

0CW10-M29700EN

PREFACE

1. This parts catalog is the 1st edition of 4TNV84T-MWA for Thwaites Limited.

Pub.No. : 000Y00W2970

Published : January, 2008

2. Model name

Engine model	Vehicle	Vehicle made by
4TNV84T-MWA	Dumper Truck	Thwaites Limited

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.

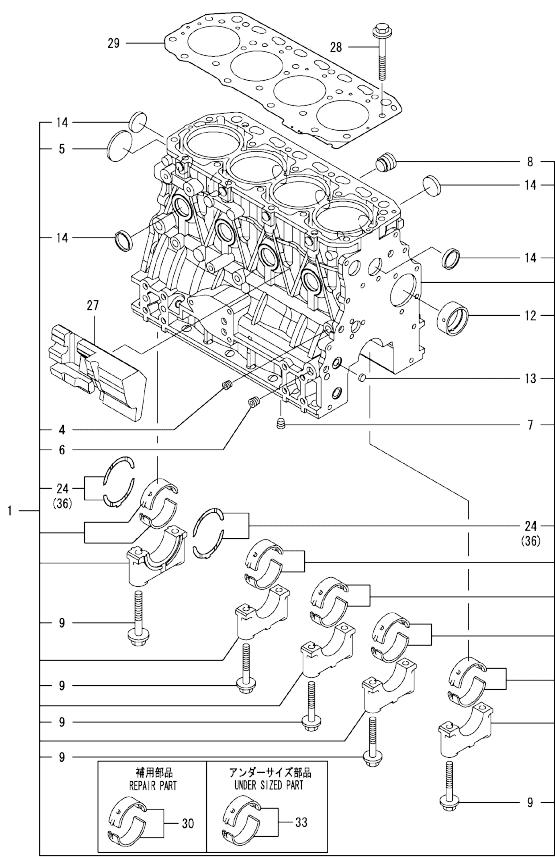
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

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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		
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13.	FUEL INJECTION PUMP		
14.	GOVERNOR		
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16.	FUEL LINE		
17.	STARTING MOTOR		
18.	GENERATOR		
19.	GASKET SET		

Fig.1. CYLINDER BLOCK



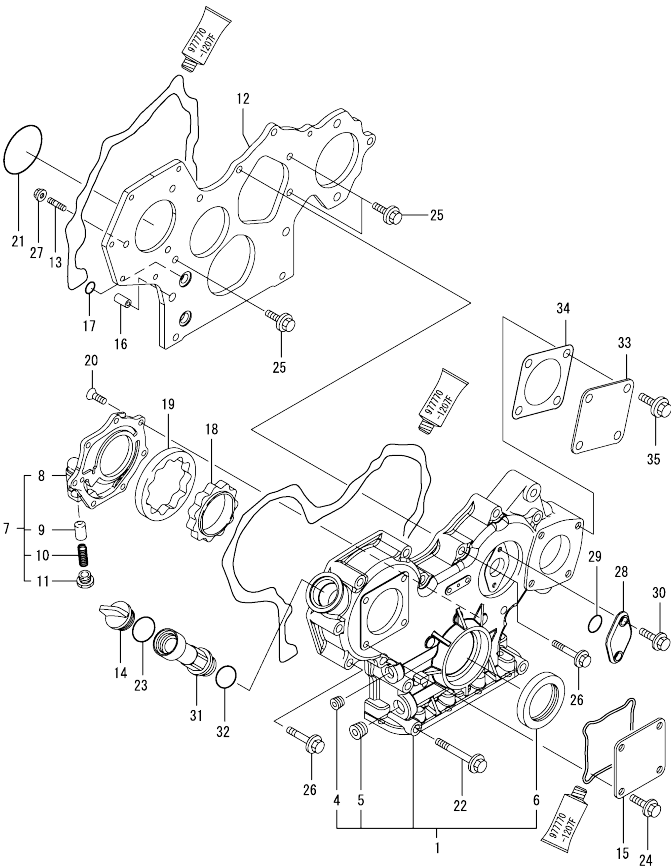
Remarks
(1) REPAIR PART.
(2) UNDER-SIZED(U.S=0.25)PART.
(3) OVER-SIZED(O.S=0.25)PART.

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729508-01560	BLOCK ASSY, CYLINDER	1							
4	2	124060-01050	PLUG, PT1/8	1							
5	2	129001-01250	PLUG, 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, THRUST	2							
27	1	129004-01190	SPACER	1							
28	1	129150-01200	BOLT, HEAD	18							
29	1	129508-01330	GASKET, HEAD	1							
30	1	129001-02931	BEARING, MAIN	5							1
33	1	129150-02871	BEARING, 0.25 US	5							2
36	1	129150-02941	BEARING, THRUST 0.25	1							3

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Fig.2. GEAR HOUSING



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729648-01520	CASE ASSY, GEAR	1							
4	2	23876-030000	PLUG, R03	1							
5	2	23876-040000	PLUG, R04	1							
6	2	119934-01800	SEAL, OIL	1							
7	1	119802-32100	COVER ASSY	1							
8	2	119802-32070	COVER	1							
9	2	129900-32130	VALVE, RELIEF	1							
10	2	129418-32320	SPRING	1							
11	2	129001-32330	PLUG	1							
12	1	129005-01520	FLANGE, GEAR CASE	1							
13	1	119802-01561	STUD, M8X25	3							
14	1	124160-01751	COVER, FILLER	1							
15	1	124240-01871	COVER	1							
16	1	129795-01950	PIPE, KNOCK L=18	2							
17	1	119609-32040	O-RING, P16	4							
18	1	129508-32111	ROTOR, INNER	1							
19	1	129508-32120	ROTOR, OUTER	1							
20	1	119802-32130	SCREW, M6X16	7							
21	1	121850-51960	O-RING	1							
22	1	129001-91841	BOLT, M8X85	3							
23	1	24311-000320	O-RING, 1AP32.0	1							
24	1	26106-080162	BOLT, M8X 16 PLATED	4							
25	1	26106-080162	BOLT, M8X 16 PLATED	3							
26	1	26106-080552	BOLT, M8X 55 PLATED	11							
27	1	26306-080002	NUT, M8	3							
28	1	121023-01551	COVER	1							
29	1	24341-000240	O-RING, 1AS24.0	1							
30	1	26106-060162	BOLT, M6X 16 PLATED	2							
31	1	171031-11741	PIPE	1							
32	1	24311-000320	O-RING, 1AP32.0	1							
33	1	124240-01871	COVER	1							
34	1	124240-01883	GASKET	1							
35	1	26106-080122	BOLT, M8X 12 PLATED	4							

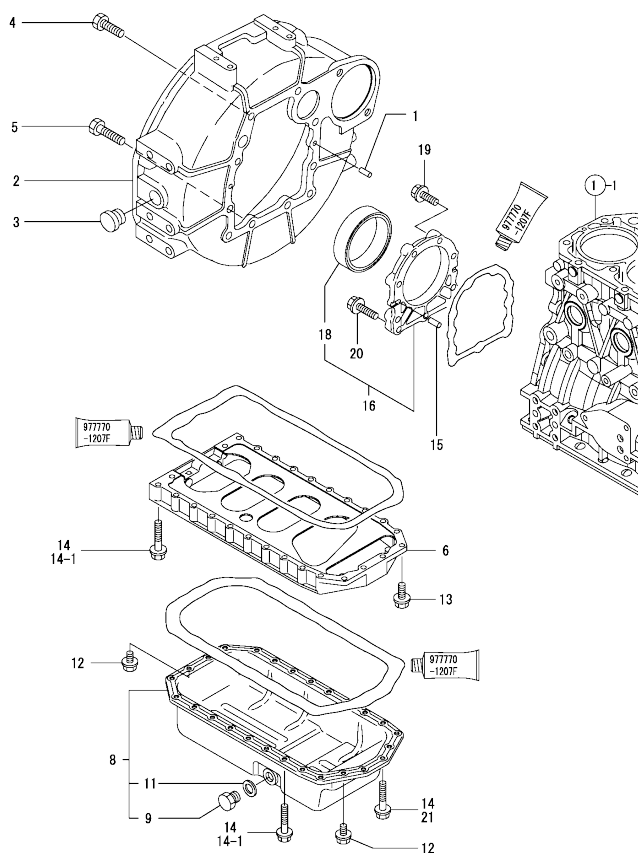
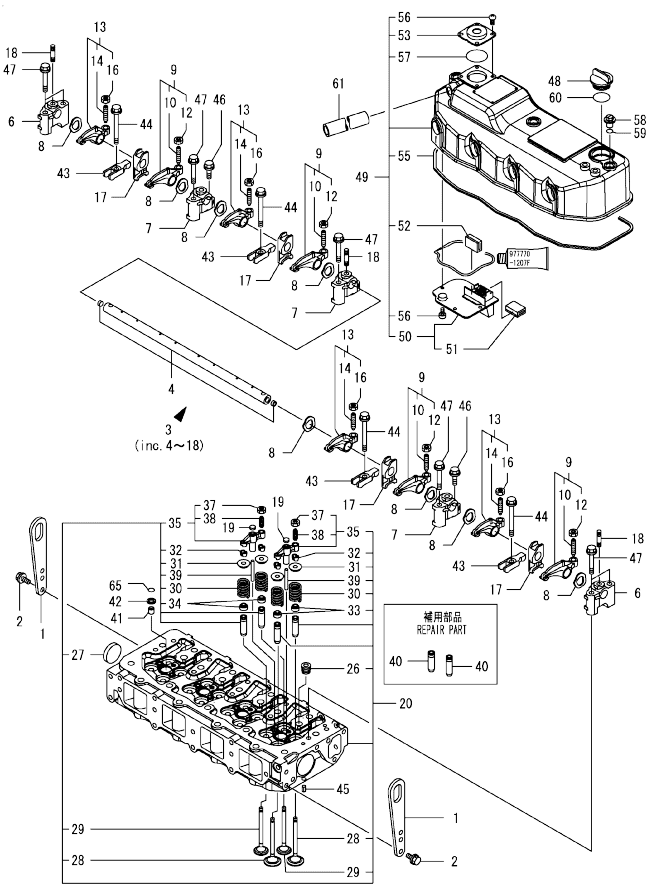
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Fig.4. CYLINDER HEAD & BONNET



Remarks
(1) REPAIR PART.

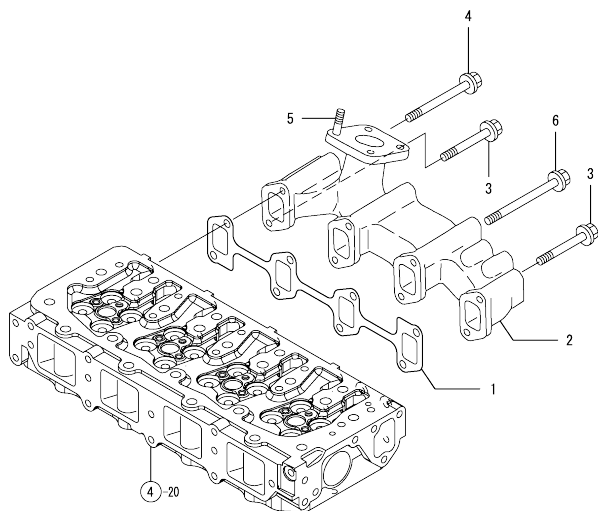
(A)=4TNV84T-MWA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER	2							
2	1	26106-080162	BOLT, M8X 16 PLATED	4							
3	1	129508-11241	SHAFT ASSY, ROCKER	1							
4	2	129508-11250	SHAFT, ROCKER ARM	1							
6	2	129508-11260	SUPPORT, ROCKER ARM	2							
7	2	129508-11270	SUPPORT, ROCKER ARM	3							
8	2	129508-11280	WASHER	8							
9	2	129508-11650	ARM, ROCKER	4							
10	3	129150-11230	SCREW, VALVE ADJUST	4							
12	3	129150-11750	NUT, M8	4							
13	2	129508-11660	ARM, ROCKER	4							
14	3	129150-11230	SCREW, VALVE ADJUST	4							
16	3	129150-11750	NUT, M8	4							
17	2	129508-11920	RETAINER	4							
18	2	26226-080352	STUD, M8X 35	3							
19	1	123907-11550	SEAT, VALVE BRIDGE	8							
20	1	129508-11700	HEAD ASSY, CYLINDER	1							
26	2	23876-020000	PLUG, R02	4							
27	2	27241-400000	PLUG, 40	2							
28	2	129508-11100	VALVE, INTAKE	8							
29	2	129508-11110	VALVE, EXHAUST	8							
30	2	129508-11130	SPRING, VALVE	16							
31	2	129508-11180	RETAINER, SPRING	16							
32	2	119717-11190	COTTER	32							
33	2	119717-11340	SEAL, VALVE STEM	8							
34	2	119717-11350	SEAL, VALVE STEM	8							
35	2	129672-11510	BRIDGE ASSY, VALVE	8							
37	3	129150-11750	NUT, M8	8							
38	3	123907-11830	ADJUSTER	8							
39	2	129508-11820	GUIDE	8							
40	1	119717-11800	GUIDE, VALVE	16							1
41	1	119802-11870	PROTECTOR, NOZZLE	4							
42	1	119625-11880	SEAT, NOZZLE	4							
43	1	129508-11900	RETAINER, NOZZLE	4							
44	1	129907-11950	BOLT, M8X75	4							
45	1	22351-060012	PIN, SPRING 6.0X12	2							
46	1	26106-080252	BOLT, M8X 25 PLATED	3							
47	1	26106-080502	BOLT, M8X 50 PLATED	7							
48	1	124160-01751	COVER, FILLER	1							
49	1	129508-11350	BONNET ASSY, HEAD	1							
50	2	129508-03010	PLATE	1							
51	3	119802-03070	BAFFLE, BREATHER	1							
52	2	129150-03070	BAFFLE, BREATHER	1							
53	2	129006-03120	COVER, DIAPHRAGM	1							
55	2	129508-11310	GASKET, BONNET	1							
56	2	22857-500100	SCREW, 5X10	8							
57	2	24341-000400	O-RING, 1AS40.0	1							
58	1	124160-11360	KNOB	3							
59	1	24311-000120	O-RING, 1AP12.0	3							
60	1	24311-000320	O-RING, 1AP32.0	1							
61	1	129150-03090	HOSE, ID16X2T	1							

N:Old, New, Q:Old, R:Old, S:Old, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++

Fig.6. EXHAUST MANIFOLD



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

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

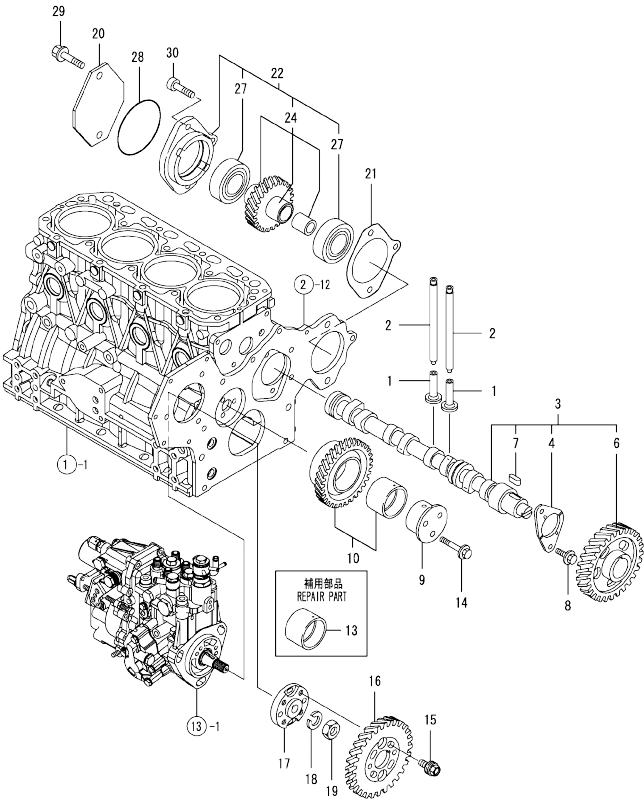
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129550-13110	GASKET	1							
2	1	129403-13120	MANIFOLD, EXHAUST	1							
3	1	119802-13650	BOLT, M8X65	3							
4	1	119802-13670	BOLT, M8X85	1							
5	1	119131-18320	STUD, M8X22	4							
6	1	129693-44310	BOLT	4							
6-1	1	119802-13820	BOLT, M8X100 9.8T	4						N	

(A**2009.12)

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

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Fig.7. CAMSHAFT & DRIVING GEAR



Remarks
(1) REPAIR PART.

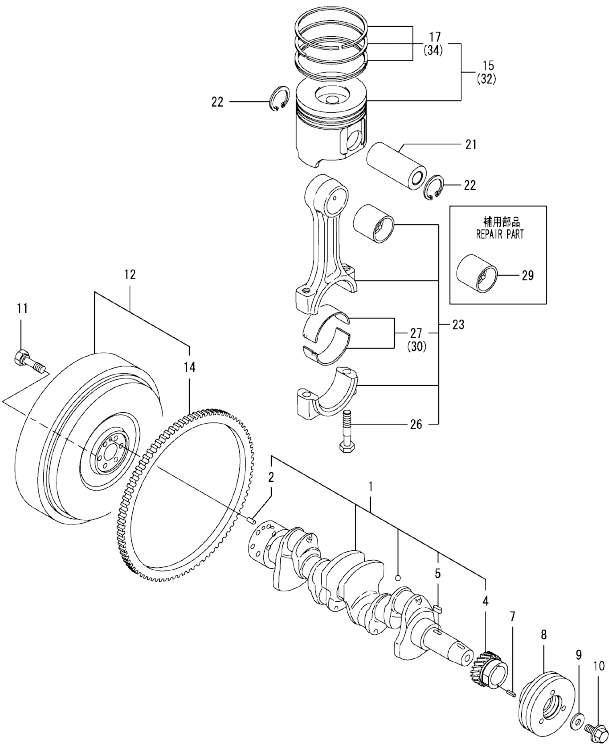
(A)=4TNV84T-MWA
(B)=
(C)=

(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	119802-25051	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	121023-26070	COVER	1							
21	1	171353-26081	GASKET	1							
22	1	129484-26200	DRIVE ASSY, PUMP	1							
24	2	129484-26210	GEAR ASSY	1							
27	2	24105-060064	BEARING, BALL 6006Z	2							
28	1	24321-000850	O-RING, 1AG85.0	1							
29	1	26106-100452	BOLT, M10X 45 PLATED	2							
30	1	26450-080282	BOLT, M8X 28	1							

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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-M29700 Fig.9

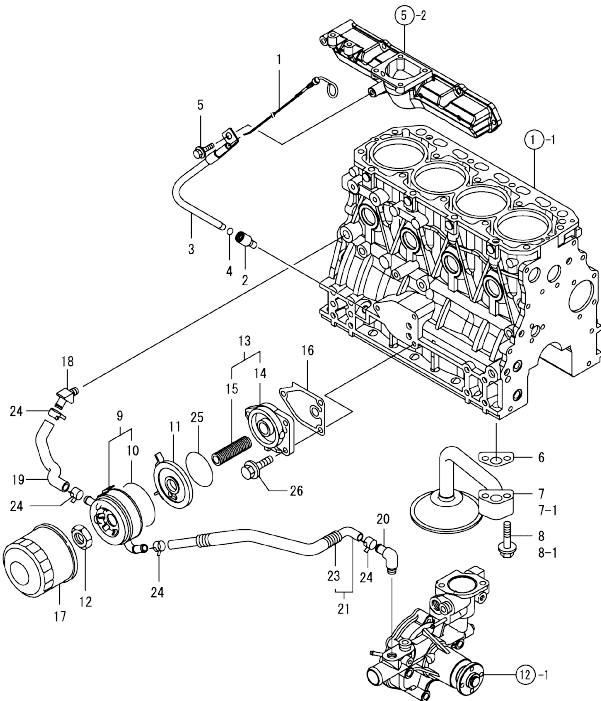
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(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129508-21002	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	119802-21202	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, 120	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	129508-22080	PISTON ASSY	4							
17	2	129004-22500	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	129508-22900	PISTON ASSY, 0.25 OS	4							3
34	2	129004-22950	RING SET, 0.25 OS	4							3

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{RIS}{YES}$ New, R:Old $\frac{YES}{YES}$ New, S:Old $\frac{RIS}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.10. LUB.OIL SYSTEM



Remarks
(1) REPAIR PART.

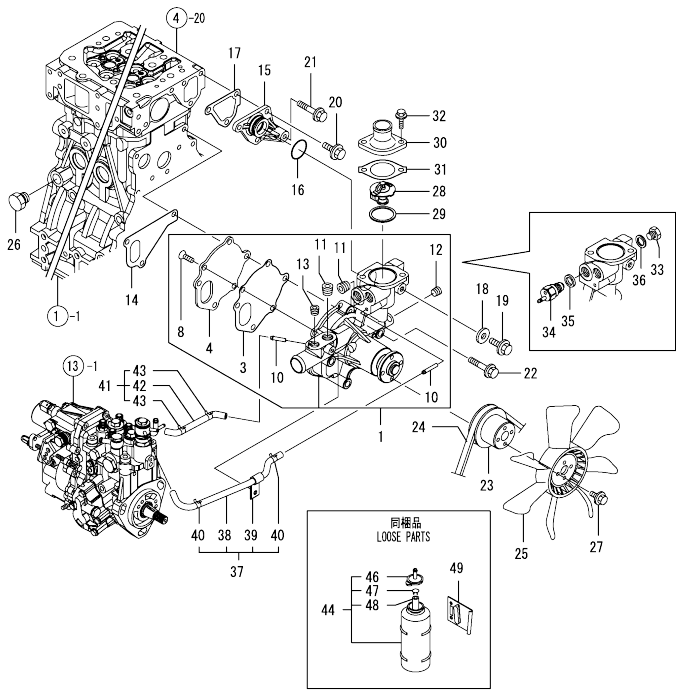
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(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129601-34801	DIPSTICK, OIL	1							
2	1	119260-34810	GUIDE, DIPSTICK	1							
3	1	119802-34850	GUIDE, DIPSTICK	1							
4	1	24311-240100	O-RING, 1AP10A	1							
5	1	26106-080162	BOLT, M8X 16 PLATED	1							
6	1	129150-35042	GASKET	1							
7	1	129436-35091	PIPE ASSY, OIL INLET	1							
7-1	1	129436-35070	PIPE ASSY	1							S
(A=EZZZZZ)											
8	1	26106-080352	BOLT, M8X 35 PLATED	2							
8-1	1	26106-080552	BOLT, M8X 55 PLATED	2							S
(A=EZZZZZ)											
9	1	123962-33010	COOLER ASSY, OIL	1							
10	2	123912-33050	O-RING	1							
11	1	129648-33100	BRACKET, COOLER	1							
12	1	129417-33110	NUT	1							
13	1	129648-35100	BRACKET ASSY, FILTER	1							
14	2	119802-35110	BRACKET, FILTER	1							
15	2	129648-35150	STUD	1							
16	1	129150-35111	GASKET	1							
17	1	129150-35153	FILTER	1							1
18	1	129648-44400	JOINT, PT1/4	1							
19	1	129648-49040	PIPE, WATER	1							
20	1	129103-49301	ELBOW, PT1/4	1							
21	1	123910-49600	PIPE, WATER	1							
23	2	123910-49610	TUBE, CORRUGATED	1							
24	1	23000-025000	CLAMP, 25	4							
25	1	24321-000600	O-RING, 1AG60.0	1							
26	1	26106-080202	BOLT, M8X 20 PLATED	3							

0CW10-M29700 4TNV84T-MWA

Fig.12. COOLING WATER SYSTEM



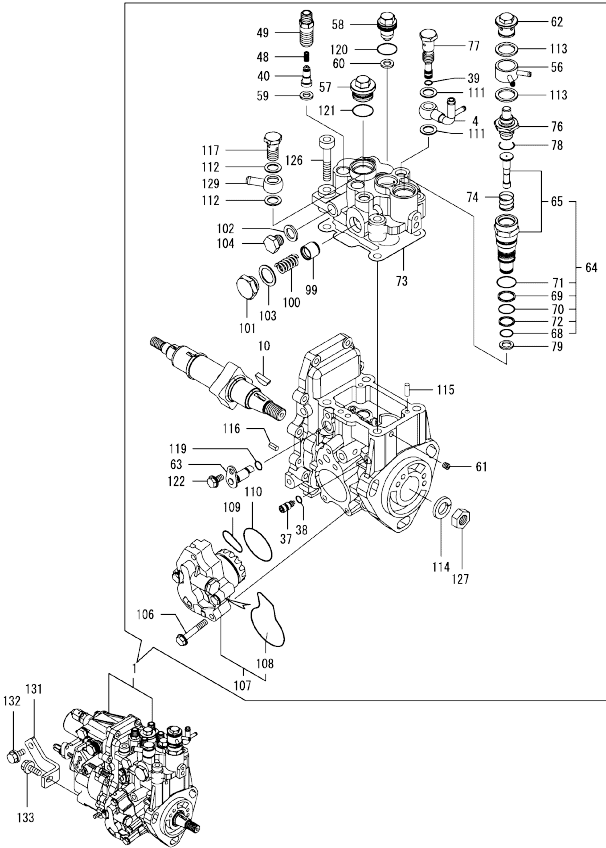
0CW10-M29700 Fig.12

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129508-42001	PUMP ASSY, WATER	1							
3	2	129100-42051	GASKET, WATER PUMP	1							
4	2	129100-42121	PLATE	1							
8	2	121850-42410	SCREW	3							
10	2	119802-49113	JOINT, PIPE	2							
11	2	129916-49740	PLUG, R03	2							
12	2	23876-010000	PLUG, R01	1							
13	2	23876-020000	PLUG, R02	1							
14	1	129486-42021	GASKET, WATER PUMP	1							
15	1	129004-42040	JOINT	1							
16	1	129486-42140	O-RING, G30	1							
17	1	124395-49840	GASKET	1							
18	1	23414-080000	GASKET, 8X1.0	1							
19	1	26106-080122	BOLT, M8X 12 PLATED	1							
20	1	26106-080162	BOLT, M8X 16 PLATED	3							
21	1	26106-080452	BOLT, M8X 45 PLATED	1							
22	1	26106-080602	BOLT, M8X 60 PLATED	3							
23	1	129556-42350	V-PULLEY, 96	1							
24	1	25132-003600	V-BELT, A36	1							
25	1	129655-44740	FAN, COOLING D380	1							
26	1	171056-49120	PLUG, DRAIN	1							
27	1	26106-060122	BOLT, M6X 12 PLATED	4							
28	1	129155-49801	THERMOSTAT, 71	1							
29	1	129150-49811	GASKET, THERMOSTAT	1							
30	1	129350-49530	COVER, THERMOSTAT	1							
31	1	129795-49551	GASKET	1							
32	1	26106-080222	BOLT, M8X 22 PLATED	2							
33	1	121450-42450	PLUG, M16	1							
34	1	121250-44901	SWITCH, 110	1							
35	1	124465-44950	GASKET, 16	1							
36	1	124465-44950	GASKET, 16	1							
37	1	129004-49610	PIPE ASSY, WATER	1							
38	2	129004-49711	PIPE ASSY, WATER	1							
39	2	119802-49730	RETAINER, PIPE	1							
40	2	124722-59050	CLIP, HOSE 9	2							
41	1	129004-49620	PIPE ASSY, WATER	1							
42	2	129004-49721	PIPE ASSY, WATER	1							
43	2	124722-59050	CLIP, HOSE 9	2							
44	1	124450-44510	TANK ASSY, SUB	1							
46	2	124450-44530	CAP	1							
47	2	124450-44560	RETAINER	1							
48	2	23061-070230	PIPE, 7X 230	1							
49	1	121256-44600	BRACKET, SUB TANK	1							

Fig.13. FUEL INJECTION PUMP



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

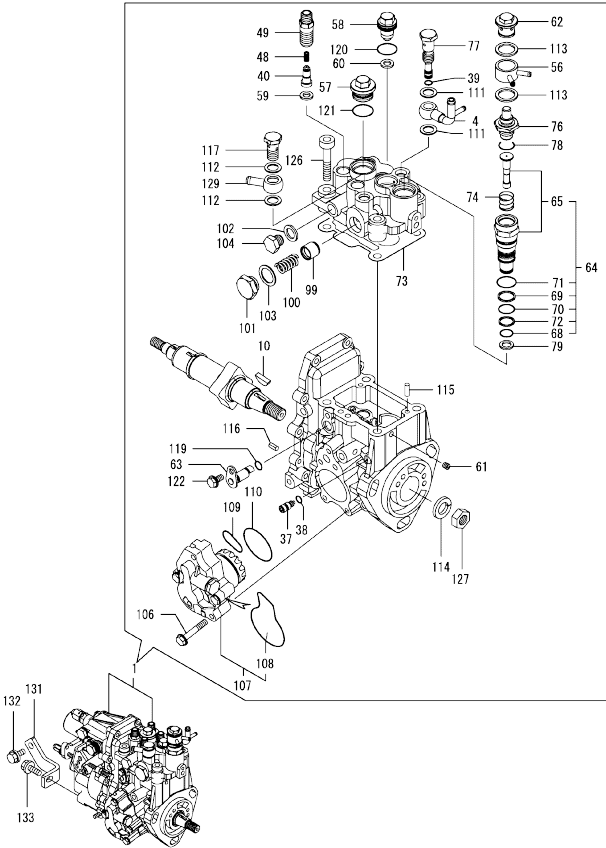
(A)=4TNV84T-MWA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729536-51320	PUMP ASSY, INJECTION	1							1
4	2	158552-51670	JOINT, OVER FLOW	1							
10	2	119802-51090	KEY, 4X16	1							
37	2	158600-51270	STOPPER, TAPPET	1							
38	2	158563-51281	O-RING, 4D S6	1							
39	2	158563-51281	O-RING, 4D S6	1							
40	2	158560-51300	VALVE ASSY, DELIVERY	4							
48	2	158563-51330	SPRING, DELIVERY	4							
49	2	129928-51340	HOLDER, DELIVERY	4							
56	2	158553-51551	JOINT	1							
57	2	158601-51550	PLUG	1							
58	2	119802-51560	PLUG, BARREL	1							
59	2	158552-51570	GASKET	4							
60	2	158552-51570	GASKET	1							
61	2	158557-51570	PLUG	1							
62	2	158601-51570	PLUG	1							
63	2	158552-51580	LIFTER	1							
64	2	119802-51590	TIMER SET	1							
65	3	119802-51600	TIMER ASSY	1							
68	3	158553-51670	O-RING, 1011	1							
69	3	119802-51680	RING, BACK UP	1							
70	3	119802-51690	O-RING	1							
71	3	24356-010200	O-RING, 4D1020	1							
72	3	24372-000150	RING, BACK UP T2P15	1							
73	2	158552-51600	GASKET	1							
74	2	158553-51630	SPRING, TIMER	1							
76	2	158553-51640	ELEMENT	1							
77	2	158601-51650	JOINT, OVER FLOW	1							
78	2	158553-51660	O-RING, P14	1							
79	2	158553-51680	GASKET	1							
99	2	158601-51770	PISTON	1							
100	2	158552-51781	SPRING	1							
101	2	158601-51790	PLUG	1							
102	2	22190-120002	WASHER, SEAL 12	1							
103	2	22190-180002	WASHER, SEAL 18	1							
104	2	23887-120002	PLUG, 12	1							
106	2	158553-51770	BOLT	4							
107	2	158552-52100	PUMP ASSY, FUEL FEED	1							
108	3	158552-52500	O-RING	1							
109	2	158552-52310	O-RING	1							
110	2	158552-52400	O-RING, 4E S42	1							
111	2	22190-120002	WASHER, SEAL 12	2							
112	2	22190-120002	WASHER, SEAL 12	2							
113	2	22190-180002	WASHER, SEAL 18	2							
114	2	22217-140000	WASHER, SPRING 14	1							
115	2	22312-050140	PIN, PARALLEL M5X14	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	24356-010180	O-RING, 4D1018	1							
121	2	24356-010200	O-RING, 4D1020	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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Fig.13. FUEL INJECTION PUMP



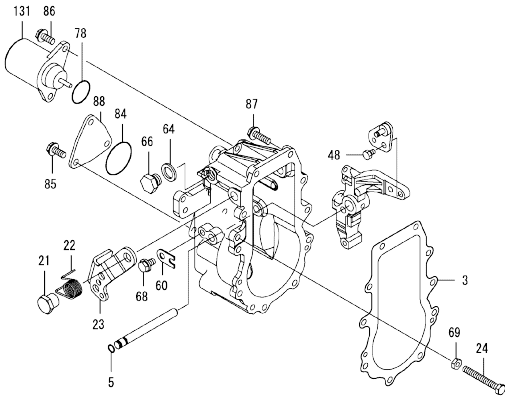
Remarks
(1) GOVERNOR ASSY(FIG.14) IS
INCORPORATED IN THIS FUEL
INJECTION PUMP.(REF.NO.1).

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
122	2	26106-060102	BOLT, M6X 10 PLATED	1							
126	2	26450-080452	BOLT, M8X 45	4							
127	2	26776-140002	NUT, LOCK M14	1							
129	2	129916-59020	JOINT, PIPE 12	1							
131	1	129508-51250	RETAINER, PUMP	1							
132	1	26106-080202	BOLT, M8X 20 PLATED	1							
133	1	26106-080302	BOLT, M8X 30 PLATED	1							

Fig.14. GOVERNOR



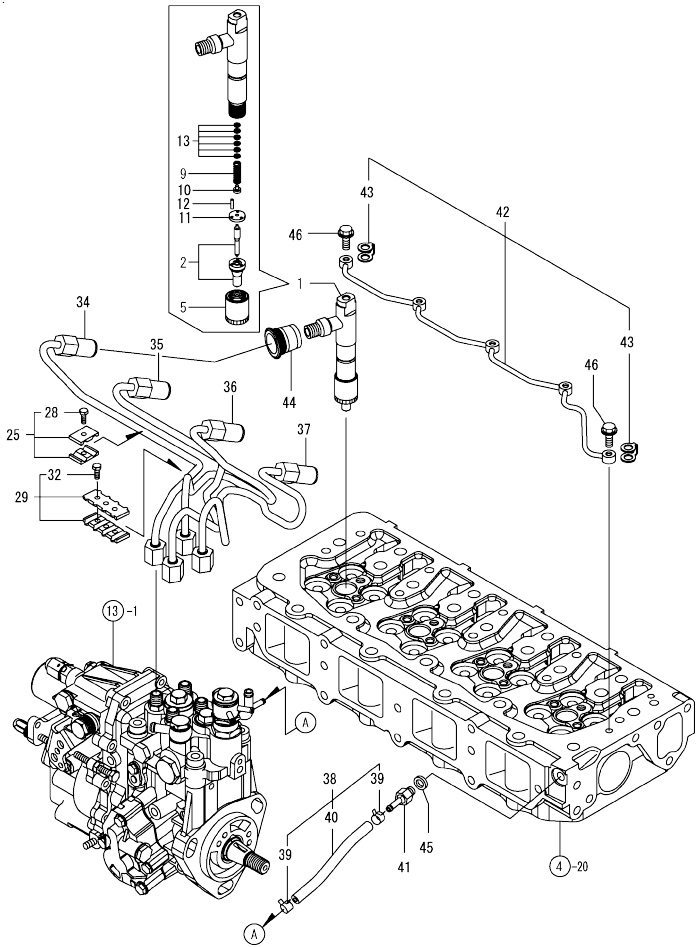
Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.13).

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	2	158553-61050	GASKET	1							
5	2	129155-51280	O-RING, S6	1							
21	2	129255-61410	NUT, LOCK	1							
22	2	119807-61420	SPRING, RETURN	1							
23	2	158552-61441	LEVER, REGULATOR	1							
24	2	129155-61460	BOLT, IDLE	1							
48	2	26116-060102	BOLT, M6X 10 PLATED	1							
60	2	119660-61901	RETAINER, SHAFT	1							
64	2	22190-120000	WASHER, SEAL 12	1							
66	2	23887-120002	PLUG, 12	1							
68	2	26106-060102	BOLT, M6X 10 PLATED	1							
69	2	26756-060002	NUT, LOCK M6	1							
78	2	158552-61900	O-RING	1							
84	2	24341-000360	O-RING, 1AS36.0	1							
85	2	26106-060142	BOLT, M6X 14 PLATED	2							
86	2	26106-060142	BOLT, M6X 14 PLATED	3							
87	2	26106-060202	BOLT, M6X 20 PLATED	10							
88	2	158563-61060	COVER, GOVERNOR CASE	1							
131	2	119653-77950	SOLENOID, STOP	1							

Fig.15. FUEL INJECTION VALVE

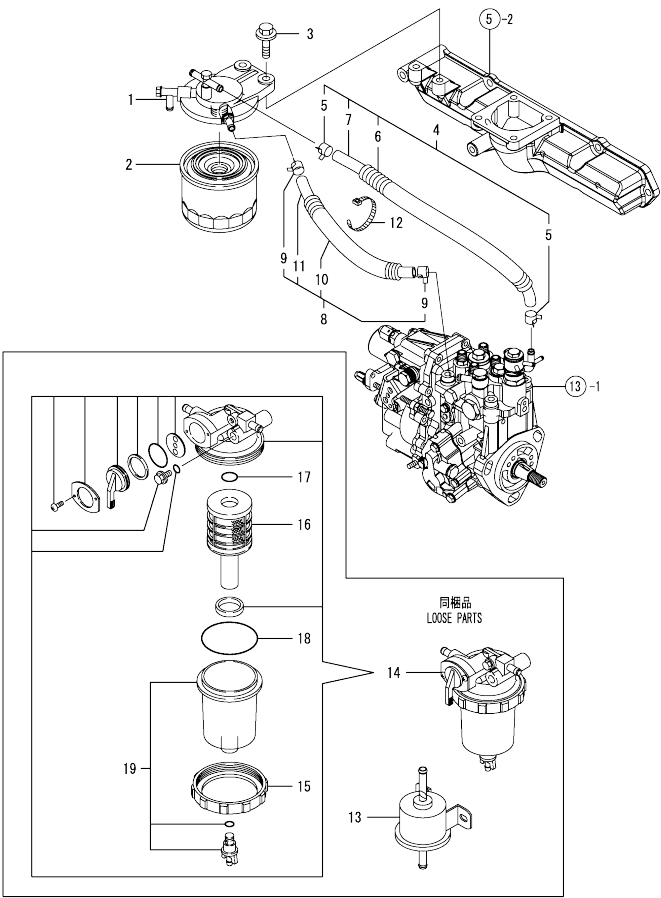


(A)=4TNV84T-MWA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729648-53100	VALVE ASSY,INJECTION	4							
2	2	129508-53000	VALVE ASSY,INJECTION	4							
5	2	114250-53080	NUT, NOZZLE D16.95	4							
9	2	114250-53120	SPRING, NOZZLE	4							
10	2	114250-53130	SEAT, SPRING	4							
11	2	114250-53140	PLATE	4							
12	2	114250-53210	PIN	8							
13	2	114250-53400	SHIM SET	4							
25	1	119305-59120	RETAINER, PIPE	2							
28	2	129150-59131	BOLT, M4X14	2							
29	1	129550-59120	RETAINER, PIPE	1							
32	2	129150-59131	BOLT, M4X14	2							
34	1	129508-59910	PIPE ASSY, INJECTION	1							
35	1	129508-59920	PIPE ASSY, INJECTION	1							
36	1	129508-59930	PIPE ASSY, INJECTION	1							
37	1	129508-59940	PIPE ASSY, INJECTION	1							
38	1	129508-59570	PIPE ASSY, RETURN	1							
39	2	124722-59050	CLIP, HOSE 9	2							
40	2	129508-59510	PIPE, FUEL RETURN	1							
41	1	123907-59560	JOINT	1							
42	1	129508-59550	PIPE ASSY, RETURN	1							
43	2	123907-59550	GASKET	5							
44	1	123907-11601	SEAL	4							
45	1	22190-080002	WASHER, SEAL 6	1							
46	1	123907-59540	BOLT, PIPE JOINT M6	5							

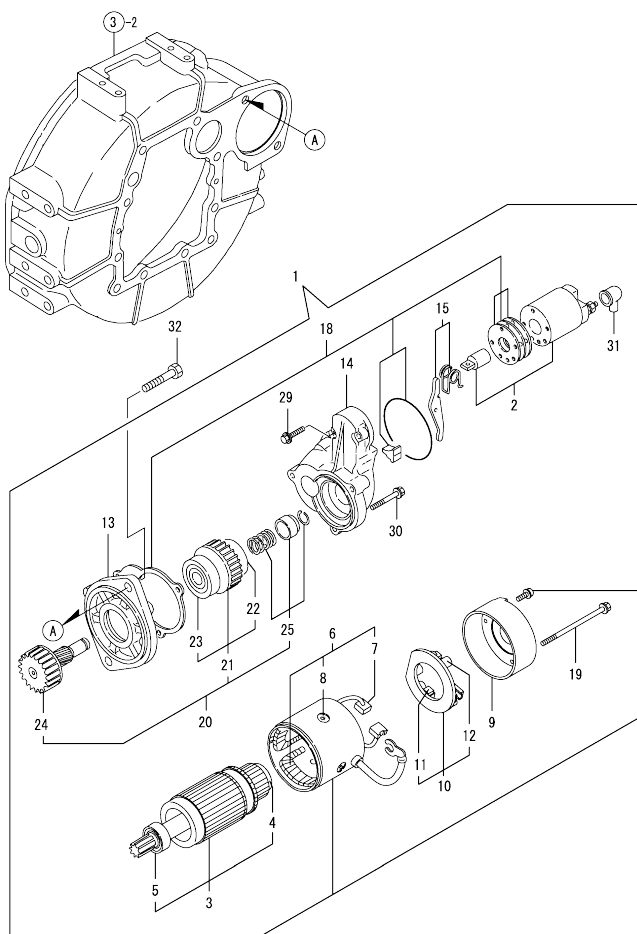
Fig.16. FUEL LINE



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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-55612	BRACKET, FILTER	1							
2	1	119802-55801	FILTER, FUEL	1							
3	1	26106-080302	BOLT, M8X 30 PLATED	2							
4	1	129981-59010	PIPE ASSY, FUEL	1							
5	2	124766-59050	CLIP, HOSE 12	2							
6	2	129950-59221	TUBE, CORRUGATED	1							
7	2	129980-59510	PIPE, FUEL	1							
8	1	129950-59311	PIPE, FUEL	1							
9	2	124766-59050	CLIP, HOSE 12	2							
10	2	129961-59110	TUBE, CORRUGATED	1							
11	2	105025-59580	PIPE, FUEL	1							
12	1	121750-59890	BAND, 140	1							
13	1	119225-52102	PUMP ASSY, FUEL FEED	1							
14	1	119802-55700	SEPARATOR ASSY	1							
15	2	129100-55690	RING, RETAINING	1							
16	2	119802-55710	ELEMENT	1							
17	2	24311-000160	O-RING, 1AP16.0	1							
18	2	24321-000650	O-RING, 1AG65.0	1							
19	2	119802-55730	CUP ASSY	1							

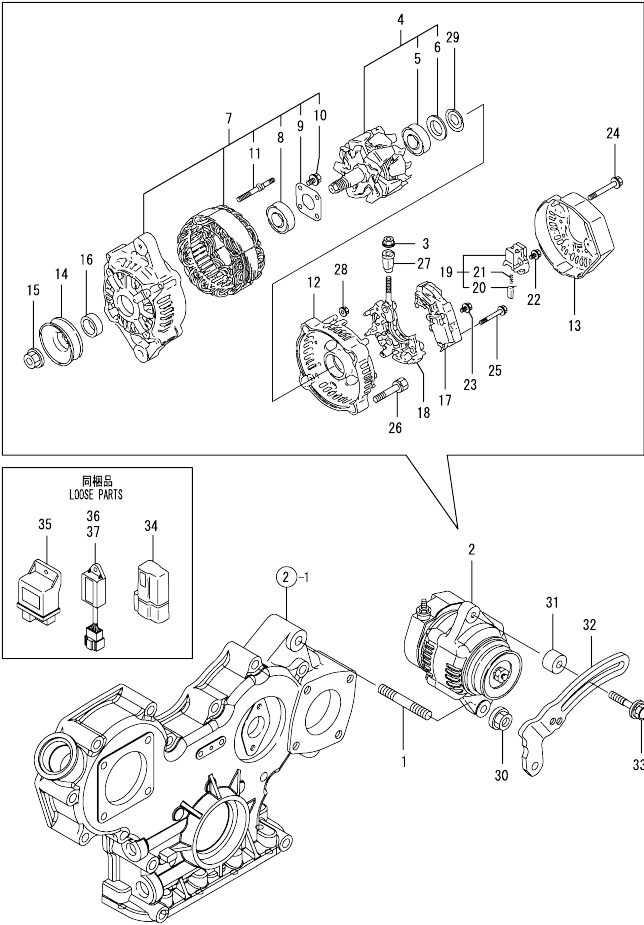


No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129136-77011	STARTER	1							
2	2	129136-77310	SWITCH ASSY	1							
3	2	129900-77400	ARMATURE ASSY	1							
4	3	X2130350900	BEARING, BALL	1							
5	3	X2114255110	BEARING, BALL	1							
6	2	129900-77440	COIL ASSY, FIELD	1							
7	3	129900-77450	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							

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

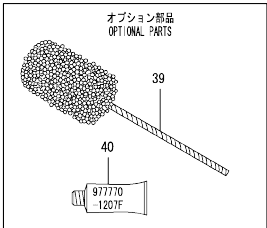
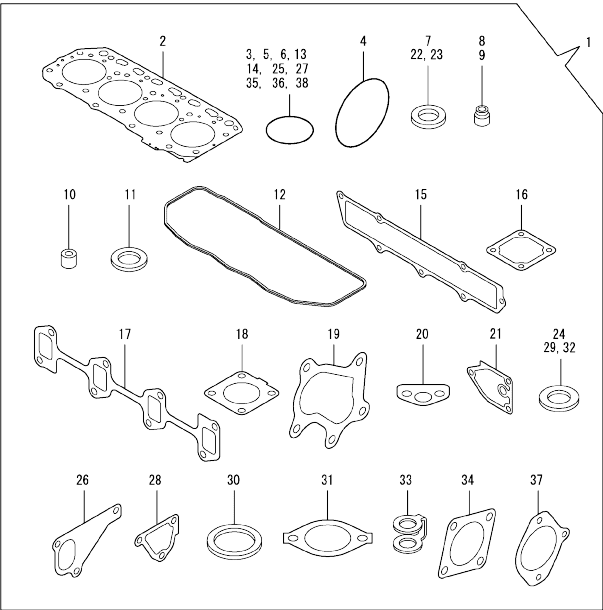


(A)=4TNV84T-MWA
(B)=
(C)=

(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	129423-77200	GENERATOR, 12V-40A	1							
3	2	X9490561001	NUT	1							
4	2	119620-77380	ROTOR ASSY	1							
5	3	123501-79240	BEARING, BALL	1							
6	3	119620-79250	COVER	1							
7	2	119620-77421	FRAME ASSY, DRIVE	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	119620-77440	FRAME ASSY	1							
13	2	129240-79300	COVER	1							
14	2	119620-77461	PULLEY	1							
15	2	119620-77471	NUT	1							
16	2	119620-77490	COLLAR	1							
17	2	129423-77710	REGULATOR ASSY	1							
18	2	119620-79260	HOLDER	1							
19	2	129052-79270	HOLDER, BRUSH	1							
20	3	119620-77480	BRUSH ASSY	2							
21	3	119620-79280	SPRING	2							
22	2	119620-79290	SCREW	6							
23	2	119620-79300	SCREW	1							
24	2	119620-79310	BOLT	3							
25	2	119620-79320	SCREW	2							
26	2	119620-79330	BOLT	2							
27	2	119620-79340	BUSH, INSULATION	1							
28	2	119620-79350	NUT	2							
29	2	119620-79360	WASHER, THRUST	1							
30	1	26306-100002	NUT, M10	1							
31	1	129067-77340	SPACER	1							
32	1	129064-77330	ADJUSTER	1							
33	1	129972-77341	BOLT, ADJUSTER L=50	1							
34	1	119643-66900	DIODE	1							
35	1	119802-77200	RELAY, SAFETY	1							
36	1	128300-77920	TIMER	1							
37	1	129211-77920	TIMER	1							

Fig.19. GASKET SET



Remarks
(1) OPTIONAL PART.

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729508-92790	GASKET SET	1							1
2	2	129508-01330	GASKET, HEAD	1							
3	2	119609-32040	O-RING, P16	4							
4	2	121850-51960	O-RING	1							
5	2	24311-000320	O-RING, 1AP32.0	3							
6	2	24341-000240	O-RING, 1AS24.0	1							
7	2	22190-220002	WASHER, SEAL 22	1							
8	2	119717-11340	SEAL, VALVE STEM	8							
9	2	119717-11350	SEAL, VALVE STEM	8							
10	2	119802-11870	PROTECTOR, NOZZLE	4							
11	2	119625-11880	SEAT, NOZZLE	4							
12	2	129508-11310	GASKET, BONNET	1							
13	2	24341-000400	O-RING, 1AS40.0	1							
14	2	24311-000120	O-RING, 1AP12.0	3							
15	2	129508-12110	GASKET, MANIFOLD	1							
16	2	129150-77511	GASKET	1							
17	2	129550-13110	GASKET	1							
18	2	129508-18080	GASKET	1							
19	2	129508-18090	GASKET	1							
20	2	129150-35042	GASKET	1							
21	2	129150-35111	GASKET	1							
22	2	22190-080002	WASHER, SEAL 6	3							
23	2	22190-100002	WASHER, SEAL 10	2							
24	2	23414-100000	GASKET, 10X1.0	2							
25	2	24316-000160	O-RING, 4DP16.0	1							
26	2	129486-42021	GASKET, WATER PUMP	1							
27	2	129486-42140	O-RING, G30	1							
28	2	124395-49840	GASKET	1							
29	2	23414-080000	GASKET, 8X1.0	1							
30	2	129150-49811	GASKET, THERMOSTAT	1							
31	2	129795-49551	GASKET	1							
32	2	124465-44950	GASKET, 16	2							
33	2	123907-59550	GASKET	5							
34	2	171353-26081	GASKET	1							
35	2	24321-000850	O-RING, 1AG85.0	1							
36	2	24321-000600	O-RING, 1AG60.0	1							
37	2	124240-01883	GASKET	1							
38	2	24311-240100	O-RING, 1AP10A	1							
39	1	129400-92420	HONE	1							1
40	1	977770-1207F	GASKET,LIQUID	1							1

Parts No. Index

Parts No.	Fig. No.	Ref. No.
105025-59580	16	11
114250-39450	11	1
114250-53080	15	5
114250-53120	15	9
114250-53130	15	10
114250-53140	15	11
114250-53210	15	12
114250-53400	15	13
119131-18320	6	5
119225-52102	16	13
119260-34810	10	2
119305-59120	15	25
119609-32040	2	17
	19	3
119620-01750	3	3
119620-77380	18	4
119620-77421	18	7
119620-77440	18	12
119620-77461	18	14
119620-77471	18	15
119620-77480	18	20
119620-77490	18	16
119620-79200	18	8
119620-79210	18	9
119620-79220	18	10
119620-79230	18	11
119620-79250	18	6
119620-79260	18	18
119620-79280	18	21
119620-79290	18	22
119620-79300	18	23
119620-79310	18	24
119620-79320	18	25
119620-79330	18	26
119620-79340	18	27
119620-79350	18	28
119620-79360	18	29
119625-11880	4	42
	19	11
119640-01640	3	9
119643-66900	18	34
119653-77950	14	131
119660-61901	14	60
119717-11190	4	32
119717-11340	4	33
	19	8
119717-11350	4	34
	19	9
119717-11800	4	40
119802-01561	2	13

Parts No.	Fig. No.	Ref. No.
119802-03070	4	51
119802-11870	4	41
	19	10
119802-13650	6	3
119802-13670	6	4
119802-13820	6	6 -1
119802-21202	9	4
119802-21660	9	8
119802-25051	7	9
119802-25071	7	13
119802-25101	7	10
119802-25901	7	16
119802-32070	2	8
119802-32100	2	7
119802-32130	2	20
119802-34850	10	3
119802-35110	10	14
119802-39500	11	5
119802-49113	12	10
119802-49730	12	39
119802-51090	13	10
119802-51560	13	58
119802-51590	13	64
119802-51600	13	65
119802-51680	13	69
119802-51690	13	70
119802-55700	16	14
119802-55710	16	16
119802-55730	16	19
119802-55801	16	2
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