

0CD50-M03390EN

P R E F A C E

This parts catalog is the 1st edition of 3TNV88-BPWN for Wacker Neuson.

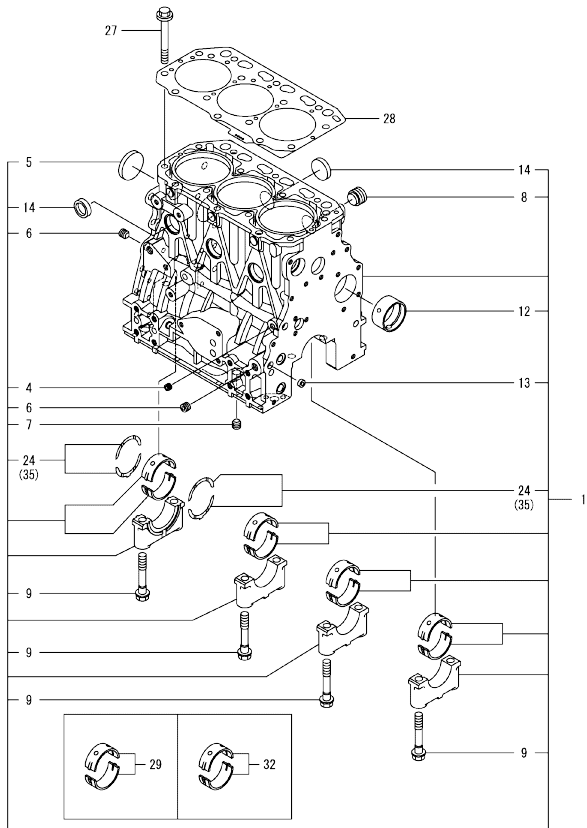
Published : September, 2017

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Fig.1. CYLINDER BLOCK



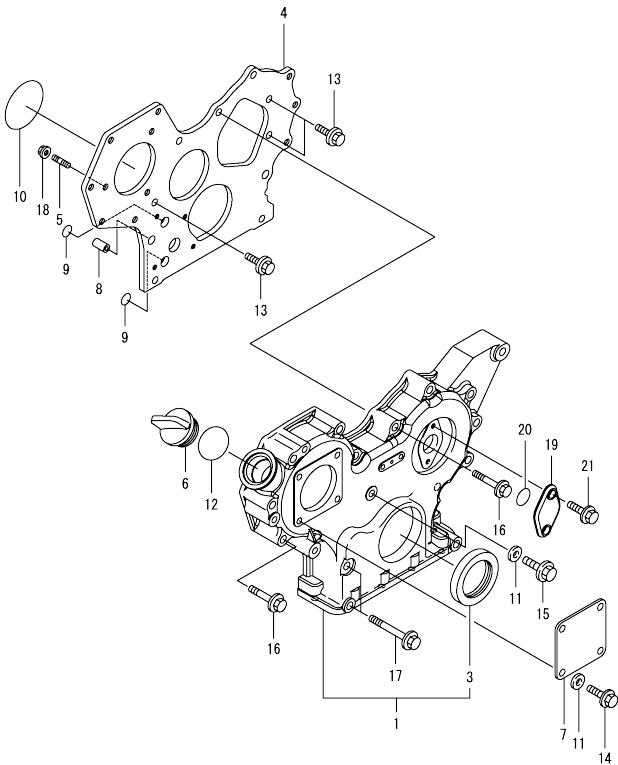
Remarks
(1)Spare parts.
(2)Under-sized(U.S.=0.25) parts.
(3)Over-sized(O.S.=0.25) parts.

(A)=3TNV88-BPWN
(B)=
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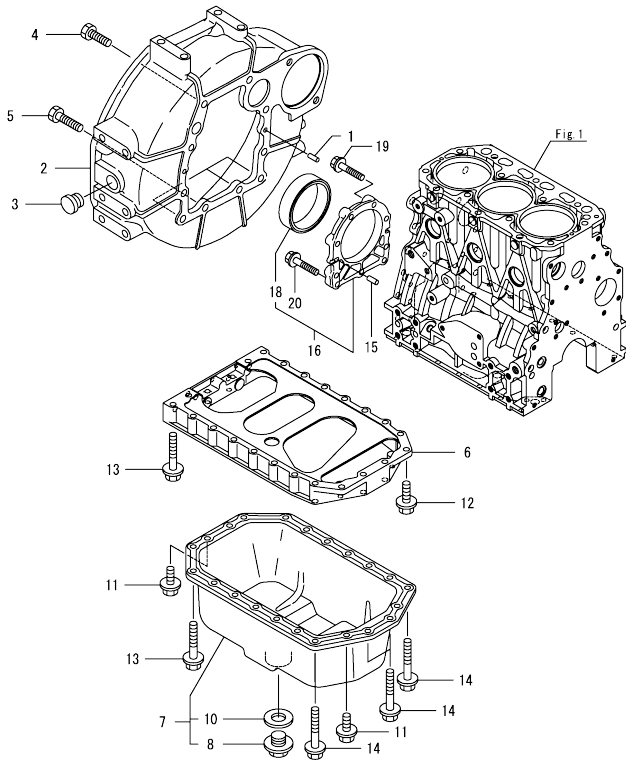
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-01560	BLOCK ASSY, CYLINDER	1							
4	2	124060-01050	PLUG, PT1/8	1							
5	2	129001-01250	PLUG, DISH TYPE 50	1							
6	2	124160-01910	PLUG, PT1/4	2							
7	2	124160-01910	PLUG, PT1/4	1							
8	2	171051-01921	PLUG, NPTF1	1							
9	2	129150-02020	BOLT, METAL CAP	8							
12	2	129795-02412	BUSH, CAMSHAFT	1							
13	2	27241-120000	PLUG, 12	2							
14	2	27241-300000	PLUG 30	6							
24	2	129150-02931	BEARING ASSY, THRUST	2							
27	1	129150-01200	BOLT, CYLINDER HEAD	14							
28	1	129001-01340	GASKET, HEAD	1							
29	1	129001-02931	BEARING ASSY, MAIN	4							1
32	1	129150-02871	BEARING ASSY, MAIN	4							2
35	1	129150-02941	BEARING, THRUST 0.25	1							3

Fig.2. GEAR HOUSING



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719803-01500	CASE ASSY, GEAR	1							
3	2	119934-01800	SEAL, OIL	1							
4	1	119803-01520	FLANGE, GEAR CASE	1							
5	1	119802-01561	BOLT, STUD M8X25	3							
6	1	124160-01751	CAP, FILLER	1							
7	1	124240-01871	COVER, PUMP	1							
8	1	129795-01950	PIPE, DOWEL L=18	2							
9	1	119609-32040	O-RING, P16	2							
10	1	121850-51960	O-RING	1							
11	1	22190-080002	WASHER, SEAL 8	5							
12	1	24311-000320	O-RING, 1AP32.0	1							
13	1	26106-080162	BOLT, M8X 16 PLATED	3							
14	1	26106-080162	BOLT, M8X 16 PLATED	4							
15	1	26106-080302	BOLT, M8X 30 PLATED	1							
16	1	26106-080552	BOLT, M8X 55 PLATED	12							
17	1	26106-080852	BOLT, M8X 85 PLATED	3							
18	1	26306-080002	NUT, M8	3							
19	1	121023-01551	COVER	1							
20	1	24341-000240	O-RING, 1AS24.0	1							
21	1	26106-060162	BOLT, M6X 16 PLATED	2							

Fig.3. FLYWHEEL HOUSING & OIL SUMP

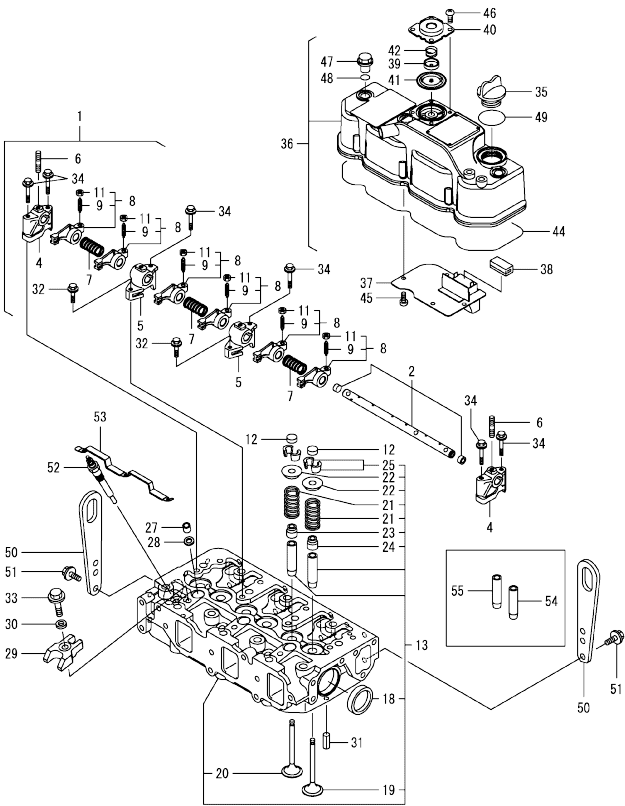


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No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, PARALLEL 8X16	2							
2	1	129612-01600	HOUSING, FLYWHEEL	1							
3	1	119620-01750	CAP	1							
4	1	26206-100252	BOLT, M10X 25 PLATED	6							
5	1	26206-100302	BOLT, M10X 30 PLATED	4							
6	1	129100-01730	SPACER, OIL-PAN	1							
7	1	129136-01780	OIL PAN ASSY	1							
8	2	119640-01640	PLUG, DRAIN M22	1							
10	2	22190-220002	WASHER, SEAL 22	1							
11	1	26106-080162	BOLT, M8X 16 PLATED	4							
12	1	26106-080252	BOLT, M8X 25 PLATED	2							
13	1	26106-080452	BOLT, M8X 45 PLATED	16							
14	1	26106-080502	BOLT, M8X 50 PLATED	4							
15	1	129100-01580	PIN, PARALLEL 8X16	2							
16	1	129648-01600	CASE ASSY, OIL SEAL	1							
18	2	129648-01780	SEAL, OIL	1							
19	1	129486-01670	BOLT, M8X30	6							
20	1	26106-080352	BOLT, M8X 35 PLATED	3							

Fig.4. CYLINDER HEAD & BONNET



Remarks
(1)Spare parts.

(A)=3TNV88-BPWN
(B)=
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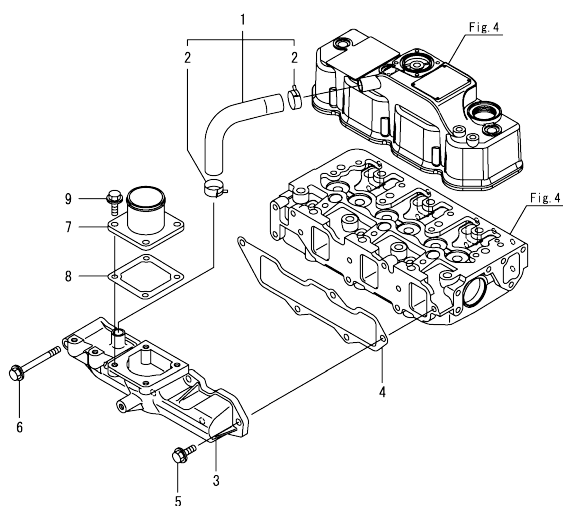
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-11241	SHAFT ASSY, ROCKER	1							
2	2	129004-11251	SHAFT, ROCKER ARM	1							
4	2	119802-11260	SUPPORT, ROCKER ARM	2							
5	2	119802-11270	SUPPORT, ROCKER ARM	2							
6	2	119802-11280	BOLT, STUD	3							
7	2	129150-11280	SPRING, ROCKER	3							
8	2	129004-11650	ARM ASSY, ROCKER	6							
9	3	129150-11230	SCREW, VALVE ADJUST	6							
11	3	129150-11750	NUT, M8	6							
12	1	129150-11370	CAP, VALVE	6							
13	1	129008-11700	HEAD ASSY, CYLINDER	1							
18	2	27241-400000	PLUG, 40	2							
19	2	129005-11100	VALVE, SUCTION	3							
20	2	129100-11112	VALVE, EXHAUST	3							
21	2	129795-11120	SPRING, VALVE	6							
22	2	129795-11180	RETAINER, SPRING	6							
23	2	121400-11340	SEAL, VALVE STEM	3							
24	2	124460-11340	SEAL, VALVE STEM	3							
25	2	27310-080001	COTTER, 8	6							
27	1	119802-11870	PROTECTOR, NOZZLE	3							
28	1	119625-11880	SEAT, NOZZLE	3							
29	1	129004-11900	RETAINER, NOZZLE	3							
30	1	120270-54410	WASHER, INJECTOR	3							
31	1	22351-060012	PIN, SPRING 6.0X12	2							
32	1	26106-080252	BOLT, M8X 25 PLATED	2							
33	1	26106-080352	BOLT, M8X 35 PLATED	3							
34	1	26106-080502	BOLT, M8X 50 PLATED	6							
35	1	124160-01751	CAP, FILLER	1							
36	1	129004-11350	BONNET ASSY, HEAD	1							
36-1	1	129236-11350	BONNET ASSY	1							N
(A=E153241)											
37	2	129004-03010	PLATE, BAFFLE	1							
38	2	129150-03070	BAFFLE, BREATHER	1							
39	2	119802-03110	PLATE, DIAPHRAGM	1							
40	2	119802-03121	COVER, DIAPHRAGM	1							
40-1	2	129236-03120	COVER, DIAPHRAGM	1							N
(A=E153241)											
41	2	119802-03130	DIAPHRAGM	1							
42	2	119802-03141	SPRING, DIAPHRAGM	1							
44	2	129004-11310	GASKET, BONNET	1							
45	2	22857-500100	SCREW, 5X10	4							
46	2	22857-500100	SCREW, 5X10	4							
47	1	124160-11360	KNOB	3							
48	1	24311-000120	O-RING, 1AP12.0	3							
49	1	24311-000320	O-RING, 1AP32.0	1							
50	1	129900-07900	LIFTER, ENGINE	2							
51	1	26106-080162	BOLT, M8X 16 PLATED	4							
52	1	129008-77800	PLUG, GLOW	3							
53	1	129008-77820	CONNECTOR, GLOW PLUG	1							
54	1	120130-11860	GUIDE, VALVE	3							1
55	1	129150-11810	GUIDE, VALVE	3							1

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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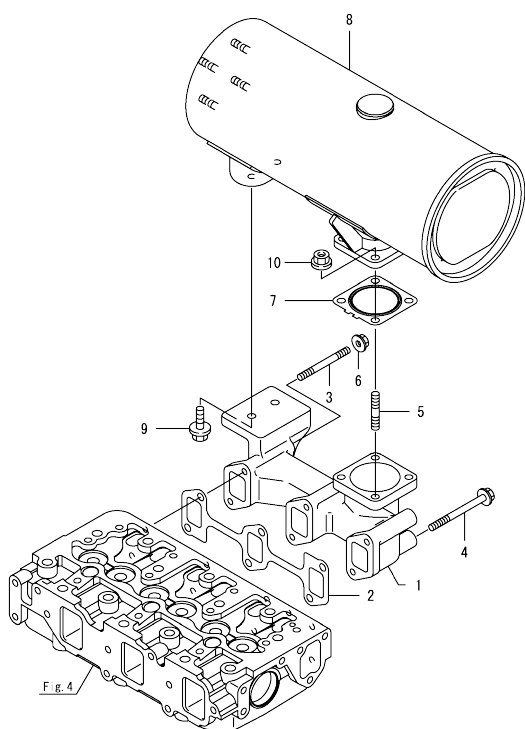
Fig.5. SUCTION MANIFOLD

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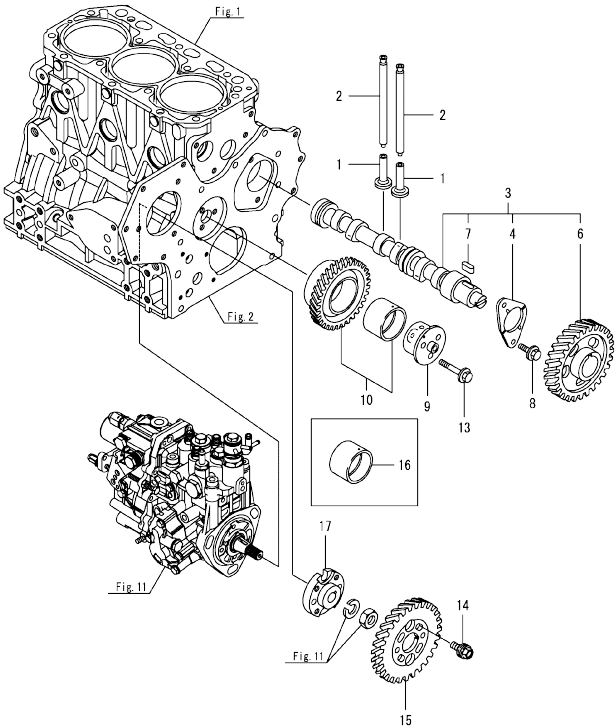
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N:Old ^{Yes}/_{No} New. Q:Old ^{No}/_{Yes} New. R:Old ^{Yes}/_{Yes} New. S:Old ^{No}/_{No} New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change



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Fig.7. CAMSHAFT & DRIVING GEAR



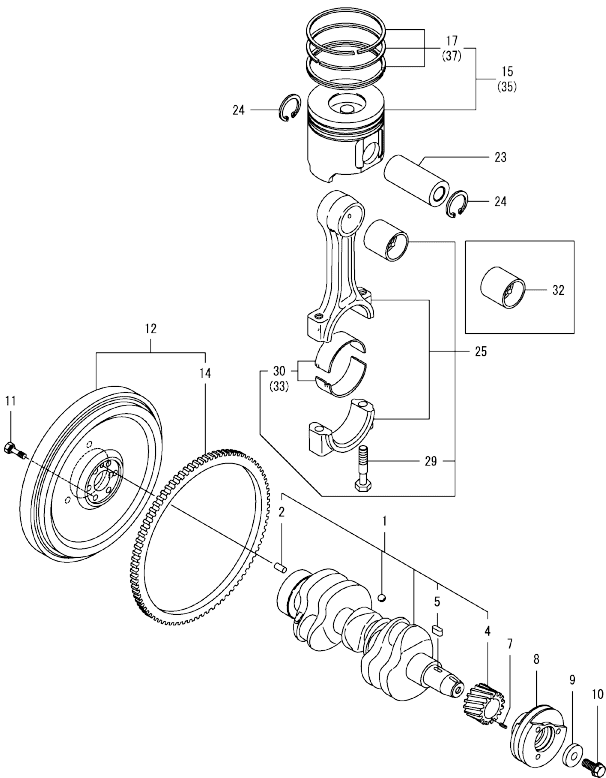
(A)=3TNV88-BPWN
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(D)=
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(F)=

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	PUSH-ROD, L=178	6							
3	1	129129-14580	CAMSHAFT ASSY	1							
4	2	129150-02450	BEARING, THRUST	1							
6	2	129150-14101	GEAR, CAMSHAFT	1							
7	2	22512-070140	KEY, 7X 14	1							
8	1	26106-080142	BOLT, M8X 14 PLATED	2							
9	1	119803-25050	SHAFT, IDLE	1							
10	1	119802-25101	GEAR ASSY, IDLE	1							
13	1	26106-080402	BOLT, M8X 40 PLATED	3							
14	1	129150-25301	BOLT	4							
15	1	119802-25901	GEAR, PUMP	1							
16	1	119802-25071	BUSH, IDLE GEAR	1							1
17	1	158552-51151	FLANGE	1							

Remarks
(1)Spare parts.

Fig.8. CRANKSHAFT & PISTON



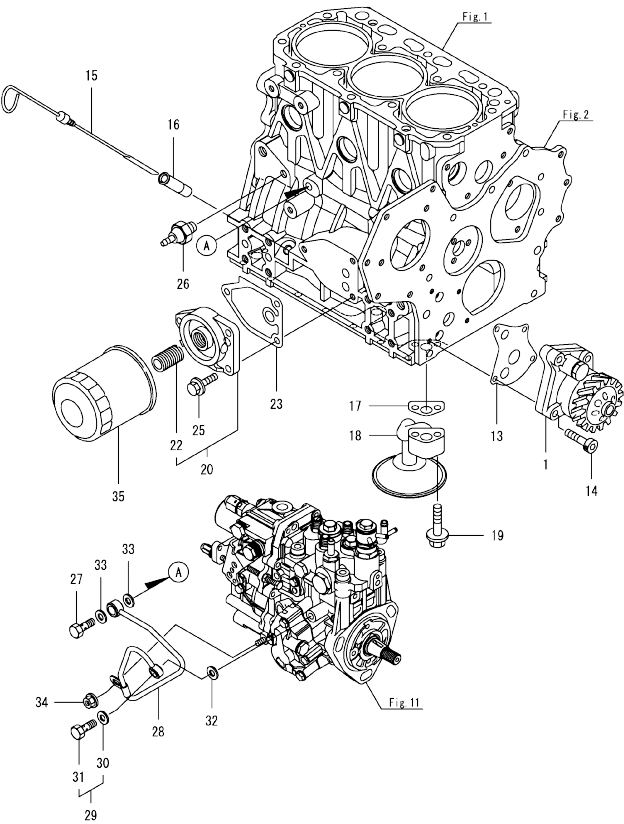
Remarks
(1)Spare parts.
(2)Under-sized(U.S.=0.25) parts.
(3)Over-sized(O.S.=0.25) parts.

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129008-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, PARALLEL 8X16	1							
4	2	119803-21200	GEAR, CRANKSHAFT	1							
5	2	22512-070140	KEY, 7X 14	1							
7	1	22351-030010	PIN, SPRING 3.0X10	1							
8	1	129004-21650	V-PULLEY, CRANK 110	1							
9	1	129795-21661	WASHER	1							
10	1	121850-21680	BOLT	1							
11	1	121111-21501	BOLT, FLYWHEEL	6							
12	1	129030-21590	FLYWHEEL ASSY	1							
14	2	119865-21600	GEAR, RING Z=116	1							
15	1	129005-22080	PISTON ASSY	3							
17	2	129005-22500	RING SET, PISTON	3							
23	1	129202-22300	PIN, PISTON D26 L70	3							
24	1	22252-000260	RING, 26	6							
25	1	729402-23100	ROD ASSY, CONNECTING	3							
29	2	121550-23200	BOLT, CONNECTING ROD	6							
30	2	129150-23601	BEARING, CRANK PIN	3							
32	1	129100-23910	BEARING, PISTON PIN	3							1
33	1	129150-23611	BEARING, 0.25 US	3							2
35	1	129005-22900	PISTON ASSY, 0.25 OS	3							3
37	2	129005-22950	RING SET, 0.25 OS	3							3

Fig.9. LUB. OIL SYSTEM



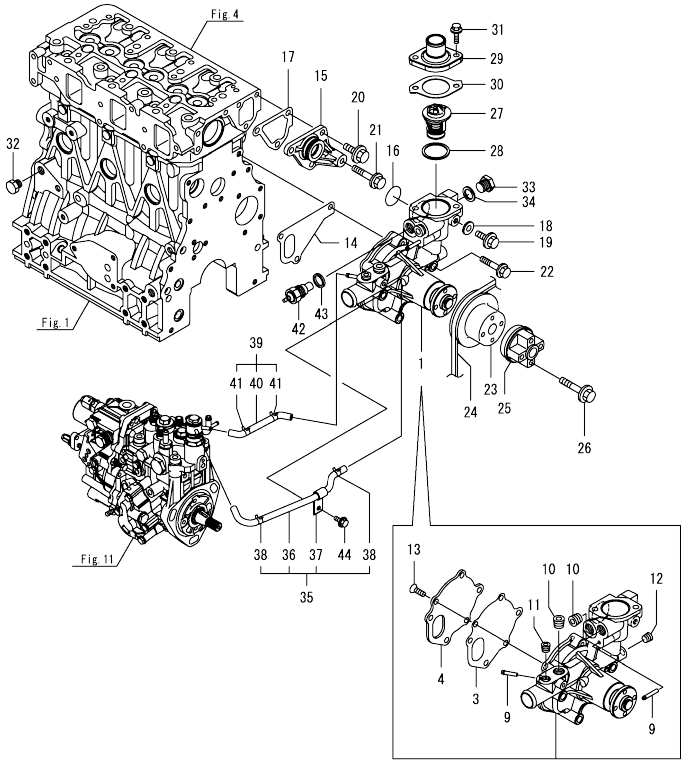
Remarks
(1)Spare parts.

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129001-32002	PUMP ASSY, OIL	1							
13	1	129150-32020	GASKET, PUMP	1							
14	1	26450-060252	BOLT, M6X 25	4							
15	1	129004-34802	DIPSTICK	1							
16	1	121520-34810	GUIDE, DIPSTICK	1							
17	1	129150-35042	GASKET	1							
18	1	129100-35301	PIPE ASSY, OIL INLET	1							
19	1	26106-080352	BOLT, M8X 35 PLATED	2							
20	1	119802-35100	BRACKET ASSY, FILTER	1							
22	2	129100-35140	BOLT, STUD	1							
23	1	129150-35111	GASKET	1							
25	1	26106-080202	BOLT, M8X 20 PLATED	3							
26	1	121252-39450	SWITCH, HYDRAULIC	1							
27	1	124160-39140	BOLT, PIPE JOINT M10	1							
28	1	119802-39450	PIPE ASSY, OIL	1							
29	1	129005-59830	BOLT ASSY, JOINT M8	1							
30	2	22190-080002	WASHER, SEAL 8	1							
31	2	23857-030000	BOLT, JOINT 3	1							
32	1	22190-080002	WASHER, SEAL 8	1							
33	1	22190-100002	WASHER, SEAL 10	2							
34	1	26366-060002	NUT, M6	1							
35	1	119005-35151	FILTER, D80X100	1							1

Fig.10. COOLING WATER SYSTEM

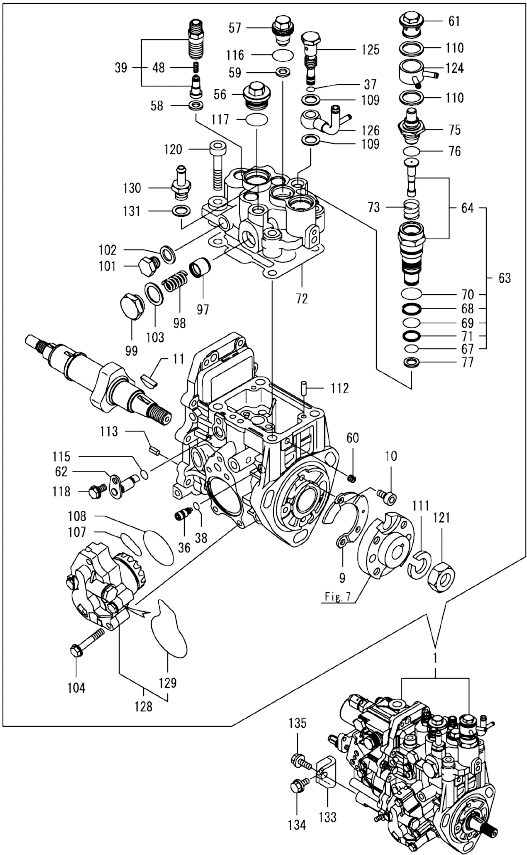


(A)=3TNV88-BPWN
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No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-42001	PUMP ASSY, WATER	1							
3	2	129100-42051	GASKET, WATER PUMP	1							
4	2	129100-42121	PLATE, PUMP	1							
9	2	119802-49113	JOINT, PIPE	2							
10	2	129916-49740	PLUG, R3/8	2							
11	2	23875-020000	PLUG, R02	1							
12	2	23876-010000	PLUG, R01	1							
13	2	26577-060142	SCREW M 6X 14	3							
14	1	129486-42021	GASKET, WATER PUMP	1							
15	1	129004-42040	JOINT	1							
16	1	129486-42140	O-RING, G30	1							
17	1	124395-49840	GASKET, THERMOSTAT	1							
18	1	23414-080000	GASKET, 8X1.0	1							
19	1	26106-080122	BOLT, M8X 12 PLATED	1							
20	1	26106-080162	BOLT, M8X 16 PLATED	3							
21	1	26106-080452	BOLT, M8X 45 PLATED	1							
22	1	26106-080602	BOLT, M8X 60 PLATED	3							
23	1	129403-42380	V-PULLEY, D=110	1							
24	1	25152-003800	V-BELT, A38	1							
25	1	129030-44760	SPACER, FAN L38.5	1							
26	1	26106-060602	BOLT, M6X 60 PLATED	4							
27	1	129457-49801	THERMOSTAT, 82	1							
28	1	129150-49811	GASKET, THERMOSTAT	1							
29	1	129350-49530	COVER, THERMOSTAT	1							
30	1	129795-49551	GASKET	1							
31	1	26106-080222	BOLT, M8X 22 PLATED	2							
32	1	119620-49290	COCK ASSY, 1/4	1							
33	1	121450-42450	PLUG, M16	1							
34	1	124465-44950	GASKET, 16	1							
35	1	129004-49610	HOSE ASSY, WATER	1							
36	2	129004-49711	HOSE, WATER	1							
37	2	119802-49730	RETAINER, PIPE	1							
38	2	124722-59050	CLAMP, HOSE 9	2							
39	1	129004-49620	HOSE ASSY, WATER	1							
40	2	129004-49721	HOSE, WATER	1							
41	2	124722-59050	CLAMP, HOSE 9	2							
42	1	124250-49351	SENSOR, WATER TEMP.	1							
43	1	129150-49360	GASKET	1							
44	1	26106-060122	BOLT, M6X 12 PLATED	1							

Fig.11. FUEL INJECTION PUMP



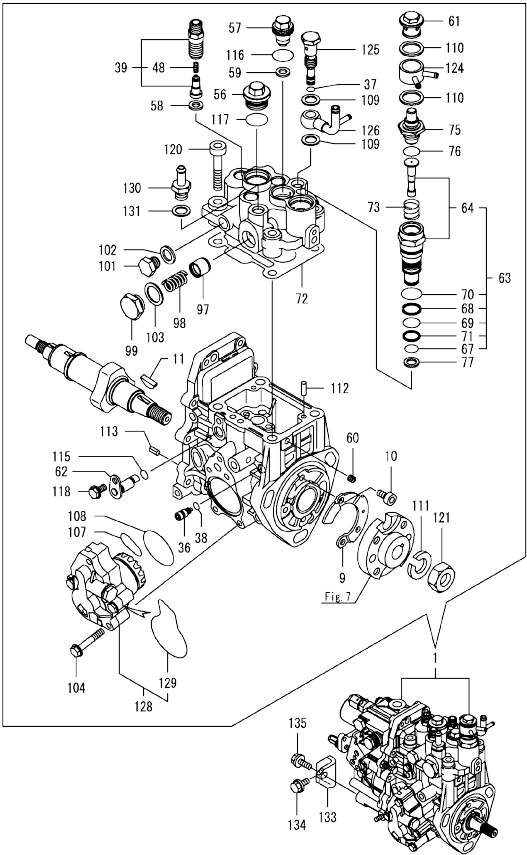
Remarks
(1)Governor(Fig.12) is incorporated in this Fuel Injection Pump(No.1).

(A)=3TNV88-BPWN
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729252-51320	FIE ASSY	1							1
9	2	129008-51900	COVER, PUMP	1							
10	2	129008-51920	BOLT, SOCKET M6X10	2							
11	2	119802-51090	FEATHER KEY, 4X16	1							
36	2	158600-51270	STOPPER, TAPPET	1							
37	2	158563-51281	O-RING, 4D S6	1							
38	2	158563-51281	O-RING, 4D S6	1							
39	2	129008-51390	VALVE ASSY, DELIVERY	3							
48	3	158563-51330	SPRING, DELIVERY	3							
56	2	158601-51550	PLUG, M22	1							
57	2	119802-51560	PLUG, M14	1							
58	2	158552-51571	GASKET, PLUG	3							
59	2	158552-51571	GASKET, PLUG	1							
60	2	158557-51570	PLUG, RACK	1							
61	2	158601-51570	PLUG	1							
62	2	158552-51580	LIFTER, LINK	1							
63	2	119802-51590	TIMER ASSY	1							
64	3	119802-51600	TIMER ASSY	1							
67	3	158553-51670	O-RING	1							
68	3	119802-51680	RING, BACKUP	1							
69	3	119802-51690	O-RING	1							
70	3	24356-190200	O-RING, 4D19020	1							
71	3	24372-000150	RING, BACK UP T2P15	1							
72	2	158552-51600	GASKET	1							
73	2	158553-51630	SPRING, TIMER	1							
75	2	158553-51650	THERMOELEMENT	1							
76	2	158553-51660	O-RING, P14	1							
77	2	158553-51680	GASKET, TIMER	1							
97	2	158601-51770	PISTON, ACCUMULATOR	1							
98	2	158552-51781	SPRING, ACCUMULATOR	1							
99	2	158601-51790	PLUG	1							
101	2	158553-51930	PLUG, M12	1							
102	2	22190-120002	WASHER, SEAL 12	1							
103	2	22190-180002	WASHER, SEAL 18	1							
104	2	158553-51770	BOLT	4							
107	2	158552-52311	O-RING	1							
108	2	158552-52400	O-RING, 4E S42	1							
109	2	22190-120002	WASHER, SEAL 12	2							
110	2	22190-180002	WASHER, SEAL 18	2							
111	2	22217-140000	WASHER, SPRING 14	1							
112	2	22312-050140	PIN, PARALLEL 5X14	2							
113	2	22351-050010	PIN, SPRING 5.0X10	2							
115	2	24311-000070	O-RING, 1AP7.0	1							
116	2	24356-190180	O-RING, 4D19018	1							
117	2	24356-190200	O-RING, 4D19020	1							
118	2	26106-060102	BOLT, M6X 10 PLATED	1							
120	2	26450-080452	BOLT, M8X 45	4							
121	2	26776-140002	NUT, LOCK M14	1							
124	2	158553-51551	JOINT, COOLING WATER	1							
125	2	158601-51650	JOINT, OVER FLOW	1							
126	2	158552-51670	JOINT, OVER FLOW	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 ++ Copyright (C) 2017 YANMAR GLOBAL CS CO., LTD. All Rights Reserved.

Fig.11. FUEL INJECTION PUMP



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

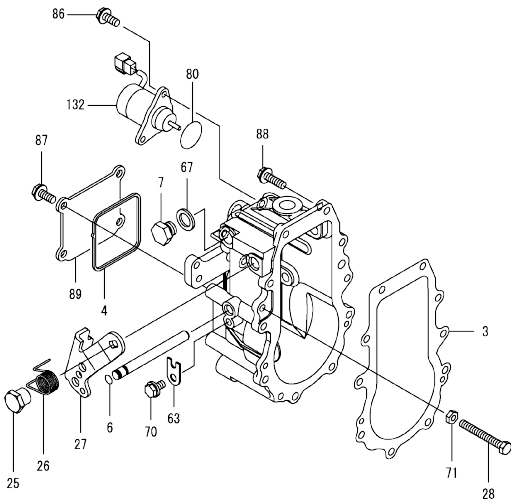
(A)=3TNV88-BPWN
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
128	2	158552-52100	PUMP ASSY, FUEL FEED	1							
129	3	158552-52500	O-RING	1							
130	2	119934-59910	JOINT, PIPE	1							
131	2	22190-120002	WASHER, SEAL 12	1							
133	1	119802-51250	RETAINER, PUMP	1							
134	1	26106-080162	BOLT, M8X 16 PLATED	1							
135	1	26106-080202	BOLT, M8X 20 PLATED	1							

N:Old $\frac{N_{10}}{10}$ New, Q:Old $\frac{Q_{10}}{10}$ New, R:Old $\frac{R_{10}}{10}$ New, S:Old $\frac{S_{10}}{10}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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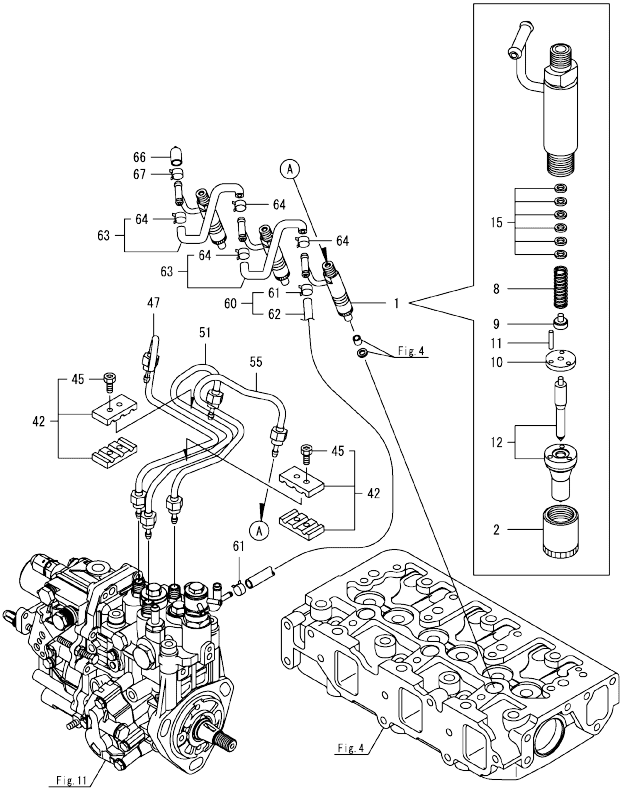
OCD50-M03390 ENGINE
Fig.12. GOVERNOR



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

										OCD50-M03390 Fig.12	
										(A)=3TNV88-BPWN	(D)=
										(B)=	(E)=
										(C)=	(F)=
										Q'ty	
										(A)	(B)
										(C)	(D)
										(E)	(F)
										I R	
No.	Lev.	Parts No.	Description								
3	2	158553-61050	GASKET							1	
4	2	158553-61070	GASKET							1	
6	2	129155-51280	O-RING, S6							1	
7	2	158553-51930	PLUG, M12							1	
25	2	129255-61410	NUT, M8							1	
26	2	119807-61420	SPRING, RETURN							1	
27	2	158552-61441	LEVER, REGULATOR							1	
28	2	129155-61461	BOLT, IDLE LIMIT							1	
63	2	119660-61901	STOPPER, SHAFT							1	
67	2	22190-120002	WASHER, SEAL 12							1	
70	2	26106-060102	BOLT, M6X 10 PLATED							1	
71	2	119740-61470	NUT							1	
80	2	158552-61900	O-RING							1	
86	2	26106-060142	BOLT, M6X 14 PLATED							2	
87	2	26106-060142	BOLT, M6X 14 PLATED							4	
88	2	26106-060202	BOLT, M6X 20 PLATED							10	
89	2	129642-61060	COVER, GOVERNOR CASE							1	
132	2	129630-77900	SOLENOID, STOP							1	

Fig.13. FUEL INJECTION VALVE

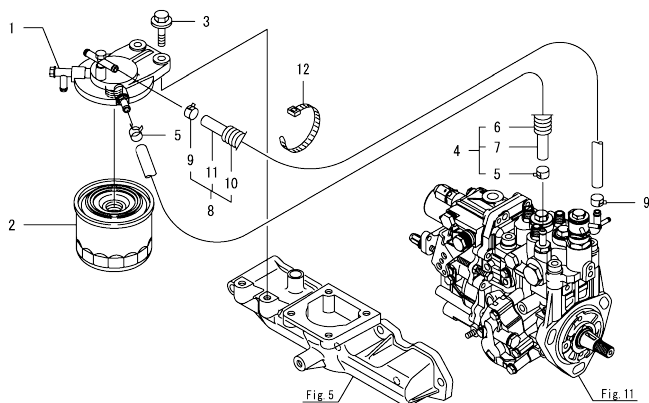


(A)=3TNV88-BPWN
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729604-53100	FUEL INJECTOR ASSY	3							
2	2	114250-53080	NUT, NOZZLE	3							
8	2	114250-53120	SPRING, NOZZLE	3							
9	2	114250-53130	SEAT, SPRING	3							
10	2	114250-53140	SPACER	3							
11	2	114250-53210	PIN	6							
12	2	129604-53000	NOZZLE ASSY, F.I.	3							
15	2	119803-53400	SHIM SET	3							
42	1	129150-59120	RETAINER, PIPE	2							1
45	2	129150-59131	BOLT, M4X14	4							
47	1	129004-59811	PIPE ASSY, INJECTION	1							
51	1	129004-59821	PIPE ASSY, INJECTION	1							
55	1	129004-59831	PIPE ASSY, INJECTION	1							
60	1	119802-59550	HOSE ASSY, RETURN	1							
61	2	124722-59050	CLAMP, HOSE 9	2							
62	2	119802-59560	HOSE, FUEL RETURN	1							
63	1	129486-59551	HOSE ASSY, RETURN	2							
64	2	124722-59050	CLAMP, HOSE 9	4							
66	1	119593-59581	CAP	1							
67	1	124060-77680	CLAMP, HOSE 10	1							

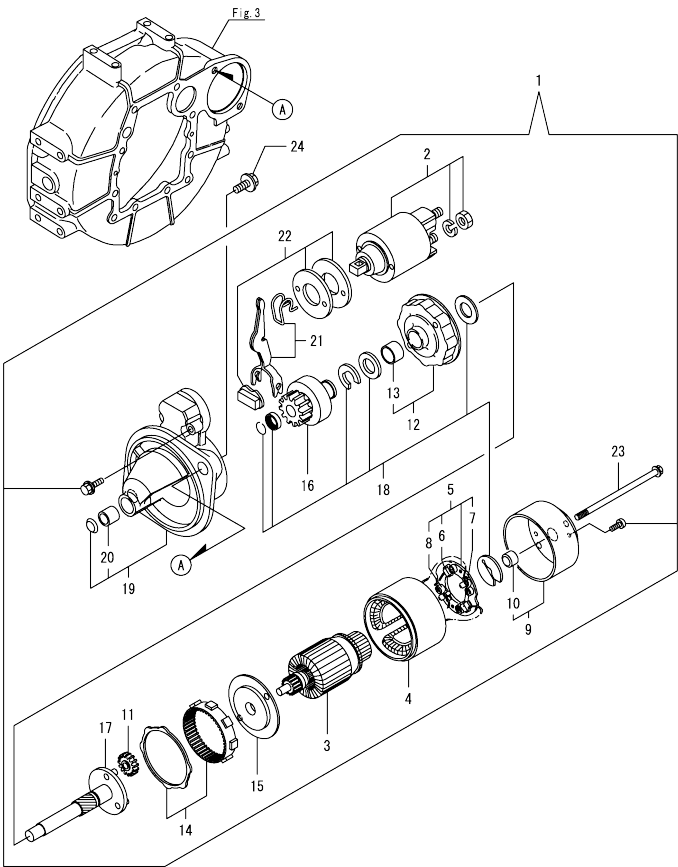
Remarks
(1)Spare parts.



0CD50-M03390 Fig.14

No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129004-55612	BRACKET, FILTER	1					
2	1	119802-55801	FILTER, FUEL	1					
3	1	26106-080302	BOLT, M8X 30 PLATED	2					
4	1	129044-59010	HOSE ASSY, D13XL220	1					
5	2	124766-59050	CLAMP, HOSE 11.5	2					
6	2	129044-59100	TUBE, CORRUGATED 15	1					
7	2	129044-59510	HOSE, FUEL L=220	1					
8	1	129950-59311	HOSE ASSY, FUEL	1					
9	2	124766-59050	CLAMP, HOSE 11.5	2					
10	2	129961-59110	TUBE, CORRUGATED 15	1					
11	2	105025-59580	HOSE, FUEL	1					
12	1	121750-59890	RAND. NYLON	1					

Fig.15. STARTER MOTOR

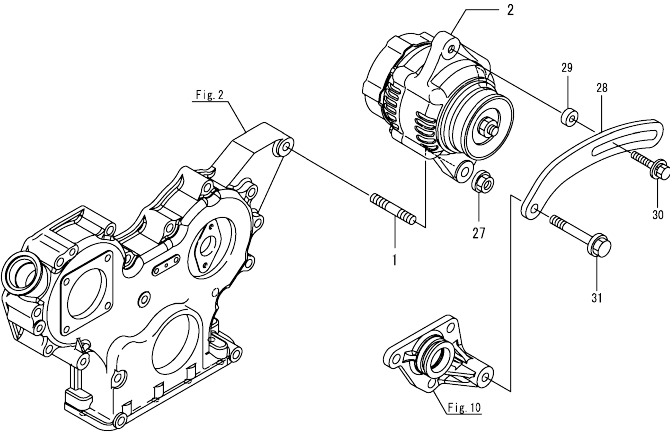
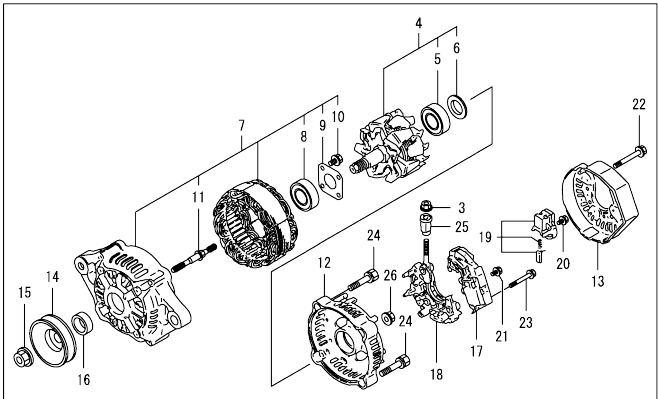


(A)=3TNV88-BPWN
(B)=
(C)=

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

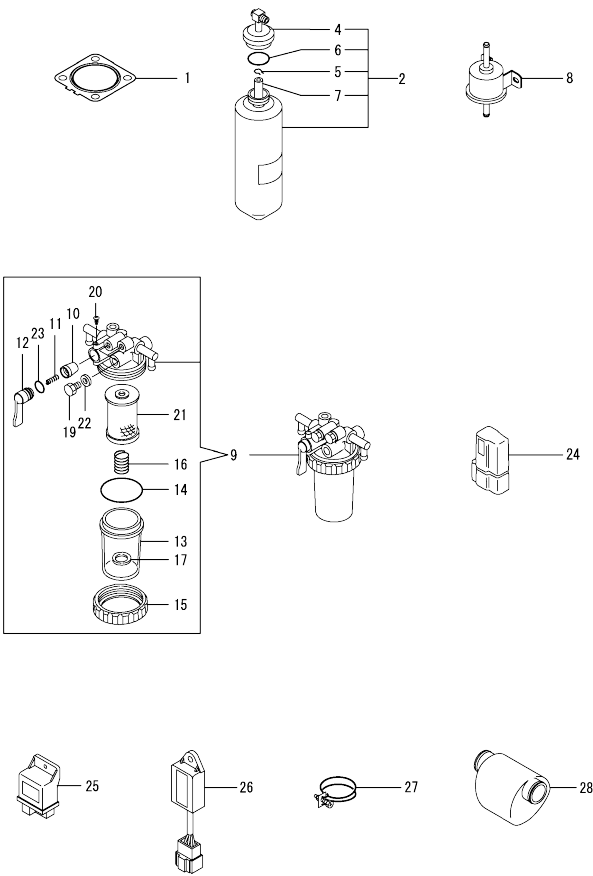
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129242-77010	STARTER ASSY	1							
2	2	129698-77020	SWITCH ASSY, MAGNET	1							
3	2	129242-77100	ARMATURE ASSY	1							
4	2	129242-77110	YOKE ASSY	1							
5	2	129242-77120	HOLDER ASSY, BRUSH	1							
6	3	129242-77130	BRUSH	2							
7	3	129242-77140	BRUSH SET	1							
8	3	129242-77150	SPRING, BRUSH	4							
9	2	129242-77160	COVER ASSY	1							
10	3	129242-77170	BEARING, COVER	1							
11	2	118400-77170	GEAR, PLANETARY	3							
12	2	129242-77180	BRACKET, CENTER	1							
13	3	129698-77190	BRACKET, CENTER	1							
14	2	129698-77200	GEAR, INTERNAL	1							
15	2	129242-77210	BRACKET, CENTER	1							
16	2	129698-77220	PINION ASSY	1							
17	2	129698-77230	SHAFT, PINION	1							
18	2	129698-77250	WASHER SET	1							
19	2	129242-77260	CASE ASSY, GEAR	1							
20	3	X2114535200	BEARING, STARTER	1							
21	2	129242-77270	LEVER SET	1							
22	2	129242-77280	COVER KIT, DUST	1							
23	2	124195-77770	BOLT, THROUGH	2							
24	1	26106-120252	BOLT, M12X 25 PLATED	2							

Fig.16. GENERATOR



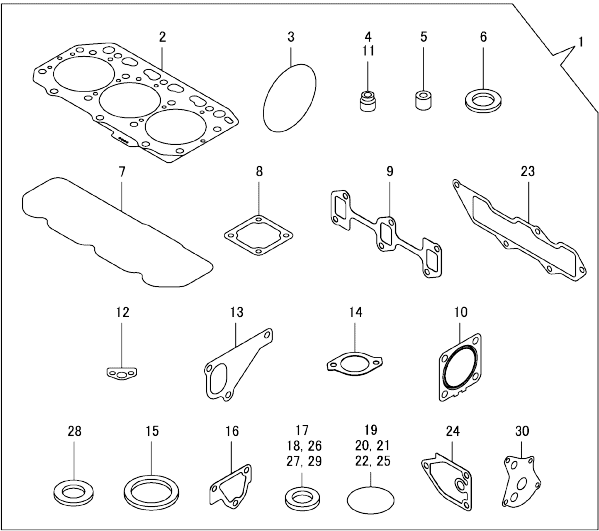
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129795-01900	BOLT, STUD M10X33	1							
2	1	119626-77220	ALTERNATOR, 12V-55A	1							
3	2	X9490561001	NUT	1							
4	2	129052-77380	ROTOR ASSY	1							
5	3	123501-79240	BEARING, BALL	1							
6	3	119620-79250	COVER, BEARING	1							
7	2	129052-77422	FRAME ASSY	1							
8	3	119620-79200	BEARING, BALL	1							
9	3	119620-79210	RETAINER	1							
10	3	119620-79220	SCREW	4							
11	3	119620-79230	BOLT, STUD	2							
12	2	128401-77440	FRAME	1							
13	2	119626-77450	COVER	1							
14	2	119620-77461	PULLEY, GENERATOR	1							
15	2	119620-77471	NUT	1							
16	2	119620-77490	COLLAR	1							
17	2	129423-77720	REGULATOR ASSY	1							
18	2	129052-79260	HOLDER	1							
19	2	129052-79270	HOLDER, BRUSH	1							
20	2	119620-79290	SCREW	6							
21	2	119620-79300	SCREW	1							
22	2	119620-79310	BOLT	3							
23	2	119620-79320	SCREW	2							
24	2	119620-79330	BOLT	2							
25	2	119620-79340	BUSH, INSULATION	1							
26	2	119620-79350	NUT	2							
27	1	26306-100002	NUT, M10	1							
28	1	119802-77330	ADJUSTER, BELT	1							
29	1	119940-77270	SPACER	1							
30	1	129972-77341	BOLT, ADJUST L=50	1							
31	1	26106-080452	BOLT, M8X 45 PLATED	1							

Fig.17. ACCESSORY



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-13200	GASKET, SILENCER	1							
2	1	171064-44510	TANK ASSY, SUB	1							
4	2	121450-44531	CAP	1							
5	2	124450-44560	CLAMP, PIPE	1							
6	2	121470-44581	GASKET	1							
7	2	23065-070225	HOSE 7X 225	1							
8	1	129612-52100	PUMP, FUEL FEED	1							
9	1	129335-55701	SEPARATOR ASSY, WATER	1							
10	2	104200-55321	VALVE, TAPER	1							
11	2	104200-55330	SPRING, FUEL VALVE	1							
12	2	104200-55341	HANDLE, COCK	1							
13	2	124064-55510	CUP, FUEL STARINER	1							
14	2	102103-55520	O-RING, FILTER	1							
15	2	110250-55610	RING, CUP RETAINING	1							
16	2	121257-55720	SPRING, ELEMENT	1							
17	2	121257-55731	FLOAT	1							
19	2	101720-55750	PLUG, HEXAGON M6	2							
20	2	104200-55750	SCREW, M4	1							
21	2	171081-55910	FILTER, FUEL 100M	1							
22	2	23418-060000	GASKET, 6X1.0	2							
23	2	24311-240100	O-RING, 1AP10A	1							
24	1	119643-66900	DIODE	1							
25	1	119802-77200	RELAY, SAFETY	1							
26	1	129211-77920	TIMER, SECTION 1	1							
27	1	23010-038000	CLAMP, 38	4							
28	1	121855-12060	SILENCER, INTAKE	1							W
(A=E157602)											

Fig.18. GASKET SET



Remarks
(1)Optional parts.

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729004-92610	GASKET SET	1							1
2	2	129001-01340	GASKET, HEAD	1							
3	2	121850-51960	O-RING	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, EXH.MANIFOLD	1							
10	2	129004-13200	GASKET, SILENCER	1							
11	2	121400-11340	SEAL, VALVE STEM	3							
12	2	129150-35042	GASKET	1							
13	2	129486-42021	GASKET, WATER PUMP	1							
14	2	129795-49551	GASKET	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	22190-160000	WASHER, SEAL 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	1							
25	2	119609-32040	O-RING, P16	2							
26	2	22190-100002	WASHER, SEAL 10	2							
27	2	22190-220002	WASHER, SEAL 22	2							
28	2	23414-080000	GASKET, 8X1.0	1							
29	2	129150-49360	GASKET	1							
30	2	129150-32020	GASKET, PUMP	1							

Parts No. Index

Parts No.	Fig. No.	Ref. No.
101720-55750	17	19
102103-55520	17	14
104200-55321	17	10
104200-55330	17	11
104200-55341	17	12
104200-55750	17	20
105025-59580	14	11
110250-55610	17	15
114250-53080	13	2
114250-53120	13	8
114250-53130	13	9
114250-53140	13	10
114250-53210	13	11
118400-77170	15	11
119005-35151	9	35
119131-18320	6	5
119593-59581	13	66
119609-32040	2	9
	18	25
119620-01750	3	3
119620-49290	10	32
119620-77461	16	14
119620-77471	16	15
119620-77490	16	16
119620-79200	16	8
119620-79210	16	9
119620-79220	16	10
119620-79230	16	11
119620-79250	16	6
119620-79290	16	20
119620-79300	16	21
119620-79310	16	22
119620-79320	16	23
119620-79330	16	24
119620-79340	16	25
119620-79350	16	26
119625-11880	4	28
	18	6
119626-77220	16	2
119626-77450	16	13
119640-01640	3	8
119643-66900	17	24
119660-61901	12	63
119740-61470	12	71
119802-01561	2	5
119802-03110	4	39
119802-03121	4	40
119802-03130	4	41
119802-03141	4	42
119802-11260	4	4

Parts No.	Fig. No.	Ref. No.
119802-11270	4	5
119802-11280	4	6
119802-11870	4	27
	18	5
119802-25071	7	16
119802-25101	7	10
119802-25901	7	15
119802-35100	9	20
119802-39450	9	28
119802-49113	10	9
119802-49730	10	37
119802-51090	11	11
119802-51250	11	133
119802-51560	11	57
119802-51590	11	63
119802-51600	11	64
119802-51680	11	68
119802-51690	11	69
119802-55801	14	2
119802-59550	13	60
119802-59560	13	62
119802-77200	17	25
119802-77330	16	28
119803-01520	2	4
119803-21200	8	4
119803-25050	7	9
119803-53400	13	15
119807-61420	12	26
119865-21600	8	14
119934-01800	2	3
119934-59910	11	130
119940-77270	16	29
120130-11860	4	54
120270-54410	4	30
121023-01551	2	19
121111-21501	8	11
121252-39450	9	26
121257-55720	17	16
121257-55731	17	17
121400-11340	4	23
	18	11
121450-42450	10	33
121450-44531	17	4
121470-44581	17	6
121520-34810	9	16
121550-23200	8	29
121750-59890	14	12
121850-21680	8	10
121850-51960	2	10
	18	3

Parts No.	Fig. No.	Ref. No.
121855-12060	17	28
123501-79240	16	5
123900-13610	6	3
123900-13630	6	4
124060-01050	1	4
124060-77680	13	67
124064-55510	17	13
124160-01751	2	6
	4	35
124160-01910	1	6
		7
124160-11360	4	47
124160-39140	9	27
124195-77770	15	23
124240-01871	2	7
124250-49351	10	42
124395-49840	10	17
	18	16
124450-44560	17	5
124460-11340	4	24
	18	4
124465-44950	10	34
124722-59050	10	38
		41
	13	61
		64
124766-59050	14	5
		9
128401-77440	16	12
129001-01250	1	5
129001-01340	1	28
	18	2
129001-02931	1	29
129001-12110	5	4
	18	23
129001-32002	9	1
129004-03010	4	37
129004-11241	4	1
129004-11251	4	2
129004-11310	4	44
	18	7
129004-11350	4	36
129004-11650	4	8
129004-11900	4	29
129004-13109	6	1
129004-13200	6	7
	17	1
	18	10
129004-13550	6	8
129004-21650	8	8

Parts No.	Fig. No.	Ref. No.
129004-34802	9	15
129004-42001	10	1
129004-42040	10	15
129004-49610	10	35
129004-49620	10	39
129004-49711	10	36
129004-49721	10	40
129004-55612	14	1
129004-59811	13	47
129004-59821	13	51
129004-59831	13	55
129005-03080	5	1
129005-11100	4	19
129005-12101	5	3
129005-22080	8	15
129005-22500	8	17
129005-22900	8	35
129005-22950	8	37
129005-59830	9	29
129008-11700	4	13
129008-21000	8	1
129008-51390	11	39
129008-51900	11	9
129008-51920	11	10
129008-77800	4	52
129008-77820	4	53
129030-21590	8	12
129030-44760	10	25
129044-59010	14	4
129044-59100	14	6
129044-59510	14	7
129052-77380	16	4
129052-77422	16	7
129052-79260	16	18
129052-79270	16	19
129100-01580	3	1
		15
	8	2
129100-01730	3	6
129100-11112	4	20
129100-23910	8	32
129100-35140	9	22
129100-35301	9	18
129100-42051	10	3
129100-42121	10	4
129129-14580	7	3
129136-01780	3	7
129150-01200	1	27
129150-02020	1	9
129150-02450	7	4

Parts No. Index

Parts No.	Fig. No.	Ref. No.
129150-02871	1	32
129150-02931	1	24
129150-02941	1	35
129150-03070	4	38
129150-11230	4	9
129150-11280	4	7
129150-11370	4	12
129150-11750	4	11
129150-11810	4	55
129150-13110	6	2
	18	9
129150-14101	7	6
129150-14200	7	1
129150-14400	7	2
129150-23601	8	30
129150-23611	8	33
129150-25301	7	14
129150-32020	9	13
	18	30
129150-35042	9	17
	18	12
129150-35111	9	23
	18	24
129150-49360	10	43
	18	29
129150-49811	10	28
	18	15
129150-59120	13	42
129150-59131	13	45
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129155-51280	12	6
129155-61461	12	28
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129236-11350	4	36 -1
129242-77010	15	1
129242-77100	15	3
129242-77110	15	4
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129242-77150	15	8
129242-77160	15	9
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129335-55701	17	9
129350-49530	10	29
129403-42380	10	23
129410-03990	5	2
129423-77720	16	17
129457-49801	10	27
129486-01670	3	19
129486-12581	5	7
129486-42021	10	14
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129486-59551	13	63
129604-53000	13	12
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129648-01600	3	16
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129698-77190	15	13
129698-77200	15	14
129698-77220	15	16
129698-77230	15	17
129698-77250	15	18
129795-01900	16	1
129795-01950	2	8
129795-02412	1	12
129795-11120	4	21
129795-11180	4	22
129795-21661	8	9
129795-49551	10	30
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129900-07900	4	50
129916-49740	10	10
129950-59311	14	8
129961-59110	14	10
129972-77341	16	30
158552-51151	7	17
158552-51571	11	58
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158552-51580	11	62
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158563-51330	11	48
158600-51270	11	36
158601-51550	11	56
158601-51570	11	61
158601-51650	11	125
158601-51770	11	97
158601-51790	11	99
171051-01921	1	8
171064-44510	17	2
171081-55910	17	21
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22190-100002	9	33
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22190-180002	11	103
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22190-220002	3	10
	18	27
22217-140000	11	111
22252-000260	8	24
22312-050140	11	112
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23414-080000	10	18
	18	28
23418-060000	17	22
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23875-020000	10	11
23876-010000	10	12
24311-000070	11	115
24311-000120	4	48
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26106-080502	3	14
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26106-080552	2	16
26106-080602	10	22
26106-080802	5	6
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26106-120252	15	24
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26206-100302	3	5
26306-080002	2	18
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26306-100002	16	27
26366-060002	9	34
26450-060252	9	14
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26577-060142	10	13
26776-140002	11	121
27241-120000	1	13
27241-300000	1	14
27241-400000	4	18
27310-080001	4	25
719803-01500	2	1
729004-92610	18	1
729005-01560	1	1
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