

0CD10-M85301EN

P R E F A C E

This parts catalog is the 2nd edition of 2TNV70-PIK, 2TNV70-PIKX for KATO WORKS CO.,LTD.

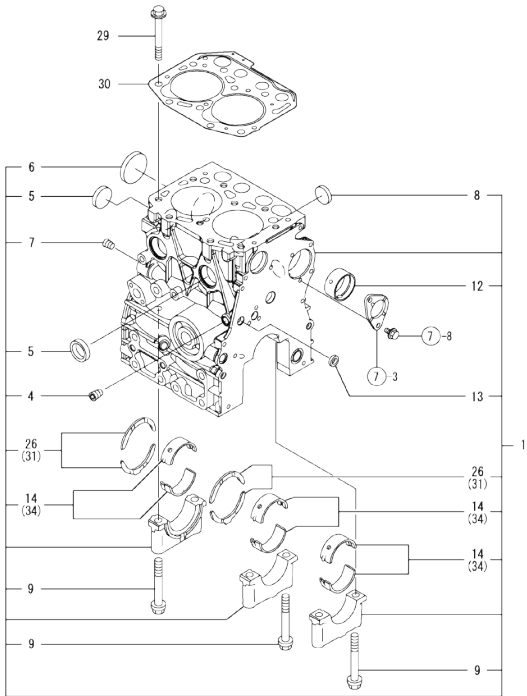
Published : November, 2006

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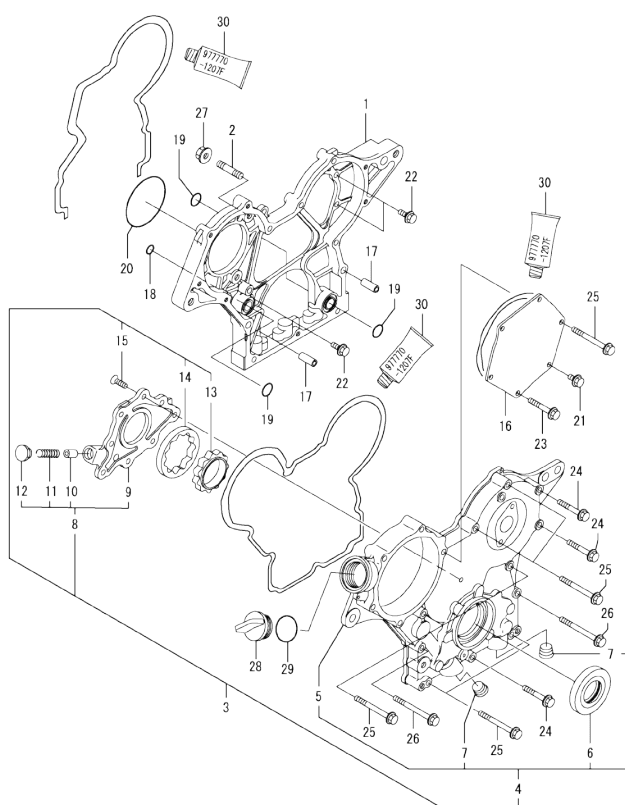
OCD10-M85301 2TNV70-PIK/PIKX
Fig.1. CYLINDER BLOCK



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

OCD10-M85301 Fig.1
(A)=2TNV70-PIK
(B)=2TNV70-PIKX
(C)=
(D)=
(E)=
(F)=
Q'ty
I R

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	719415-01560	BLOCK ASSY, CYLINDER	1	1						
4	2	124060-01050	PLUG, PT1/8	1	1						
5	2	105311-01090	PLUG, CUP TYPE 30	3	3						
6	2	119623-01250	PLUG, DISH TYPE 45	1	1						
7	2	124160-01910	PLUG, PT1/4	1	1						
8	2	119285-01990	PLUG, CUP TYPE 25	2	2						
9	2	119620-02020	BOLT, METAL CAP	6	6						
12	2	119717-02410	BUSH, CAMSHAFT	1	1						
12-1	2	119717-02411	BUSH, CAMSHAFT	1	1					N	
(A=E22662) (B=E22662)											
13	2	27241-120000	PLUG, 12	1	1						
14	2	719717-02900	BEARING ASSY, MAIN	3	3						1
14-1	2	719717-02901	BEARING ASSY, MAIN	3	3					N	1
(A=E22662) (B=E22662)											
26	2	119717-02930	BEARING ASSY, THRUST	2	2						
29	1	119515-01200	BOLT, CYLINDER HEAD	10	10						
30	1	119415-01330	GASKET, HEAD	1	1						
31	1	119810-02940	BEARING, THRUST 0.25	2	2						2
31-1	1	119810-02941	BEARING, THRUST 0.25	2	2					N	2
(A=E22662) (B=E22662)											
34	1	719717-02910	BEARING ASSY, MAIN	3	3						3
34-1	1	719717-02911	BEARING ASSY, MAIN	3	3					N	3
(A=E22662) (B=E22662)											



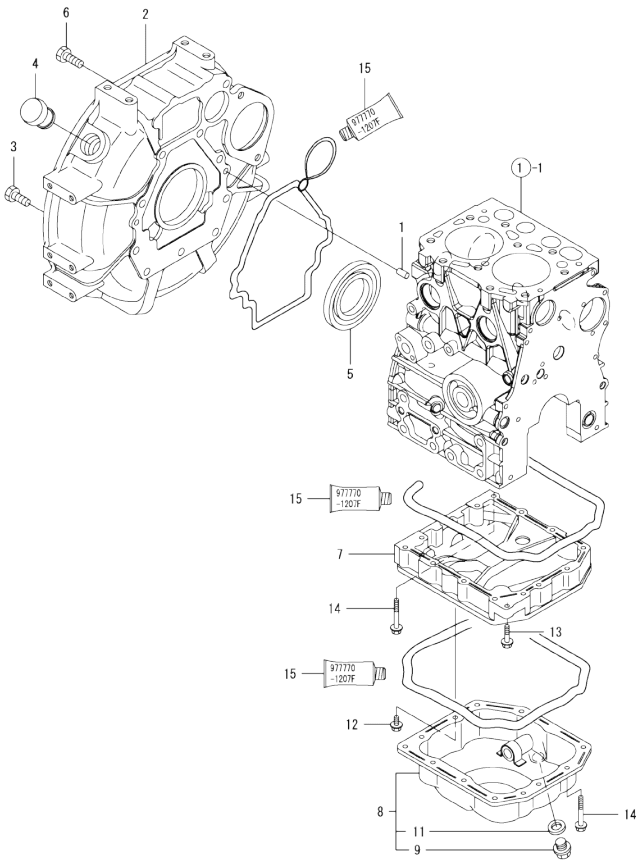
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119717-01501	CASE, GEAR	1	1						
2	1	119717-01570	BOLT, STUD	3	3						
3	1	119717-01590	COVER ASSY,GEAR CASE	1	1						
4	2	719717-01500	COVER ASSY,GEAR CASE	1	1						
5	3	119717-01521	COVER, GEAR CASE	1	1						
6	3	119620-01800	SEAL, OIL	1	1						
7	3	23876-030000	PLUG, R03	2	2						
8	2	119717-32100	COVER ASSY	1	1						
9	3	119717-32080	COVER, PUMP	1	1						
10	3	129900-32130	VALVE, RELIEF	1	1						
11	3	129001-32320	SPRING	1	1						
12	3	129001-32330	PLUG	1	1						
13	2	119717-32110	ROTOR, INNER	1	1						
14	2	119717-32120	ROTOR, OUTER	1	1						
15	2	119802-32130	SCREW, M6X16	8	8						
16	1	119717-01750	COVER, PUMP	1	1						
17	1	119660-01911	PIPE, DOWEL 6X17	4	4						
18	1	119624-32040	O-RING, P12.0	1	1						
19	1	119717-32050	O-RING, P17.0	3	3						
20	1	121850-51960	O-RING	1	1						
21	1	26106-060122	BOLT, M6X 12 PLATED	1	1						
22	1	26106-060162	BOLT, M6X 16 PLATED	4	4						
23	1	26106-060402	BOLT, M6X 40 PLATED	4	4						
24	1	26106-060402	BOLT, M6X 40 PLATED	3	3						
25	1	26106-060602	BOLT, M6X 60 PLATED	7	7						
26	1	26106-060652	BOLT, M6X 65 PLATED	2	2						
27	1	26306-080002	NUT, M8	3	3						
28	1	124160-01751	CAP, FILLER	1	1						
29	1	24311-000320	O-RING, 1AP32.0	1	1						
30	1	977770-1207F	GASKET,LIQUID	1	1						

(1) OPTIONAL PART.

N:Old ^{Yes}/_{No} New. Q:Old ^{No}/_{Yes} New. R:Old ^{Yes}/_{Yes} New. S:Old ^{No}/_{No} New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

OCD10-M85301 2TNV70-PIK/PIKX

Fig.3. FLYWHEEL HOUSING & OIL SUMP



Remarks
(1) OPTIONAL PART.

OCD10-M85301 Fig.3

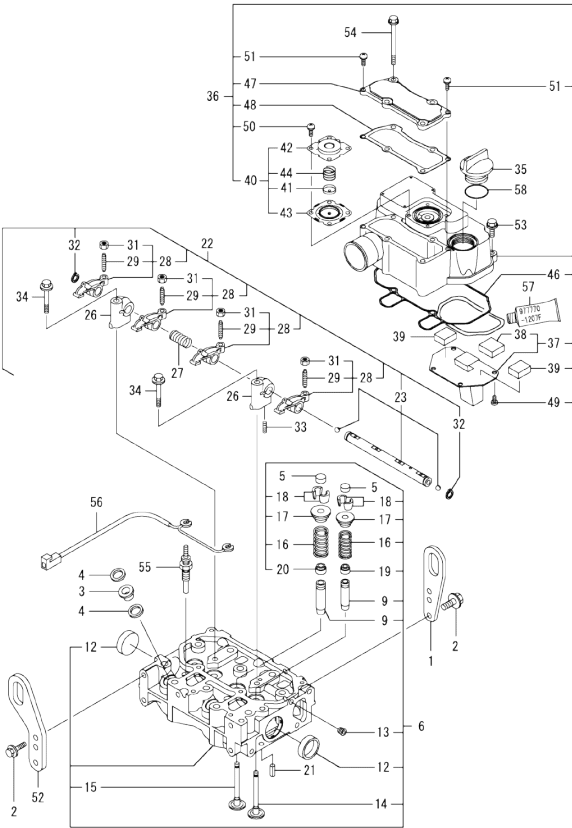
(A)=2TNV70-PIK
(B)=2TNV70-PIKX
(C)=

(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						
2	1	119515-01601	HOUSING, FLYWHEEL	1	1						
3	1	121120-01620	BOLT, M10X28	3	3						
4	1	119620-01750	CAP	1	1						
5	1	124085-02220	SEAL, OIL	1	1						
6	1	26206-100252	BOLT, M10X 25 PLATED	7	7						
7	1	119415-01720	SPACER, OIL-PAN	1	1						
8	1	119440-01780	OIL PAN ASSY	1	1						
9	2	105425-01690	PLUG, M16	1	1						
11	2	22190-160002	WASHER, SEAL 16	1	1						
12	1	26106-060122	BOLT, M6X 12 PLATED	1	1						
13	1	26106-060252	BOLT, M6X 25 PLATED	1	1						
14	1	26106-060452	BOLT, M6X 45 PLATED	13	13						
15	1	977770-1207F	GASKET,LIQUID	1	1						1

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.4. CYLINDER HEAD & BONNET



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

(A)=2TNV70-PIK
(B)=2TNV70-PIKX
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119226-07900	LIFTER, ENGINE	1	1						
2	1	26106-080142	BOLT, M8X 14 PLATED	4	4						
3	1	129901-11450	PROTECTOR, NOZZLE	2	2						
4	1	119600-11460	GASKET, NOZZLE	4	4						
5	1	105010-11490	CAP, VALVE	4	4						
6	1	119415-11740	HEAD ASSY, CYLINDER	1	1						
9	2	119515-11800	GUIDE, VALVE	4	4						1
12	2	119285-11990	PLUG, CUP TYPE 35	2	2						
13	2	23876-005000	PLUG, R005	1	1						
14	2	119515-11100	VALVE, SUCTION	2	2						
14-1	2	119515-11101	VALVE, SUCTION	2	2						R
(A=E27947) (B=E27947)											
15	2	119515-11110	VALVE, EXHAUST	2	2						
16	2	119717-11131	SPRING, VALVE	4	4						
17	2	129508-11180	RETAINER, SPRING	4	4						
18	2	119717-11190	COTTER, VALVE	8	8						
19	2	119717-11340	SEAL, VALVE STEM	2	2						
20	2	119717-11350	SEAL, VALVE STEM	2	2						
21	1	22351-060012	PIN, SPRING 6.0X12	2	2						
22	1	119415-11200	SUPPORT ASSY, ROCKER	1	1						
23	2	119415-11240	SHAFT ASSY, ROCKER	1	1						
26	2	119717-11260	SUPPORT, ROCKER ARM	2	2						
27	2	119515-11280	SPRING, ROCKER	1	1						
28	2	119717-11650	ARM ASSY, ROCKER	4	4						
29	3	129150-11230	SCREW, VALVE ADJUST	4	4						
31	3	129150-11750	NUT, M8	4	4						
32	2	22242-000120	RING, 12	2	2						
33	2	26979-050162	SCREW, M5X16	1	1						
34	1	26106-080402	BOLT, M8X 40 PLATED	2	2						
35	1	124160-01751	CAP, FILLER	1	1						
36	1	119415-11380	BONNET ASSY, HEAD	1	1						
37	2	119717-03031	PLATE, BAFFLE	1	1						
38	3	119717-03070	BAFFLE, BREATHER	1	1						
39	2	119717-03070	BAFFLE, BREATHER	2	2						
40	2	119802-03100	DIAPHRAGM ASSY	1	1						
41	3	119802-03110	PLATE, DIAPHRAGM	1	1						
42	3	119802-03121	COVER, DIAPHRAGM	1	1						
43	3	119802-03131	DIAPHRAGM	1	1						
44	3	119802-03141	SPRING, DIAPHRAGM	1	1						
46	2	119415-11310	GASKET, BONNET	1	1						
47	2	119415-11320	COVER, BONNET	1	1						
48	2	119415-11330	GASKET	1	1						
49	2	22857-500100	SCREW, 5X10	4	4						
50	2	22857-500100	SCREW, 5X10	4	4						
51	2	22857-500160	SCREW, 5X16	2	2						
52	1	129486-07901	LIFTER, ENGINE	1	1						
53	1	26106-060202	BOLT, M6X 20 PLATED	2	2						
54	1	26106-060752	BOLT, M6X 75 PLATED	4	4						
55	1	119717-77800	PLUG, GLOW	2	2						
56	1	119415-77820	CONNECTOR, GLOW PLUG	1	1						
57	1	977770-1207F	GASKET, LIQUID	1	1						2

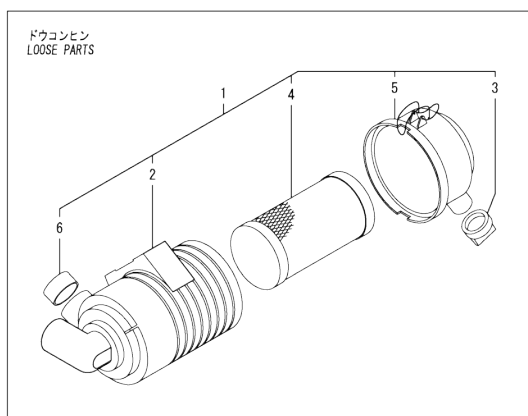
N:Old, N:New, Q:Old, Q:New, R:Old, R:New, S:Old, S:New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Fig.5. AIR CLEANER

(D)=
(E)=

(D)=
(E)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)
1	2	119326-12510	AIR CLEANER ASSY	1	1				
2	2	119326-12520	BODY, AIR CLEANER	1	1				
3	2	119808-12540	VALVE, UNLOAD	1	1				
4	2	119655-12560	ELEMENT	1	1				
5	2	119336-12570	COVER ASSY	1	1				
6	2	105027-12580	RING, VALVE	1	1				



N:Old ^{Yes}/_{No} New. Q:Old ^{No}/_{Yes} New. R:Old ^{Yes}/_{Yes} New. S:Old ^{No}/_{No} New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

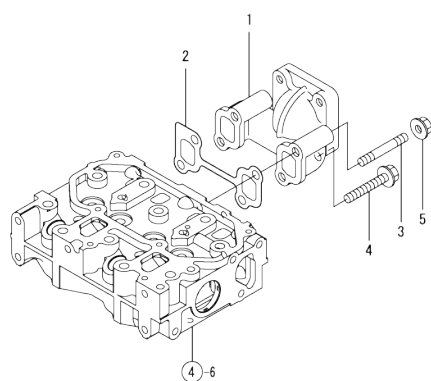
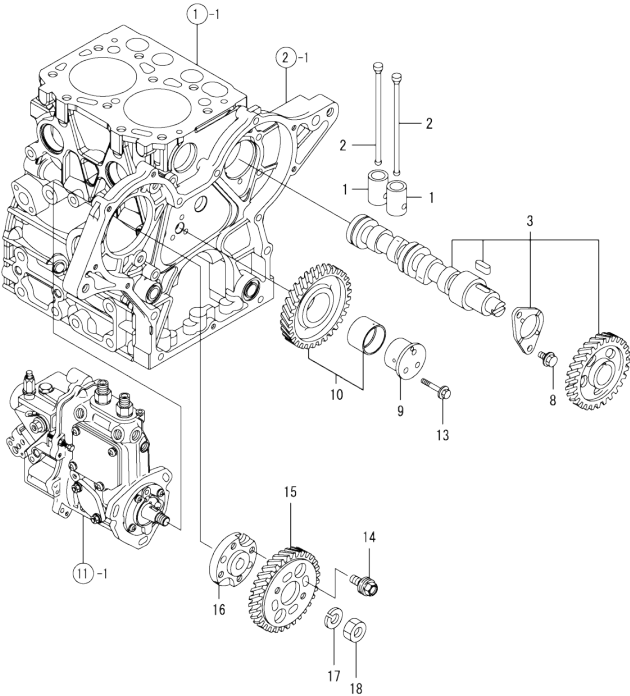
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Fig.7. CAMSHAFT & DRIVING GEAR

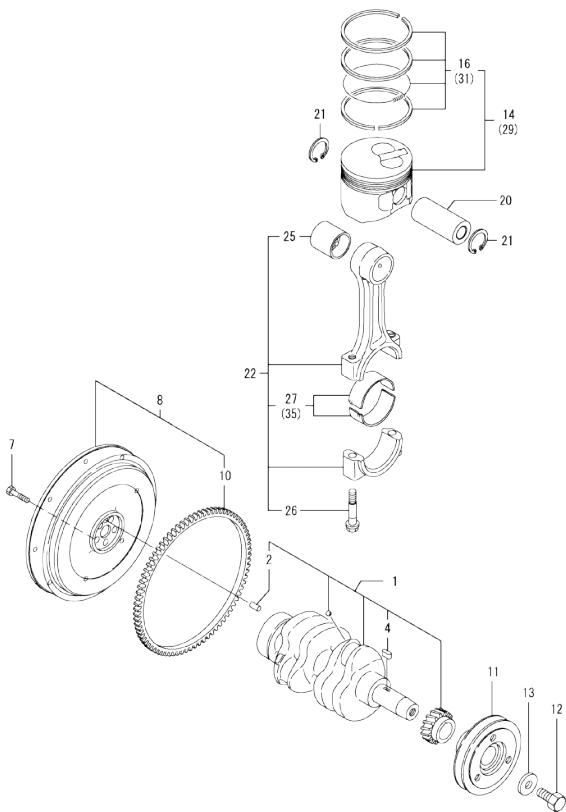


(A)=2TNV70-PIK
(B)=2TNV70-PIKX
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119620-14200	TAPPET	4	4						
2	1	119515-14400	PUSH-ROD	4	4						
3	1	119415-14580	CAMSHAFT ASSY	1	1						
3-1	1	119415-14581	CAMSHAFT ASSY	1	1						R
		(A=E20384) (B=E20384)									
8	1	26106-060122	BOLT, M6X 12 PLATED	2	2						
9	1	119717-25050	SHAFT, IDLE	1	1						
10	1	119717-25100	GEAR ASSY, IDLE	1	1						
10-1	1	119717-25101	GEAR ASSY, IDLE	1	1						N
		(A=E22662) (B=E22662)									
13	1	26106-060352	BOLT, M6X 35 PLATED	3	3						
14	1	129150-25301	BOLT	4	4						
15	1	119717-25930	GEAR, PUMP	1	1						
16	1	119717-51150	FLANGE	1	1						
17	1	22217-120000	WASHER, SPRING 12	1	1						
18	1	26716-120002	NUT, M12	1	1						

Fig.8. CRANKSHAFT & PISTON



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

(A)=2TNV70-PIK
(B)=2TNV70-PIKX
(C)=

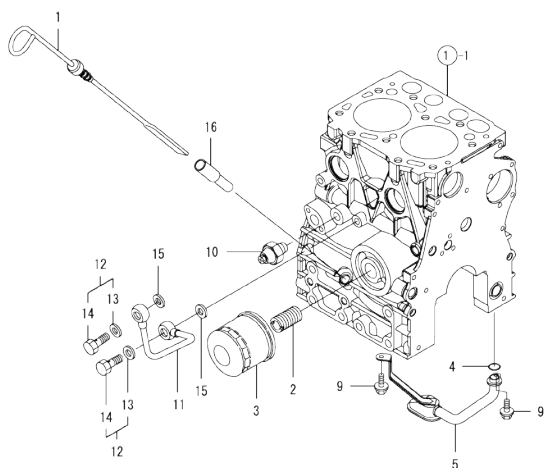
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119415-21700	CRANKSHAFT ASSY	1	1						
2	2	129100-01580	PIN, PARALLEL 8X16	1	1						
4	2	22512-040120	KEY, 4X 12	1	1						
7	1	119620-21500	BOLT, FLYWHEEL	5	5						
8	1	119515-21570	FLYWHEEL ASSY	1	1						
10	2	124950-21600	GEAR, RING	1	1						
11	1	119717-21650	V-PULLEY, CRANKSHAFT	1	1						
12	1	119621-21680	BOLT, FLANGE 12X1.25	1	1						
13	1	119620-21941	WASHER	1	1						
14	1	119515-22080	PISTON ASSY	2	2						
16	2	119515-22500	RING SET, PISTON	2	2						
20	1	119515-22300	PIN, PISTON	2	2						
21	1	22252-000220	RING, 22	4	4						
22	1	119515-23000	ROD ASSY, CONNECTING	2	2						
25	2	119717-23910	BEARING, PISTON PIN	2	2						1
26	2	119717-23200	BOLT, CONNECTING ROD	4	4						
27	2	119515-23600	BEARING, CRANK PIN	2	2						
27-1	2	119515-23601	BEARING, CRANK PIN	2	2						N
(A=E22662) (B=E22662)											
29	1	119515-22900	PISTON ASSY, 0.25 OS	2	2						3
31	2	119515-22550	RING SET, 0.25 OS	2	2						3
35	1	119515-23610	BEARING ASSY, 0.25	2	2						2
35-1	1	119515-23611	BEARING ASSY, 0.25	2	2						N 2
(A=E22662) (B=E22662)											

Fig.9. LUB.OIL SYSTEM

(D)=
(E)=

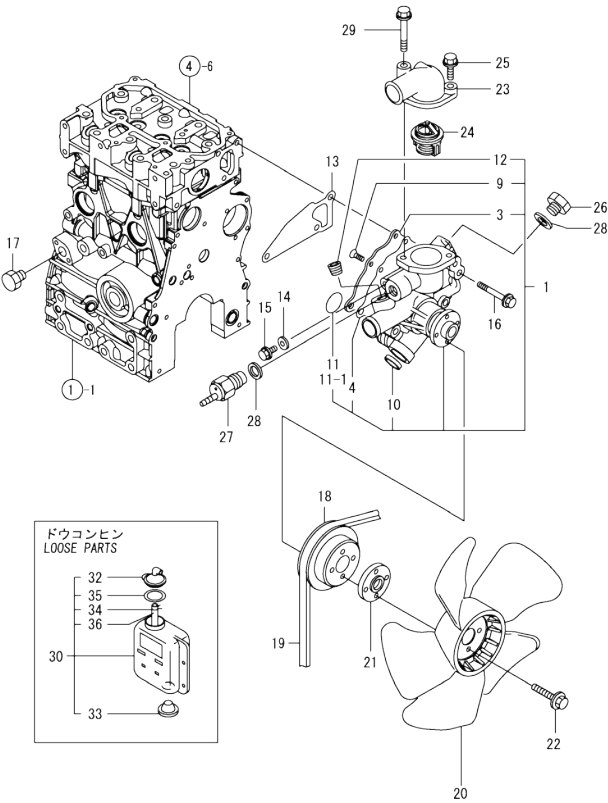
(D)=
(E)=
(F)=

This image shows a single page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. On the left side, there is a vertical margin line, creating a narrow left margin. The paper appears to be from a notebook or a standard writing template.

Remarks
(1) REPAIR PART.

N:Old ^{Yes}/_{No} New. Q:Old ^{No}/_{Yes} New. R:Old ^{Yes}/_{Yes} New. S:Old ^{No}/_{No} New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

Fig.10. COOLING WATER SYSTEM

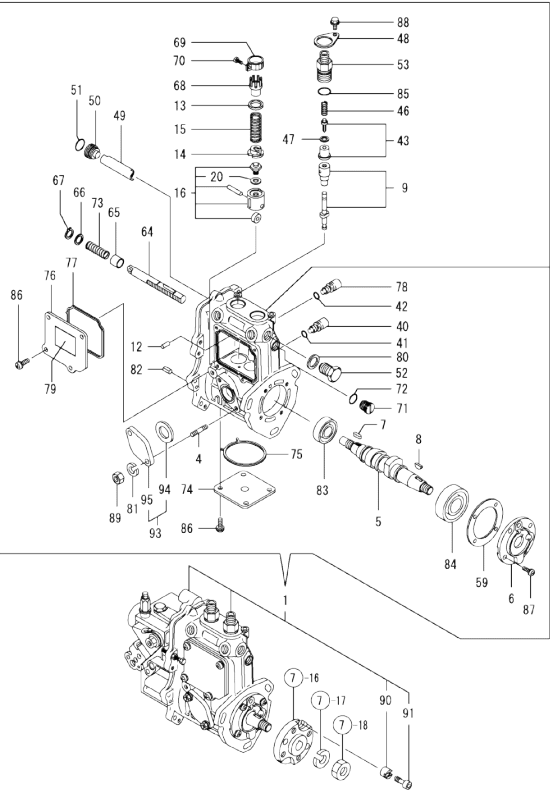


(A)=2TNV70-PIK
(B)=2TNV70-PIKX
(C)=

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

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	119C10-42000	PUMP ASSY, WATER	1	1					N	
(A=EC1998) (B=EC4545)											
1-2	1	119C10-42001	PUMP ASSY, CW	1	1					N	
(A=EE6631) (B=EE4932)											
3	2	119515-42041	COVER	1	1						
4	2	119717-42031	GASKET	1	1						
9	2	26577-060122	SCREW, M6X12	4	4						
10	2	27241-250000	PLUG, 25	1	1						
10-1	2	119717-42050	PLUG, 25	1	1					N	
(A=EE6631) (B=EE4932)											
11	2	119717-42320	O-RING, P26	1	1						
11-1	2	119C10-42320	O-RING, 2028	1	1					S	
(A=EC1998) (B=EC4545)											
12	2	129916-49740	PLUG, R3/8	1	1						
13	1	119515-42020	GASKET, WATER PUMP	1	1						
14	1	23414-080000	GASKET, 8X1.0	1	1						
15	1	26106-080122	BOLT, M8X 12 PLATED	1	1						
16	1	26106-080502	BOLT, M8X 50 PLATED	3	3						
17	1	171056-49120	PLUG, DRAIN R1/4	1	1						
18	1	119740-42350	V-PULLEY, D=90	1	1						
19	1	121522-42290	V-BELT, A34.5	1	1						
19-1	1	25152-003500	V-BELT, A35	1	1					S	
(A=E00321) (B=E00321)											
20	1	119540-44700	FAN, COOLING D=230	1	1						
21	1	124574-44761	SPACER, FAN	1	1						
22	1	26106-060202	BOLT, M6X 20 PLATED	4	4						
23	1	124101-49531	COVER, THERMOSTAT	1	1						
24	1	119717-49800	THERMOSTAT, 71C	1	1						
25	1	26106-080252	BOLT, M8X 25 PLATED	1	1						
26	1	121450-42450	PLUG, M16	1	1						
27	1	121250-44901	SWITCH, THERMO 110	1	1						
28	1	124465-44950	GASKET, 16	2	2						
29	1	26106-080652	BOLT, M8X 65 PLATED	1	1						
30	1	121468-44510	TANK ASSY, SUB	1	1						
32	2	121450-44531	CAP	1	1						
33	2	121468-44540	PLUG	1	1						
34	2	124450-44560	CLAMP, HOSE	1	1						
35	2	121470-44581	GASKET	1	1						
36	2	23065-070130	PIPE, 7X 130	1	1						

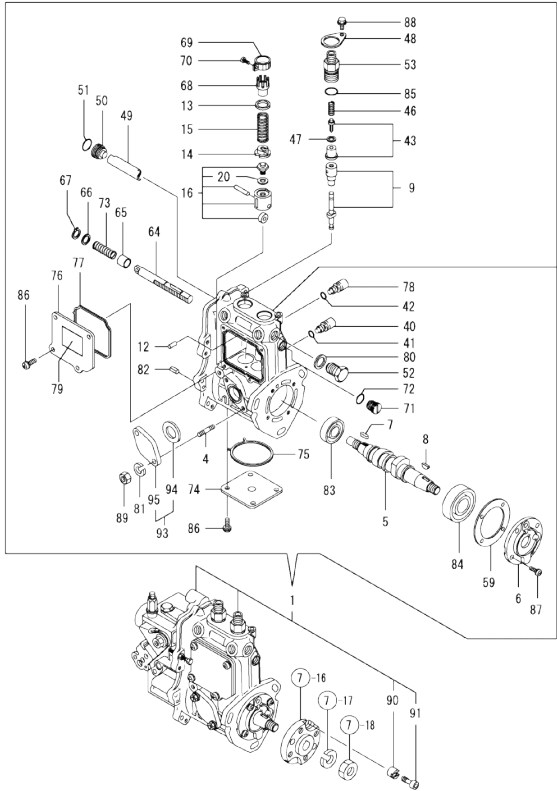
Fig.11. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY(FIG.12) 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	719440-51370	FIE ASSY	1	1						1
4	2	129155-51020	BOLT, STUD	2	2						
5	2	119415-51030	CAMSHAFT	1	1						
6	2	119717-51060	SUPPORT, CAMSHAFT	1	1						
7	2	119717-51070	FEATHER KEY,PARALLEL	1	1						
8	2	122710-51090	FEATHER KEY,WOODRUFF	1	1						
9	2	119515-51100	PLUNGER ASSY, FUEL	2	2						
12	2	129155-51140	PIN	2	2						
13	2	158600-51170	RETAINER, SPRING	2	2						
14	2	119717-51180	RETAINER, SPRING	2	2						
14-1	2	119717-51570	RETAINER, SPRING	2	2						R
(A=E15377) (B=E15377)											
15	2	119717-51190	SPRING, PLUNGER	2	2						
16	2	119717-51200	TAPPET ASSY	2	2						
20	3	129155-51600	SHIM SET, ADJUSTING	2	2						
40	2	158600-51270	STOPPER, TAPPET	2	2						
41	2	129155-51280	O-RING, S6	2	2						
42	2	129155-51280	O-RING, S6	1	1						
43	2	119717-51300	VALVE ASSY, DELIVERY	2	2						
46	2	119717-51330	SPRING, DELIVERY	2	2						
47	2	124550-51350	GASKET, DELIVERY	2	2						
48	2	118400-51370	PLATE, LOCKING	2	2						
49	2	119415-51400	PROTECTOR	1	1						
50	2	158600-51410	PLUG, DEFLECTOR	1	1						
51	2	119717-51420	O-RING	1	1						
52	2	158600-51420	PLUG, DEFLECTOR	1	1						
53	2	158600-51441	VALVE ASSY, DELIVERY	2	2						
53-1	2	158600-51442	VALVE ASSY, DELIVERY	2	2						N
(A=E09208) (B=E09208)											
59	2	129155-51450	SHIM SET, ADJUSTING	1	1						
64	2	119415-51500	RACK, CONTROL	1	1						
65	2	129155-51521	BUSH, RACK	1	1						
66	2	129155-51530	SPACER	1	1						
67	2	129155-51540	CIRCLIP	1	1						
68	2	129155-51550	PINION, CONTROL	2	2						
69	2	129100-51560	PINION	2	2						
70	2	129100-51570	SCREW, PINION	2	2						
71	2	158600-51570	PLUG, RACK	1	1						
72	2	129155-51580	O-RING	1	1						
73	2	129155-51591	SPRING, RACK	1	1						
74	2	119415-51700	COVER	1	1						
75	2	119415-51710	GASKET	1	1						
76	2	119415-51750	COVER	1	1						
77	2	119415-51760	GASKET	1	1						
78	2	158600-51790	STOPPER, RACK	1	1						
79	2	129156-51910	LABEL, CAUTION	1	1						Z
(A=E20384) (B=E20384)											
80	2	22190-160002	WASHER, SEAL 16	1	1						
81	2	22217-060000	WASHER, SPRING 6	2	2						
82	2	22351-050010	PIN, SPRING 5.0X10	2	2						
83	2	24101-060034	BEARING, BALL 6003	1	1						

Fig.11. FUEL INJECTION PUMP



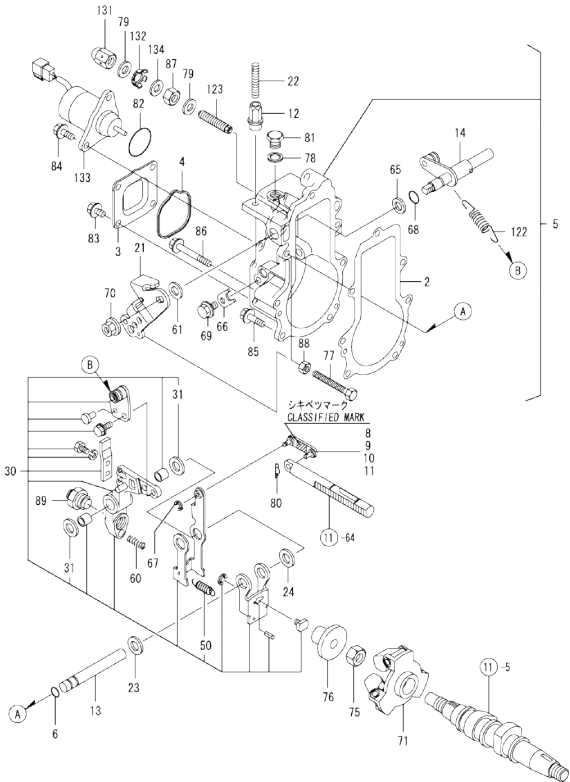
Remarks
(1) GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
84	2	24101-063034	BEARING, BALL 6303	1	1						
85	2	24316-000150	O-RING, 4DP15.0	2	2						
86	2	26022-050122	SCREW, M5X12	8	8						
87	2	26022-060162	SCREW, M6X16	4	4						
88	2	26106-050102	BOLT, M5X 10 PLATED	2	2						
89	2	26716-060002	NUT, M6	2	2						
90	2	119717-51480	COLLAR	1	1						
91	2	119717-51490	BOLT	1	1						
93	2	129255-52000	COVER ASSY	1	1						
94	3	129155-52051	GASKET	1	1						
95	3	129100-52200	COVER, PUMP	1	1						

Fig.12. GOVERNOR

(A)=2TNV70-PIK
(B)=2TNV70-PIKX
(C)=

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

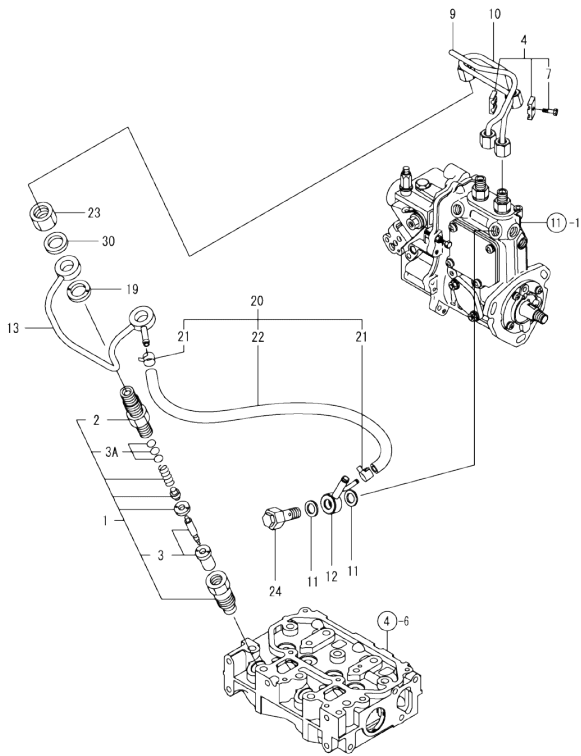


Remarks
(1) SELECTIVE PARTS:CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REF TO ILLUSTRATION).
* THIS FIGURE(GOVERNOR ASSY) IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY(FIG.11).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	119717-61050	GASKET	1	1						
3	2	119717-61060	COVER, GOVERNOR CASE	1	1						
4	2	119717-61070	GASKET	1	1						
5	2	119717-61100	CASE ASSY, GOVERNOR	1	1						
6	3	129155-51280	O-RING, S6	1	1						
8	3	119717-61120	LINK, MARK :3	1	1						1
9	3	119717-61130	LINK, MARK 98	1	1						1
10	3	119717-61140	LINK, MARK 88	1	1						1
11	3	119717-61150	LINK, MARK 03	1	1						1
12	3	129209-61370	NUT, ARB M6	1	1						
13	3	129052-61390	SHAFT, GOVERNOR LEVER	1	1						
14	3	119717-61400	SHAFT ASSY	1	1						
21	3	119515-61440	LEVER, CONTROL	1	1						
22	3	129155-61450	BOLT, LIMITING	1	1						
23	3	129156-61460	SHIM, T=0.6	1	1						
24	3	129155-61480	SHIM ASSY	1	1						
30	3	119717-61500	LEVER ASSY, GOVERNOR	1	1						
31	4	174307-51700	SHIM SET, PLUNGER	2	2						
50	4	129486-61540	SPRING, GOV.LEVER	1	1						
60	3	129100-61650	SPRING, FUEL LIMITER	1	1						
61	3	158552-61700	SHIM SET	1	1						
65	3	158552-61710	SHIM, T=1.0	1	1						
66	3	119660-61901	STOPPER, SHAFT	1	1						
67	3	22272-000030	RING, E- 3	1	1						
68	3	24341-000070	O-RING, 1AS7.0	1	1						
69	3	26106-060102	BOLT, M6X 10 PLATED	1	1						
70	3	26366-080002	NUT, M8	1	1						
71	2	119717-61200	WEIGHT ASSY, GOVERNOR	1	1						
75	2	119660-61300	NUT, M8	1	1						
76	2	129155-61341	SLEEVE	1	1						
77	2	129155-61460	BOLT, LIMITING	1	1						
78	2	22190-100002	WASHER, SEAL 10	1	1						
79	2	22190-120002	WASHER, SEAL 12	2	2						
80	2	22372-040000	PIN, SNAP 4	1	1						
81	3	23887-100002	PLUG, 10	1	1						
82	2	24341-000280	O-RING, 1AS28.0	1	1						
82-1	2	158552-61900	O-RING	1	1						N
(A)=EXXXXX (B)=EXXXXX											
83	2	26106-060102	BOLT, M6X 10 PLATED	4	4						
84	2	26106-060142	BOLT, M6X 14 PLATED	2	2						
85	2	26106-060202	BOLT, M6X 20 PLATED	4	4						
86	2	26106-060452	BOLT, M6X 45 PLATED	3	3						
87	2	26736-120002	NUT, M12	1	1						
88	2	26756-060002	NUT, LOCK M6	1	1						
89	2	119740-61560	ANGLEICH ASSY	1	1						
122	2	171353-61700	SPRING, GOVERNOR	1	1						
123	2	158601-61790	LIMITER ASSY, FUEL	1	1						
131	2	129209-61930	NUT, CAP	1	1						
132	2	129209-61970	PLATE	1	1						
133	2	119233-77932	SOLENOID, STOP	1	1						
134	2	23414-120016	GASKET, 12X1.0	1	1						

N:Old New, O:Old New, R:Old New, S:Old New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.13. FUEL INJECTION VALVE



(A)=2TNV70-PIK
(B)=2TNV70-PIKX
(C)=

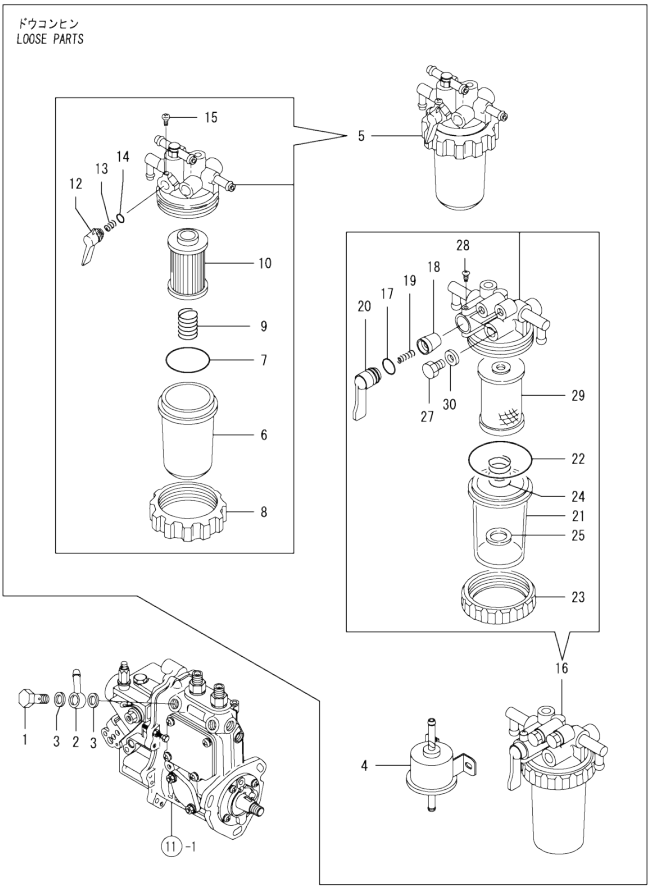
(D)=
(E)=
(F)=

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	118200-53010	HOLDER, NOZZLE	2	2						
3	2	119515-53010	NOZZLE ASSY, F.I.	2	2						
3A	2	129901-53800	SHIM SET, ADJUSTING	2	2					W	1
(A=FROM 1ST) (B=FROM 1ST)											
4	1	119305-59120	RETAINER, PIPE	1	1						
7	2	129150-59131	BOLT, M4X14	1	1						
9	1	119415-59810	PIPE ASSY, INJECTION	1	1						
10	1	119415-59820	PIPE ASSY, INJECTION	1	1						
11	1	22190-120002	WASHER, SEAL 12	2	2						
12	1	119840-59570	JOINT	1	1						
13	1	119415-59540	PIPE ASSY, RETURN	1	1						
19	1	129901-59560	GASKET	2	2						
20	1	119540-59570	HOSE ASSY, RETURN	1	1						
21	2	124066-59100	CLAMP, HOSE 8	2	2						
22	2	119540-59560	HOSE ASSY, RETURN	1	1						
23	1	119620-59700	NUT, NOZZLE	2	2						
24	1	119813-59950	VALVE ASSY, CHECK	1	1						
30	1	22190-120002	WASHER, SEAL 12	2	2					W	
(A=FROM 1ST) (B=FROM 1ST)											

Remarks
(1) REPAIR PART.

Fig.14. FUEL LINE

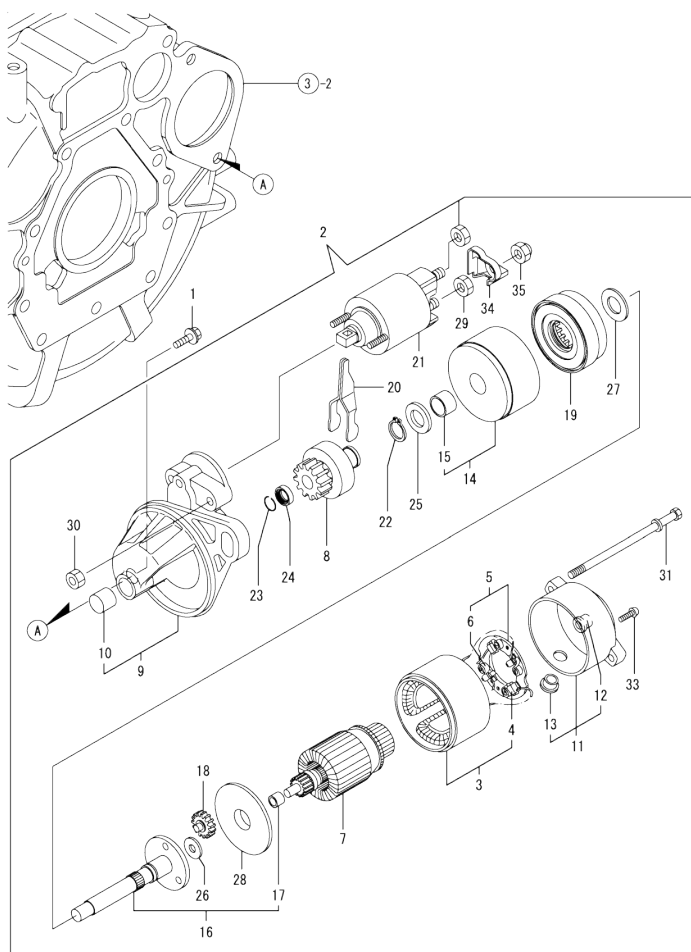
ドウコンピン
LOOSE PARTS



(A)=2TNV70-PIK
(B)=2TNV70-PIKX
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	103854-39140	BOLT, PIPE JOINT	1	1						
2	1	101304-59020	JOINT, PIPE 12	1	1						
3	1	22190-120002	WASHER, SEAL 12	2	2						
4	1	119225-52102	PUMP, FUEL FEED	1	1						
5	1	119740-55600	FILTER ASSY, FUEL	1	1						
6	2	121254-55510	CUP, FUEL STARINER	1	1						
7	2	102103-55520	O-RING	1	1						
8	2	110250-55610	RING, CUP RETAINING	1	1						
9	2	121250-55620	SPRING, ELEMENT	1	1						
10	2	119810-55650	ELEMENT	1	1						
12	2	119810-55340	LEVER, FUEL	1	1						
13	2	104200-55330	SPRING, FUEL VALVE	1	1						
14	2	24311-240100	O-RING, 1AP10A	1	1						
15	2	104200-55750	SCREW, PAN M4	1	1						
16	1	129335-55700	SEPARATOR ASSY,WATER	1	1						
17	2	24311-240100	O-RING, 1AP10A	1	1						
18	2	104200-55321	VALVE, TAPER	1	1						
19	2	104200-55330	SPRING, FUEL VALVE	1	1						
20	2	104200-55341	HANDLE, COCK	1	1						
21	2	124064-55510	CUP, FUEL STARINER	1	1						
22	2	102103-55520	O-RING	1	1						
23	2	110250-55610	RING, CUP RETAINING	1	1						
24	2	121257-55720	SPRING, FILTER	1	1						
25	2	121257-55731	FLOAT	1	1						
27	2	101720-55750	PLUG, HEXAGON M6	2	2						
28	2	104200-55750	SCREW, PAN M4	1	1						
29	2	171081-55910	FILTER, FUEL	1	1						
30	2	23418-060000	GASKET, 6X1.0	2	2						



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	26106-100252	BOLT, M10X 25 PLATED	2	2						
2	1	119515-77010	STARTER ASSY	1	1						
3	2	X0281007680	YOKE ASSY	1	1						
4	3	X0280996180	STARTER KIT	2	2						
5	2	X0285105190	HOLDER ASSY	1	1						
6	3	X0285205030	SPRING	4	4						
7	2	X0282005871	ARMATURE ASSY	1	1						
8	2	X0283006960	CLUTCH ASSY	1	1						
9	2	X4284001590	HOUSING ASSY	1	1						
10	3	X9491050100	BEARING, NEEDLE	1	1						
11	2	X0285007030	FRAME ASSY	1	1						
12	3	X9491040990	BEARING	1	1						
13	3	X0280626010	COVER	1	1						
14	2	X0284105040	BEARING ASSY	1	1						
15	3	X9491034330	BEARING	1	1						
16	2	X0286105010	SHAFT ASSY	1	1						
17	3	X9491034320	BEARING	1	1						
18	2	X0286305010	GEAR	3	3						
19	2	X0286355010	GEAR	1	1						
20	2	X0287405140	LEVER	1	1						
21	2	X0534007800	SWITCH ASSY	1	1						
22	2	X9055715000	RING	1	1						
23	2	X9490721360	RING	1	1						
24	2	X0280210331	NUT	1	1						
25	2	X9490138110	WASHER	1	1						
26	2	X9490138090	WASHER	1	1						
27	2	X9490138100	WASHER	1	1						
28	2	X0284525010	PLATE	1	1						
29	2	X9490562360	NUT	1	1						
30	2	X9490560750	NUT	2	2						
31	2	X9490423520	BOLT, THROUGH	2	2						
33	2	X9490065670	SCREW, M4X6	2	2						
34	2	X0280335360	COVER, TERMINAL	1	1						
35	2	X1289510130	NUT	1	1						

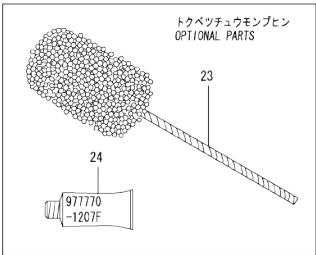
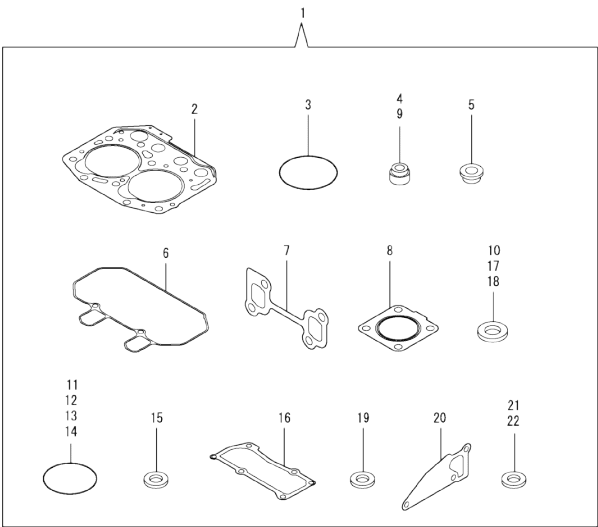
Fig.16. GENERATOR

(A)=2TNV70-PIK
(B)=2TNV70-PIKX
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129972-77341	BOLT, ADJUST L=50	1	1						
2	1	119910-77200	DYNAMO ASSY	1	1						
3	2	X2A10592KA	PLATE ASSY	1	1						
4	3	X2A07075KB	PLATE, COIL	1	1						
5	3	X3A02982KC	STATOR ASSY	1	1						
6	3	X4A10092KA	COLLAR	1	1						
7	3	XYSPS400800	SCREW	1	1						
8	3	XM069000000	CLAMP	1	1						
9	3	XM771860000	COUPLER	1	1						
10	3	119259-77250	SCREW	2	2						
11	3	24104-062010	BEARING, 6201UUC3	3	3						
12	2	XM863720000	NUT	1	1						
13	2	XM219230000	WASHER, SPRING	1	1						
14	2	XM860250000	WASHER, 10	1	1						
15	2	X3A08863KA	FLYWHEEL ASSY	1	1						
16	2	XM771870000	CAP	1	1						
17	1	129795-01900	BOLT, STUD M10X33	1	1						
17-1	1	119740-77250	BOLT, M10X75	1	1						S
(A=E00321) (B=E00321)											
18	1	26306-100002	NUT, M10	1	1						
19	1	119734-77330	ADJUSTER, BELT	1	1						
19-1	1	119440-77300	ADJUSTER, BELT	1	1						S
(A=E00321) (B=E00321)											
20	1	119940-77270	SPACER	1	1						
21	1	26106-080202	BOLT, M8X 20 PLATED	1	1						
22	1	119247-77100	RELAY, POWER	2	2						
23	1	119653-77710	CURRENT LIMITER	1	1						
24	1	119650-77910	RELAY ASSY, GLOW	1	1						
27	1	119643-66900	DIODE	1	1						
28	1	129211-77920	TIMER	1	1						

Fig.17. GASKET SET



Remarks
(1) OPTIONAL PART.

(A)=2TNV70-PIK
(B)=2TNV70-PIKX
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719415-92640	GASKET SET	1	1						1
2	2	119415-01330	GASKET, HEAD	1	1						
3	2	121850-51960	O-RING	1	1						
4	2	119717-11340	SEAL, VALVE STEM	2	2						
5	2	129901-11450	PROTECTOR, NOZZLE	2	2						
6	2	119415-11310	GASKET, BONNET	1	1						
7	2	119415-13110	GASKET, EXH.MANIFOLD	1	1						
8	2	119515-13200	GASKET, SILENCER	1	1						
9	2	119717-11350	SEAL, VALVE STEM	2	2						
10	2	22190-080002	WASHER, SEAL 6	4	4						
11	2	24311-000320	O-RING, 1AP32.0	2	2						
12	2	119717-32060	O-RING, P15.0	1	1						
13	2	119624-32040	O-RING, P12.0	1	1						
14	2	119717-32050	O-RING, P17.0	3	3						
15	2	119600-11460	GASKET, NOZZLE	4	4						
16	2	119415-11330	GASKET	1	1						
17	2	22190-160002	WASHER, SEAL 16	1	1						
18	2	22190-120002	WASHER, SEAL 12	6	6						
19	2	129901-59560	GASKET	2	2						
20	2	119515-42020	GASKET, WATER PUMP	1	1						
21	2	23414-080000	GASKET, 8X1.0	1	1						
22	2	124465-44950	GASKET, 16	2	2						
23	1	129400-92410	HONE, FLEX	1	1						1
24	1	977770-1207F	GASKET, LIQUID	1	1						1

Parts No. Index

Parts No.	Fig. No.	Ref. No.
101304-59020	14	2
101720-55750	14	27
102103-55520	14	7
	22	
103854-39140	14	1
104200-55321	14	18
104200-55330	14	13
	19	
104200-55341	14	20
104200-55750	14	15
	28	
105010-11490	4	5
105027-12580	5	6
105311-01090	1	5
105425-01690	3	9
110250-55610	14	8
	23	
118200-53010	13	2
118400-51370	11	48
119225-52102	14	4
119226-07900	4	1
119233-77932	12	133
119247-77100	16	22
119259-77250	16	10
119285-01990	1	8
119285-11990	4	12
119305-35151	9	3
119305-59120	13	4
119326-12510	5	1
119326-12520	5	2
119336-12570	5	5
119415-01330	1	30
	17	2
119415-01720	3	7
119415-11200	4	22
119415-11240	4	23
119415-11310	4	46
	17	6
119415-11320	4	47
119415-11330	4	48
	17	16
119415-11380	4	36
119415-11740	4	6
119415-13100	6	1
119415-13110	6	2
	17	7
119415-13510	6	7
119415-14580	7	3
119415-14581	7	3 -1
119415-21700	8	1

Parts No.	Fig. No.	Ref. No.
119415-34801	9	1
119415-35080	9	5
119415-39210	9	11
119415-39211	9	11 -1
119415-51030	11	5
119415-51400	11	49
119415-51500	11	64
119415-51700	11	74
119415-51710	11	75
119415-51750	11	76
119415-51760	11	77
119415-59540	13	13
119415-59810	13	9
119415-59820	13	10
119415-77820	4	56
119440-01780	3	8
119440-77300	16	19 -1
119515-01200	1	29
119515-01601	3	2
119515-11100	4	14
119515-11101	4	14 -1
119515-11110	4	15
119515-11280	4	27
119515-11800	4	9
119515-13200	6	6
	17	8
119515-14400	7	2
119515-21570	8	8
119515-22080	8	14
119515-22300	8	20
119515-22500	8	16
119515-22550	8	31
119515-22900	8	29
119515-23000	8	22
119515-23600	8	27
119515-23601	8	27 -1
119515-23610	8	35
119515-23611	8	35 -1
119515-42020	10	13
	17	20
119515-42041	10	3
119515-51100	11	9
119515-53001	13	1
119515-53010	13	3
119515-61440	12	21
119515-77010	15	2
119540-42000	10	1
119540-44700	10	20
119540-59560	13	22
119540-59570	13	20

Parts No.	Fig. No.	Ref. No.
119600-11460	4	4
	17	15
119620-01750	3	4
119620-01800	2	6
119620-02020	1	9
119620-14200	7	1
119620-21500	8	7
119620-21941	8	13
119620-59700	13	23
119621-21680	8	12
119623-01250	1	6
119624-32040	2	18
	17	13
119643-66900	16	27
119650-77910	16	24
119653-77710	16	23
119655-12560	5	4
119660-01911	2	17
119660-61300	12	75
119660-61901	12	66
119717-01501	2	1
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