

0CW10-M44100EN

P R E F A C E

1. This parts catalog is the 1st edition of 3TNV88-BGMG for MASE.

Pub.No. : 0CW10-G44100

Published : September , 2008

2. Model name

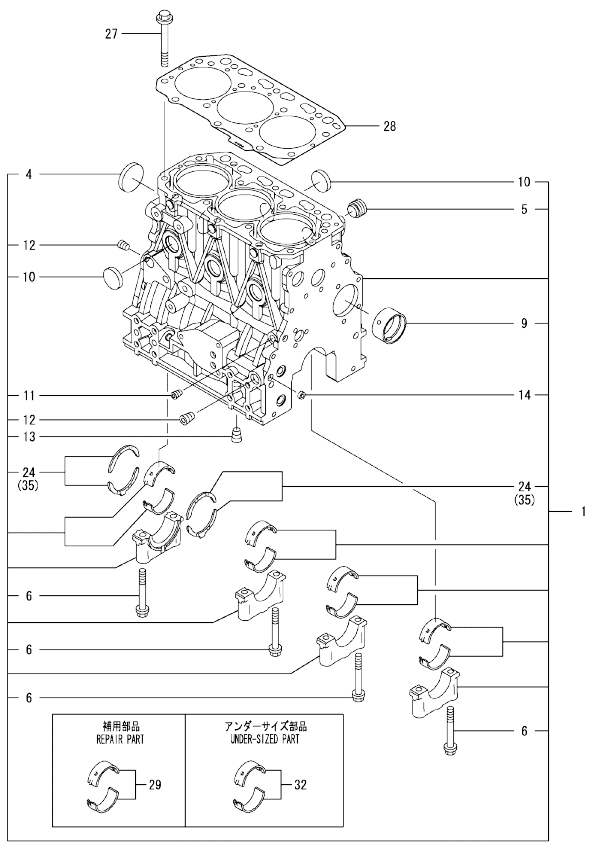
Engine model	Vehicle	Vehicle made by
3TNV88-BGMG	GENERATOR	MASE

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0CW10-M44100

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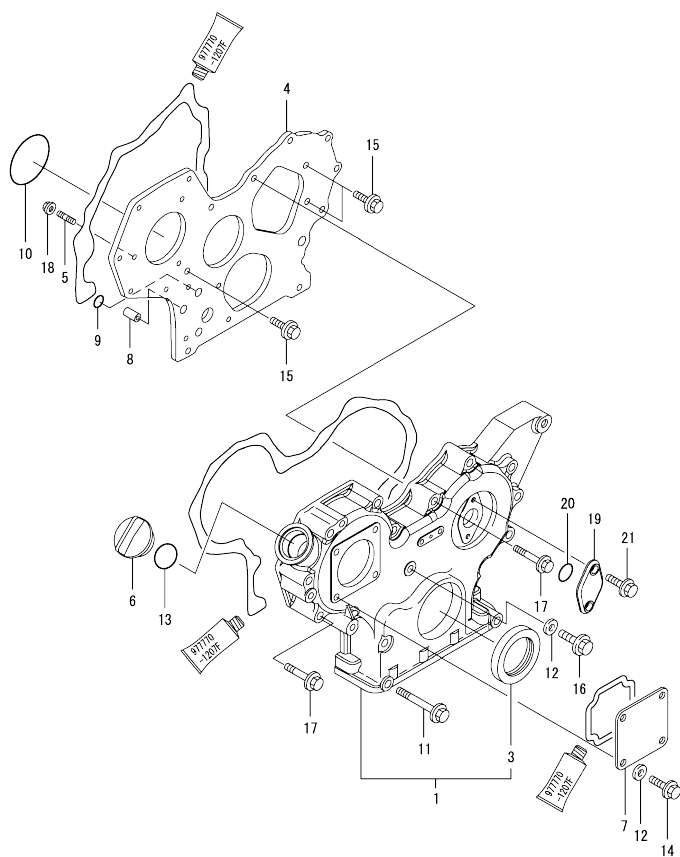
Fig.1. CYLINDER BLOCK



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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-01560	BLOCK ASSY, CYLINDER	1							
4	2	129001-01250	PLUG, 50	1							
5	2	171051-01921	PLUG, NPTF1	1							
6	2	129150-02020	BOLT, METAL CAP	8							
9	2	129795-02412	BUSH, CAMSHAFT	1							
10	2	27241-300000	PLUG 30	6							
11	2	124060-01050	PLUG, PT1/8	1							
12	2	124160-01910	PLUG, PT1/4	2							
13	2	124160-01910	PLUG, PT1/4	1							
14	2	27241-120000	PLUG, 12	2							
24	2	129150-02931	BEARING, THRUST	2							
27	1	129150-01200	BOLT, HEAD	14							
28	1	129001-01340	GASKET, HEAD	1							
29	1	129001-02931	BEARING, MAIN	4							1
32	1	129150-02871	BEARING, 0.25 US	4							2
35	1	129150-02941	BEARING, THRUST 0.25	1							3

Fig.2. GEAR HOUSING



0CW10-M44100 Fig.2

(A)=3TNV88-BGMG
(B)=
(C)=

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

 $Q^{\#}$

(C)

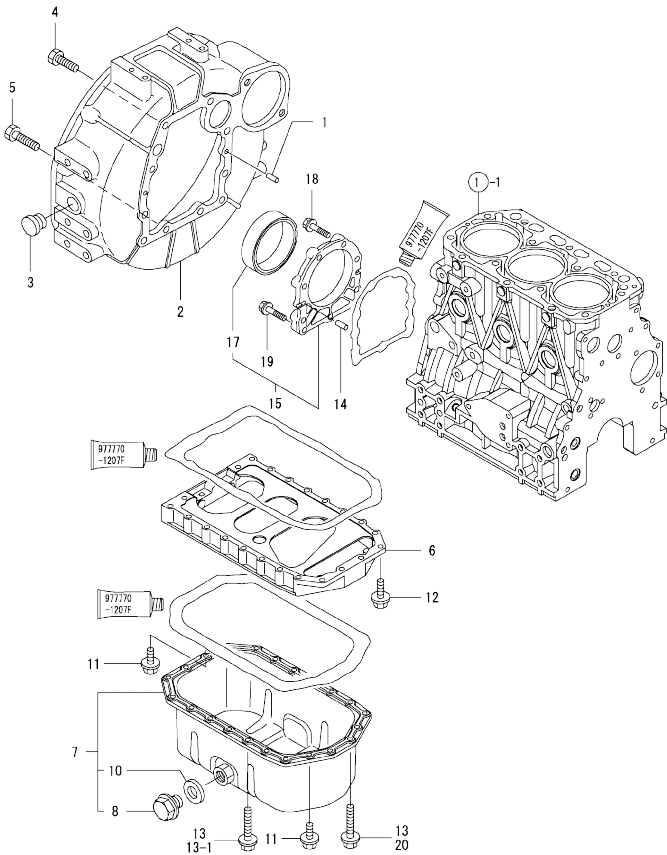
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719803-01500	CASE ASSY, GEAR	1							
3	2	119934-01800	SEAL, OIL	1							
4	1	119803-01520	FLANGE, GEAR CASE	1							
5	1	119802-01561	STUD, M8X25	3							
6	1	124160-01751	COVER, FILLER	1							
7	1	124240-01871	COVER	1							
8	1	129795-01950	PIPE, KNOCK L=18	2							
9	1	119609-32040	O-RING, P16	2							
10	1	121850-51960	O-RING	1							
11	1	129001-91841	BOLT, M8X85	3							
12	1	22190-080002	WASHER, SEAL 6	5							
13	1	24311-000320	O-RING, 1AP32 0	1							
14	1	26106-080162	BOLT, M8X 16 PLATED	4							
15	1	26106-080162	BOLT, M8X 16 PLATED	3							
16	1	26106-080302	BOLT, M8X 30 PLATED	1							
17	1	26106-080552	BOLT, M8X 55 PLATED	12							
18	1	26306-080002	NUT, M8	3							
19	1	121023-01551	COVER	1							
20	1	24341-000240	O-RING, 1AS24 0	1							
21	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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0CW10-M44100 3TNV88-BGMG

Fig.3. FLYWHEEL HOUSING & OIL SUMP



0CW10-M44100 Fig.3

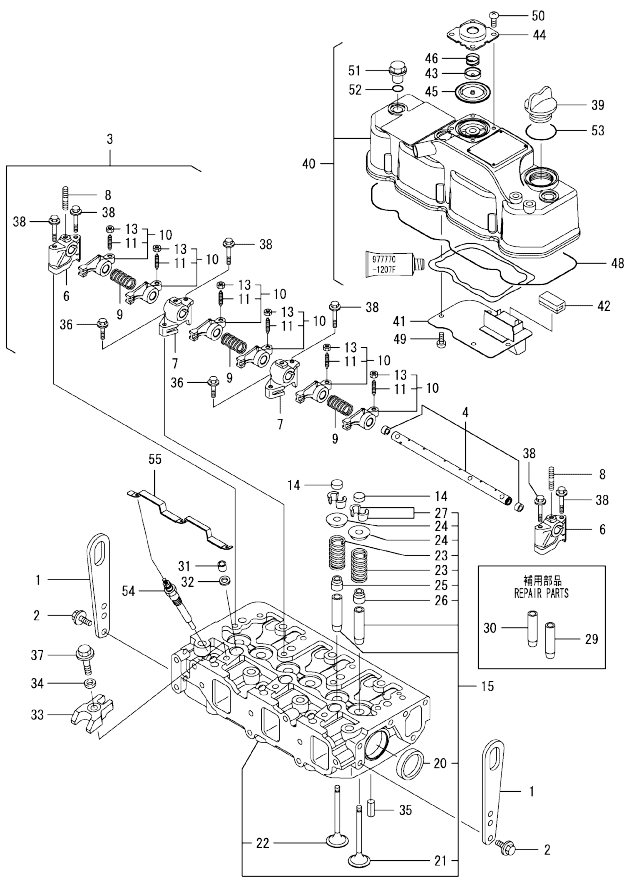
(A)=3TNV88-BGMG
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2							
2	1	171420-01600	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	129100-01730	SPACER, OIL SUMP	1							
7	1	129100-01760	SUMP ASSY, OIL	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	4							
12	1	26106-080252	BOLT, M8X 25 PLATED	2							
13	1	26106-080452	BOLT, M8X 45 PLATED	20							
13-1	1	26106-080452	BOLT, M8X 45 PLATED	16							K
(A=FROM 1ST)											
14	1	129100-01580	PIN, M8X16	2							
15	1	129100-01640	CASE ASSY, OIL SEAL	1							
17	2	129795-01780	SEAL, OIL	1							
18	1	129486-01670	BOLT, M8X30	6							
19	1	26106-080352	BOLT, M8X 35 PLATED	3							
20	1	26106-080502	BOLT, M8X 50 PLATED	4							W
(A=FROM 1ST)											

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Fig.4. CYLINDER HEAD & BONNET



Remarks
(1) REPAIR PART.

0CW10-M44100 Fig.4

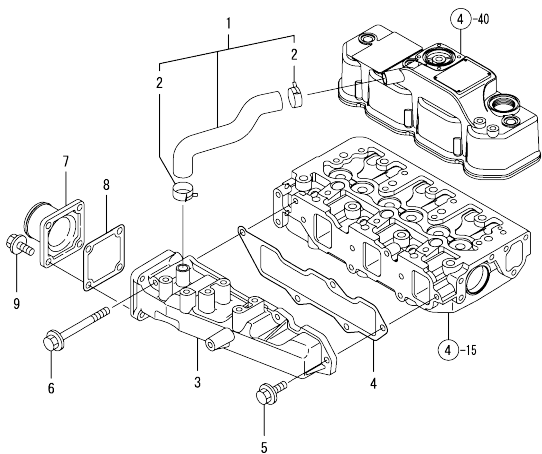
(A)=3TNV88-BGMG
(B)=
(C)=

(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	129004-11241	SHAFT ASSY, ROCKER	1							
4	2	129004-11251	SHAFT, ROCKER ARM	1							
6	2	119802-11260	SUPPORT, ROCKER ARM	2							
7	2	119802-11270	SUPPORT, ROCKER ARM	2							
8	2	119802-11280	STUD	3							
9	2	129150-11280	SPRING	3							
10	2	129004-11650	ARM, ROCKER	6							
11	3	129150-11230	SCREW, VALVE ADJUST	6							
13	3	129150-11750	NUT, M8	6							
14	1	129150-11370	CAP, VALVE	6							
15	1	129008-11700	HEAD ASSY, CYLINDER	1							
20	2	27241-400000	PLUG, 40	2							
21	2	129005-11100	VALVE, INTAKE	3							
22	2	129100-11112	VALVE, EXHAUST	3							
23	2	129795-11120	SPRING, VALVE	6							
24	2	129795-11180	RETAINER, SPRING	6							
25	2	121400-11340	SEAL, VALVE STEM	3							
26	2	124460-11340	SEAL, VALVE STEM	3							
27	2	27310-080001	COTTER, 8	6							
29	1	120130-11860	GUIDE, VALVE	3							1
30	1	129150-11810	GUIDE, VALVE	3							1
31	1	119802-11870	PROTECTOR, NOZZLE	3							
32	1	119625-11880	SEAT, NOZZLE	3							
33	1	129004-11900	RETAINER, NOZZLE	3							
34	1	120270-54410	WASHER, INJECTOR	3							
35	1	22351-060012	PIN, SPRING 6.0X12	2							
36	1	26106-080252	BOLT, M8X 25 PLATED	2							
37	1	26106-080352	BOLT, M8X 35 PLATED	3							
38	1	26106-080502	BOLT, M8X 50 PLATED	6							
39	1	124160-01751	COVER, FILLER	1							
40	1	129004-11350	BONNET ASSY, HEAD	1							
41	2	129004-03010	PLATE	1							
42	2	129150-03070	BAFFLE, BREATHER	1							
43	2	119802-03110	PLATE	1							
44	2	119802-03121	COVER, DIAPHRAGM	1							
45	2	119802-03130	DIAPHRAGM	1							
46	2	119802-03141	SPRING, DIAPHRAGM	1							
48	2	129004-11310	GASKET, BONNET	1							
49	2	22857-500100	SCREW, 5X10	4							
50	2	22857-500100	SCREW, 5X10	4							
51	1	124160-11360	KNOB	3							
52	1	24311-000120	O-RING, 1AP12.0	3							
53	1	24311-000320	O-RING, 1AP32.0	1							
54	1	129008-77800	PLUG, GLOW	3							
55	1	129008-77820	CONNECTOR, GLOW PLUG	1							

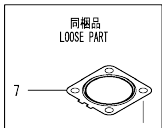
N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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0CW10-M44100 3TNV88-BGMG
Fig.5. SUCTION MANIFOLD



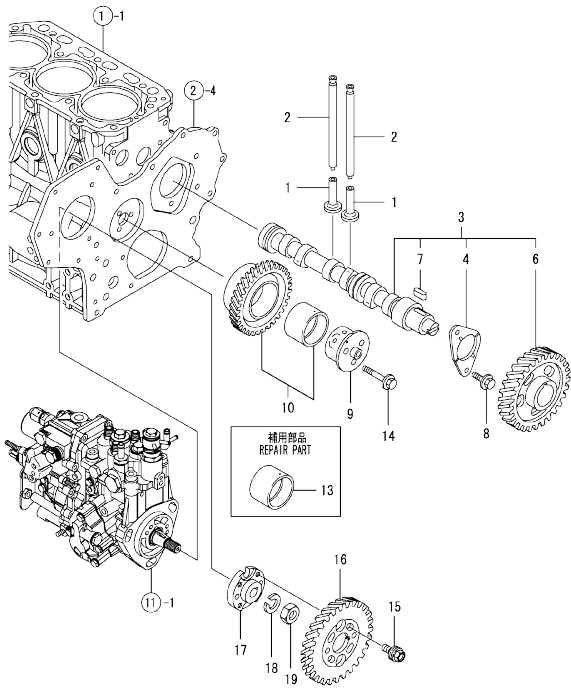
							0CW10-M44100 Fig.5					
							(A)=3TNV88-BGMG					
							(D)=					
							(E)=					
							(F)=					
							Q'ty					
No.	Lev.	Parts No.	Description				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129004-03080	PIPE , BREATHER				1					
2	2	129410-03990	CLIP				2					
3	1	129004-12101	MANIFOLD, AIR INTAKE				1					
4	1	129001-12110	GASKET, MANIFOLD				1					
5	1	26106-080202	BOLT, M8X 20 PLATED				4					
6	1	26106-080802	BOLT, M8X 80 PLATED				1					
7	1	129486-12581	JOINT, MANIFOLD				1					
8	1	129150-77511	GASKET				1					
9	1	26106-080202	BOLT, M8X 20 PLATED				4					

Fig.6. EXHAUST MANIFOLD



				(A)=3TNV88-BGMG (B)= (C)=	0CW10-M44100 Fig.6 (D)= (E)= (F)=						I	R
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)			
1	1	171350-13100	MANIFOLD, EXHAUST	1								
2	1	129150-13110	GASKET	1								
3	1	123900-13610	STUD, M8X80	2								
4	1	123900-13630	BOLT, M8x80	4								
5	1	119131-18320	STUD, M8X22	4								
6	1	26306-080002	NUT, M8	2								
7	1	129004-13200	GASKET, SILENCER	1								

Fig.7. CAMSHAFT & DRIVING GEAR



Remarks
(1) REPAIR PART.

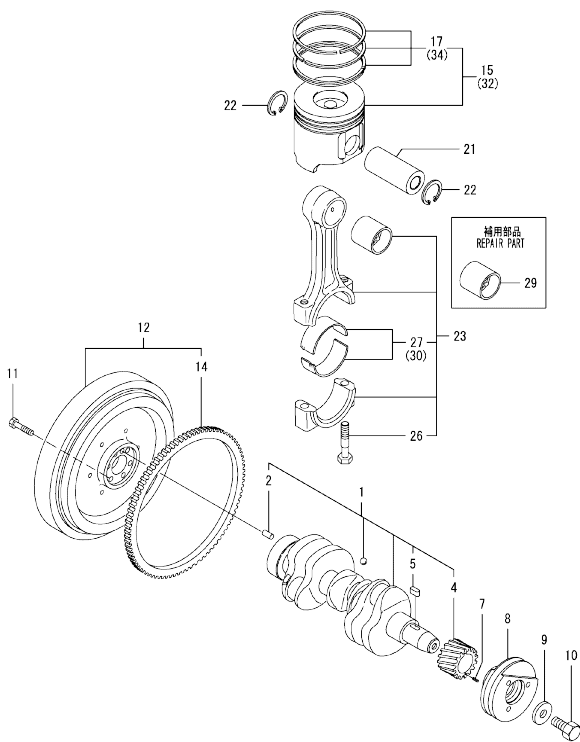
(A)=3TNV88-BGMG
(B)=
(C)=

(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	129150-14400	ROD, PUSH L=178	6							
3	1	129004-14580	CAMSHAFT ASSY	1							
4	2	129150-02450	BEARING, THRUST	1							
6	2	129150-14101	GEAR, CAMSHAFT	1							
7	2	22512-070140	KEY, 7X 14	1							
8	1	26106-080142	BOLT, M8X 14 PLATED	2							
9	1	119803-25050	SHAFT, IDLE	1							
10	1	119802-25101	GEAR ASSY, IDLE	1							
13	1	119802-25071	BUSH, IDLE GEAR	1							1
14	1	26106-080402	BOLT, M8X 40 PLATED	3							
15	1	129150-25301	BOLT	4							
16	1	119802-25901	GEAR, PUMP	1							
17	1	158552-51151	FLANGE	1							
18	1	22217-140000	WASHER, SPRING 14	1							
19	1	26776-140002	NUT, LOCK M14	1							

0CW10-M44100 3TNV88-BGMG

Fig.8. CRANKSHAFT & PISTON



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

0CW10-M44100 Fig.8

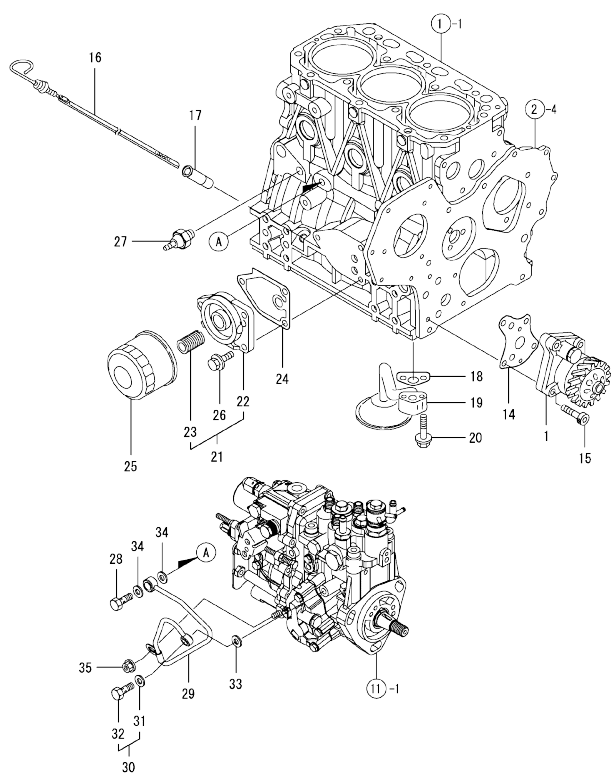
(A)=3TNV88-BGMG
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129008-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	119803-21200	GEAR, CRANKSHAFT	1							
5	2	22512-070140	KEY, 7X 14	1							
7	1	22351-030010	PIN, SPRING 3.0X10	1							
8	1	129005-21650	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	171340-21590	FLYWHEEL ASSY	1							
14	2	124550-21600	GEAR, RING	1							
15	1	129008-22080	PISTON ASSY	3							
17	2	129005-22500	RING SET, PISTON	3							
21	1	129202-22300	PIN, PISTON D26 L70	3							
22	1	22252-000260	RING, 26	6							
23	1	729402-23100	ROD ASSY, CONNECTING	3							1
26	2	121550-23200	BOLT, CONNECTING ROD	6							2
27	2	129150-23601	BEARING, CRANK PIN	3							3
29	1	129100-23910	BEARING, PISTON PIN	3							
30	1	129150-23611	BEARING, 0.25 US	3							
32	1	129008-22900	PISTON ASSY, 0.25 OS	3							
34	2	129005-22950	RING SET, 0.25 OS	3							3

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.9. LUB.OIL SYSTEM



Remarks
(1) REPAIR PART.

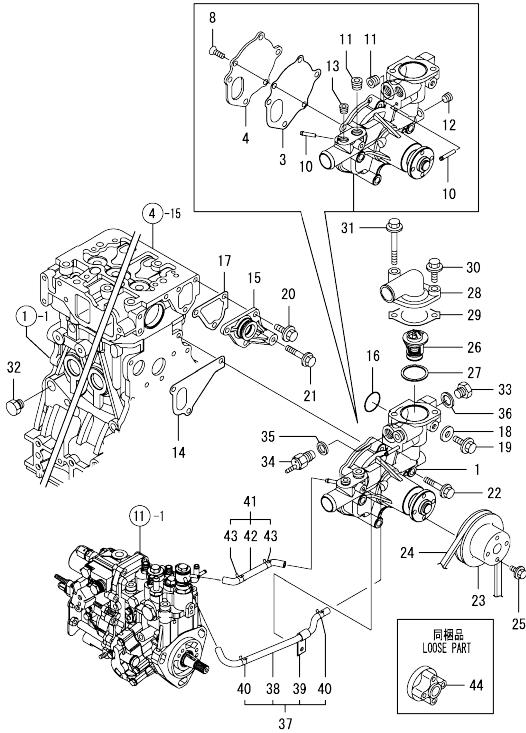
(A)=3TNV88-BGMG
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	Qty	I	R
1	1	129001-32001	PUMP ASSY, OIL	1								
14	1	129150-32020	GASKET, PUMP	1								
15	1	26450-060252	BOLT, M6X 25	4								
16	1	129004-34802	DIPSTICK, OIL	1								
17	1	121520-34810	GUIDE, DIPSTICK	1								
18	1	129150-35042	GASKET	1								
19	1	129100-35301	PIPE ASSY, OIL INLET	1								
20	1	26106-080352	BOLT, M8X 35 PLATED	2								
21	1	119802-35100	BRACKET ASSY, FILTER	1								
22	2	119802-35110	BRACKET, FILTER	1								
23	2	129100-35140	STUD	1								
24	1	129150-35111	GASKET	1								
25	1	129150-35153	FILTER	1								1
26	1	26106-080202	BOLT, M8X 20 PLATED	3								
27	1	114250-39450	SWITCH, 0.5KG	1								
28	1	124160-39140	BOLT, PIPE JOINT M10	1								
29	1	119802-39450	PIPE ASSY, OIL	1								
30	1	129005-59830	BOLT ASSY, JOINT M8	1								
31	2	22190-080002	WASHER, SEAL 6	1								
32	2	23857-030000	BOLT, JOINT 3	1								
33	1	22190-080002	WASHER, SEAL 6	1								
34	1	22190-100002	WASHER, SEAL 10	2								
35	1	26366-060002	NUT, M6	1								

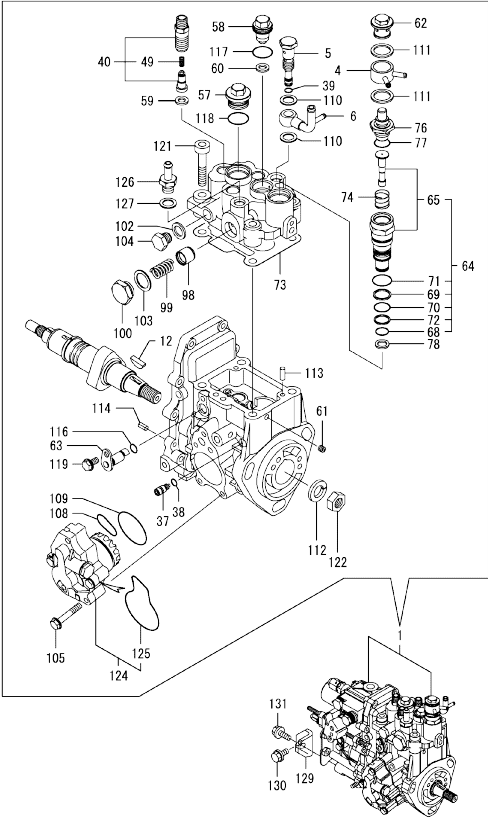
N:Old $\xrightarrow{\text{YES}}$ New. Q:Old $\xrightarrow{\text{NO}}$ New. R:Old $\xrightarrow{\text{YES}}$ New. S:Old $\xrightarrow{\text{NO}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

Fig.10. COOLING WATER SYSTEM



							0CW10-M44100 Fig.10						
							(A)=3TNV88-BGMG						
							(D)=						
							(E)=						
							(F)=						
							Q'ty						
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R		
1	1	129004-42001	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	129155-42350	V-PULLEY	1									
24	1	129612-42330	V-BELT, A37.5	1									
25	1	26106-060122	BOLT, M6X 12 PLATED	4									
26	1	129155-49801	THERMOSTAT, 71	1									
27	1	129150-49811	GASKET, THERMOSTAT	1									
28	1	124101-49531	COVER, THERMOSTAT	1									
29	1	129795-49551	GASKET	1									
30	1	26106-080252	BOLT, M8X 25 PLATED	1									
31	1	26106-080652	BOLT, M8X 65 PLATED	1									
32	1	171056-49120	PLUG, DRAIN	1									
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	129457-44760	SPACER, FAN	1									

Fig.11. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FUEL
INJECTION PUMP(REF.NO.1).

										0CW10-M44100 Fig.11	
										(A)=3TNV88-BGMG	
										(D)=	
										(E)=	
										(F)=	
										Q'ty	
										I R	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729283-51390	PUMP ASSY, INJECTION	1						1	
4	2	158553-51551	JOINT	1							
5	2	158601-51650	JOINT, OVER FLOW	1							
6	2	158552-51670	JOINT, OVER FLOW	1							
12	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	129008-51390	VALVE ASSY, DELIVERY	3							
49	3	158563-51330	SPRING, DELIVERY	3							
57	2	158601-51550	PLUG	1							
58	2	119802-51560	PLUG, BARREL	1							
59	2	158552-51571	GASKET	3							
60	2	158552-51571	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	158553-51660	O-RING, P14	1							
78	2	158553-51680	GASKET	1							
98	2	158601-51770	PISTON	1							
99	2	158552-51781	SPRING	1							
100	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							
105	2	158553-51770	BOLT	4							
108	2	158552-52310	O-RING	1							
109	2	158552-52400	O-RING, 4E S42	1							
110	2	22190-120002	WASHER, SEAL 12	2							
111	2	22190-180002	WASHER, SEAL 18	2							
112	2	22217-140000	WASHER, SPRING 14	1							
113	2	22312-050140	PIN, PARALLEL M5X14	2							
114	2	22351-050010	PIN, SPRING 5.0X10	2							
116	2	24311-000070	O-RING, 1AP7.0	1							
117	2	24356-010180	O-RING, 4D1018	1							
118	2	24356-010200	O-RING, 4D1020	1							
119	2	26106-060102	BOLT, M6X 10 PLATED	1							
121	2	26450-080452	BOLT, M8X 45	4							
122	2	26776-140002	NUT, LOCK M14	1							
124	2	158552-52100	PUMP ASSY, FUEL FEED	1							
125	3	158552-52500	O-RING	1							

N:Old

Q:Old

R:Old

S:Old

W:Add

Z:Discontinued

F:Interchangeable by set

K:Q'ty Change

N:Old

Q:Old

R:Old

S:Old

W:Add

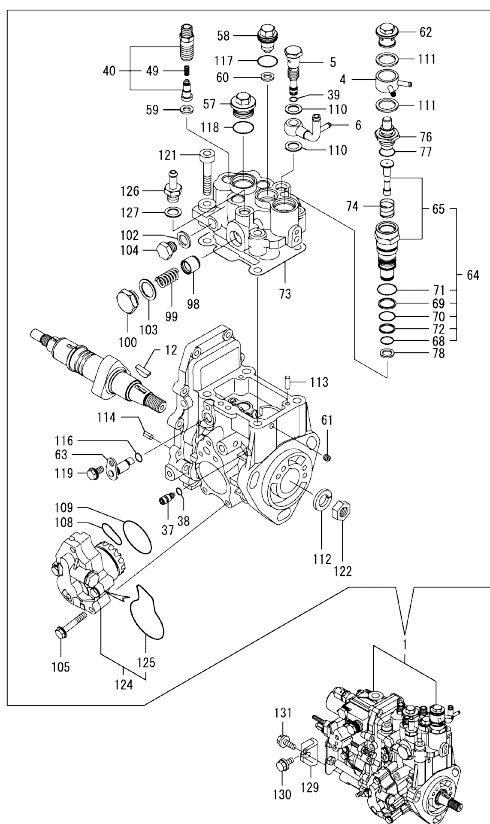
Z:Discontinued

F:Interchangeable by set

K:Q'ty Change

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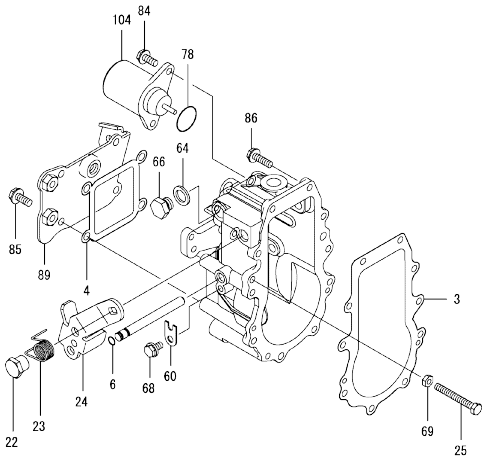
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Remarks
(1) GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FUEL
INJECTION PUMP(REF.NO.1).

				(A)=3TNV88-BGMG	0CW10-M44100 Fig.11						
				(B)=	(D)=						
				(C)=	(E)=						
					(F)=						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
126	2	119934-59910	JOINT, PIPE	1							
127	2	22190-120002	WASHER, SEAL 12	1							
129	1	119802-51250	RETAINER, PUMP	1							
130	1	26106-080162	BOLT, M&X 16 PLATED	1							
131	1	26106-080202	BOLT, M&X 20 PLATED	1							

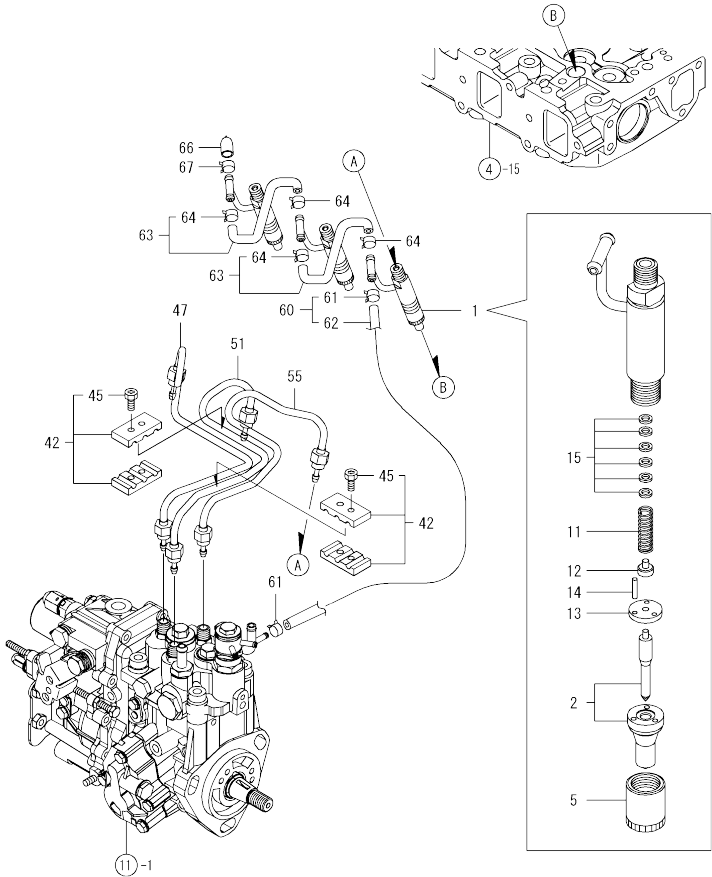
Fig.12. GOVERNOR



Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.11).

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							
22	2	129255-61410	NUT, LOCK	1							
23	2	119807-61420	SPRING, RETURN	1							
24	2	129246-61441	LEVER, REGULATOR	1							
25	2	129155-61460	BOLT, IDLE	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	26106-060142	BOLT, M6X 14 PLATED	2							
85	2	26106-060142	BOLT, M6X 14 PLATED	4							
86	2	26106-060202	BOLT, M6X 20 PLATED	10							
89	2	129246-61061	COVER, GOVERNOR CASE	1							
104	2	119653-77950	SOLENOID, STOP	1							

Fig.13. FUEL INJECTION VALVE

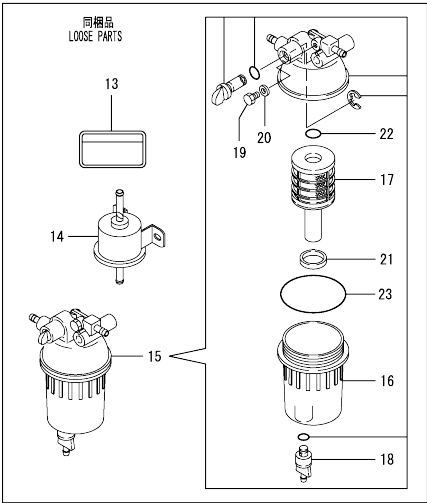
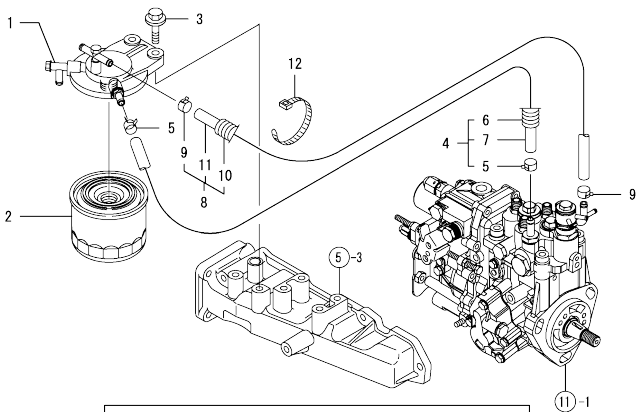


(A)=3TNV88-BGMG
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729283-53100	VALVE ASSY,INJECTION	3							
2	2	129283-53000	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
11	2	114250-53120	SPRING, NOZZLE	3							
12	2	114250-53130	SEAT, SPRING	3							
13	2	114250-53140	PLATE	3							
14	2	114250-53210	PIN	6							
15	2	119803-53400	SHIM SET	3							
42	1	129150-59120	RETAINER, PIPE	2							
45	2	129150-59131	BOLT, M4X14	4							
47	1	129004-59811	PIPE ASSY, INJECTION	1							
51	1	129004-59821	PIPE ASSY, INJECTION	1							
55	1	129004-59831	PIPE ASSY, INJECTION	1							
60	1	119802-59550	PIPE ASSY, RETURN	1							
61	2	124722-59050	CLIP, HOSE 9	2							
62	2	119802-59560	PIPE, FUEL RETURN	1							
63	1	129486-59551	PIPE ASSY, RETURN	2							
64	2	124722-59050	CLIP, HOSE 9	4							
66	1	119593-59581	CAP	1							
67	1	124060-77680	CLIP, HOSE 10	1							

Fig.14. FUEL LINE

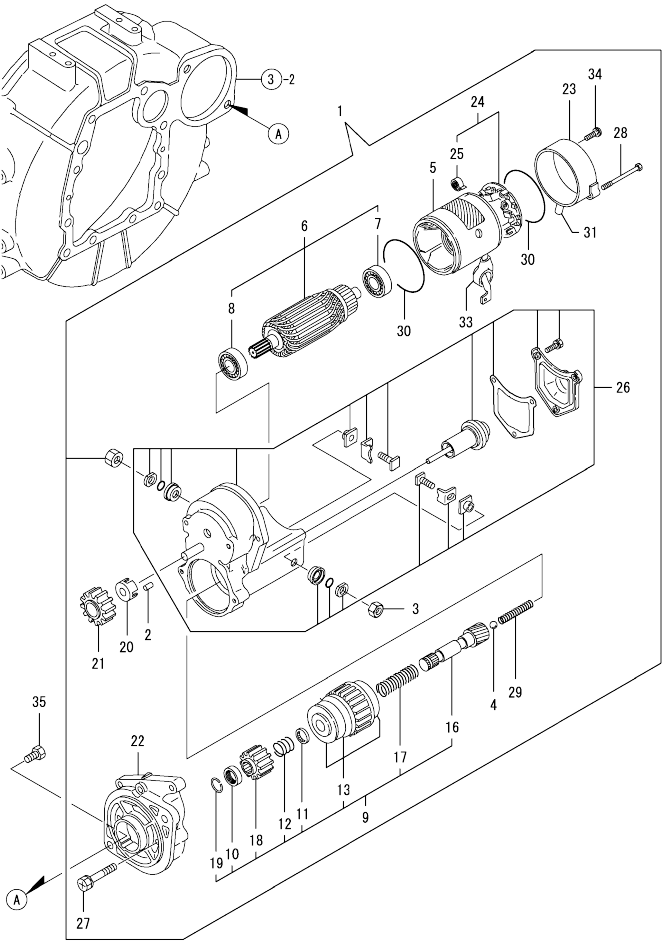


(A)=3TNV88-BGMG
(B)=
(C)=

(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	129044-59010	PIPE, D13/7.5X220	1							
5	2	124766-59050	CLIP, HOSE 12	2							
6	2	129044-59100	TUBE, CORRUGATED	1							
7	2	129044-59510	PIPE, FUEL 220	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	114110-07760	LABEL, FUEL CAUTION	1							
14	1	119225-52102	PUMP ASSY, FUEL FEED	1							
15	1	129242-55700	SEPARATOR ASSY	1							
16	2	129242-55720	CUP	1							
17	2	129242-55730	ELEMENT	1							
18	2	129242-55740	PLUG, DRAIN	1							
19	2	129242-55750	VALVE, AIR VENT	1							
20	2	129242-55760	GASKET	1							
21	2	129242-55770	FLOAT	1							
22	2	24311-000160	O-RING, 1AP16.0	1							
23	2	24321-000750	O-RING, 1AG75.0	1							

Fig.15. STARTING MOTOR

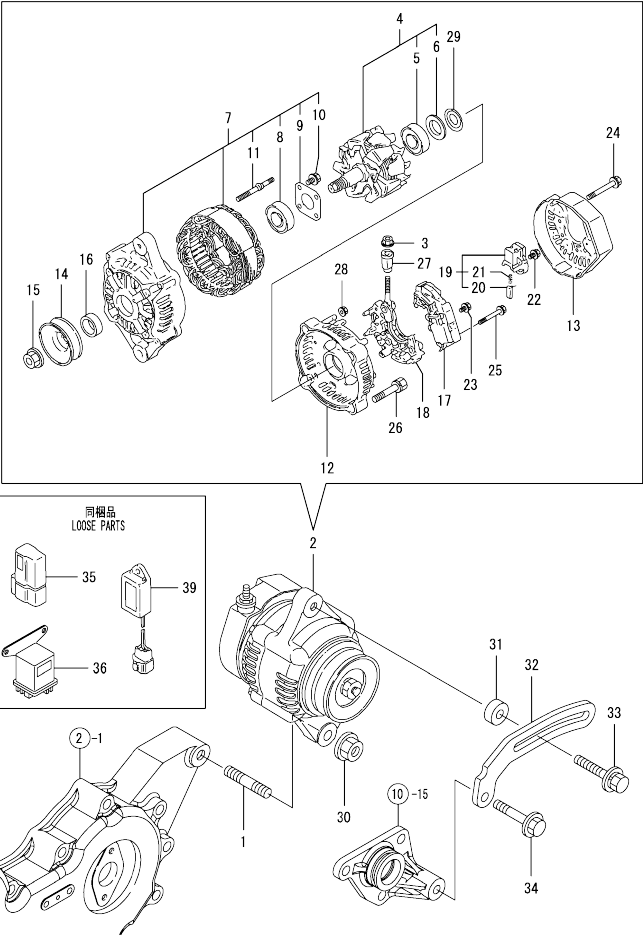


(A)=3TNV88-BGMG
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129129-77010	STARTER ASSY	1							
2	2	X0283060061	ROLLER	5							
3	2	X9490561370	NUT	1							
4	2	X9491200240	BALL	1							
5	2	129129-77210	YOKE ASSY	1							
6	2	129129-77220	ARMATURE ASSY	1							
7	3	129129-77230	BEARING	1							
8	3	129129-77240	BEARING	1							
9	2	129129-77250	STARTER	1							
10	3	X0280210230	NUT	1							
11	3	X0283270140	RETAINER	1							
12	3	X9491703371	SPRING, COIL	1							
13	3	129129-77390	CLUTCH ASSY	1							
16	3	129129-77400	SHAFT	1							
17	3	129129-77410	SPRING, COIL	1							
18	3	129129-77420	PINION, STARTER	1							
19	3	129129-77430	RING	1							
20	2	129129-77260	RETAINER	1							
21	2	129129-77270	PINION	1							
22	2	129129-77280	HOUSING	1							
23	2	129129-77290	FRAME	1							
24	2	129129-77300	HOLDER ASSY	1							
25	3	X9491730461	SPRING	4							
26	2	129129-77310	SWITCH ASSY	1							
27	2	129129-77320	BOLT	2							
28	2	129129-77330	BOLT	2							
29	2	129129-77340	SPRING	1							
30	2	129129-77350	O-RING	2							
31	2	129129-77362	COVER	1							
33	2	129129-77380	CAP	1							
34	2	129129-77460	SCREW	2							
35	1	26116-120252	BOLT, M12X 25 PLATED	2							

Fig.16. GENERATOR

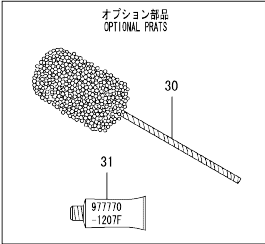
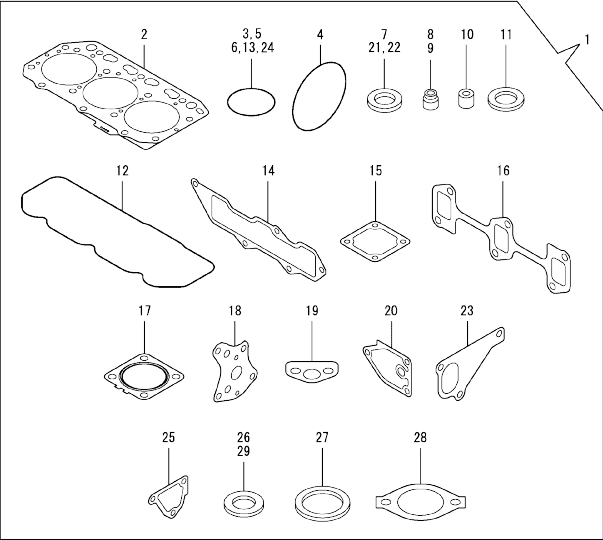


(A)=3TNV88-BGMG
(B)=
(C)=

(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	119940-77270	SPACER, GENERATOR	1							
32	1	119940-77330	ADJUSTER	1							
33	1	129972-77341	BOLT, ADJUSTER L=50	1							
34	1	26106-080452	BOLT, M8X 45 PLATED	1							
35	1	119643-66900	DIODE	1							
36	1	119650-77910	RELAY ASSY, GLOW	1							
39	1	129211-77920	TIMER	1							

0CW10-M44100 3TNV88-BGMG
Fig.17. GASKET SET



Remarks
(1) OPTIONAL PART.

				0CW10-M44100 Fig.17							
				(A)=3TNV88-BGMG (D)= (E)= (F)=							
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-92630	GASKET SET	1							1
2	2	129001-01340	GASKET, HEAD	1							
3	2	119609-32040	O-RING, P16	2							
4	2	121850-51960	O-RING	1							
5	2	24311-000320	O-RING, 1AP32.0	2							
6	2	24341-000240	O-RING, 1AS24.0	1							
7	2	22190-220002	WASHER, SEAL 22	1							
8	2	121400-11340	SEAL, VALVE STEM	3							
9	2	124460-11340	SEAL, VALVE STEM	3							
10	2	119802-11870	PROTECTOR, NOZZLE	3							
11	2	119625-11880	SEAT, NOZZLE	3							
12	2	129004-11310	GASKET, BONNET	1							
13	2	24311-000120	O-RING, 1AP12.0	3							
14	2	129001-12110	GASKET, MANIFOLD	1							
15	2	129150-77511	GASKET	1							
16	2	129150-13110	GASKET	1							
17	2	129004-13200	GASKET, SILENCER	1							
18	2	129150-32020	GASKET, PUMP	1							
19	2	129150-35042	GASKET	1							
20	2	129150-35111	GASKET	1							
21	2	22190-080002	WASHER, SEAL 6	2							
22	2	22190-100002	WASHER, SEAL 10	2							
23	2	129486-42021	GASKET, WATER PUMP	1							
24	2	129486-42140	O-RING, G30	1							
25	2	124395-49840	GASKET	1							
26	2	23414-080000	GASKET, 8X1.0	1							
27	2	129150-49811	GASKET, THERMOSTAT	1							
28	2	129795-49551	GASKET	1							
29	2	124465-44950	GASKET, 16	2							
30	1	129400-92430	HONE	1							1
31	1	977770-1207F	GASKET,LIQUID	1							1

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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114250-53120	13	11
114250-53130	13	12
114250-53140	13	13
114250-53210	13	14
119131-18320	6	5
119225-52102	14	14
119593-59581	13	66
119609-32040	2	9
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119620-01750	3	3
119620-77380	16	4
119620-77421	16	7
119620-77440	16	12
119620-77461	16	14
119620-77471	16	15
119620-77480	16	20
119620-77490	16	16
119620-79200	16	8
119620-79210	16	9
119620-79220	16	10
119620-79230	16	11
119620-79250	16	6
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119620-79320	16	25
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119802-25071	7	13
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119802-35110	9	22
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119802-51090	11	12
119802-51250	11	129
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119802-51590	11	64
119802-51600	11	65
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119940-77330	16	32
120130-11860	4	29
120270-54410	4	34
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121250-44901	10	34
121400-11340	4	25
	17	8
121450-42450	10	33
121520-34810	9	17
121550-23200	8	26
121750-59890	14	12
121850-21680	8	10
121850-42410	10	8
121850-51960	2	10
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123501-79240	16	5
123900-13610	6	3
123900-13630	6	4
124060-01050	1	11
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124160-01751	2	6
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124160-01910	1	12
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124160-11360	4	51
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129004-14580	7	3
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129004-42001	10	1
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129004-49620	10	41
129004-49711	10	38
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129004-59811	13	47
129004-59821	13	51
129004-59831	13	55
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129005-21650	8	8
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129129-77010	15	1
129129-77210	15	5
129129-77220	15	6
129129-77230	15	7
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129150-01200	1	27
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129150-02450	7	4
129150-02871	1	32
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