

0CW10-M45800EN

P R E F A C E

1. This Parts Catalog carries all parts incorporated in YANMAR Model 4TNV84T-ZDSA2D 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	Q'TY						I	R
				(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 $\xrightarrow{\text{No}}$ New	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\xrightarrow{\text{No}}$ New $\xrightarrow{\text{Yes}}$ New	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\xrightarrow{\text{Yes}}$ New $\xrightarrow{\text{Yes}}$ New	New/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New $\xrightarrow{\text{No}}$ New	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.

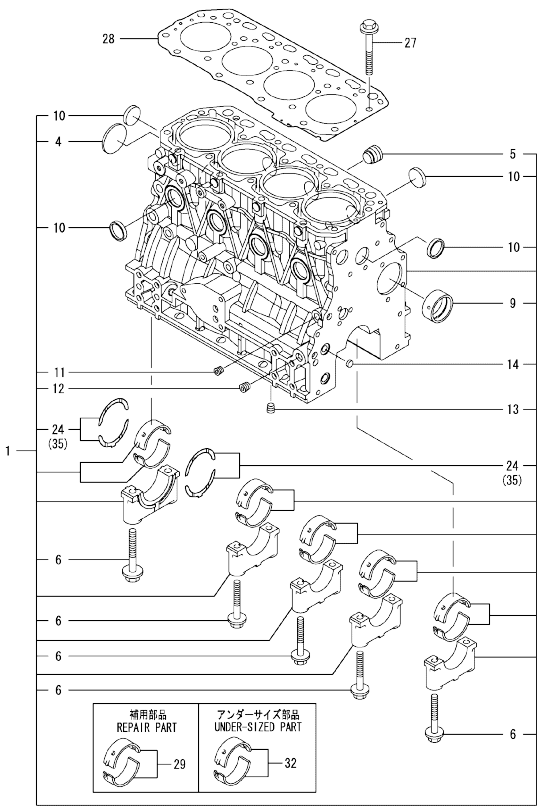
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

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0CW10-M45800

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4TNV84T-ZDSA2D			
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2.	GEAR HOUSING		
3.	FLYWHEEL HOUSING & 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		

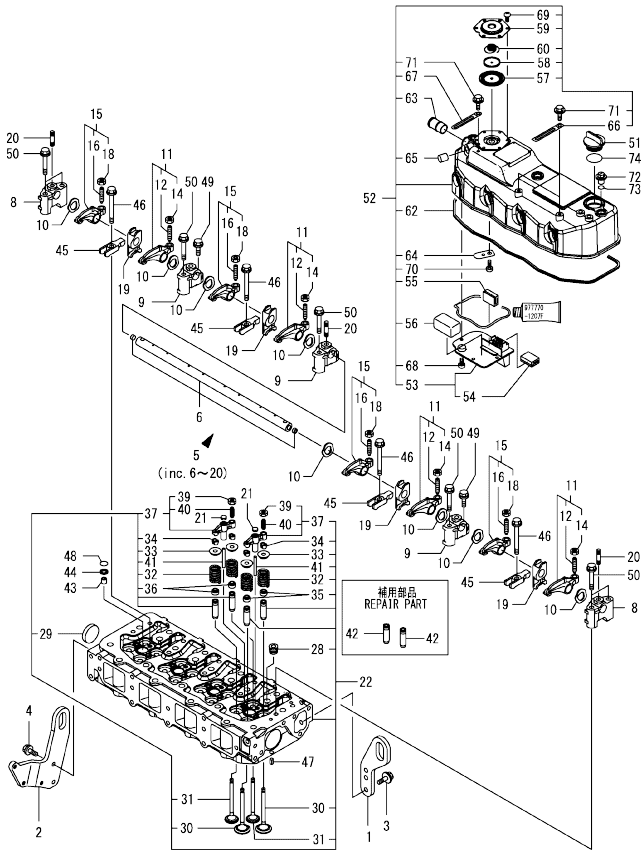
Fig.1. CYLINDER BLOCK



Remarks
(1) REPAIR 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	729509-01560	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	124160-01910	PLUG, PT1/4	1							
14	2	27241-120000	PLUG, 12	2							
24	2	129150-02931	BEARING, THRUST	2							
27	1	129150-01200	BOLT, HEAD	18							
28	1	129508-01330	GASKET, HEAD	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

Fig.4. CYLINDER HEAD & BONNET



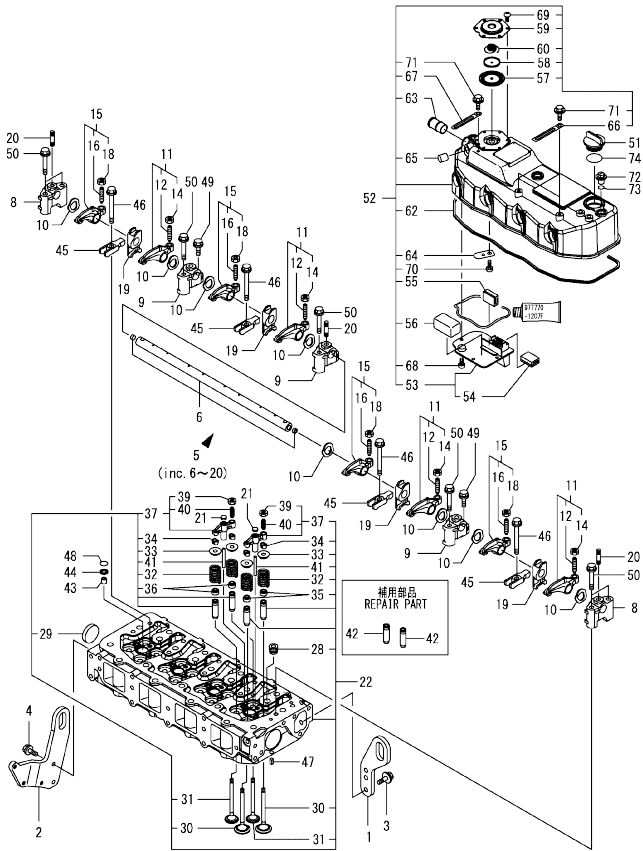
Remarks
(1) REPAIR PART.

		0CW10-M45800 Fig.4									
		(A)=4TNV84T-ZDSA2D		(D)=		(E)=		(F)=			
		(B)=		(C)=							
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129486-07901	LIFTER	1							
2	1	129928-07900	LIFTER	1							
3	1	26106-080162	BOLT, M8X 16 PLATED	2							
4	1	26106-080202	BOLT, M8X 20 PLATED	2							
5	1	129508-11241	SHAFT ASSY, ROCKER	1							
6	2	129508-11250	SHAFT, ROCKER ARM	1							
8	2	129508-11260	SUPPORT, ROCKER ARM	2							
9	2	129508-11270	SUPPORT, ROCKER ARM	3							
10	2	129508-11280	WASHER	8							
11	2	129508-11650	ARM, ROCKER	4							
12	3	129150-11230	SCREW, VALVE ADJUST	4							
14	3	129150-11750	NUT, M8	4							
15	2	129508-11660	ARM, ROCKER	4							
16	3	129150-11230	SCREW, VALVE ADJUST	4							
18	3	129150-11750	NUT, M8	4							
19	2	129508-11920	RETAINER	4							
20	2	26226-080352	STUD, M8X 35	3							
21	1	123907-11550	SEAT, VALVE BRIDGE	8							
22	1	129509-11700	HEAD ASSY, CYLINDER	1							
28	2	23876-020000	PLUG, R02	4							
29	2	27241-400000	PLUG, 40	2							
30	2	129508-11100	VALVE, INTAKE	8							
31	2	129508-11110	VALVE, EXHAUST	8							
32	2	129508-11130	SPRING, VALVE	16							
33	2	129508-11180	RETAINER, SPRING	16							
34	2	119717-11190	COTTER	32							
35	2	119717-11340	SEAL, VALVE STEM	8							
36	2	119717-11350	SEAL, VALVE STEM	8							
37	2	129672-11510	BRIDGE ASSY, VALVE	8							
39	3	129150-11750	NUT, M8	8							
40	3	123907-11830	ADJUSTER	8							
41	2	129508-11820	GUIDE	8							
42	1	119717-11800	GUIDE, VALVE	16							1
43	1	119802-11870	PROTECTOR, NOZZLE	4							
44	1	119625-11880	SEAT, NOZZLE	4							
45	1	129508-11900	RETAINER, NOZZLE	4							
46	1	129907-11950	BOLT, M8X75	4							
47	1	22351-060012	PIN, SPRING 6.0X12	2							
48	1	24311-000120	O-RING, 1AP12.0	4							
49	1	26106-080252	BOLT, M8X 25 PLATED	3							
50	1	26106-080502	BOLT, M8X 50 PLATED	7							
51	1	124160-01751	COVER, FILLER	1							
52	1	129509-11350	BONNET ASSY, HEAD	1							
53	2	129508-03010	PLATE	1							
54	3	119802-03070	BAFFLE, BREATHER	1							
55	2	129150-03070	BAFFLE, BREATHER	1							
56	2	129907-03070	BAFFLE, BREATHER	1							
57	2	123907-03100	DIAPHRAGM	1							
58	2	123907-03110	PLATE	1							
59	2	123907-03120	PLATE, BREATHER	1							
60	2	123907-03140	SPRING, DIAPHRAGM	1							

N:Old, $\frac{New}{Old}$:New, Q:Old, $\frac{New}{Old}$:New, R:Old, $\frac{New}{Old}$:New, S:Old, $\frac{New}{Old}$:New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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0CW10-M45800 4TNV84T-ZDSA2D

Fig.4. CYLINDER HEAD & BONNET



Remarks
(1) REPAIR PART.

0CW10-M45800 Fig.4

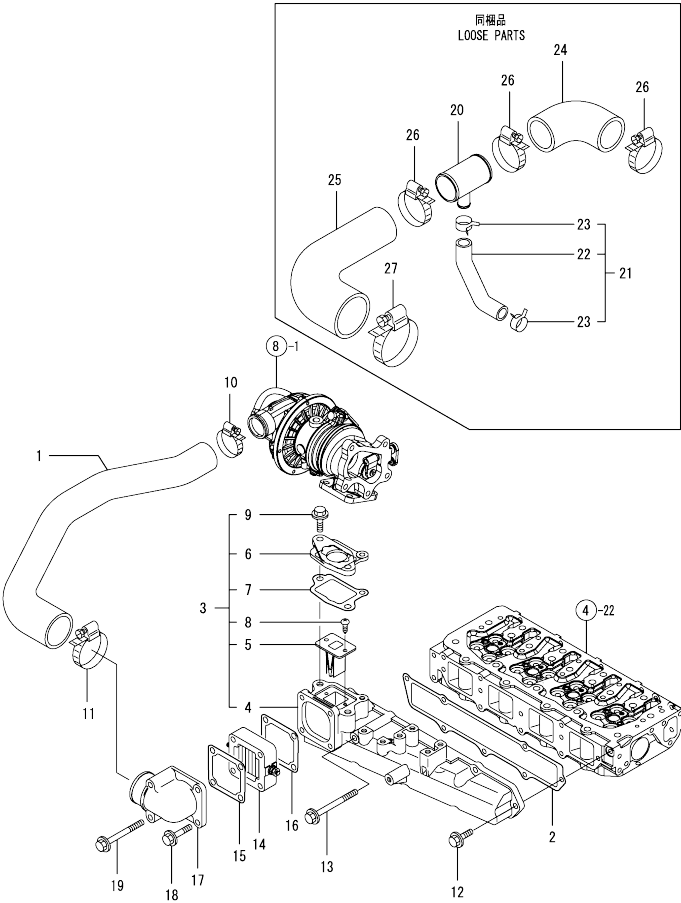
(A)=4TNV84T-ZDSA2D
(B)=
(C)=

(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							
63	2	129001-11340	PIPE , BREATHER	1							
64	2	129009-11340	SPRING	1							
65	2	119640-61400	PLUG	1							
66	2	129509-79700	CLIP	2							
67	2	175339-79700	CLIP	1							
68	2	22857-500100	SCREW, 5X10	4							
69	2	22857-500100	SCREW, 5X10	6							
70	2	22857-500100	SCREW, 5X10	1							
71	2	26106-060122	BOLT, M6X 12 PLATED	3							
72	1	124160-11360	KNOB	3							
73	1	24311-000120	O-RING, 1AP12.0	3							
74	1	24311-000320	O-RING, 1AP32.0	1							

N:Old $\frac{Y10}{10}$ New, Q:Old $\frac{H10}{10}$ New, R:Old $\frac{Y10}{10}$ New, S:Old $\frac{H10}{10}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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0CW10-M45800 4TNV84T-ZDSA2D
Fig.5. SUCTION MANIFOLD



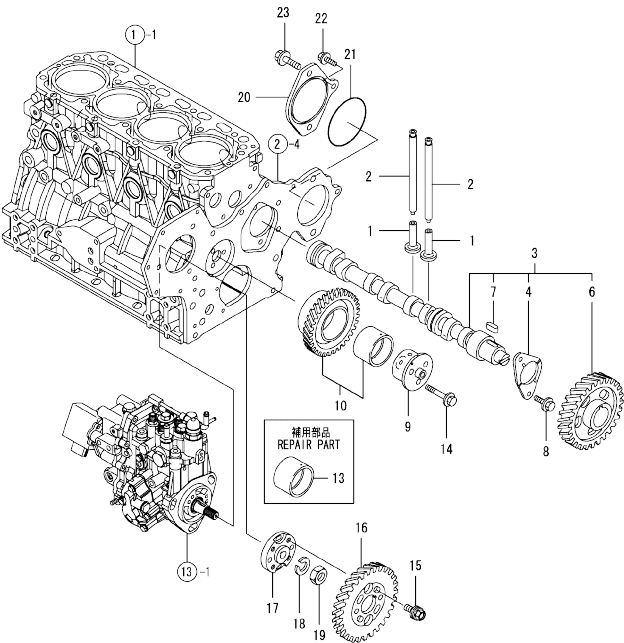
0CW10-M45800 Fig.5

(A)=4TNV84T-ZDSA2D
(B)=
(C)=

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

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

Fig.7. CAMSHAFT & DRIVING GEAR



Remarks
(1) REPAIR PART.

(A)=4TNV84T-ZDSA2D
(B)=
(C)=

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

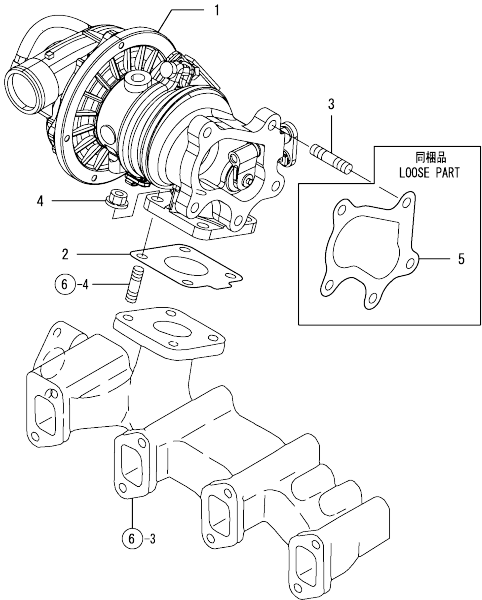
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	8							
2	1	129150-14400	ROD, PUSH L=178	8							
3	1	129508-14580	CAMSHAFT ASSY	1							
4	2	129150-02450	BEARING, THRUST	1							
6	2	129150-14101	GEAR, CAMSHAFT	1							
7	2	22512-070140	KEY, 7X 14	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	119802-25071	BUSH, IDLE GEAR	1							1
14	1	26106-080402	BOLT, M8X 40 PLATED	3							
15	1	129150-25301	BOLT	4							
16	1	119802-25901	GEAR, PUMP	1							
17	1	158552-51151	FLANGE	1							
18	1	22217-140000	WASHER, SPRING 14	1							
19	1	26776-140002	NUT, LOCK M14	1							
20	1	129430-26070	COVER	1							
21	1	24321-000800	O-RING, 1AG80.0	1							
22	1	26106-080252	BOLT, M8X 25 PLATED	1							
23	1	26106-100302	BOLT, M10X 30 PLATED	2							

Fig.8. TURBINE

(A)=4TNV84T-ZDSA2D
(B)=
(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							
2	1	129508-18080	GASKET	1							
3	1	129418-18320	STUD, M8X20	5							
4	1	26306-080002	NUT, M8	5							
5	1	129508-18090	GASKET	1							



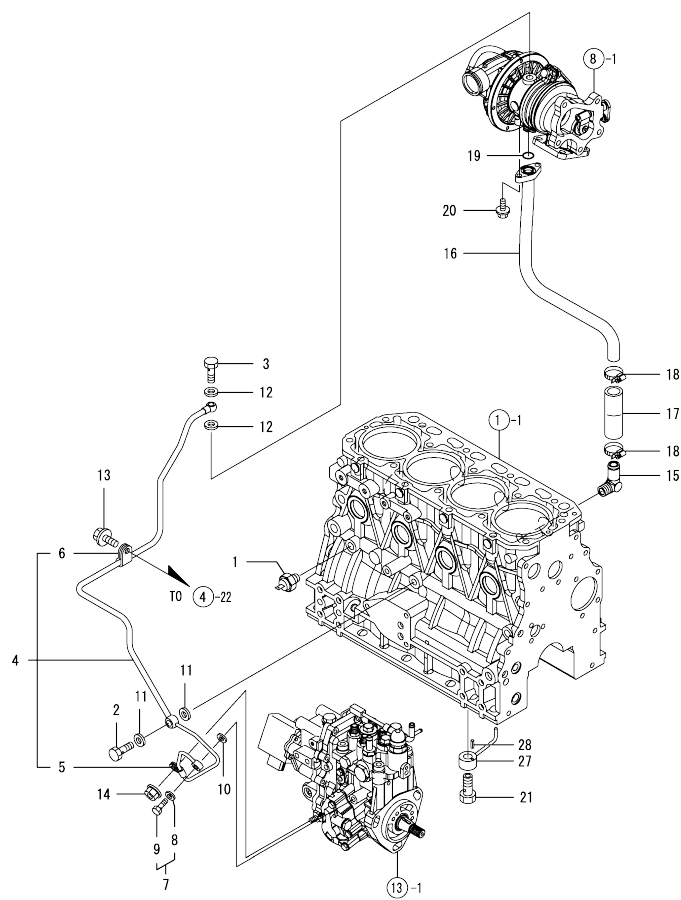


Remarks
(1) REPAIR PART.
(2) UNDER-SIZED(U.S=0.25)PART.
(3) OVER-SIZED(O.S=0.25)PART.

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

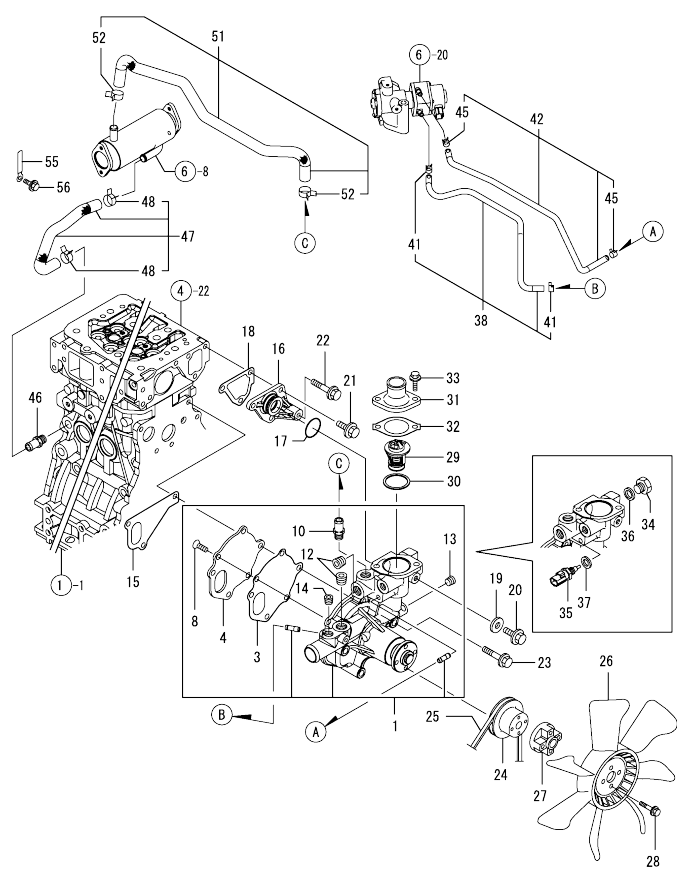
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129509-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	119803-21200	GEAR, CRANKSHAFT	1							
5	2	22512-070140	KEY, 7X 14	1							
7	1	22351-030010	PIN, SPRING 3.0X10	1							
8	1	119802-21650	V-PULLEY, 110	1							
9	1	129795-21661	WASHER	1							
10	1	121850-21680	BOLT	1							
11	1	121111-21501	BOLT, FLYWHEEL	6							
12	1	171420-21580	FLYWHEEL ASSY	1							
14	2	119865-21600	GEAR, RING	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							
30	1	129150-23611	BEARING, 0.25 US	4							2
32	1	729509-22900	PISTON ASSY, 0.25 OS	4							3
34	2	729509-22950	RING SET, 0.25 OS	4							

Fig.11. LUB.OIL LINE



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	129508-39450	PIPE ASSY, OIL	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 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	1							
14	1	26366-060002	NUT, M6	1							
15	1	124070-13300	ELBOW, PT3/8	1							
16	1	129508-39600	PIPE, OIL	1							
17	1	123901-39820	HOSE	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	4							
28	1	22351-030010	PIN, SPRING 3.0X10	4							

Fig.12. COOLING WATER SYSTEM



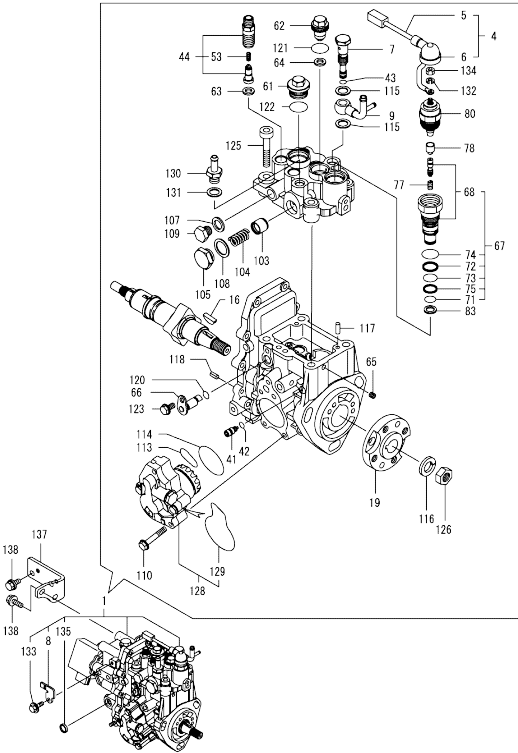
(A)=4TNV84T-ZDSA2D
(B)=
(C)=

(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							
3	2	129100-42051	GASKET, WATER PUMP	1							
4	2	129100-42121	PLATE	1							
8	2	121850-42410	SCREW	3							
10	2	129928-49420	JOINT	1							
12	2	129916-49740	PLUG, R03	2							
13	2	23876-010000	PLUG, R01	1							
14	2	23876-020000	PLUG, R02	1							
15	1	129486-42021	GASKET, WATER PUMP	1							
16	1	129004-42040	JOINT	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	129403-42380	V-PULLEY, D=110	1							
25	1	129258-42290	V-BELT, A36.5	1							
25-1	1	25152-003600	V-BELT, A36	1							N
(A=EXXXXXX)											
26	1	129655-44740	FAN, COOLING D380	1							
27	1	171353-44760	SPACER, FAN	1							
28	1	26106-060402	BOLT, M6X 40 PLATED	4							
29	1	129155-49801	THERMOSTAT, 71	1							
30	1	129150-49811	GASKET, THERMOSTAT	1							
31	1	129350-49530	COVER, THERMOSTAT	1							
32	1	129795-49551	GASKET	1							
33	1	26106-080222	BOLT, M8X 22 PLATED	2							
34	1	121450-42450	PLUG, M16	1							
35	1	129927-44900	SENSOR	1							
36	1	124465-44950	GASKET, 16	1							
37	1	22190-120002	WASHER, SEAL 12	1							
38	1	129509-49630	PIPE, WATER	1							
41	2	23080-012000	CLAMP, 12	2							
42	1	129509-49640	PIPE, WATER	1							
45	2	23080-012000	CLAMP, 12	2							
46	1	129928-49420	JOINT	1							
47	1	129509-49610	PIPE, WATER	1							
48	2	129960-03990	CLIP, HOSE 22	2							
51	1	129509-49620	PIPE, WATER	1							
52	2	129960-03990	CLIP, HOSE 22	2							
55	1	105430-67110	CLAMP, CORD	1							
56	1	26106-080122	BOLT, M8X 12 PLATED	1							

0CW10-M45800 4TNV84T-ZDSA2D

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-M45800 Fig.13

(A)=4TNV84T-ZDSA2D
(B)=
(C)=

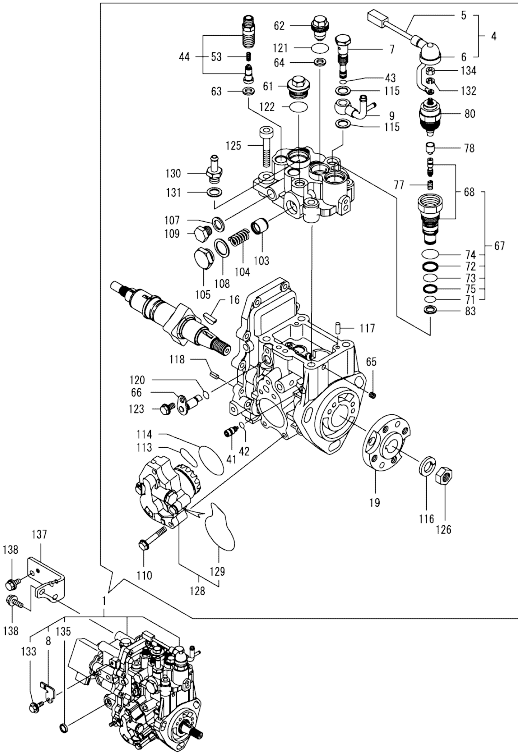
(D)=
(E)=
(F)=

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

N:Old $\frac{New}{Old}$ New, Q:Old $\frac{New}{Old}$ New, R:Old $\frac{New}{Old}$ New, S:Old $\frac{New}{Old}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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0CW10-M45800 4TNV84T-ZDSA2D

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-M45800 Fig.13

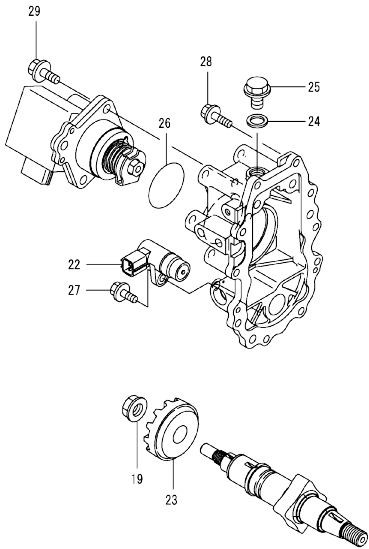
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(B)=
(C)=

(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							
130	2	119934-59910	JOINT, PIPE	1							
131	2	22190-120002	WASHER, SEAL 12	1							
132	2	22217-050000	WASHER, SPRING 5	1							
133	2	26106-060142	BOLT, M6X 14 PLATED	1							
134	2	26716-050002	NUT, M5	1							
135	2	27241-160000	PLUG, 16	1							
137	1	129263-51251	RETAINER, PUMP	1							
138	1	26106-080162	BOLT, M8X 16 PLATED	4							

0CW10-M45800 4TNV84T-ZDSA2D

Fig.14. GOVERNOR



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

0CW10-M45800 Fig.14

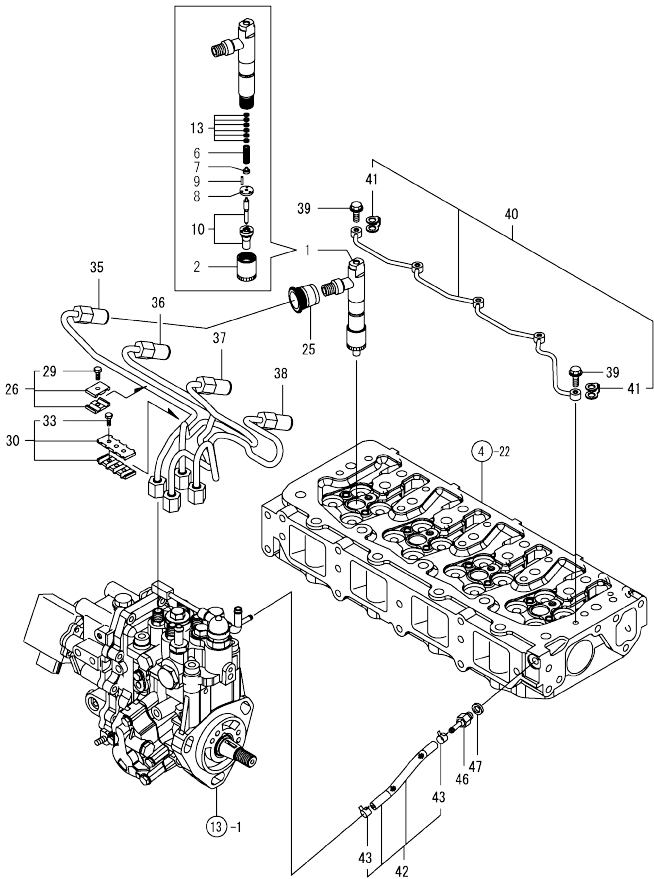
(A)=4TNV84T-ZDSA2D
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
19	2	129008-61301	NUT	1							
22	2	158557-61720	SENSOR	1							
23	2	158553-61780	GEAR, SENSOR	1							
24	2	22190-120000	WASHER, SEAL 12	1							
25	2	23887-120002	PLUG, 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							

N:Old $\frac{YBS}{100}$ New, Q:Old $\frac{H0}{100}$ New, R:Old $\frac{YBS}{100}$ New, S:Old $\frac{H0}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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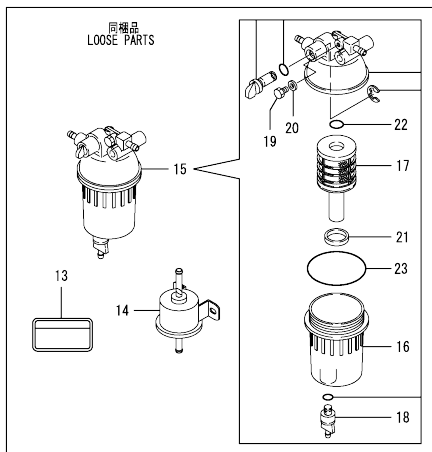
Fig.15. FUEL INJECTION VALVE



(A)=4TNV84T-ZDSA2D
(B)=
(C)=

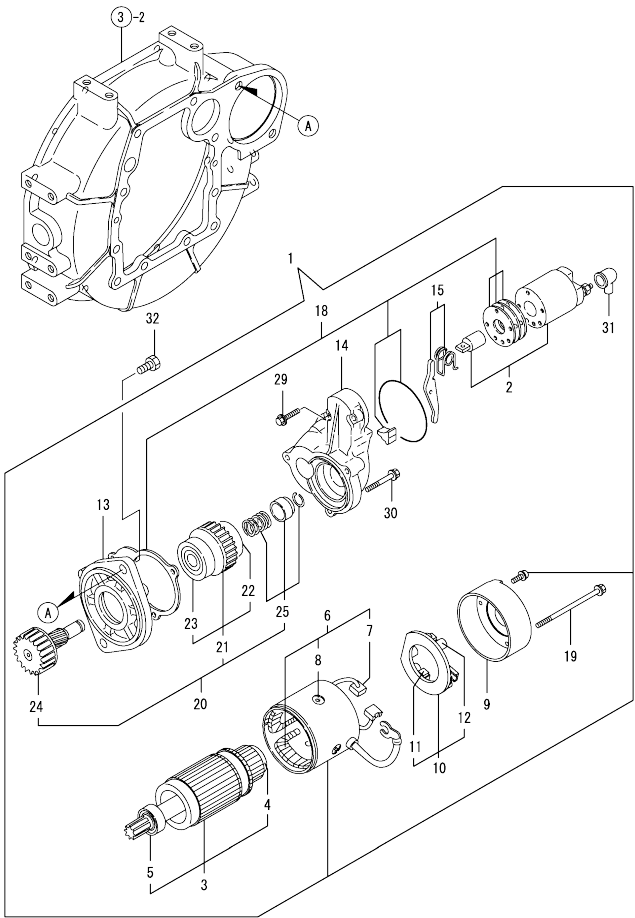
(D)=
(E)=
(F)=

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



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-55612	BRACKET, FILTER	1							
2	1	119802-55810	FILTER,FO	1							
3	1	26106-080302	BOLT, M&X 30 PLATED	2							
4	1	129457-59010	PIPE ASSY, FUEL	1							
5	2	124766-59050	CLIP, HOSE 12	2							
6	2	129957-59120	TUBE, CORRUGATED	1							
7	2	105025-59750	PIPE, FUEL	1							
8	1	129961-59310	PIPE ASSY, FUEL	1							
9	2	124766-59050	CLIP, HOSE 12	2							
10	2	129136-59110	PIPE, D13/7.5X270	1							
11	2	129961-59110	TUBE, CORRUGATED	1							
12	1	121750-59890	BAND, 140	1							
13	1	114110-07760	LABEL, FUEL CAUTION	1							
14	1	119225-52102	PUMP ASSY, FUEL FEED	1							
15	1	129242-55700	SEPARATOR ASSY	1							
16	2	129242-55720	CUP	1							
17	2	129242-55730	ELEMENT	1							
18	2	129242-55740	PLUG, DRAIN	1							
19	2	129242-55750	VALVE, AIR VENT	1							
20	2	129242-55760	GASKET	1							
21	2	129242-55770	FLOAT	1							
22	2	24311-000160	O-RING, 1AP16.0	1							
23	2	24321-000750	O-RING, 1AG75.0	1							

0CW10-M45800 4TNV84T-ZDSA2D
Fig.17. STARTING MOTOR



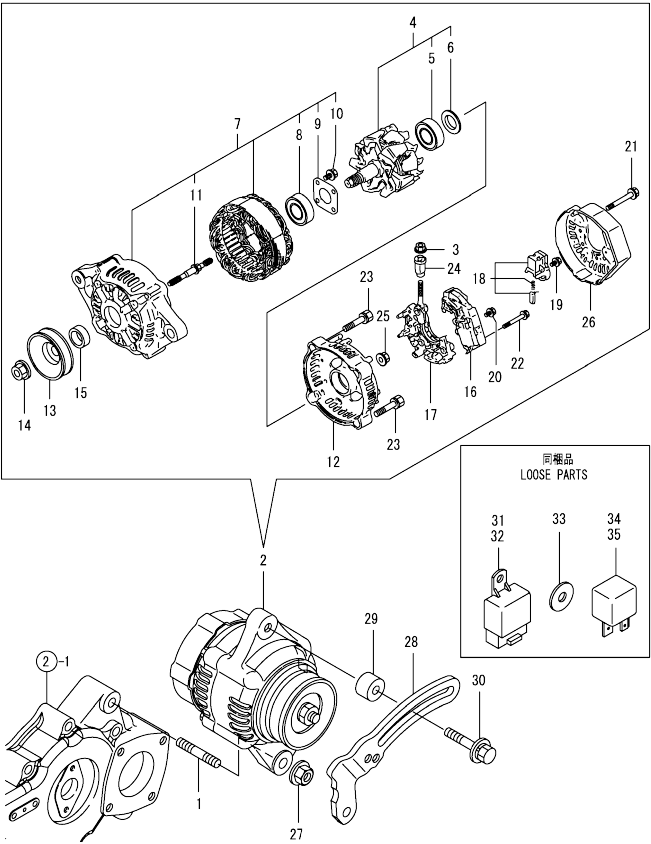
0CW10-M45800 Fig.17

(A)=4TNV84T-ZDSA2D
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129136-77011	STARTER	1							
2	2	129136-77310	SWITCH ASSY	1							
3	2	129900-77400	ARMATURE ASSY	1							
4	3	X2130350900	BEARING, BALL	1							
5	3	X2114255110	BEARING, BALL	1							
6	2	129900-77440	COIL ASSY, FIELD	1							
7	3	129900-77450	BRUSH	2							
8	3	171008-77450	SCREW	4							
9	2	129900-77460	COVER	1							
10	2	129900-77480	HOLDER ASSY, BRUSH	1							
11	3	129900-77450	BRUSH	2							
12	3	129400-77490	SPRING	4							
13	2	171008-77510	CASE, GEAR	1							
14	2	129136-77520	HOUSING	1							
15	2	171008-77540	LEVER SET	1							
18	2	129400-77571	COVER ASSY, DUST	1							
19	2	129900-77640	BOLT, THROUGH	2							
20	2	171008-77650	PINION ASSY	1							
21	3	X2114555500	CLUTCH ASSY	1							
22	4	X2114955020	BEARING, BALL	1							
23	4	X2240410100	BEARING, BALL	1							
24	3	171008-77660	SHAFT	1							
25	3	171008-77670	STOPPER SET	1							
29	2	26106-060322	BOLT, M6X 32 PLATED	2							
30	2	26106-060402	BOLT, M6X 40 PLATED	3							
31	2	171008-77750	COVER	1							
32	1	26116-120252	BOLT, M12X 25 PLATED	2							

Fig.18. GENERATOR



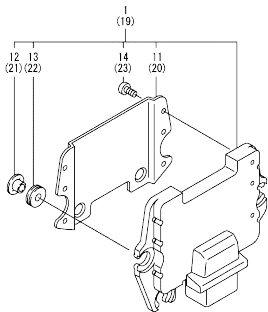
(A)=4TNV84T-ZDSA2D
(B)=
(C)=

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

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

0CW10-M45800 4TNV84T-ZDSA2D

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.

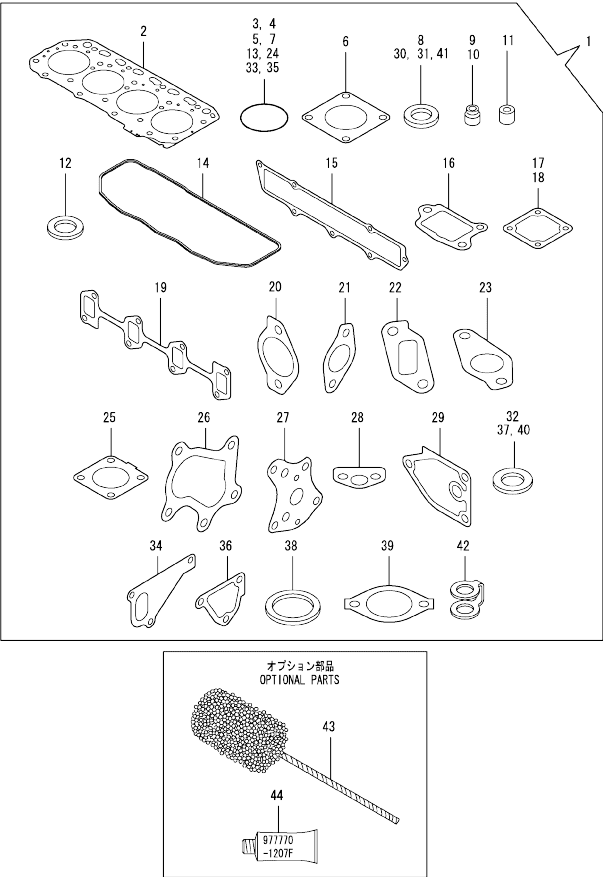
0CW10-M45800 Fig.19

(A)=4TNV84T-ZDSA2D
(B)=
(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
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 PART.

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

Parts No. Index

Parts No.	Fig. No.	Ref. No.
105025-59750	16	7
105430-67110	12	55
114110-07760	16	13
114250-53080	15	2
114250-53120	15	6
114250-53130	15	7
114250-53140	15	8
114250-53210	15	9
114250-53400	15	13
119225-52102	16	14
119305-59120	15	26
119578-91351	19	13
		22
119609-32040	2	9
	20	3
119620-01750	3	3
119620-77461	18	13
119620-77471	18	14
119620-77490	18	15
119620-79200	18	8
119620-79210	18	9
119620-79220	18	10
119620-79230	18	11
119620-79250	18	6
119620-79290	18	19
119620-79300	18	20
119620-79310	18	21
119620-79320	18	22
119620-79330	18	23
119620-79340	18	24
119620-79350	18	25
119625-11880	4	44
	20	12
119626-77210	18	2
119626-77450	18	26
119626-77710	18	16
119640-01640	3	8
119640-61400	4	65
119717-11190	4	34
119717-11340	4	35
	20	9
119717-11350	4	36
	20	10
119717-11800	4	42
119761-39450	11	1
119802-01561	2	5
119802-03070	4	54
119802-11870	4	43
	20	11
119802-13790	6	11

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119802-21650	9	8
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119802-25901	7	16
119802-35110	10	25
119802-39500	11	5
119802-51090	13	16
119802-51560	13	62
119802-51680	13	72
119802-51690	13	73
119802-55810	16	2
119803-21200	9	4
119803-25050	7	9
119852-51630	13	77
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119865-21600	9	14
119934-01800	2	3
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121111-21501	9	11
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121450-42450	12	34
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121550-23200	9	26
121750-59890	16	12
121850-21680	9	10
121850-42410	12	8
121850-51960	2	10
	20	4
123501-79240	18	5
123900-13630	6	6
123901-39820	11	17
123907-03100	4	57
123907-03110	4	58
123907-03120	4	59
123907-03140	4	60
123907-11550	4	21
123907-11601	15	25
123907-11830	4	40
123907-59540	15	39
123907-59550	15	41
	20	42
123907-59560	15	46
124060-01050	1	11
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		19
124240-01883	2	20
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124395-49840	12	18
	20	36
124465-44950	12	36
	20	40
124722-59050	15	43
124766-59050	16	5
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128401-77440	18	12
129001-01250	1	4
129001-02931	1	29
129001-11340	4	63
129004-34802	10	16
129004-42040	12	16
129004-55612	16	1
129005-59830	11	7
129006-35100	10	24
129006-44480	10	29
129008-51390	13	44
129008-61301	14	19
129009-11340	4	64
129052-77380	18	4
129052-77422	18	7
129052-79260	18	17
129052-79270	18	18
129064-77330	18	28
129067-77340	18	29
129100-01580	3	1
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129100-01640	9	2
129100-23910	3	15
129100-42051	12	3
129100-42121	12	4
129100-77501	5	14
129100-77510	5	15
	20	17
129103-49301	10	39
129136-59110	16	10
129136-77011	17	1
129136-77310	17	2
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129150-02871	1	32
129150-02931	1	24
129150-02941	1	35
129150-03070	4	55
129150-11230	4	12
		16
129150-11750	4	14
		18
		39
129150-14101	7	6
129150-14200	7	1
129150-14400	7	2
129150-23601	9	27
129150-23611	9	30
129150-25301	7	15
129150-32020	10	14
	20	27
129150-35042	10	18
	20	28
129150-35111	10	27
	20	29
129150-35170	10	28
129150-49811	12	30
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129150-59131	15	29
		33
129150-77511	5	16
	20	18
129155-49801	12	29
129202-22300	9	21
129242-55700	16	15
129242-55720	16	16
129242-55730	16	17
129242-55740	16	18
129242-55750	16	19
129242-55760	16	20
129242-55770	16	21
129258-42290	12	25
129263-51251	13	137
129263-77941	13	6
129350-49530	12	31
129400-01730	3	6
129400-01770	3	7
129400-77490	17	12
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129418-32000	10	1
129430-26070	7	20
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129436-35091	10	19
129457-59010	16	4
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129486-07901	4	1
129486-42021	12	15
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129508-03010	4	53
129508-11100	4	30
129508-11110	4	31
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129508-11180	4	33
129508-11241	4	5
129508-11250	4	6
129508-11260	4	8
129508-11270	4	9
129508-11280	4	10
129508-11310	4	62
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129508-11650	4	11
129508-11660	4	15
129508-11820	4	41
129508-11900	4	45
129508-11920	4	19
129508-12110	5	2
	20	15
129508-14580	7	3
129508-18010	8	1
129508-18080	8	2
	20	25
129508-18090	8	5
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129508-33010	10	21
129508-33050	10	22
129508-39450	11	4
129508-39600	11	16
129508-49030	10	30
129508-49040	10	34

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129508-59920	15	36
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129509-03050	5	20
129509-03080	5	21
129509-03090	5	22
129509-11350	4	52
129509-11700	4	22
129509-12060	5	1
129509-12070	5	24
129509-12080	5	25
129509-12100	5	4
129509-12150	5	3
129509-13100	6	3
129509-13150	6	2
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129509-79700	4	66
129550-13110	6	1
	20	19
129550-59120	15	30
129553-39650	11	27
129588-75010	19	1
129604-01520	2	4
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129655-44740	12	26
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129688-01780	3	7 -1
129693-44310	6	7
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129900-77460	17	9
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129907-03070	4	56
129907-11950	4	46
129916-49740	12	12
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129927-13900	6	20
129927-13910	6	21
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129927-13920	6	22
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129927-44900	12	35
129927-51650	13	4
129927-51660	13	5
129927-51670	13	8
129927-53300	15	10
129927-75900	19	19
129927-77600	19	11
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129927-77680	19	12
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129927-77690	18	33
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129928-07900	4	2
129928-13410	6	9
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129957-59120	16	6
129960-03990	12	48
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129961-59110	16	11
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158552-52500	13	129
158553-51670	13	71
158553-51680	13	83
158553-51770	13	110
158553-61780	14	23
158557-51570	13	65
158557-61720	14	22
158563-51281	13	42
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158563-51330	13	53
158600-51270	13	41
158601-51550	13	61
158601-51650	13	7
158601-51770	13	103
158601-51790	13	105
171008-03990	10	31
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171008-77450	17	8
171008-77510	17	13
171008-77540	17	15
171008-77650	17	20
171008-77660	17	24
171008-77670	17	25
171008-77750	17	31
171051-01921	1	5
171056-49120	10	41
171340-77520	5	17
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171420-21580	9	12
175339-79700	4	67
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	11	8
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22190-220002	3	10		20	24	26106-080502	3	20			
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22252-000260	9	22	24356-010200	13	74	26106-080602	12	23			
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22351-030010	9	7	24372-000150	13	75	26106-080852	2	17			
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22351-050010	13	118	26106-060102	13	123	26106-100252	6	18			
22351-060012	4	47	26106-060122	4	71	26106-100302	7	23			
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	9	5	26106-060162	2	24	26106-101052	6	24			
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		69		14	27	26206-100252	3	4			
		70	26106-060202	14	28	26206-100302	3	5			
22857-500160	5	8	26106-060322	17	29	26226-080352	4	20			
22877-500080	19	14	26106-060402	12	28	26306-080002	2	18			
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23000-080000	5	27	26106-080162	2	13	26450-080452	13	125			
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		45			21	26776-140002	7	19			
23080-015000	10	33		3	11		13	126			
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23414-080000	12	19		12	21	27241-160000	13	135			
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23414-100000	11	12	26106-080202	4	4	27241-400000	4	29			
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23857-030000	11	9			12	729509-01560	1	1			
23876-010000	12	13		10	40	729509-22900	9	32			
23876-020000	4	28	26106-080222	12	33	729509-22950	9	34			
	12	14	26106-080252	3	12	729509-51300	13	1			
23887-120002	13	109		4	49	729509-53200	15	1			
	14	25		7	22	729509-92630	20	1			
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