

0CD50-M00060EN

P R E F A C E

This parts catalog is the 1st edition of 4TNV94L-BVSU for Sunward.

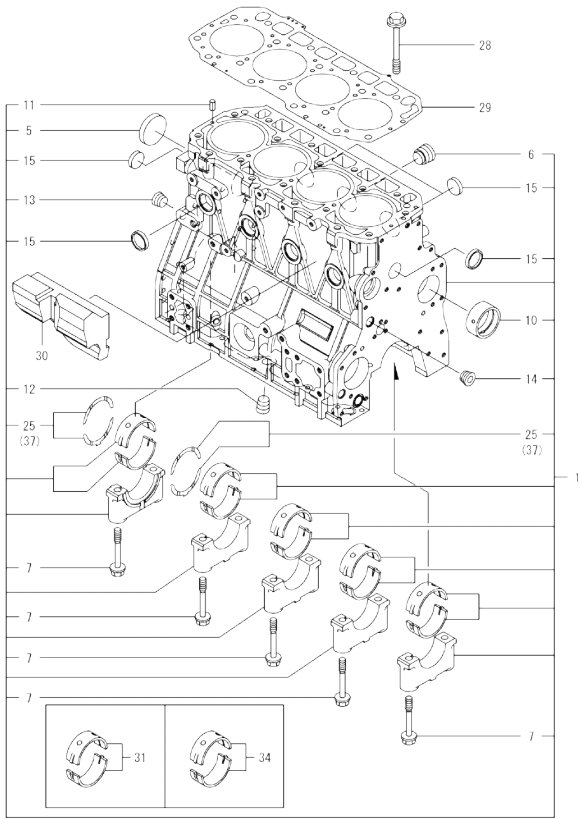
Published : November, 2013

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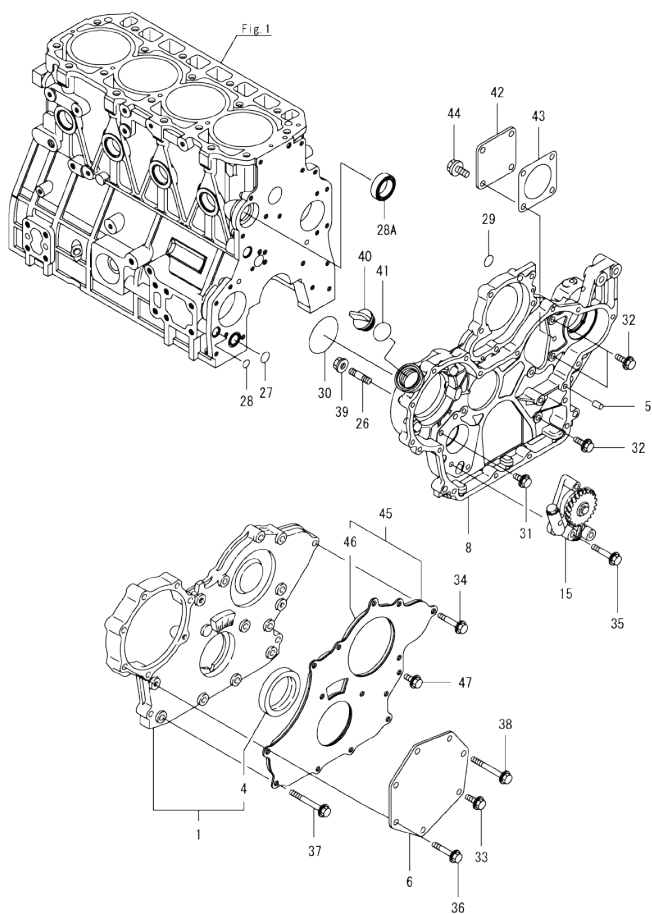
Fig. No.	Fig. Name	Fig. No.	Fig. Name
4TNV94L-BVSU			
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	FLYWHEEL HOUSING & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD & AIR CLEANER		
6.	EXHAUST MANIFOLD & SILENCER		
7.	CAMSHAFT & DRIVING GEAR		
8.	CRANKSHAFT & PISTON		
9.	LUB. OIL SYSTEM		
10.	COOLING WATER SYSTEM		
11.	FUEL INJECTION PUMP		
12.	GOVERNOR		
13.	FUEL INJECTION VALVE		
14.	FUEL PIPE		
15.	STARTER MOTOR		
16.	GENERATOR		
17.	GASKET SET		

0CD50-M00060 4TNV94L-BVSU
Fig.1. CYLINDER BLOCK



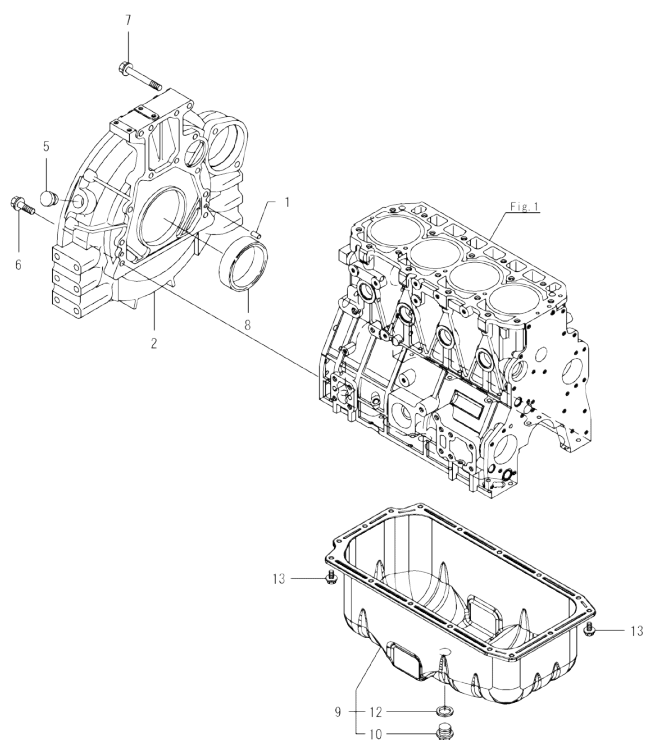
Remarks
(1)Spare part.
(2)Under-sized(U.S.=0.25)part.
(3)Over-sized(O.S.=0.25)part.

				(A)=4TNV94L-BVSU		(D)=		0CD50-M00060 Fig.1			
				(B)=		(E)=					
				(C)=		(F)=					
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729906-01561	BLOCK ASSY, CYLINDER	1							
5	2	129900-01250	PLUG, DISH TYPE 55	1							
6	2	171051-01921-Z	PLUG, NPTF1	1							
7	2	129900-02020	BOLT, METAL CAP	10							
10	2	129900-02410	BUSH, CAMSHAFT	1							
11	2	22351-060012	PIN, SPRING 6.0X12	2							
12	2	23876-030000	PLUG, R03	1							
13	2	23876-030000	PLUG, R03	1							
14	2	23876-030000	PLUG, R03	1							
15	2	27241-300000	PLUG 30	8							
25	2	129900-02931	BEARING ASSY, THRUST	2							
28	1	129900-01200	BOLT, CYLINDER HEAD	18							
29	1	129906-01350	GASKET, HEAD	1							
30	1	129907-01190	SPACER	1							
31	1	729900-02801	BEARING, MAIN	5							
34	1	129900-02341	BEARING ASSY, MAIN	5							
37	1	129900-02941	BEARING, THRUST 0.25	2							



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729907-01559	COVER ASSY,GEAR CASE	1							
4	2	129916-01800	SEAL, OIL	1							
5	1	129100-01580	PIN, PARALLEL 8X16	4							
6	1	129951-01740	COVER	1							
8	1	129907-01500	CASE, GEAR	1							
15	1	129900-32001	PUMP ASSY, OIL	1							
26	1	26216-100302	STUD, M10X 30	4							
27	1	129900-32030	O-RING, P20	1							
28	1	129900-32040	O-RING, P14	1							
28A	1	129927-42140	GASKET, PUMP OUTLET	1							W
		(A=EG3242)									
29	1	24311-000070	O-RING, 1AP7.0	1							
30	1	24351-030750	O-RING, 1A3075	1							
31	1	26106-080162	BOLT, M8X 16 PLATED	1							
32	1	26106-080202	BOLT, M8X 20 PLATED	3							
33	1	26106-080202	BOLT, M8X 20 PLATED	1							
34	1	26106-080402	BOLT, M8X 40 PLATED	5							
35	1	26106-080452	BOLT, M8X 45 PLATED	3							
36	1	26106-080452	BOLT, M8X 45 PLATED	5							
37	1	26106-080702	BOLT, M8X 70 PLATED	6							
38	1	26106-080752	BOLT, M8X 75 PLATED	1							
39	1	26306-100002	NUT, M10	4							
40	1	124160-01751	CAP, FILLER	1							
41	1	24311-000320	O-RING, 1AP32.0	1							
42	1	124240-01871	COVER, PUMP	1							
43	1	129C26-01890	GASKET, HO-P	1							
44	1	26106-080162	BOLT, M8X 16 PLATED	4							
45	1	129900-01850	COVER ASSY,GEAR CASE	1							
46	2	129900-01870	SPONGE, GEAR CASE	1							
47	1	26106-080162	BOLT, M8X 16 PLATED	3							

Fig.3. FLYWHEEL HOUSING & OIL SUMP



0CD50-M00060 Fig.3

(A)=4TNV94L-BVSU
(B)=
(C)=

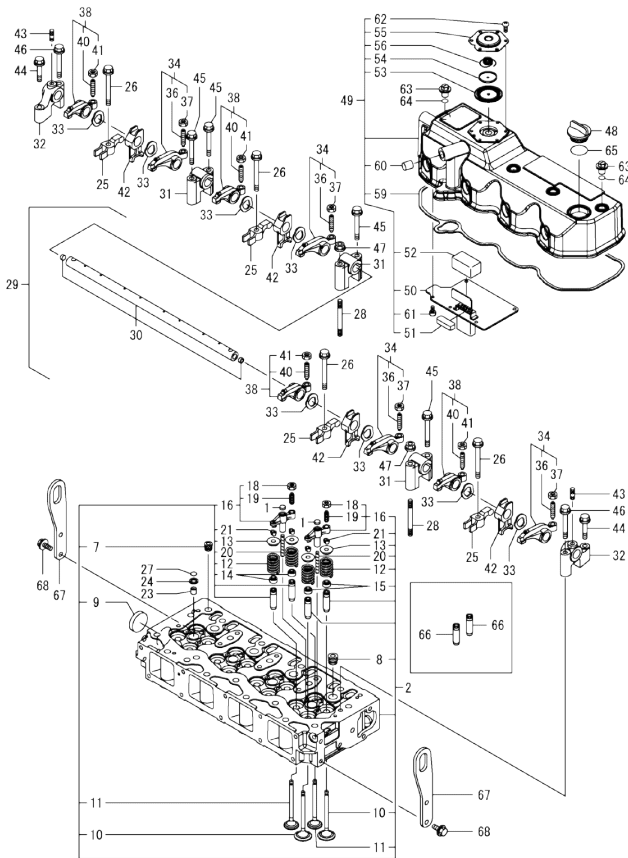
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129100-01580	PIN, PARALLEL 8X16	2							
2	1	129900-01620	HOUSING, FLYWHEEL	1							
5	1	119620-01750	CAP	1							
6	1	26206-100352	BOLT, M10X 35 PLATED	9							
7	1	26206-100702	BOLT, M10X 70 PLATED	4							
8	1	129916-01790	SEAL, D115/95X11	1							
9	1	129916-01710	OIL PAN ASSY	1							
10	2	119640-01640	PLUG, DRAIN M22	1							
12	2	22190-220002	WASHER, SEAL 22	1							
13	1	26106-080122	BOLT, M8X 12 PLATED	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:Qty Change

OCD50-M00060 4TNV94L-BVSU

Fig.4. CYLINDER HEAD & BONNET



Remarks
(1)Spare part.

OCD50-M00060 Fig.4

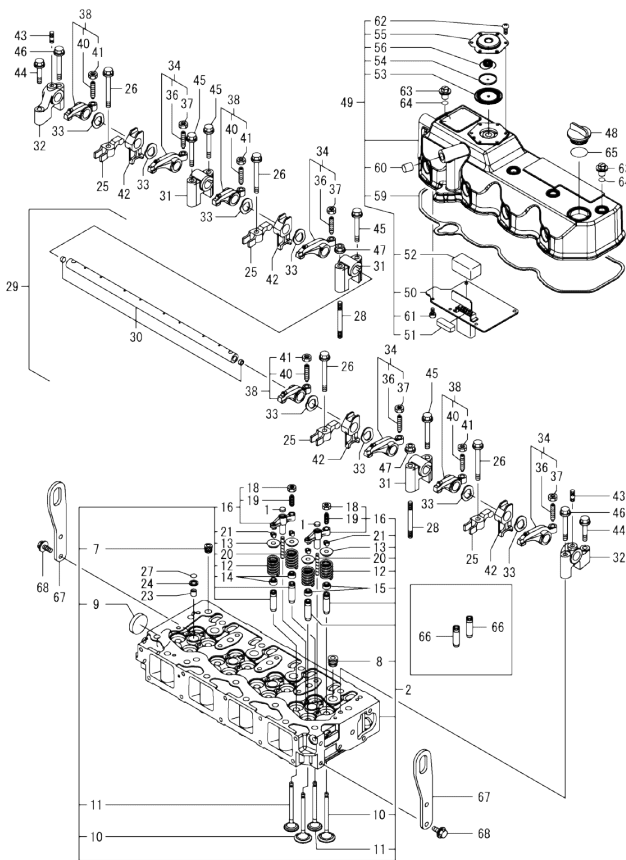
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(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	123907-11550	SEAT, VALVE BRIDGE	8							
2	1	129907-11700	HEAD ASSY, CYLINDER	1							
7	2	23876-020000	PLUG, R02	1							
8	2	23876-030000	PLUG, R03	4							
9	2	27241-400000	PLUG, 40	1							
10	2	129907-11100	VALVE, SUCTION	8							
11	2	129907-11110	VALVE, EXHAUST	8							
12	2	129907-11120	SPRING, VALVE	16							
13	2	119620-11180	RETAINER, SPRING	16							
14	2	119803-11340	SEAL, VALVE STEM	8							
15	2	124160-11340	SEAL, VALVE STEM	8							
16	2	129907-11510	BRIDGE ASSY, VALVE	8							
18	3	129150-11750	NUT, M8	8							
19	3	123907-11830	ADJUSTER	8							
20	2	123907-11820	GUIDE, BRIDGE	8							
21	2	27310-070001	COTTER, 7	16							
23	1	119802-11870	PROTECTOR, NOZZLE	4							
24	1	119625-11880	SEAT, NOZZLE	4							
25	1	129907-11910	RETAINER, NOZZLE	4							
26	1	129907-11950	BOLT, M8X75	4							
27	1	24311-000120	O-RING, 1AP12.0	4							
28	1	119593-11301	BOLT, STUD M8X80	2							
29	1	129907-11341	SHAFT ASSY, ROCKER	1							
30	2	129907-11250	SHAFT, ROCKER ARM	1							
31	2	129907-11260	SUPPORT, ROCKER ARM	2							
32	2	129907-11270	SUPPORT, ROCKER ARM	3							
33	2	123907-11280	WASHER	8							
34	2	129907-11650	ARM ASSY, ROCKER	4							
36	3	129150-11230	SCREW, VALVE ADJUST	4							
37	3	129150-11750	NUT, M8	4							
38	2	129907-11660	ARM ASSY, ROCKER	4							
40	3	129150-11230	SCREW, VALVE ADJUST	4							
41	3	129150-11750	NUT, M8	4							
42	2	129907-11920	RETAINER, NOZZLE	4							
43	2	26226-080222	STUD, M8X 22	2							
44	1	26106-080402	BOLT, M8X 40 PLATED	2							
45	1	26106-080602	BOLT, M8X 60 PLATED	4							
46	1	26106-080602	BOLT, M8X 60 PLATED	2							
47	1	26306-080002	NUT, M8	2							
48	1	124160-01751	CAP, FILLER	1							
49	1	129907-11321	BONNET ASSY, HEAD	1							
50	2	129907-03011	PLATE, BAFFLE	1							
51	2	129907-03061	BAFFLE, BREATHER	1							
52	2	129907-03070	BAFFLE, BREATHER	1							
53	2	123907-03100	DIAPHRAGM	1							
54	2	123907-03110	PLATE	1							
55	2	123907-03120	PLATE, BREATHER	1							
56	2	123907-03140	SPRING, DIAPHRAGM	1							
59	2	129933-11310	GASKET, BONNET	1							
60	2	119640-61400	PLUG	1							
61	2	22857-500100	SCREW, 5X10	6							

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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Fig.4. CYLINDER HEAD & BONNET



Remarks
(1)Spare part.

(A)=4TNV94L-BVSU
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
62	2	22857-500100	SCREW, 5X10	6							
63	1	124160-11360	KNOB	4							
64	1	24311-000120	O-RING, 1AP12.0	4							
65	1	24311-000320	O-RING, 1AP32.0	1							
66	1	129907-11800	GUIDE, VALVE	16							1
67	1	129907-07900	LIFTER, ENGINE	2							
68	1	26106-080162	BOLT, M8X 16 PLATED	4							

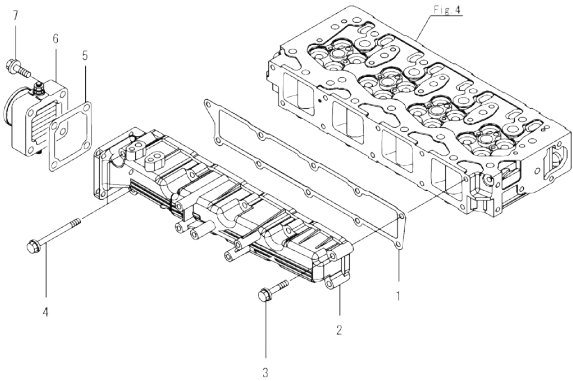
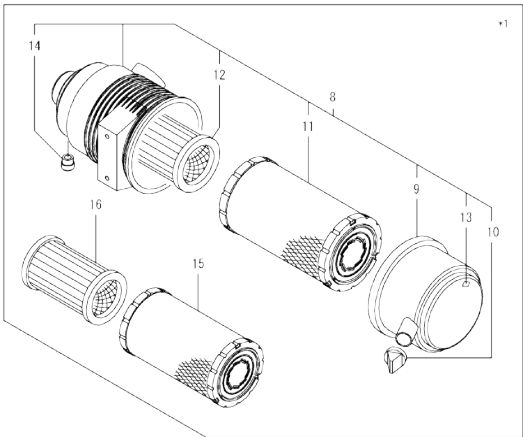
OCD50-M00060 4TNV94L-BVSU

Fig.5. SUCTION MANIFOLD & AIR CLEANER

OCD50-M00060 Fig.5

(A)=4TNV94L-BVSU
(B)=
(C)=

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



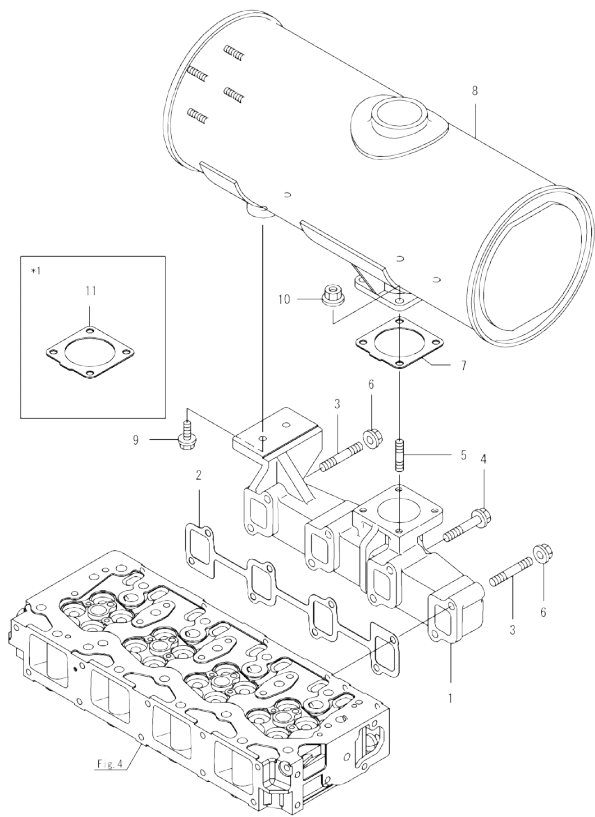
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129907-12110	GASKET, MANIFOLD	1							
2	1	129944-12111	MANIFOLD, AIR INTAKE	1							
3	1	26106-080452	BOLT, M8X 45 PLATED	8							
4	1	26106-080802	BOLT, M8X 80 PLATED	2							
5	1	121850-77021	GASKET, AIR HEATER	1							
6	1	129915-77051	HEATER, AIR 12V	1							
7	1	26106-080352	BOLT, M8X 35 PLATED	4							
8	1	129944-12500	AIR CLEANER ASSY	1							
9	2	129900-12530	COVER ASSY	1							
10	2	119808-12540	VALVE, UNLOAD	1							
11	2	129062-12560	ELEMENT	1							
12	2	119005-12571	ELEMENT, INNER	1							
13	2	129612-12650	LABEL, MARKING	1							
14	2	119140-12680	INDICATOR, CLEANER	1							
15	1	129906-12520	ELEMENT, AIR CLEANER	1							
16	1	119005-12571	ELEMENT, INNER	1							

Remarks
*1.Loose part.

N:Old $\frac{YBS}{100}$ New, Q:Old $\frac{H10}{100}$ New, R:Old $\frac{YBS}{100}$ New, S:Old $\frac{H10}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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OCD50-M00060 4TNV94L-BVSU

Fig.6. EXHAUST MANIFOLD & SILENCER



Remarks
*1.Loose part.

OCD50-M00060 Fig.6

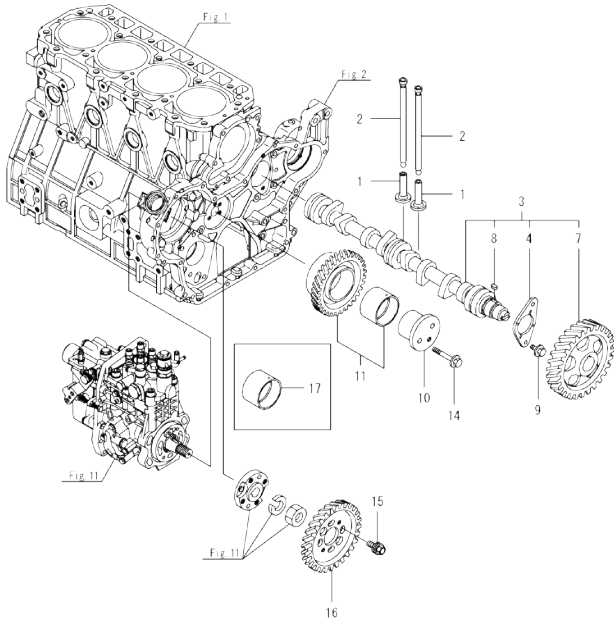
(A)=4TNV94L-BVSU
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129907-13201	MANIFOLD, EXHAUST	1							
2	1	129900-13251	GASKET, EXH.MANIFOLD	1							
3	1	123900-13610	BOLT, STUD M8X80	2							
4	1	123900-13630	BOLT, M8X80	6							
5	1	119131-18320	BOLT, STUD M8X22	4							
6	1	26306-080002	NUT, M8	2							
7	1	129930-13201	GASKET, SILENCER	1							
8	1	129907-13500	SILENCER	1							
9	1	26106-080252	BOLT, M8X 25 PLATED	2							
10	1	26306-080002	NUT, M8	4							
11	1	129930-13201	GASKET, SILENCER	1							

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{R/O}{YES}$ New, R:Old $\frac{YES}{YES}$ New, S:Old $\frac{R/O}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.7. CAMSHAFT & DRIVING GEAR



Remarks
(1)Spare part.

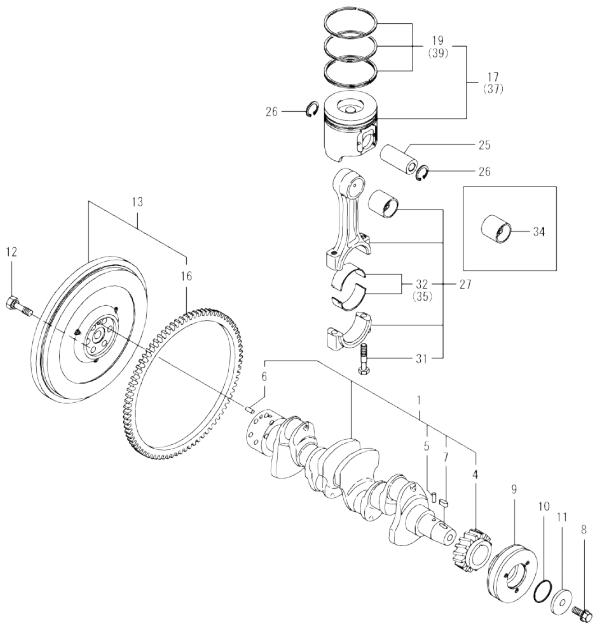
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(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	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							
7	2	129900-14100	GEAR, CAMSHAFT	1							
8	2	22512-070140	KEY, 7X 14	1							
9	1	26106-080142	BOLT, M8X 14 PLATED	2							
10	1	123900-25060	SHAFT, IDLE GEAR	1							
11	1	129900-25100	GEAR ASSY, IDLE	1							
14	1	26106-080552	BOLT, M8X 55 PLATED	3							
15	1	129953-25300	BOLT	4							
16	1	129907-25900	GEAR, PUMP	1							
17	1	129150-25920	BUSH, IDLE GEAR	1							1

OCD50-M00060 4TNV94L-BVSU

Fig.8. CRANKSHAFT & PISTON



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

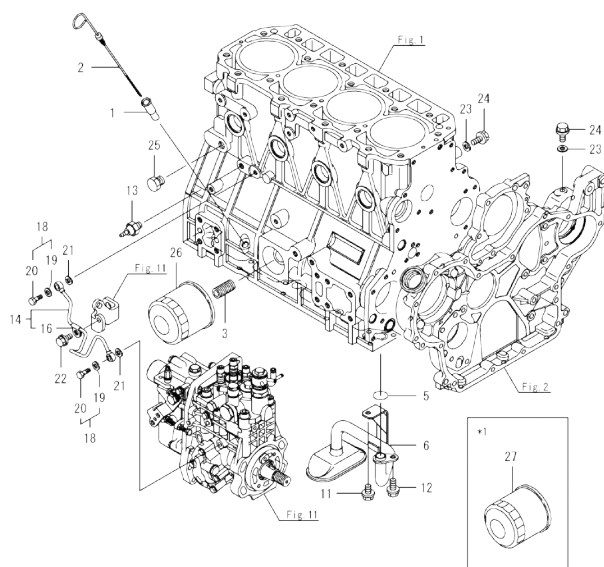
OCD50-M00060 Fig.8

(A)=4TNV94L-BVSU
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129902-21000	CRANKSHAFT ASSY	1							
4	2	129900-21200	GEAR, CRANKSHAFT	1							
5	2	121850-21290	PIN	1							
6	2	121850-21920	PIN, PARALLEL 10X22	1							
7	2	22512-070140	KEY, 7X 14	1							
8	1	129916-21610	BOLT	1							
9	1	129907-21650	V-PULLEY, CRANK 130	1							
10	1	129960-21930	GASKET, WASHER	1							
11	1	129960-21940	WASHER, V-PULLEY	1							
12	1	121850-21130	BOLT, FLYWHEEL	6							
13	1	129916-21590	FLYWHEEL ASSY	1							
16	2	129900-21600	GEAR, RING	1							
17	1	129906-22090	PISTON ASSY	4							
19	2	129906-22050	RING SET, PISTON	4							
25	1	120130-22301	PIN, PISTON	4							
26	1	22252-000300	RING, 30	8							
27	1	129900-23001	ROD ASSY, CONNECTING	4							
31	2	129900-23200	BOLT, CONNECTING ROD	8							
32	2	129900-23601	BEARING, CRANK PIN	4							1
34	1	129900-23911	BEARING, PISTON PIN	4							2
35	1	129900-23611	BEARING ASSY, 0.25US	4							
37	1	129906-22910	PISTON ASSY, 0.25 OS	4							3
39	2	129916-22950	RING SET, 0.25 OS	4							3

Fig.9. LUB. OIL SYSTEM



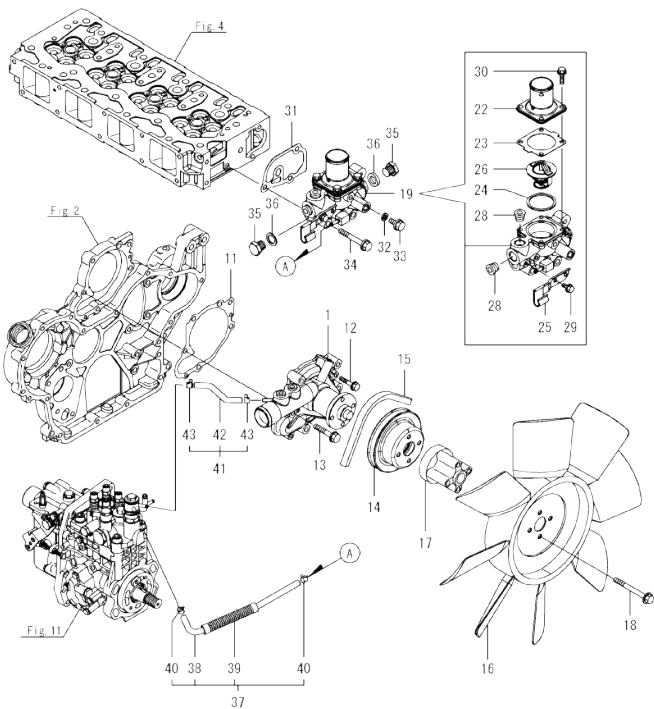
Remarks
*1.Loose part.
(1)Spare part.

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

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	121520-34810	GUIDE, DIPSTICK	1							
2	1	129906-34851	DIPSTICK	1							
3	1	119000-35140	BOLT, STUD FILTER	1							
5	1	129900-32030	O-RING, P20	1							
6	1	129953-35000	PIPE ASSY, OIL INLET	1							
11	1	26106-080122	BOLT, M8X 12 PLATED	1							
12	1	26106-080162	BOLT, M8X 16 PLATED	1							
13	1	114250-39450	SWITCH, HYDRAULIC	1							
14	1	129907-39061	PIPE ASSY, OIL	1							
16	2	123907-39500	RETAINER, PIPE	1							
18	1	129005-59830	BOLT ASSY, JOINT M8	2							
19	2	22190-080002	WASHER, SEAL 8	2							
20	2	23857-030000	BOLT, JOINT 3	2							
21	1	22190-080002	WASHER, SEAL 8	2							
22	1	26106-080122	BOLT, M8X 12 PLATED	1							
23	1	22190-080002	WASHER, SEAL 8	2							
24	1	26106-080122	BOLT, M8X 12 PLATED	2							
25	1	171056-49120	PLUG, DRAIN R1/4	1							
26	1	119005-35151	FILTER, D80X100	1							
27	1	119005-35151	FILTER, D80X100	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.10. COOLING WATER SYSTEM



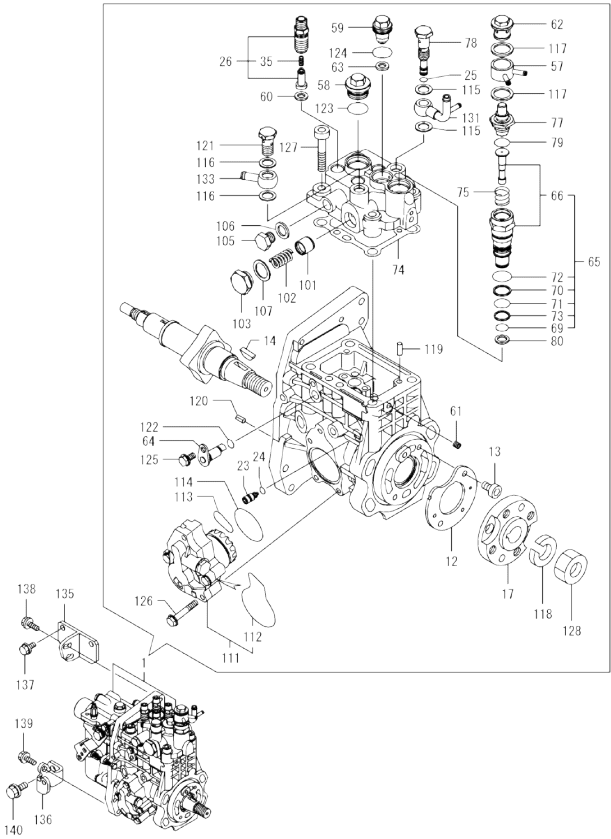
(A)=4TNV94L-BVSU
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129907-42001	PUMP ASSY, WATER	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	129900-42462	V-PULLEY, PUMP	1							
15	1	25152-004100	V-BELT, A41	1							
16	1	129953-44710	FAN, COOLING D=460	1							
17	1	119117-44760	SPACER, FAN	1							
18	1	26106-080802	BOLT, M8X 80 PLATED	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	2							
36	1	124465-44950	GASKET, 16	2							
37	1	129907-49610	HOSE ASSY, WATER	1							
38	2	129907-49710	HOSE, WATER	1							
39	2	129907-49750	TUBE, CORRUGATED	1							
40	2	124722-59050	CLAMP, HOSE 9	2							
41	1	129907-49620	HOSE ASSY, WATER	1							
42	2	129907-49720	HOSE, WATER	1							
43	2	124722-59050	CLAMP, HOSE 9	2							

OCD50-M00060 4TNV94L-BVSU

Fig.11. FUEL INJECTION PUMP



Remarks
(1)Governor(Fig.12)is incorporated in this Fuel Injection Pump (Ref.1).

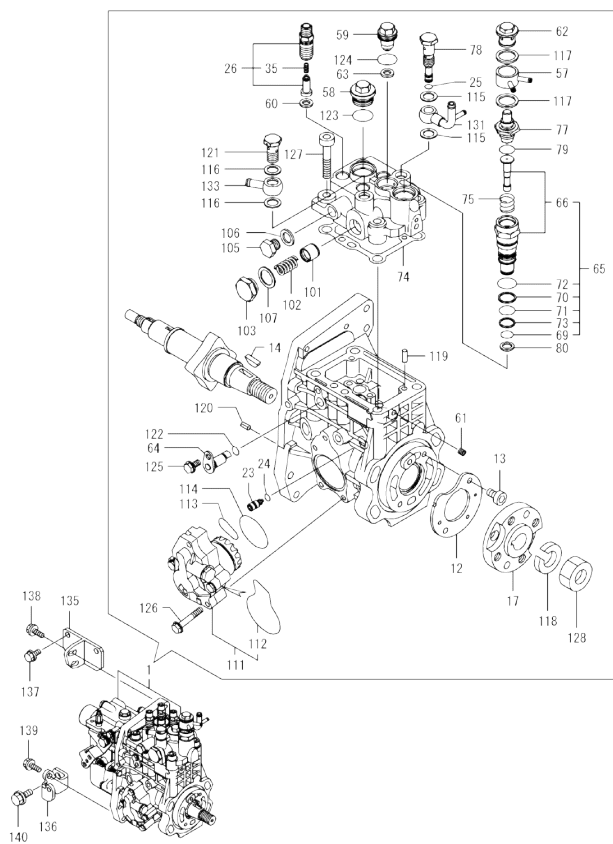
OCD50-M00060 Fig.11

(A)=4TNV94L-BVSU
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729929-51300	FIE ASSY	1							1
1-1	1	729929-51320 (A=EH4576)	FIE ASSY	1						N	1
12	2	129928-51900	COVER	1							
13	2	129008-51920	BOLT, SOCKET M6X10	2							
14	2	144626-51090	FEATHER KEY, 5X19	1							
17	2	158563-51150	FLANGE	1							
23	2	158600-51270	STOPPER, TAPPET	1							
24	2	158563-51281	O-RING, 4D S6	1							
25	2	158563-51281	O-RING, 4D S6	1							
26	2	129509-51390	VALVE ASSY, DELIVERY	4							
35	3	158563-51330	SPRING, DELIVERY	4							
57	2	158553-51551	JOINT, COOLING WATER	1							
58	2	158601-51550	PLUG, M22	1							
59	2	129907-51560	PLUG, M16	1							
60	2	158552-51571	GASKET, PLUG	4							
61	2	158557-51570	PLUG, RACK	1							
62	2	158601-51570	PLUG	1							
63	2	129906-51580	GASKET, PLUG	1							
64	2	158552-51580	LIFTER, LINK	1							
65	2	119802-51590	TIMER ASSY	1							
66	3	119802-51600	TIMER ASSY	1							
69	3	158553-51670	O-RING	1							
70	3	119802-51680	RING, BACKUP	1							
71	3	119802-51690	O-RING	1							
72	3	24356-190200	O-RING, 4D19020	1							
73	3	24372-000150	RING, BACK UP T2P15	1							
74	2	158560-51600	GASKET	1							
75	2	158553-51630	SPRING, TIMER	1							
77	2	158553-51640	THERMOELEMENT	1							
78	2	158601-51650	JOINT, OVER FLOW	1							
79	2	158553-51660	O-RING, P14	1							
80	2	158553-51680	GASKET, TIMER	1							
101	2	158601-51770	PISTON, ACCUMULATOR	1							
102	2	158552-51781	SPRING, ACCUMULATOR	1							
103	2	158601-51790	PLUG	1							
105	2	158553-51930	PLUG, M12	1							
106	2	22190-120002	WASHER, SEAL 12	1							
107	2	22190-180002	WASHER, SEAL 18	1							
111	2	158552-52100	PUMP ASSY, FUEL FEED	1							
112	3	158552-52500	O-RING	1							
113	2	158552-52311	O-RING	1							
114	2	158552-52400	O-RING, 4E S42	1							
115	2	22190-120002	WASHER, SEAL 12	2							
116	2	22190-120002	WASHER, SEAL 12	2							
117	2	22190-180002	WASHER, SEAL 18	2							
118	2	22217-180000	WASHER, SPRING 18	1							
119	2	22312-050140	PIN, PARALLEL 5X14	2							
120	2	22351-050010	PIN, SPRING 5.0X10	2							
121	2	23857-060000	BOLT, JOINT 6	1							
122	2	24311-000070	O-RING, 1AP7.0	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
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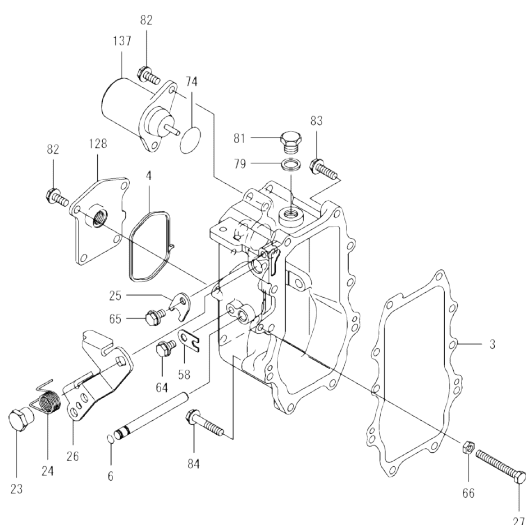
(1) Governor (Fig. 12) is incorporated in this Fuel Injection Pump (Ref. 1).

(A)=4TNV94L-BVSU
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
123	2	24356-190200	O-RING, 4D19020	1							
124	2	24356-240210	O-RING, 4D24021	1							
125	2	26106-060102	BOLT, M6X 10 PLATED	1							
126	2	26106-060352	BOLT, M6X 35 PLATED	4							
127	2	26450-100452	BOLT, M10X 45	4							
128	2	26776-180002	NUT, LOCK M18	1							
131	2	158552-51670	JOINT, OVER FLOW	1							
133	2	129916-59020	JOINT, PIPE 12	1							
135	1	129907-01950	RETAINER, PUMP	1							
136	1	129907-01960	RETAINER, PUMP	1							
137	1	26106-080162	BOLT, M8X 16 PLATED	2							
138	1	26106-080222	BOLT, M8X 22 PLATED	2							
139	1	26106-080222	BOLT, M8X 22 PLATED	1							
140	1	26106-100202	BOLT, M10X 20 PLATED	1							

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



0CD50-M00060 4TNV94L-BVSU
Fig.12. GOVERNOR

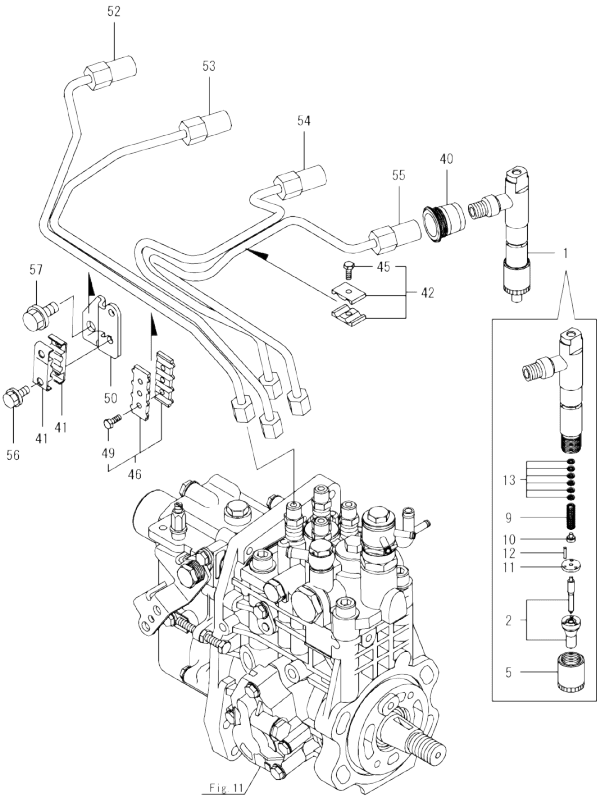
				(A)=4TNV94L-BVSVU (B)= (C)=	0CD50-M00060 Fig.12					
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty (D) (E) (F)			I R
3	2	158560-61050	GASKET	1						
4	2	158560-61071	GASKET	1						
6	2	129155-51280	O-RING, S6	1						
23	2	129255-61410	NUT, M8	1						
24	2	119807-61420	SPRING, RETURN	1						
25	2	158560-61430	STOPPER, SHAFT	1						
26	2	158560-61442	LEVER, REGULATOR	1						
27	2	129155-61460	BOLT, LIMITING	1						
58	2	119660-61901	STOPPER, SHAFT	1						
64	2	26106-060102	BOLT, M6X 10 PLATED	1						
65	2	26106-060102	BOLT, M6X 10 PLATED	1						
66	2	26756-060002	NUT, LOCK M6	1						
74	2	158552-61900	O-RING	1						
79	2	22190-160002	WASHER, SEAL 16	1						
81	2	23887-160002	PLUG, 16	1						
82	2	26106-060142	BOLT, M6X 14 PLATED	6						
83	2	26106-060252	BOLT, M6X 25 PLATED	8						
84	2	26106-060402	BOLT, M6X 40 PLATED	2						
128	2	129906-61060	COVER, GOVERNOR CASE	1						
137	2	119233-77932	SOLENOID, STOP	1						

Remarks

*This figure(Governor)is incorporated in the Fuel Injection Pump (Fig.11).

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.13. FUEL INJECTION VALVE

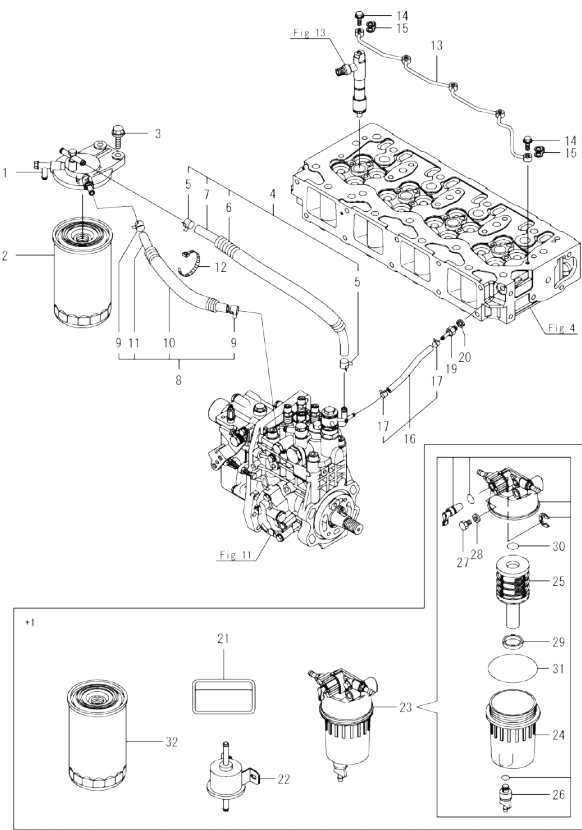


(A)=4TNV94L-BVSU
(B)=
(C)=

(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	129907-59810	PIPE ASSY, INJECTION	1							
53	1	129907-59820	PIPE ASSY, INJECTION	1							
54	1	129907-59830	PIPE ASSY, INJECTION	1							
55	1	129907-59840	PIPE ASSY, INJECTION	1							
56	1	26106-060162	BOLT, M6X 16 PLATED	2							
57	1	26106-080182	BOLT, M8X 18 PLATED	1							

Fig.14. FUEL PIPE



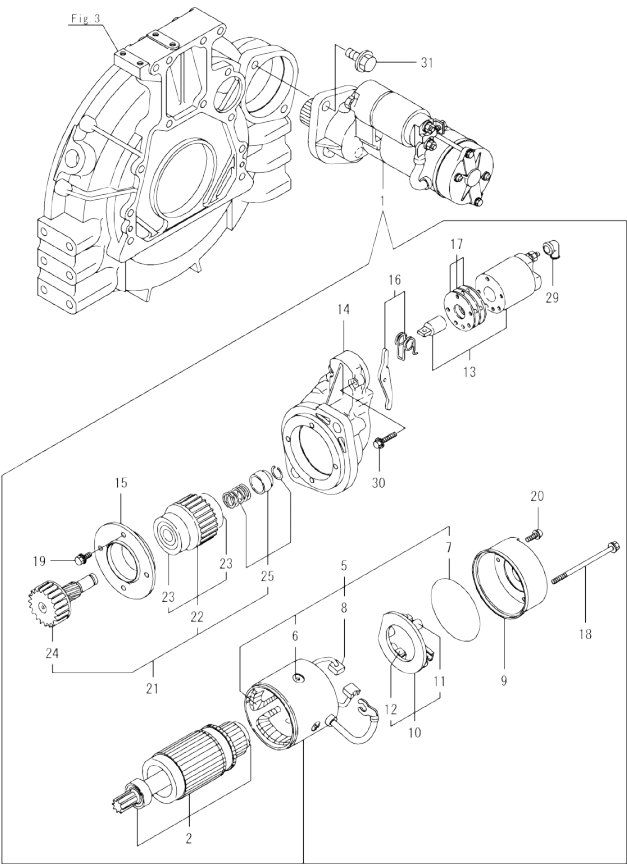
(A)=4TNV94L-BVSU
(B)=
(C)=

(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	129907-55801	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							
21	1	114110-07761	LABEL, FUEL OIL CAUT	1							
22	1	129612-52100	PUMP, FUEL FEED	1							
23	1	129242-55701	SEPARATOR ASSY,WATER	1							
24	2	129242-55720	CUP, SEPARATOR	1							
25	2	129242-55730	ELEMENT, FUEL	1							
26	2	129242-55740	PLUG, DRAIN	1							
27	2	129242-55750	VALVE, AIR VENT	1							
28	2	129242-55760	GASKET, PLUG	1							
29	2	129242-55770	FLOAT	1							
30	2	24311-000160	O-RING, 1AP16.0	1							
31	2	24321-000750	O-RING, 1AG75.0	1							
32	1	129907-55801	FILTER, FUEL	1							

Remarks
*1.Loose part.

OCD50-M00060 4TNV94L-BVSU
Fig.15. STARTER MOTOR

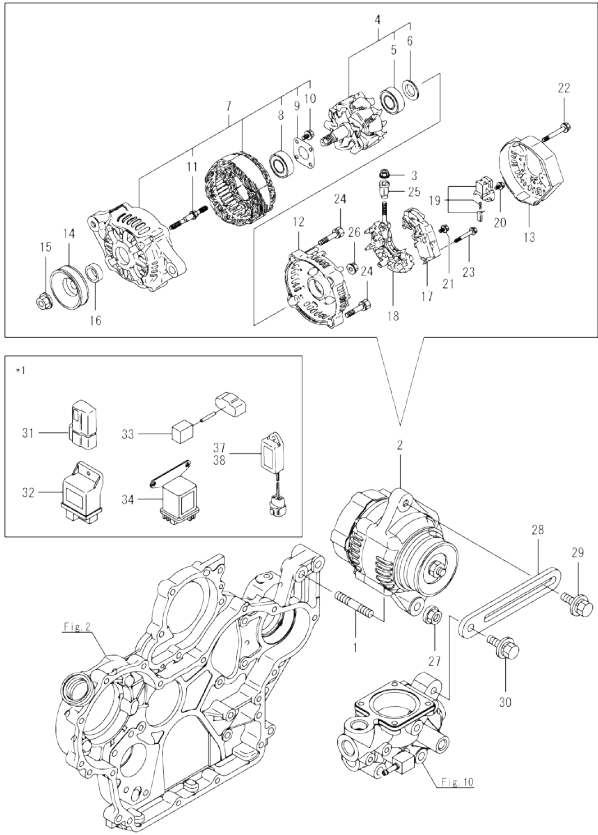


										OCD50-M00060		Fig.15	
										(A)=4TNV94L-BVSU		(D)=	
										(B)=		(E)=	
										(C)=		(F)=	
										Q'ty		I R	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)				
1	1	129940-77011	STARTER ASSY	1									
2	2	129940-77100	ARMATURE ASSY	1									
5	2	129940-77130	COIL ASSY, FIELD	1									
6	3	129940-77140	SCREW, CORE SET	4									
7	3	129940-77150	O-RING	1									
8	3	129940-77160	BRUSH	2									
9	2	129940-77171	COVER	1									
10	2	129940-77181	HOLDER ASSY, BRUSH	1									
11	3	129940-77190	SPRING, BRUSH	1									
12	3	129940-77200	BRUSH	2									
13	2	129940-77210	SWITCH ASSY, MAGNET	1									
14	2	129940-77221	CASE, GEAR	1									
15	2	129940-77230	RETAINER, BEARING	1									
16	2	129940-77240	LEVER SET	1									
17	2	129940-77250	COVER KIT, DUST	1									
18	2	129940-77260	BOLT, THROUGH	2									
19	2	129940-77270	BOLT	4									
20	2	129940-77280	SCREW	2									
21	2	123900-77510	PINION ASSY	1									
22	3	123900-77520	CLUTCH ASSY	1									
23	4	X2240610100	BEARING, BALL	2									
24	3	123900-77540	SHAFT, PINION	1									
25	3	119131-77550	STOPPER SET, PINION	1									
29	2	121254-77810	COVER, TERMINAL	1									
30	2	114371-79070	BOLT	2									
31	1	26106-120252	BOLT, M12X 25 PLATED	2									

Fig.16. GENERATOR

(A)=4TNV94L-BVSU
(B)=
(C)=

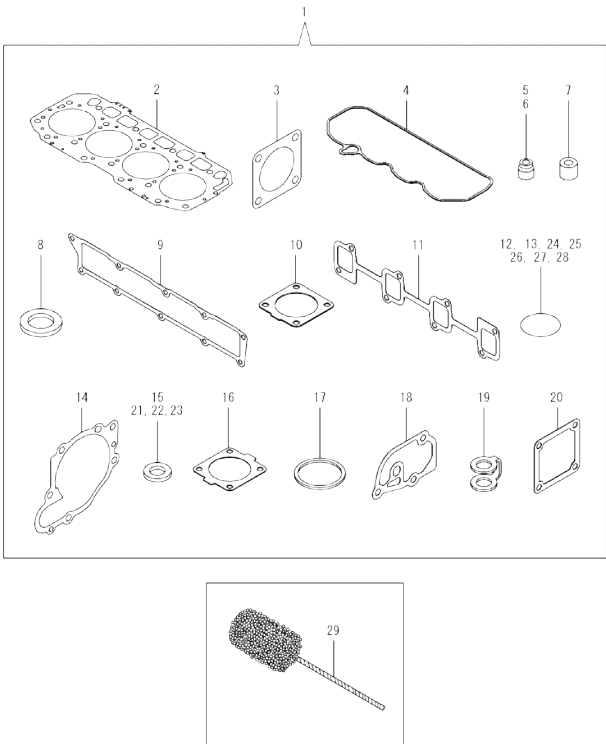
(D)=
(E)=
(F)=



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	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, BEARING	1							
7	2	129052-77422	FRAME ASSY	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	128401-77440	COVER	1							
13	2	119626-77450	FRAME	1							
14	2	119620-77461	PULLEY, GENERATOR	1							
15	2	119620-77471	NUT	1							
16	2	119620-77490	COLLAR	1							
17	2	129423-77710	REGULATOR ASSY	1							
18	2	129052-79260	HOLDER	1							
19	2	129052-79270	HOLDER, BRUSH	1							
20	2	119620-79290	SCREW	6							
21	2	119620-79300	SCREW	1							
22	2	119620-79310	BOLT	3							
23	2	119620-79320	SCREW	2							
24	2	119620-79330	BOLT	2							
25	2	119620-79340	BUSH, INSULATION	1							
26	2	119620-79350	NUT	2							
27	1	26306-100002	NUT, M10	1							
28	1	129900-77330	ADJUSTER, BELT	1							
29	1	119810-77340	BOLT, ADJUST L=30	1							
30	1	26014-080252	BOLT, M8X 25	1							
31	1	119643-66900	DIODE	1							
32	1	119802-77200	RELAY, SAFETY	1							
33	1	129457-77511	CONNECTOR	1							
34	1	119650-77911	RELAY ASSY, GLOW	1							
37	1	128300-77920	TIMER	1							
38	1	129211-77920	TIMER	1							

Remarks
*1.Loose part.

Fig.17. GASKET SET



Remarks
(1)Optional parts.

(A)=4TNV94L-BVSU
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129932-92690	GASKET SET	1							
2	2	129906-01350	GASKET, HEAD	1							
3	2	129C26-01890	GASKET, HO-P	1							
4	2	129933-11310	GASKET, BONNET	1							
5	2	119803-11340	SEAL, VALVE STEM	8							
6	2	124160-11340	SEAL, VALVE STEM	8							
7	2	119802-11870	PROTECTOR, NOZZLE	4							
8	2	119625-11880	SEAT, NOZZLE	4							
9	2	129907-12110	GASKET, MANIFOLD	1							
10	2	129930-13201	GASKET, SILENCER	2							
11	2	129900-13251	GASKET, EXH.MANIFOLD	1							
12	2	129900-32030	O-RING, P20	2							
13	2	129900-32040	O-RING, P14	1							
14	2	129900-42020	GASKET, WATER PUMP	1							
15	2	124465-44950	GASKET, 16	2							
16	2	121850-49540	GASKET, THERMOSTAT	1							
17	2	121850-49550	GASKET, THERMOSTAT	1							
18	2	129900-49870	GASKET, THERMOSTAT	1							
19	2	123907-59550	GASKET	5							
20	2	121850-77021	GASKET, AIR HEATER	1							
21	2	22190-080002	WASHER, SEAL 8	7							
22	2	22190-220002	WASHER, SEAL 22	1							
23	2	23414-080000	GASKET, 8X1.0	1							
24	2	24311-000070	O-RING, 1AP7.0	1							
25	2	24311-000120	O-RING, 1AP12.0	8							
26	2	24311-000320	O-RING, 1AP32.0	2							
27	2	24341-000530	O-RING, 1AS53.0	1							
28	2	24351-030750	O-RING, 1A3075	1							
29	1	129400-92440	HONE, FLEX	1							1

Parts No. Index

Parts No.	Fig. No.	Ref. No.
105025-59750	14	7
114110-07761	14	21
114250-39450	9	13
114250-53080	13	5
114250-53120	13	9
114250-53130	13	10
114250-53140	13	11
114250-53210	13	12
114371-79070	15	30
119000-35140	9	3
119005-12571	5	12
		16
119005-35151	9	26
		27
119117-44760	10	17
119131-18320	6	5
119131-77550	15	25
119140-12680	5	14
119233-77932	12	137
119305-59120	13	42
119593-11301	4	28
119620-01750	3	5
119620-11180	4	13
119620-77461	16	14
119620-77471	16	15
119620-77490	16	16
119620-79200	16	8
119620-79210	16	9
119620-79220	16	10
119620-79230	16	11
119620-79250	16	6
119620-79290	16	20
119620-79300	16	21
119620-79310	16	22
119620-79320	16	23
119620-79330	16	24
119620-79340	16	25
119620-79350	16	26
119625-11880	4	24
	17	8
119626-77210	16	2
119626-77450	16	13
119640-01640	3	10
119640-61400	4	60
119643-66900	16	31
119650-77911	16	34
119660-61901	12	58
119802-11870	4	23
	17	7
119802-51590	11	65

Parts No.	Fig. No.	Ref. No.
119802-51600	11	66
119802-51680	11	70
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