

0CW10-M50800EN

P R E F A C E

1. This parts catalog is the 1st edition of 3TNV70-QIKX for IHIMER.

Pub.No. : 0CW10-G50800

Published : March, 2009

2. Model name

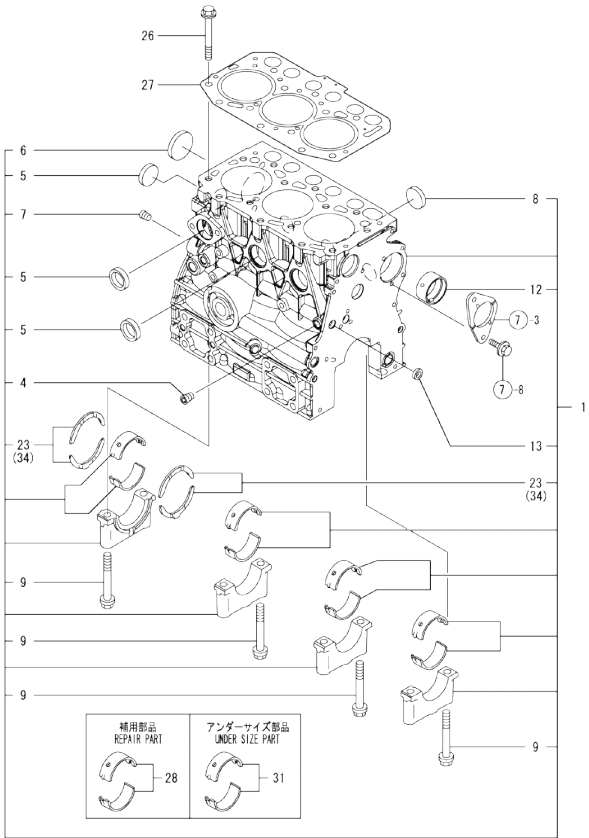
Engine model	Vehicle	Vehicle made by
3TNV70-QIKX	EXCAVATOR	IHIMER

Contents

0CW10-M50800

Fig. No.	Fig. Name	Fig. No.	Fig. Name
3	TNV70-QIKX		
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	FLYWHEEL HOUSING & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	AIR CLEANER		
6.	EXHAUST MANIFOLD & SILENCER		
7.	CAMSHAFT & DRIVING GEAR		
8.	CRANKSHAFT & PISTON		
9.	LUB.OIL SYSTEM		
10.	COOLING WATER SYSTEM		
11.	FUEL INJECTION PUMP		
12.	GOVERNOR		
13.	FUEL INJECTION VALVE		
14.	FUEL FILTER		
15.	STARTING MOTOR		
16.	GENERATOR		
17.	GASKET SET		

Fig.1. CYLINDER BLOCK



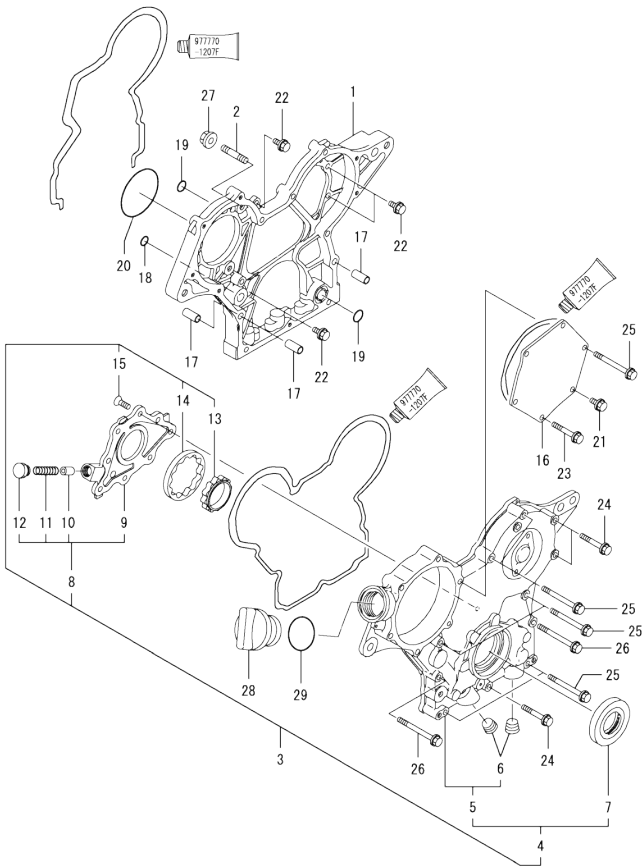
Remarks
(1) REPAIR PART.
(2) UNDER-SIZED(U.S=0.25)PART.
(3) OVER-SIZED(O.S=0.25)PART.

(A)=3TNV70-QIKX
(B)=
(C)=

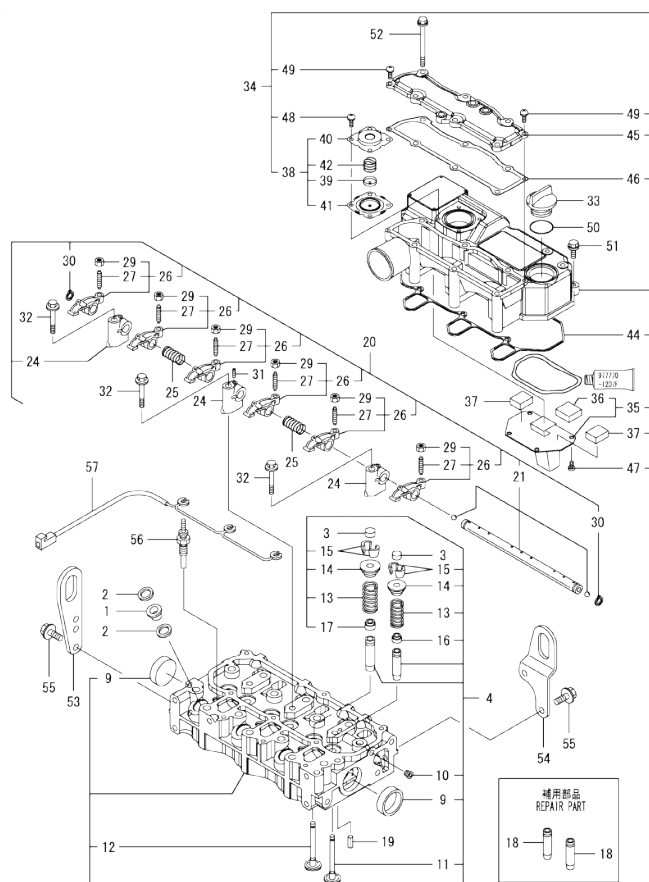
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719515-01560	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	119515-01200	BOLT, HEAD	14							
27	1	119515-01330	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

0CW10-M50800 3TNV70-QIKX
Fig.2. GEAR HOUSING



										0CW10-M50800 Fig.2	
										(A)=3TNV70-QIKX (B)= (C)=	
										(D)= (E)= (F)=	
										Q'ty	
										I R	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)		
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							

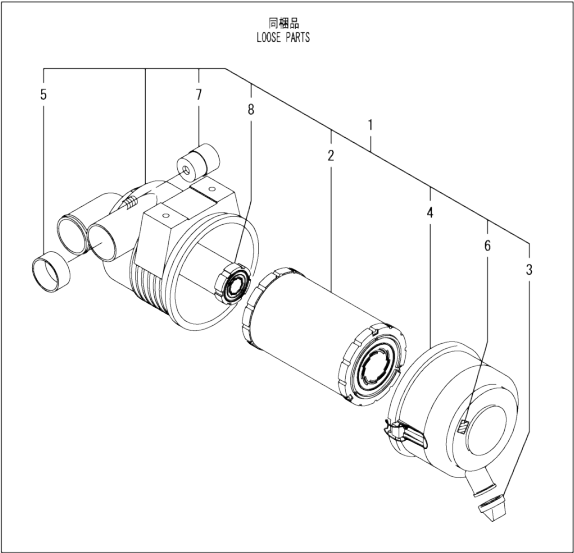


Remarks
(1) REPAIR PART.

No.	Lev.	Parts No.	Description	(F)-Qty						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	119515-11740	HEAD ASSY, CYLINDER	1							
9	2	119285-11990	PLUG, 35	2							
10	2	23876-005000	PLUG, R005	1							
11	2	119515-11101	VALVE, INTAKE	3							
12	2	119515-11110	VALVE, EXHAUST	3							
13	2	119717-11131	SPRING, VALVE	6							
14	2	129508-11180	RETAINER, SPRING	6							
15	2	119717-11190	COTTER	12							
16	2	119717-11340	SEAL, VALVE STEM	3							
17	2	119717-11350	SEAL, VALVE STEM	3							
18	1	119515-11800	GUIDE, VALVE	6							1
19	1	22351-060012	PIN, SPRING 6.0X12	2							
20	1	119515-11200	SUPPORT ASSY, ARM	1							
21	2	119515-11240	SHAFT ASSY, ROCKER	1							
24	2	119717-11260	SUPPORT, ROCKER ARM	3							
25	2	119515-11280	SPRING	2							
26	2	119717-11650	ARM, ROCKER	6							
27	3	129150-11230	SCREW, VALVE ADJUST	6							
29	3	129150-11750	NUT, M8	6							
30	2	22242-000120	RING, 12	2							
31	2	26979-050162	SCREW, M5X16	1							
32	1	26106-080402	BOLT, M8X 40 PLATED	3							
33	1	124160-01751	COVER, FILLER	1							
34	1	119515-11380	BONNET ASSY, HEAD	1							
35	2	119717-03031	PLATE	1							
36	3	119717-03070	BAFFLE, BREATHER	1							
37	2	119717-03070	BAFFLE, BREATHER	2							
38	2	119802-03100	DIAPHRAGM ASSY	1							
39	3	119802-03110	PLATE	1							
40	3	119802-03121	COVER, DIAPHRAGM	1							
41	3	119802-03131	DIAPHRAGM	1							
42	3	119802-03141	SPRING, DIAPHRAGM	1							
44	2	119515-11310	GASKET, BONNET	1							
45	2	119515-11320	COVER, BONNET	1							
46	2	119515-11330	GASKET	1							
47	2	22857-500100	SCREW, 5X10	4							
48	2	22857-500100	SCREW, 5X10	4							
49	2	22857-500160	SCREW, 5X16	2							
50	1	24311-000320	O-RING, 1AP32.0	1							
51	1	26106-060202	BOLT, M6X 20 PLATED	3							
52	1	26106-060752	BOLT, M6X 75 PLATED	6							
53	1	119226-07900	LIFTER	1							
54	1	119540-07910	LIFTER	1							
55	1	26106-080162	BOLT, M8X 16 PLATED	4							
56	1	119717-77800	PLUG, GLOW	3							
57	1	119717-77820	CONNECTOR, GLOW PLUG	1							

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:Q'ty Change

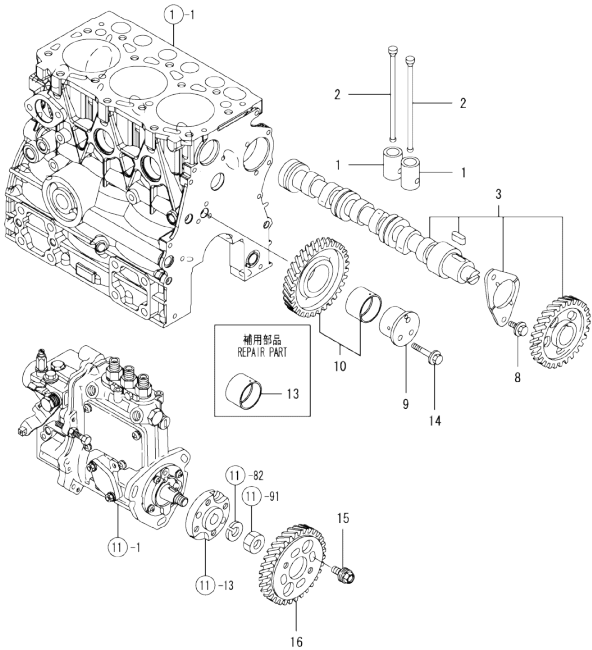
0CW10-M50800 3TNV70-QIKX
Fig.5. AIR CLEANER



							0CW10-M50800 Fig.5							
							(A)=3TNV70-QIKX							
							(D)=							
							(B)=							
							(E)=							
							(C)=							
							(F)=							
							Q'ty							
No.	Lev.	Parts No.	Description				(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119515-12610	CLEANER ASSY, AIR				1							
2	2	119515-12520	ELEMENT				1							
3	2	119808-12540	VALVE, UNLOADER				1							
4	2	119655-12570	COVER ASSY				1							
5	2	105027-12580	RING				1							
6	2	129612-12650	LABEL, MARKING				1							
7	2	126650-12680	INDICATOR				1							
8	2	119233-12700	ELEMENT				1							

0CW10-M50800 3TNV70-QIKX

Fig.7. CAMSHAFT & DRIVING GEAR



Remarks
(1) REPAIR PART.

0CW10-M50800 Fig.7

(A)=3TNV70-QIKX
(B)=
(C)=

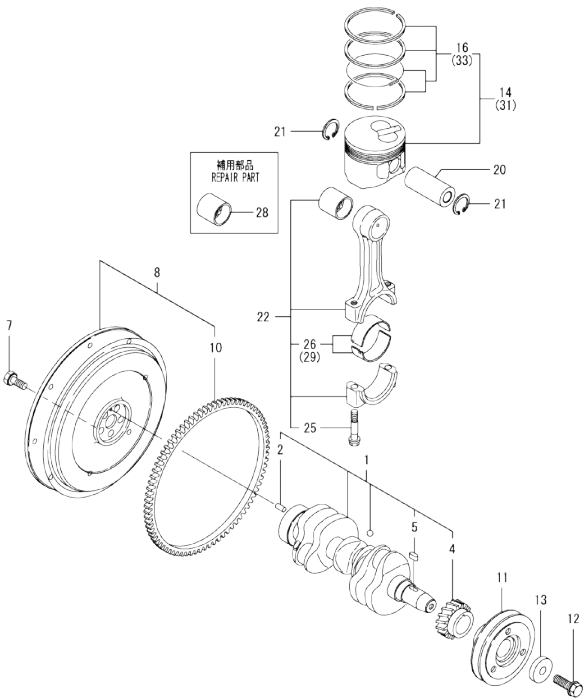
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119620-14200	TAPPET	6							
2	1	119515-14400	ROD, PUSH	6							
3	1	119515-14581	CAMSHAFT ASSY	1							
8	1	26106-060122	BOLT, M6X 12 PLATED	2							
9	1	119717-25050	SHAFT, IDLE	1							
10	1	119717-25101	GEAR ASSY, IDLE	1							
13	1	119717-25911	BUSH, IDLE GEAR	1							1
14	1	26106-060352	BOLT, M6X 35 PLATED	3							
15	1	129150-25301	BOLT	4							
16	1	119717-25930	GEAR, PUMP	1							

N:Old $\frac{YBS}{100}$ New, Q:Old $\frac{H10}{100}$ New, R:Old $\frac{YBS}{100}$ New, S:Old $\frac{H10}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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0CW10-M50800 3TNV70-QIKX

Fig.8. CRANKSHAFT & PISTON



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

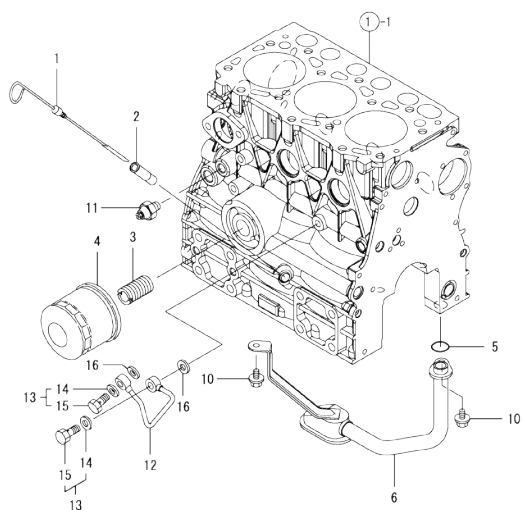
0CW10-M50800 Fig.8

(A)=3TNV70-QIKX
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119515-21700	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	119515-21580	FLYWHEEL ASSY	1							
10	2	124950-21600	GEAR, RING	1							
11	1	119717-21650	V-PULLEY	1							
12	1	119621-21680	BOLT, FLANGE 12X1.25	1							
13	1	119620-21941	WASHER	1							
14	1	119515-22080	PISTON ASSY	3							
16	2	119515-22500	RING SET, PISTON	3							
20	1	119515-22300	PIN, PISTON	3							
21	1	22252-000220	RING, 22	6							
22	1	119515-23000	ROD ASSY, CONNECTING	3							
25	2	119717-23200	BOLT, CONNECTING ROD	6							
26	2	119515-23601	BEARING, CRANK PIN	3							
28	1	119717-23910	BEARING, PISTON PIN	3							1
29	1	119515-23611	METAL ASSY, 0.25	3							2
31	1	119515-22900	PISTON ASSY, 0.25 OS	3							3
33	2	119515-22550	RING SET, 0.25 OS	3							3

Fig.9. LUB.OIL SYSTEM



Remarks
(1) REPAIR PART.

(A)=3TNV70-QIKX
(B)=
(C)=

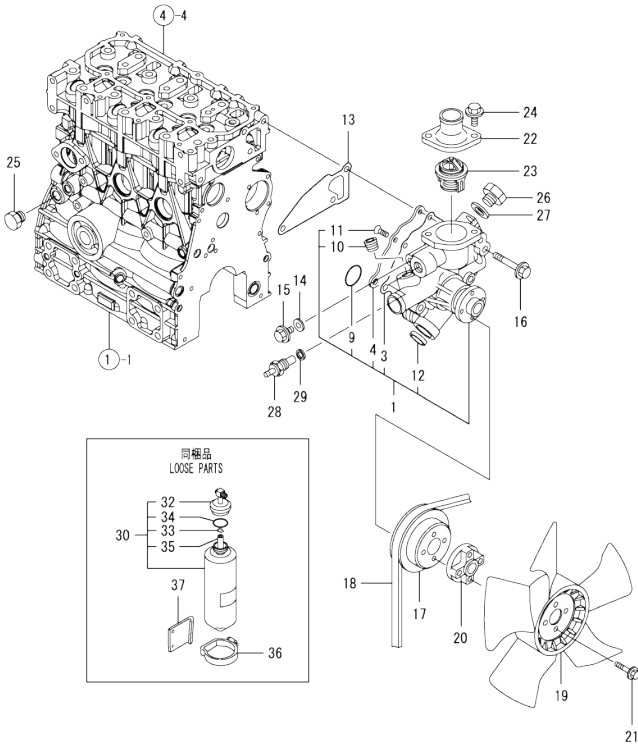
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119546-34801	DIPSTICK, OIL	1							
2	1	121520-34810	GUIDE, DIPSTICK	1							
3	1	129100-35140	STUD	1							
4	1	119305-35151	FILTER ASSY, D68XL65	1							1
5	1	119717-32060	O-RING, P15.0	1							
6	1	119546-35080	PIPE ASSY, OIL INLET	1							
10	1	26106-060102	BOLT, M6X 10 PLATED	2							
11	1	121252-39450	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							

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:Qty Change

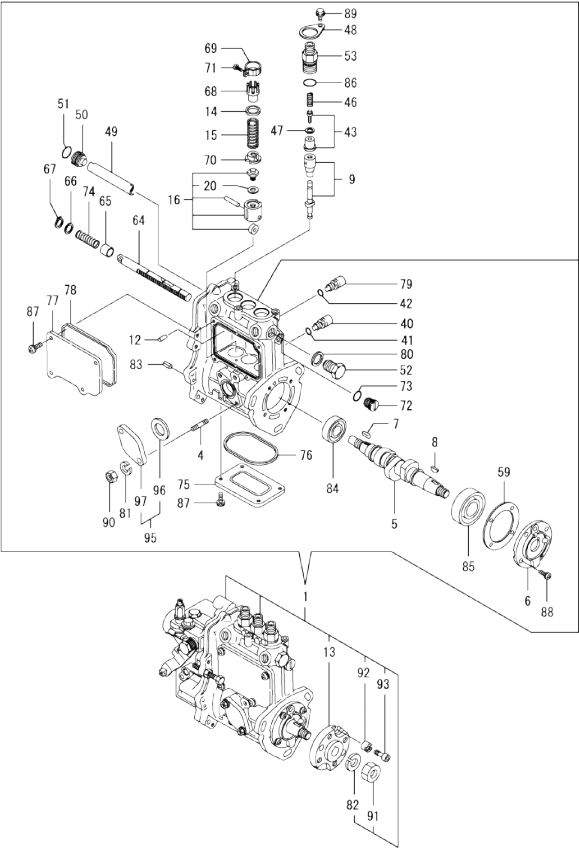
0CW10-M50800 3TNV70-QIKX

Fig.10. COOLING WATER SYSTEM



							0CW10-M50800 Fig.10	
							(A)=3TNV70-QIKX	(D)=
							(B)=	(E)=
							(C)=	(F)=
							Q'ty	
							(A)	(B)
							(C)	(D)
							(E)	(F)
							I	
							R	
No.	Lev.	Parts No.	Description					
1	1	119540-42000	PUMP ASSY, WATER	1				
1-1	1	119C10-42000	PUMP ASSY, WATER	1				N
(A=E/ 89579)								
1-2	1	119C10-42001	PUMP ASSY, CW	1				N
(A=EL4999)								
3	2	119717-42031	GASKET	1				
4	2	119515-42041	COVER	1				
9	2	119717-42320	O-RING, P26	1				
9-1	2	119C10-42320	O-RING, 2028	1				S
(A=E/ 89579)								
10	2	129916-49740	PLUG, R3/8	1				
11	2	26577-060122	SCREW, M6X12	4				
12	2	27241-250000	PLUG, 25	1				
12-1	2	119717-42050	PLUG, 25	1				N
(A=EL4999)								
13	1	119515-42020	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	119740-42350	V-PULLEY, D=90	1				
18	1	121522-42290	V-BELT, A34.5	1				
19	1	119233-44740	FAN, D=290XUH	1				
20	1	121267-44760	SPACER, FAN	1				
21	1	26106-060302	BOLT, M6X 30 PLATED	4				
22	1	129350-49530	COVER, THERMOSTAT	1				
23	1	119717-49800	THERMOSTAT, 71C	1				
24	1	26106-080202	BOLT, M8X 20 PLATED	2				
25	1	171056-49120	PLUG, DRAIN R1/4	1				
26	1	121450-42450	PLUG, M16	1				
27	1	124465-44950	GASKET, 16	1				
28	1	171056-49351	SENSOR, WATER TEMP.	1				
29	1	129150-49360	GASKET	1				
30	1	171064-44510	TANK ASSY, SUB	1				
32	2	121450-44531	CAP	1				
33	2	124450-44560	CLAMP, HOSE	1				
34	2	121470-44581	GASKET	1				
35	2	23065-070225	HOSE 7X 225	1				
36	1	124450-44550	BAND, SUB-TANK	1				
37	1	121256-44600	BRACKET, SUB TANK	1				

Fig.11. FUEL INJECTION PUMP

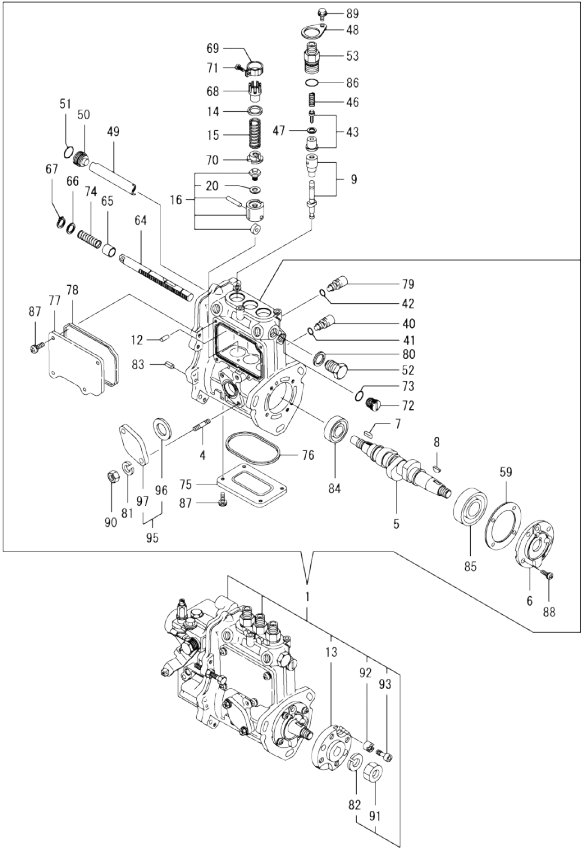


Remarks
(1) GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FUEL
INJECTION PUMP.(REF.NO.1).

										0CW10-M50800 Fig.11	
										(A)=3TNV70-QIKX (D)= (E)= (F)=	
										Q'ty	
										I R	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719540-51370	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	119515-51100	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	118400-51370	LOCKING	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	129155-51521	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	22190-160002	WASHER, SEAL 16	1							
81	2	22217-060000	WASHER, SPRING 6	2							
82	2	22217-120000	WASHER, SPRING 12	1							
83	2	22351-050010	PIN, SPRING 5.0X10	2							
84	2	24101-060034	BEARING, BALL 6003	1							
85	2	24101-063034	BEARING, BALL 6303	1							
86	2	24316-000150	O-RING, 4DP15.0	3							
87	2	26022-050122	SCREW, M5X12	8							
88	2	26022-060162	SCREW, M6X16	4							

0CW10-M50800 3TNV70-QIKX

Fig.11. FUEL INJECTION PUMP



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

0CW10-M50800 Fig.11

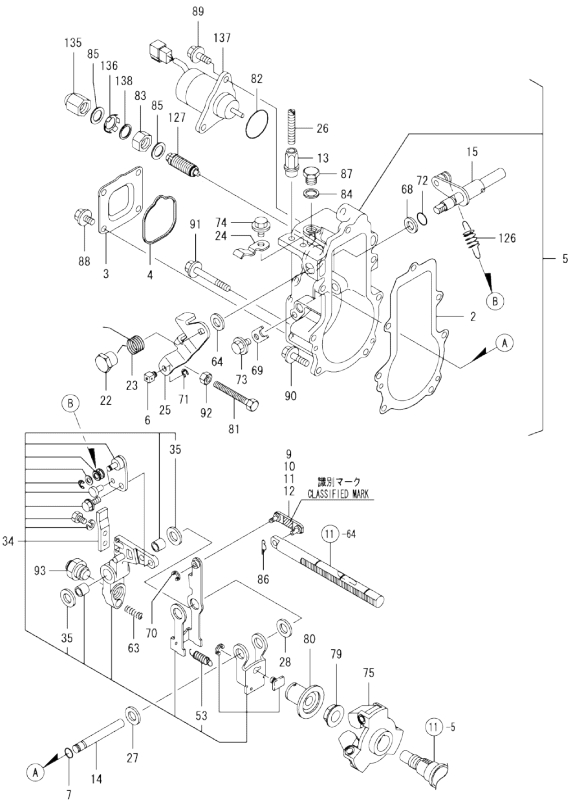
(A)=3TNV70-QIKX
(B)=
(C)=

(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	26716-060002	NUT, M6	2							
91	2	26716-120002	NUT, M12	1							
92	2	119717-51480	COLLAR	1							
93	2	119717-51490	BOLT	1							
95	2	129255-52000	COVER ASSY	1							
96	3	129155-52051	GASKET	1							
97	3	129100-52200	COVER	1							

N:Old $\frac{YHS}{100}$ New, Q:Old $\frac{HIS}{100}$ New, R:Old $\frac{YHS}{100}$ New, S:Old $\frac{HIS}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.12. GOVERNOR



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

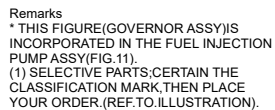
(A)=3TNV70-QIKX
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	119717-61050	GASKET	1							
3	2	119717-61060	COVER, GOVERNOR CASE	1							
4	2	119717-61070	GASKET	1							
5	2	119540-61200	CASE ASSY, GOVERNOR	1							
6	3	124066-03770	RETAINER	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							1
11	3	119717-61140	LINK, MARK 88	1							1
12	3	119717-61150	LINK, MARK 03	1							1
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	119740-61440	LEVER, CONTROL	1							
26	3	129155-61450	BOLT, LIMITER	1							
27	3	129156-61460	SHIM, T=0.6	1							
28	3	129155-61480	SPACER ASSY	1							
34	3	119717-61500	LEVER ASSY, GOVERNOR	1							
35	4	174307-51700	SHIM SET	2							
53	4	129486-61540	SPRING, SET	1							
63	3	129100-61650	SPRING, CONTROLLER	1							
64	3	158552-61700	SHIM SET	1							
68	3	158552-61710	SHIM, T=1.0	1							
69	3	119660-61901	RETAINER, SHAFT	1							
70	3	22272-000030	RING, E- 3	1							
71	3	22272-000050	RING, E- 5	1							
72	3	24341-000070	O-RING, 1AS7.0	1							
73	3	26106-060102	BOLT, M6X 10 PLATED	1							
74	3	26106-060102	BOLT, M6X 10 PLATED	1							
75	2	119717-61200	WEIGHT ASSY,GOVERNOR	1							
79	2	129008-61301	NUT	1							
80	2	129155-61341	SLEEVE	1							
81	2	129155-61460	BOLT, IDLE	1							
82	2	158552-61900	O-RING	1							
83	2	129209-61920	NUT, ARB	1							
84	2	22190-100002	WASHER, SEAL 10	1							
85	2	22190-120002	WASHER, SEAL 12	2							
86	2	22372-040000	PIN, SNAP 4	1							
87	2	23887-100002	PLUG, 10	1							
88	2	26106-060102	BOLT, M6X 10 PLATED	4							
89	2	26106-060142	BOLT, M6X 14 PLATED	2							
90	2	26106-060202	BOLT, M6X 20 PLATED	4							
91	2	26106-060452	BOLT, M6X 45 PLATED	3							
92	2	26756-060002	NUT, LOCK M6	1							
93	2	119740-61550	ANGLEICH ASSY	1							
126	2	171353-61700	SPRING, GOVERNOR	1							
127	2	158601-61790	LIMITER ASSY, FUEL	1							
135	2	129209-61930	NUT, CAP	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.12. GOVERNOR



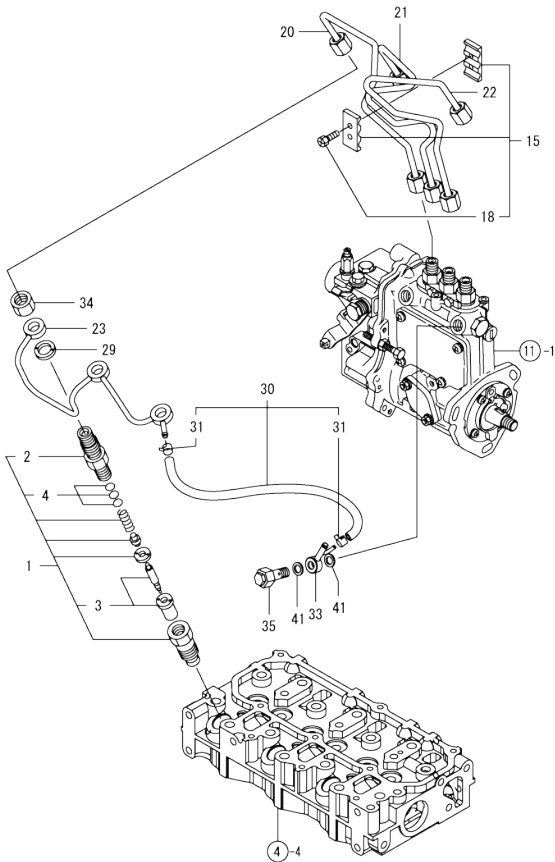
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(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
136	2	129209-61970	PLATE	1							
137	2	119233-77932	SOLENOID, STOP	1							
138	2	23414-120016	GASKET 12X10	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:Qty Change

Fig.13. FUEL INJECTION VALVE

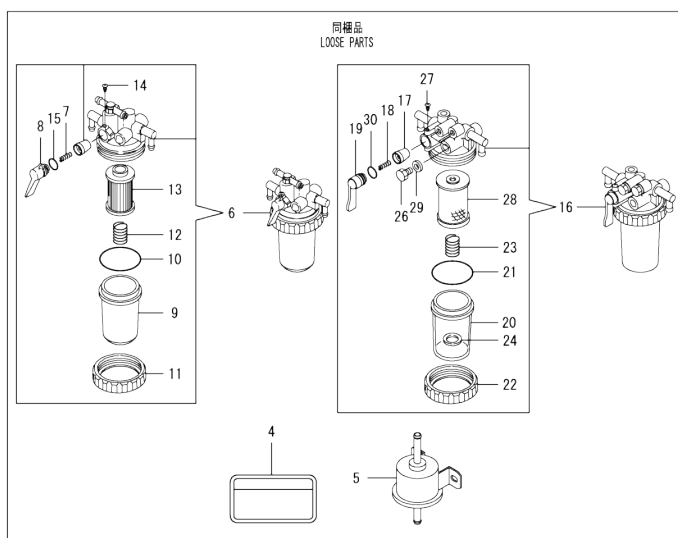
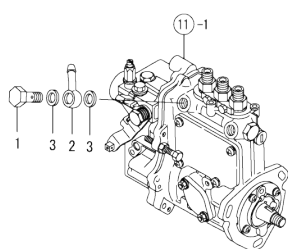


(A)=3TNV70-QIKX
(B)=
(C)=

(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	3							
2	2	118200-53010	HOLDER, NOZZLE	3							
3	2	119515-53010	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	119546-59810	PIPE ASSY, INJECTION	1							
21	1	119546-59820	PIPE ASSY, INJECTION	1							
22	1	119546-59830	PIPE ASSY, INJECTION	1							
23	1	119515-59540	PIPE ASSY, RETURN	1							
29	1	129901-59560	GASKET	3							
30	1	119540-59570	PIPE ASSY, RETURN	1							
31	2	124066-59100	CLIP, HOSE 8	2							
33	1	119840-59570	JOINT	1							
34	1	119620-59700	NUT, NOZZLE	3							
35	1	119813-59950	VALVE ASSY, CHECK	1							
41	1	22190-120002	WASHER, SEAL 12	2							

Fig.14. FUEL FILTER



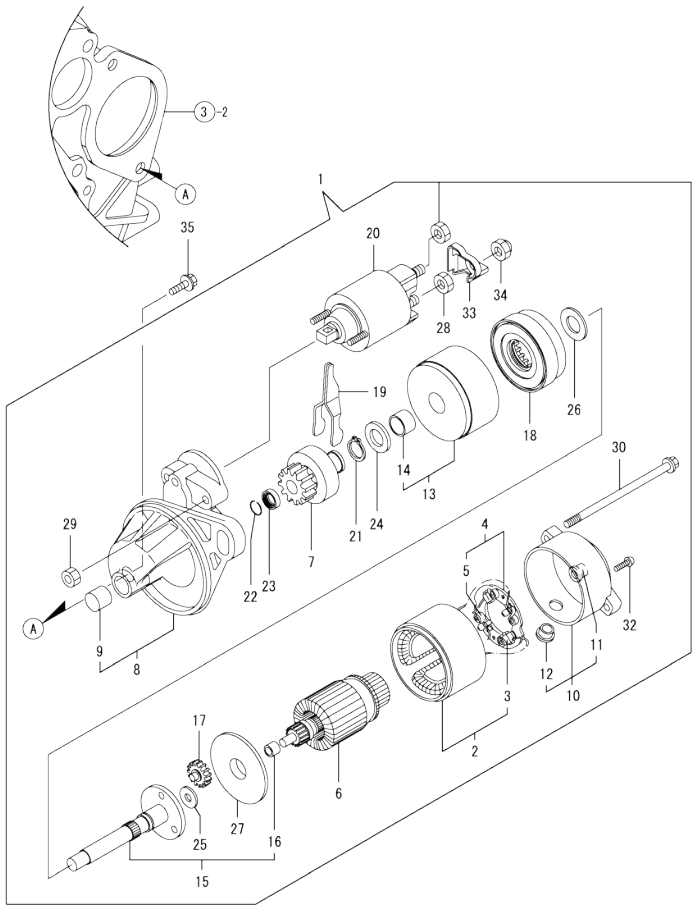
(D)=
(E)=
(F)=

(A)=3TNV70-QIKX
(B)=
(C)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
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	114110-07760	LABEL, FUEL CAUTION	1							
5	1	119225-52102	PUMP ASSY, FUEL FEED	1							
6	1	119833-55620	FILTER ASSY, FUEL	1							
7	2	104200-55330	SPRING, VALVE	1							
8	2	119810-55340	LEVER	1							
9	2	121254-55510	COVER	1							
10	2	102103-55520	O-RING	1							
11	2	110250-55610	RING, RETAINING	1							
12	2	121250-55620	SPRING	1							
13	2	119810-55650	ELEMENT	1							
14	2	104200-55750	SCREW, M4	1							
15	2	24311-240100	O-RING, 1AP10A	1							
16	1	129335-55700	SEPARATOR ASSY;WATER	1							
17	2	104200-55321	VALVE, TAPER	1							
18	2	104200-55330	SPRING, VALVE	1							
19	2	104200-55341	HANDLE	1							
20	2	124064-55510	COVER	1							
21	2	102103-55520	O-RING	1							
22	2	110250-55610	RING, RETAINING	1							
23	2	121257-55720	SPRING	1							
24	2	121257-55731	FLOAT	1							
26	2	101720-55750	PLUG, 6	2							
27	2	104200-55750	SCREW, M4	1							
28	2	171081-55910	SCREEN	1							
29	2	23418-060000	GASKET, 6X1.0	2							
30	2	24311-240100	O-RING, 1AP10A	1							

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-M50800 3TNV70-QIKX
Fig.15. STARTING MOTOR



0CW10-M50800 Fig.15

(A)=3TNV70-QIKX
(B)=
(C)=

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

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	1							
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							

Fig.16. GENERATOR

(A)=3TNV70-QIKX
(B)=
(C)=

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

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	119734-77330	ADJUSTER	1							
19	1	129972-77341	BOLT, ADJUSTER L=50	1							
20	1	26106-080202	BOLT, M8X 20 PLATED	1							
21	1	119643-66900	DIODE	1							
22	1	119247-77100	RELAY, SAFETY	3							
23	1	119653-77711	LIMITER, CURRENT	1							
24	1	119650-77910	RELAY ASSY, GLOW	1							
27	1	129155-77925	TIMER	1							
28	1	129211-77920	TIMER	1							

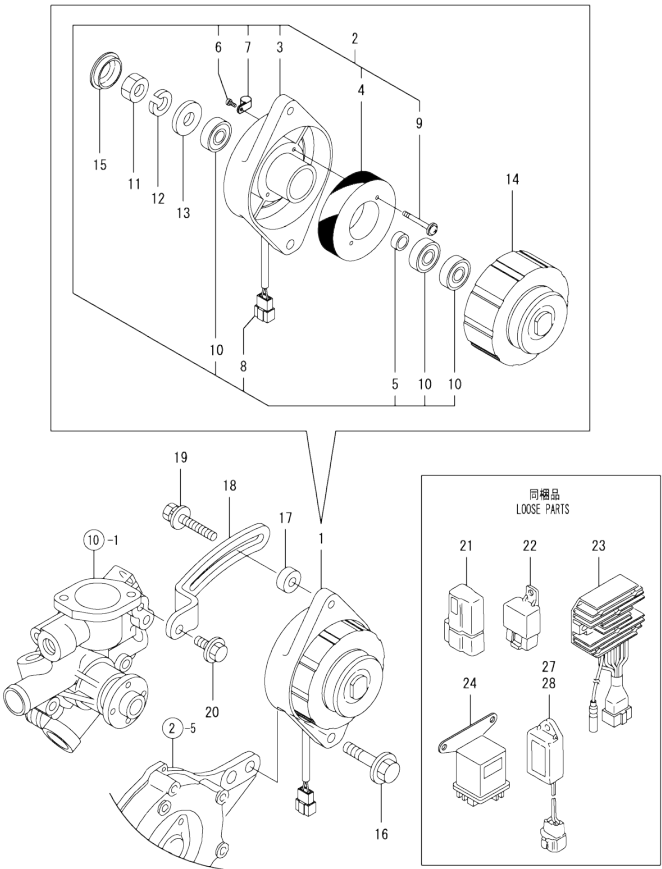
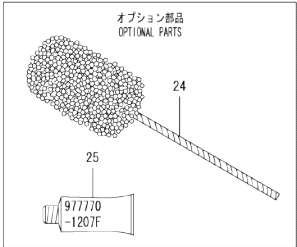
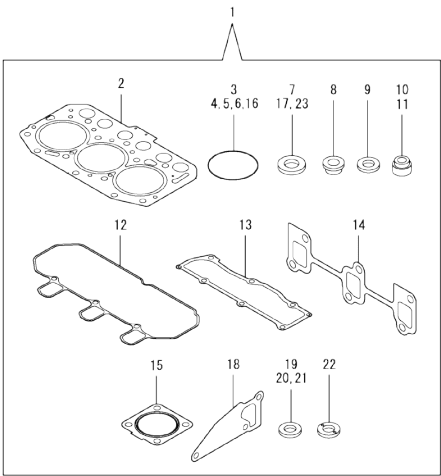


Fig.17. GASKET SET



Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719515-92640	GASKET SET	1							1
2	2	119515-01330	GASKET, HEAD	1							
3	2	119624-32040	O-RING, P12.0	1							
4	2	119717-32050	O-RING, P17.0	3							
5	2	121850-51960	O-RING	1							
6	2	24311-000320	O-RING, 1AP32.0	2							
7	2	22190-160002	WASHER, SEAL 16	1							
8	2	129901-11450	PROTECTOR, NOZZLE	3							
9	2	119600-11460	GASKET, NOZZLE	6							
10	2	119717-11340	SEAL, VALVE STEM	3							
11	2	119717-11350	SEAL, VALVE STEM	3							
12	2	119515-11310	GASKET, BONNET	1							
13	2	119515-11330	GASKET	1							
14	2	119717-13110	GASKET	1							
15	2	119515-13200	GASKET, SILENCER	3							
16	2	119717-32060	O-RING, P15.0	1							
17	2	22190-080002	WASHER, SEAL 6	4							
18	2	119515-42020	GASKET, WATER PUMP	1							
19	2	23414-080000	GASKET, 8X1.0	1							
20	2	124465-44950	GASKET, 16	1							
21	2	129150-49360	GASKET	1							
22	2	129901-59560	GASKET	3							
23	2	22190-120002	WASHER, SEAL 12	4							
24	1	129400-92410	HONE	1							1
25	1	977770-1207F	GASKET, LIQUID	1							1

Parts No. Index

Parts No.	Fig. No.	Ref. No.
101304-59020	14	2
101720-55750	14	26
102103-55520	14	10
		21
103854-39140	14	1
104200-55321	14	17
104200-55330	14	7
		18
104200-55341	14	19
104200-55750	14	14
		27
105010-11490	4	3
105027-12580	5	5
105311-01090	1	5
105425-01690	3	9
110250-55610	14	11
		22
114110-07760	14	4
118200-53010	13	2
118400-51370	11	48
119131-18320	6	5
119225-52102	14	5
119226-07900	4	53
119233-12700	5	8
119233-44740	10	19
119233-77932	12	137
119247-77100	16	22
119259-77250	16	9
119285-01990	1	8
119285-11990	4	9
119305-35151	9	4
119515-01200	1	26
119515-01330	1	27
	17	2
119515-01601	3	2
119515-01720	3	7
119515-11101	4	11
119515-11110	4	12
119515-11200	4	20
119515-11240	4	21
119515-11280	4	25
119515-11310	4	44
	17	12
119515-11320	4	45
119515-11330	4	46
	17	13
119515-11380	4	34
119515-11740	4	4
119515-11800	4	18
119515-12520	5	2

Parts No.	Fig. No.	Ref. No.
119515-12610	5	1
119515-13200	6	7
	17	15
119515-13530	6	8
119515-14400	7	2
119515-14581	7	3
119515-21580	8	8
119515-21700	8	1
119515-22080	8	14
119515-22300	8	20
119515-22500	8	16
119515-22550	8	33
119515-22900	8	31
119515-23000	8	22
119515-23601	8	26
119515-23611	8	29
119515-42020	10	13
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119515-42041	10	4
119515-51100	11	9
119515-53001	13	1
119515-53010	13	3
119515-59540	13	23
119534-61420	12	23
119534-61430	12	24
119540-07910	4	54
119540-13100	6	1
119540-42000	10	1
119540-59570	13	30
119540-61200	12	5
119546-01770	3	8
119546-34801	9	1
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119546-59830	13	22
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119620-21941	8	13
119620-59700	13	34
119621-21680	8	12
119623-01250	1	6
119624-32040	2	18
	17	3
119643-66900	16	21
119650-77910	16	24

Parts No.	Fig. No.	Ref. No.
119653-77711	16	23
119655-12570	5	4
119660-01911	2	17
119660-61901	12	69
119717-01501	2	1
119717-01521	2	5
119717-01570	2	2
119717-01750	2	16
119717-01800	2	7
119717-02411	1	12
119717-02930	1	23
119717-03031	4	35
119717-03070	4	36
		37
119717-11131	4	13
119717-11190	4	15
119717-11260	4	24
119717-11340	4	16
	17	10
119717-11350	4	17
	17	11
119717-11650	4	26
119717-13110	6	2
	17	14
119717-13600	6	3
119717-21200	8	4
119717-21650	8	11
119717-23200	8	25
119717-23910	8	28
119717-25050	7	9
119717-25101	7	10
119717-25911	7	13
119717-25930	7	16
119717-32050	2	19
	17	4
119717-32060	9	5
	17	16
119717-32080	2	9
119717-32100	2	8
119717-32110	2	13
119717-32120	2	14
119717-39210	9	12
119717-42031	10	3
119717-42050	10	12 -1
119717-42320	10	9
119717-49800	10	23
119717-51030	11	5
119717-51060	11	6
119717-51070	11	7
119717-51150	11	13

Parts No.	Fig. No.	Ref. No.
119717-51190	11	15
119717-51200	11	16
119717-51300	11	43
119717-51330	11	46
119717-51420	11	51
119717-51480	11	92
119717-51490	11	93
119717-51500	11	64
119717-51570	11	70
119717-51711	11	76
119717-51750	11	77
119717-51761	11	78
119717-61050	12	2
119717-61060	12	3
119717-61070	12	4
119717-61120	12	9
119717-61130	12	10
119717-61140	12	11
119717-61150	12	12
119717-61200	12	75
119717-61400	12	15
119717-61500	12	34
119717-77010	15	1
119717-77800	4	56
119717-77820	4	57
119734-01590	2	3
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119734-77330	16	18
119740-42350	10	17
119740-61440	12	25
119740-61550	12	93
119802-03100	4	38
119802-03110	4	39
119802-03121	4	40
119802-03131	4	41
119802-03141	4	42
119802-13620	6	4
119802-32130	2	15
119808-12540	5	3
119810-02941	1	34
119810-55340	14	8
119810-55650	14	13
119813-59950	13	35
119833-55620	14	6
119840-59570	13	33
119910-77200	16	1
119940-77270	16	17
119C10-42000	10	1 -1
119C10-42001	10	1 -2
119C10-42320	10	9 -1

Parts No. Index

Parts No.	Fig. No.	Ref. No.
121250-55620	14	12
121252-39450	9	11
121254-55510	14	9
121256-44600	10	37
121257-55720	14	23
121257-55731	14	24
121267-44760	10	20
121450-42450	10	26
121450-44531	10	32
121470-44581	10	34
121520-34810	9	2
121522-42290	10	18
121850-51960	2	20
	17	5
122710-51090	11	8
124060-01050	1	4
124064-55510	14	20
124066-03770	12	6
124066-59100	13	31
124085-02220	3	4
124160-01751	2	28
	4	33
124160-01910	1	7
124450-44550	10	36
124450-44560	10	33
124465-44950	10	27
	17	20
124550-51350	11	47
124950-21600	8	10
126650-12680	5	7
129001-32320	2	11
129001-32330	2	12
129005-59830	9	13
129008-61301	12	79
129052-61390	12	14
129100-01580	3	1
	8	2
129100-35140	9	3
129100-51560	11	69
129100-51570	11	71
129100-52200	11	97
129100-61650	12	63
129150-11230	4	27
129150-11750	4	29
129150-25301	7	15
129150-49360	10	29
	17	21
129150-59120	13	15
129150-59131	13	18
129155-51020	11	4

Parts No.	Fig. No.	Ref. No.
129155-51140	11	12
129155-51280	11	41
		42
	12	7
129155-51400	11	49
129155-51450	11	59
129155-51521	11	65
129155-51530	11	66
129155-51540	11	67
129155-51550	11	68
129155-51580	11	73
129155-51591	11	74
129155-51600	11	20
129155-51701	11	75
129155-52051	11	96
129155-61341	12	80
129155-61450	12	26
129155-61460	12	81
129155-61480	12	28
129155-77925	16	27
129156-61460	12	27
129209-61370	12	13
129209-61920	12	83
129209-61930	12	135
129209-61970	12	136
129211-77920	16	28
129255-52000	11	95
129255-61410	12	22
129335-55700	14	16
129350-49530	10	22
129400-92410	17	24
129486-61540	12	53
129508-11180	4	14
129612-12650	5	6
129900-32130	2	10
129901-11450	4	1
	17	8
129901-53800	13	4
129901-59560	13	29
	17	22
129916-49740	10	10
129972-77341	16	19
158552-61700	12	64
158552-61710	12	68
158552-61900	12	82
158600-51170	11	14
158600-51270	11	40
158600-51410	11	50
158600-51420	11	52
158600-51442	11	53

Parts No.	Fig. No.	Ref. No.
158600-51570	11	72
158600-51790	11	79
158601-61790	12	127
171056-49120	10	25
171056-49351	10	28
171064-44510	10	30
171081-55910	14	28
171353-61700	12	126
174307-51700	12	35
22190-080002	9	14
		16
	17	17
22190-100002	12	84
22190-120002	12	85
	13	41
	14	3
	17	23
22190-160002	3	11
	11	80
	17	7
22217-060000	11	81
22217-120000	11	82
22242-000120	4	30
22252-000220	8	21
22272-000030	12	70
22272-000050	12	71
22351-050010	11	83
22351-060012	4	19
22372-040000	12	86
22512-040120	8	5
22857-500100	4	47
		48
22857-500160	4	49
23065-070225	10	35
23414-080000	10	14
	17	19
23414-120016	12	138
23418-060000	14	29
23857-030000	9	15
23876-005000	4	10
23876-030000	2	6
23887-100002	12	87
24101-060034	11	84
24101-063034	11	85
24104-062010	16	10
24311-000320	2	29
	4	50
	17	6
24311-240100	14	15
		30

Parts No.	Fig. No.	Ref. No.
24316-000150	11	86
24341-000070	12	72
26022-050122	11	87
26022-060162	11	88
26106-050102	11	89
26106-060102	9	10
	12	73
		74
		88
26106-060122	2	21
	3	12
	7	8
26106-060142	12	89
26106-060162	2	22
26106-060202	4	51
	12	90
26106-060252	3	13
26106-060302	10	21
26106-060352	7	14
26106-060402	2	23
		24
26106-060452	3	14
	12	91
26106-060602	2	25
26106-060652	2	26
26106-060752	4	52
26106-080122	10	15
26106-080162	4	55
26106-080202	10	24
	16	20
26106-080402	4	32
26106-080502	10	16
26106-100252	15	35
26106-100452	16	16
26206-100252	3	5
26206-100302	3	6
26306-080002	2	27
	6	6
26577-060122	10	11
26716-060002	11	90
26716-120002	11	91
26756-060002	12	92
26979-050162	4	31
27241-120000	1	13
27241-250000	10	12
719515-01560	1	1
719515-92640	17	1
719540-51370	11	1
719717-02901	1	28
719717-02911	1	31

Parts No. Index

Parts No.	Fig. No.	Ref. No.
719734-01500	2	4
977770-1207F	17	25
X0280210331	15	23
X0280335350	15	33
X0280626010	15	12
X0280996180	15	3
X0281007750	15	2
X0282005991	15	6
X0283006960	15	7
X0284105040	15	13
X0284525010	15	27
X0285007030	15	10
X0285105190	15	4
X0285205030	15	5
X0286105010	15	15
X0286305010	15	17
X0286355010	15	18
X0287405140	15	19
X0534007800	15	20
X1289510130	15	34
X2A07075KB	16	3
X2A10592KA	16	2
X3A02982KC	16	4
X3A08863KA	16	14
X4284001590	15	8
X4A10092KA	16	5
X9055715000	15	21
X9490065670	15	32
X9490138090	15	25
X9490138100	15	26
X9490138110	15	24
X9490423420	15	30
X9490560750	15	29
X9490562360	15	28
X9490721360	15	22
X9491034320	15	16
X9491034330	15	14
X9491040990	15	11
X9491050100	15	9
XM0690000000	16	7
XM219230000	16	12
XM771860000	16	8
XM771870000	16	15
XM860250000	16	13
XM863720000	16	11
XYSPS400800	16	6

Parts No.	Fig. No.	Ref. No.

Parts No.	Fig. No.	Ref. No.