

0CD11-M15500EN

P R E F A C E

1. This parts catalog is the 1st edition of 3TNV76-NTA for R&B ENGINEERING CO.,LTD.

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2. Model name

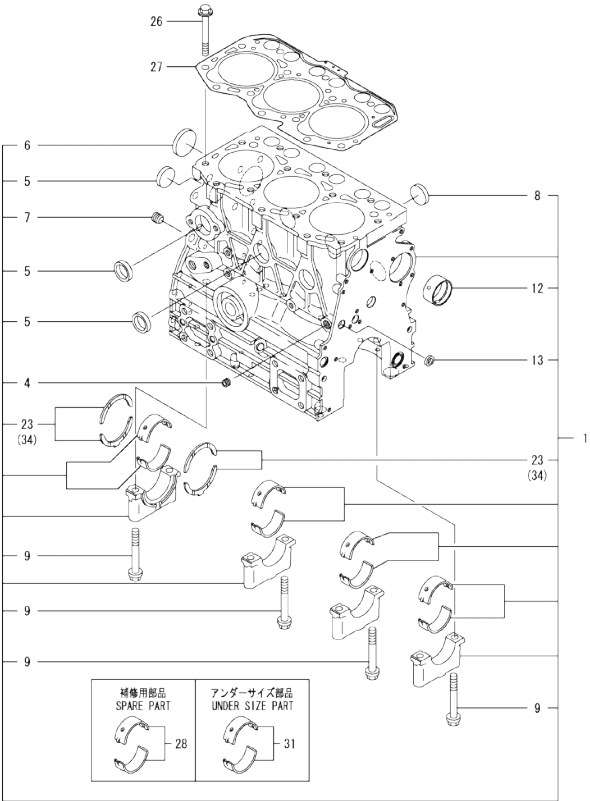
Engine model	Vehicle	Vehicle made by
3TNV76-NTA	CRAWLER CRANE	R&B ENGINEERING CO.,LTD.

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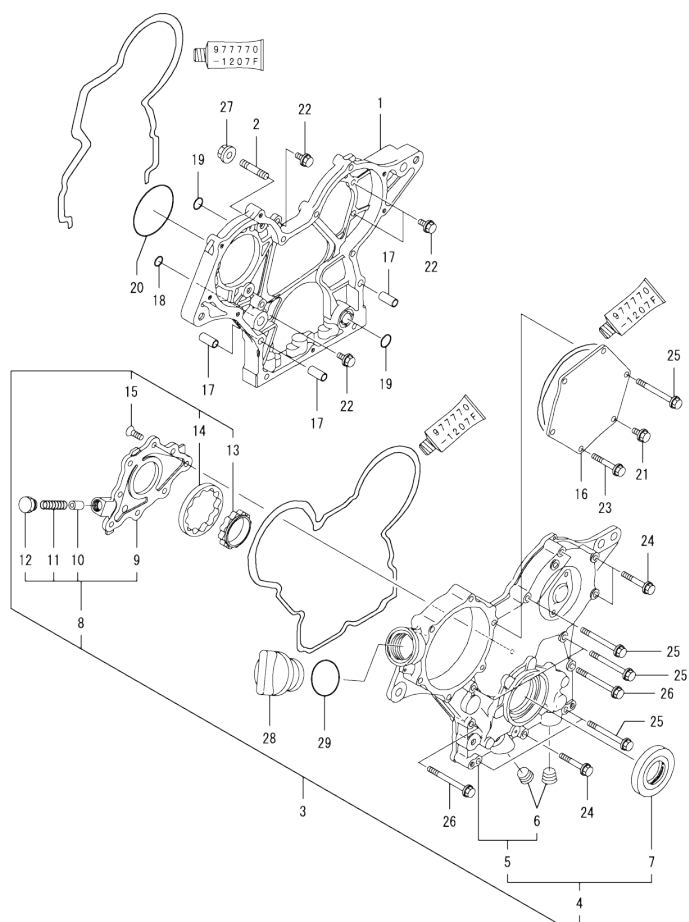
Fig.1. CYLINDER BLOCK



Remarks
(1)Spare 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	719717-01561	BLOCK ASSY, CYLINDER	1							
4	2	124060-01050	PLUG, PT1/8	1							
5	2	105311-01090	PLUG, 30	4							
6	2	119623-01250	PLUG, 45	1							
7	2	124160-01910	PLUG, PT1/4	1							
8	2	119285-01990	PLUG, 25	3							
9	2	119620-02020	BOLT, METAL CAP	8							
12	2	119717-02411	BUSH, CAMSHAFT	1							
13	2	27241-120000	PLUG, 12	1							
23	2	119717-02930	BEARING, THRUST	2							
26	1	119810-01200	BOLT, HEAD	14							
27	1	119717-01331	GASKET, HEAD	1							
28	1	719717-02901	BEARING, MAIN	4							1
31	1	719717-02911	BEARING, 0.25 US	4							2
34	1	119810-02941	BEARING, THRUST 0.25	2							3

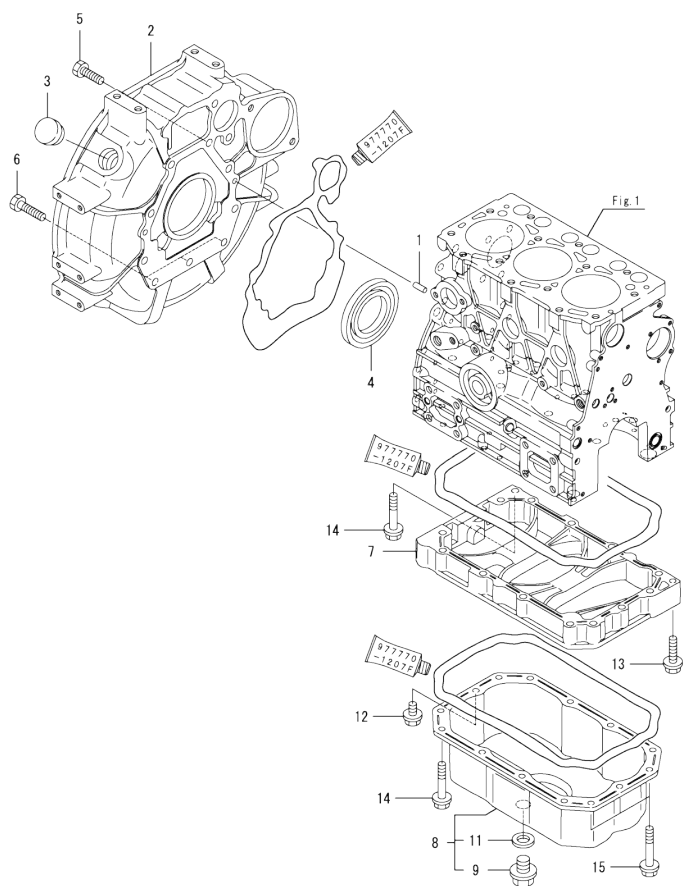
Fig.2. GEAR HOUSING



				(A)=3TNV76-NTA	(D)=						
				(B)=	(E)=						
				(C)=	(F)=						
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Qty (D)	(E)	(F)	I	R
1	1	119717-01501	CASE, GEAR	1							
2	1	119717-01570	STUD	3							
3	1	119734-01590	COVER ASSY,GEAR CASE	1							
4	2	719734-01500	COVER ASSY,GEAR CASE	1							
5	3	119717-01521	COVER, GEAR CASE	1							
6	4	23876-030000	PLUG, R03	2							
7	3	119717-01800	SEAL, OIL	1							
8	2	119717-32100	COVER ASSY	1							
9	3	119717-32080	COVER	1							
10	3	129900-32130	VALVE, RELIEF	1							
11	3	129001-32320	SPRING	1							
12	3	129001-32330	PLUG	1							
13	2	119717-32110	ROTOR, INNER	1							
14	2	119717-32120	ROTOR, OUTER	1							
15	2	119802-32130	SCREW, M6X16	8							
16	1	119717-01750	COVER	1							
17	1	119660-01911	PIPE, KNOCK	4							
18	1	119624-32040	O-RING, P12.0	1							
19	1	119717-32050	O-RING, P17.0	3							
20	1	121850-51960	O-RING	1							
21	1	26106-060122	BOLT, M6x 12 PLATED	1							
22	1	26106-060162	BOLT, M6X 16 PLATED	4							
23	1	26106-060402	BOLT, M6X 40 PLATED	4							
24	1	26106-060402	BOLT, M6X 40 PLATED	3							
25	1	26106-060602	BOLT, M6X 60 PLATED	7							
26	1	26106-060652	BOLT, M6X 65 PLATED	2							
27	1	26306-080002	NUT, M8	3							
28	1	124160-01751	COVER, FILLER	1							
29	1	24311-000320	O-RING, 1AP32.0	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.3. FLYWHEEL HOUSING & OIL SUMP

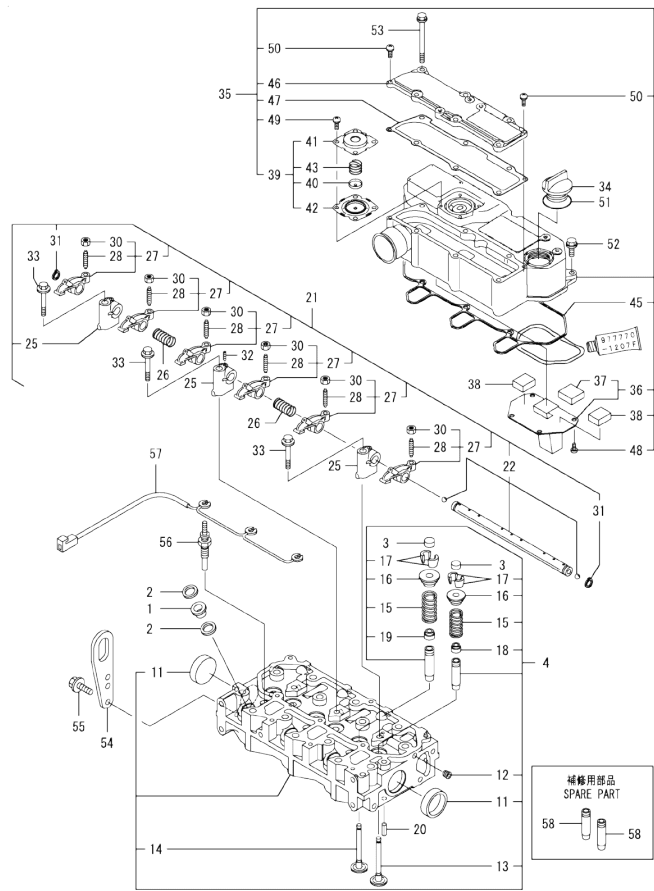


				(A)=3TNV76-NTA (B)= (C)=					(D)= (E)= (F)=				
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty (D)	(E)	(F)	I	R		
1	1	129100-01580	PIN, M8X16	2									
2	1	119717-01601	HOUSING, FLYWHEEL	1									
3	1	119620-01750	CAP	1									
4	1	124085-02220	SEAL, OIL	1									
5	1	26206-100252	BOLT, M10X 25 PLATED	8									
6	1	26206-100302	BOLT, M10X 30 PLATED	3									
7	1	119717-01720	SPACER, OIL SUMP	1									
8	1	119740-01770	SUMP ASSY, OIL	1									
9	2	105425-01690	PLUG, 16	1									
11	2	22190-160002	WASHER, SEAL 16	1									
12	1	26106-080122	BOLT, M8X 12 PLATED	1									
13	1	26106-080302	BOLT, M8X 30 PLATED	1									
14	1	26106-080452	BOLT, M8X 45 PLATED	11									
15	1	26106-080502	BOLT, M8X 50 PLATED	3									

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

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Fig.4. CYLINDER HEAD & BONNET

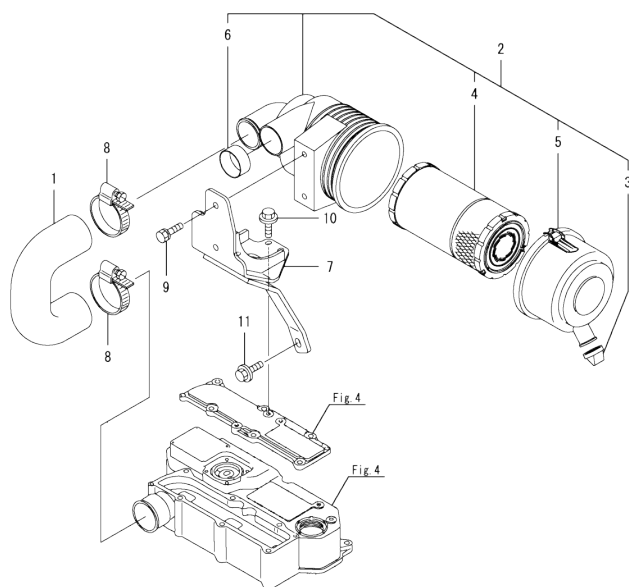


Remarks
(1)Spare part.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129901-11450	PROTECTOR, NOZZLE	3							
2	1	119600-11460	GASKET, NOZZLE	6							
3	1	105010-11490	CAP, VALVE	6							
4	1	119717-11740	HEAD ASSY, CYLINDER	1							
11	2	119285-11990	PLUG, 35	2							
12	2	23876-005000	PLUG, R005	1							
13	2	119717-11101	VALVE, INTAKE	3							
14	2	119717-11110	VALVE, EXHAUST	3							
15	2	119717-11131	SPRING, VALVE	6							
16	2	129508-11180	RETAINER, SPRING	6							
17	2	119717-11190	COTTER	12							
18	2	119717-11340	SEAL, VALVE STEM	3							
19	2	119717-11350	SEAL, VALVE STEM	3							
20	1	22351-060012	PIN, SPRING 6.0X12	2							
21	1	119717-11200	SUPPORT ASSY, ARM	1							
22	2	119717-11240	SHAFT ASSY, ROCKER	1							
25	2	119717-11260	SUPPORT, ROCKER ARM	3							
26	2	119620-11280	SPRING	2							
27	2	119717-11650	ARM, ROCKER	6							
28	3	129150-11230	SCREW, VALVE ADJUST	6							
30	3	129150-11750	NUT, M8	6							
31	2	22242-000120	RING, 12	2							
32	2	26979-050162	SCREW, M5X16	1							
33	1	26106-080402	BOLT, M8X 40 PLATED	3							
34	1	124160-01751	COVER, FILLER	1							
35	1	119717-11381	BONNET ASSY, HEAD	1							
36	2	119717-03031	PLATE	1							
37	3	119717-03070	BAFFLE, BREATHER	1							
38	2	119717-03070	BAFFLE, BREATHER	2							
39	2	119802-03100	DIAPHRAGM ASSY	1							
40	3	119802-03110	PLATE	1							
41	3	119802-03121	COVER, DIAPHRAGM	1							
42	3	119802-03131	DIAPHRAGM	1							
43	3	119802-03141	SPRING, DIAPHRAGM	1							
45	2	119718-11310	GASKET, BONNET	1							
46	2	119717-11320	COVER, BONNET	1							
47	2	119717-11331	GASKET	1							
48	2	22857-500100	SCREW, 5X10	4							
49	2	22857-500100	SCREW, 5X10	4							
50	2	22857-500160	SCREW, 5X16	2							
51	1	24311-000320	O-RING, 1AP32.0	1							
52	1	26106-060202	BOLT, M6X 20 PLATED	3							
53	1	26106-060752	BOLT, M6X 75 PLATED	6							
54	1	119226-07900	LIFTER	1							
55	1	26106-080162	BOLT, M8X 16 PLATED	2							
56	1	119717-77800	PLUG, GLOW	3							
57	1	119717-77820	CONNECTOR, GLOW PLUG	1							
58	1	119717-11800	GUIDE, VALVE	6							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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Fig.5. AIR CLEANER



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:Qty Change

Fig.6. EXHAUST MANIFOLD & SILENCER



				(A)=3TNV76-NTA (B)= (C)=	(D)= (E)= (F)=							
No.	Lev.	Parts No.	Description	Q'ty							I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	119717-13109	MANIFOLD, EXHAUST	1								
2	1	119717-13110	GASKET	1								
3	1	119717-13600	STUD, M8X50	2								
4	1	119802-13620	BOLT, M8X50	4								
5	1	119131-18320	STUD, M8X22	4								
6	1	26306-080002	NUT, M8	2								
7	1	119515-13200	GASKET, SILENCER	1								
8	1	119717-13550	SILENCER	1								
9	1	26106-080252	BOLT, M8X 25 PLATED	2								
10	1	26306-080002	NUT, M8	4								
11	1	119515-13200	GASKET, SILENCER	2								
12	1	119620-13550	BFND	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

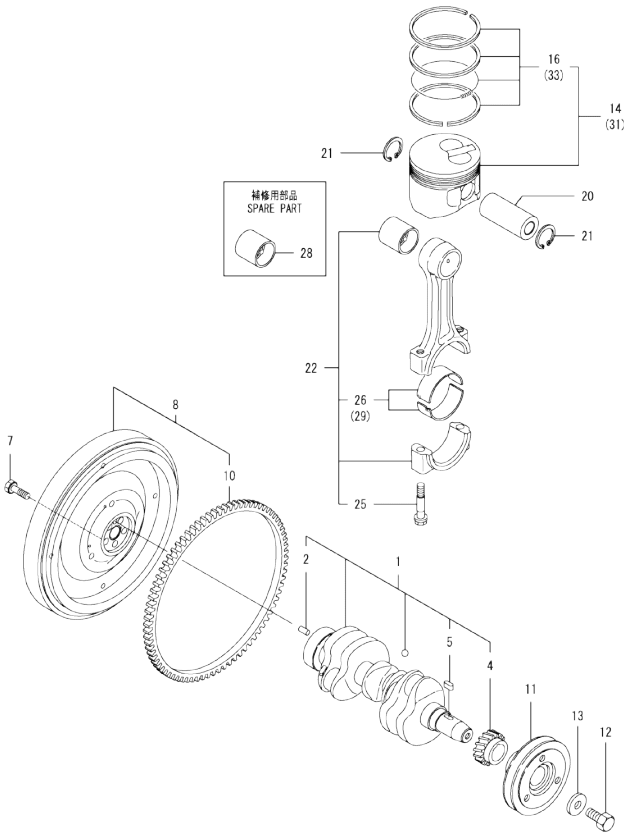
Fig.7. CAMSHAFT & DRIVING GEAR

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

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Fig.8. CRANKSHAFT & PISTON

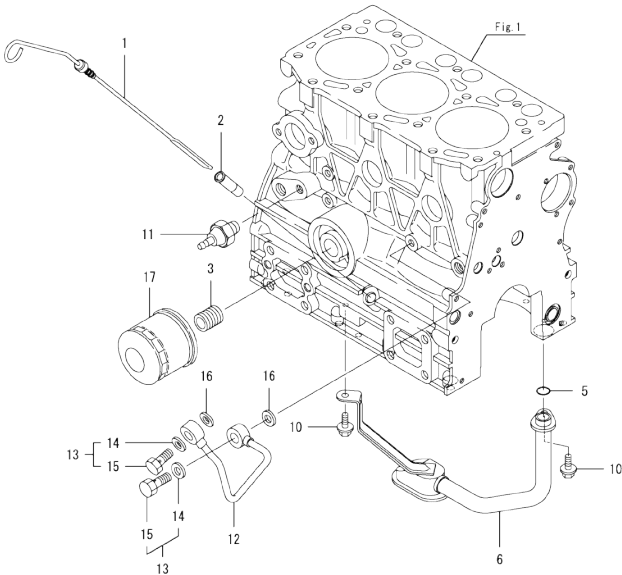


Remarks
(1)Spare part.
(2)Under-sized(U.S.=0.25)part.
(3)Over-sized(O.S.=0.25)part.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119717-21700	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	119717-21200	GEAR, CRANKSHAFT	1							
5	2	22512-040120	KEY, 4X 12	1							
7	1	119620-21500	BOLT, FLYWHEEL	5							
8	1	119740-21590	FLYWHEEL ASSY	1							
10	2	119865-21600	GEAR, RING	1							
11	1	119717-21650	V-PULLEY	1							
12	1	119621-21681	BOLT, FLANGE 12X1.25	1							
13	1	119620-21941	WASHER	1							
14	1	119717-22080	PISTON ASSY	3							
16	2	119717-22500	RING SET, PISTON	3							
20	1	119717-22300	PIN, PISTON	3							
21	1	22252-000220	RING, 22	6							
22	1	119717-23000	ROD ASSY, CONNECTING	3							
25	2	119717-23200	BOLT, CONNECTING ROD	6							
26	2	119717-23601	BEARING, CRANK PIN	3							
28	1	119717-23910	BEARING, PISTON PIN	3							1
29	1	119717-23611	METAL ASSY, 0.25	3							2
31	1	119717-22090	PISTON ASSY, 0.25 OS	3							3
33	2	119717-22550	RING SET, 0.25 OS	3							3

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Fig.9. LUB. OIL SYSTEM

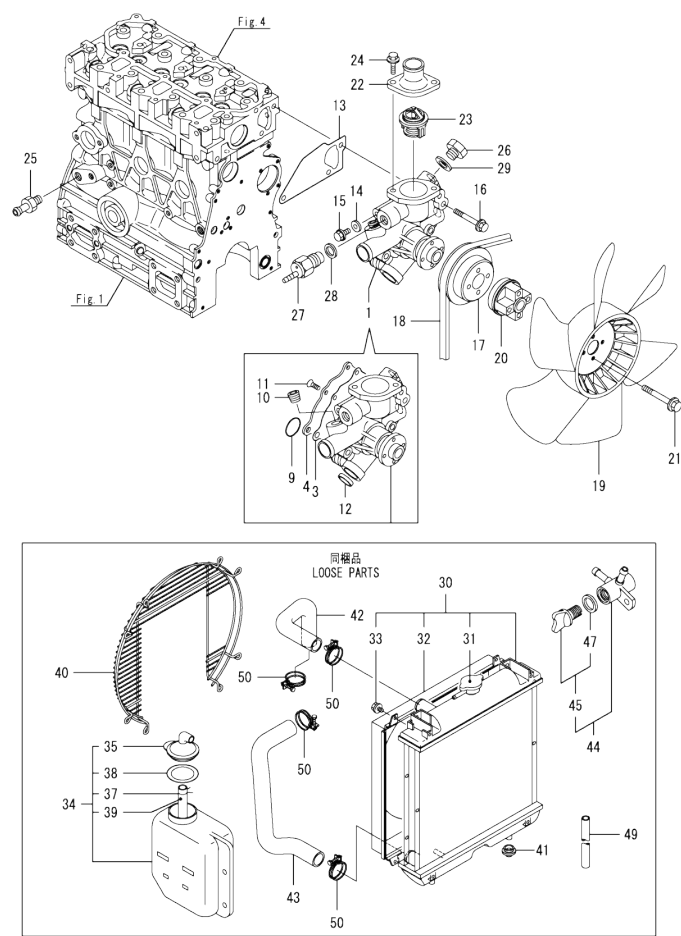


No.	Lev.	Parts No.	Description	(A)=3TNV76-NTA (B)= (C)=						Q'ty	I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	119740-34801	DIPSTICK, OIL	1								
2	1	121520-34810	GUIDE, DIPSTICK	1								
3	1	119717-35140	BOLT	1								
5	1	119717-32060	O-RING, P15.0	1								
6	1	119717-35080	PIPE ASSY, OIL INLET	1								
10	1	26106-060102	BOLT, M6X 10 PLATED	2								
11	1	114250-39450	SWITCH, 0.5KG	1								
12	1	119717-39210	PIPE, OIL	1								
13	1	129005-59830	BOLT ASSY, JOINT M8	2								
14	2	22190-080002	WASHER, SEAL 6	2								
15	2	23857-030000	BOLT, JOINT 3	2								
16	1	22190-080002	WASHER, SEAL 6	2								
17	1	119305-35151	FILTER ASSY, D68XL65	1								1

Remarks
(1)Spare 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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Fig.10. COOLING WATER SYSTEM

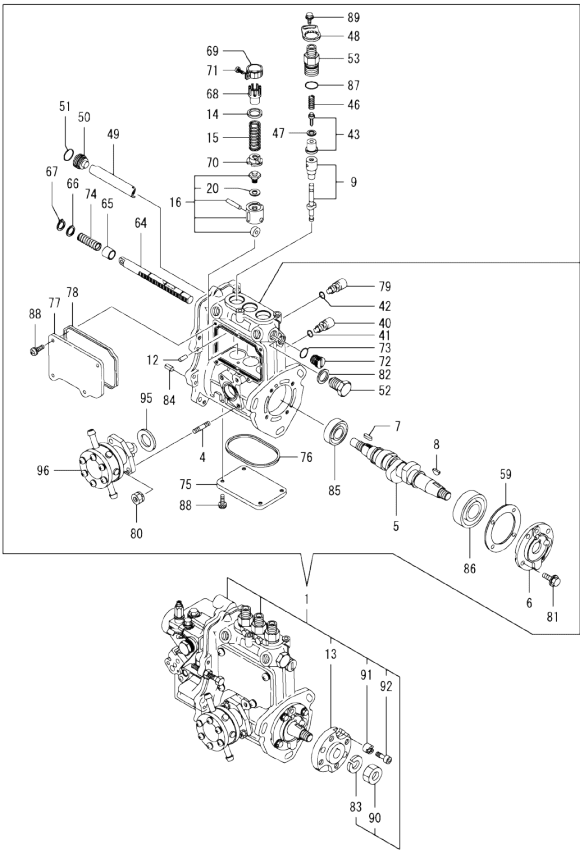


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119717-42002	PUMP ASSY, WATER	1							
1-1	1	119E10-42000	PUMP ASSY, WATER	1						N	
(A=E/ B6957)											
3	2	119717-42031	GASKET	1							
4	2	119717-42041	COVER	1							
9	2	119717-42320	O-RING, P26	1							
9-1	2	119C10-42320	O-RING, 2028	1						S	
(A=E/ B6957)											
10	2	129916-49740	PLUG, R03	1							
11	2	26577-060122	SCREW, M6X12	4							
12	2	27241-250000	PLUG, 25	1							
13	1	119717-42020	GASKET, WATER PUMP	1							
14	1	23414-080000	GASKET, 8X1.0	1							
15	1	26106-080122	BOLT, M8X 12 PLATED	1							
16	1	26106-080502	BOLT, M8X 50 PLATED	3							
17	1	119717-42350	V-PULLEY, D=100	1							
18	1	25132-003600	V-BELT, A36	1							
19	1	119831-44740	FAN, COOLING D322XUC	1							
20	1	129030-44760	SPACER, FAN L38.5	1							
21	1	26106-060502	BOLT, M6X 50 PLATED	4							
22	1	129350-49530	COVER, THERMOSTAT	1							
23	1	119717-49800	THERMOSTAT, 71	1							
24	1	26106-080202	BOLT, M8X 20 PLATED	2							
25	1	121550-49111	JOINT, PT1/4	1							
26	1	121450-42450	PLUG, M16	1							
27	1	121250-44901	SWITCH, 110	1							
28	1	124465-44950	GASKET, 16	1							
29	1	124465-44950	GASKET, 16	1							
30	1	129004-44500	RADIATOR ASSY	1							
31	2	129107-44590	CAP, RADIATOR	1							
32	2	119802-44600	SHROUD	1							
33	2	26014-060122	BOLT, M6X 12	4							
34	1	121468-44520	TANK ASSY, SUB	1							
35	2	121450-44531	CAP	1							
37	2	124450-44560	RETAINER	1							
38	2	121470-44581	GASKET	1							
39	2	23065-070130	PIPE, 7X 130	1							
40	1	119802-44570	GUARD	1							
41	1	119255-44660	ABSORBER	2							
42	1	119802-49010	PIPE, WATER	1							
43	1	119940-49020	PIPE, WATER	1							
44	1	129150-49100	COCK ASSY, 3-WAY	1							
45	2	129150-49080	COCK, DRAIN	1							
47	3	119629-49080	GASKET	1							
49	1	171351-49170	HOSE, DRAIN	1							
50	1	23010-035000	CLAMP, 35	4							

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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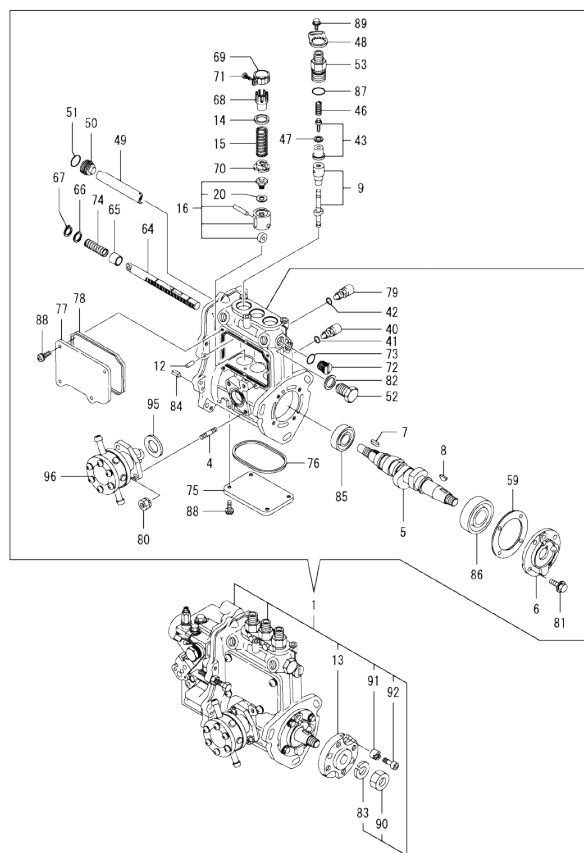
Fig.11. FUEL INJECTION PUMP



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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719740-51420	PUMP ASSY, INJECTION	1							1
4	2	129155-51020	STUD		2						
5	2	119717-51030	CAMSHAFT	1							
6	2	119717-51060	SUPPORT, CAMSHAFT	1							
7	2	119717-51070	KEY	1							
8	2	122710-51090	KEY	1							
9	2	119740-51100	PLUNGER ASSY	3							
12	2	129155-51140	PIN	3							
13	2	119717-51150	FLANGE	1							
14	2	158600-51170	RETAINER, SPRING	3							
15	2	119717-51190	SPRING, PLUNGER	3							
16	2	119717-51200	TAPPET ASSY	3							
20	3	129155-51600	SHIM SET, ADJUSTING	3							
40	2	158600-51270	STOPPER, TAPPET	3							
41	2	129155-51280	O-RING, S6	3							
42	2	129155-51280	O-RING, S6	1							
43	2	119717-51300	VALVE ASSY, DELIVERY	3							
46	2	119717-51330	SPRING, DELIVERY	3							
47	2	124550-51350	GASKET, DELIVERY	3							
48	2	119125-51370	HOLDER	3							
49	2	129155-51400	DEFLECTOR	1							
50	2	158600-51410	PLUG, DEFLECTOR	1							
51	2	119717-51420	O-RING	1							
52	2	158600-51420	PLUG, DEFLECTOR	1							
53	2	158600-51442	VALVE ASSY, DELIVERY	3							
59	2	129155-51450	SHIM SET, ADJUSTING	1							
64	2	119717-51500	RACK, CONTROL	1							
65	2	119025-51520	BUSH,RACK	1							
66	2	129155-51530	SPACER	1							
67	2	129155-51540	CIRCLIP	1							
68	2	129155-51550	PINION, CONTROL	3							
69	2	129100-51560	PINION	3							
70	2	119717-51570	RETAINER, SPRING	3							
71	2	129100-51570	SCREW	3							
72	2	158600-51570	PLUG	1							
73	2	129155-51580	O-RING	1							
74	2	129155-51591	SPRING, RACK	1							
75	2	129155-51701	COVER	1							
76	2	119717-51711	GASKET	1							
77	2	119717-51750	COVER	1							
78	2	119717-51761	GASKET	1							
79	2	158600-51790	STOOPER, RACK	1							
80	2	119717-51860	NUT, M6	2							
81	2	119125-51900	BOLT	4							
82	2	22190-160002	WASHER, SEAL 16	1							
83	2	22217-120000	WASHER, SPRING 12	1							
84	2	22351-050010	PIN, SPRING 5.0X10	2							
85	2	24101-060034	BEARING, BALL 6003	1							
86	2	24101-063034	BEARING, BALL 6303	1							
87	2	24316-000150	O-RING, 4DP15.0	3							
88	2	26022-050122	SCREW, M5X12	8							

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:Q'ty Change
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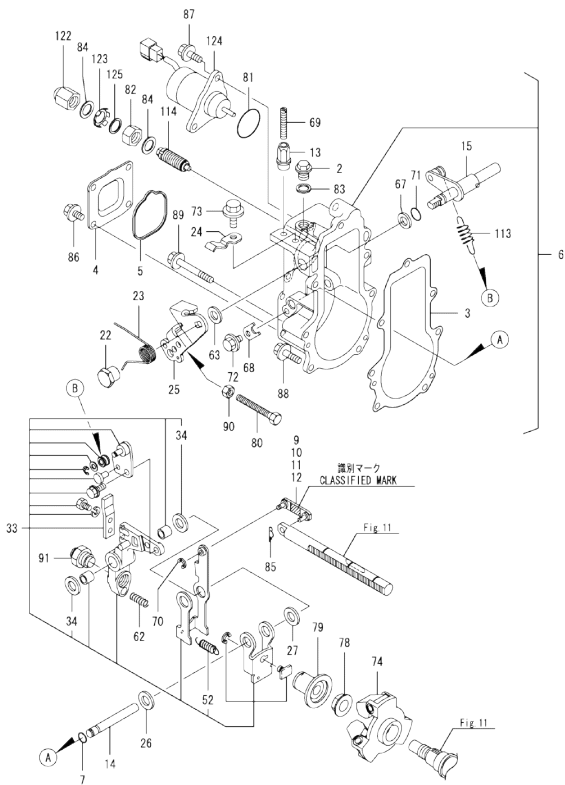
Remarks
(1)Governor(Fig.12)is incorporated in this Fuel Injection Pump (Ref.1).

				(A)=3TNV76-NTA (B)= (C)=	(D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
89	2	26106-050102	BOLT, M5X 10 PLATED	3							
90	2	26716-120002	NUT, M12	1							
91	2	119717-51480	COLLAR	1							
92	2	119717-51490	BOLT	1							
95	2	129155-52051	GASKET	1							
96	2	129100-52101	PUMP ASSY, FUEL FEED	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

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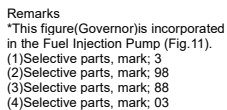
Fig.12. GOVERNOR



Remarks
*This figure(Governor)is incorporated
in the Fuel Injection Pump (Fig.11).
(1)Selective parts, mark: 3
(2)Selective parts, mark: 98
(3)Selective parts, mark: 88
(4)Selective parts, mark: 03

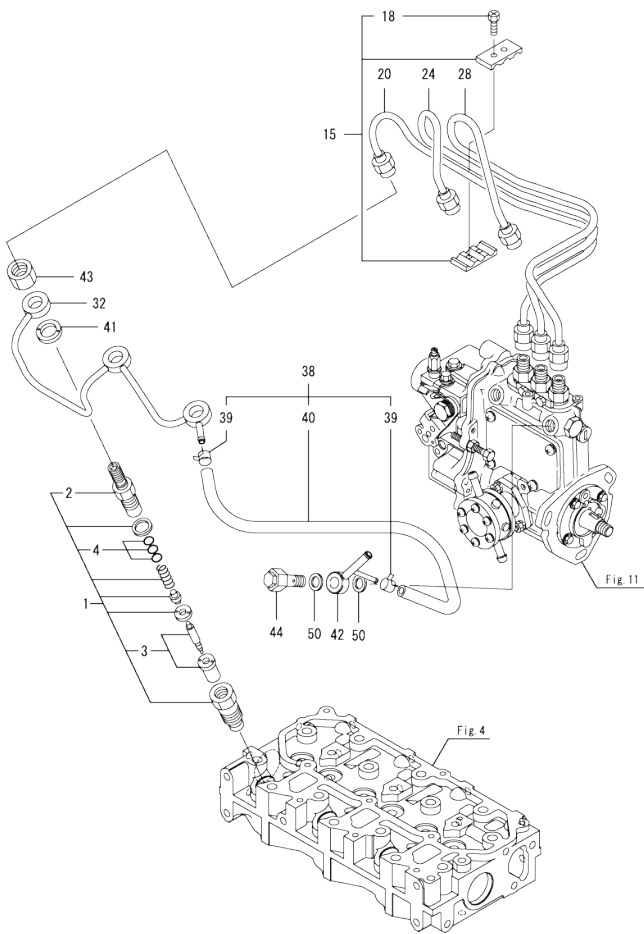
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	119717-51930	PLUG	1							
3	2	119717-61050	GASKET	1							
4	2	119717-61060	COVER, GOVERNOR CASE	1							
5	2	119717-61070	GASKET	1							
6	2	119744-61100	CASE ASSY, GOVERNOR	1							
7	3	129155-51280	O-RING, S6	1							
9	3	119717-61120	LINK, MARK :3	1							1
10	3	119717-61130	LINK, MARK 98	1							2
11	3	119717-61140	LINK, MARK 88	1							3
12	3	119717-61150	LINK, MARK 03	1							4
13	3	129209-61370	NUT, M6	1							
14	3	129052-61390	SHAFT	1							
15	3	119717-61400	SHAFT ASSY	1							
22	3	129255-61410	NUT, LOCK	1							
23	3	119534-61420	SPRING	1							
24	3	119534-61430	RETAINER	1							
25	3	119515-61440	LEVER, CONTROL	1							
26	3	129156-61460	SHIM, T=0.6	1							
27	3	129155-61480	SPACER ASSY	1							
33	3	119717-61500	LEVER ASSY, GOVERNOR	1							
34	4	174307-51700	SHIM SET	2							
52	4	129486-61540	SPRING, SET	1							
62	3	129100-61650	SPRING, CONTROLLER	1							
63	3	158552-61700	SHIM SET	1							
67	3	158552-61710	SHIM, T=1.0	1							
68	3	119660-61901	RETAINER, SHAFT	1							
69	3	121575-66830	SCREW	1							
70	3	22272-000030	RING, E- 3	1							
71	3	24341-000070	O-RING, 1AS7.0	1							
72	3	26106-060102	BOLT, M6X 10 PLATED	1							
73	3	26106-060102	BOLT, M6X 10 PLATED	1							
74	2	119717-61201	WEIGHT ASSY,GOVERNOR	1							
78	2	129008-61301	NUT	1							
79	2	129155-61341	SLEEVE	1							
80	2	129155-61460	BOLT, IDLE	1							
81	2	158552-61900	O-RING	1							
82	2	129209-61920	NUT, ARB	1							
83	2	22190-100002	WASHER, SEAL 10	1							
84	2	22190-120002	WASHER, SEAL 12	2							
85	2	22372-040000	PIN, SNAP 4	1							
86	2	26106-060102	BOLT, M6X 10 PLATED	4							
87	2	26106-060142	BOLT, M6X 14 PLATED	2							
88	2	26106-060202	BOLT, M6X 20 PLATED	4							
89	2	26106-060452	BOLT, M6X 45 PLATED	3							
90	2	26756-060002	NUT, LOCK M6	1							
91	2	119544-61550	ANGLEICH ASSY	1							
113	2	171353-61700	SPRING, GOVERNOR	1							
114	2	158601-61710	LIMITER ASSY, FUEL	1							
122	2	129209-61930	NUT, CAP	1							
123	2	129209-61970	PLATE	1							
124	2	119233-77932	SOLENOID, STOP	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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N:Old $\xrightarrow{\text{Yes}} \text{New. Q:Old}$ $\xrightarrow{\text{No}} \text{New. R:Old}$ $\xrightarrow{\text{Yes}} \text{New. S:Old}$ $\xrightarrow{\text{No}} \text{New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change}$
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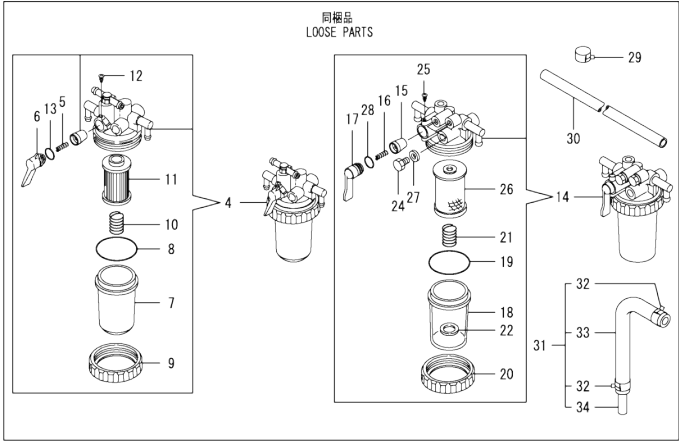
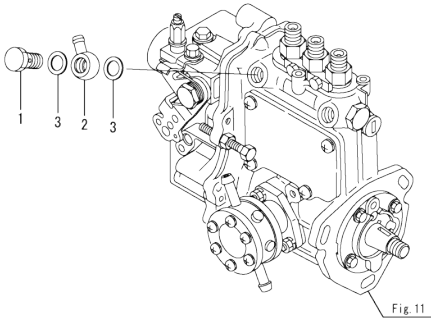
Fig.13. FUEL INJECTION VALVE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119717-53001	VALVE ASSY,INJECTION	3							
2	2	118200-53010	HOLDER, NOZZLE	3							
3	2	119717-53010	VALVE ASSY,INJECTION	3							
4	2	129901-53800	SHIM SET, ADJUSTING	3							
15	1	129150-59120	RETAINER, PIPE	1							
18	2	129150-59131	BOLT, M4X14	2							
20	1	119717-59810	PIPE ASSY, INJECTION	1							
24	1	119717-59820	PIPE ASSY, INJECTION	1							
28	1	119717-59830	PIPE ASSY, INJECTION	1							
32	1	119717-59510	PIPE ASSY, RETURN	1							
38	1	119744-59560	PIPE ASSY, RETURN	1							
39	2	124066-59100	CLIP, HOSE 8	2							
40	2	119744-59570	PIPE, FUEL RETURN	1							
41	1	129901-59560	GASKET	3							
42	1	119740-59590	JOINT, OVER FLOW	1							
43	1	119620-59700	NUT, NOZZLE	3							
44	1	119813-59950	VALVE ASSY, CHECK	1							
50	1	22190-120002	WASHER, SEAL 12	2							

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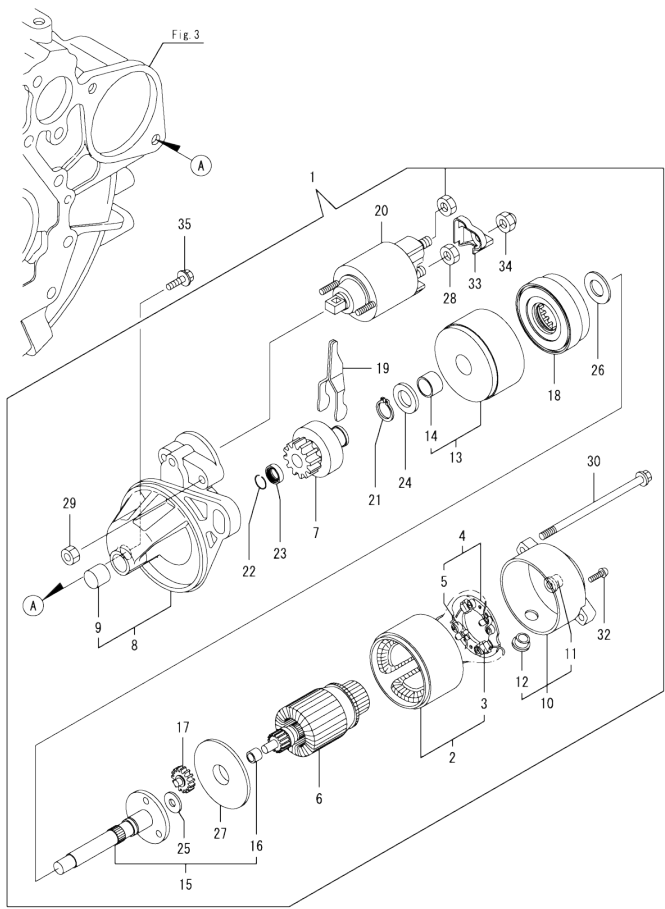
Fig.14. FUEL FILTER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	103854-39140	BOLT, PIPE JOINT	1							
2	1	101304-59020	JOINT, PIPE 12	1							
3	1	22190-120002	WASHER, SEAL 12	2							
4	1	119833-55620	FILTER ASSY, FUEL	1							
5	2	104200-55330	SPRING, VALVE	1							
6	2	119810-55340	LEVER	1							
7	2	121254-55510	COVER	1							
8	2	102103-55520	O-RING	1							
9	2	110250-55610	RING, RETAINING	1							
10	2	121250-55620	SPRING	1							
11	2	119810-55650	ELEMENT	1							
12	2	104200-55750	SCREW, M4	1							
13	2	24311-240100	O-RING, 1AP10A	1							
14	1	129335-55701	SEPARATOR ASSY, WATER	1							
15	2	104200-55321	VALVE, TAPER	1							
16	2	104200-55330	SPRING, VALVE	1							
17	2	104200-55341	HANDLE	1							
18	2	124064-55510	COVER	1							
19	2	102103-55520	O-RING	1							
20	2	110250-55610	RING, RETAINING	1							
21	2	121257-55720	SPRING	1							
22	2	121257-55731	FLOAT	1							
24	2	101720-55750	PLUG, 6	2							
25	2	104200-55750	SCREW, M4	1							
26	2	171081-55910	SCREEN	1							
27	2	23418-060000	GASKET, 6X1.0	2							
28	2	24311-240100	O-RING, 1AP10A	1							
29	1	124766-59050	CLIP, HOSE 12	19							
30	1	121525-59090	PIPE, FUEL D12X2500	1							
31	1	119840-59601	BEND	1							
32	2	124766-59050	CLIP, HOSE 12	2							
33	2	119840-59611	BEND	1							
34	2	119840-59621	JOINT	1							

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Fig.15. STARTING MOTOR

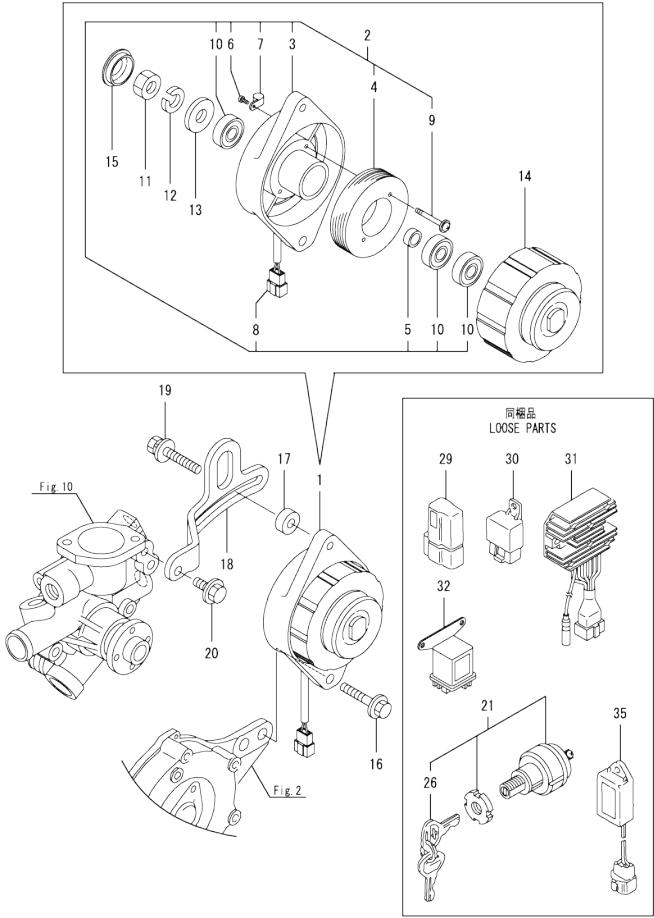


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119717-77010	STARTER, P1.1	1							
2	2	X0281007750	YOKE ASSY	1							
3	3	X0280996180	STARTER KIT	2							
4	2	X0285105190	HOLDER ASSY	1							
5	3	X0285205030	SPRING	4							
6	2	X0282005991	ARMATURE ASSY	1							
7	2	X0283006960	CLUTCH ASSY	1							
8	2	X4284001590	HOUSING ASSY	1							
9	3	X9491050100	BEARING, NEEDLE	1							
10	2	X0285007030	FRAME ASSY	1							
11	3	X9491040990	BEARING	1							
12	3	X0280626010	COVER	1							
13	2	X0284105040	BEARING ASSY	1							
14	3	X9491034330	BEARING	1							
15	2	X0286105010	SHAFT ASSY	1							
16	3	X9491034320	BEARING	1							
17	2	X0286305010	GEAR	3							
18	2	X0286355010	GEAR	1							
19	2	X0287405140	LEVER	1							
20	2	X0534007800	SWITCH ASSY	1							
21	2	X9055715000	RING	1							
22	2	X9490721360	RING	1							
23	2	X0280210331	NUT	1							
24	2	X9490138110	WASHER	1							
25	2	X9490138090	WASHER	1							
26	2	X9490138100	WASHER	1							
27	2	X0284525010	PLATE	1							
28	2	X9490562360	NUT	1							
29	2	X9490560750	NUT	2							
30	2	X9490423420	BOLT, THROUGH	2							
32	2	X9490065670	SCREW, M4X6	2							
33	2	X0280335350	COVER, TERMINAL	1							
34	2	X1289510130	NUT	1							
35	1	26106-100252	BOLT, M10X 25 PLATED	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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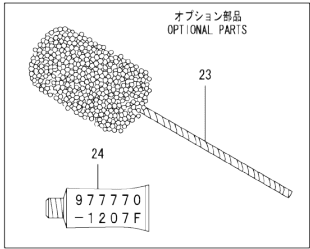
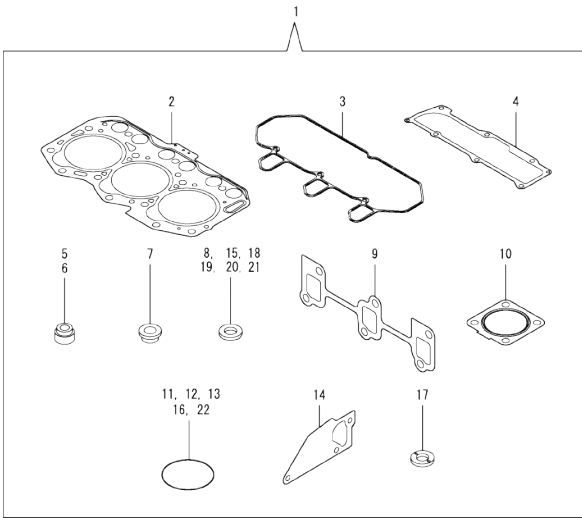
Fig.16. GENERATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119910-77200	DYNAMO ASSY	1							
2	2	X2A10592KA	PLATE ASSY	1							
3	3	X2A07075KB	PLATE, COIL	1							
4	3	X3A02982KC	STATOR ASSY	1							
5	3	X4A10092KA	COLLAR	1							
6	3	XYSPS400800	SCREW	1							
7	3	XM069000000	CLAMP	1							
8	3	XM771860000	COUPLER	1							
9	3	119259-77250	SCREW	2							
10	3	24104-062010	BEARING, 6201UUC3	3							
11	2	XM863720000	NUT	1							
12	2	XM219230000	WASHER	1							
13	2	XM860250000	WASHER	1							
14	2	X3A08863KA	FLYWHEEL ASSY	1							
15	2	XM771870000	CAP	1							
16	1	26106-100452	BOLT, M10X 45 PLATED	1							
17	1	119940-77270	SPACER, GENERATOR	1							
18	1	119540-77300	ADJUSTER	1							
19	1	129972-77341	BOLT, ADJUSTER L=50	1							
20	1	26106-080202	BOLT, M8X 20 PLATED	1							
21	1	194215-52110	SWITCH, STARTING	1							
26	2	194155-52160	KEY ASSY	1							
29	1	119643-66900	DIODE	1							
30	1	119247-77100	RELAY, SAFETY	1							
31	1	119653-77711	LIMITER, CURRENT	1							
32	1	119650-77911	RELAY ASSY, GLOW	1							
35	1	129211-77920	TIMER	1							

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Fig.17. GASKET SET



(A)=3TNV76-NTA
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119740-92600	GASKET SET	1							1
2	2	119717-01331	GASKET, HEAD	1							
3	2	119718-11310	GASKET, BONNET	1							
4	2	119717-11331	GASKET	1							
5	2	119717-11340	SEAL, VALVE STEM	3							
6	2	119717-11350	SEAL, VALVE STEM	3							
7	2	129901-11450	PROTECTOR, NOZZLE	3							
8	2	119600-11460	GASKET, NOZZLE	6							
9	2	119717-13110	GASKET	1							
10	2	119515-13200	GASKET, SILENCER	3							
11	2	119624-32040	O-RING, P12.0	1							
12	2	119717-32050	O-RING, P17.0	3							
13	2	119717-32060	O-RING, P15.0	1							
14	2	119717-42020	GASKET, WATER PUMP	1							
15	2	124465-44950	GASKET, 16	2							
16	2	121850-51960	O-RING	1							
17	2	129901-59560	GASKET	3							
18	2	22190-080002	WASHER, SEAL 6	4							
19	2	22190-120002	WASHER, SEAL 12	4							
20	2	22190-160002	WASHER, SEAL 16	1							
21	2	23414-080000	GASKET, 8X1.0	1							
22	2	24311-000320	O-RING, 1AP32.0	2							
23	1	129400-92420	HONE	1							1
24	1	977770-1207F	GASKET, LIQUID	1							1

Remarks
(1)Optional parts.

N:Old $\xrightarrow{\text{YES}}_{\text{NO}}$ New, Q:Old $\xrightarrow{\text{YES}}_{\text{NO}}$ New, R:Old $\xrightarrow{\text{YES}}_{\text{NO}}$ New, S:Old $\xrightarrow{\text{YES}}_{\text{NO}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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102103-55520	14	8
		19
103854-39140	14	1
104200-55321	14	15
104200-55330	14	5
		16
104200-55341	14	17
104200-55750	14	12
		25
105010-11490	4	3
105027-12580	5	6
105311-01090	1	5
105425-01690	3	9
110250-55610	14	9
		20
114250-39450	9	11
118200-53010	13	2
119025-51520	11	65
119125-51370	11	48
119125-51900	11	81
119131-18320	6	5
119226-07900	4	54
119233-77932	12	124
119247-77100	16	30
119255-44660	10	41
119259-77250	16	9
119285-01990	1	8
119285-11990	4	11
119305-35151	9	17
119336-12570	5	5
119515-12501	5	2
119515-13200	6	7
		11
	17	10
119515-61440	12	25
119534-61420	12	23
119534-61430	12	24
119540-77300	16	18
119544-61550	12	91
119600-11460	4	2
	17	8
119620-01750	3	3
119620-02020	1	9
119620-11280	4	26
119620-13550	6	12
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119621-21681	8	12
119623-01250	1	6
119624-32040	2	18
	17	11
119629-49080	10	47
119632-12211	5	12
119643-66900	16	29
119650-77911	16	32
119653-77711	16	31
119655-12560	5	4
119660-01911	2	17
119660-61901	12	68
119717-01331	1	27
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119717-01501	2	1
119717-01521	2	5
119717-01570	2	2
119717-01601	3	2
119717-01720	3	7
119717-01750	2	16
119717-01800	2	7
119717-02411	1	12
119717-02930	1	23
119717-03031	4	36
119717-03070	4	37
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119717-11101	4	13
119717-11110	4	14
119717-11131	4	15
119717-11190	4	17
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119717-11260	4	25
119717-11320	4	46
119717-11331	4	47
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119717-11340	4	18
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119717-11350	4	19
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119717-11381	4	35
119717-11650	4	27
119717-11740	4	4
119717-11800	4	58
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119717-13110	6	2
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119717-13550	6	8
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119717-14581	7	3
119717-21200	8	4
119717-21650	8	11
119717-21700	8	1
119717-22080	8	14
119717-22090	8	31
119717-22300	8	20
119717-22500	8	16
119717-22550	8	33
119717-23000	8	22
119717-23200	8	25
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119717-32080	2	9
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119717-42031	10	3
119717-42041	10	4
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119717-42350	10	17
119717-49800	10	23
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119717-51190	11	15
119717-51200	11	16
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119717-51711	11	76
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119717-51761	11	78
119717-51860	11	80
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