

0CW10-M05000EN

P R E F A C E

1. This parts catalog is the 1st edition of 2TNV70-KBR, 2TNV70-KBRC, 2TNV70-KBRT for BLACK ROCK SYSTEM.

Pub. No. : 0CW10-G05000

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2. Model name

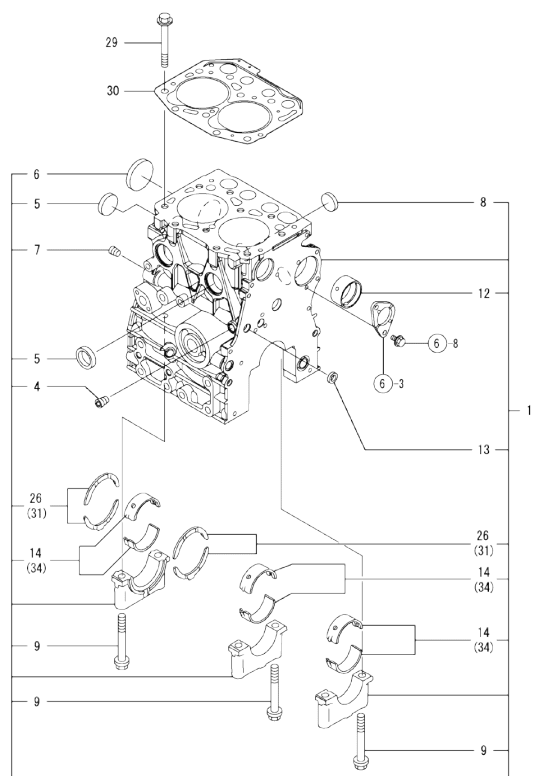
Engine model	Vehicle	Vehicle made by
2TNV70-KBR 2TNV70-KBRC 2TNV70-KBRT	APU GENERATOR	BLACK ROCK SYSTEM

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Fig.1. CYLINDER BLOCK



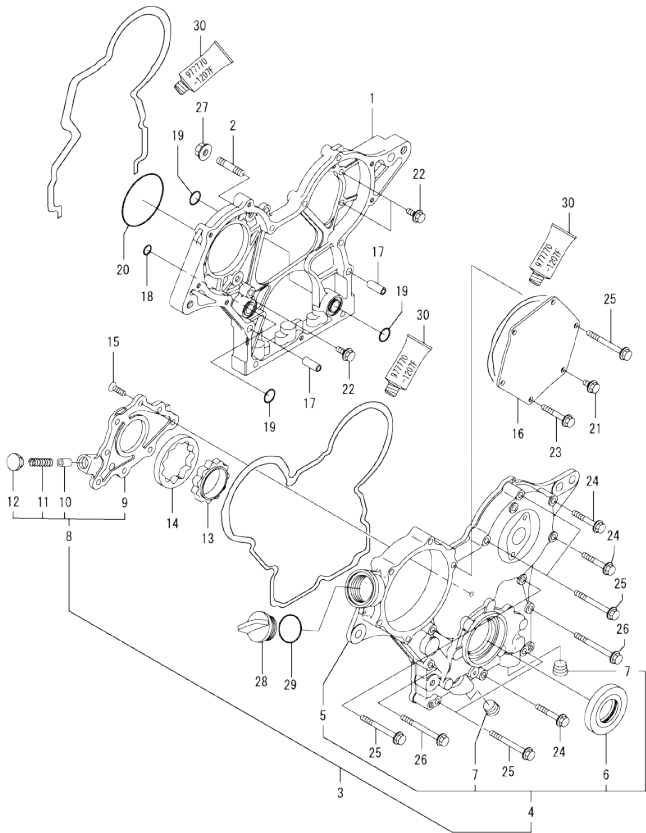
Remarks
(1) REPAIR PART.
(2) OVER-SIZE(O.S=0.25)PART.
(3) UNDER-SIZE(U.S=0.25)PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719415-01560	BLOCK ASSY, CYLINDER	1	1	1					
4	2	124060-01050	PLUG, PT1/8	1	1	1					
5	2	105311-01090	PLUG, 30	3	3	3					
6	2	119623-01250	PLUG, 45	1	1	1					
7	2	124160-01910	PLUG, PT1/4	1	1	1					
8	2	119285-01990	PLUG, 25	2	2	2					
9	2	119620-02020	BOLT, METAL CAP	6	6	6					
12	2	119717-02410	BUSH, CAMSHAFT	1	1	1					
13	2	27241-120000	PLUG, 12	1	1	1					
14	2	719717-02900	BEARING, MAIN	3	3	3					1
26	2	119717-02930	BEARING, THRUST	2	2	2					
29	1	119515-01200	BOLT, HEAD	10	10	10					
30	1	119415-01330	GASKET, HEAD	1	1	1					
31	1	119810-02940	BEARING, THRUST 0.25	2	2	2					2
34	1	719717-02910	BEARING, 0.25 US	3	3	3					3

N:Old $\frac{YBS}{100}$ New, Q:Old $\frac{R10}{100}$ New, R:Old $\frac{YBS}{100}$ New, S:Old $\frac{R10}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.2. GEAR HOUSING



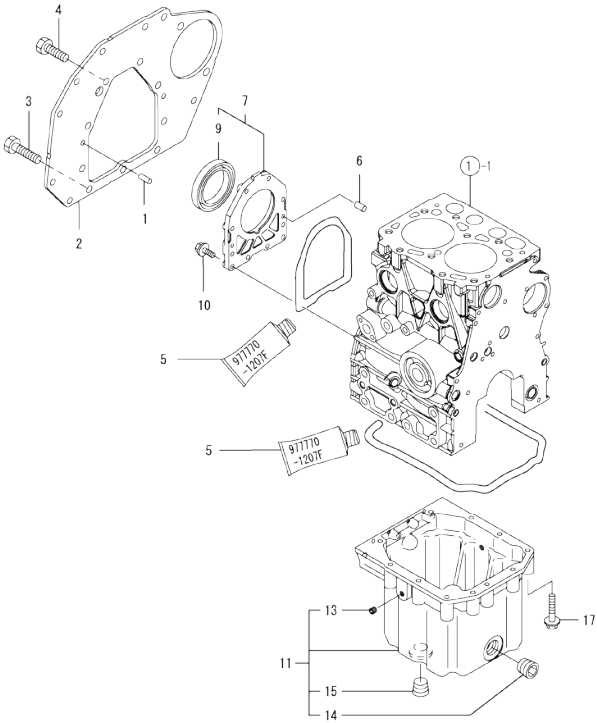
Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119717-01501	CASE, GEAR	1	1	1					
2	1	119717-01570	STUD	3	3	3					
3	1	119734-01590	COVER ASSY,GEAR CASE	1	1	1					
4	2	719734-01500	COVER ASSY,GEAR CASE	1	1	1					
5	3	119717-01521	COVER, GEAR CASE	1	1	1					
6	3	119717-01800	SEAL, OIL	1	1	1					
7	3	23876-030000	PLUG, R03	2	2	2					
8	2	119717-32100	COVER ASSY	1	1	1					
9	3	119717-32080	COVER	1	1	1					
10	3	129900-32130	VALVE, RELIEF	1	1	1					
11	3	129001-32320	SPRING	1	1	1					
12	3	129001-32330	PLUG	1	1	1					
13	2	119717-32110	ROTOR, INNER	1	1	1					
14	2	119717-32120	ROTOR, OUTER	1	1	1					
15	2	119802-32130	SCREW, M6X16	8	8	8					
16	1	119717-01750	COVER	1	1	1					
17	1	119660-01911	PIPE, KNOCK	4	4	4					
18	1	119624-32040	O-RING, P12.0	1	1	1					
19	1	119717-32050	O-RING, P17.0	3	3	3					
20	1	121850-51960	O-RING	1	1	1					
21	1	26106-060122	BOLT, M6X 12 PLATED	1	1	1					
22	1	26106-060162	BOLT, M6X 16 PLATED	4	4	4					
23	1	26106-060402	BOLT, M6X 40 PLATED	4	4	4					
24	1	26106-060402	BOLT, M6X 40 PLATED	3	3	3					
25	1	26106-060602	BOLT, M6X 60 PLATED	7	7	7					
26	1	26106-060652	BOLT, M6X 65 PLATED	2	2	2					
27	1	26306-080002	NUT, M8	3	3	3					
28	1	124160-01751	COVER, FILLER	1	1	1					
29	1	24311-000320	O-RING, 1AP32.0	1	1	1					
30	1	977770-1207F	GASKET,LIQUID	1	1	1					1

N:Old $\frac{YBS}{100}$ New, Q:Old $\frac{HIS}{100}$ New, R:Old $\frac{YBS}{100}$ New, S:Old $\frac{HIS}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.3. MOUNTING FLANGE & OIL SUMP



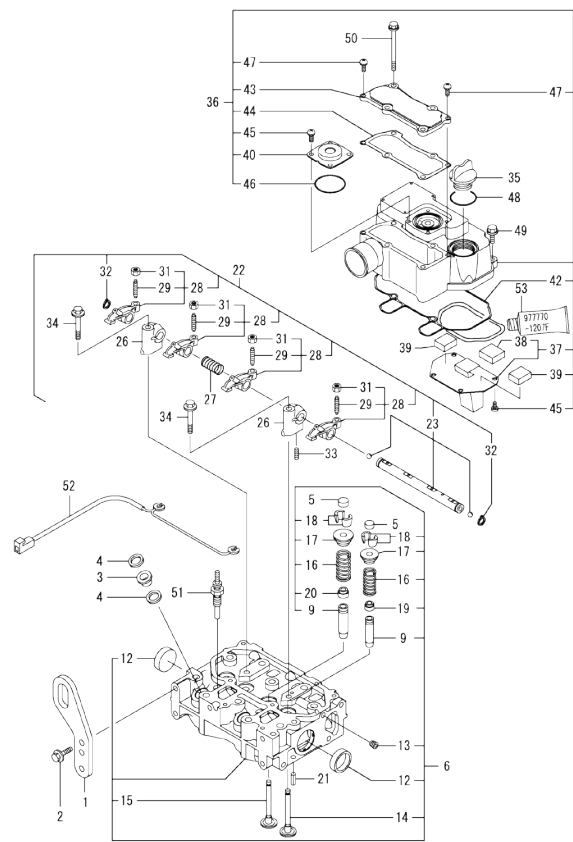
Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2	2	2					
2	1	119718-01600	FLANGE, MOUNTING	1	1	1					
3	1	26206-100252	BOLT, M10X 25 PLATED	3	3	3					
4	1	26206-100202	BOLT, M10X 20 PLATED	7	7	7					
5	1	977770-1207F	GASKET,LIQUID	1	1	1					1
6	1	119620-01620	PIN, M6X10	2	2	2					
7	1	119734-01640	CASE ASSY, OIL SEAL	1	1	1					
9	2	119734-02220	SEAL, OIL	1	1	1					
10	1	26106-060222	BOLT, M6X 22 PLATED	10	10	10					
11	1	119416-01770	SUMP ASSY, OIL	1	1	1					
13	2	119285-01731	PLUG, NPT1/8	2	2	2					
14	2	129486-01740	PLUG, DRAIN 3/4NPT	1	1	1					
15	2	124085-01771	PLUG, NPT1/2	1	1	1					
17	1	26106-060452	BOLT, M6X 45 PLATED	11	11	11					

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.4. CYLINDER HEAD & BONNET

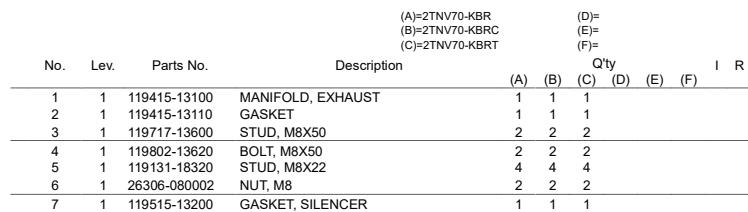


Remarks
(1) REPAIR PART.
(2) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129486-07901	LIFTER	1	1	1					
2	1	26106-080142	BOLT, M8X 14 PLATED	2	2	2					
3	1	129901-11450	PROTECTOR, NOZZLE	2	2	2					
4	1	119600-11460	GASKET, NOZZLE	4	4	4					
5	1	105010-11490	CAP, VALVE	4	4	4					
6	1	119415-11740	HEAD ASSY, CYLINDER	1	1	1					
9	2	119515-11800	GUIDE, VALVE	4	4	4					1
12	2	119285-11990	PLUG, 35	2	2	2					
13	2	23876-005000	PLUG, R005	1	1	1					
14	2	119515-11100	VALVE, INTAKE	2	2	2					
15	2	119515-11110	VALVE, EXHAUST	2	2	2					
16	2	119717-11131	SPRING, VALVE	4	4	4					
17	2	129508-11180	RETAINER, SPRING	4	4	4					
18	2	119717-11190	COTTER	8	8	8					
19	2	119717-11340	SEAL, VALVE STEM	2	2	2					
20	2	119717-11350	SEAL, VALVE STEM	2	2	2					
21	1	22351-060012	PIN, SPRING 6.0X12	2	2	2					
22	1	119415-11200	SUPPORT ASSY, ARM	1	1	1					
23	2	119415-11240	SHAFT ASSY, ROCKER	1	1	1					
26	2	119717-11260	SUPPORT, ROCKER ARM	2	2	2					
27	2	119515-11280	SPRING	1	1	1					
28	2	119717-11650	ARM, ROCKER	4	4	4					
29	3	129150-11230	SCREW, VALVE ADJUST	4	4	4					
31	3	129150-11750	NUT, M8	4	4	4					
32	2	22242-000120	RING, 12	2	2	2					
33	2	26979-050162	SCREW, M5X16	1	1	1					
34	1	26106-080402	BOLT, M8X 40 PLATED	2	2	2					
35	1	124160-01751	COVER, FILLER	1	1	1					
36	1	119416-11380	BONNET ASSY, HEAD	1	1	1					
37	2	119717-03031	PLATE	1	1	1					
38	3	119717-03070	BAFFLE, BREATHER	1	1	1					
39	2	119717-03070	BAFFLE, BREATHER	2	2	2					
40	2	129006-03120	COVER, DIAPHRAGM	1	1	1					
42	2	119415-11310	GASKET, BONNET	1	1	1					
43	2	119415-11320	COVER, BONNET	1	1	1					
44	2	119415-11330	GASKET	1	1	1					
45	2	22857-500100	SCREW, 5X10	8	8	8					
46	2	24341-000400	O-RING, 1AS40.0	1	1	1					
47	2	22857-500160	SCREW, 5X16	2	2	2					
48	1	24311-000320	O-RING, 1AP32.0	1	1	1					
49	1	26106-060202	BOLT, M6X 20 PLATED	2	2	2					
50	1	26106-060752	BOLT, M6X 75 PLATED	4	4	4					
51	1	119718-77800	PLUG, GLOW	2	2	2					
52	1	119415-77820	CONNECTOR, GLOW PLUG	1	1	1					
53	1	977770-1207F	GASKET, LIQUID	1	1	1					2

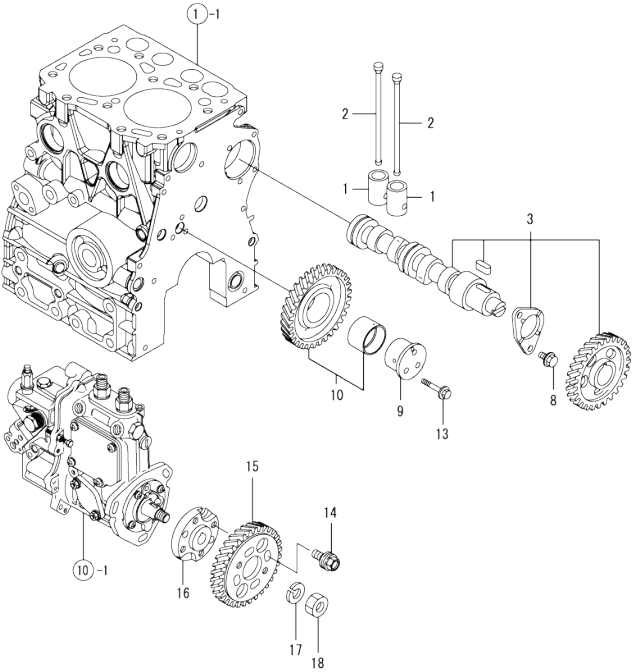
N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{YES}{NO}$ New, R:Old $\frac{YES}{NO}$ New, S:Old $\frac{YES}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.5. EXHAUST MANIFOLD



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

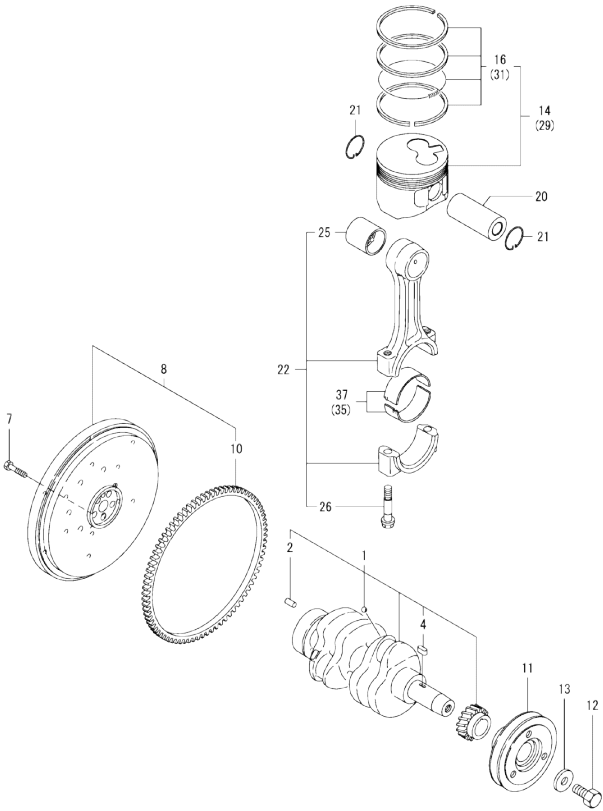
Fig.6. CAMSHAFT & DRIVING GEAR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119620-14200	TAPPET	4	4	4					
2	1	119515-14400	ROD, PUSH	4	4	4					
3	1	119415-14580	CAMSHAFT ASSY	1	1	1					
8	1	26106-060122	BOLT, M6X 12 PLATED	2	2	2					
9	1	119717-25050	SHAFT, IDLE	1	1	1					
10	1	119717-25100	GEAR ASSY, IDLE	1	1	1					
13	1	26106-060352	BOLT, M6X 35 PLATED	3	3	3					
14	1	129150-25301	BOLT	4	4	4					
15	1	119717-25930	GEAR, PUMP	1	1	1					
16	1	119717-51150	FLANGE	1	1	1					
17	1	22217-120000	WASHER, SPRING 12	1	1	1					
18	1	26716-120002	NUT, M12	1	1	1					

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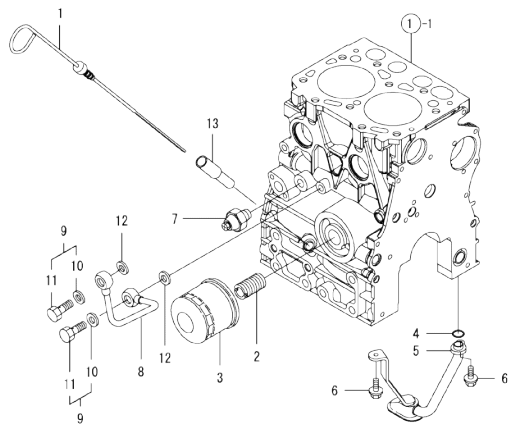
Fig.7. CRANKSHAFT & PISTON



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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119415-21700	CRANKSHAFT ASSY	1	1	1					
2	2	129100-01580	PIN, M8X16	1	1	1					
4	2	22512-040120	KEY, 4X 12	1	1	1					
7	1	119620-21500	BOLT, FLYWHEEL	5	5	5					
8	1	119415-21600	FLYWHEEL ASSY	1	1	1					
10	2	124060-21600	GEAR, RING	1	1	1					
11	1	119717-21650	V-PULLEY	1	1	1					
12	1	119621-21680	BOLT, FLANGE 12X1.25	1	1	1					
13	1	119620-21941	WASHER	1	1	1					
14	1	119516-22020	PISTON ASSY	2	2	2					
16	2	119515-22500	RING SET, PISTON	2	2	2					
20	1	119515-22300	PIN, PISTON	2	2	2					
21	1	22252-000220	RING, 22	4	4	4					
22	1	119515-23000	ROD ASSY, CONNECTING	2	2	2					
25	2	119717-23910	BEARING, PISTON PIN	2	2	2					1
26	2	119717-23200	BOLT, CONNECTING ROD	4	4	4					
29	1	119516-22030	PISTON ASSY, 0.25 OS	2	2	2					3
31	2	119515-22550	RING SET, 0.25 OS	2	2	2					3
35	1	119515-23610	METAL ASSY, 0.25	2	2	2					2
37	1	119515-23600	BEARING, CRANK PIN	2	2	2					

Fig.8. LUB.OIL SYSTEM

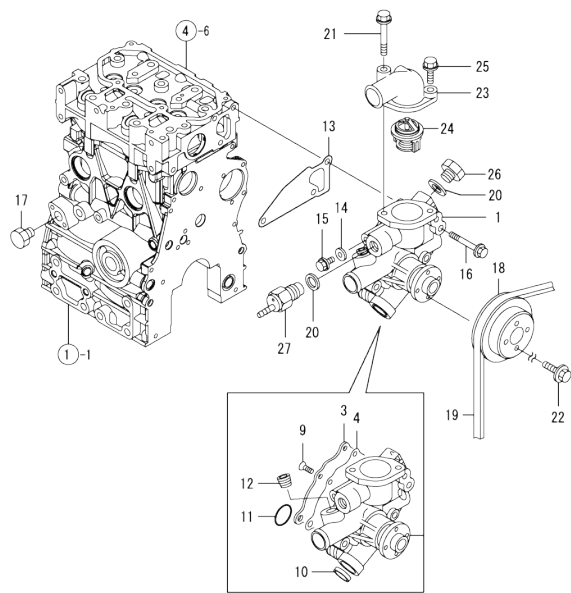


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119416-34800	DIPSTICK, OIL	1	1	1					
2	1	129100-35140	STUD	1	1	1					
3	1	119305-35151	FILTER ASSY, D68XL65	1	1	1					1
4	1	119717-32060	O-RING, P15.0	1	1	1					
5	1	119416-35080	PIPE ASSY, OIL INLET	1	1	1					
6	1	26106-060122	BOLT, M6X 12 PLATED	2	2	2					
7	1	121252-39450	SWITCH, 0.5KG	1	1	1					
8	1	119415-39210	PIPE, OIL	1	1	1					
9	1	129005-59830	BOLT ASSY, JOINT M8	2	2	2					
10	2	22190-080002	WASHER, SEAL 6	2	2	2					
11	2	23857-030000	BOLT, JOINT 3	2	2	2					
12	1	22190-080002	WASHER, SEAL 6	2	2	2					
13	1	121520-34810	GUIDE, DIPSTICK	1	1	1					

Remarks
(1) REPAIR PART.

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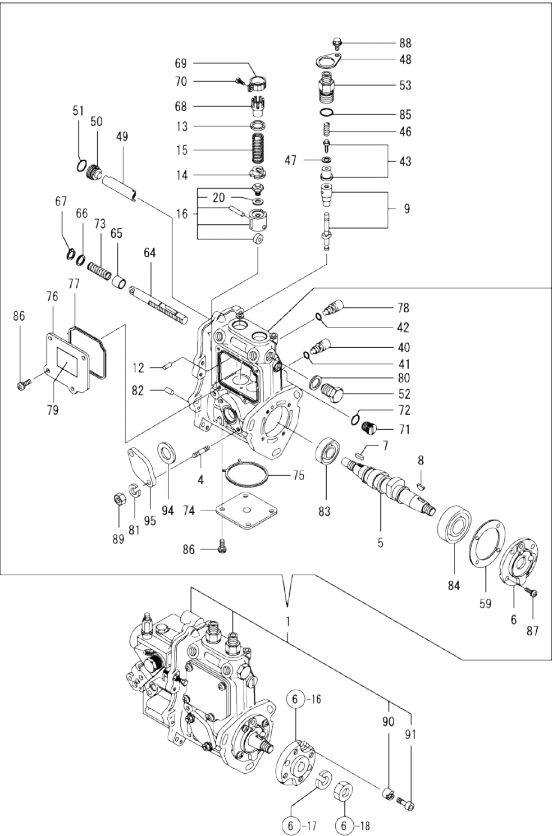
Fig.9. COOLING WATER SYSTEM



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119540-42000	PUMP ASSY, WATER	1	1	1					
1-1	1	119C10-42000	PUMP ASSY, WATER	1	1	1				N	
		(A=E/ C0663) (B=E/ C0663) (C=E/ C0663)									
3	2	119515-42041	COVER	1	1	1					
4	2	119717-42031	GASKET	1	1	1					
9	2	26577-060122	SCREW, M6X12	4	4	4					
10	2	27241-250000	PLUG, 25	1	1	1					
11	2	119717-42320	O-RING, P26	1	1	1					
11-1	2	119C10-42320	O-RING, 2028	1	1	1				S	
		(A=E/ C0663) (B=E/ C0663) (C=E/ C0663)									
12	2	129916-49740	PLUG, R03	1	1	1					
13	1	119515-42020	GASKET, WATER PUMP	1	1	1					
14	1	23414-080000	GASKET, 8X1.0	1	1	1					
15	1	26106-080122	BOLT, M8X 12 PLATED	1	1	1					
16	1	26106-080502	BOLT, M8X 50 PLATED	3	3	3					
17	1	171056-49120	PLUG, DRAIN	1	1	1					
18	1	119515-42350	V-PULLEY, D=110	1	1	1					
19	1	129612-42400	V-BELT, A35.5	1	1	1					
20	1	124465-44950	GASKET, 16	2	2	2					
21	1	26106-080652	BOLT, M8X 65 PLATED	1	1	1					
22	1	26106-060122	BOLT, M6X 12 PLATED	4	4	4					
23	1	124101-49531	COVER, THERMOSTAT	1	1	1					
24	1	119718-49800	THERMOSTAT, 82	1	1	1					
25	1	26106-080252	BOLT, M8X 25 PLATED	1	1	1					
26	1	121450-42450	PLUG, M16	1	1	1					
27	1	121250-44901	SWITCH, 110	1	1	1					

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Fig.10. FUEL INJECTION PUMP



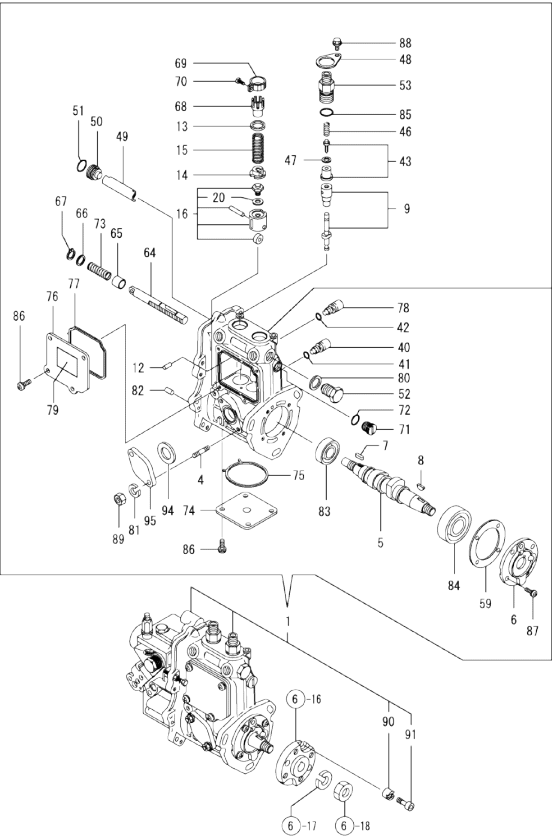
Remarks
(1) GOVERNOR ASSY(FIG.11) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719415-51380	PUMP ASSY, INJECTION	1	1	1					1
4	2	129155-51020	STUD	2	2	2					
5	2	119415-51030	CAMSHAFT	1	1	1					
6	2	119717-51060	SUPPORT, CAMSHAFT	1	1	1					
7	2	119717-51070	KEY	1	1	1					
8	2	122710-51090	KEY	1	1	1					
9	2	119515-51100	PLUNGER ASSY	2	2	2					
12	2	129155-51140	PIN	2	2	2					
13	2	158600-51170	RETAINER, SPRING	2	2	2					
14	2	119717-51180	RETAINER, SPRING	2	2	2					
15	2	119717-51190	SPRING, PLUNGER	2	2	2					
16	2	119717-51200	TAPPET ASSY	2	2	2					
20	3	129155-51600	SHIM SET, ADJUSTING	2	2	2					
40	2	158600-51270	STOPPER, TAPPET	2	2	2					
41	2	129155-51280	O-RING, S6	2	2	2					
42	2	129155-51280	O-RING, S6	1	1	1					
43	2	119717-51300	VALVE ASSY, DELIVERY	2	2	2					
46	2	119717-51330	SPRING, DELIVERY	2	2	2					
47	2	124550-51350	GASKET, DELIVERY	2	2	2					
48	2	118400-51370	LOCKING	2	2	2					
49	2	119415-51400	PROTECTOR	1	1	1					
50	2	158600-51410	PLUG, DEFLECTOR	1	1	1					
51	2	119717-51420	O-RING	1	1	1					
52	2	158600-51420	PLUG, DEFLECTOR	1	1	1					
53	2	158600-51441	VALVE ASSY, DELIVERY	2	2	2					
59	2	129155-51450	SHIM SET, ADJUSTING	1	1	1					
64	2	119415-51500	RACK, CONTROL	1	1	1					
65	2	129155-51521	BUSH, RACK	1	1	1					
66	2	129155-51530	SPACER	1	1	1					
67	2	129155-51540	CIRCLIP	1	1	1					
68	2	129155-51550	PINION, CONTROL	2	2	2					
69	2	129100-51560	PINION	2	2	2					
70	2	129100-51570	SCREW	2	2	2					
71	2	158600-51570	PLUG	1	1	1					
72	2	129155-51580	O-RING	1	1	1					
73	2	129155-51591	SPRING, RACK	1	1	1					
74	2	119415-51700	COVER	1	1	1					
75	2	119415-51710	GASKET	1	1	1					
76	2	119415-51750	COVER	1	1	1					
77	2	119415-51760	GASKET	1	1	1					
78	2	158600-51790	STOOPER, RACK	1	1	1					
79	2	129156-51910	LABEL, CAUTION	1	1	1					
80	2	22190-160002	WASHER, SEAL 16	1	1	1					
81	2	22217-060000	WASHER, SPRING 6	2	2	2					
82	2	22351-050010	PIN, SPRING 5.0X10	2	2	2					
83	2	24101-060034	BEARING, BALL 6003	1	1	1					
84	2	24101-063034	BEARING, BALL 6303	1	1	1					
85	2	24316-000150	O-RING, 4DP15.0	2	2	2					
86	2	26022-050122	SCREW, M5X12	8	8	8					
87	2	26022-060162	SCREW, M6X16	4	4	4					
88	2	26106-050102	BOLT, M5X 10 PLATED	2	2	2					

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Fig.10. FUEL INJECTION PUMP



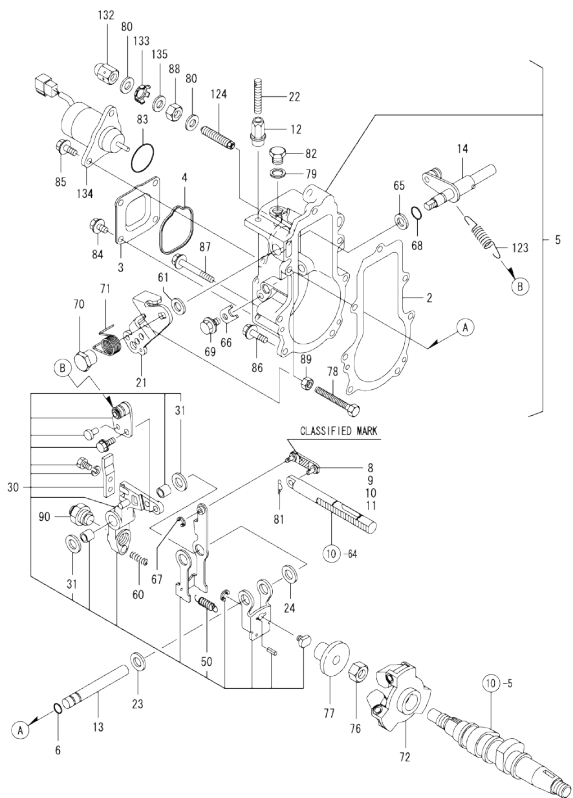
Remarks
(1) GOVERNOR ASSY(FIG.11) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
89	2	26716-060002	NUT, M6	2	2	2					
90	2	119717-51480	COLLAR	1	1	1					
91	2	119717-51490	BOLT	1	1	1					
94	2	129155-52051	GASKET	1	1	1					
95	2	129100-52200	COVER	1	1	1					

N:Old $\frac{YBS}{100}$ New, Q:Old $\frac{RIS}{100}$ New, R:Old $\frac{YBS}{100}$ New, S:Old $\frac{RIS}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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0CW10-M05000

Fig.11. GOVERNOR

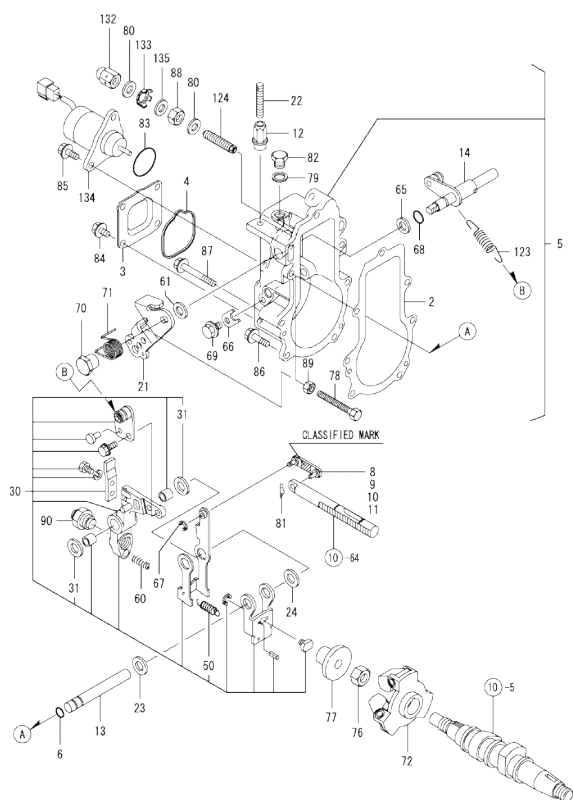


Remarks
(1) SELECTIVE PARTS: CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER (REF. TO ILLUSTRATION).
* THIS FIGURE (GOVERNOR ASSY) IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY (FIG. 10).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	119717-61050	GASKET	1	1	1					
3	2	119717-61060	COVER, GOVERNOR CASE	1	1	1					
4	2	119717-61070	GASKET	1	1	1					
5	2	119515-61200	CASE ASSY, GOVERNOR	1	1	1					
6	3	129155-61280	O-RING, S6	1	1	1					
8	3	119717-61120	LINK, MARK :3	1	1	1					1
9	3	119717-61130	LINK, MARK 98	1	1	1					1
10	3	119717-61140	LINK, MARK 88	1	1	1					1
11	3	119717-61150	LINK, MARK 03	1	1	1					1
12	3	129209-61370	NUT, M6	1	1	1					
13	3	129052-61390	SHAFT	1	1	1					
14	3	119717-61400	SHAFT ASSY	1	1	1					
21	3	119515-61440	LEVER, CONTROL	1	1	1					
22	3	129155-61450	BOLT, LIMITER	1	1	1					
23	3	129156-61460	SHIM, T=0.6	1	1	1					
24	3	129155-61480	SPACER ASSY	1	1	1					
30	3	119516-61500	LEVER ASSY, GOVERNOR	1	1	1					
31	4	174307-51700	SHIM SET	2	2	2					
50	4	129486-61540	SPRING, SET	1	1	1					
60	3	129486-61650	SPRING, STARTING	1	1	1					
61	3	158552-61700	SHIM SET	1	1	1					
65	3	158552-61710	SHIM, T=1.0	1	1	1					
66	3	119660-61901	RETAINER, SHAFT	1	1	1					
67	3	22272-000030	RING, E- 3	1	1	1					
68	3	24341-000070	O-RING, 1AS7.0	1	1	1					
69	3	26106-060102	BOLT, M6X 10 PLATED	1	1	1					
70	3	129255-61410	NUT, LOCK	1	1	1					
71	3	129255-61420	SPRING, RETURN	1	1	1					
72	2	119717-61200	WEIGHT ASSY, GOVERNOR	1	1	1					
76	2	119660-61300	NUT	1	1	1					
77	2	129155-61341	SLEEVE	1	1	1					
78	2	129155-61460	BOLT, IDLE	1	1	1					
79	2	22190-100002	WASHER, SEAL 10	1	1	1					
80	2	22190-120002	WASHER, SEAL 12	2	2	2					
81	2	22372-040000	PIN, SNAP 4	1	1	1					
82	2	23887-100002	PLUG, 10	1	1	1					
83	2	24341-000280	O-RING, 1AS28.0	1	1	1					
83-1	2	158552-61900	O-RING	1	1	1					N
(A)=EXXXXX (B)=EXXXXX (C)=EXXXXX											
84	2	26106-060102	BOLT, M6X 10 PLATED	4	4	4					
85	2	26106-060142	BOLT, M6X 14 PLATED	2	2	2					
86	2	26106-060202	BOLT, M6X 20 PLATED	4	4	4					
87	2	26106-060452	BOLT, M6X 45 PLATED	3	3	3					
88	2	26736-120002	NUT, M12	1	1	1					
89	2	26756-060002	NUT, LOCK M6	1	1	1					
90	2	119515-61550	ANGLEICH ASSY	1	1	1					
123	2	119717-61700	SPRING, GOVERNOR	1	1	1					
124	2	158601-61710	LIMITER ASSY, FUEL	1	1	1					
132	2	129209-61930	NUT, CAP	1	1	1					
133	2	129209-61970	SOLENOID, STOP	1	1	1					
134	2	119653-77950	SOLENOID, STOP	1	1	1					

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

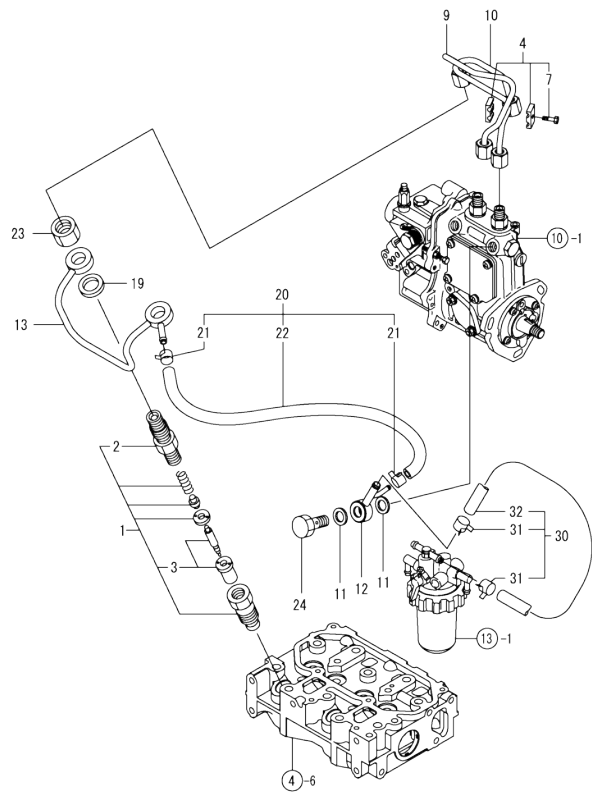


Remarks
(1) SELECTIVE PARTS: CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REF.TO.ILLUSTRATION).
* THIS FIGURE(GOVERNOR ASSY)IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY(FIG. 10).

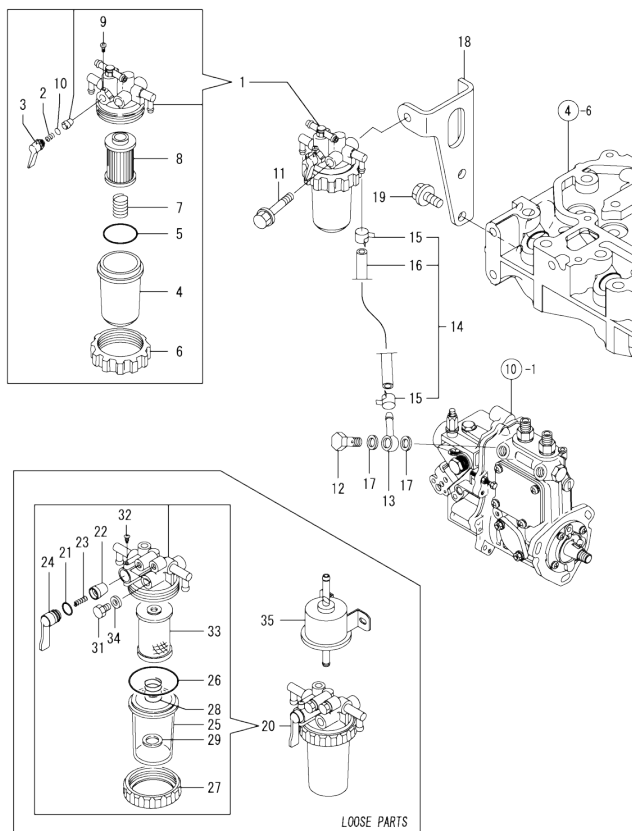
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
135	2	23414-120016	GASKET, 12X1.0	1	1	1					

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.12. FUEL INJECTION VALVE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119515-53001	VALVE ASSY,INJECTION	2	2	2					
2	2	118200-53010	HOLDER, NOZZLE	2	2	2					
3	2	119515-53010	VALVE ASSY,INJECTION	2	2	2					
4	1	119305-59120	RETAINER, PIPE	1	1	1					
7	2	129150-59131	BOLT, M4X14	1	1	1					
9	1	119415-59810	PIPE ASSY, INJECTION	1	1	1					
10	1	119415-59820	PIPE ASSY, INJECTION	1	1	1					
11	1	22190-120002	WASHER, SEAL 12	2	2	2					
12	1	119840-59570	JOINT	1	1	1					
13	1	119415-59540	PIPE ASSY, RETURN	1	1	1					
19	1	129901-59560	GASKET	2	2	2					
20	1	119540-59570	PIPE ASSY, RETURN	1	1	1					
21	2	124066-59100	CLIP, HOSE 8	2	2	2					
22	2	119540-59560	PIPE ASSY, RETURN	1	1	1					
23	1	119620-59700	NUT, NOZZLE	2	2	2					
24	1	119813-59950	VALVE ASSY, CHECK	1	1	1					
30	1	129210-59110	PIPE ASSY, FUEL	1	1	1					
31	2	124766-59050	CLIP, HOSE 12	2	2	2					
32	2	105025-59560	PIPE, FUEL	1	1	1					

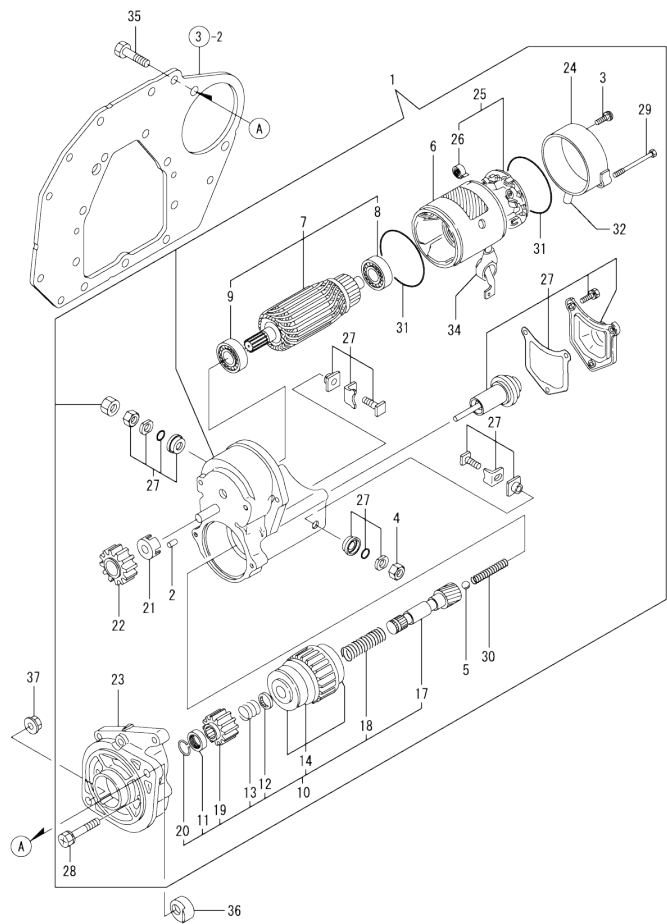


No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119833-55620	FILTER ASSY, FUEL	1	1	1					
2	2	104200-55330	SPRING, VALVE	1	1	1					
3	2	119810-55340	LEVER	1	1	1					
4	2	121254-55510	COVER	1	1	1					
5	2	102103-55520	O-RING	1	1	1					
6	2	110250-55610	RING, RETAINING	1	1	1					
7	2	121250-55620	SPRING	1	1	1					
8	2	119810-55650	ELEMENT	1	1	1					
9	2	104200-55750	SCREW, M4	1	1	1					
10	2	24311-240100	O-RING, 1AP10A	1	1	1					
11	1	26014-080702	BOLT, M8X 70	1	1	1					
12	1	103854-39140	BOLT, PIPE JOINT	1	1	1					
13	1	101304-59020	JOINT, PIPE 12	1	1	1					
14	1	129210-59050	PIPE ASSY, FUEL	1	1	1					
15	2	124766-59050	CLIP, HOSE 12	2	2	2					
16	2	105312-59510	PIPE, FUEL	1	1	1					
17	1	22190-120002	WASHER, SEAL 12	2	2	2					
18	1	119717-55650	BRACKET, FILTER	1	1	1					
19	1	26106-080162	BOLT, M8X 16 PLATED	2	2	2					
20	1	129335-55700	SEPARATOR ASSY, WATER	1	1	1					
21	2	24311-240100	O-RING, 1AP10A	1	1	1					
22	2	104200-55321	VALVE, TAPER	1	1	1					
23	2	104200-55330	SPRING, VALVE	1	1	1					
24	2	104200-55341	HANDLE	1	1	1					
25	2	124064-55510	COVER	1	1	1					
26	2	102103-55520	O-RING	1	1	1					
27	2	110250-55610	RING, RETAINING	1	1	1					
28	2	121257-55720	SPRING	1	1	1					
29	2	121257-55731	FLOAT	1	1	1					
31	2	101720-55750	PLUG, 6	2	2	2					
32	2	104200-55750	SCREW, M4	1	1	1					
33	2	171081-55910	SCREEN	1	1	1					
34	2	23418-060000	GASKET, 6X1.0	2	2	2					
35	1	119225-52102	PUMP ASSY, FUEL FEED	1	1	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:Qty Change

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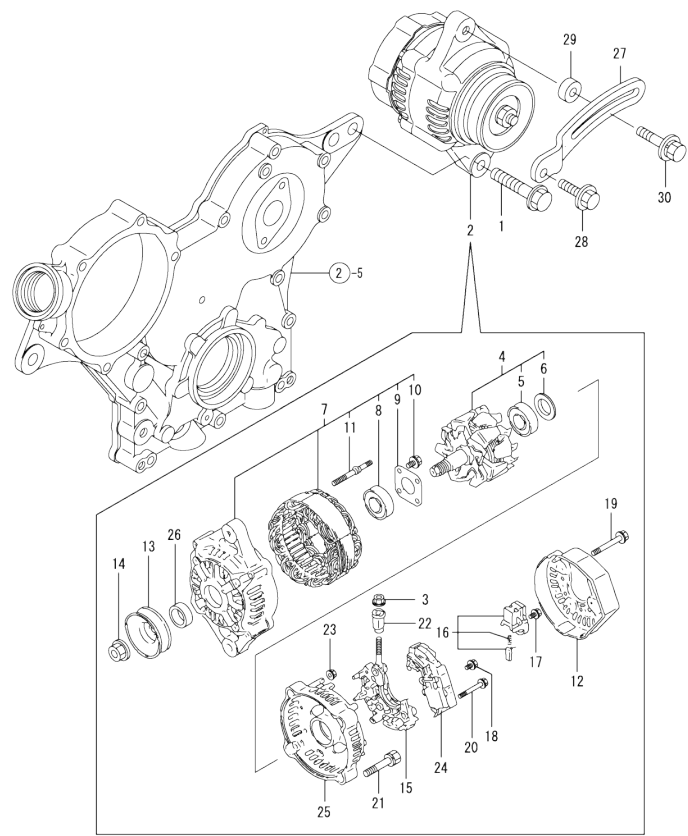
Fig.14. STARTING MOTOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129129-77010	STARTER ASSY	1	1	1					
2	2	X0283060061	ROLLER	5	5	5					
3	2	129129-77460	SCREW	2	2	2					
4	2	X9490561370	NUT	1	1	1					
5	2	X9491200240	BALL	1	1	1					
6	2	129129-77210	YOKE ASSY	1	1	1					
7	2	129129-77220	ARMATURE ASSY	1	1	1					
8	3	129129-77230	BEARING	1	1	1					
9	3	129129-77240	BEARING	1	1	1					
10	2	129129-77250	STARTER	1	1	1					
11	3	X0280210230	NUT	1	1	1					
12	3	X0283270140	RETAINER	1	1	1					
13	3	X9491703371	SPRING, COIL	1	1	1					
14	3	129129-77390	CLUTCH ASSY	1	1	1					
17	3	129129-77400	SHAFT	1	1	1					
18	3	129129-77410	SPRING, COIL	1	1	1					
19	3	129129-77420	PINION, STARTER	1	1	1					
20	3	129129-77430	RING	1	1	1					
21	2	129129-77260	RETAINER	1	1	1					
22	2	129129-77270	PINION	1	1	1					
23	2	129129-77280	HOUSING	1	1	1					
24	2	129129-77290	FRAME	1	1	1					
25	2	129129-77300	HOLDER ASSY	1	1	1					
26	3	X9491730461	SPRING	4	4	4					
27	2	129129-77310	SWITCH ASSY	1	1	1					
28	2	129129-77320	BOLT	2	2	2					
29	2	129129-77330	BOLT	2	2	2					
30	2	129129-77340	SPRING	1	1	1					
31	2	129129-77350	O-RING	2	2	2					
32	2	129129-77362	COVER	1	1	1					
34	2	129129-77380	CAP	1	1	1					
35	1	26156-120302	BOLT, M12X 30 PLATED	2	2	2					
36	1	119285-77050	NUT	1	1	1					
37	1	26376-120002	NUT, M12	1	1	1					

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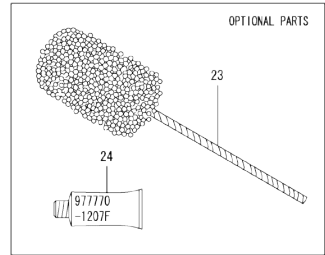
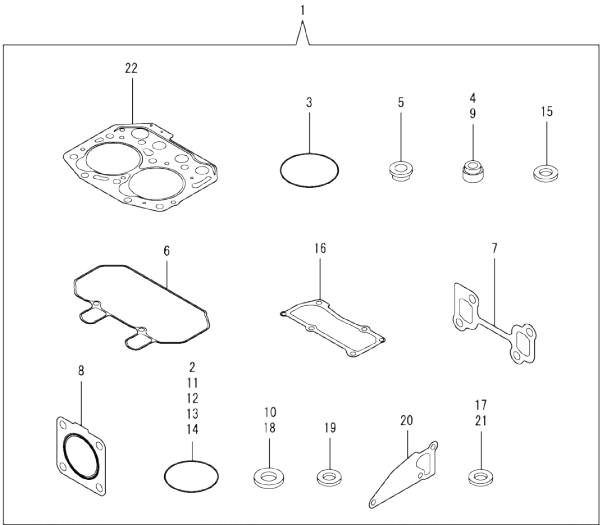
Fig.15. GENERATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	26106-100502	BOLT, M10X 50 PLATED	1	1	1					
2	1	119626-77210	ALTERNATOR, 12V-55A	1	1	1					
3	2	X9490561001	NUT	1	1	1					
4	2	129052-77380	ROTOR ASSY	1	1	1					
5	3	123501-79240	BEARING, BALL	1	1	1					
6	3	119620-79250	COVER	1	1	1					
7	2	129052-77422	FRAME ASSY	1	1	1					
8	3	119620-79200	BEARING, BALL	1	1	1					
9	3	119620-79210	PLATE, RETAINER	1	1	1					
10	3	119620-79220	SCREW	4	4	4					
11	3	119620-79230	STUD	2	2	2					
12	2	128401-77440	FRAME	1	1	1					
13	2	119620-77461	PULLEY	1	1	1					
14	2	119620-77471	NUT	1	1	1					
15	2	129052-79260	HOLDER	1	1	1					
16	2	129052-79270	HOLDER, BRUSH	1	1	1					
17	2	119620-79290	SCREW	6	6	6					
18	2	119620-79300	SCREW	1	1	1					
19	2	119620-79310	BOLT	3	3	3					
20	2	119620-79320	SCREW	2	2	2					
21	2	119620-79330	BOLT	2	2	2					
22	2	119620-79340	BUSH, INSULATION	1	1	1					
23	2	119620-79350	NUT	2	2	2					
24	2	129423-77710	REGULATOR ASSY	1	1	1					
25	2	119626-79410	COVER	1	1	1					
25-1	2	119626-77450	COVER	1	1	1					N
(A)=FROM 1ST (B)=FROM 1ST (C)=FROM 1ST											
26	2	119620-77490	COLLAR	1	1	1					
27	1	119717-77340	ADJUSTER	1	1	1					
28	1	26106-080202	BOLT, M8X 20 PLATED	1	1	1					
29	1	119940-77270	SPACER, GENERATOR	1	1	1					
30	1	129972-77341	BOLT, ADJUSTER L=50	1	1	1					

0CW10-M05000

Fig.16. GASKET SET



(A)=2TNV70-KBR
(B)=2TNV70-KBRC
(C)=2TNV70-KBRT

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719415-92670	GASKET SET	1	1	1					1
2	2	24341-000400	O-RING, 1AS40.0	1	1	1					
3	2	121850-51960	O-RING	1	1	1					
4	2	119717-11340	SEAL, VALVE STEM	2	2	2					
5	2	129901-11450	PROTECTOR, NOZZLE	2	2	2					
6	2	119415-11310	GASKET, BONNET	1	1	1					
7	2	119415-13110	GASKET	1	1	1					
8	2	119515-13200	GASKET, SILENCER	1	1	1					
9	2	119717-11350	SEAL, VALVE STEM	2	2	2					
10	2	22190-080002	WASHER, SEAL 6	4	4	4					
11	2	24311-000320	O-RING, 1AP32.0	2	2	2					
12	2	119717-32060	O-RING, P15.0	1	1	1					
13	2	119624-32040	O-RING, P12.0	1	1	1					
14	2	119717-32050	O-RING, P17.0	3	3	3					
15	2	119600-11460	GASKET, NOZZLE	4	4	4					
16	2	119415-11330	GASKET	1	1	1					
17	2	124465-44950	GASKET, 16	2	2	2					
18	2	22190-120002	WASHER, SEAL 12	4	4	4					
19	2	129901-59560	GASKET	2	2	2					
20	2	119515-42020	GASKET, WATER PUMP	1	1	1					
21	2	23414-080000	GASKET, 8X1.0	1	1	1					
22	2	119415-01330	GASKET, HEAD	1	1	1					
23	1	129400-92410	HONE	1	1	1					1
24	1	977770-1207F	GASKET, LIQUID	1	1	1					1

Remarks
(1) OPTIONAL PART.

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{RIS}{YES}$ New, R:Old $\frac{YES}{YES}$ New, S:Old $\frac{RIS}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Parts No. Index

Parts No.	Fig. No.	Ref. No.
101304-59020	13	13
101720-55750	13	31
102103-55520	13	5
		26
103854-39140	13	12
104200-55321	13	22
104200-55330	13	2
		23
104200-55341	13	24
104200-55750	13	9
		32
105010-11490	4	5
105025-59560	12	32
105311-01090	1	5
105312-59510	13	16
110250-55610	13	6
		27
118200-53010	12	2
118400-51370	10	48
119131-18320	5	5
119225-52102	13	35
119285-01731	3	13
119285-01990	1	8
119285-11990	4	12
119285-77050	14	36
119305-35151	8	3
119305-59120	12	4
119415-01330	1	30
	16	22
119415-11200	4	22
119415-11240	4	23
119415-11310	4	42
	16	6
119415-11320	4	43
119415-11330	4	44
	16	16
119415-11740	4	6
119415-13100	5	1
119415-13110	5	2
	16	7
119415-14580	6	3
119415-21600	7	8
119415-21700	7	1
119415-39210	8	8
119415-51030	10	5
119415-51400	10	49
119415-51500	10	64
119415-51700	10	74
119415-51710	10	75
119415-51750	10	76

Parts No.	Fig. No.	Ref. No.
119415-51760	10	77
119415-59540	12	13
119415-59810	12	9
119415-59820	12	10
119415-77820	4	52
119416-01770	3	11
119416-11380	4	36
119416-34800	8	1
119416-35080	8	5
119515-01200	1	29
119515-11100	4	14
119515-11110	4	15
119515-11280	4	27
119515-11800	4	9
119515-13200	5	7
	16	8
119515-14400	6	2
119515-22300	7	20
119515-22500	7	16
119515-22550	7	31
119515-23000	7	22
119515-23600	7	37
119515-23610	7	35
119515-42020	9	13
	16	20
119515-42041	9	3
119515-42350	9	18
119515-51100	10	9
119515-53001	12	1
119515-53010	12	3
119515-61200	11	5
119515-61440	11	21
119515-61550	11	90
119516-22020	7	14
119516-22030	7	29
119516-61500	11	30
119540-42000	9	1
119540-59560	12	22
119540-59570	12	20
119600-11460	4	4
	16	15
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119717-42031	9	4
119717-42320	9	11
119717-51060	10	6
119717-51070	10	7
119717-51150	6	16
119717-51180	10	14
119717-51190	10	15
119717-51200	10	16
119717-51300	10	43
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119717-51420	10	51
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