

0CD50-M01670EN

P R E F A C E

This parts catalog is the 1st edition of 3TNV82A-BDTH for THALER.

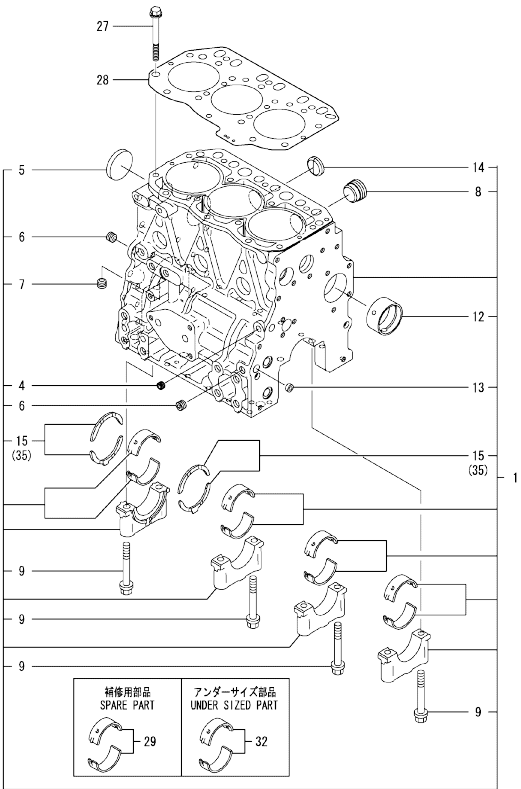
Published : October, 2015

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OCD50-M01670 3TNV82A-BDTH
Fig.1. CYLINDER BLOCK

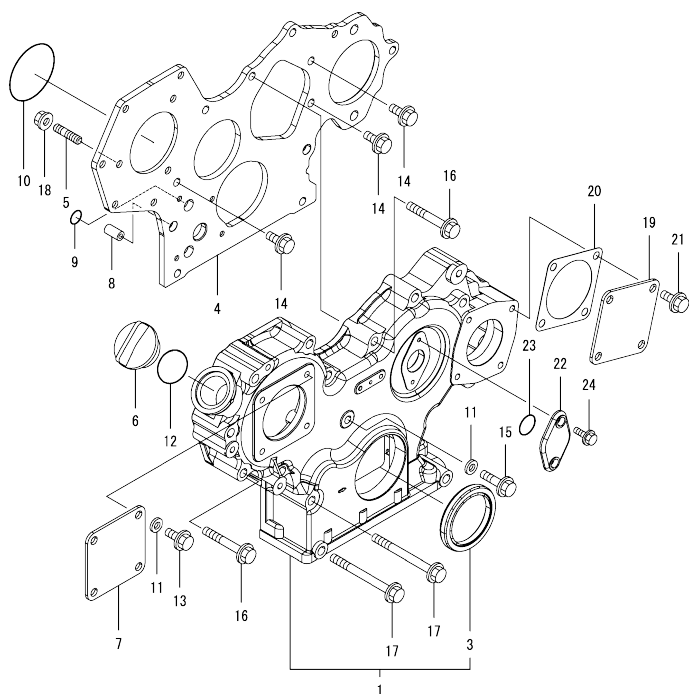


Remarks
(1)Spare parts.
(2)Under-sized(U.S.=0.25) parts.
(3)Over-sized(O.S.=0.25) parts.

OCD50-M01670 Fig.1
(A)=3TNV82A-BDTH
(D)=
(E)=
(F)=
Q'ty

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	719802-01560	BLOCK ASSY, CYLINDER	1							
4	2	124060-01050	PLUG, PT1/8	1							
5	2	129001-01250	PLUG, DISH TYPE 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	119620-02020	BOLT, METAL CAP	8							
12	2	129795-02412	BUSH, CAMSHAFT	1							
13	2	27241-120000	PLUG, 12	2							
14	2	27241-300000	PLUG 30	6							
15	2	119717-02930	BEARING ASSY, THRUST	2							
27	1	119810-01200	BOLT, CYLINDER HEAD	14							
28	1	119812-01330	GASKET, HEAD	1							
29	1	719810-02981	BEARING ASSY, MAIN	4							1
32	1	119810-02871	BEARING ASSY, MAIN	4							2
35	1	119810-02941	BEARING, THRUST 0.25	2							3

Fig.2. GEAR HOUSING



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

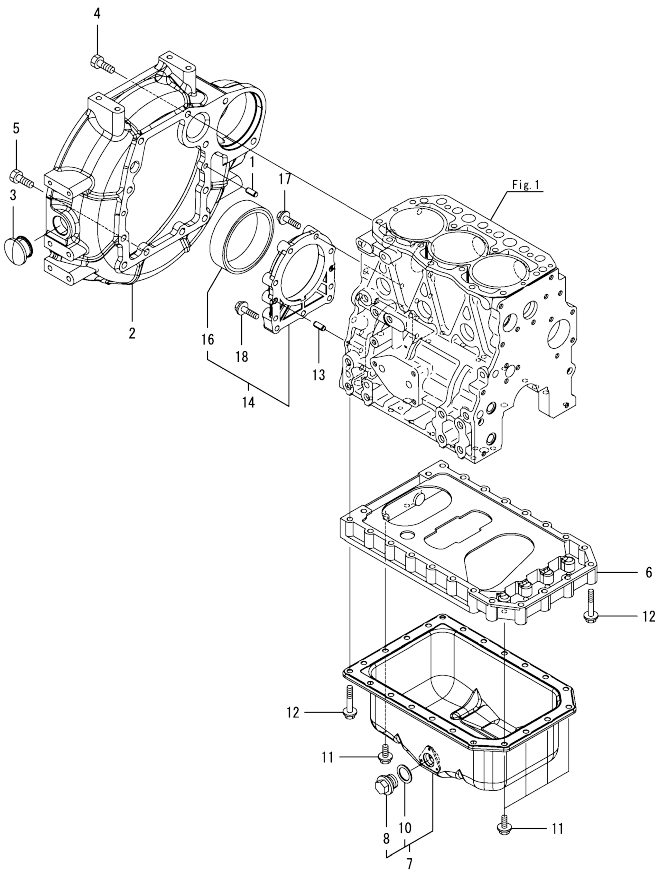
(A)=3TNV82A-BDTH
(B)=
(C)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729652-01500	CASE ASSY, GEAR	1							
3	2	119934-01800	SEAL, OIL	1							
4	1	129604-01520	FLANGE, GEAR CASE	1							
5	1	119802-01561	BOLT, STUD M8X25	3							
6	1	124160-01751	CAP, FILLER	1							
7	1	124240-01871	COVER, PUMP	1							
8	1	129795-01950	PIPE, DOWEL L=18	2							
9	1	119609-32040	O-RING, P16	2							
10	1	121850-51960	O-RING	1							
11	1	22190-080002	WASHER, SEAL 8	5							
12	1	24311-000320	O-RING, 1AP32.0	1							
13	1	26106-080162	BOLT, M8X 16 PLATED	4							
14	1	26106-080162	BOLT, M8X 16 PLATED	3							
15	1	26106-080302	BOLT, M8X 30 PLATED	1							
16	1	26106-080552	BOLT, M8X 55 PLATED	10							
17	1	26106-080852	BOLT, M8X 85 PLATED	3							
18	1	26306-080002	NUT, M8	3							
19	1	124240-01871	COVER, PUMP	1							
20	1	129C26-01890	GASKET, HO-P	1							
21	1	26106-080162	BOLT, M8X 16 PLATED	4							
22	1	121023-01551	COVER	1							
23	1	24341-000240	O-RING, 1AS24.0	1							
24	1	26106-060162	BOLT, M6X 16 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.3. FLYWHEEL HOUSING & OIL SUMP



OCD50-M01670 Fig.3

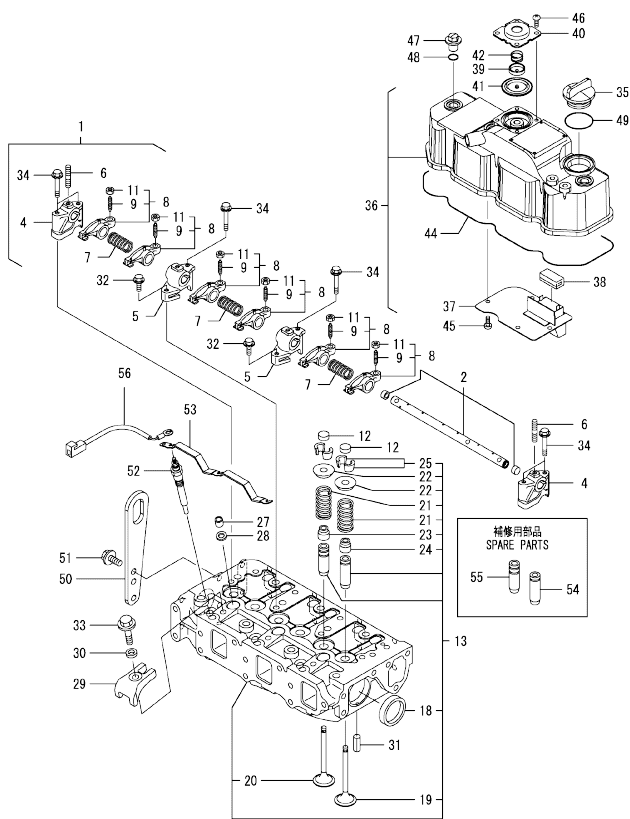
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(B)=
(C)=

(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	129612-01600	HOUSING, FLYWHEEL	1							
3	1	119620-01750	CAP	1							
4	1	26206-100252	BOLT, M10X 25 PLATED	6							
5	1	26206-100302	BOLT, M10X 30 PLATED	4							
6	1	119810-01730	SPACER, OIL-PAN	1							
7	1	119810-01770	OIL PAN ASSY	1							
8	2	119640-01640	PLUG, DRAIN M22	1							
10	2	22190-220002	WASHER, SEAL 22	1							
11	1	26106-080162	BOLT, M8X 16 PLATED	6							
12	1	26106-080452	BOLT, M8X 45 PLATED	22							
13	1	129100-01580	PIN, PARALLEL 8X16	2							
14	1	129100-01640	CASE ASSY, OIL SEAL	1							
16	2	129795-01780	SEAL, OIL	1							
17	1	129486-01670	BOLT, M8X30	6							
18	1	26106-080352	BOLT, M8X 35 PLATED	3							

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Fig.4. CYLINDER HEAD & BONNET



Remarks
(1)Spare parts.

OCD50-M01670 Fig.4

(A)=3TNV82A-BDTH
(B)=
(C)=

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

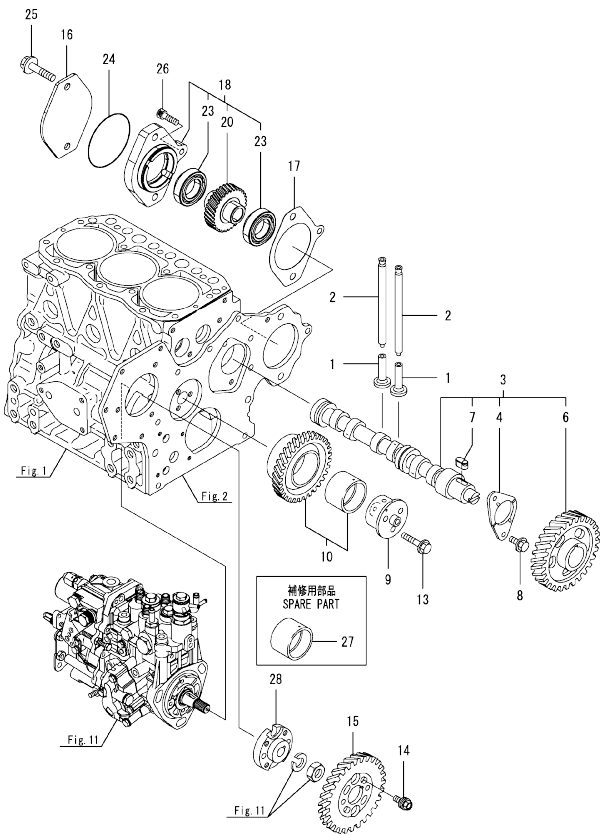
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-11241	SHAFT ASSY, ARM	1							
2	2	119802-11251	SHAFT, ROCKER ARM	1							
4	2	119802-11260	SUPPORT, ROCKER ARM	2							
5	2	119802-11270	SUPPORT, ROCKER ARM	2							
6	2	119802-11280	BOLT, STUD	3							
7	2	129150-11280	SPRING, SHAFT	3							
8	2	119802-11650	ARM ASSY, ROCKER	6							
9	3	129150-11230	SCREW, VALVE ADJUST	6							
11	3	129150-11750	NUT, M8X1.0	6							
12	1	104211-11370	CAP, VALVE	6							
13	1	119803-11700	HEAD ASSY, CYLINDER	1							
18	2	27241-400000	PLUG, 40	2							
19	2	119802-11100	VALVE, INTAKE	3							
20	2	119802-11110	VALVE, EXHAUST	3							
21	2	119810-11120	SPRING, VALVE	6							
22	2	104211-11180	RETAINER, SPRING	6							
23	2	119803-11340	SEAL, VALVE STEM	3							
24	2	124160-11340	SEAL, VALVE STEM	3							
25	2	27310-070001	COTTER, 7	6							
27	1	119802-11870	PROTECTOR, NOZZLE	3							
28	1	119625-11880	SEAT, NOZZLE	3							
29	1	119802-11900	RETAINER, NOZZLE	3							
30	1	120270-54410	WASHER, INJECTOR	3							
31	1	22351-060012	PIN, SPRING 6.0X12	2							
32	1	26106-080252	BOLT, M8X 25 PLATED	2							
33	1	26106-080452	BOLT, M8X 45 PLATED	3							
34	1	26106-080502	BOLT, M8X 50 PLATED	6							
35	1	124160-01751	CAP, FILLER	1							
36	1	119802-11350	BONNET ASSY, HEAD	1							
37	2	119802-03010	PLATE, BAFFLE	1							
38	2	129150-03070	BAFFLE, BREATHER	1							
39	2	119802-03110	PLATE, DIAPHRAGM	1							
40	2	119802-03121	COVER, DIAPHRAGM	1							
41	2	119802-03130	DIAPHRAGM, BREATHER	1							
42	2	119802-03141	SPRING, DIAPHRAGM	1							
44	2	119802-11310	GASKET, BONNET	1							
45	2	22857-500100	SCREW, 5X10	4							
46	2	22857-500100	SCREW, 5X10	4							
47	1	124160-11360	KNOB, BONNET	3							
48	1	24311-000120	O-RING, 1AP12.0	3							
49	1	24311-000320	O-RING, 1AP32.0	1							
50	1	129900-07900	LIFTER, ENGINE	1							
51	1	26106-080162	BOLT, M8X 16 PLATED	2							
52	1	129008-77800	PLUG, GLOW	3							
53	1	119803-77821	CONNECTOR, GLOW PLUG	1							
54	1	124060-11800	GUIDE, VALVE	3							1
55	1	119802-11810	GUIDE, VALVE	3							1
56	1	119803-77830	HARNES, WIRE	1							W

(A=EE7526)

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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Fig.7. CAMSHAFT & DRIVING GEAR



0CD50-M01670 Fig.7

(A)=3TNV82A-BDTH
(B)=
(C)=

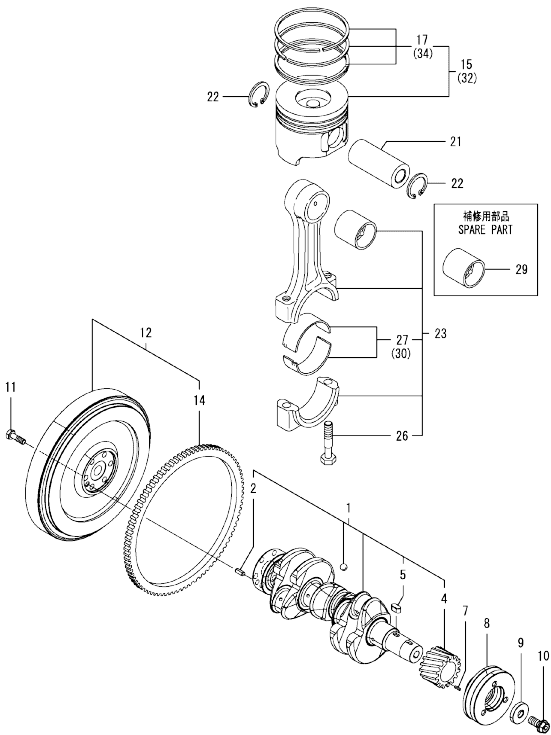
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	6							
2	1	119810-14400	PUSH-ROD	6							
3	1	119802-14580	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	26106-080402	BOLT, M8X 40 PLATED	3							
14	1	129150-25301	BOLT	4							
15	1	119802-25901	GEAR, PUMP	1							
16	1	121023-26071	COVER, PUMP	1							
17	1	171353-26081	GASKET	1							
18	1	129484-26200	DRIVE ASSY, PUMP	1							
20	2	129484-26210	GEAR ASSY	1							
23	2	24105-060064	BEARING, BALL 6006Z	2							
24	1	24321-000850	O-RING, 1AG85.0	1							
25	1	26106-100452	BOLT, M10X 45 PLATED	2							
26	1	26450-080282	BOLT, M8X 28	1							
27	1	119802-25071	BUSH, IDLE GEAR	1							1
28	1	158552-51151	FLANGE	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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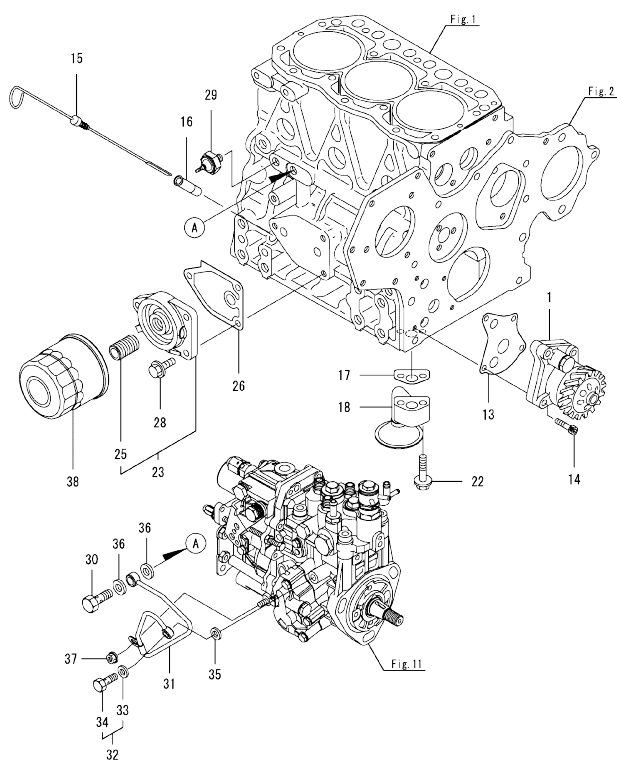
OCD50-M01670 3TNV82A-BDTH
Fig.8. CRANKSHAFT & PISTON



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

										OCD50-M01670		Fig.8
										(A)=3TNV82A-BDTH		
										(D)=		
										(E)=		
										(F)=		
										Q'ty		
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R	
1	1	119803-21000	CRANKSHAFT ASSY	1								
2	2	129100-01580	PIN, PARALLEL 8X16	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, CRANK 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 Z=116	1								
15	1	119803-22080	PISTON ASSY	3								
17	2	119802-22500	RING SET, PISTON	3								
21	1	119813-22300	PIN, PISTON	3								
22	1	129792-22400	CIRCLIP, 23	6								
23	1	719810-23100	ROD ASSY, CONNECTING	3								
26	2	119810-23200	BOLT, CONNECTING ROD	6								
27	2	119810-23601	BEARING, CRANK PIN	3								
29	1	119810-23910	BEARING, PISTON PIN	3							1	
30	1	119810-23611	BEARING, 0.25 US	3							2	
32	1	719803-22900	PISTON ASSY, 0.25 OS	3							3	
34	2	119802-22950	RING SET, 0.25 OS	3							3	

Fig.9. LUB. OIL SYSTEM



Remarks
(1) Spare parts.

0CD50-M01670 Fig.9

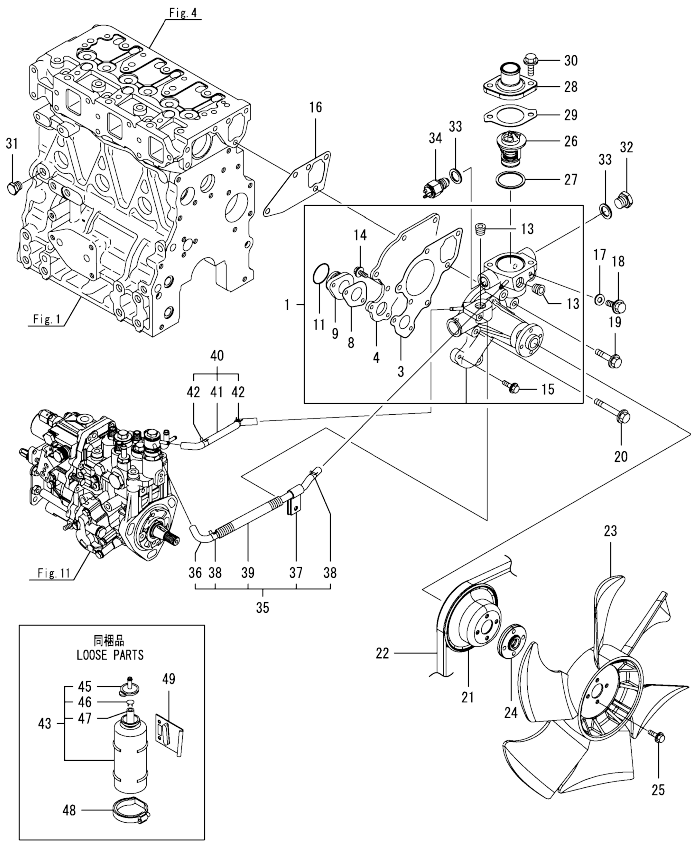
(A)=3TNV82A-BDTH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129001-32002	PUMP ASSY, OIL	1							
13	1	129150-32020	GASKET, PUMP	1							
14	1	26450-060252	BOLT, M6X 25	4							
15	1	119802-34802	DIPSTICK	1							
16	1	121520-34810	GUIDE, DIPSTICK	1							
17	1	129150-35042	GASKET	1							
18	1	119810-35300	PIPE ASSY, OIL INLET	1							
22	1	26106-080352	BOLT, M8X 35 PLATED	2							
23	1	119802-35100	BRACKET ASSY, FILTER	1							
25	2	129100-35140	BOLT, STUD	1							
26	1	129150-35111	GASKET	1							
28	1	26106-080202	BOLT, M8X 20 PLATED	3							
29	1	114250-39450	SWITCH, HYDRAULIC	1							
30	1	124160-39140	BOLT, PIPE JOINT M10	1							
31	1	119802-39450	PIPE ASSY, OIL	1							
32	1	129005-59830	BOLT ASSY, JOINT M8	1							
33	2	22190-080002	WASHER, SEAL 8	1							
34	2	23857-030000	BOLT, JOINT 3	1							
35	1	22190-080002	WASHER, SEAL 8	1							
36	1	22190-100002	WASHER, SEAL 10	2							
37	1	26366-060002	NUT, M6	1							
38	1	129150-35153	FILTER ASSY, D80X80L	1							

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

Fig.10. COOLING WATER SYSTEM

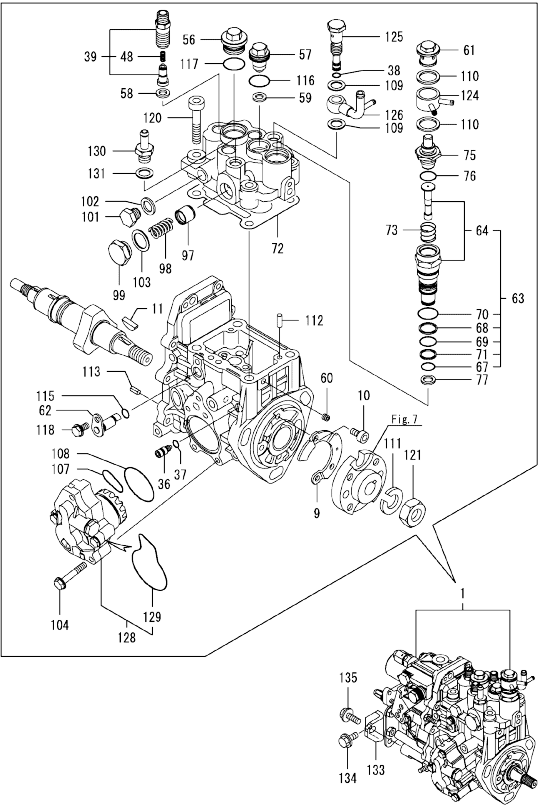


(A)=3TNV82A-BDTH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-42001	PUMP ASSY, WATER	1							
3	2	119810-42051	GASKET, WATER PUMP	1							
4	2	119810-42120	PLATE, PUMP	1							
8	2	119810-42281	GASKET, WATER PUMP	1							
9	2	119810-42290	PIPE, PUMP	1							
11	2	129054-42320	O-RING	1							
13	2	23876-030000	PLUG, R03	2							
14	2	26106-060142	BOLT, M6X 14 PLATED	2							
15	2	26106-060202	BOLT, M6X 20 PLATED	2							
16	1	129486-42050	GASKET, WATER PUMP	1							
17	1	23414-080000	GASKET, 8X1.0	1							
18	1	26106-080122	BOLT, M8X 12 PLATED	1							
19	1	26106-080352	BOLT, M8X 35 PLATED	1							
20	1	26106-080552	BOLT, M8X 55 PLATED	3							
21	1	129403-42380	V-PULLEY, D=110	1							
22	1	25132-003700	V-BELT, A37	1							
23	1	129030-44740	FAN, COOLING D360XUG	1							
24	1	124574-44761	SPACER, FAN	1							
25	1	26106-060202	BOLT, M6X 20 PLATED	4							
26	1	129155-49801	THERMOSTAT, 71C	1							
27	1	129150-49811	GASKET, THERMOSTAT	1							
28	1	129350-49530	COVER, THERMOSTAT	1							
29	1	129795-49551	GASKET	1							
30	1	26106-080222	BOLT, M8X 22 PLATED	2							
31	1	171056-49120	PLUG, DRAIN R1/4	1							
32	1	121450-42450	PLUG, M16	1							
33	1	124465-44950	GASKET, 16	2							
34	1	46150-503100	SWITCH, 95	1							
35	1	119802-49610	HOSE ASSY, WATER	1							
36	2	119802-49711	HOSE ASSY, WATER	1							
37	2	119802-49730	RETAINER, PIPE	1							
38	2	124722-59050	CLAMP, HOSE 9	2							
39	2	119802-59320	TUBE, CORRUGATED	1							
40	1	119802-49620	HOSE ASSY, WATER	1							
41	2	119802-49721	HOSE ASSY, WATER	1							
42	2	124722-59050	CLAMP, HOSE 9	2							
43	1	124450-44510	TANK ASSY, SUB	1							
45	2	124450-44530	CAP, SUB-TANK	1							
46	2	124450-44560	CLAMP, HOSE	1							
47	2	23061-070230	PIPE, 7X 230	1							
48	1	124450-44550	BAND, SUB-TANK	1							
49	1	121256-44600	BRACKET, SUB TANK	1							

Fig.11. FUEL INJECTION PUMP

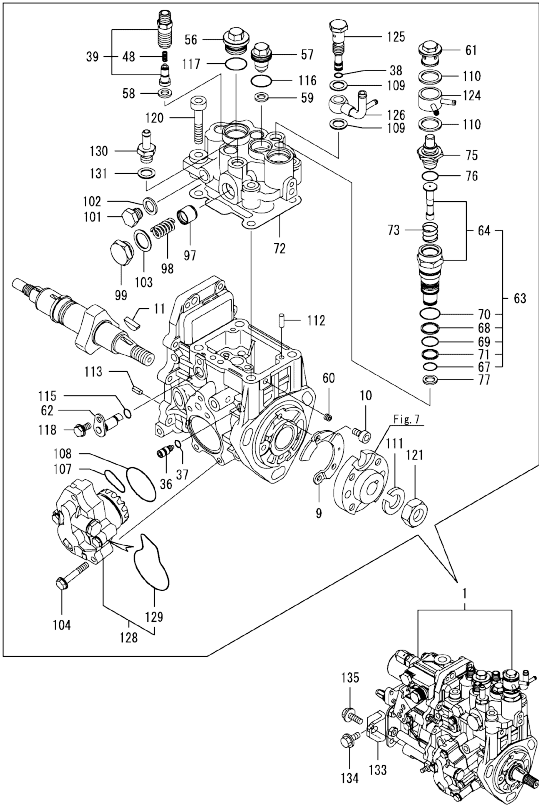


Remarks
(1)Governor(Fig.12) is incorporated in this Fuel Injection Pump(No.1).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719933-51301	PUMP ASSY, INJECTION	1							1
9	2	129008-51900	COVER, PUMP	1							
10	2	129008-51920	BOLT, SOCKET M6X10	2							
11	2	119802-51090	FEATHER KEY, 4X16	1							
36	2	158600-51270	STOPPER, TAPPET	1							
37	2	158563-51281	O-RING, 4D S6	1							
38	2	158563-51281	O-RING, 4D S6	1							
39	2	129008-51390	VALVE ASSY, DELIVERY	3							
48	3	158563-51330	SPRING, DELIVERY	3							
56	2	158601-51550	PLUG, M22	1							
57	2	119802-51560	PLUG, M14	1							
58	2	158552-51571	GASKET, PLUG	3							
59	2	158552-51571	GASKET, PLUG	1							
60	2	158557-51570	PLUG, RACK	1							
61	2	158601-51570	PLUG	1							
62	2	158552-51580	LIFTER, LINK	1							
63	2	119802-51590	TIMER ASSY	1							
64	3	119802-51600	TIMER ASSY	1							
67	3	158553-51670	O-RING	1							
68	3	119802-51680	RING, BACKUP	1							
69	3	119802-51690	O-RING	1							
70	3	24356-190200	O-RING, 4D19020	1							
71	3	24372-000150	RING, BACK UP T2P15	1							
72	2	158552-51600	GASKET	1							
73	2	158553-51630	SPRING, TIMER	1							
75	2	158553-51650	THERMOELEMENT	1							
76	2	158553-51660	O-RING, P14	1							
77	2	158553-51680	GASKET, TIMER	1							
97	2	158601-51770	PISTON, ACCUMULATOR	1							
98	2	158552-51781	SPRING, ACCUMULATOR	1							
99	2	158601-51790	PLUG	1							
101	2	158553-51930	PLUG, M12	1							
102	2	22190-120002	WASHER, SEAL 12	1							
103	2	22190-180002	WASHER, SEAL 18	1							
104	2	158553-51770	BOLT	4							
107	2	158552-52311	O-RING	1							
108	2	158552-52400	O-RING, 4E S42	1							
109	2	22190-120002	WASHER, SEAL 12	2							
110	2	22190-180002	WASHER, SEAL 18	2							
111	2	22217-140000	WASHER, SPRING 14	1							
112	2	22312-050140	PIN, PARALLEL 5X14	2							
113	2	22351-050010	PIN, SPRING 5.0X10	2							
115	2	24311-000070	O-RING, 1AP7.0	1							
116	2	24356-190180	O-RING, 4D19018	1							
117	2	24356-190200	O-RING, 4D19020	1							
118	2	26106-060102	BOLT, M6X 10 PLATED	1							
120	2	26450-080452	BOLT, M8X 45	4							
121	2	26776-140002	NUT, LOCK M14	1							
124	2	158553-51551	JOINT, COOLING WATER	1							
125	2	158601-51650	JOINT, OVER FLOW	1							
126	2	158552-51670	JOINT, OVER FLOW	1							

N:Old, N:New, O:Old, R:New, S:Old, S:New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Fig.11. FUEL INJECTION PUMP



(A)=3TNV82A-BDTH
(B)=
(C)=

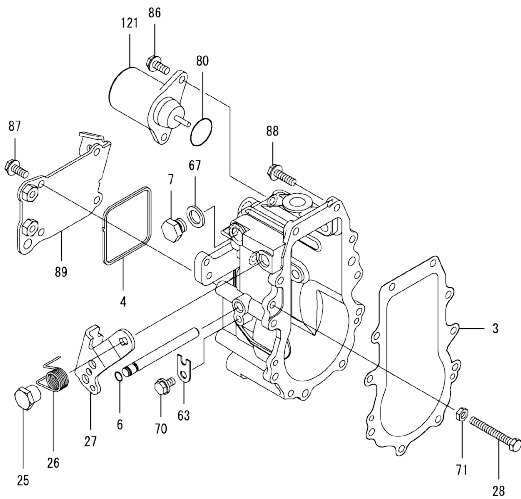
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
128	2	158552-52100	PUMP ASSY, FUEL FEED	1							
129	3	158552-52500	O-RING	1							
130	2	119934-59910	JOINT, PIPE	1							
131	2	22190-120002	WASHER, SEAL 12	1							
133	1	119802-51250	RETAINER, PUMP	1							
134	1	26106-080162	BOLT, M8X 16 PLATED	1							
135	1	26106-080202	BOLT, M8X 20 PLATED	1							

Remarks
(1)Governor(Fig.12) is incorporated in this Fuel Injection Pump(No.1).

N:Old $\frac{H_{10}}{10}$ New, Q:Old $\frac{H_{10}}{10}$ New, R:Old $\frac{H_{10}}{10}$ New, S:Old $\frac{H_{10}}{10}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.12. GOVERNOR



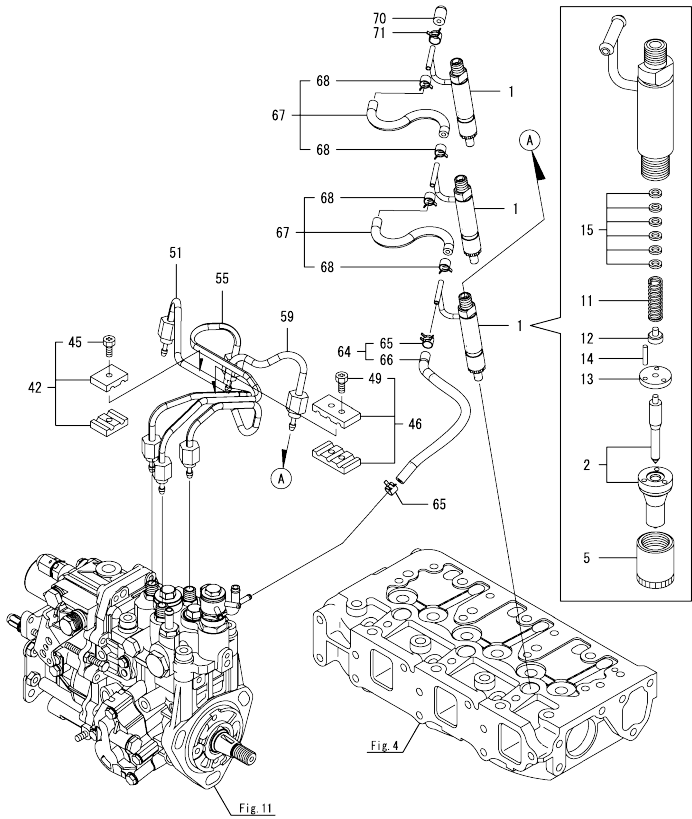
(A)=3TNV82A-BDTH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	2	158553-61050	GASKET	1							
4	2	158553-61070	GASKET	1							
6	2	129155-51280	O-RING, S6	1							
7	2	158553-51930	PLUG, M12	1							
25	2	129255-61410	NUT, M8	1							
26	2	119807-61420	SPRING, RETURN	1							
27	2	158552-61441	LEVER, REGULATOR	1							
28	2	129155-61460	BOLT, LIMITING	1							
63	2	119660-61901	STOPPER, SHAFT	1							
67	2	22190-120002	WASHER, SEAL 12	1							
70	2	26106-060102	BOLT, M6X 10 PLATED	1							
71	2	26756-060002	NUT, LOCK M6	1							
80	2	158552-61900	O-RING	1							
86	2	26106-060142	BOLT, M6X 14 PLATED	2							
87	2	26106-060142	BOLT, M6X 14 PLATED	4							
88	2	26106-060202	BOLT, M6X 20 PLATED	10							
89	2	158552-61061	COVER, GOVERNOR CASE	1							
121	2	119653-77950	SOLENOID, STOP	1							

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

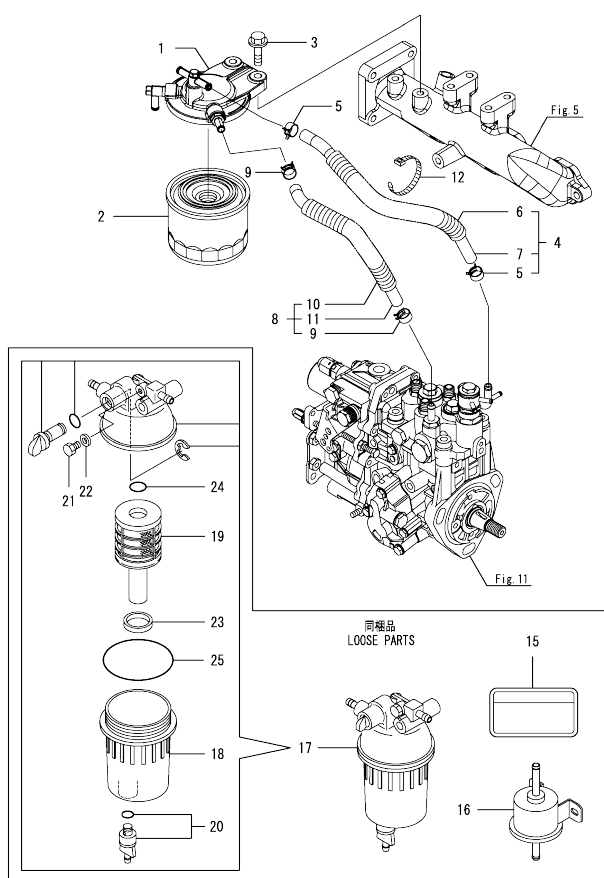
Fig.13. FUEL INJECTION VALVE



(A)=3TNV82A-BDTH
(B)=
(C)=

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

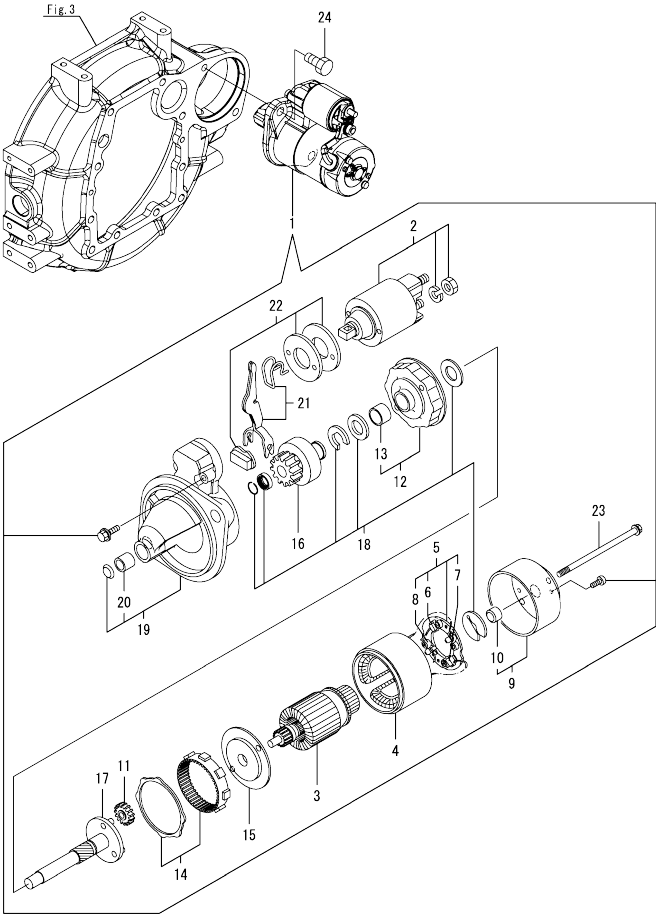
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729008-53100	VALVE ASSY,INJECTION	3							
2	2	129008-53000	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE	3							
11	2	114250-53120	SPRING, NOZZLE	3							
12	2	114250-53130	SEAT, SPRING	3							
13	2	114250-53140	SPACER	3							
14	2	114250-53210	PIN	6							
15	2	119803-53400	SHIM SET	3							
42	1	119305-59120	RETAINER, PIPE	1							
45	2	129150-59131	BOLT, M4X14	1							
46	1	129150-59120	RETAINER, PIPE	1							
49	2	129150-59131	BOLT, M4X14	2							
51	1	119802-59960	PIPE ASSY, INJECTION	1							
55	1	119802-59970	PIPE ASSY, INJECTION	1							
59	1	119802-59980	PIPE ASSY, INJECTION	1							
64	1	119802-59550	HOSE ASSY, RETURN	1							
65	2	124722-59050	CLAMP, HOSE 9	2							
66	2	119802-59560	HOSE, FUEL RETURN	1							
67	1	129486-59551	HOSE ASSY, RETURN	2							
68	2	124722-59050	CLAMP, HOSE 9	4							
70	1	119593-59581	CAP	1							
71	1	124060-77680	CLAMP, HOSE 10	1							



No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-55612	BRACKET, FILTER	1							
2	1	119802-55801	FILTER, FUEL	1							
3	1	26106-080302	BOLT, M8X 30 PLATED	2							
4	1	129044-59010	HOSE ASSY, D13XL220	1							
5	2	124766-59050	CLAMP, HOSE 11.5	2							
6	2	129044-59100	TUBE, CORRUGATED 15	1							
7	2	129044-59510	HOSE, FUEL L=220	1							
8	1	129630-59010	HOSE ASSY, FUEL	1							
9	2	124766-59050	CLAMP, HOSE 11.5	2							
10	2	129961-59110	TUBE, CORRUGATED 15	1							
11	2	105025-59560	HOSE, FUEL	1							
12	1	121750-59890	BAND, NYLON	1							
15	1	114110-07761	LABEL, FUEL OIL CAUT	1							
16	1	119225-52102	PUMP, FUEL FEED	1							
17	1	129242-55701	SEPARATOR ASSY, WATER	1							
18	2	129242-55720	CUP, SEPARATOR	1							
19	2	129242-55730	ELEMENT, FUEL	1							
20	2	129242-55740	PLUG, DRAIN	1							
21	2	129242-55750	VALVE, AIR VENT	1							
22	2	129242-55760	GASKET, PLUG	1							
23	2	129242-55770	FLOAT	1							
24	2	24311-000160	O-RING, 1AP16.0	1							
25	2	24321-000750	O-RING, 1AG75.0	1							

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

Fig.15. STARTER MOTOR

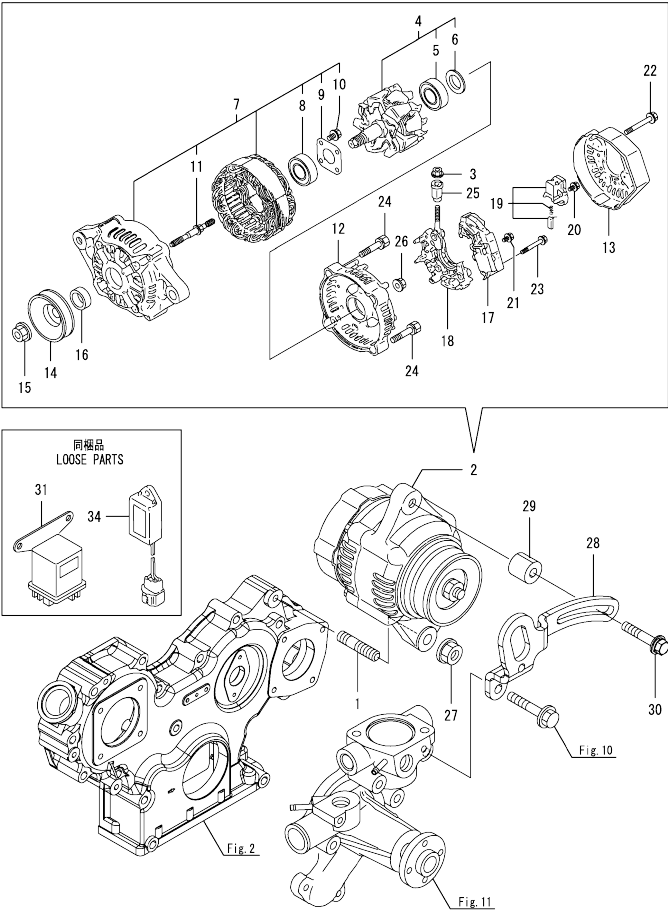


(A)=3TNV82A-BDTH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129242-77010	STARTER ASSY	1							
2	2	129698-77020	SWITCH ASSY, MAGNET	1							
3	2	129242-77100	ARMATURE ASSY	1							
4	2	129242-77110	YOKE ASSY	1							
5	2	129242-77120	HOLDER ASSY, BRUSH	1							
6	3	129242-77130	BRUSH	2							
7	3	129242-77140	BRUSH SET	1							
8	3	129242-77150	SPRING, BRUSH	4							
9	2	129242-77160	COVER ASSY	1							
10	3	129242-77170	BEARING, COVER	1							
11	2	118400-77170	GEAR, PLANETARY	3							
12	2	129242-77180	BRACKET, CENTER	1							
13	3	129698-77190	BRACKET, CENTER	1							
14	2	129698-77200	GEAR, INTERNAL	1							
15	2	129242-77210	BRACKET, CENTER	1							
16	2	129698-77220	PINION ASSY	1							
17	2	129698-77230	SHAFT, PINION	1							
18	2	129698-77250	WASHER SET	1							
19	2	129242-77260	CASE ASSY, GEAR	1							
20	3	X2114535200	BEARING, STARTER	1							
21	2	129242-77270	LEVER SET	1							
22	2	129242-77280	COVER KIT, DUST	1							
23	2	124195-77770	BOLT, THROUGH	2							
24	1	26116-120202	BOLT, M12X 20 PLATED	2							

Fig.16. GENERATOR



(A)=3TNV82A-BDTH
(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	119808-77330	ADJUSTER, BELT	1							
29	1	124732-77340	SPACER	1							
30	1	129972-77341	BOLT, ADJUST L=50	1							
31	1	119650-77911	RELAY ASSY, GLOW	1							
34	1	129211-77920	TIMER	1							

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Parts No.	Fig. No.	Ref. No.
104211-11180	4	22
104211-11370	4	12
105025-59560	14	11
114110-07761	14	15
114250-39450	9	29
114250-53080	13	5
114250-53120	13	11
114250-53130	13	12
114250-53140	13	13
114250-53210	13	14
118400-77170	15	11
119131-18320	6	5
119225-52102	14	16
119305-59120	13	42
119593-59581	13	70
119609-32040	2	9
119620-01750	3	3
119620-02020	1	9
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	28
119626-77210	16	2
119626-77450	16	13
119640-01640	3	8
119650-77911	16	31
119653-77950	12	121
119660-61901	12	63
119717-02930	1	15
119802-01561	2	5
119802-03010	4	37
119802-03090	5	1
119802-03110	4	39
119802-03121	4	40
119802-03130	4	41
119802-03141	4	42
119802-11100	4	19
119802-11110	4	20

Parts No.	Fig. No.	Ref. No.
119802-11241	4	1
119802-11251	4	2
119802-11260	4	4
119802-11270	4	5
119802-11280	4	6
119802-11310	4	44
119802-11350	4	36
119802-11650	4	8
119802-11810	4	55
119802-11870	4	27
119802-11900	4	29
119802-12130	5	4
119802-13641	6	3
119802-13740	6	4
119802-14580	7	3
119802-21650	8	8
119802-22500	8	17
119802-22950	8	34
119802-25071	7	27
119802-25101	7	10
119802-25901	7	15
119802-34802	9	15
119802-35100	9	23
119802-39450	9	31
119802-42001	10	1
119802-49610	10	35
119802-49620	10	40
119802-49711	10	36
119802-49721	10	41
119802-49730	10	37
119802-51090	11	11
119802-51250	11	133
119802-51560	11	57
119802-51590	11	63
119802-51600	11	64
119802-51680	11	68
119802-51690	11	69
119802-55801	14	2
119802-59320	10	39
119802-59550	13	64
119802-59560	13	66
119802-59960	13	51
119802-59970	13	55
119802-59980	13	59
119803-11340	4	23
119803-11700	4	13
119803-21000	8	1
119803-21200	8	4
119803-22080	8	15
119803-25050	7	9

Parts No.	Fig. No.	Ref. No.
119803-53400	13	15
119803-77821	4	53
119803-77830	4	56
119807-61420	12	26
119808-77330	16	28
119810-01200	1	27
119810-01730	3	6
119810-01770	3	7
119810-02871	1	32
119810-02941	1	35
119810-11120	4	21
119810-12112	5	3
119810-13110	6	2
119810-14400	7	2
119810-23200	8	26
119810-23601	8	27
119810-23611	8	30
119810-23910	8	29
119810-35300	9	18
119810-42051	10	3
119810-42120	10	4
119810-42281	10	8
119810-42290	10	9
119812-01330	1	28
119813-22300	8	21
119865-21600	8	14
119888-13101	6	1
119934-01800	2	3
119934-59910	11	130
120270-54410	4	30
121023-01551	2	22
121023-26071	7	16
121111-21501	8	11
121256-44600	10	49
121450-42450	10	32
121520-34810	9	16
121750-59890	14	12
121850-21680	8	10
121850-51960	2	10
123501-79240	16	5
124060-01050	1	4
124060-11800	4	54
124060-77680	13	71
124160-01751	2	6
	4	35
124160-01910	1	6
		7
124160-11340	4	24
124160-11360	4	47
124160-39140	9	30

Parts No.	Fig. No.	Ref. No.
124195-77770	15	23
124240-01871	2	7
		19
124450-44510	10	43
124450-44530	10	45
124450-44550	10	48
124450-44560	10	46
124465-44950	10	33
124574-44761	10	24
124722-59050	10	38
		42
	13	65
		68
124732-77340	16	29
124766-59050	14	5
		9
128401-77440	16	12
129001-01250	1	5
129001-32002	9	1
129004-13200	6	7
129004-55612	14	1
129005-59830	9	32
129008-51390	11	39
129008-51900	11	9
129008-51920	11	10
129008-53000	13	2
129008-77800	4	52
129030-44740	10	23
129044-59010	14	4
129044-59100	14	6
129044-59510	14	7
129052-77380	16	4
129052-77422	16	7
129052-79260	16	18
129052-79270	16	19
129054-42320	10	11
129100-01580	3	1
		13
	8	2
129100-01640	3	14
129100-35140	9	25
129150-02450	7	4
129150-03070	4	38
129150-11230	4	9
129150-11280	4	7
129150-11750	4	11
129150-14101	7	6
129150-14200	7	1
129150-25301	7	14
129150-32020	9	13

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Parts No.	Fig. No.	Ref. No.	Parts No.	Fig. No.	Ref. No.	Parts No.	Fig. No.	Ref. No.	Parts No.	Fig. No.	Ref. No.
129150-35042	9	17	129698-77220	15	16	171056-49120	10	31	26106-080122	10	18
129150-35111	9	26	129698-77230	15	17	171353-26081	7	17	26106-080142	7	8
129150-35153	9	38	129698-77250	15	18	171420-21580	8	12	26106-080162	2	13
129150-49811	10	27	129792-22400	8	22	22190-080002	2	11			14
129150-59120	13	46	129795-01780	3	16		9	33			21
129150-59131	13	45	129795-01900	16	1			35		3	11
		49	129795-01950	2	8	22190-100002	9	36		4	51
129150-77511	5	7	129795-02412	1	12	22190-120002	11	102		11	134
129155-49801	10	26	129795-21661	8	9			109	26106-080202	5	8
129155-51280	12	6	129795-49551	10	29			131		9	28
129155-61460	12	28	129900-07900	4	50		12	67		11	135
129211-77920	16	34	129961-59110	14	10	22190-180002	11	103	26106-080222	10	30
129242-55701	14	17	129972-77341	16	30			110	26106-080252	4	32
129242-55720	14	18	129C26-01890	2	20	22190-220002	3	10		5	5
129242-55730	14	19	158552-51151	7	28	22217-140000	11	111	26106-080302	2	15
129242-55740	14	20	158552-51571	11	58	22312-050140	11	112		14	3
129242-55750	14	21			59	22351-030010	8	7	26106-080352	3	18
129242-55760	14	22	158552-51580	11	62	22351-050010	11	113		9	22
129242-55770	14	23	158552-51600	11	72	22351-060012	4	31		10	19
129242-77010	15	1	158552-51670	11	126	22512-070140	7	7	26106-080402	7	13
129242-77100	15	3	158552-51781	11	98		8	5	26106-080452	3	12
129242-77110	15	4	158552-52100	11	128	22857-500100	4	45		4	33
129242-77120	15	5	158552-52311	11	107			46	26106-080502	4	34
129242-77130	15	6	158552-52400	11	108	23061-070230	10	47	26106-080552	2	16
129242-77140	15	7	158552-52500	11	129	23414-080000	10	17		10	20
129242-77150	15	8	158552-61061	12	89	23857-030000	9	34	26106-080852	2	17
129242-77160	15	9	158552-61441	12	27	23876-030000	10	13	26106-100452	7	25
129242-77170	15	10	158552-61900	12	80	24105-060064	7	23	26116-120202	15	24
129242-77180	15	12	158553-51551	11	124	24311-000070	11	115	26206-100252	3	4
129242-77210	15	15	158553-51630	11	73	24311-000120	4	48	26206-100302	3	5
129242-77260	15	19	158553-51650	11	75	24311-000160	14	24	26306-080002	2	18
129242-77270	15	21	158553-51660	11	76	24311-000320	2	12		6	6
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129255-61410	12	25	158553-51680	11	77	24321-000750	14	25	26366-060002	9	37
129350-49530	10	28	158553-51770	11	104	24321-000850	7	24	26450-060252	9	14
129403-42380	10	21	158553-51930	11	101	24341-000240	2	23	26450-080282	7	26
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129484-26200	7	18	158553-61070	12	4			117	26776-140002	11	121
129484-26210	7	20	158557-51570	11	60	24372-000150	11	71	27241-120000	1	13
129486-01670	3	17	158563-51281	11	37	25132-003700	10	22	27241-300000	1	14
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129486-42050	10	16	158563-51330	11	48		12	70	27310-070001	4	25
129486-59551	13	67	158600-51270	11	36	26106-060142	10	14	46150-503100	10	34
129604-01520	2	4	158601-51550	11	56		12	86	719802-01560	1	1
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129630-59010	14	8	158601-51650	11	125	26106-060162	2	24	719810-02981	1	29
129698-77020	15	2	158601-51770	11	97	26106-060202	10	15	719810-23100	8	23
129698-77190	15	13	158601-51790	11	99			25	719933-51301	11	1
129698-77200	15	14	171051-01921	1	8		12	88	729008-53100	13	1

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Parts No.	Fig. No.	Ref. No.
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Parts No.	Fig. No.	Ref. No.
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