

0CD50-M01250EN

P R E F A C E

This parts catalog is the 1st edition of 4TNV98T-GGQ for GRUPEL.

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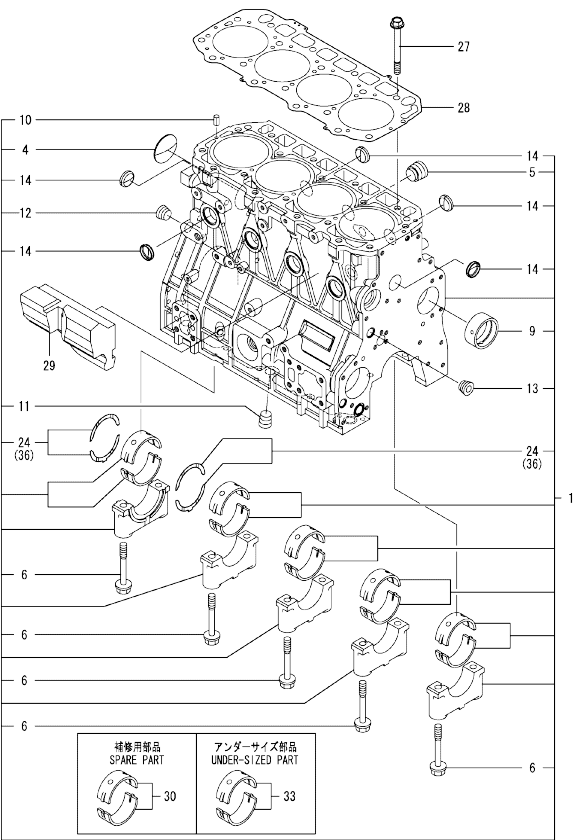
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0CD50-M01250

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OCD50-M01250 4TNV98T-GGQ

Fig.1. CYLINDER BLOCK



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

OCD50-M01250 Fig.1

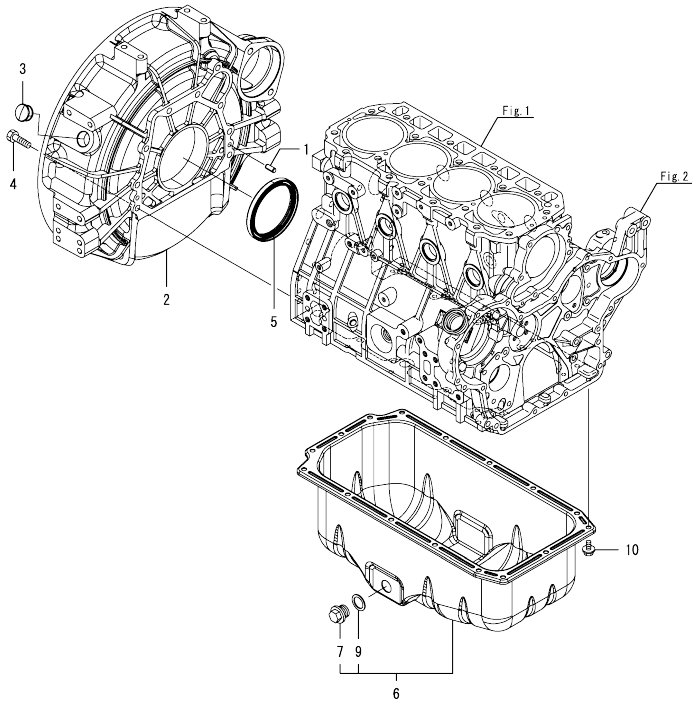
(A)=4TNV98T-GGQ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729908-01560	BLOCK ASSY, CYLINDER	1							
4	2	129900-01250	PLUG, DISH TYPE 55	1							
5	2	171051-01921	PLUG, NPTF1	1							
6	2	129900-02020	BOLT, METAL CAP	10							
9	2	129900-02410	BUSH, CAMSHAFT	1							
10	2	22351-060012	PIN, SPRING 6.0X12	2							
11	2	23876-030000	PLUG, R03	1							
12	2	23876-030000	PLUG, R03	1							
13	2	23876-030000	PLUG, R03	1							
14	2	27241-300000	PLUG 30	8							
24	2	129900-02931	BEARING ASSY, THRUST	2							
27	1	129900-01200	BOLT, CYLINDER HEAD	18							
28	1	129907-01331	GASKET, HEAD	1							
29	1	129907-01190	SPACER	1							
30	1	729900-02801	BEARING, MAIN	5							1
33	1	129900-02341	BEARING ASSY, MAIN	5							2
36	1	129900-02941	BEARING, THRUST 0.25	2							3

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Fig.3. FLYWHEEL HOUSING & OIL SUMP



0CD50-M01250 Fig.3

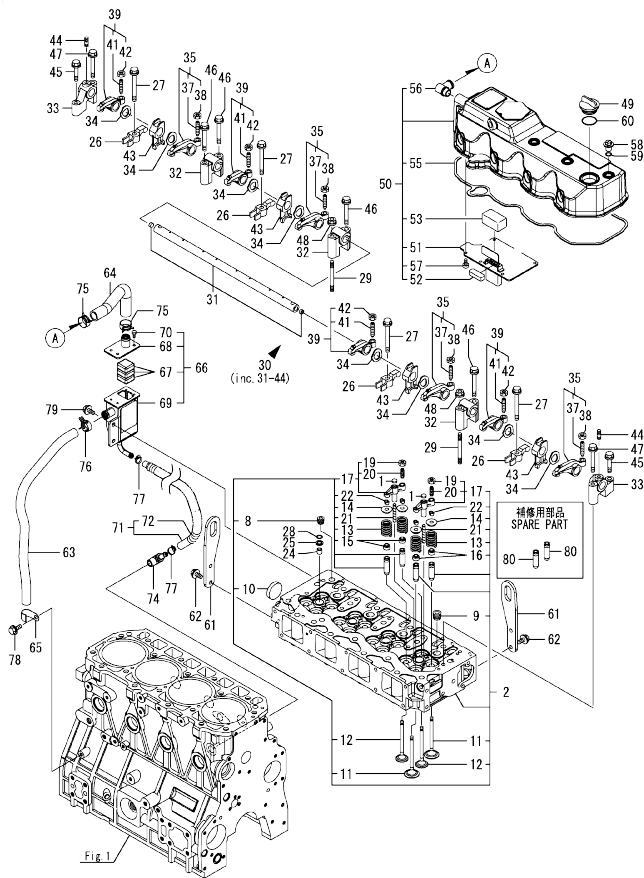
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(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, PARALLEL 8X16	2							
2	1	129915-01610	HOUSING, FLYWHEEL	1							
3	1	119000-01840	PLUG, RUBBER	1							
4	1	26206-100352	BOLT, M10X 35 PLATED	9							
5	1	129916-01790	SEAL, D115/95XT11	1							
6	1	129982-01710	OIL PAN ASSY	1							
7	2	119640-01640	PLUG, DRAIN M22	1							
9	2	22190-220002	WASHER, SEAL 22	1							
10	1	26106-080122	BOLT, M8X 12 PLATED	16							

OCD50-M01250 4TNV98T-GGQ

Fig.4. CYLINDER HEAD & BONNET



Remarks
(1)Spare parts.

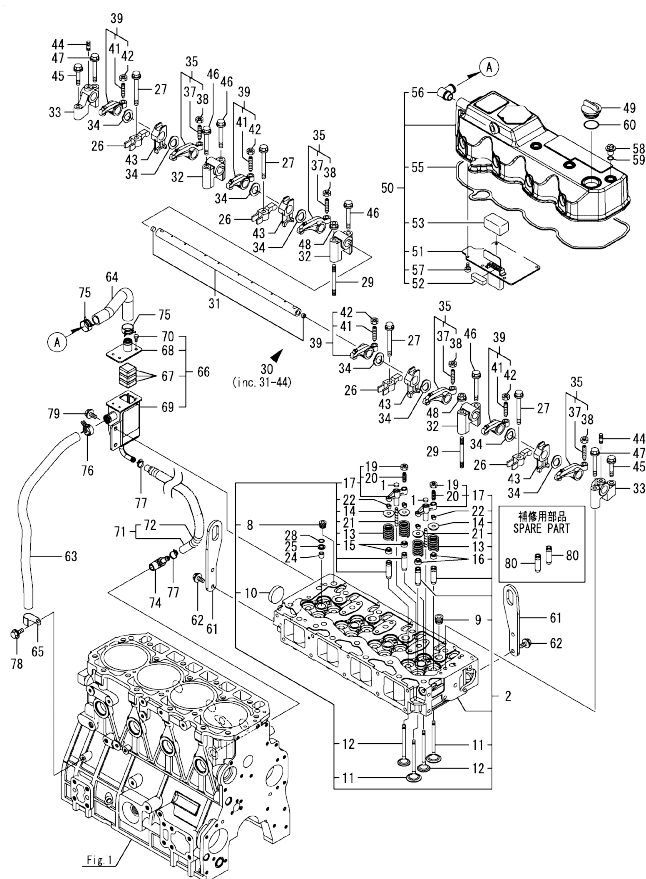
OCD50-M01250 Fig.4

(A)=4TNV98T-GGQ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	123907-11550	SEAT, VALVE BRIDGE	8							
2	1	129908-11700	HEAD ASSY, CYLINDER	1							
8	2	23876-020000	PLUG, R02	1							
9	2	23876-030000	PLUG, R03	4							
10	2	27241-400000	PLUG, 40	1							
11	2	129907-11100	VALVE, SUCTION	8							
12	2	129907-11110	VALVE, EXHAUST	8							
13	2	129907-11120	SPRING, VALVE	16							
14	2	119620-11180	RETAINER, SPRING	16							
15	2	119803-11340	SEAL, VALVE STEM	8							
16	2	124160-11340	SEAL, VALVE STEM	8							
17	2	129907-11510	BRIDGE ASSY, VALVE	8							
19	3	129150-11750	NUT, M8	8							
20	3	123907-11830	ADJUSTER	8							
21	2	123907-11820	GUIDE, BRIDGE	8							
22	2	27310-070001	COTTER, 7	16							
24	1	119802-11870	PROTECTOR, NOZZLE	4							
25	1	119625-11880	SEAT, NOZZLE	4							
26	1	129907-11910	RETAINER, NOZZLE	4							
27	1	129907-11950	BOLT, M8X75	4							
28	1	24311-000120	O-RING, 1AP12.0	4							
29	1	119593-11301	BOLT, STUD M8X80	2							
30	1	129907-11341	SHAFT ASSY, ROCKER	1							
31	2	129907-11250	SHAFT, ROCKER ARM	1							
32	2	129907-11260	SUPPORT, ROCKER ARM	3							
33	2	129907-11270	SUPPORT, ROCKER ARM	2							
34	2	123907-11280	WASHER	8							
35	2	129907-11650	ARM ASSY, ROCKER	4							
37	3	129150-11230	SCREW, VALVE ADJUST	4							
38	3	129150-11750	NUT, M8	4							
39	2	129907-11660	ARM ASSY, ROCKER	4							
41	3	129150-11230	SCREW, VALVE ADJUST	4							
42	3	129150-11750	NUT, M8	4							
43	2	129907-11920	RETAINER, NOZZLE	4							
44	2	26226-080222	STUD, M8X 22	2							
45	1	26106-080402	BOLT, M8X 40 PLATED	2							
46	1	26106-080602	BOLT, M8X 60 PLATED	4							
47	1	26106-080602	BOLT, M8X 60 PLATED	2							
48	1	26306-080002	NUT, M8	2							
49	1	124160-01751	CAP, FILLER	1							
50	1	129933-11320	BONNET ASSY, HEAD	1							
51	2	129907-03011	PLATE, BAFFLE	1							
52	2	129907-03061	BAFFLE, BREATHER	1							
53	2	129907-03070	BAFFLE, BREATHER	1							
55	2	129933-11310	GASKET, BONNET	1							
56	2	119100-11330	ELBOW, BREATHER	1							
57	2	22857-500100	SCREW, 5X10	6							
58	1	124160-11360	KNOB	4							
59	1	24311-000120	O-RING, 1AP12.0	4							
60	1	24311-000320	O-RING, 1AP32.0	1							
61	1	129907-07900	LIFTER, ENGINE	2							

N:Old *¹⁰⁰/₁₀₀* New, Q:Old *¹⁰⁰/₁₀₀* New, R:Old *¹⁰⁰/₁₀₀* New, S:Old *¹⁰⁰/₁₀₀* New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Remarks
(1) Spare parts.

(A)=4TNV98T-GGQ
(B)=
(C)=

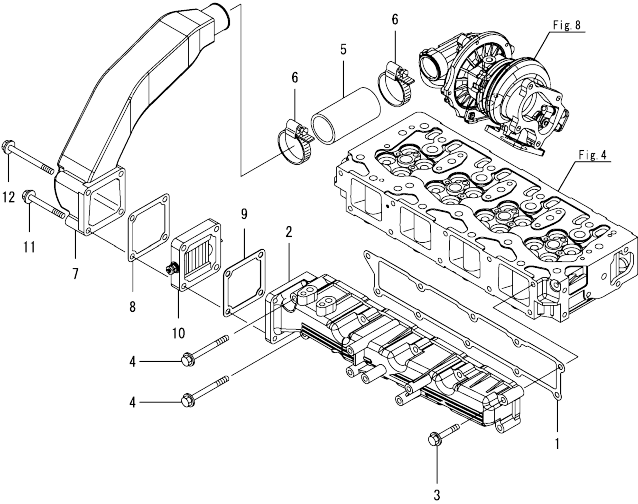
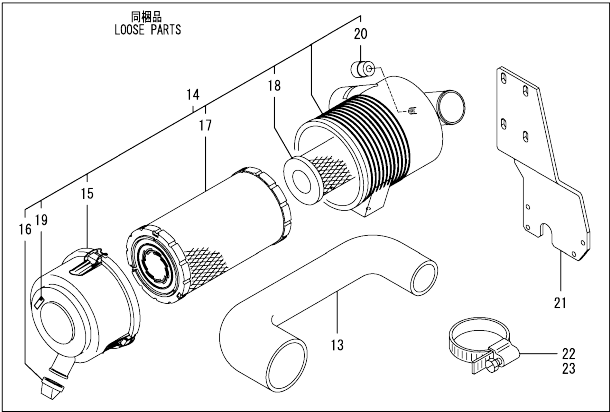
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
62	1	26106-080162	BOLT, M8X 16 PLATED	4							
63	1	119006-03090	HOSE, BREATHER	1							
64	1	129908-03099	HOSE, BREATHER	1							
65	1	129150-03100	RETAINER, PIPE	1							
66	1	129908-03230	BREATHER ASSY	1							
67	2	123901-03240	FILTER	3							
68	2	129908-03240	COVER, BREATHER	1							
69	2	129908-03250	BREATHER	1							
70	2	26116-050102	BOLT, M5X 10 PLATED	4							
71	1	129935-03260	HOSE ASSY, RETURN	1							
72	2	129935-03270	TUBE, CORRUGATED	1							
74	1	123901-03280	ELBOW, PT3/8-10	1							
75	1	129410-03990	CLAMP, HOSE 21.5	2							
76	1	129960-03990	CLAMP, HOSE 19.8	1							
77	1	23000-022000	CLAMP, 22	2							
78	1	26106-080122	BOLT, M8X 12 PLATED	1							
79	1	26106-080142	BOLT, M8X 14 PLATED	2							
80	1	129907-11800	GUIDE, VALVE	16							

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

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Fig.5. SUCTION MANIFOLD & AIR CLEANER



OCD50-M01250 Fig.5

(A)=4TNV98T-GGQ
(B)=
(C)=

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

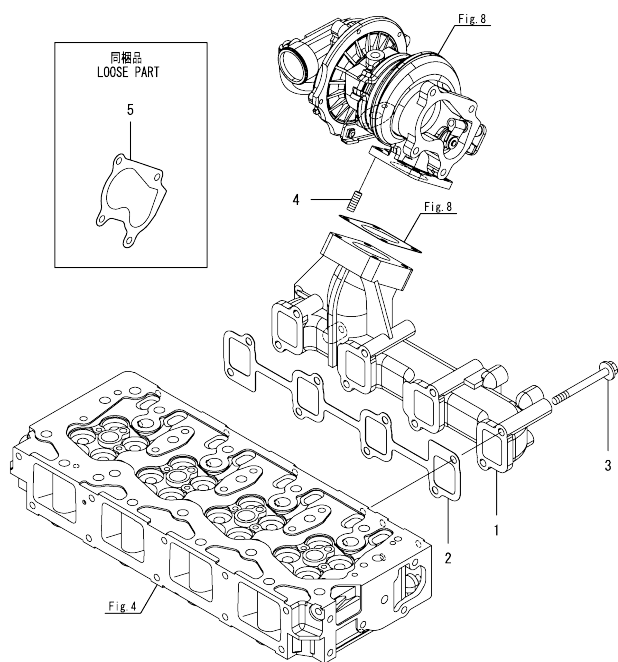
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129907-12110	GASKET, MANIFOLD	1							
2	1	129944-12111	MANIFOLD, AIR INTAKE	1							
3	1	26106-080452	BOLT, M8X 45 PLATED	8							
4	1	26106-080802	BOLT, M8X 80 PLATED	2							
5	1	123951-18220	JOINT, RUBBER	1							
6	1	23000-054000	CLAMP, 54	2							
7	1	129935-18350	DUCT, AIR	1							
8	1	119129-77020	GASKET	1							
9	1	121850-77021	GASKET, AIR HEATER	1							
10	1	119005-77051	HEATER, AIR	1							
11	1	26106-080702	BOLT, M8X 70 PLATED	2							
12	1	26106-080902	BOLT, M8X 90 PLATED	2							
13	1	129935-12070	HOSE, AIR INTAKE	1							
14	1	129946-12520	CLEANER ASSY, AIR	1							
15	2	119160-12530	COVER ASSY	1							
16	2	119160-12540	VALVE	1							
17	2	119160-12560	ELEMENT, OUTER	1							
18	2	119160-12570	ELEMENT, INNER	1							
19	2	129612-12650	LABEL, MARKING	1							
20	2	126650-12680	INDICATOR	1							
21	1	129944-12620	BRACKET, CLEANER	1							
22	1	23000-060000	CLAMP, 60	1							
23	1	23000-102000	CLAMP, 102	1							

Fig.6. EXHAUST MANIFOLD

(D)=

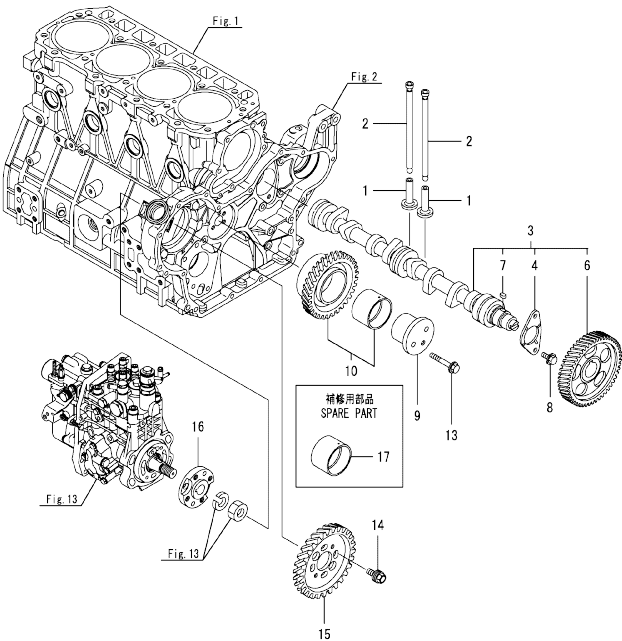
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1		129935-13100	MANIFOLD, EXHAUST	1							
2	1	129900-13251	GASKET, EXH.MANIFOLD	1							
3	1	129E00-13640	BOLT, M8x80 10.9T	8							
4	1	129418-18320	BOLT, STUD M8X20	4							
5	1	123901-18080	GASKET	1							



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

Fig.7. CAMSHAFT & DRIVING GEAR



Remarks
(1)Spare parts.

(A)=4TNV98T-GGQ
(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	129907-14400	PUSH-ROD	8							
3	1	129908-14581	CAMSHAFT ASSY	1							
4	2	129150-02450	BEARING, THRUST	1							
6	2	129900-14100	GEAR, CAMSHAFT	1							
7	2	22512-070140	KEY, 7X 14	1							
8	1	26106-080142	BOLT, M8X 14 PLATED	2							
9	1	123900-25060	SHAFT, IDLE GEAR	1							
10	1	129900-25100	GEAR ASSY, IDLE	1							
13	1	26106-080552	BOLT, M8X 55 PLATED	3							
14	1	129953-25300	BOLT	4							
15	1	129907-25900	GEAR, PUMP	1							
16	1	158563-51150	FLANGE	1							
17	1	129150-25920	BUSH, IDLE GEAR	1							1

Fig.8. TURBINE



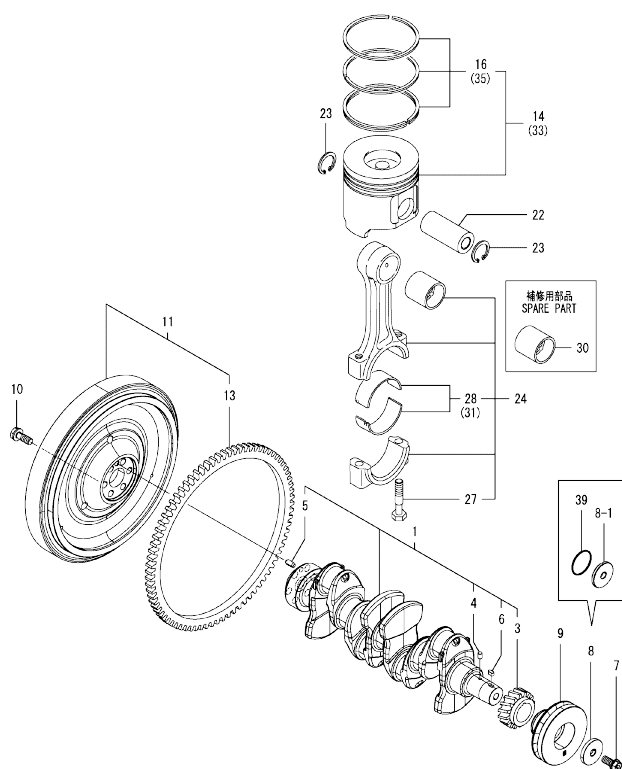
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(E)=
(F)=

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N:Old $\xrightarrow{\text{Yes}} \text{New. Q:Old} \xrightarrow{\text{No}} \text{New. R:Old} \xrightarrow{\text{Yes}} \text{New. S:Old} \xrightarrow{\text{No}} \text{New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change}$
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Fig.9. CRANKSHAFT & PISTON



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

(A)=4TNV98T-GGQ
(B)=
(C)=

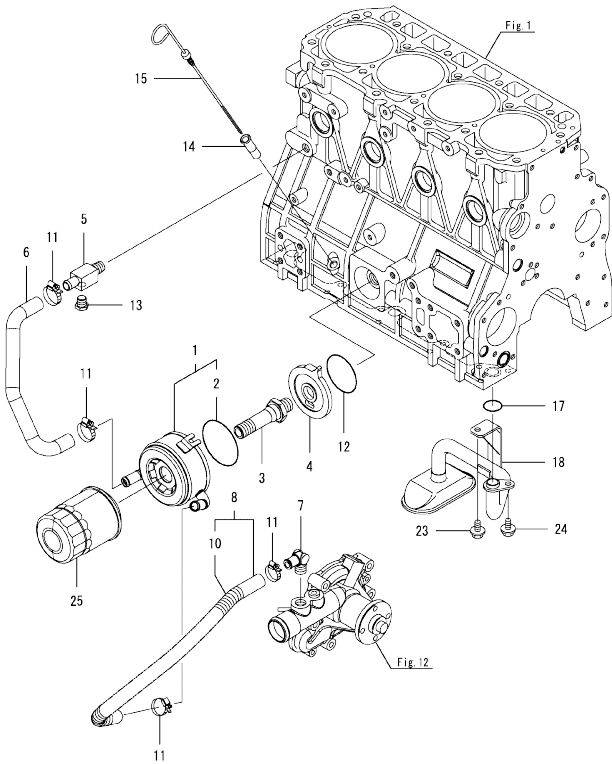
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129908-21000	CRANKSHAFT ASSY	1							
3	2	129900-21200	GEAR, CRANKSHAFT	1							
4	2	121850-21290	PIN	1							
5	2	121850-21920	PIN, PARALLEL 10X22	1							
6	2	22512-070140	KEY, 7X 14	1							
7	1	129916-21610	BOLT	1							
8	1	129900-21640	WASHER	1							
8-1	1	129960-21940 (A=**2018.08)	WASHER, V-PULLEY	1						N	
9	1	129907-21660	V-PULLEY, CRANK 130	1							
10	1	121850-21130	BOLT, FLYWHEEL	6							
11	1	129920-21580	FLYWHEEL ASSY	1							
13	2	127410-21480	GEAR, RING Z=129	1							
14	1	129908-22080	PISTON ASSY	4							
16	2	129907-22051	RING SET, PISTON	4							
22	1	120130-22301	PIN, PISTON	4							
23	1	22252-000300	RING, 30	8							
24	1	129900-23001	ROD ASSY, CONNECTING	4							
27	2	129900-23200	BOLT, CONNECTING ROD	8							
28	2	129900-23601	BEARING, CRANK PIN	4							
30	1	129900-23911	BEARING, PISTON PIN	4							1
31	1	129900-23611	BEARING ASSY, 0.25US	4							2
33	1	729908-22900	PISTON ASSY, 0.25 OS	4							3
35	2	729907-22950	RING SET, 0.25 OS	4							3
39	1	129960-21930 (A=**2018.08)	GASKET, WASHER	1						W	

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

0CD50-M01250 4TNV98T-GGQ

Fig.10. LUB. OIL SYSTEM



0CD50-M01250 Fig.10

(A)=4TNV98T-GGQ
(B)=
(C)=

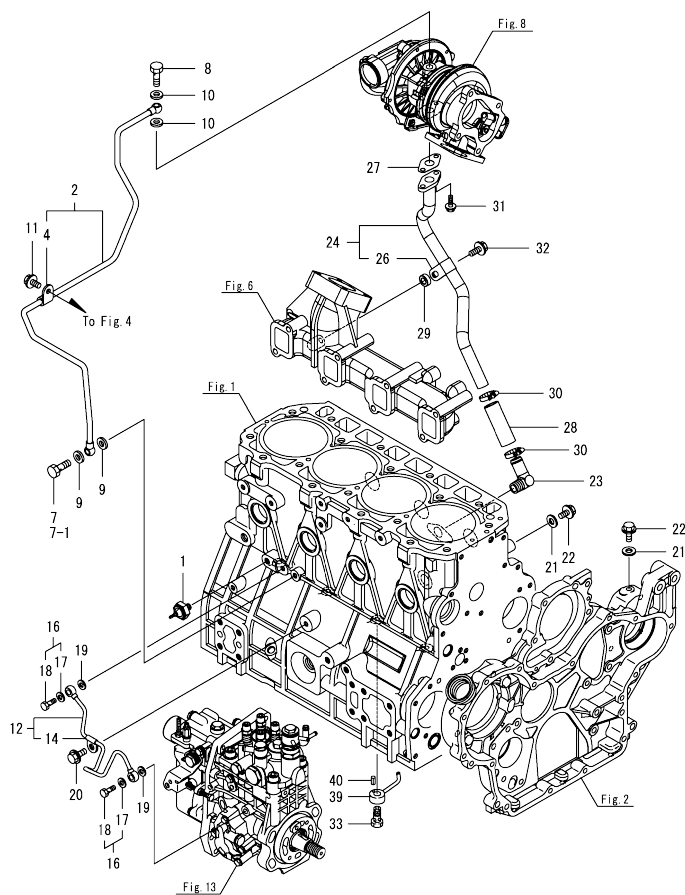
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129908-33010	COOLER ASSY, OIL	1							
2	2	123912-33050	O-RING	1							
3	1	123912-33100	BOLT, COOLER	1							
4	1	129908-33101	BRACKET, OIL COOLER	1							
5	1	129006-44480	JOINT	1							
6	1	129908-49060	HOSE, WATER	1							
7	1	129466-49300	ELBOW, PT3/8	1							
8	1	123910-49600	HOSE ASSY, WATER	1							
10	2	123910-49610	TUBE, CORRUGATED	1							
11	1	23000-025000	CLAMP, 25	4							
12	1	24321-000600	O-RING, 1AG60.0	1							
13	1	171056-49120	PLUG, DRAIN R1/4	1							
14	1	121520-34810	GUIDE, DIPSTICK	1							
15	1	129953-34830	DIPSTICK	1							
17	1	129900-32030	O-RING, P20	1							
18	1	129953-35000	PIPE ASSY, OIL INLET	1							
23	1	26106-080122	BOLT, M8X 12 PLATED	1							
24	1	26106-080162	BOLT, M8X 16 PLATED	1							
25	1	119005-35151	FILTER, D80X100	1							1

Remarks
(1)Spare parts.

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{YES}{NO}$ New, R:Old $\frac{YES}{NO}$ New, S:Old $\frac{YES}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.11. LUB. OIL PIPE

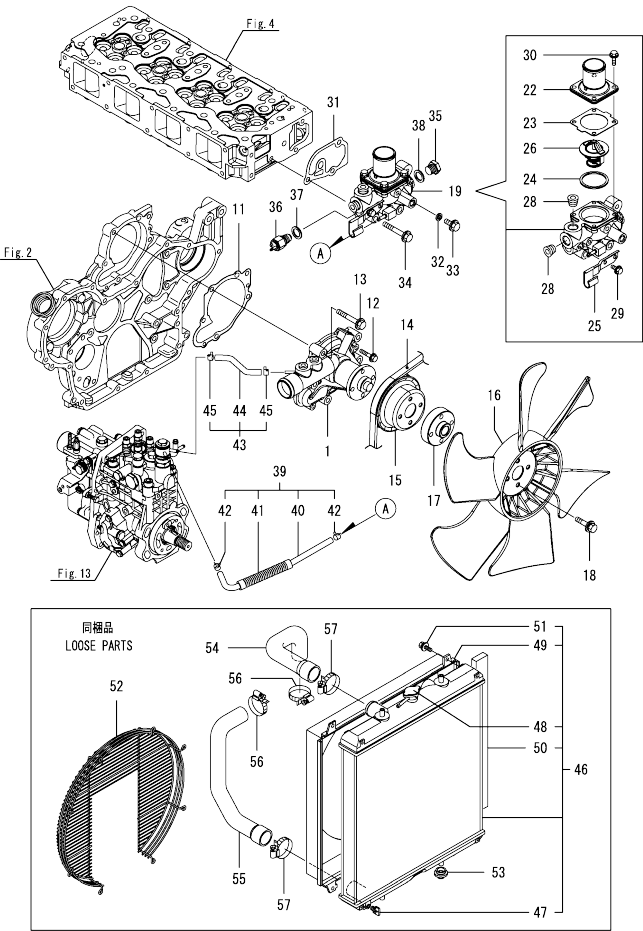


(A)=4TNV98T-GGQ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	114250-39450	SWITCH, HYDRAULIC	1							
2	1	129935-39040	PIPE ASSY, OIL	1							
4	2	124223-39900	RETAINER	1							
7	1	105010-39140	BOLT, PIPE JOINT	1							
7-1	1	129198-59540	BOLT, PIPE JOINT M8	1							S
(A="2020.06)											
8	1	121252-39150	BOLT, JOINT M10X1.5	1							
9	1	22190-080002	WASHER, SEAL 8	2							
10	1	23414-100000	GASKET, 10X1.0	2							
11	1	26106-080122	BOLT, M8X 12 PLATED	1							
12	1	129907-39061	PIPE ASSY, OIL	1							
14	2	123907-39500	RETAINER, PIPE	1							
16	1	129005-59830	BOLT ASSY, JOINT M8	2							
17	2	22190-080002	WASHER, SEAL 8	2							
18	2	23857-030000	BOLT, JOINT 3	2							
19	1	22190-080002	WASHER, SEAL 8	2							
20	1	26106-080122	BOLT, M8X 12 PLATED	1							
21	1	22190-080002	WASHER, SEAL 8	2							
22	1	26106-080122	BOLT, M8X 12 PLATED	2							
23	1	124070-13300	ELBOW, PT3/8	1							
24	1	129935-39610	PIPE, OIL	1							
26	2	123910-39850	RETAINER	1							
27	1	129908-39690	GASKET	1							
28	1	123901-39820	HOSE, LO RETURN	1							
29	1	106500-44810	SPACER, PULLEY	1							
30	1	23000-025000	CLAMP, 25	2							
31	1	26106-060162	BOLT, M6X 16 PLATED	2							
32	1	26106-080182	BOLT, M8X 18 PLATED	1							
33	1	129908-39410	VALVE ASSY, CHECK	4							
39	1	119000-39650	NOZZLE, COOLING	4							
40	1	22351-030010	PIN, SPRING 3.0X10	4							

Fig.12. COOLING WATER SYSTEM



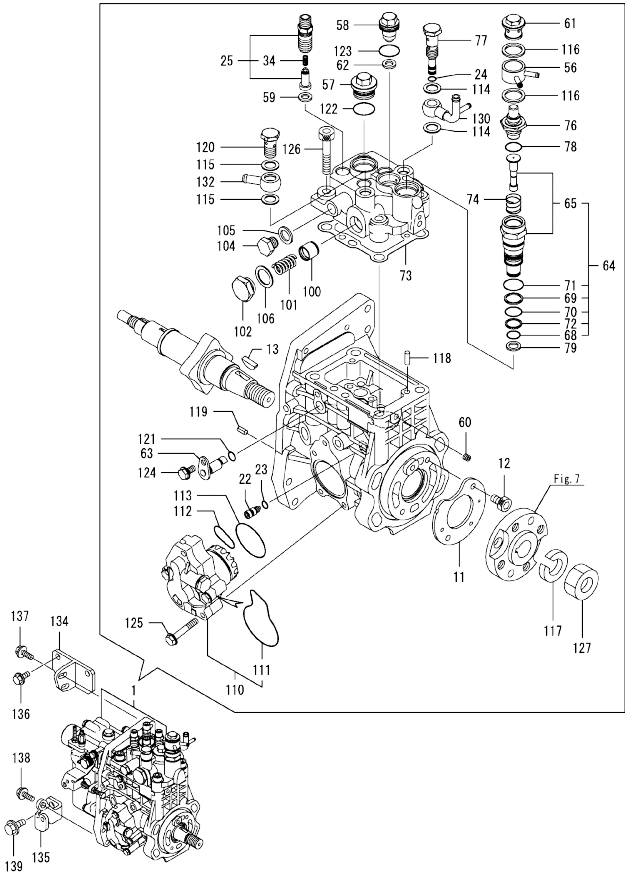
(A)=4TNV98T-GGQ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129907-42002	PUMP ASSY, CW LOW	1							
11	1	129900-42020	GASKET, WATER PUMP	1							
12	1	26106-060302	BOLT, M6X 30 PLATED	2							
13	1	26106-080552	BOLT, M8X 55 PLATED	5							
14	1	129940-42320	V-BELT, A41	1							
15	1	129900-42462	V-PULLEY, PUMP	1							
16	1	129916-44740	FAN, COOLING D=430	1							
17	1	119130-44760	SPACER, FAN	1							
18	1	26014-080352	BOLT, M8X 35	4							
19	1	129907-49800	CASE ASSY,THERMOSTAT	1							
22	2	129916-49530	COVER, THERMOSTAT	1							
23	2	121850-49540	GASKET, THERMOSTAT	1							
24	2	121850-49550	GASKET, THERMOSTAT	1							
25	2	129907-49730	RETAINER, PIPE	1							
26	2	121850-49811	THERMOSTAT, 71C	1							
28	2	23875-030000	PLUG, R03	2							
29	2	26106-060122	BOLT, M6X 12 PLATED	1							
30	2	26106-060202	BOLT, M6X 20 PLATED	4							
31	1	129900-49870	GASKET, THERMOSTAT	1							
32	1	23414-080000	GASKET, 8X1.0	1							
33	1	26106-080122	BOLT, M8X 12 PLATED	1							
34	1	26106-080602	BOLT, M8X 60 PLATED	3							
35	1	121450-42450	PLUG, M16	1							
36	1	121250-44901	SWITCH, THERMO 110	1							
37	1	124465-44950	GASKET, 16	1							
38	1	124465-44950	GASKET, 16	1							
39	1	129907-49610	HOSE ASSY, WATER	1							
40	2	129907-49710	HOSE, WATER	1							
41	2	129907-49750	TUBE, CORRUGATED	1							
42	2	124722-59050	CLAMP, HOSE 9	2							
43	1	129907-49620	HOSE ASSY, WATER	1							
44	2	129907-49720	HOSE, WATER	1							
45	2	124722-59050	CLAMP, HOSE 9	2							
46	1	129940-44500	RADIATOR ASSY	1							
47	2	129508-44550	COCK ASSY	1							
48	2	129107-44590	CAP, RADIATOR	1							
49	2	129907-44600	SHROUD	1							
50	2	129907-44610	GASKET	2							
51	2	26014-060122	BOLT, M6X 12	4							
52	1	129907-44560	GUARD, FAN	1							
53	1	119255-44660	ABSORBER	2							
54	1	129981-49050	HOSE, WATER	1							
55	1	129981-49062	HOSE, WATER	1							
56	1	23010-050000	CLAMP, 50	2							
57	1	23010-060000	CLAMP, 60	2							

OCD50-M01250 4TNV98T-GGQ

Fig.13. FUEL INJECTION PUMP

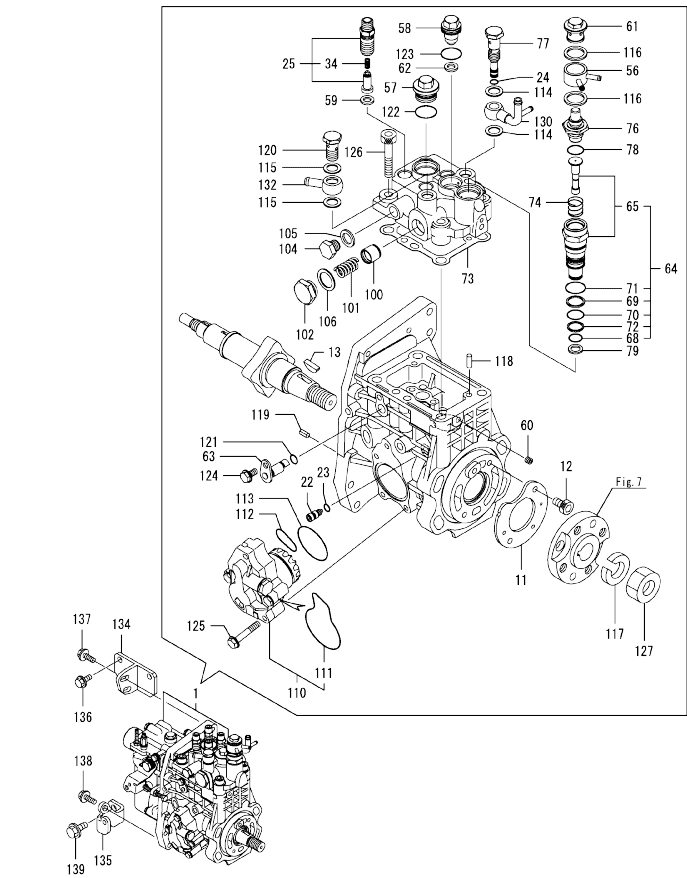


Remarks
(1)Governor(Fig.14) is incorporated in this Fuel Injection Pump(No.1).

OCD50-M01250 Fig.13									
(A)=4TNV98T-GGQ (D)= (B)= (E)= (C)= (F)=									
No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	729937-51390	FIE ASSY	1					1
11	2	129928-51900	COVER	1					
12	2	129008-51920	BOLT, SOCKET M6X10	2					
13	2	144626-51090	FEATHER KEY, 5X19	1					
22	2	158600-51270	STOPPER, TAPPET	1					
23	2	158563-51281	O-RING, 4D S6	1					
24	2	158563-51281	O-RING, 4D S6	1					
25	2	129509-51390	VALVE ASSY, DELIVERY	4					
34	3	158563-51330	SPRING, DELIVERY	4					
56	2	158553-51551	JOINT, COOLING WATER	1					
57	2	158601-51550	PLUG, M22	1					
58	2	129907-51560	PLUG, M16	1					
59	2	158552-51571	GASKET, PLUG	4					
60	2	158557-51570	PLUG, RACK	1					
61	2	158601-51570	PLUG	1					
62	2	129906-51580	GASKET, PLUG	1					
63	2	158552-51580	LIFTER, LINK	1					
64	2	119802-51590	TIMER ASSY	1					
65	3	119802-51600	TIMER ASSY	1					
68	3	158553-51670	O-RING	1					
69	3	119802-51680	RING, BACKUP	1					
70	3	119802-51690	O-RING	1					
71	3	24356-190200	O-RING, 4D19020	1					
72	3	24372-000150	RING, BACK UP T2P15	1					
73	2	158560-51600	GASKET	1					
74	2	158553-51630	SPRING, TIMER	1					
76	2	158553-51640	THERMOELEMENT	1					
77	2	158601-51650	JOINT, OVER FLOW	1					
78	2	158553-51660	O-RING, P14	1					
79	2	158553-51680	GASKET, TIMER	1					
100	2	158601-51770	PISTON, ACCUMULATOR	1					
101	2	158552-51781	SPRING, ACCUMULATOR	1					
102	2	158601-51790	PLUG	1					
104	2	158553-51930	PLUG, M12	1					
105	2	22190-120002	WASHER, SEAL 12	1					
106	2	22190-180002	WASHER, SEAL 18	1					
110	2	158552-52100	PUMP ASSY, FUEL FEED	1					
111	3	158552-52500	O-RING	1					
112	2	158552-52311	O-RING	1					
113	2	158552-52400	O-RING, 4E S42	1					
114	2	22190-120002	WASHER, SEAL 12	2					
115	2	22190-120002	WASHER, SEAL 12	2					
116	2	22190-180002	WASHER, SEAL 18	2					
117	2	22217-180000	WASHER, SPRING 18	1					
118	2	22312-050140	PIN, PARALLEL 5X14	2					
119	2	22351-050010	PIN, SPRING 5.0X10	2					
120	2	23857-060000	BOLT, JOINT 6	1					
121	2	24311-000070	O-RING, 1AP7.0	1					
122	2	24356-190200	O-RING, 4D19020	1					
123	2	24356-240210	O-RING, 4D24021	1					
124	2	26106-060102	BOLT, M6X 10 PLATED	1					

N:Old $\frac{NBS}{NCS}$ New, O:Old $\frac{OBS}{OCS}$ New, R:Old $\frac{RBS}{RCS}$ New, S:Old $\frac{SBS}{SCS}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Fig.13. FUEL INJECTION PUMP



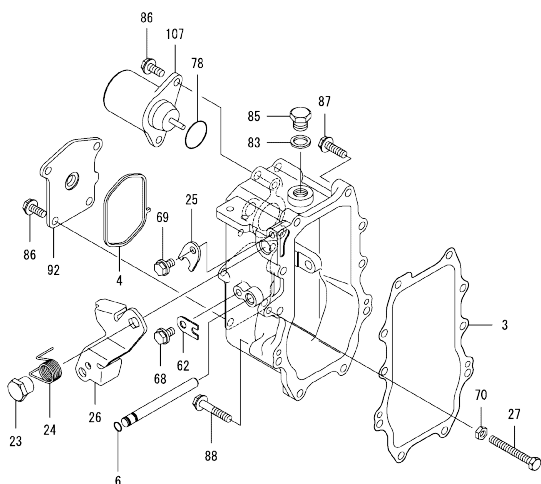
Remarks
(1)Governor(Fig.14) is incorporated in this Fuel Injection Pump(No.1).

(A)=4TNV98T-GGQ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
125	2	26106-060352	BOLT, M6X 35 PLATED	4							
126	2	26450-100452	BOLT, M10X 45	4							
127	2	26776-180002	NUT, LOCK M18	1							
130	2	158552-51670	JOINT, OVER FLOW	1							
132	2	129916-59020	JOINT, PIPE 12	1							
134	1	129907-01950	RETAINER, PUMP	1							
135	1	129907-01960	RETAINER, PUMP	1							
136	1	26106-080162	BOLT, M8X 16 PLATED	2							
137	1	26106-080222	BOLT, M8X 22 PLATED	2							
138	1	26106-080222	BOLT, M8X 22 PLATED	1							
139	1	26106-100202	BOLT, M10X 20 PLATED	1							

Fig.14. GOVERNOR



* This figure(Governor) is incorporated in the Fuel Injection Pump(Fig.13).

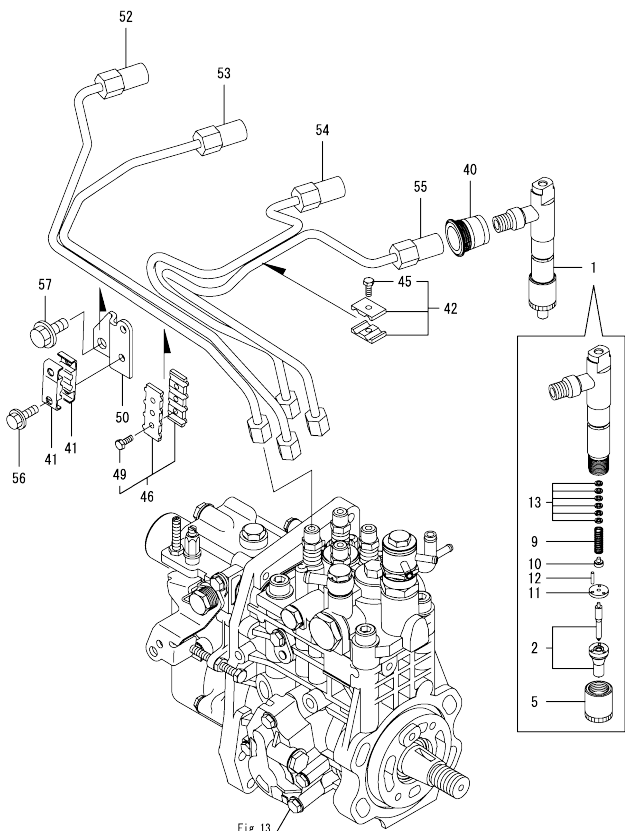
(D)=
(E)=

 Q^*

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	2	158560-61050	GASKET	1							
4	2	158560-61071	GASKET	1							
6	2	129155-51280	O-RING, S6	1							
23	2	129255-61410	NUT, M8	1							
24	2	119807-61420	SPRING, RETURN	1							
25	2	158560-61430	STOPPER, SHAFT	1							
26	2	129937-61440	LEVER, REGULATOR	1							
27	2	129155-61460	BOLT, LIMITING	1							
62	2	119660-61901	STOPPER, SHAFT	1							
68	2	26106-060102	BOLT, M6X 10 PLATED	1							
69	2	26106-060102	BOLT, M6X 10 PLATED	1							
70	2	26756-060002	NUT, LOCK M6	1							
78	2	158552-61900	O-RING	1							
83	2	22190-160002	WASHER, SEAL 16	1							
85	2	23887-160002	PLUG, 16	1							
86	2	26106-060142	BOLT, M6X 14 PLATED	6							
87	2	26106-060252	BOLT, M6X 25 PLATED	8							
88	2	26106-060402	BOLT, M6X 40 PLATED	2							
92	2	129946-61061	COVER, GOVERNOR CASE	1							
107	2	119653-77950	SOLENOID, STOP	1							

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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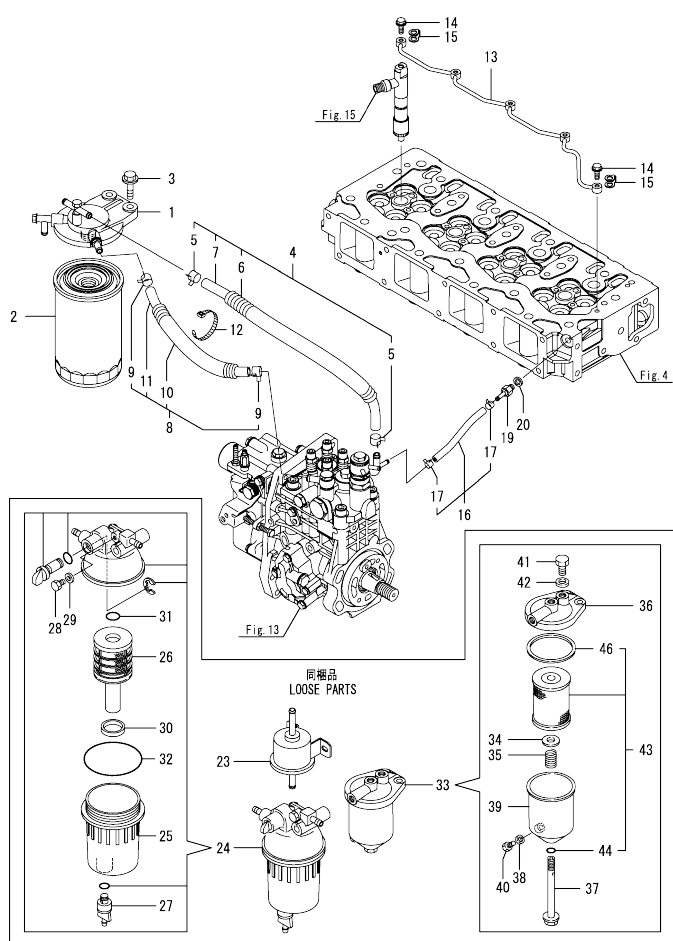
Fig.15. FUEL INJECTION VALVE



(A)=4TNV98T-GGQ
(B)=
(C)=

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

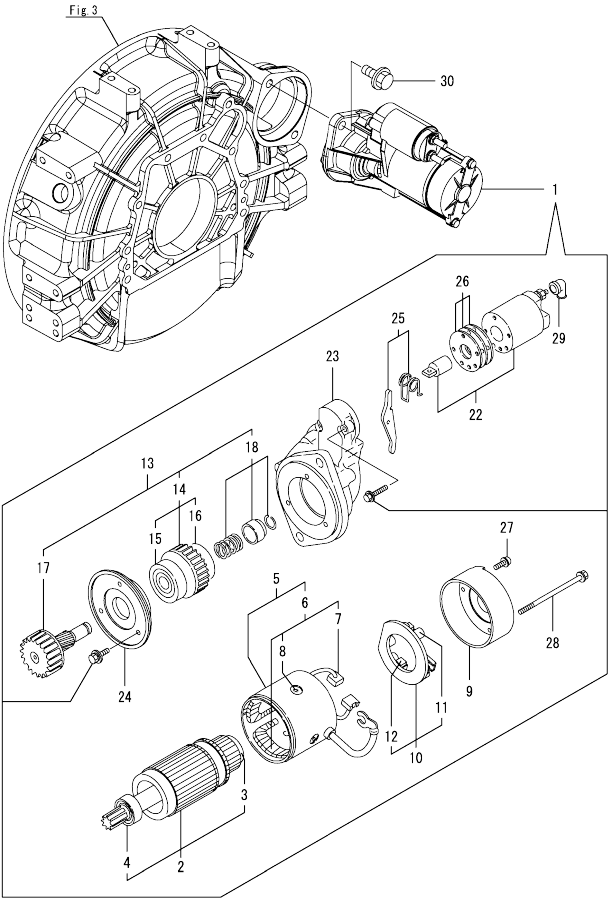
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729906-53100	FUEL INJECTOR ASSY	4							
2	2	129906-53000	NOZZLE ASSY, F.I.	4							
5	2	114250-53080	NUT, NOZZLE	4							
9	2	114250-53120	SPRING, NOZZLE	4							
10	2	114250-53130	SEAT, SPRING	4							
11	2	114250-53140	SPACER	4							
12	2	114250-53210	PIN	8							
13	2	119803-53400	SHIM SET	4							
40	1	123907-11601	SEAL, PIPE	4							
41	1	122780-59100	RETAINER	2							
42	1	119305-59120	RETAINER, PIPE	1							
45	2	129150-59131	BOLT, M4X14	1							
46	1	129550-59120	RETAINER, PIPE	1							
49	2	129150-59131	BOLT, M4X14	2							
50	1	129907-59710	SUPPORT	1							
52	1	129908-59810	PIPE ASSY, INJECTION	1							
53	1	129908-59820	PIPE ASSY, INJECTION	1							
54	1	129908-59830	PIPE ASSY, INJECTION	1							
55	1	129908-59840	PIPE ASSY, INJECTION	1							
56	1	26106-060162	BOLT, M6X 16 PLATED	2							
57	1	26106-080182	BOLT, M8X 18 PLATED	1							



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-55612	BRACKET, FILTER	1							
2	1	123907-55801	FILTER, FUEL	1							
3	1	26106-080302	BOLT, M8X 30 PLATED	2							
4	1	129457-59010	HOSE ASSY, FUEL	1							
5	2	124766-59050	CLAMP, HOSE 11.5	2							
6	2	129957-59120	TUBE, CORRUGATED 15	1							
7	2	105025-59750	HOSE, FUEL	1							
8	1	129981-59010	HOSE ASSY, FUEL	1							
9	2	124766-59050	CLAMP, HOSE 11.5	2							
10	2	129950-59221	TUBE, CORRUGATED 15	1							
11	2	129980-59510	HOSE, FUEL	1							
12	1	121750-59890	BAND, NYLON	1							
13	1	129907-59140	PIPE ASSY, RETURN	1							
14	1	123907-59540	BOLT, PIPE JOINT M6	5							
15	1	123907-59550	GASKET	5							
16	1	129486-59551	HOSE ASSY, RETURN	1							
17	2	124722-59050	CLAMP, HOSE 9	2							
19	1	123907-59560	JOINT, HOSE	1							
20	1	22190-080002	WASHER, SEAL 8	1							
23	1	119225-52102	PUMP, FUEL FEED	1							
24	1	129242-55701	SEPARATOR ASSY,WATER	1							
25	2	129242-55720	CUP, SEPARATOR	1							
26	2	129242-55730	ELEMENT, FUEL	1							
27	2	129242-55740	PLUG, DRAIN	1							
28	2	129242-55750	VALVE, AIR VENT	1							
29	2	129242-55760	GASKET, PLUG	1							
30	2	129242-55770	FLOAT	1							
31	2	24311-000160	O-RING, 1AP16.0	1							
32	2	24321-000750	O-RING, 1AG75.0	1							
33	1	129065-55750	SEPARATOR ASSY,WATER	1							
34	2	123325-35160	WASHER	1							
35	2	129065-55170	SPRING, FILTER	1							
36	2	129495-55610	BODY, STRAINER	1							
37	2	129495-55620	BOLT	1							
38	2	123672-55760	GASKET	1							
39	2	129065-55760	CASE, SEPARATOR	1							
40	2	129065-55770	PLUG, DRAIN M8	1							
41	2	129065-55800	PLUG, M14	1							
42	2	123678-55890	GASKET, PLUG	1							
43	2	41650-502320	ELEMENT ASSY(D72XL90	1							
44	3	24311-000120	O-RING, 1AP12.0	1							
46	3	123325-35140	GASKET	1							

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

Fig.17. STARTER MOTOR



(A)=4TNV98T-GGQ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-77040	STARTER ASSY	1							
2	2	129900-77120	ARMATURE ASSY	1							
3	3	171008-77410	BEARING, BALL	1							
4	3	171008-77420	BEARING, BALL	1							
5	2	129900-77130	YOKE ASSY	1							
6	3	129900-77140	COIL ASSY, FIELD	1							
7	4	129900-77450	BRUSH	2							
8	4	171008-77450	SCREW, CORE SET	4							
9	2	129900-77150	COVER	1							
10	2	129900-77160	HOLDER ASSY, BRUSH	1							
11	3	X2130631300	SPRING, BRUSH	4							
12	3	129900-77450	BRUSH	2							
13	2	129900-77170	CLUTCH ASSY	1							
14	3	129900-77180	CLUTCH ASSY	1							
15	4	129900-77190	BEARING, BALL	1							
16	4	X2114955020	BEARING, BALL	1							
17	3	129900-77270	SHAFT, PINION	1							
18	3	171008-77670	STOPPER SET, PINION	1							
22	2	129900-77280	SWITCH ASSY, MAGNET	1							
23	2	129900-77290	CASE, GEAR	1							
24	2	129900-77380	RETAINER, BEARING	1							
25	2	129900-77390	LEVER ASSY, SHIFT	1							
26	2	129900-77420	COVER KIT, DUST	1							
27	2	129900-77430	SCREW, M4X10	2							
28	2	129685-77640	BOLT, THROUGH	2							
29	2	171008-77750	COVER, TERMINAL	1							
30	1	26106-120252	BOLT, M12X 25 PLATED	2							

Fig.18. GENERATOR

(A)=4TNV98T-GGQ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129795-01900	BOLT, STUD M10X33	1							
2	1	129423-77200	GENERATOR ASSY, 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, BEARING	1							
7	2	119620-77421	FRAME ASSY, GENERATOR	1							
8	3	119620-79200	BEARING, BALL	1							
9	3	119620-79210	RETAINER	1							
10	3	119620-79220	SCREW	4							
11	3	119620-79230	BOLT, STUD	2							
12	2	119620-77440	FRAME ASSY	1							
13	2	119620-77461	PULLEY, GENERATOR	1							
14	2	119620-77471	NUT	1							
15	2	119620-77490	COLLAR	1							
16	2	129423-77710	REGULATOR ASSY	1							
17	2	119620-79260	HOLDER	1							
18	2	129052-79270	HOLDER, BRUSH	1							
19	3	119620-77480	BRUSH	2							
20	3	119620-79280	SPRING	2							
21	2	119620-79290	SCREW	6							
22	2	119620-79300	SCREW	1							
23	2	129240-79300	COVER	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	129900-77330	ADJUSTER, BELT	1							
32	1	119810-77340	BOLT, ADJUST L=30	1							
33	1	26014-080252	BOLT, M8X 25	1							
34	1	119643-66900	DIODE	1							
35	1	119650-77911	RELAY ASSY, GLOW	2							
38	1	128300-77920	TIMER	1							
39	1	129211-77920	TIMER	1							

Parts No. Index

Parts No.	Fig. No.	Ref. No.
105010-39140	11	7
105025-59750	16	7
106500-44810	11	29
114250-39450	11	1
114250-53080	15	5
114250-53120	15	9
114250-53130	15	10
114250-53140	15	11
114250-53210	15	12
119000-01840	3	3
119000-39650	11	39
119005-35151	10	25
119005-77051	5	10
119006-03090	4	63
119100-11330	4	56
119129-77020	5	8
119130-44760	12	17
119131-18320	8	3
119160-12530	5	15
119160-12540	5	16
119160-12560	5	17
119160-12570	5	18
119225-52102	16	23
119255-44660	12	53
119305-59120	15	42
119593-11301	4	29
119620-11180	4	14
119620-77380	18	4
119620-77421	18	7
119620-77440	18	12
119620-77461	18	13
119620-77471	18	14
119620-77480	18	19
119620-77490	18	15
119620-79200	18	8
119620-79210	18	9
119620-79220	18	10
119620-79230	18	11
119620-79250	18	6
119620-79260	18	17
119620-79280	18	20
119620-79290	18	21
119620-79300	18	22
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	25

Parts No.	Fig. No.	Ref. No.
119640-01640	3	7
119643-66900	18	34
119650-77911	18	35
119653-77950	14	107
119660-61901	14	62
119802-11870	4	24
119802-51590	13	64
119802-51600	13	65
119802-51680	13	69
119802-51690	13	70
119803-11340	4	15
119803-53400	15	13
119807-61420	14	24
119810-77340	18	32
120130-22301	9	22
121023-01551	2	29
121250-44901	12	36
121252-39150	11	8
121450-42450	12	35
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