

OCR10-M64000EN

PREFACE

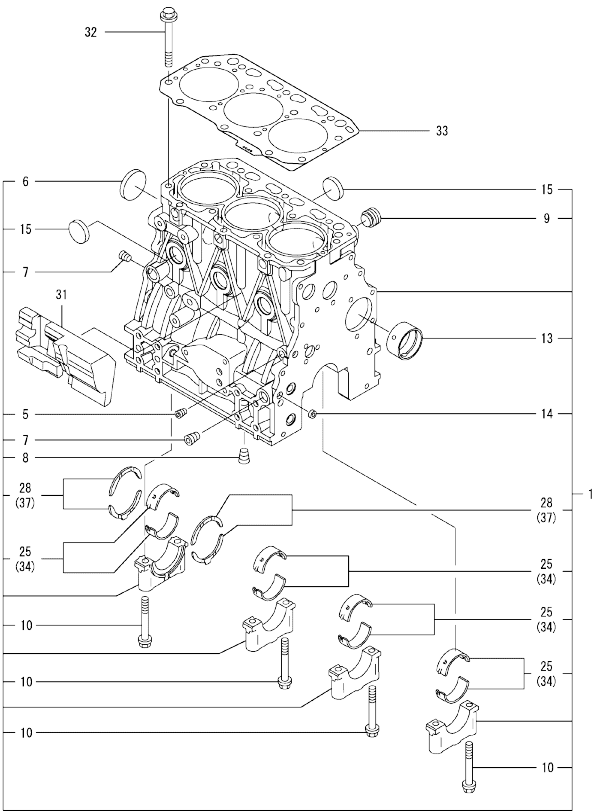
- 1.This Parts Catalog carries all parts incorporated in YANMAR Model 3TNV88-GGEP engine manufactured since January, 2006.
- 2.Each illustration corresponds to the parts list on the following page.
- 3.When ordering parts,clearly write down the engine model and serial number,as well as the name and number of each part in your order sheet. This will help insure reliable delivery of the parts you have ordered.

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0CR10-M64000

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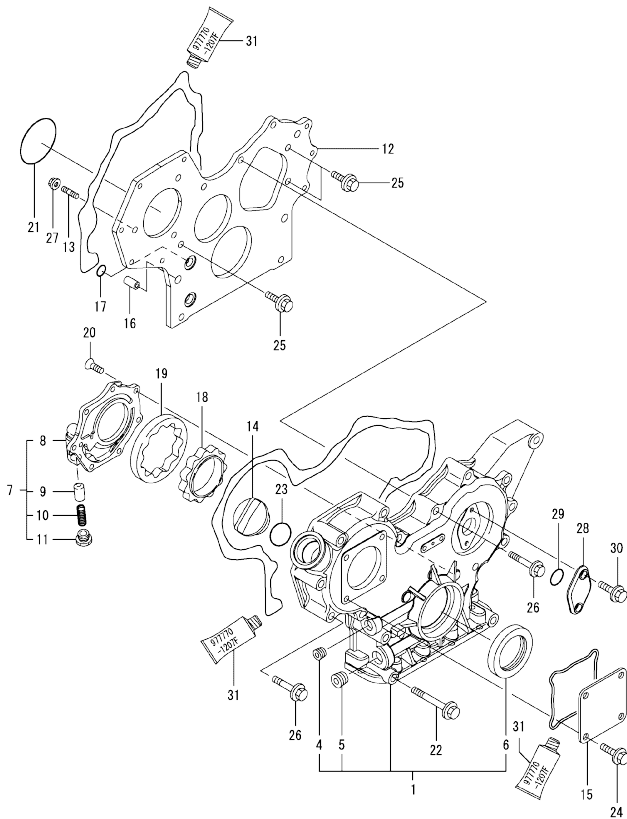
Fig.1. CYLINDER BLOCK



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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-01560	BLOCK ASSY, CYLINDER	1							
5	2	124060-01050	PLUG, PT1/8	1							
6	2	129001-01250	PLUG, 50	1							
7	2	124160-01910	PLUG, PT1/4	2							
8	2	124160-01910	PLUG, PT1/4	1							
9	2	171051-01921	PLUG, NPTF1	1							
10	2	129150-02020	BOLT, METAL CAP	8							
13	2	129795-02411	BUSH, CAMSHAFT	1							
14	2	27241-120000	PLUG, 12	2							
15	2	27241-300000	PLUG 30	6							
25	2	129001-02930	BEARING ASSY, MAIN	4							3
28	2	129150-02930	BEARING ASSY, THRUST	2							
31	1	129004-01190	SPACER	1							
32	1	129150-01200	BOLT, CYLINDER HEAD	14							
33	1	129001-01340	GASKET, HEAD	1							
34	1	129150-02870	METAL ASSY, MAIN .25	4							1
37	1	129150-02940	METAL ASSY, 0.25 OS	1							2

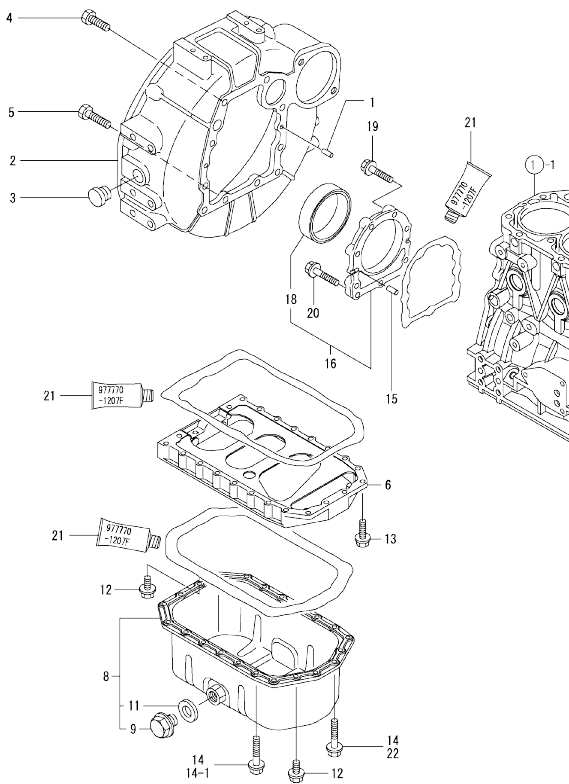
Fig.2. GEAR HOUSING



Remarks
(1)Optional parts.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-01500	CASE ASSY, GEAR	1							
4	2	23876-030000	PLUG, R03	1							
5	2	23876-040000	PLUG, R04	1							
6	2	129795-01800	SEAL, OIL	1							
7	1	119802-32100	COVER ASSY, PUMP	1							
8	2	119802-32070	COVER, OIL PUMP	1							
9	2	129900-32130	VALVE, RELIEF	1							
10	2	129418-32320	SPRING	1							
11	2	129001-32330	PLUG	1							
12	1	119802-01520	FLANGE, GEAR CASE	1							
13	1	119802-01561	STUD, M8X25	3							
14	1	124160-01751	CAP, FILLER	1							
15	1	124240-01871	COVER, HYDRAULIC PUMP	1							
16	1	129795-01950	PIPE, KNOCK L=18	2							
17	1	119609-32040	O-RING, P16	4							
18	1	119802-32111	ROTOR, INNER	1							
19	1	119802-32120	ROTOR, OUTER	1							
20	1	119802-32130	SCREW, M6X16	7							
21	1	121850-51960	O-RING, FUEL PUMP	1							
22	1	129001-91841	BOLT, M8X87	3							
23	1	24311-000320	O-RING, 1AP32.0	1							
24	1	26106-080162	BOLT, M8X 16 PLATED	4							
25	1	26106-080162	BOLT, M8X 16 PLATED	3							
26	1	26106-080552	BOLT, M8X 55 PLATED	12							
27	1	26306-080002	NUT, M8	3							
28	1	121023-01551	COVER, TACHOMETER	1							
29	1	24341-000240	O-RING, 1AS24.0	1							
30	1	26106-060162	BOLT, M6X 16 PLATED	2							
31	1	977770-1207F	GASKET, LIQUID	1							1

Fig.3. FLYWHEEL HOUSING & OIL SUMP



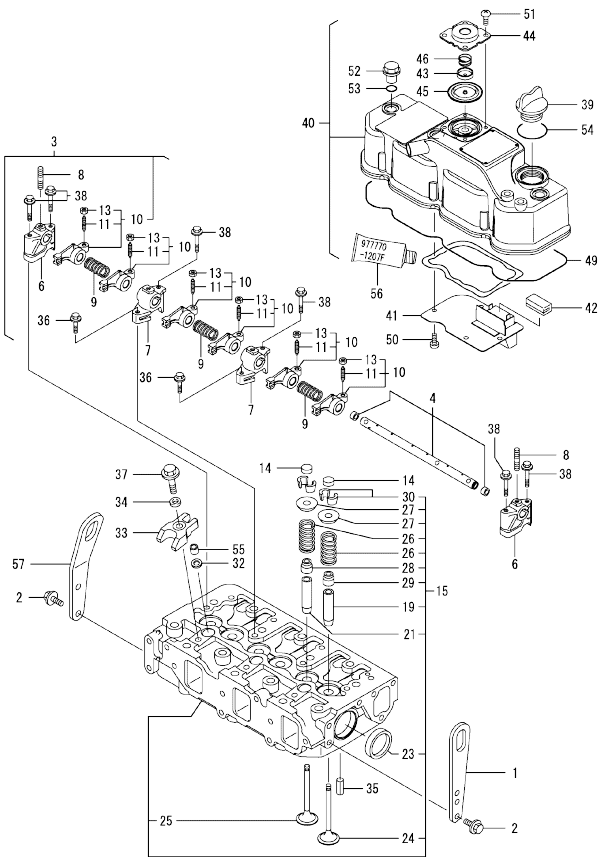
Remarks
(1)Optional parts.

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, PARALLEL 8X16	2							
2	1	171420-01600	HOUSING, FLYWHEEL	1							
3	1	119620-01750	CAP, WHEEL COVER	1							
4	1	26206-100252	BOLT, M10X 25 PLATED	6							
5	1	26206-100302	BOLT, M10X 30 PLATED	4							
6	1	129100-01730	SPACER, OIL PAN	1							
8	1	129100-01760	OIL PAN ASSY	1							
9	2	119640-01640	PLUG, DRAIN M22	1							
11	2	22190-220002	WASHER, SEAL 22	1							
12	1	26106-080162	BOLT, M8X 16 PLATED	4							
13	1	26106-080252	BOLT, M8X 25 PLATED	2							
14	1	26106-080452	BOLT, M8X 45 PLATED	20							
14-1	1	26106-080452	BOLT, M8X 45 PLATED	16							K
(A=FROM 1ST)											
15	1	129100-01580	PIN, PARALLEL 8X16	2							
16	1	129100-01640	CASE ASSY, OIL SEAL	1							
18	2	129795-01780	SEAL, OIL	1							
19	1	129486-01670	BOLT, M8X30	6							
20	1	26106-080352	BOLT, M8X 35 PLATED	3							
21	1	977770-1207F	GASKET,LIQUID	1							1
22	1	26106-080502	BOLT, M8X 50 PLATED	4							W
(A=FROM 1ST)											

Fig.4. CYLINDER HEAD & BONNET

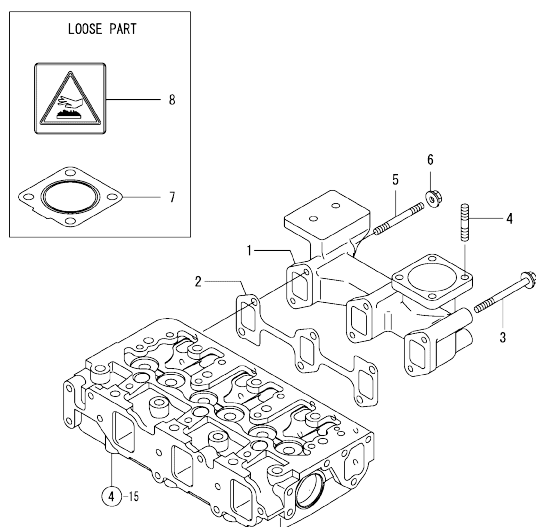


Remarks
(1)Spare parts.
(2)Optional parts.

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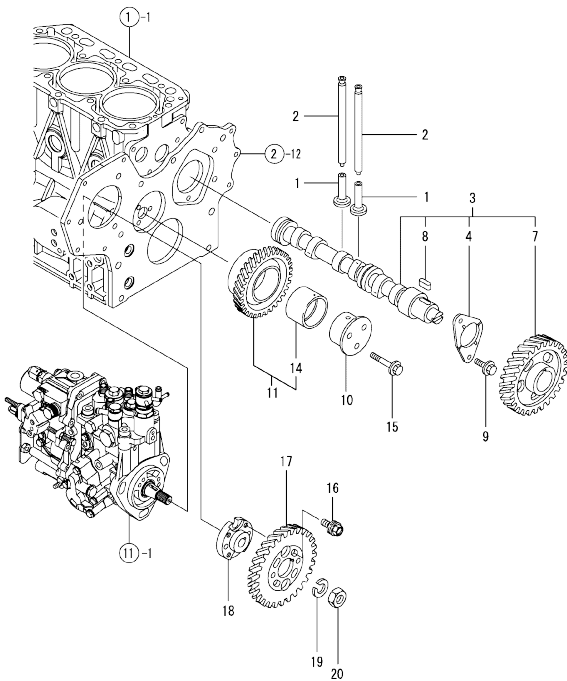
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER, ENGINE	1							
2	1	26106-080162	BOLT, M8X 16 PLATED	4							
3	1	129004-11241	SHAFT ASSY, ROCKER	1							
4	2	129004-11251	SHAFT, ROCKER ARM	1							
6	2	119802-11260	SUPPORT, ROCKER ARM	2							
7	2	119802-11270	SUPPORT, ROCKER ARM	2							
8	2	119802-11280	BOLT, STUD	3							
9	2	129150-11280	SPRING, SHAFT	3							
10	2	129004-11650	ARM ASSY, ROCKER	6							
11	3	129150-11230	SCREW, VALVE ADJUST	6							
13	3	129150-11750	NUT, M8XP1.0	6							
14	1	129150-11370	CAP, VALVE	6							
15	1	129004-11700	HEAD ASSY, CYLINDER	1							
19	2	120130-11860	GUIDE, VALVE	3							1
21	2	129150-11810	GUIDE, VALVE	3							1
23	2	27241-400000	PLUG, 40	2							
24	2	129004-11130	VALVE, INTAKE	3							
25	2	129100-11112	VALVE, EXHAUST	3							
26	2	129795-11120	SPRING, VALVE	6							
27	2	129795-11180	RETAINER, SPRING	6							
28	2	121400-11340	SEAL, VALVE STEM	3							
29	2	124460-11340	SEAL, VALVE STEM	3							
30	2	27310-080001	COTTER, 8	6							
32	1	119625-11880	SEAT, NOZZLE	3							
33	1	129004-11900	RETAINER, NOZZLE	3							
34	1	120270-54410	WASHER, INJECTOR	3							
35	1	22351-060012	PIN, SPRING 6.0X12	2							
36	1	26106-080252	BOLT, M8X 25 PLATED	2							
37	1	26106-080352	BOLT, M8X 35 PLATED	3							
38	1	26106-080502	BOLT, M8X 50 PLATED	6							
39	1	124160-01751	CAP, FILLER	1							
40	1	129004-11350	BONNET ASSY, HEAD	1							
41	2	129004-03010	PLATE, BAFFLE	1							
42	2	129150-03070	BAFFLE, BREATHER	1							
43	2	119802-03110	PLATE, DIAPHRAGM	1							
44	2	119802-03121	COVER, DIAPHRAGM	1							
45	2	119802-03130	DIAPHRAGM, BREATHER	1							
46	2	119802-03141	SPRING, DIAPHRAGM	1							
49	2	129004-11310	GASKET, BONNET	1							
50	2	22857-500100	SCREW, 5X10	4							
51	2	22857-500100	SCREW, 5X10	4							
52	1	124160-11360	KNOB, BONNET	3							
53	1	24311-000120	O-RING, 1AP12.0	3							
54	1	24311-000320	O-RING, 1AP32.0	1							
55	1	119802-11870	PROTECTOR, NOZZLE	3							
56	1	977770-1207F	GASKET, LIQUID	1							2
57	1	129930-07910	LIFTER, ENGINE	1							



				(A)=3TNV88-GGEP (B)= (C)=	OCR10-M64000 Fig.6					
No.	Lev.	Parts No.	Description	Q'ty						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	129004-13109	MANIFOLD, EXHAUST	1						
2	1	129150-13110	GASKET, MANIFOLD	1						
3	1	123900-13630	BOLT, M8X80	4						
4	1	119131-18320	STUD, M8X22	4						
5	1	123900-13610	STUD, M8X80	2						
6	1	26306-080002	NUT, M8	2						
7	1	129930-13201	GASKET, SILENCER	1						
8	1	144220-07130	LABEL, HOT SURFACE	1						W

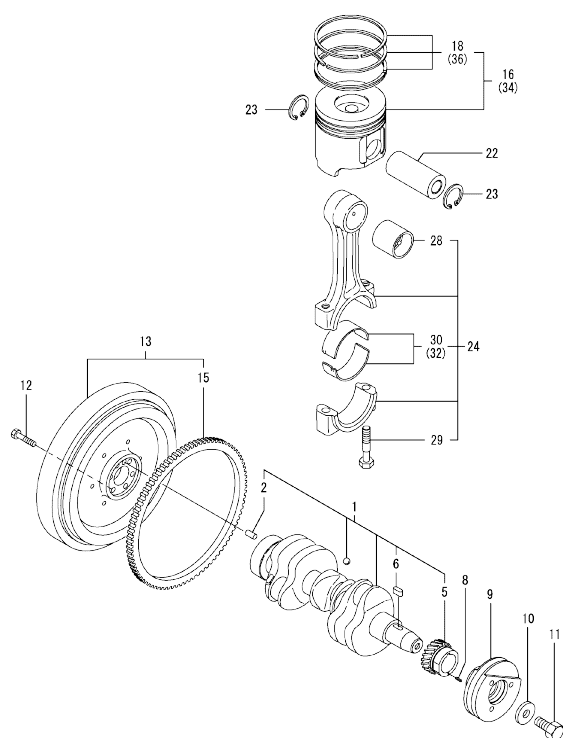
Fig.7. CAMSHAFT & DRIVING GEAR



Remarks
(1)Spare parts.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	6							
2	1	129150-14400	ROD, PUSH L=178	6							
3	1	129004-14580	CAMSHAFT ASSY	1							
4	2	129150-02450	METAL, THRUST	1							
7	2	129150-14101	GEAR, CAMSHAFT	1							
8	2	22512-070140	KEY, 7X 14	1							
9	1	26106-080142	BOLT, M8X 14 PLATED	2							
10	1	119802-25051	SHAFT, IDLE GEAR	1							
11	1	119802-25100	GEAR ASSY, IDLE	1							
14	2	119802-25070	BUSH, IDLE GEAR	1							1
15	1	26106-080402	BOLT, M8X 40 PLATED	3							
16	1	129150-25301	BOLT, INJECTION PUMP	4							
17	1	119802-25901	GEAR, PUMP	1							
18	1	158552-51151	FLANGE, CAMSHAFT	1							
19	1	22217-140000	WASHER, SPRING 14	1							
20	1	26776-140002	NUT, LOCK M14	1							

Fig.8. CRANKSHAFT & PISTON



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

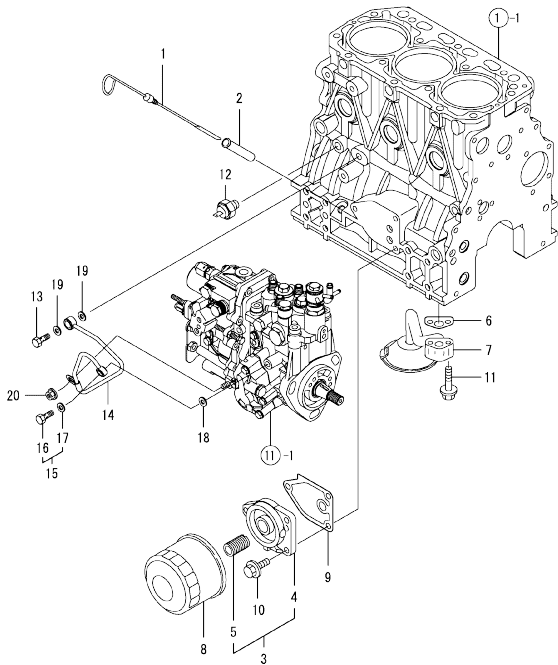
(D)=
(E)=

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

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129004-21002	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, PARALLEL 8X16	1							
5	2	119802-21202	GEAR, CRANKSHAFT	1							
6	2	22512-070140	KEY, 7X 14	1							
8	1	22351-030010	PIN, SPRING 3.0X10	1							
9	1	129005-21650	V-PULLEY, CRANKSHAFT	1							
10	1	129795-21661	WASHER, 14	1							
11	1	121850-21680	BOLT, V-PULLEY	1							
12	1	121111-21501	BOLT, FLYWHEEL	6							
13	1	171340-21590	FLYWHEEL ASSY	1							
15	2	124550-21600	GEAR, RING Z=127	1							
16	1	129005-22080	PISTON ASSY	3							
18	2	129005-22500	RING SET, PISTON	3							
22	1	129202-22300	PIN, PISTON D26 L70	3							
23	1	22252-000260	RING, 26	6							
24	1	729402-23100	ROD ASSY, CONNECTING	3							
28	2	129100-23910	METAL, PISTON PIN	3							1
29	2	121550-23200	BOLT, CONNECTING ROD	6							
30	2	129150-23600	BEARING, CRANK PIN	3							
32	1	129150-23610	METAL, CRANK PIN .25	3							2
34	1	129005-22900	PISTON ASSY, 0.25 OS	3							3
36	2	129005-22950	RING SET, PISTON .25	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

Fig.9. LUB. OIL SYSTEM



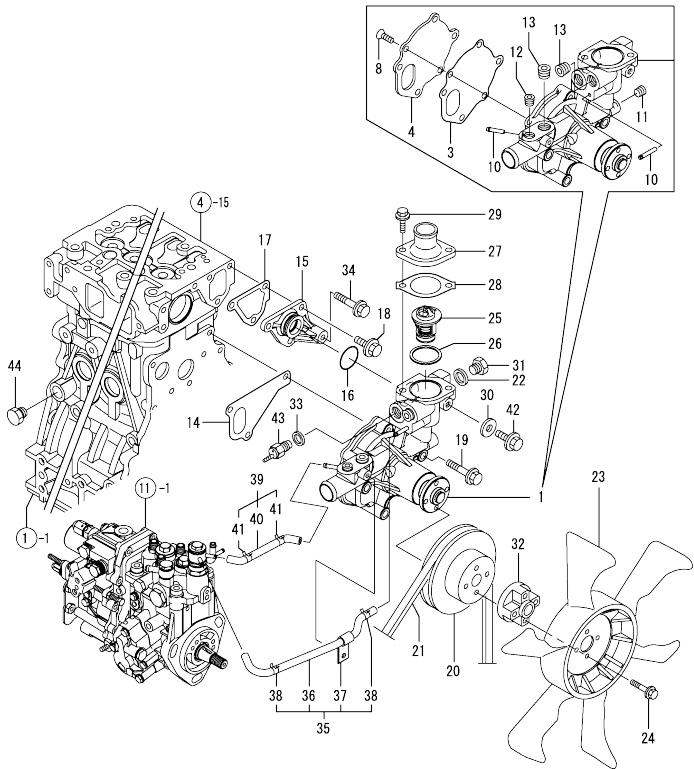
Remarks
(1)Spare parts.

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-34802	DIPSTICK, OIL	1							
2	1	121520-34810	GUIDE, DIPSTICK	1							
3	1	119802-35100	BRACKET ASSY, FILTER	1							
4	2	119802-35110	BRACKET, FILTER	1							
5	2	129100-35140	STUD	1							
6	1	129150-35042	GASKET, INLET PIPE	1							
7	1	129100-35301	PIPE ASSY, OIL INLET	1							
8	1	129150-35170	FILTER ASSY, D80X80L	1							
9	1	129150-35111	GASKET, BRACKET	1							
10	1	26106-080202	BOLT, M8X 20 PLATED	3							
11	1	26106-080352	BOLT, M8X 35 PLATED	2							
12	1	119761-39450	SWITCH, HYDRAULIC	1							
13	1	124160-39140	BOLT, PIPE JOINT M10	1							
14	1	119802-39450	PIPE ASSY, OIL	1							
15	1	129005-59830	BOLT ASSY, JOINT M8	1							
16	2	23857-030000	BOLT, JOINT 3	1							
17	2	22190-080002	WASHER, SEAL 8	1							
18	1	22190-080002	WASHER, SEAL 8	1							
19	1	22190-100002	WASHER, SEAL 10	2							
20	1	26366-060002	NUT, M6	1							

Fig.10. COOLING WATER SYSTEM

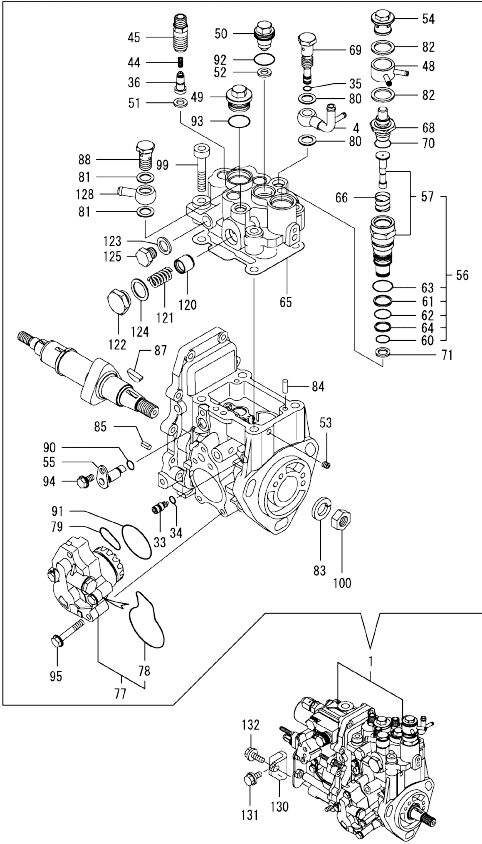


(A)=3TNV88-GGEP
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-42001	PUMP ASSY, WATER	1							
3	2	129100-42051	GASKET, WATER PUMP	1							
4	2	129100-42121	PLATE, PUMP	1							
8	2	121850-42410	SCREW	3							
10	2	119802-49113	JOINT, PIPE	2							
11	2	23876-010000	PLUG, R01	1							
12	2	23875-020000	PLUG, R02	1							
13	2	129916-49740	PLUG, R3/8	2							
14	1	129486-42021	GASKET, WATER PUMP	1							
15	1	129004-42040	JOINT, WATER PIPE	1							
16	1	129486-42140	O-RING, G30	1							
17	1	124395-49840	GASKET, THERMOSTAT	1							
18	1	26106-080162	BOLT, M8X 16 PLATED	3							
19	1	26106-080602	BOLT, M8X 60 PLATED	3							
20	1	129155-42350	V-PULLEY, PUMP	1							
21	1	119831-42290	V-BELT, A37.5	1							
22	1	124465-44950	GASKET, 16	1							
23	1	129030-44740	FAN, COOLING D360XUG	1							
24	1	26106-060302	BOLT, M6X 30 PLATED	4							
25	1	129155-49801	THERMOSTAT, 71C	1							
26	1	129150-49811	GASKET, THERMOSTAT	1							
27	1	129350-49530	COVER, THERMOSTAT	1							
28	1	129795-49551	GASKET, COVER	1							
29	1	26106-080222	BOLT, M8X 22 PLATED	2							
30	1	23414-080000	GASKET, 8X1.0	1							
31	1	121450-42450	PLUG, M16	1							
32	1	121267-44760	SPACER, FAN 18MM	1							
33	1	124465-44950	GASKET, 16	1							
34	1	26106-080452	BOLT, M8X 45 PLATED	1							
35	1	129004-49610	HOSE ASSY, WATER A	1							
36	2	129004-49711	HOSE, WATER A	1							
37	2	119802-49730	RETAINER, PIPE	1							
38	2	124722-59050	CLAMP, HOSE 9	2							
39	1	129004-49620	HOSE ASSY, WATER B	1							
40	2	129004-49721	HOSE, WATER B	1							
41	2	124722-59050	CLAMP, HOSE 9	2							
42	1	26106-080122	BOLT, M8X 12 PLATED	1							
43	1	121250-44901	SWITCH, TEMPERATURE	1							
44	1	171056-49120	PLUG, DRAIN R1/4	1							

Fig.11. FUEL INJECTION PUMP



Remarks
(1)Governor(Fig.12) is incorporated in this Fuel Injection Pump(No.1).

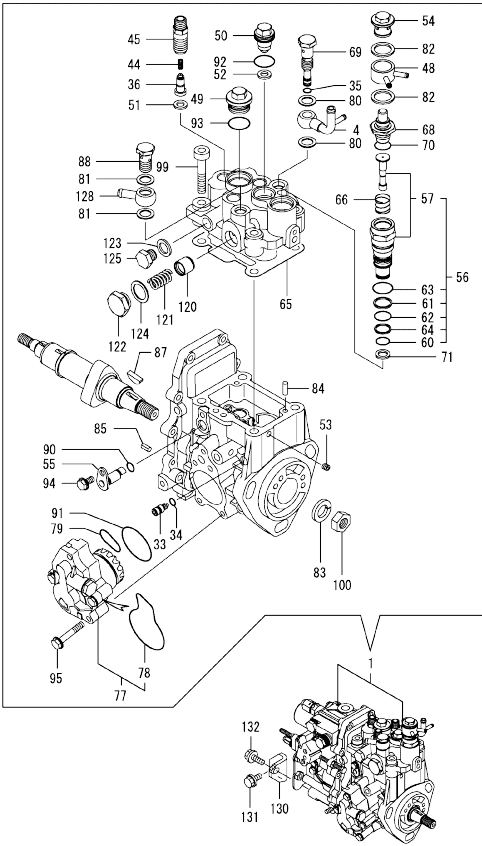
(A)=3TNV88-GGEP
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729247-51390	PUMP ASSY, INJECTION	1							1
4	2	158552-51670	JOINT, OVERFLOW	1							
33	2	158600-51270	STOPPER, TAPPET	1							
34	2	158563-51281	O-RING, 4D S6	1							
35	2	158563-51281	O-RING, 4D S6	1							
36	2	158560-51300	VALVE ASSY, DELIVERY	3							
44	2	158563-51330	SPRING, DELIVERY	3							
45	2	158601-51340	HOLDER, DELIVERY	3							
48	2	158553-51551	JOINT, COOLING WATER	1							
49	2	158601-51550	PLUG, M22	1							
50	2	119802-51560	PLUG, BARREL M14	1							
51	2	158552-51570	GASKET, BARREL PLUG	3							
52	2	158552-51570	GASKET, BARREL PLUG	1							
53	2	158557-51570	PLUG, RACK	1							
54	2	158601-51570	PLUG	1							
55	2	158552-51580	LIFTER, LINK	1							
56	2	119802-51590	TIMER ASSY	1							
57	3	119802-51600	TIMER ASSY	1							
60	3	158553-51670	O-RING, PUMP TIMER	1							
61	3	119802-51680	RING, BACKUP	1							
62	3	119802-51690	O-RING, 1016	1							
63	3	24356-010200	O-RING, 4D1020	1							
64	3	24372-000150	RING, BACK UP T2P15	1							
65	2	158552-51600	GASKET, HEAD	1							
66	2	158553-51630	SPRING, TIMER	1							
68	2	158553-51640	ELEMENT, THERMOSTAT	1							
69	2	158601-51650	JOINT, OVERFLOW	1							
70	2	158553-51660	O-RING, P14	1							
71	2	158553-51680	GASKET, TIMER	1							
77	2	158552-52100	PUMP ASSY, FUEL FEED	1							
78	3	158552-52500	O-RING, PUMP INNER	1							
79	2	158552-52310	O-RING, FEED PUMP	1							
80	2	22190-120002	WASHER, SEAL 12	2							
81	2	22190-120002	WASHER, SEAL 12	2							
82	2	22190-180002	WASHER, SEAL 18	2							
83	2	22217-140000	WASHER, SPRING 14	1							
84	2	22312-050140	PIN, PARALLEL 5X14	2							
85	2	22351-050010	PIN, SPRING 5.0X10	2							
87	2	119802-51090	KEY, FEATHER 4X16	1							
88	2	23857-060000	BOLT, JOINT 6	1							
90	2	24311-000070	O-RING, 1AP7.0	1							
91	2	158552-52400	O-RING, 4E S42	1							
92	2	24356-010180	O-RING, 4D1018	1							
93	2	24356-010200	O-RING, 4D1020	1							
94	2	26106-060102	BOLT, M6X 10 PLATED	1							
95	2	158553-51770	BOLT	4							
99	2	26450-080452	BOLT, M8X 45	4							
100	2	26776-140002	NUT, LOCK M14	1							
120	2	158601-51770	PISTON, ACCUMULATOR	1							
121	2	158552-51780	SPRING, ACCUMULATOR	1							
122	2	158601-51790	PLUG, ACCUMULATOR	1							

N:Old $\frac{100}{100}$ New, O:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Fig.11. FUEL INJECTION PUMP

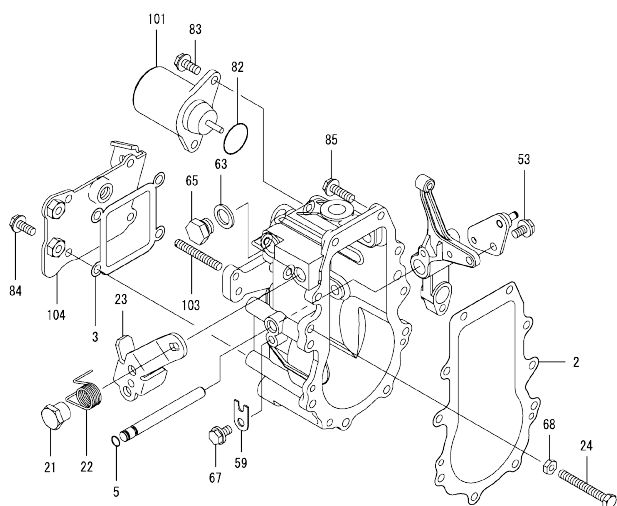


Remarks
(1)Governor(Fig.12) is incorporated in this Fuel Injection Pump(No.1).

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
123	2	22190-120002	WASHER, SEAL 12	1							
124	2	22190-180002	WASHER, SEAL 18	1							
125	2	23887-120002	PLUG, 12	1							
128	2	129916-59020	JOINT, PIPE 12	1							
130	1	119802-51250	RETAINER, FUEL PUMP	1							
131	1	26106-080162	BOLT, M8X 16 PLATED	1							
132	1	26106-080202	BOLT, M8X 20 PLATED	1							

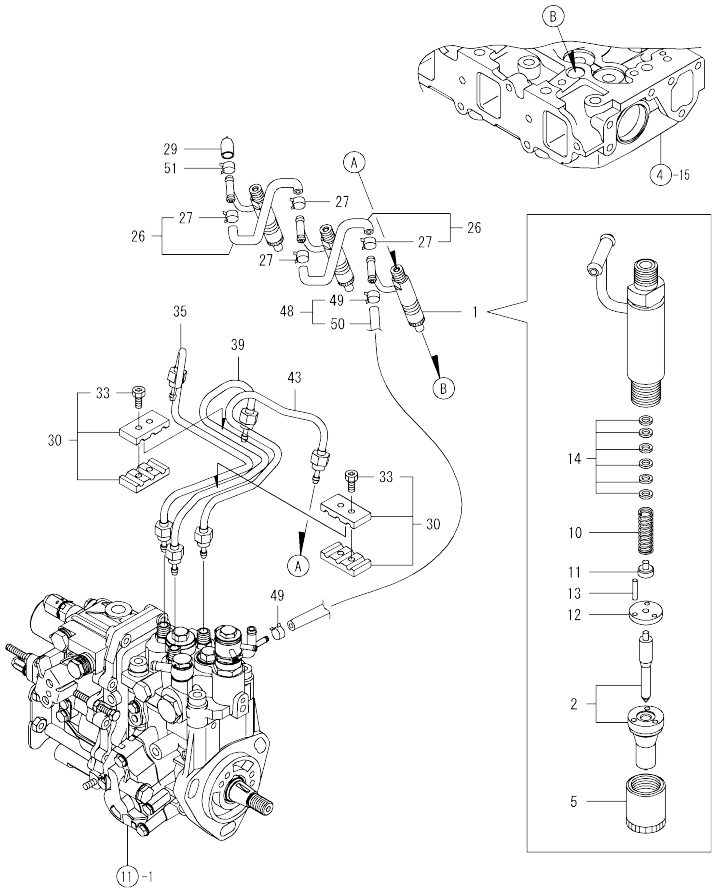


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	158553-61050	GASKET, CASE	1							
3	2	158553-61070	GASKET, CASE	1							
5	2	129155-51280	O-RING, S6	1							
21	2	129255-61410	NUT, CONTROL LEVER	1							
22	2	119807-61420	SPRING, RETURN	1							
23	2	129246-61441	LEVER, REGULATOR	1							
24	2	129155-61460	BOLT, IDLE LIMIT	1							
53	2	26106-060102	BOLT, M6X 10 PLATED	1							
59	2	119660-61901	STOPPER, SHAFT	1							
63	2	22190-120000	WASHER, SEAL 12	1							
65	2	23887-120002	PLUG, 12	1							
67	2	26106-060102	BOLT, M6X 10 PLATED	1							
68	2	26756-060002	NUT, LOCK M6	1							
82	2	24341-000280	O-RING, 1AS28.0	1							
82-1	2	158552-61900	O-RING	1							N
(A)=EXXXXX)											
83	2	26106-060142	BOLT, M6X 14 PLATED	2							
84	2	26106-060142	BOLT, M6X 14 PLATED	4							
85	2	26106-060202	BOLT, M6X 20 PLATED	10							
101	2	119653-77950	SOLENOID, STOP	1							
103	2	171002-66830	SCREW, ADJUSTOR 6	1							
104	2	129246-61061	COVER, GOVERNOR CASE	1							

* This figure(Governor) is incorporated in the Fuel Injection Pump(Fig.11).

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

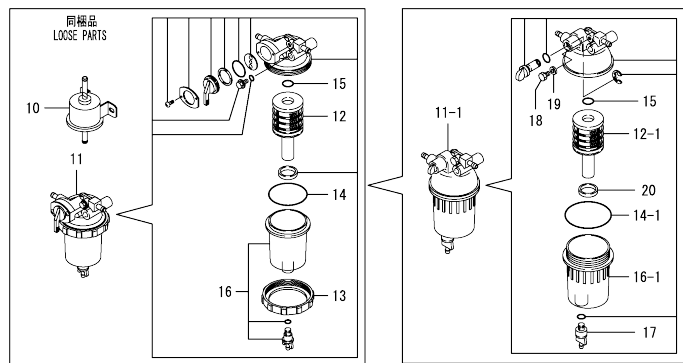
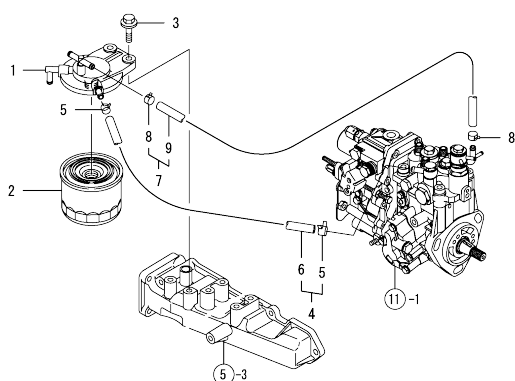
Fig.13. FUEL INJECTION VALVE



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

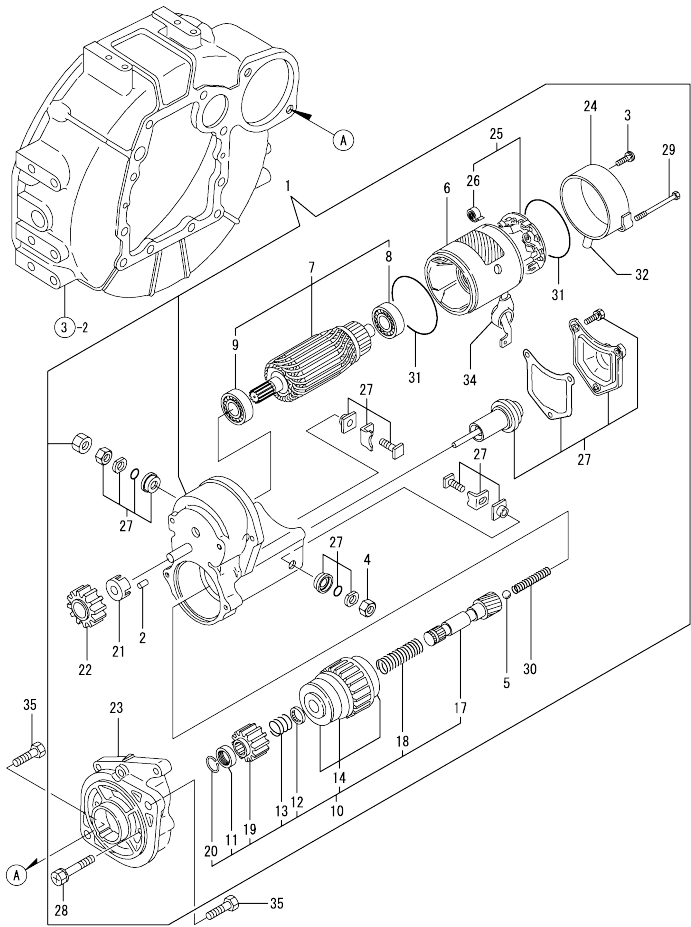
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729246-53101	VALVE ASSY,INJECTION	3							
2	2	129246-53001	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE	3							
10	2	114250-53120	SPRING, NOZZLE	3							
11	2	114250-53130	SEAT, SPRING	3							
12	2	114250-53140	SPACER, VALVE STOP	3							
13	2	114250-53210	PIN, POSITIONING	6							
14	2	114250-53400	SHIM SET	3							
26	1	129486-59551	HOSE ASSY, RETURN	2							
27	2	124722-59050	CLAMP, HOSE 9	4							
29	1	119593-59581	CAP, RETURN PIPE	1							
30	1	129150-59120	RETAINER, PIPE	2							
33	2	129150-59131	BOLT, M4X14	4							
35	1	129004-59811	PIPE ASSY, INJECTION	1							
39	1	129004-59821	PIPE ASSY, INJECTION	1							
43	1	129004-59831	PIPE ASSY, INJECTION	1							
48	1	119802-59550	HOSE ASSY, RETURN	1							
49	2	124722-59050	CLAMP, HOSE 9	2							
50	2	119802-59560	HOSE, FUEL RETURN	1							
51	1	124060-77680	CLAMP, HOSE 10	1							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-55611	BRACKET, FILTER	1							
2	1	119802-55800	FILTER, FUEL	1							
3	1	26106-080302	BOLT, M8X 30 PLATED	2							
4	1	129210-59230	HOSE ASSY, FUEL L205	1							
5	2	124766-59050	CLAMP, HOSE 11.5	2							
6	2	129555-59511	HOSE, FUEL	1							
7	1	129210-59100	HOSE ASSY, FUEL L300	1							
8	2	124766-59050	CLAMP, HOSE 11.5	2							
9	2	105025-59580	HOSE, FUEL	1							
10	1	119225-52102	PUMP, FUEL FEED	1							
11	1	119802-55700	SEPARATOR ASSY,WATER	1							
11-1	1	129242-55700	SEPARATOR ASSY,WATER	1							N
(A=*2008.08.)											
12	2	119802-55710	ELEMENT, FUEL	1							
12-1	2	129242-55730	ELEMENT, FUEL FILTER	1							S
(A=*2008.08.)											
13	2	129100-55690	NUT, RETAINING	1							Z
(A=*2008.08.)											
14	2	24321-000650	O-RING, 1AG65.0	1							
14-1	2	24321-000750	O-RING, 1AG75.0	1							S
(A=*2008.08.)											
15	2	24311-000160	O-RING, 1AP16.0	1							
16	2	119802-55730	CUP ASSY, SEPARATOR	1							W
(A=FROM 1ST)											
16-1	2	129242-55720	CUP, SEPARATOR	1							S
(A=*2008.08.)											
17	2	129242-55740	PLUG, DRAIN	1							W
(A=*2008.08.)											
18	2	129242-55750	VALVE, AIR VENT	1							W
(A=*2008.08.)											
19	2	129242-55760	GASKET, PLUG	1							W
(A=*2008.08.)											
20	2	129242-55770	FLOAT	1							W
(A=*2008.08.)											

Fig.15. STARTER MOTOR

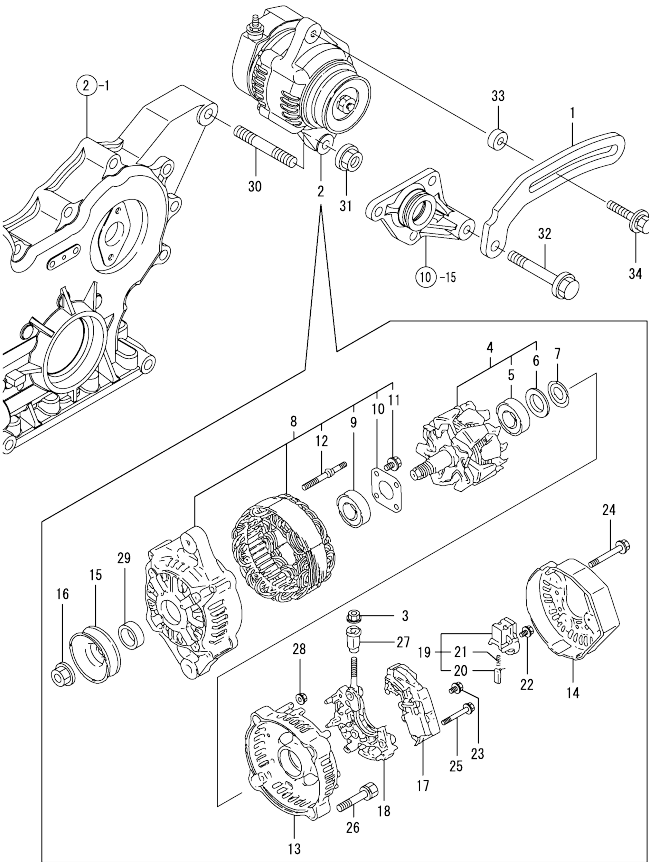


(A)=3TNV88-GGEP
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129129-77010	STARTER, RA1.2	1							
2	2	X0283060061	ROLLER	5							
3	2	129129-77460	SCREW	2							
4	2	X9490561370	NUT	1							
5	2	X9491200240	BALL, STEEL	1							
6	2	129129-77210	YOKE ASSY	1							
7	2	129129-77220	ARMATURE ASSY	1							
8	3	129129-77230	BEARING, BALL	1							
9	3	129129-77240	BEARING, BALL	1							
10	2	129129-77250	STARTER	1							
11	3	X0280210230	NUT, PINION STOP	1							
12	3	X0283270140	RETAINER, SNAP	1							
13	3	X9491703371	SPRING, COIL	1							
14	3	129129-77390	CLUTCH ASSY, STARTER	1							
17	3	129129-77400	SHAFT, STARTER	1							
18	3	129129-77410	SPRING, COIL	1							
19	3	129129-77420	PINION, STARTER	1							
20	3	129129-77430	RING, SNAP	1							
21	2	129129-77260	RETAINER	1							
22	2	129129-77270	PINION	1							
23	2	129129-77280	HOUSING, STARTOR	1							
24	2	129129-77290	FRAME, STARTER END	1							
25	2	129129-77300	HOLDER ASSY	1							
26	3	X9491730461	SPRING, BRUSH	4							
27	2	129129-77310	SWITCH ASSY, MAGNET	1							
28	2	129129-77320	BOLT, W/WASHER	2							
29	2	129129-77330	BOLT	2							
30	2	129129-77340	SPRING	1							
31	2	129129-77350	O-RING	2							
32	2	129129-77362	COVER	1							
34	2	129129-77380	CAP	1							
35	1	26116-120252	BOLT, M12X 25 PLATED	2							

OCR10-M64000 ENGINE
Fig.16. GENERATOR

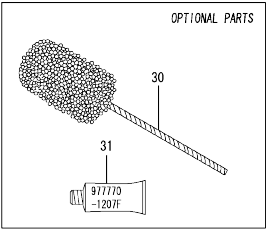
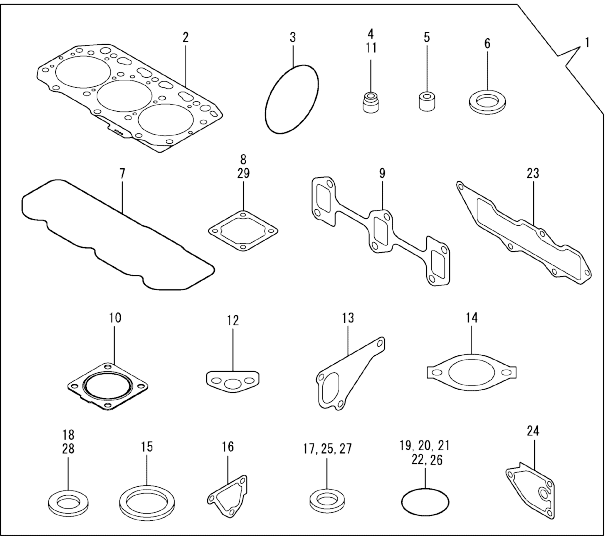


OCR10-M64000 Fig.16

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119940-77330	ADJUSTER, BELT	1							
2	1	129423-77200	GENERATOR, 12V-40A	1							
3	2	X9490561001	NUT	1							
4	2	119620-77380	ROTOR ASSY	1							
5	3	119620-79240	BEARING, BALL	1							
6	3	119620-79250	COVER, BEARING	1							
7	2	119620-79360	WASHER, THRUST	1							
8	2	119620-77421	FRAME ASSY, DRIVE	1							
9	3	119620-79200	BEARING, BALL	1							
10	3	119620-79210	PLATE, RETAINER	1							
11	3	119620-79220	SCREW	4							
12	3	119620-79230	STUD	2							
13	2	119620-77440	FRAME ASSY, REAR	1							
14	2	129240-79300	COVER	1							
15	2	119620-77461	PULLEY, GENERATOR	1							
16	2	119620-77471	NUT	1							
17	2	129423-77710	REGULATOR ASSY	1							
18	2	119620-79260	HOLDER ASSY	1							
19	2	119620-79270	HOLDER ASSY, BRUSH	1							
20	3	119620-77480	BRUSH ASSY, SUB	2							
21	3	119620-79280	SPRING	2							
22	2	119620-79290	SCREW	1							
23	2	119620-79300	SCREW	1							
24	2	119620-79310	BOLT	3							
25	2	119620-79320	SCREW, W/WASHER	2							
26	2	119620-79330	BOLT	2							
27	2	119620-79340	BUSH, INSULATION	1							
28	2	119620-79350	NUT	2							
29	2	119620-77490	COLLAR	1							
30	1	129795-01900	BOLT, M10X30	1							
31	1	26306-100002	NUT, M10	1							
32	1	26106-080452	BOLT, M8X 45 PLATED	1							
33	1	119940-77270	SPACER, GENERATOR	1							
34	1	129972-77341	BOLT, ADJUSTER L=50	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.17. GASKET SET



Remarks
(1)Optional parts.

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729150-92760	GASKET SET	1							1
2	2	129001-01340	GASKET, HEAD	1							
3	2	121850-51960	O-RING, FUEL PUMP	1							
4	2	124460-11340	SEAL, VALVE STEM	3							
5	2	119802-11870	PROTECTOR, NOZZLE	3							
6	2	119625-11880	SEAT, NOZZLE	3							
7	2	129004-11310	GASKET, BONNET	1							
8	2	129150-77511	GASKET, AIR HEATER	1							
9	2	129150-13110	GASKET, MANIFOLD	1							
10	2	129930-13201	GASKET, SILENCER	1							
11	2	121400-11340	SEAL, VALVE STEM	3							
12	2	129150-35042	GASKET, INLET PIPE	1							
13	2	129486-42021	GASKET, WATER PUMP	1							
14	2	129795-49551	GASKET, COVER	1							
15	2	129150-49811	GASKET, THERMOSTAT	1							
16	2	124395-49840	GASKET, THERMOSTAT	1							
17	2	22190-080002	WASHER, SEAL 8	2							
18	2	124465-44950	GASKET, 16	2							
19	2	24311-000120	O-RING, 1AP12.0	3							
20	2	24311-000320	O-RING, 1AP32.0	2							
21	2	24341-000240	O-RING, 1AS24.0	1							
22	2	129486-42140	O-RING, G30	1							
23	2	129001-12110	GASKET, MANIFOLD	1							
24	2	129150-35111	GASKET, BRACKET	1							
25	2	22190-220002	WASHER, SEAL 22	1							
26	2	119609-32040	O-RING, P16	4							
27	2	22190-100002	WASHER, SEAL 10	2							
28	2	23414-080000	GASKET, 8X1.0	1							
29	2	129100-77510	GASKET, AIR HEATER	1							
30	1	129400-92430	HONE, FLEX	1							1
31	1	977770-1207F	GASKET, LIQUID	1							1

Parts No. Index

Parts No.	Fig. No.	Ref. No.
105025-59580	14	9
114220-07130	6	8
114250-53080	13	5
114250-53120	13	10
114250-53130	13	11
114250-53140	13	12
114250-53210	13	13
114250-53400	13	14
119131-18320	6	4
119225-52102	14	10
119593-59581	13	29
119609-32040	2	17
	17	26
119620-01750	3	3
119620-77380	16	4
119620-77421	16	8
119620-77440	16	13
119620-77461	16	15
119620-77471	16	16
119620-77480	16	20
119620-77490	16	29
119620-79200	16	9
119620-79210	16	10
119620-79220	16	11
119620-79230	16	12
119620-79240	16	5
119620-79250	16	6
119620-79260	16	18
119620-79270	16	19
119620-79280	16	21
119620-79290	16	22
119620-79300	16	23
119620-79310	16	24
119620-79320	16	25
119620-79330	16	26
119620-79340	16	27
119620-79350	16	28
119620-79360	16	7
119625-11880	4	32
	17	6
119640-01640	3	9
119653-77950	12	101
119660-61901	12	59
119761-39450	9	12
119802-01520	2	12
119802-01561	2	13
119802-03110	4	43
119802-03121	4	44
119802-03130	4	45
119802-03141	4	46

Parts No.	Fig. No.	Ref. No.
119802-11260	4	6
119802-11270	4	7
119802-11280	4	8
119802-11870	4	55
	17	5
119802-21202	8	5
119802-25051	7	10
119802-25070	7	14
119802-25100	7	11
119802-25901	7	17
119802-32070	2	8
119802-32100	2	7
119802-32111	2	18
119802-32120	2	19
119802-32130	2	20
119802-35100	9	3
119802-35110	9	4
119802-39450	9	14
119802-49113	10	10
119802-49730	10	37
119802-51090	11	87
119802-51250	11	130
119802-51560	11	50
119802-51590	11	56
119802-51600	11	57
119802-51680	11	61
119802-51690	11	62
119802-55700	14	11
119802-55710	14	12
119802-55730	14	16
119802-55800	14	2
119802-59550	13	48
119802-59560	13	50
119807-61420	12	22
119831-42290	10	21
119940-77270	16	33
119940-77330	16	1
120130-11860	4	19
120270-54410	4	34
121023-01551	2	28
121111-21501	8	12
121250-44901	10	43
121267-44760	10	32
121400-11340	4	28
	17	11
121450-42450	10	31
121520-34810	9	2
121550-23200	8	29
121850-21680	8	11
121850-42410	10	8

Parts No.	Fig. No.	Ref. No.
121850-51960	2	21
	17	3
123900-13610	6	5
123900-13630	6	3
124060-01050	1	5
124060-77680	13	51
124160-01751	2	14
	4	39
124160-01910	1	7
		8
124160-11360	4	52
124160-39140	9	13
124240-01871	2	15
124395-49840	10	17
	17	16
124460-11340	4	29
	17	4
124465-44950	10	22
		33
	17	18
124550-21600	8	15
124722-59050	10	38
		41
	13	27
		49
124766-59050	14	5
		8
129001-01250	1	6
129001-01340	1	33
	17	2
129001-02930	1	25
129001-12110	5	5
	17	23
129001-32330	2	11
129001-91841	2	22
129004-01190	1	31
129004-03010	4	41
129004-03080	5	1
129004-11130	4	24
129004-11241	4	3
129004-11251	4	4
129004-11310	4	49
	17	7
129004-11350	4	40
129004-11650	4	10
129004-11700	4	15
129004-11900	4	33
129004-12100	5	3
129004-13109	6	1
129004-14580	7	3

Parts No.	Fig. No.	Ref. No.
129004-21002	8	1
129004-34802	9	1
129004-42001	10	1
129004-42040	10	15
129004-49610	10	35
129004-49620	10	39
129004-49711	10	36
129004-49721	10	40
129004-55611	14	1
129004-59811	13	35
129004-59821	13	39
129004-59831	13	43
129005-21650	8	9
129005-22080	8	16
129005-22500	8	18
129005-22900	8	34
129005-22950	8	36
129005-59830	9	15
129030-44740	10	23
129100-01580	3	1
		15
	8	2
129100-01640	3	16
129100-01730	3	6
129100-01760	3	8
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