802-55730	16	9
119802-55801	16	4
119803-01520	2	4
119803-21200	9	4
119803-25050	7	9
119803-53400	15	13
119823-77310	18	12
119852-51630	13	75
119852-51640	13	76
119852-51650	13	78
119934-01800	2	3
119934-55611	16	3
121023-01551	2	19
121111-21501	9	11
121252-39150	11	3
121254-77810	17	5
121450-42450	12	32
121450-44531	12	37
121468-44520	12	36
121470-44581	12	40
121550-23200	9	26
121850-21680	9	10
121850-51960	2	10
	20	22
123901-39820	11	17
123907-03100	4	52
123907-03110	4	53
123907-03120	4	54
123907-03140	4	55
123907-11550	4	17
123907-11601	15	40
123907-11830	4	36
123907-59540	15	54
123907-59550	15	56
	20	23
123907-59560	15	61
124060-01050	1	4
124070-13300	11	15
124160-01751	2	6
	4	46

Parts No.	Fig. No.	Ref. No.
124160-01910	1	6
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124160-11360	4	64
124160-39140	11	2
124223-39900	11	6
124240-01871	2	7
124395-49840	12	16
	20	21
124450-44560	12	39
124465-44950	12	34
	20	18
124550-21600	9	14
124722-59050	15	58
129001-01250	1	5
129001-02931	1	31
129001-11340	4	58
129004-42040	12	14
129005-59830	11	7
129006-44480	10	30
129008-51900	13	10
129008-51920	13	11
129008-61301	14	20
129009-11340	4	59
129033-01770	10	24
129033-35100	10	23
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