

0CW10-M46100EN

P R E F A C E

1. This Parts Catalog carries all parts incorporated in YANMAR Model 4TNV84T-ZDSA3D, 4TNV84T-ZDSA3DT engine manufactured since October, 2008.
2. Each illustration corresponds to the parts list on the following page.
3. When ordering parts, clearly write down the engine model and serial number, as well as the name and number of each part in your order sheet. This will help insure reliable delivery of the parts you have ordered.

Directions for the Parts Catalog.

- 1.This Parts Catalog shows both standard and optional parts.
- 2.Parts may change without prior notice.
- 3.The following is an example of the Parts Catalog format.

OCF10-G21601 29. FUEL INJECTION PUMP(W/BOOST)										
REF.	LEV.	PARTS NO.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)	
1	1	729595-51390	FUEL INJECTION PUMP	1	1	1	1	1		1
1-1	1	729595-51391	FUEL INJECTION PUMP	1	1	1	1	1	N	1
		(A=E00185) (B=E00200)								
3	2	26022-060162	SCREW M 6X 16	9	9	9	9	9		
3-1	2	26022-060162	SCREW M 6X 16	4	4	4	4	4	K	
		(A=E00156) (B=E00156) (C=E00156) (D=E00156) (E=E00156)								
4	2	129470-51040	CAMSHAFT	1	1	1	1	1		
5	2	122710-51050	BEARING, ROLLER	2	2	2	2	2		
6	2	129470-51060	RETAINER	1	1	1	1	1		

Remarks

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

① Ref. No.

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

(Ex.) Illustration No.

List Ref No.

1 1 (Before change) → 1-1 (After change)

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

② Lev. (Level)

Level indication

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

1 ---- Main parts (Assembly parts)

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

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

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

③ Interchangeability Symbol

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

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

④ Effective Machine No.

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

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

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

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

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

⑤ Remarks

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

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

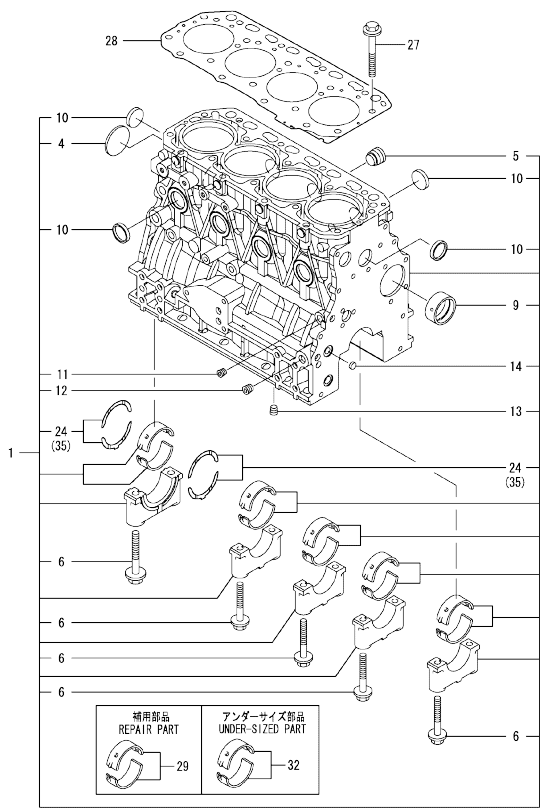
Contents

0CW10-M46100

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4TNV84T-ZDSA3D	
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2.	GEAR HOUSING
3.	MOUNTING FLANGE & OIL SUMP
4.	CYLINDER HEAD & BONNET
5.	SUCTION MANIFOLD
6.	EXHAUST MANIFOLD
7.	CAMSHAFT & DRIVING GEAR
8.	TURBINE
9.	CRANKSHAFT & PISTON
10.	LUB.OIL SYSTEM
11.	LUB.OIL LINE
12.	COOLING WATER SYSTEM
13.	FUEL INJECTION PUMP
14.	GOVERNOR
15.	FUEL INJECTION VALVE
16.	FUEL LINE
17.	STARTING MOTOR
18.	GENERATOR
19.	ELECTRONIC CONTROL UNIT (ECU)
20.	GASKET SET

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



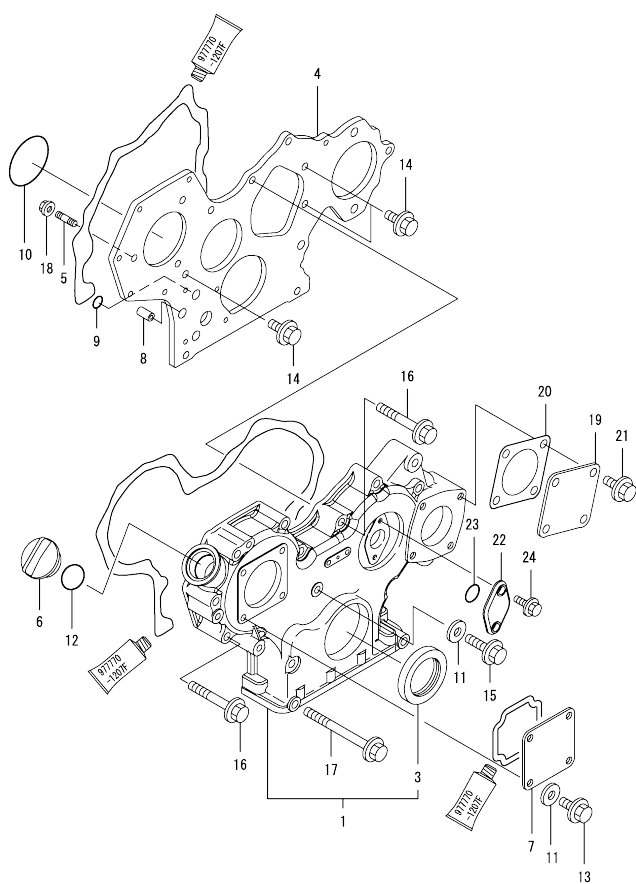
Remarks
(1) REPAIR PART.
(2) UNDER-SIZED(U.S=0.25)PART.
(3) OVER-SIZED(O.S=0.25)PART.

(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(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	1						
4	2	129001-01250	PLUG, 50	1	1						
5	2	171051-01921	PLUG, NPTF1	1	1						
6	2	129150-02020	BOLT, METAL CAP	10	10						
9	2	129795-02412	BUSH, CAMSHAFT	1	1						
10	2	27241-300000	PLUG 30	8	8						
11	2	124060-01050	PLUG, PT1/8	1	1						
12	2	124160-01910	PLUG, PT1/4	2	2						
13	2	124160-01910	PLUG, PT1/4	1	1						
14	2	27241-120000	PLUG, 12	2	2						
24	2	129150-02931	BEARING, THRUST	2	2						
27	1	129150-01200	BOLT, HEAD	18	18						
28	1	129508-01330	GASKET, HEAD	1	1						
29	1	129001-02931	BEARING, MAIN	5	5						1
32	1	129150-02871	BEARING, 0.25 US	5	5						2
35	1	129150-02941	BEARING, THRUST 0.25	1	1						3

Fig.2. GEAR HOUSING



0CW10-M46100 Fig.2

(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(C)=

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

 $Q^{\#}$

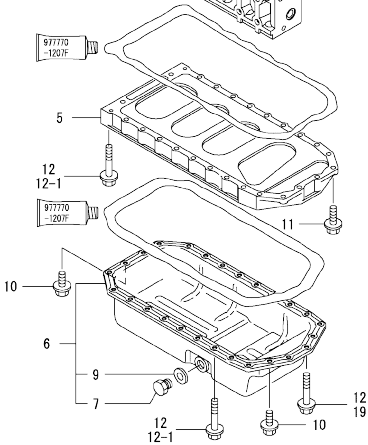
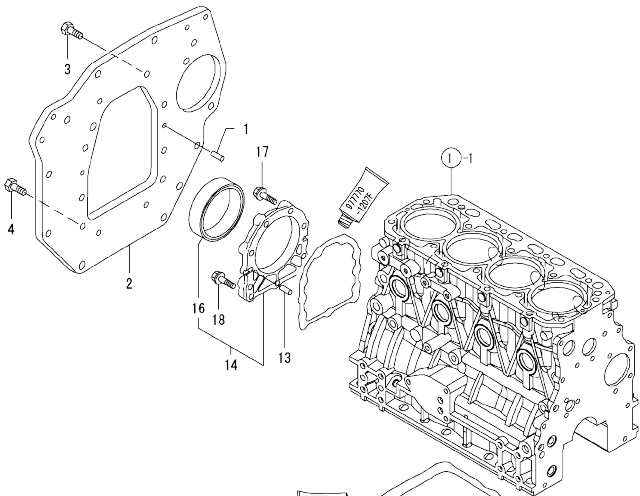
(C)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729652-01500	CASE ASSY, GEAR	1	1						
3	2	119934-01800	SEAL, OIL	1	1						
4	1	129604-01520	FLANGE, GEAR CASE	1	1						
5	1	119802-01561	STUD, M8X25	3	3						
6	1	124160-01751	COVER, FILLER	1	1						
7	1	124240-01871	COVER	1	1						
8	1	129795-01950	PIPE, KNOCK L=18	2	2						
9	1	119609-32040	O-RING, P16	2	2						
10	1	121850-51960	O-RING	1	1						
11	1	22190-080002	WASHER, SEAL 6	5	5						
12	1	24311-000320	O-RING, 1AP32.0	1	1						
13	1	26106-080162	BOLT, M8X 16 PLATED	4	4						
14	1	26106-080162	BOLT, M8X 16 PLATED	3	3						
15	1	26106-080302	BOLT, M8X 30 PLATED	1	1						
16	1	26106-080552	BOLT, M8X 55 PLATED	10	10						
17	1	26106-080852	BOLT, M8X 85 PLATED	3	3						
18	1	26306-080002	NUT, M8	3	3						
19	1	124240-01871	COVER	1	1						
20	1	124240-01883	GASKET	1	1						
21	1	26106-080162	BOLT, M8X 16 PLATED	4	4						
22	1	121023-01551	COVER	1	1						
23	1	24341-000240	O-RING, 1AS24.0	1	1						
24	1	26106-060162	BOLT, M6X 16 PLATED	2	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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0CW10-M46100 4TNV84T-ZDSA3D

Fig.3. MOUNTING FLANGE & OIL SUMP



0CW10-M46100 Fig.3

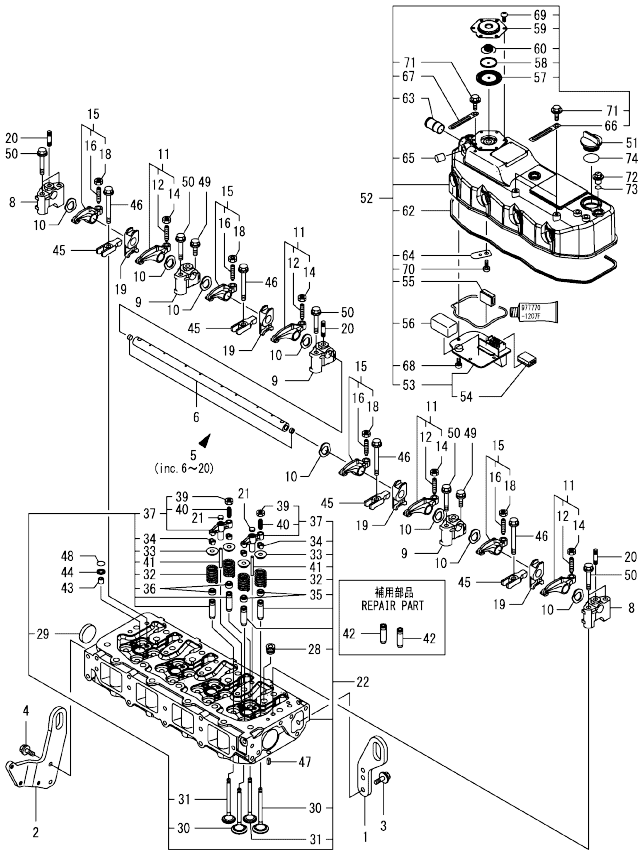
(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2	2						
2	1	129129-01600	FLANGE, MOUNTING	1	1						
3	1	26206-100202	BOLT, M10X 20 PLATED	6	6						
4	1	26206-100252	BOLT, M10X 25 PLATED	2	2						
5	1	129400-01730	SPACER, OIL SUMP	1	1						
6	1	129400-01770	SUMP ASSY, OIL	1	1						
6-1	1	129688-01780	OIL PAN ASSY, DEEP	1	1						N
		(A=E23169) (B=E51640)									
7	2	119640-01640	PLUG, DRAIN M22	1	1						
9	2	22190-220002	WASHER, SEAL 22	1	1						
10	1	26106-080162	BOLT, M8X 16 PLATED	4	4						
11	1	26106-080252	BOLT, M8X 25 PLATED	2	2						
12	1	26106-080452	BOLT, M8X 45 PLATED	24	24						
12-1	1	26106-080452	BOLT, M8X 45 PLATED	20	20						K
		(A=FROM 1ST) (B=FROM 1ST)									
13	1	129100-01580	PIN, M8X16	2	2						
14	1	129100-01640	CASE ASSY, OIL SEAL	1	1						
16	2	129795-01780	SEAL, OIL	1	1						
17	1	129486-01670	BOLT, M8X30	6	6						
18	1	26106-080352	BOLT, M8X 35 PLATED	3	3						
19	1	26106-080502	BOLT, M8X 50 PLATED	4	4						W
		(A=FROM 1ST) (B=FROM 1ST)									

0CW10-M46100 4TNV84T-ZDSA3D

Fig.4. CYLINDER HEAD & BONNET



Remarks
(1) REPAIR PART.

0CW10-M46100 Fig.4

(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(C)=

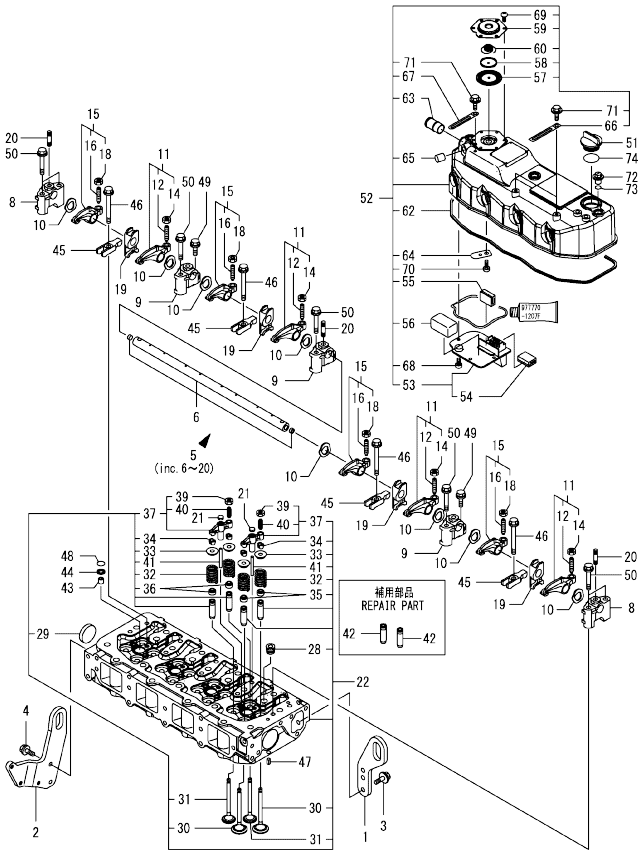
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129486-07901	LIFTER	1	1						
2	1	129928-07900	LIFTER	1	1						
3	1	26106-080162	BOLT, M8X 16 PLATED	2	2						
4	1	26106-080202	BOLT, M8X 20 PLATED	2	2						
5	1	129508-11241	SHAFT ASSY, ROCKER	1	1						
6	2	129508-11250	SHAFT, ROCKER ARM	1	1						
8	2	129508-11260	SUPPORT, ROCKER ARM	2	2						
9	2	129508-11270	SUPPORT, ROCKER ARM	3	3						
10	2	129508-11280	WASHER	8	8						
11	2	129508-11650	ARM, ROCKER	4	4						
12	3	129150-11230	SCREW, VALVE ADJUST	4	4						
14	3	129150-11750	NUT, M8	4	4						
15	2	129508-11660	ARM, ROCKER	4	4						
16	3	129150-11230	SCREW, VALVE ADJUST	4	4						
18	3	129150-11750	NUT, M8	4	4						
19	2	129508-11920	RETAINER	4	4						
20	2	26226-080352	STUD, M8X 35	3	3						
21	1	123907-11550	SEAT, VALVE BRIDGE	8	8						
22	1	129509-11700	HEAD ASSY, CYLINDER	1	1						
28	2	23876-020000	PLUG, R02	4	4						
29	2	27241-400000	PLUG, 40	2	2						
30	2	129508-11100	VALVE, INTAKE	8	8						
31	2	129508-11110	VALVE, EXHAUST	8	8						
32	2	129508-11130	SPRING, VALVE	16	16						
33	2	129508-11180	RETAINER, SPRING	16	16						
34	2	119717-11190	COTTER	32	32						
35	2	119717-11340	SEAL, VALVE STEM	8	8						
36	2	119717-11350	SEAL, VALVE STEM	8	8						
37	2	129672-11510	BRIDGE ASSY, VALVE	8	8						
39	3	129150-11750	NUT, M8	8	8						
40	3	123907-11830	ADJUSTER	8	8						
41	2	129508-11820	GUIDE	8	8						
42	1	119717-11800	GUIDE, VALVE	16	16						1
43	1	119802-11870	PROTECTOR, NOZZLE	4	4						
44	1	119625-11880	SEAT, NOZZLE	4	4						
45	1	129508-11900	RETAINER, NOZZLE	4	4						
46	1	129907-11950	BOLT, M8X75	4	4						
47	1	22351-060012	PIN, SPRING 6.0X12	2	2						
48	1	24311-000120	O-RING, 1AP12.0	4	4						
49	1	26106-080252	BOLT, M8X 25 PLATED	3	3						
50	1	26106-080502	BOLT, M8X 50 PLATED	7	7						
51	1	124160-01751	COVER, FILLER	1	1						
52	1	129509-11350	BONNET ASSY, HEAD	1	1						
53	2	129508-03010	PLATE	1	1						
54	3	119802-03070	BAFFLE, BREATHER	1	1						
55	2	129150-03070	BAFFLE, BREATHER	1	1						
56	2	129907-03070	BAFFLE, BREATHER	1	1						
57	2	123907-03100	DIAPHRAGM	1	1						
58	2	123907-03110	PLATE	1	1						
59	2	123907-03120	PLATE, BREATHER	1	1						
60	2	123907-03140	SPRING, DIAPHRAGM	1	1						

N:Old, N:New, Q:Old, Q:New, R:Old, R:New, S:Old, S:New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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0CW10-M46100 4TNV84T-ZDSA3D

Fig.4. CYLINDER HEAD & BONNET



0CW10-M46100 Fig.4

(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(C)=

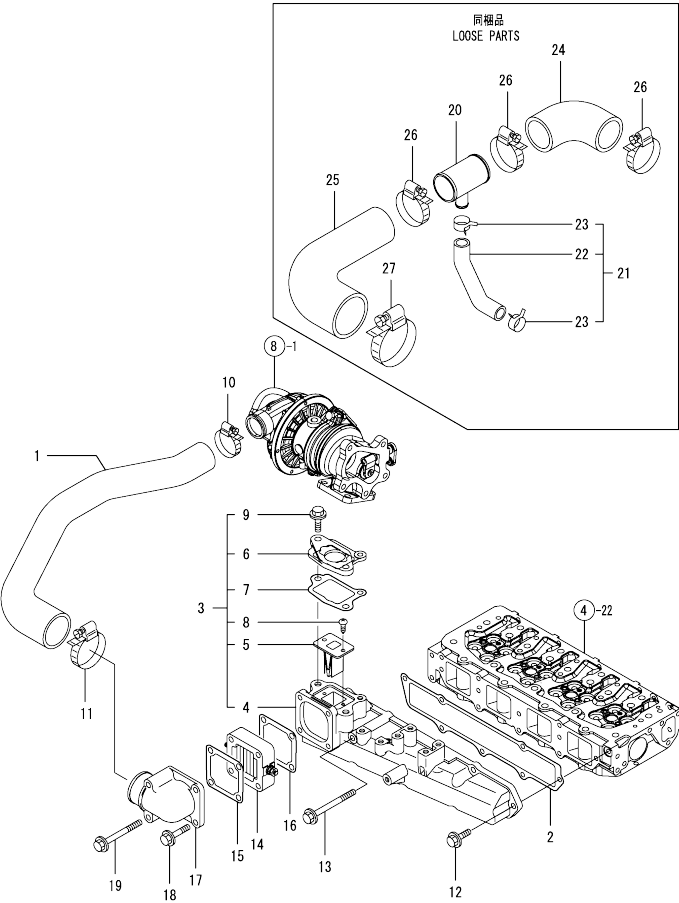
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
62	2	129508-11310	GASKET, BONNET	1	1						
63	2	129001-11340	PIPE , BREATHER	1	1						
64	2	129009-11340	SPRING	1	1						
65	2	119640-61400	PLUG	1	1						
66	2	129509-79700	CLIP	2	2						
67	2	175339-79700	CLIP	1	1						
68	2	22857-500100	SCREW, 5X10	4	4						
69	2	22857-500100	SCREW, 5X10	6	6						
70	2	22857-500100	SCREW, 5X10	1	1						
71	2	26106-060122	BOLT, M6X 12 PLATED	3	3						
72	1	124160-11360	KNOB	3	3						
73	1	24311-000120	O-RING, 1AP12.0	3	3						
74	1	24311-000320	O-RING, 1AP32.0	1	1						

Remarks
(1) REPAIR PART.

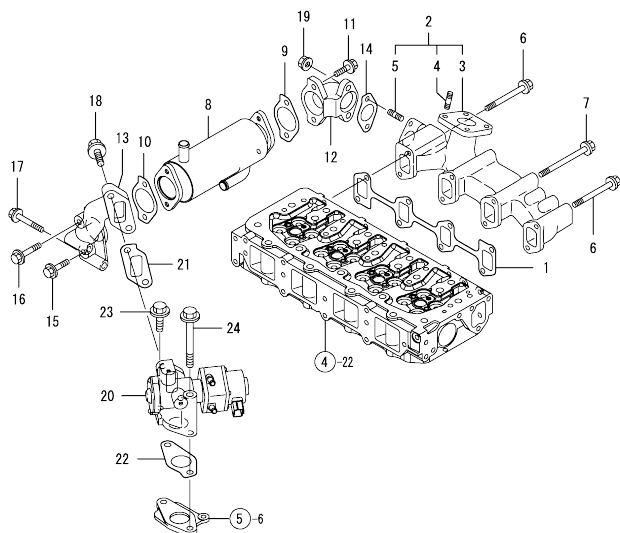
N:Old $\frac{YBS}{100}$ New, Q:Old $\frac{H10}{100}$ New, R:Old $\frac{YBS}{100}$ New, S:Old $\frac{H10}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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0CW10-M46100 4TNV84T-ZDSA3D
Fig.5. SUCTION MANIFOLD



							0CW10-M46100		Fig.5			
							(A)=4TNV84T-ZDSA3D (B)=4TNV84T-ZDSA3DT (C)=		(D)= (E)= (F)=			
							Q'ty					
							(A) (B)		(C) (D) (E) (F)			
No.	Lev.	Parts No.	Description				I R					
1	1	129509-12060	PIPE, AIR INTAKE				1	1				
2	1	129508-12110	GASKET, MANIFOLD				1	1				
3	1	129509-12150	MANIFOLD ASSY,INTAKE				1	1				
4	2	129509-12100	MANIFOLD, AIR INTAKE				1	1				
5	2	129509-13700	VALVE				1	1				
6	2	129509-13710	SPACER				1	1				
7	2	129509-13720	GASKET				1	1				
8	2	22857-500160	SCREW, 5X16				2	2				
9	2	26106-080202	BOLT, M8X 20 PLATED				1	1				
10	1	23000-048000	CLAMP, 48				1	1				
11	1	23000-060000	CLAMP, 60				1	1				
12	1	26106-080202	BOLT, M8X 20 PLATED				5	5				
13	1	26106-080902	BOLT, M8X 90 PLATED				2	2				
14	1	129100-77501	HEATER				1	1				
15	1	129100-77510	GASKET				1	1				
16	1	129150-77511	GASKET				1	1				
17	1	171340-77520	BEND				1	1				
18	1	26106-080402	BOLT, M8X 40 PLATED				2	2				
19	1	26106-080802	BOLT, M8X 80 PLATED				2	2				
20	1	129509-03050	JOINT, BREATHER				1	1				
21	1	129509-03080	HOSE ASSY, BREATHER				1	1				
22	2	129509-03090	HOSE, BREATHER				1	1				
23	2	129410-03990	CLIP				2	2				
24	1	129509-12070	PIPE, AIR INTAKE				1	1				
25	1	129509-12080	PIPE, AIR INTAKE				1	1				
26	1	23000-060000	CLAMP, 60				3	3				
27	1	23000-080000	CLAMP, 80				1	1				

Fig.6. EXHAUST MANIFOLD



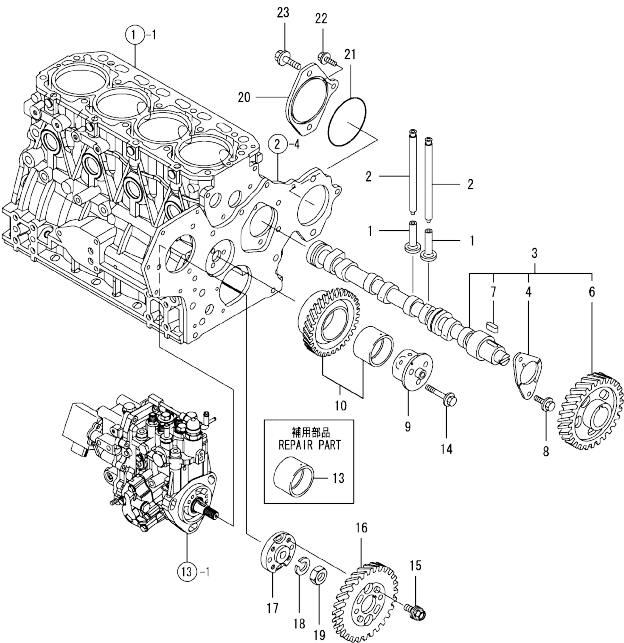
0CW10-M46100 Fig.6

(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129550-13110	GASKET	1	1						
2	1	129509-13150	MANIFOLD ASSY	1	1						
3	2	129509-13100	MANIFOLD, EXHAUST	1	1						
4	2	129418-18320	STUD, M8X20	4	4						
5	2	129418-18320	STUD, M8X20	2	2						
6	1	123900-13630	BOLT, M8X80	4	4						
7	1	129693-44310	BOLT	4	4						
7-1	1	119802-13820	BOLT, M8X100 9.8T	4	4						N
		(A="2009.12)	(B="2009.12)								
8	1	129509-13400	COOLER, EGR	1	1						
9	1	129928-13410	GASKET	1	1						
10	1	129928-13410	GASKET	1	1						
11	1	119802-13790	BOLT, M8X25 10.9T	2	2						
12	1	129928-13800	PIPE	1	1						
13	1	129509-13810	PIPE	1	1						
14	1	129927-13810	GASKET	1	1						
15	1	26106-080352	BOLT, M8X 35 PLATED	1	1						
16	1	26106-080452	BOLT, M8X 45 PLATED	1	1						
17	1	26106-080552	BOLT, M8X 55 PLATED	2	2						
18	1	26106-100252	BOLT, M10X 25 PLATED	2	2						
19	1	26306-080002	NUT, M8	2	2						
20	1	129927-13900	VALVE	1	1						
21	1	129927-13910	GASKET	1	1						
22	1	129927-13920	GASKET	1	1						
23	1	26106-100402	BOLT, M10X 40 PLATED	1	1						
24	1	26106-101052	BOLT, M10X105 PLATED	1	1						

Fig.7. CAMSHAFT & DRIVING GEAR



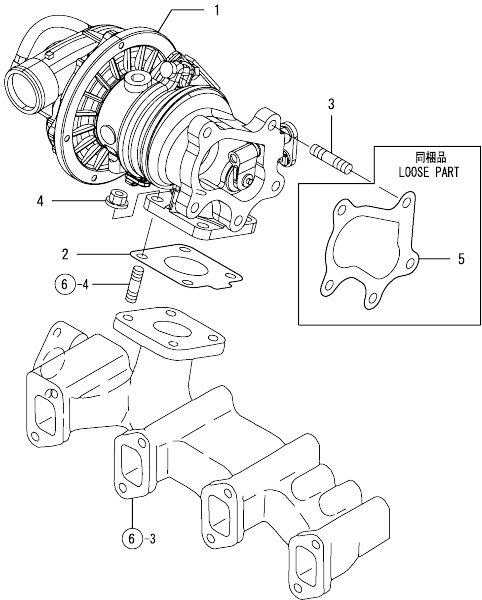
Remarks
(1) REPAIR PART.

(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(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	8						
2	1	129150-14400	ROD, PUSH L=178	8	8						
3	1	129508-14580	CAMSHAFT ASSY	1	1						
4	2	129150-02450	BEARING, THRUST	1	1						
6	2	129150-14101	GEAR, CAMSHAFT	1	1						
7	2	22512-070140	KEY, 7X 14	1	1						
8	1	26106-080142	BOLT, M8X 14 PLATED	2	2						
9	1	119803-25050	SHAFT, IDLE	1	1						
10	1	119802-25101	GEAR ASSY, IDLE	1	1						
13	1	119802-25071	BUSH, IDLE GEAR	1	1						1
14	1	26106-080402	BOLT, M8X 40 PLATED	3	3						
15	1	129150-25301	BOLT	4	4						
16	1	119802-25901	GEAR, PUMP	1	1						
17	1	158552-51151	FLANGE	1	1						
18	1	22217-140000	WASHER, SPRING 14	1	1						
19	1	26776-140002	NUT, LOCK M14	1	1						
20	1	129430-26070	COVER	1	1						
21	1	24321-000800	O-RING, 1AG80.0	1	1						
22	1	26106-080252	BOLT, M8X 25 PLATED	1	1						
23	1	26106-100302	BOLT, M10X 30 PLATED	2	2						

Fig.8. TURBINE



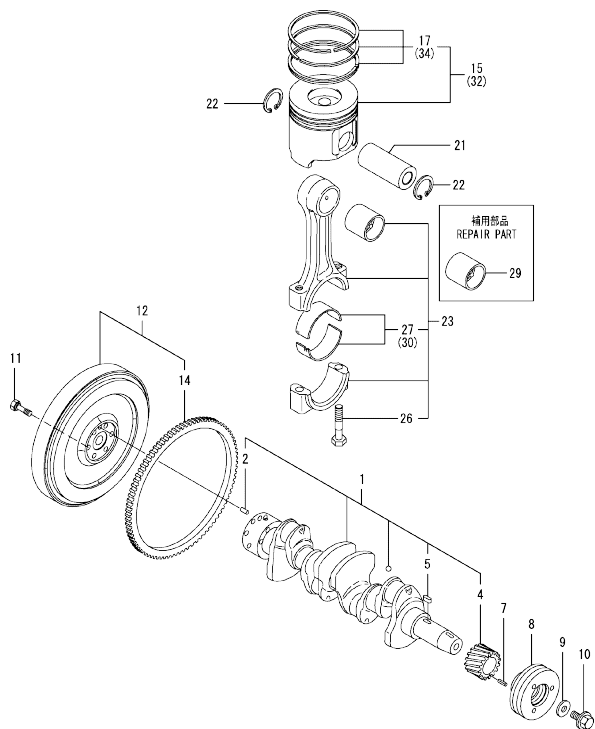
(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129508-18010	TURBINE, RHF4	1	1						
2	1	129508-18080	GASKET	1	1						
3	1	129418-18320	STUD, M8X20	5	5						
4	1	26306-080002	NUT, M8	5	5						
5	1	129508-18090	GASKET	1	1						

0CW10-M46100 4TNV84T-ZDSA3D

Fig.9. CRANKSHAFT & PISTON



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

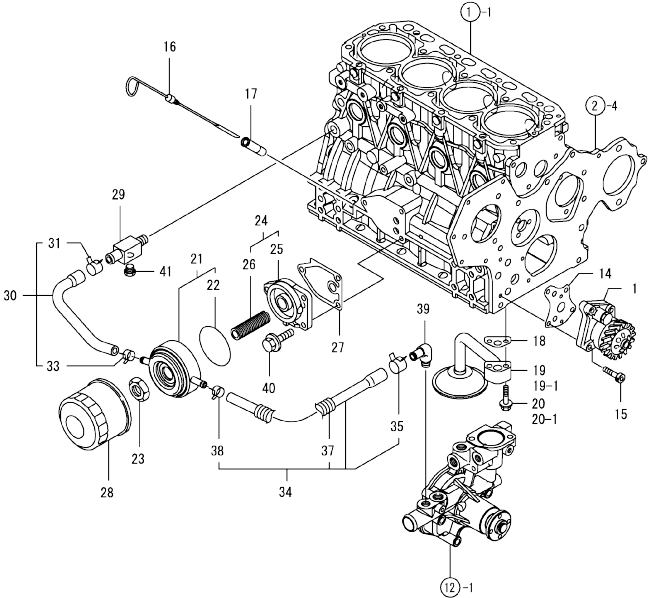
0CW10-M46100 Fig.9

(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(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	1						
2	2	129100-01580	PIN, M8X16	1	1						
4	2	119803-21200	GEAR, CRANKSHAFT	1	1						
5	2	22512-070140	KEY, 7X 14	1	1						
7	1	22351-030010	PIN, SPRING 3.0X10	1	1						
8	1	119802-21650	V-PULLEY, 110	1	1						
9	1	129795-21661	WASHER	1	1						
10	1	121850-21680	BOLT	1	1						
11	1	121111-21501	BOLT, FLYWHEEL	6	6						
12	1	171420-21580	FLYWHEEL ASSY	1	1						
14	2	119865-21600	GEAR, RING	1	1						
15	1	129509-22080	PISTON ASSY	4	4						
17	2	129509-22500	RING SET, PISTON	4	4						
21	1	129202-22300	PIN, PISTON D26 L70	4	4						
22	1	22252-000260	RING, 26	8	8						
23	1	729402-23100	ROD ASSY, CONNECTING	4	4						
26	2	121550-23200	BOLT, CONNECTING ROD	8	8						
27	2	129150-23601	BEARING, CRANK PIN	4	4						
29	1	129100-23910	BEARING, PISTON PIN	4	4						1
30	1	129150-23611	BEARING, 0.25 US	4	4						2
32	1	729509-22900	PISTON ASSY, 0.25 OS	4	4						3
34	2	729509-22950	RING SET, 0.25 OS	4	4						3

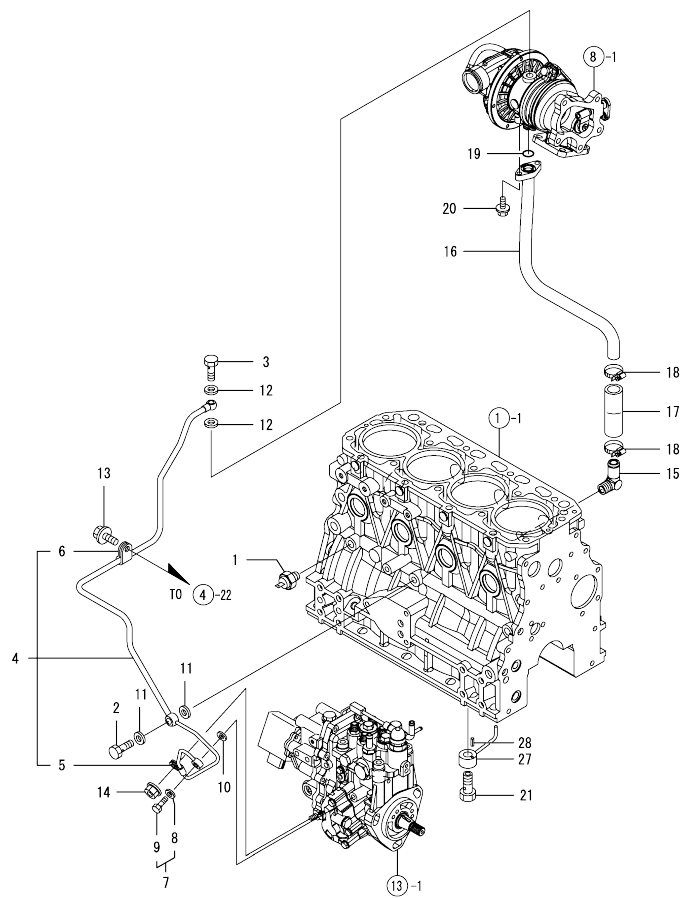
0CW10-M46100 4TNV84T-ZDSA3D
Fig.10. LUB.OIL SYSTEM



Remarks
(1) REPAIR PART.

0CW10-M46100 Fig.10											
				(A)=4TNV84T-ZDSA3D	(D)=						
				(B)=4TNV84T-ZDSA3DT	(E)=						
				(C)=	(F)=						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129418-32000	PUMP ASSY, OIL	1	1						
14	1	129150-32020	GASKET, PUMP	1	1						
15	1	26450-060252	BOLT, M6X 25	4	4						
16	1	129004-34802	DIPSTICK, OIL	1	1						
17	1	121520-34810	GUIDE, DIPSTICK	1	1						
18	1	129150-35042	GASKET	1	1						
19	1	129436-35091	PIPE ASSY, OIL INLET	1	1						
19-1	1	129436-35070	PIPE ASSY	1	1						S
(A=EZZZZZ) (B=EZZZZZ)											
20	1	26106-080352	BOLT, M8X 35 PLATED	2	2						
20-1	1	26106-080552	BOLT, M8X 55 PLATED	2	2						S
(A=EZZZZZ) (B=EZZZZZ)											
21	1	129508-33010	COOLER ASSY, OIL	1	1						
22	2	129508-33050	O-RING	1	1						
23	1	129417-33110	NUT	1	1						
24	1	129006-35100	BRACKET ASSY, FILTER	1	1						
25	2	119802-35110	BRACKET, FILTER	1	1						
26	2	129417-35150	STUD, L=67	1	1						
27	1	129150-35111	GASKET	1	1						
28	1	129150-35170	FILTER,LO	1	1						1
29	1	129006-44480	JOINT	1	1						
30	1	129508-49030	PIPE ASSY, WATER	1	1						
31	2	171008-03990	CLIP, HOSE 18.5	1	1						
33	2	23080-015000	CLAMP, 15	1	1						
34	1	129508-49040	PIPE ASSY, WATER	1	1						
35	2	171008-03990	CLIP, HOSE 18.5	1	1						
37	2	119940-59130	TUBE, CORRUGATED	1	1						
38	2	23080-015000	CLAMP, 15	1	1						
39	1	129103-49301	ELBOW, PT1/4	1	1						
40	1	26106-080202	BOLT, M8X 20 PLATED	3	3						
41	1	171056-49120	PLUG, DRAIN	1	1						

Fig.11. LUB.OIL LINE



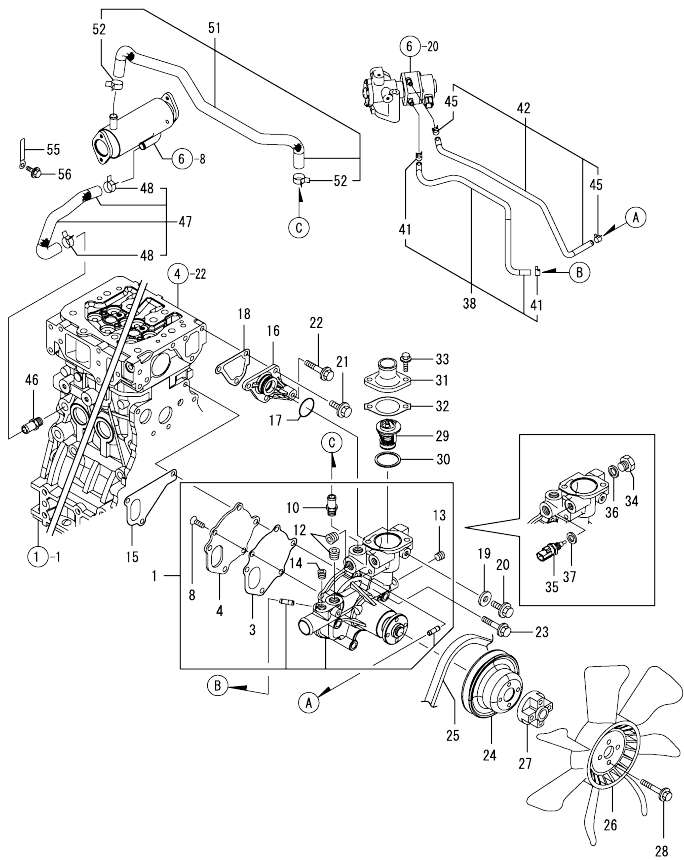
(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(C)=

(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	1						
2	1	124160-39140	BOLT, PIPE JOINT M10	1	1						
3	1	121252-39150	BOLT, JOINT M10X1.5	1	1						
4	1	129508-39450	PIPE ASSY, OIL	1	1						
5	2	119802-39500	RETAINER, PIPE	1	1						
6	2	124223-39900	RETAINER	1	1						
7	1	129005-59830	BOLT ASSY, JOINT M8	1	1						
8	2	22190-080002	WASHER, SEAL 6	1	1						
9	2	23857-030000	BOLT, JOINT 3	1	1						
10	1	22190-080002	WASHER, SEAL 6	1	1						
11	1	22190-100002	WASHER, SEAL 10	2	2						
12	1	23414-100000	GASKET, 10X1.0	2	2						
13	1	26106-080122	BOLT, M8X 12 PLATED	1	1						
14	1	26366-060002	NUT, M6	1	1						
15	1	124070-13300	ELBOW, PT3/8	1	1						
16	1	129508-39600	PIPE, OIL	1	1						
17	1	123901-39820	HOSE	1	1						
18	1	23000-025000	CLAMP, 25	2	2						
19	1	24316-000160	O-RING, 4DP16.0	1	1						
20	1	26106-060162	BOLT, M6X 16 PLATED	2	2						
21	1	129792-39410	VALVE ASSY, CHECK	4	4						
27	1	129553-39650	NOZZLE	4	4						
28	1	22351-030010	PIN, SPRING 3.0X10	4	4						

0CW10-M46100 4TNV84T-ZDSA3D

Fig.12. COOLING WATER SYSTEM



0CW10-M46100 Fig.12

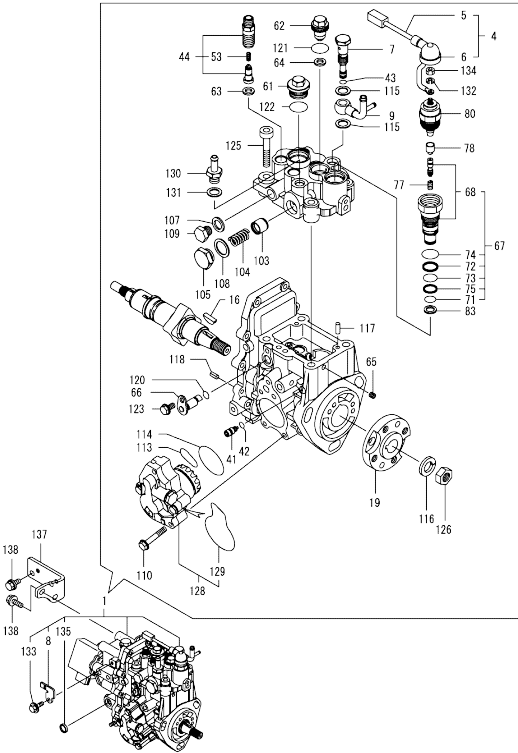
(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129509-42010	PUMP ASSY, WATER	1	1						
3	2	129100-42051	GASKET, WATER PUMP	1	1						
4	2	129100-42121	PLATE	1	1						
8	2	121850-42410	SCREW	3	3						
10	2	129928-49420	JOINT	1	1						
12	2	129916-49740	PLUG, R03	2	2						
13	2	23876-010000	PLUG, R01	1	1						
14	2	23876-020000	PLUG, R02	1	1						
15	1	129486-42021	GASKET, WATER PUMP	1	1						
16	1	129004-42040	JOINT	1	1						
17	1	129486-42140	O-RING, G30	1	1						
18	1	124395-49840	GASKET	1	1						
19	1	23414-080000	GASKET, 8X1.0	1	1						
20	1	26106-080122	BOLT, M8X 12 PLATED	1	1						
21	1	26106-080162	BOLT, M8X 16 PLATED	3	3						
22	1	26106-080452	BOLT, M8X 45 PLATED	1	1						
23	1	26106-080602	BOLT, M8X 60 PLATED	3	3						
24	1	129403-42380	V-PULLEY, D=110	1	1						
25	1	129258-42290	V-BELT, A36.5	1	1						
25-1	1	25152-003600	V-BELT, A36	1	1						N
(A=EXXXXXX) (B=EXXXXXX)											
26	1	129655-44740	FAN, COOLING D380	1	1						
27	1	171353-44760	SPACER, FAN	1	1						
28	1	26106-060402	BOLT, M6X 40 PLATED	4	4						
29	1	129155-49801	THERMOSTAT, 71	1	1						
30	1	129150-49811	GASKET, THERMOSTAT	1	1						
31	1	129350-49530	COVER, THERMOSTAT	1	1						
32	1	129795-49551	GASKET	1	1						
33	1	26106-080222	BOLT, M8X 22 PLATED	2	2						
34	1	121450-42450	PLUG, M16	1	1						
35	1	129927-44900	SENSOR	1	1						
36	1	124465-44950	GASKET, 16	1	1						
37	1	22190-120002	WASHER, SEAL 12	1	1						
38	1	129509-49630	PIPE, WATER	1	1						
41	2	23080-012000	CLAMP, 12	2	2						
42	1	129509-49640	PIPE, WATER	1	1						
45	2	23080-012000	CLAMP, 12	2	2						
46	1	129928-49420	JOINT	1	1						
47	1	129509-49610	PIPE, WATER	1	1						
48	2	129960-03990	CLIP, HOSE 22	2	2						
51	1	129509-49620	PIPE, WATER	1	1						
52	2	129960-03990	CLIP, HOSE 22	2	2						
55	1	105430-67110	CLAMP, CORD	1	1						
56	1	26106-080122	BOLT, M8X 12 PLATED	1	1						

0CW10-M46100 4TNV84T-ZDSA3D

Fig.13. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY (FIG. 14) IS INCORPORATED IN THIS FUEL INJECTION PUMP (REF. NO. 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.

0CW10-M46100 Fig.13

(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(C)=

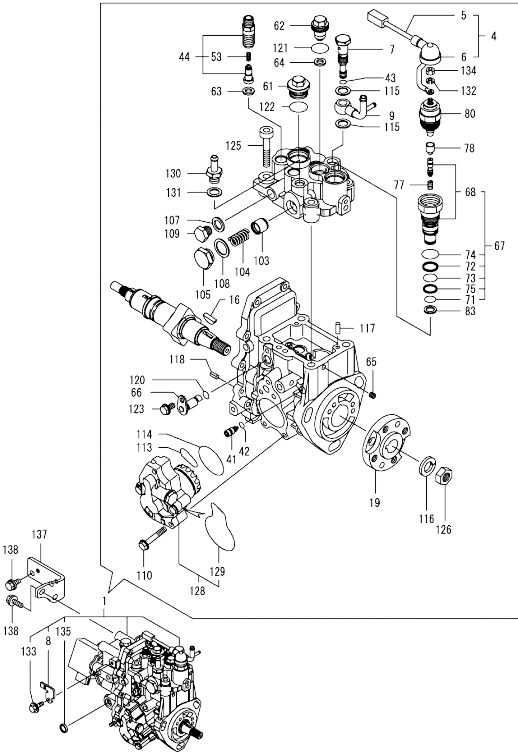
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729509-51300	PUMP ASSY, INJECTION	1	1						1
4	2	129927-51650	HARNESS ASSY, WIRE	1	1						
5	3	129927-51660	HARNESS	1	1						
6	3	129263-77941	CAP, RUBBER	1	1						
7	2	158601-51650	JOINT, OVER FLOW	1	1						
8	2	129927-51670	BRACKET	1	1						
9	2	158552-51670	JOINT, OVER FLOW	1	1						
16	2	119802-51090	FEATHER KEY, 4X16	1	1						
19	2	158552-51151	FLANGE	1	1						
41	2	158600-51270	STOPPER, TAPPET	1	1						
42	2	158563-51281	O-RING, 4D S6	1	1						
43	2	158563-51281	O-RING, 4D S6	1	1						
44	2	129008-51390	VALVE ASSY, DELIVERY	4	4						
53	3	158563-51330	SPRING, DELIVERY	4	4						
61	2	158601-51550	PLUG, M22	1	1						
62	2	119802-51560	PLUG, M14	1	1						
63	2	158552-51571	GASKET, PLUG	4	4						
64	2	158552-51571	GASKET, PLUG	1	1						
65	2	158557-51570	PLUG, RACK	1	1						
66	2	158552-51580	LIFTER, LINK	1	1						
67	2	129657-51590	TIMER ASSY	1	1						
68	3	129657-51600	TIMER ASSY	1	1						
71	3	158553-51670	O-RING	1	1						
72	3	119802-51680	RING, BACKUP	1	1						
73	3	119802-51690	O-RING	1	1						
74	3	24356-010200	O-RING, 4D1020	1	1						
75	3	24372-000150	RING, BACK UP T2P15	1	1						
77	2	119852-51630	SPRING, TIMER	1	1						
78	2	119852-51640	CAP, TIMER	1	1						
80	2	119852-51650	VALVE ASSY, SOLENOID	1	1						
83	2	158553-51680	GASKET, TIMER	1	1						
103	2	158601-51770	PISTON, ACCUMULATOR	1	1						
104	2	158552-51781	SPRING, ACCUMULATOR	1	1						
105	2	158601-51790	PLUG	1	1						
107	2	22190-120002	WASHER, SEAL 12	1	1						
108	2	22190-180002	WASHER, SEAL 18	1	1						
109	2	23887-120002	PLUG, 12	1	1						
110	2	158553-51770	BOLT	4	4						
113	2	158552-52310	O-RING	1	1						
114	2	158552-52400	O-RING, 4E S42	1	1						
115	2	22190-120002	WASHER, SEAL 12	2	2						
116	2	22217-140000	WASHER, SPRING 14	1	1						
117	2	22312-050140	PIN, PARALLEL M5X14	2	2						
118	2	22351-050010	PIN, SPRING 5.0X10	2	2						
120	2	24311-000070	O-RING, 1AP7.0	1	1						
121	2	24356-010180	O-RING, 4D1018	1	1						
122	2	24356-010200	O-RING, 4D1020	1	1						
123	2	26106-060102	BOLT, M6X 10 PLATED	1	1						
125	2	26450-080452	BOLT, M8X 45	4	4						
126	2	26776-140002	NUT, LOCK M14	1	1						
128	2	158552-52100	PUMP ASSY, FUEL FEED	1	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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0CW10-M46100 4TNV84T-ZDSA3D

Fig.13. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY (FIG.14) IS
INCORPORATED IN THIS FUEL
INJECTION PUMP (REF.NO.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.

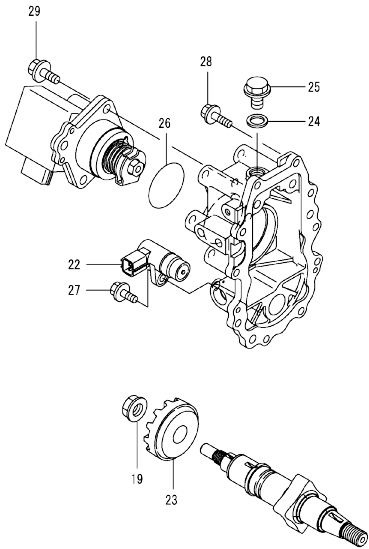
0CW10-M46100 Fig.13

(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
129	3	158552-52500	O-RING	1	1						
130	2	119934-59910	JOINT, PIPE	1	1						
131	2	22190-120002	WASHER, SEAL 12	1	1						
132	2	22217-050000	WASHER, SPRING 5	1	1						
133	2	26106-060142	BOLT, M6X 14 PLATED	1	1						
134	2	26716-050002	NUT, M5	1	1						
135	2	27241-160000	PLUG, 16	1	1						
137	1	129263-51251	RETAINER, PUMP	1	1						
138	1	26106-080162	BOLT, M8X 16 PLATED	4	4						

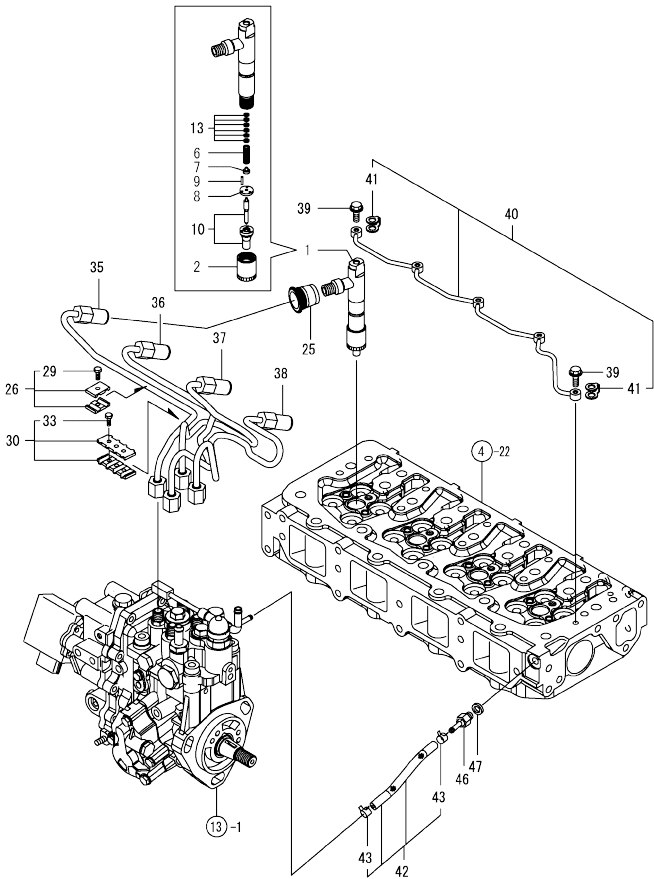
0CW10-M46100 4TNV84T-ZDSA3D
Fig.14. GOVERNOR



Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.13).

										0CW10-M46100 Fig.14	
										(A)=4TNV84T-ZDSA3D (B)=4TNV84T-ZDSA3DT (C)=	
										(D)= (E)= (F)=	
										Q'ty	
										(C) (D) (E) (F)	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
19	2	129008-61301	NUT	1	1						
22	2	158557-61720	SENSOR	1	1						
23	2	158553-61780	GEAR, SENSOR	1	1						
24	2	22190-120000	WASHER, SEAL 12	1	1						
25	2	23887-120002	PLUG, 12	1	1						
26	2	24341-000480	O-RING, 1AS48.0	1	1						
27	2	26106-060162	BOLT, M6X 16 PLATED	1	1						
28	2	26106-060202	BOLT, M6X 20 PLATED	10	10						
29	2	26106-080252	BOLT, M8X 25 PLATED	3	3						
</											

Fig.15. FUEL INJECTION VALVE

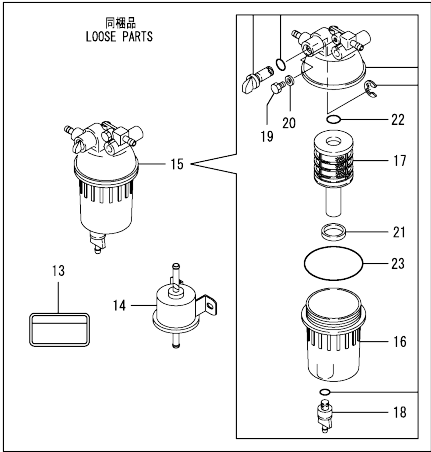
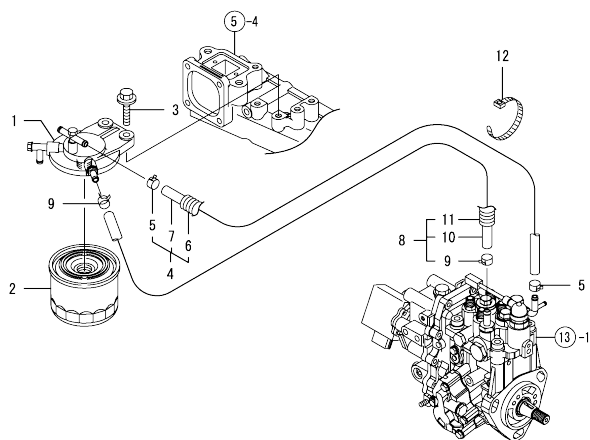


(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729509-53200	VALVE ASSY,INJECTION	4	4						
2	2	114250-53080	NUT, NOZZLE D16.95	4	4						
6	2	114250-53120	SPRING, NOZZLE	4	4						
7	2	114250-53130	SEAT, SPRING	4	4						
8	2	114250-53140	PLATE	4	4						
9	2	114250-53210	PIN	8	8						
10	2	129927-53300	VALVE ASSY,INJECTION	4	4						
13	2	114250-53400	SHIM SET	4	4						
25	1	123907-11601	SEAL	4	4						
26	1	119305-59120	RETAINER, PIPE	2	2						
29	2	129150-59131	BOLT, M4X14	2	2						
30	1	129550-59120	RETAINER, PIPE	1	1						
33	2	129150-59131	BOLT, M4X14	2	2						
35	1	129508-59910	PIPE ASSY, INJECTION	1	1						
36	1	129508-59920	PIPE ASSY, INJECTION	1	1						
37	1	129508-59930	PIPE ASSY, INJECTION	1	1						
38	1	129508-59940	PIPE ASSY, INJECTION	1	1						
39	1	123907-59540	BOLT, PIPE JOINT M6	5	5						
40	1	129508-59550	PIPE ASSY, RETURN	1	1						
41	2	123907-59550	GASKET	5	5						
42	1	129509-59550	PIPE ASSY, FUEL	1	1						
43	2	124722-59050	CLIP, HOSE 9	2	2						
46	1	123907-59560	JOINT	1	1						
47	1	22190-080002	WASHER, SEAL 6	1	1						

Fig.16. FUEL LINE

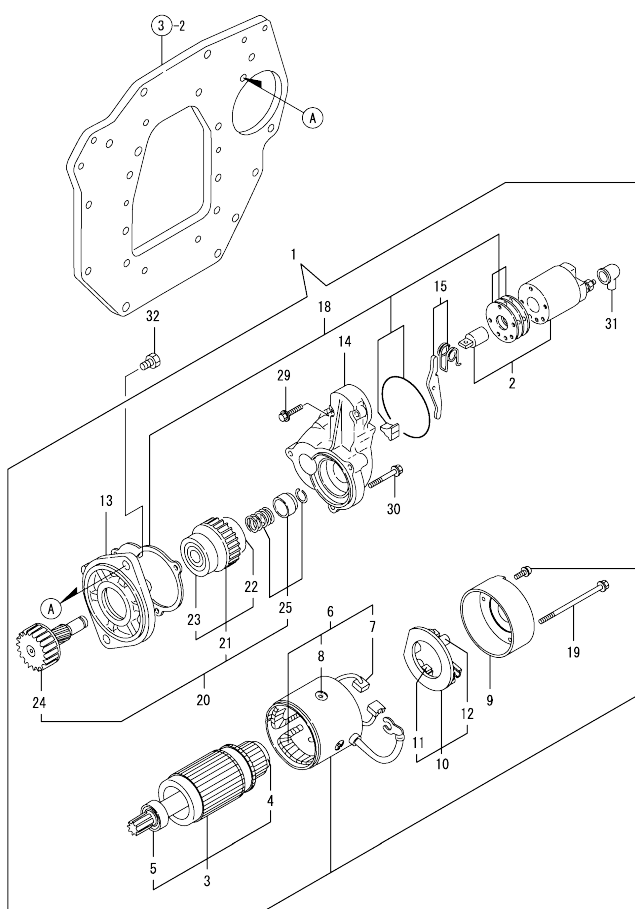


(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(C)=

(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	1						
2	1	119802-55810	FILTER,FO	1	1						
3	1	26106-080302	BOLT, M8X 30 PLATED	2	2						
4	1	129457-59010	PIPE ASSY, FUEL	1	1						
5	2	124766-59050	CLIP, HOSE 12	2	2						
6	2	129957-59120	TUBE, CORRUGATED	1	1						
7	2	105025-59750	PIPE, FUEL	1	1						
8	1	129961-59310	PIPE ASSY, FUEL	1	1						
9	2	124766-59050	CLIP, HOSE 12	2	2						
10	2	129136-59110	PIPE, D13/7.5X270	1	1						
11	2	129961-59110	TUBE, CORRUGATED	1	1						
12	1	121750-59890	BAND, 140	1	1						
13	1	114110-07760	LABEL, FUEL CAUTION	1	1						
14	1	119225-52102	PUMP ASSY, FUEL FEED	1	1						
15	1	129242-55700	SEPARATOR ASSY	1	1						
16	2	129242-55720	CUP	1	1						
17	2	129242-55730	ELEMENT	1	1						
18	2	129242-55740	PLUG, DRAIN	1	1						
19	2	129242-55750	VALVE, AIR VENT	1	1						
20	2	129242-55760	GASKET	1	1						
21	2	129242-55770	FLOAT	1	1						
22	2	24311-000160	O-RING, 1AP16.0	1	1						
23	2	24321-000750	O-RING, 1AG75.0	1	1						

Fig.17. STARTING MOTOR



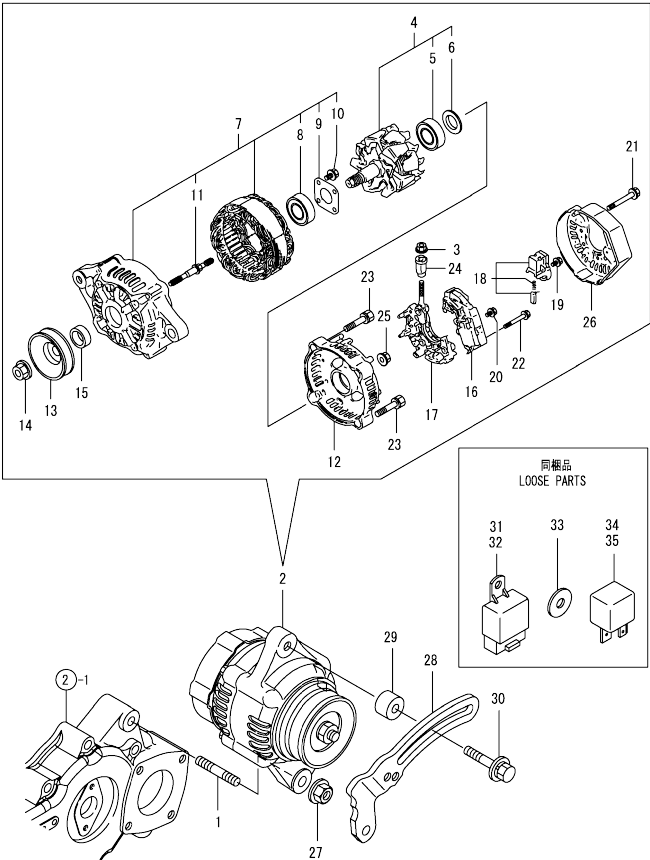
(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(C)=

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

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129136-77011	STARTER	1	1						
2	2	129136-77310	SWITCH ASSY	1	1						
3	2	129900-77400	ARMATURE ASSY	1	1						
4	3	X2130350900	BEARING, BALL	1	1						
5	3	X2114255110	BEARING, BALL	1	1						
6	2	129900-77440	COIL ASSY, FIELD	1	1						
7	3	129900-77450	BRUSH	2	2						
8	3	171008-77450	SCREW	4	4						
9	2	129900-77460	COVER	1	1						
10	2	129900-77480	HOLDER ASSY, BRUSH	1	1						
11	3	129900-77450	BRUSH	2	2						
12	3	129400-77490	SPRING	4	4						
13	2	171008-77510	CASE, GEAR	1	1						
14	2	129136-77520	HOUSING	1	1						
15	2	171008-77540	LEVER SET	1	1						
18	2	129400-77571	COVER ASSY, DUST	1	1						
19	2	129900-77640	BOLT, THROUGH	2	2						
20	2	171008-77650	PINION ASSY	1	1						
21	3	X2114555500	CLUTCH ASSY	1	1						
22	4	X2114955020	BEARING, BALL	1	1						
23	4	X2240410100	BEARING, BALL	1	1						
24	3	171008-77660	SHAFT	1	1						
25	3	171008-77670	STOPPER SET	1	1						
29	2	26106-060322	BOLT, M6X 32 PLATED	2	2						
30	2	26106-060402	BOLT, M6X 40 PLATED	3	3						
31	2	171008-77750	COVER	1	1						
32	1	26116-120202	BOLT, M12X 20 PLATED	2	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.18. GENERATOR



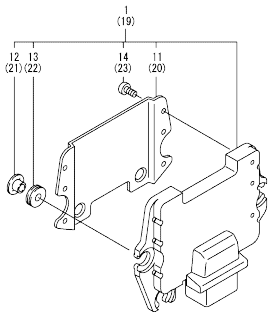
(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129795-01900	STUD	1	1						
2	1	119626-77210	ALTERNATOR, 12V-55A	1	1						
3	2	X9490561001	NUT	1	1						
4	2	129052-77380	ROTOR ASSY	1	1						
5	3	123501-79240	BEARING, BALL	1	1						
6	3	119620-79250	COVER	1	1						
7	2	129052-77422	FRAME ASSY	1	1						
8	3	119620-79200	BEARING, BALL	1	1						
9	3	119620-79210	PLATE, RETAINER	1	1						
10	3	119620-79220	SCREW	4	4						
11	3	119620-79230	STUD	2	2						
12	2	128401-77440	FRAME	1	1						
13	2	119620-77461	PULLEY	1	1						
14	2	119620-77471	NUT	1	1						
15	2	119620-77490	COLLAR	1	1						
16	2	119626-77710	REGULATOR ASSY	1	1						
17	2	129052-79260	HOLDER	1	1						
18	2	129052-79270	HOLDER, BRUSH	1	1						
19	2	119620-79290	SCREW	6	6						
20	2	119620-79300	SCREW	1	1						
21	2	119620-79310	BOLT	3	3						
22	2	119620-79320	SCREW	2	2						
23	2	119620-79330	BOLT	2	2						
24	2	119620-79340	BUSH, INSULATION	1	1						
25	2	119620-79350	NUT	2	2						
26	2	119626-77450	COVER	1	1						
27	1	26306-100002	NUT, M10	1	1						
28	1	129064-77330	ADJUSTER	1	1						
29	1	129067-77340	SPACER	1	1						
30	1	129972-77341	BOLT, ADJUSTER L=50	1	1						
31	1	198461-52950	RELAY, CA TYPE C	1	1						
32	1	198461-52950	RELAY, CA TYPE C	1	1						
33	1	129927-77690	WASHER	3	3						
34	1	129927-77920	RELAY	1	1						
35	1	129927-77920	RELAY	1	1						

0CW10-M46100 4TNV84T-ZDSA3D

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-M46100 Fig.19

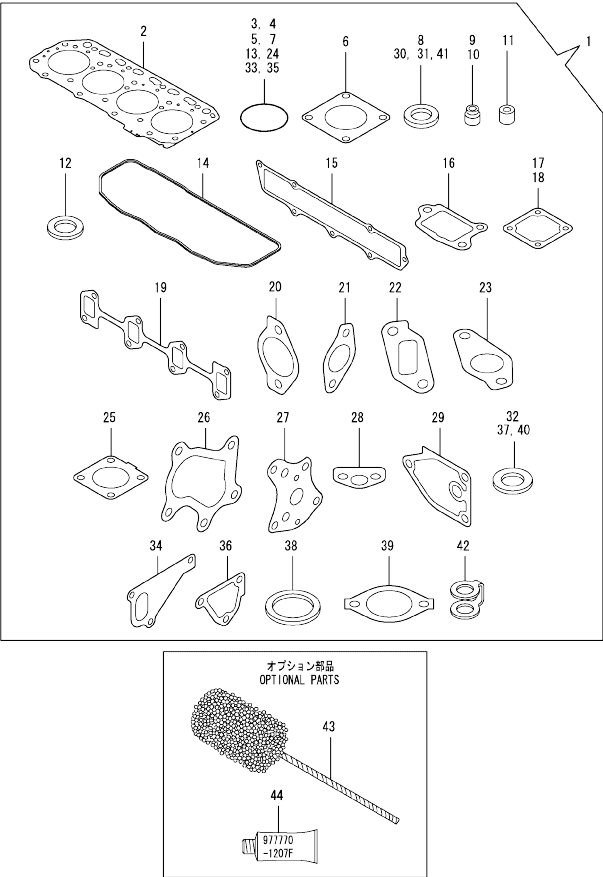
(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129588-75010	CONTROLLER ASSY, EUC	1	1						1
11	2	129927-77600	SHIELD	1	1						
12	2	129927-77680	COLLAR	3	3						
13	2	119578-91351	ABSORBER	3	3						
14	2	22877-500080	SCREW, 5X 8	6	6						
19	1	129927-75900	CONTROLLER ASSY, EUC	1	1						2
20	2	129927-77600	SHIELD	1	1						
21	2	129927-77680	COLLAR	3	3						
22	2	119578-91351	ABSORBER	3	3						
23	2	22877-500080	SCREW, 5X 8	6	6						

0CW10-M46100 4TNV84T-ZDSA3D

Fig.20. GASKET SET



Remarks
(1) OPTIONAL PART.

0CW10-M46100 Fig.20

(A)=4TNV84T-ZDSA3D
(B)=4TNV84T-ZDSA3DT
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729509-92630	GASKET SET	1	1						1
2	2	129508-01330	GASKET, HEAD	1	1						
3	2	119609-32040	O-RING, P16	2	2						
4	2	121850-51960	O-RING	1	1						
5	2	24311-000320	O-RING, 1AP32.0	2	2						
6	2	124240-01883	GASKET	1	1						
7	2	24341-000240	O-RING, 1AS24.0	1	1						
8	2	22190-220002	WASHER, SEAL 22	1	1						
9	2	119717-11340	SEAL, VALVE STEM	8	8						
10	2	119717-11350	SEAL, VALVE STEM	8	8						
11	2	119802-11870	PROTECTOR, NOZZLE	4	4						
12	2	119625-11880	SEAT, NOZZLE	4	4						
13	2	24311-000120	O-RING, 1AP12.0	7	7						
14	2	129508-11310	GASKET, BONNET	1	1						
15	2	129508-12110	GASKET, MANIFOLD	1	1						
16	2	129509-13720	GASKET	1	1						
17	2	129100-77510	GASKET	1	1						
18	2	129150-77511	GASKET	1	1						
19	2	129550-13110	GASKET	1	1						
20	2	129928-13410	GASKET	2	2						
21	2	129927-13810	GASKET	1	1						
22	2	129927-13910	GASKET	1	1						
23	2	129927-13920	GASKET	1	1						
24	2	24321-000800	O-RING, 1AG80.0	1	1						
25	2	129508-18080	GASKET	1	1						
26	2	129508-18090	GASKET	1	1						
27	2	129150-32020	GASKET, PUMP	1	1						
28	2	129150-35042	GASKET	1	1						
29	2	129150-35111	GASKET	1	1						
30	2	22190-080002	WASHER, SEAL 6	3	3						
31	2	22190-100002	WASHER, SEAL 10	2	2						
32	2	23414-100000	GASKET, 10X1.0	2	2						
33	2	24316-000160	O-RING, 4DP16.0	1	1						
34	2	129486-42021	GASKET, WATER PUMP	1	1						
35	2	129486-42140	O-RING, G30	1	1						
36	2	124395-49840	GASKET	1	1						
37	2	23414-080000	GASKET, 8X1.0	1	1						
38	2	129150-49811	GASKET, THERMOSTAT	1	1						
39	2	129795-49551	GASKET	1	1						
40	2	124465-44950	GASKET, 16	1	1						
41	2	22190-120002	WASHER, SEAL 12	1	1						
42	2	123907-59550	GASKET	5	5						
43	1	129400-92420	HONE	1	1						1
44	1	977770-1207F	GASKET.LIQUID	1	1						1

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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119620-79250	18	6
119620-79290	18	19
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119802-13820	6	7 -1

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129006-35100	10	24
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129008-61301	14	19
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129052-77380	18	4
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129150-02941	1	35
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129509-03080	5	21
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129550-59120	15	30
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129588-75010	19	1
129604-01520	2	4
129655-44740	12	26
129657-51590	13	67
129657-51600	13	68
129672-11510	4	37
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129693-44310	6	7
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