

0CW10-M83000EN

P R E F A C E

1. This parts catalog is the 1st edition of 3TNV82A-BDGZ for GRILLO.

Pub. No. : 0CW10-G83000

Published : March, 2013

2. Model name

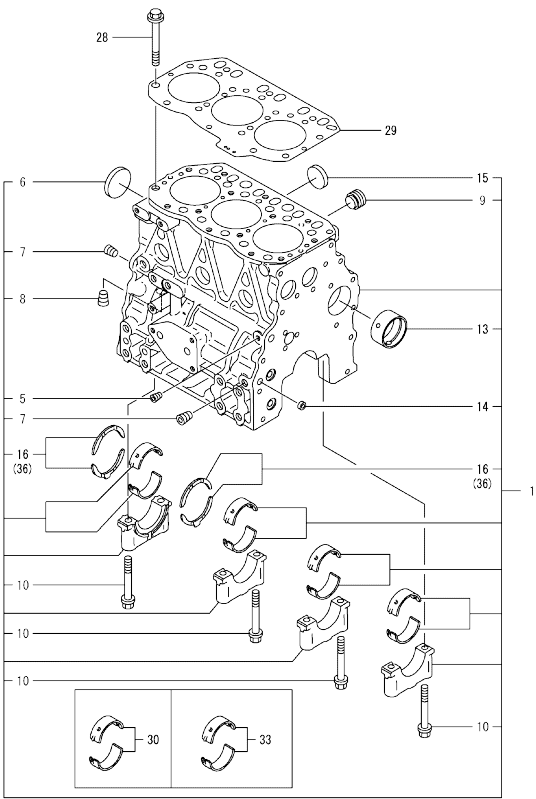
Engine model	Vehicle	Vehicle made by
3TNV82A-BDGZ	MOWER	GRILLO

Contents

0CW10-M83000

Fig. No.	Fig. Name	Fig. No.	Fig. Name
3TNV82A-BDGZ			
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	FLYWHEEL HOUSING & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD		
6.	EXHAUST MANIFOLD		
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



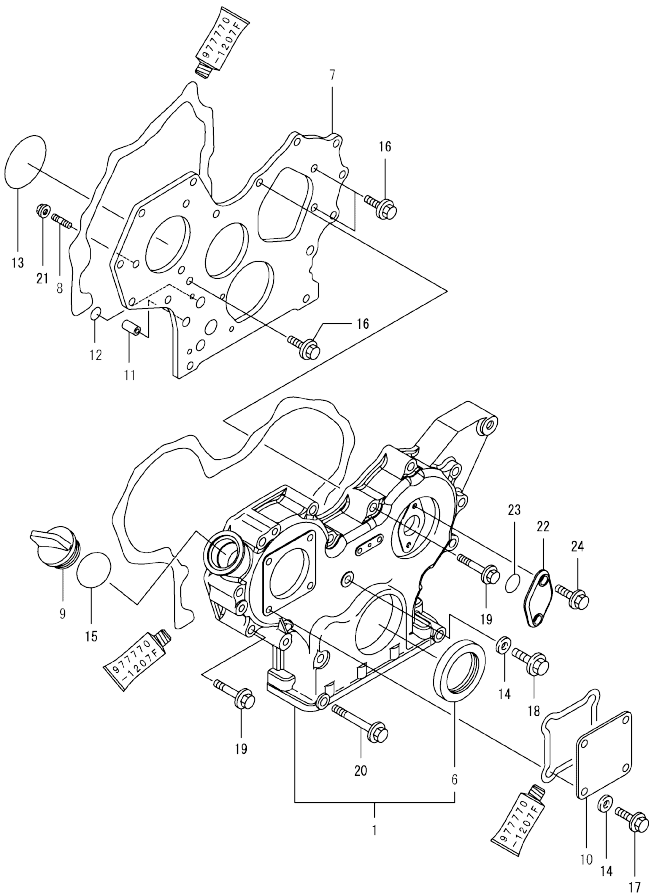
Remarks
(1)Spare part.
(2)Under-sized(U.S.=0.25)part.
(3)Over-sized(O.S.=0.25)part.

(A)=3TNV82A-BDGZ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-01560	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	119620-02020	BOLT, METAL CAP	8							
13	2	129795-02412	BUSH, CAMSHAFT	1							
14	2	27241-120000	PLUG, 12	2							
15	2	27241-300000	PLUG 30	6							
16	2	119810-02931	BEARING, THRUST	2							
28	1	119810-01200	BOLT, HEAD	14							
29	1	119812-01330	GASKET, HEAD	1							
30	1	719810-02981	BEARING, MAIN	4							1
33	1	119810-02871	BEARING, 0.25 US	4							2
36	1	119810-02941	BEARING, THRUST 0.25	2							3

0CW10-M83000 3TNV82A-BDGZ
Fig.2. GEAR HOUSING



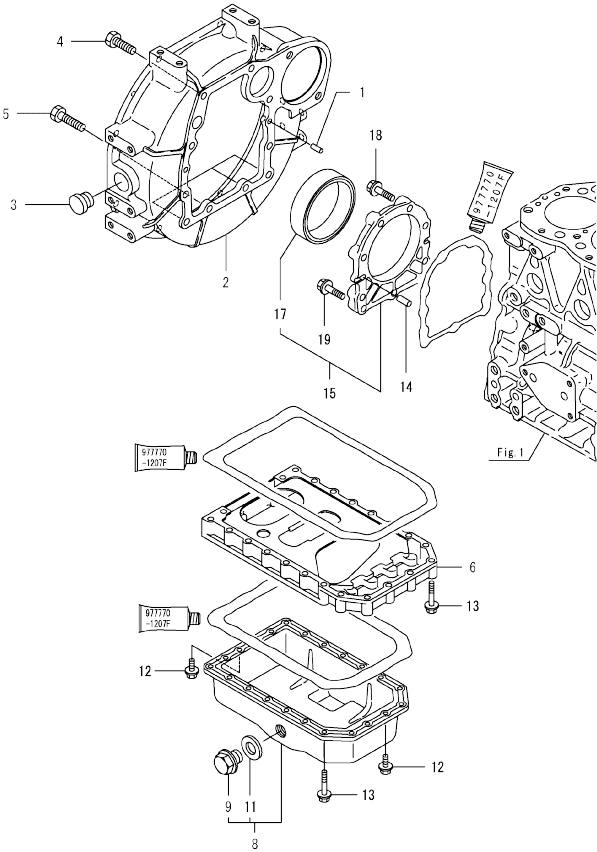
0CW10-M83000 Fig.2											
				(A)=3TNV82A-BDGZ	(D)=						
				(B)=	(E)=						
				(C)=	(F)=						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719803-01500	CASE ASSY, GEAR	1							
6	2	119934-01800	SEAL, OIL	1							
7	1	119803-01520	FLANGE, GEAR CASE	1							
8	1	119802-01561	STUD, M8X25	3							
9	1	124160-01751	COVER, FILLER	1							
10	1	124240-01871	COVER	1							
11	1	129795-01950	PIPE, KNOCK L=18	2							
12	1	119609-32040	O-RING, P16	2							
13	1	121850-51960	O-RING	1							
14	1	22190-080002	WASHER, SEAL 8	5							
15	1	24311-000320	O-RING, 1AP32.0	1							
16	1	26106-080162	BOLT, M8X 16 PLATED	3							
17	1	26106-080162	BOLT, M8X 16 PLATED	4							
18	1	26106-080302	BOLT, M8X 30 PLATED	1							
19	1	26106-080552	BOLT, M8X 55 PLATED	12							
20	1	26106-080852	BOLT, M8X 85 PLATED	3							
21	1	26306-080002	NUT, M8	3							
22	1	121023-01551	COVER	1							
23	1	24341-000240	O-RING, 1AS24.0	1							
24	1	26106-060162	BOLT, M6X 16 PLATED	2							

N:Old YES NO New. Q:Old YES NO New. R:Old YES NO New. S:Old YES NO New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

Copyright (C) YANMAR CO., LTD. All Rights Reserved.

0CW10-M83000 3TNV82A-BDGZ

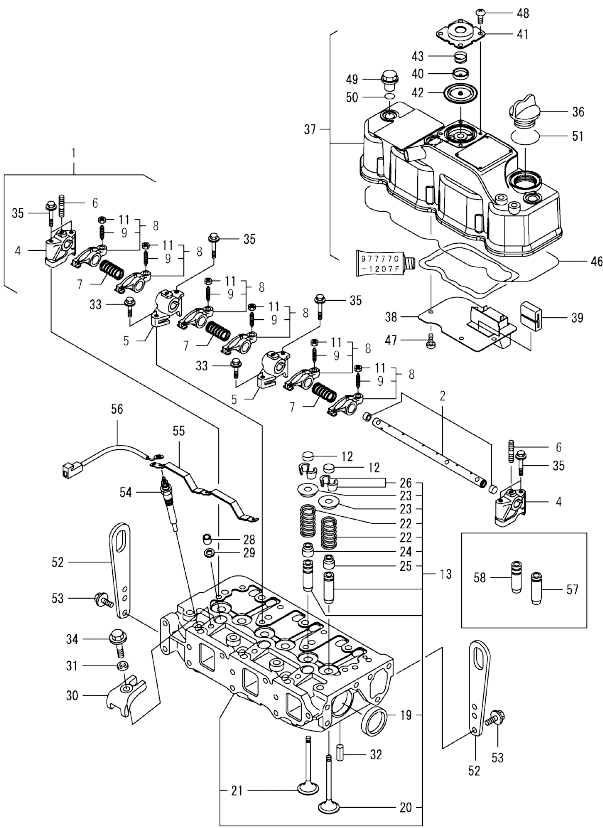
Fig.3. FLYWHEEL HOUSING & OIL SUMP



				(A)=3TNV82A-BDGZ		0CW10-M83000		Fig.3			
				(B)=		(D)=					
				(C)=		(E)=					
						(F)=					
						Q'ty					
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129100-01580	PIN, 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	119810-01730	SPACER, OIL SUMP	1							
8	1	119843-01780	SUMP ASSY, OIL	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	6							
13	1	26106-080452	BOLT, M8X 45 PLATED	22							
14	1	129100-01580	PIN, 8X16	2							
15	1	129100-01640	CASE ASSY, OIL SEAL	1							
17	2	129795-01780	SEAL, OIL	1							
18	1	129486-01670	BOLT, M8X30	6							
19	1	26106-080352	BOLT, M8X 35 PLATED	3							

0CW10-M83000 3TNV82A-BDGZ

Fig.4. CYLINDER HEAD & BONNET



Remarks
(1)Spare parts.

0CW10-M83000 Fig.4

(A)=3TNV82A-BDGZ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-11241	SHAFT ASSY, ROCKER	1							
2	2	119802-11251	SHAFT, ROCKER ARM	1							
4	2	119802-11260	SUPPORT, ROCKER ARM	2							
5	2	119802-11270	SUPPORT, ROCKER ARM	2							
6	2	119802-11280	STUD	3							
7	2	129150-11280	SPRING	3							
8	2	119802-11650	ARM, ROCKER	6							
9	3	129150-11230	SCREW, VALVE ADJUST	6							
11	3	129150-11750	NUT, M8	6							
12	1	104211-11370	CAP, VALVE	6							
13	1	119803-11700	HEAD ASSY, CYLINDER	1							
19	2	27241-400000	PLUG, 40	2							
20	2	119802-11100	VALVE, INTAKE	3							
21	2	119802-11110	VALVE, EXHAUST	3							
22	2	119810-11120	SPRING, VALVE	6							
23	2	104211-11180	RETAINER, SPRING	6							
24	2	119803-11340	SEAL, VALVE STEM	3							
25	2	124160-11340	SEAL, VALVE STEM	3							
26	2	27310-070001	COTTER, 7	6							
28	1	119802-11870	PROTECTOR, NOZZLE	3							
29	1	119625-11880	SEAT, NOZZLE	3							
30	1	119802-11900	RETAINER, NOZZLE	3							
31	1	120270-54410	WASHER, INJECTOR	3							
32	1	22351-060012	PIN, SPRING 6.0X12	2							
33	1	26106-080252	BOLT, M8X 25 PLATED	2							
34	1	26106-080452	BOLT, M8X 45 PLATED	3							
35	1	26106-080502	BOLT, M8X 50 PLATED	6							
36	1	124160-01751	COVER, FILLER	1							
37	1	119802-11350	BONNET ASSY, HEAD	1							
38	2	119802-03010	PLATE	1							
39	2	129150-03070	BAFFLE, BREATHER	1							
40	2	119802-03110	PLATE	1							
41	2	119802-03121	COVER, DIAPHRAGM	1							
42	2	119802-03130	DIAPHRAGM	1							
43	2	119802-03141	SPRING, DIAPHRAGM	1							
46	2	119802-11310	GASKET, BONNET	1							
47	2	22857-500100	SCREW, 5X10	4							
48	2	22857-500100	SCREW, 5X10	4							
49	1	124160-11360	KNOB	3							
50	1	24311-000120	O-RING, 1AP12.0	3							
51	1	24311-000320	O-RING, 1AP32.0	1							
52	1	129900-07900	LIFTER	2							
53	1	26106-080162	BOLT, M8X 16 PLATED	4							
54	1	129008-77800	PLUG, GLOW	3							
55	1	119803-77821	CONNECTOR, GLOW PLUG	1							
56	1	119803-77830	HARNES, WIRE	1							
57	1	124060-11800	GUIDE, VALVE	3							1
58	1	119802-11810	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
Copyright (C) YANMAR CO., LTD. All Rights Reserved.

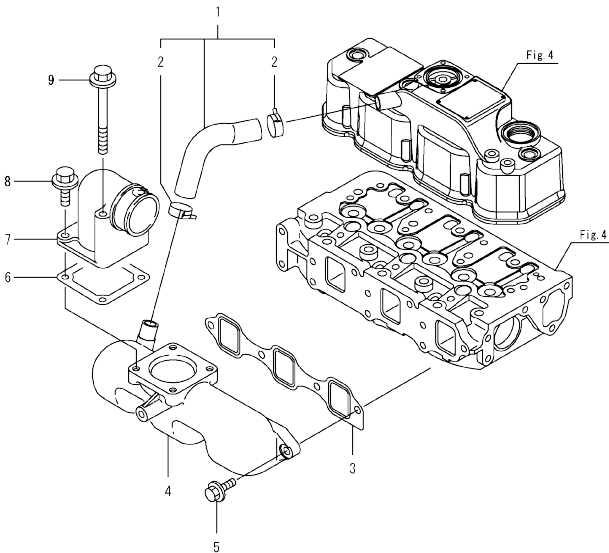
0CW10-M83000 3TNV82A-BDGZ
Fig.5. SUCTION MANIFOLD

0CW10-M83000 Fig.5

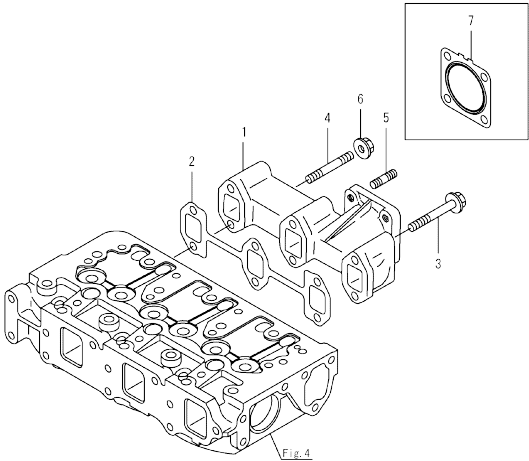
(A)=3TNV82A-BDGZ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-03090	PIPE , BREATHER	1							
2	2	129410-03990	CLIP,HOSE 21.5	2							
3	1	119810-12112	GASKET, MANIFOLD	1							
4	1	119803-12140	MANIFOLD, AIR INTAKE	1							
5	1	26106-080252	BOLT, M8X 25 PLATED	4							
6	1	129150-77511	GASKET	1							
7	1	119803-77520	BEND, AIR HEATER	1							
8	1	26106-080202	BOLT, M8X 20 PLATED	2							
9	1	26106-080802	BOLT, M8X 80 PLATED	2							



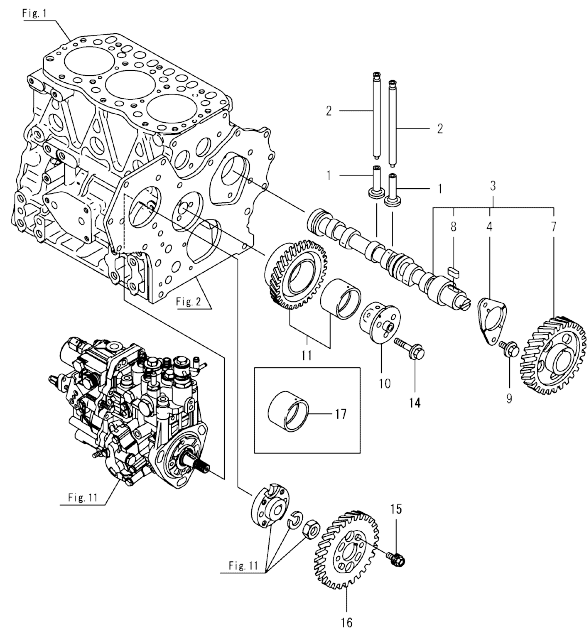
0CW10-M83000 3TNV82A-BDGZ
Fig.6. EXHAUST MANIFOLD



Remarks
(1) Loose part.

				(A)=3TNV82A-BDGZ		(D)=		0CW10-M83000		Fig.6	
				(B)=		(E)=					
				(C)=		(F)=					
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119810-13100	MANIFOLD, EXHAUST	1							
2	1	119810-13110	GASKET	1							
3	1	119802-13640	BOLT, M8X60 10.9T	4							
4	1	119802-13740	STUD, M8X60	2							
5	1	119131-18320	STUD, M8X22	4							
6	1	26306-080002	NUT, M8	2							
7	1	129004-13200	GASKET, SILENCER	1							1

Fig.7. CAMSHAFT & DRIVING GEAR



Remarks
(1)Spare part.

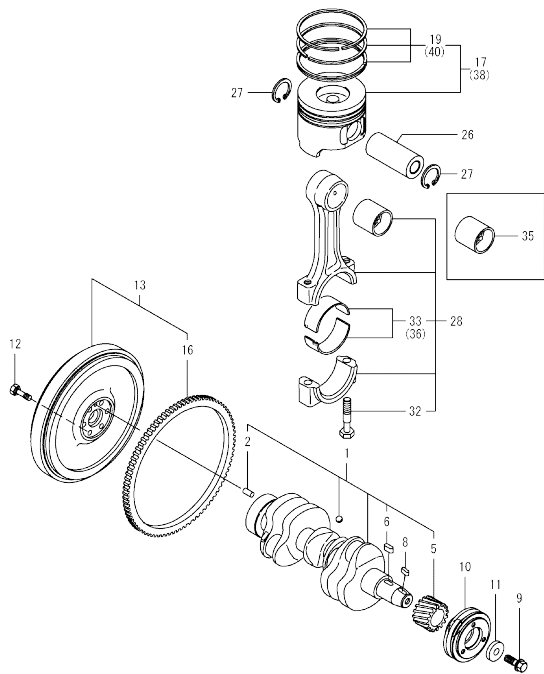
(A)=3TNV82A-BDGZ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	6							
2	1	119810-14400	ROD, PUSH	6							
3	1	119802-14580	CAMSHAFT ASSY	1							
4	2	129150-02450	BEARING, 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	119803-25050	SHAFT, IDLE	1							
11	1	119802-25101	GEAR ASSY, IDLE	1							
14	1	26106-080402	BOLT, M8X 40 PLATED	3							
15	1	129150-25301	BOLT	4							
16	1	119802-25901	GEAR, PUMP	1							
17	1	119802-25071	BUSH, IDLE GEAR	1							1

0CW10-M83000 3TNV82A-BDGZ

Fig.8. CRANKSHAFT & PISTON



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

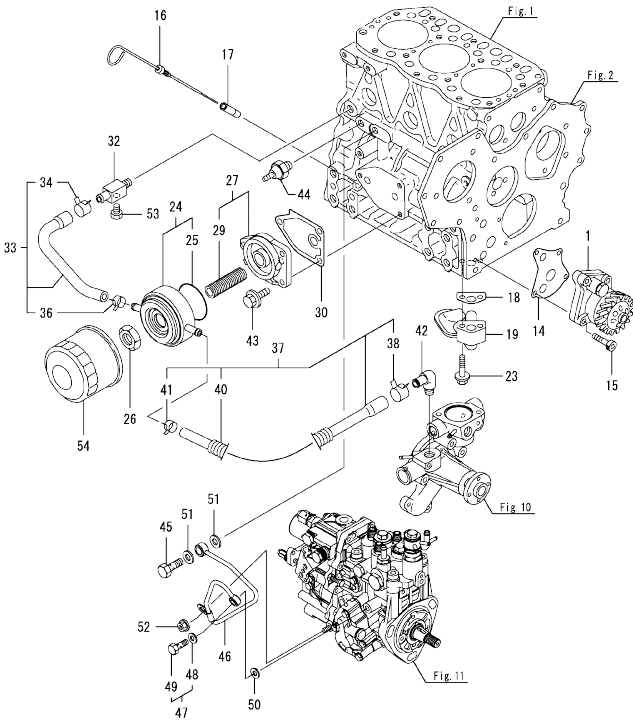
0CW10-M83000 Fig.8

(A)=3TNV82A-BDGZ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119803-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, 8X16	1							
5	2	119803-21200	GEAR, CRANKSHAFT	1							
6	2	22512-070140	KEY, 7X 14	1							
8	1	22512-070140	KEY, 7X 14	1							
9	1	129916-21610	BOLT	1							
10	1	129564-21650	V-PULLEY, 110	1							
11	1	129795-21661	WASHER	1							
12	1	121111-21501	BOLT, FLYWHEEL	6							
13	1	129489-21590	FLYWHEEL ASSY	1							
16	2	119865-21600	GEAR, RING	1							
17	1	119803-22080	PISTON ASSY	3							
19	2	119802-22500	RING SET, PISTON	3							
26	1	119813-22300	PIN, PISTON	3							
27	1	129792-22400	CIRCLIP, 23	6							
28	1	719810-23100	ROD ASSY, CONNECTING	3							1
32	2	119810-23200	BOLT, CONNECTING ROD	6							2
33	2	119810-23601	BEARING, CRANK PIN	3							3
35	1	119810-23910	BEARING, PISTON PIN	3							
36	1	119810-23611	BEARING, 0.25 US	3							
38	1	719803-22900	PISTON ASSY, 0.25 OS	3							
40	2	119802-22950	RING SET, 0.25 OS	3							3

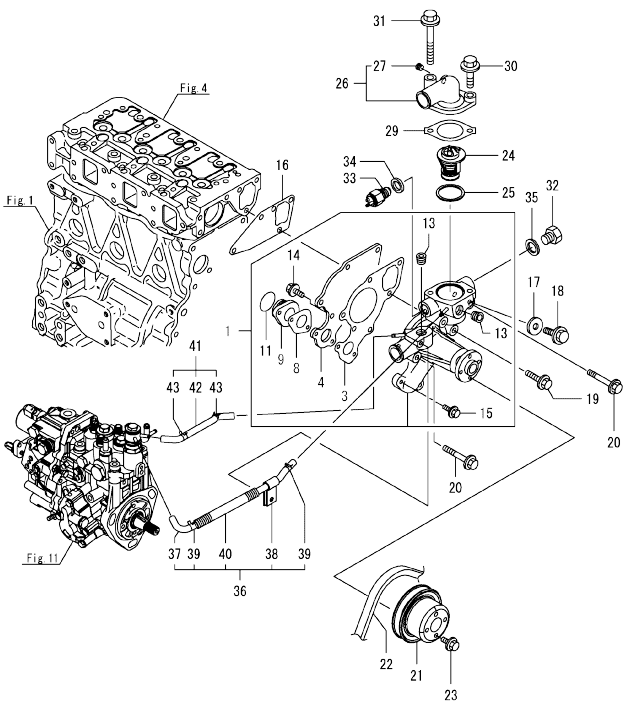
0CW10-M83000 3TNV82A-BDGZ
Fig.9. LUB.OIL SYSTEM



Remarks
(1)Spare parts.

										0CW10-M83000 Fig.9	
										(A)=3TNV82A-BDGZ	(D)=
										(B)=	(E)=
										(C)=	(F)=
										Q'ty	
										(A)	(B)
										(C)	(D)
										(E)	(F)
										I	
										R	
No.	Lev.	Parts No.	Description								
1	1	129001-32001	PUMP ASSY, OIL								1
14	1	129150-32020	GASKET, PUMP								1
15	1	26450-060252	BOLT, M6X 25								4
16	1	119802-34812	DIPSTICK, OIL								1
17	1	121520-34810	GUIDE, DIPSTICK								1
18	1	129150-35042	GASKET								1
19	1	119810-35401	PIPE ASSY, OIL INLET								1
23	1	26106-080352	BOLT, M8X 35 PLATED								2
24	1	129508-33010	COOLER ASSY, OIL								1
25	2	129508-33050	O-RING								1
26	1	129417-33111	NUT, OIL COOLER								1
27	1	129006-35100	BRACKET ASSY, FILTER								1
29	2	129417-35150	STUD, L=67								1
30	1	129150-35111	GASKET								1
32	1	129006-44480	JOINT								1
33	1	129508-49030	PIPE ASSY, WATER								1
34	2	171008-03990	CLIP, HOSE 18.5								1
36	2	23080-015000	CLAMP, 15								1
37	1	129508-49040	PIPE ASSY, WATER								1
38	2	171008-03990	CLIP, HOSE 18.5								1
40	2	119940-59130	TUBE, CORRUGATED								1
41	2	23080-015000	CLAMP, 15								1
42	1	119944-49300	ELBOW, PT3/8								1
43	1	26106-080202	BOLT, M8X 20 PLATED								3
44	1	114250-39450	SWITCH, 0.5KG								1
45	1	124160-39140	BOLT, PIPE JOINT M10								1
46	1	119802-39450	PIPE ASSY, OIL								1
47	1	129005-59830	BOLT ASSY, JOINT M8								1
48	2	22190-080002	WASHER, SEAL 8								1
49	2	23857-030000	BOLT, JOINT 3								1
50	1	22190-080002	WASHER, SEAL 8								1
51	1	22190-100002	WASHER, SEAL 10								2
52	1	26366-060002	NUT, M6								1
53	1	171056-49120	PLUG, DRAIN								1
54	1	129150-35153	FILTER								1

Fig.10. COOLING WATER SYSTEM

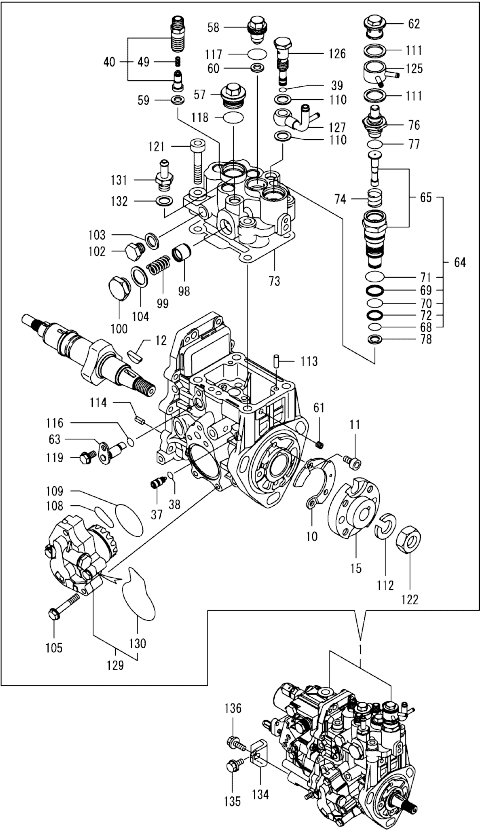


(A)=3TNV82A-BDGZ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-42001	PUMP ASSY, WATER	1							
3	2	119810-42051	GASKET, WATER PUMP	1							
4	2	119810-42120	PLATE	1							
8	2	119810-42281	GASKET, WATER PUMP	1							
9	2	119810-42290	PIPE	1							
11	2	129054-42320	O-RING	1							
13	2	23876-030000	PLUG, R03	2							
14	2	26106-060142	BOLT, M6X 14 PLATED	2							
15	2	26106-060202	BOLT, M6X 20 PLATED	2							
16	1	129486-42050	GASKET, WATER PUMP	1							
17	1	23414-080000	GASKET, 8X1.0	1							
18	1	26106-080122	BOLT, M8X 12 PLATED	1							
19	1	26106-080352	BOLT, M8X 35 PLATED	1							
20	1	26106-080552	BOLT, M8X 55 PLATED	3							
21	1	129155-42350	V-PULLEY	1							
22	1	129612-42290	V-BELT, A37.5	1							
23	1	26106-060122	BOLT, M6X 12 PLATED	4							
24	1	129155-49801	THERMOSTAT, 71	1							
25	1	129150-49811	GASKET, THERMOSTAT	1							
26	1	119609-49520	COVER ASSY	1							
27	2	119285-01731	PLUG, NPT1/8	1							
29	1	129795-49551	GASKET	1							
30	1	26106-080302	BOLT, M8X 30 PLATED	1							
31	1	26106-080652	BOLT, M8X 65 PLATED	1							
32	1	121450-42450	PLUG, M16	1							
33	1	121250-44901	SWITCH, 110	1							
34	1	124465-44950	GASKET, 16	1							
35	1	124465-44950	GASKET, 16	1							
36	1	119802-49610	PIPE ASSY, WATER	1							
37	2	119802-49711	PIPE ASSY, WATER	1							
38	2	119802-49730	RETAINER, PIPE	1							
39	2	124722-59050	CLIP, HOSE 9	2							
40	2	119802-59320	TUBE, CORRUGATED	1							
41	1	119802-49620	PIPE ASSY, WATER	1							
42	2	119802-49721	PIPE ASSY, WATER	1							
43	2	124722-59050	CLIP, HOSE 9	2							

Fig.11. FUEL INJECTION PUMP



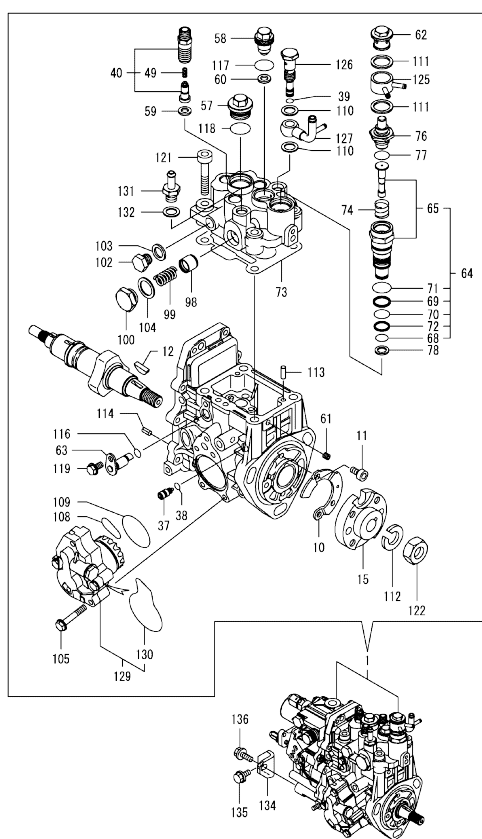
Remarks
(1)Governor(Fig.12)is incorporated in this Fuel Injection Pump (Ref.1).

							0CW10-M83000 Fig.11					
							(A)=3TNV82A-BDGZ (D)= (B)= (E)= (C)= (F)=					
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty	(D)	(E)	(F)	I	R
1	1	719980-51370	FIE ASSY	1								1
10	2	129008-51900	COVER, GEAR CASE	1								
11	2	129008-51920	BOLT, M6X10	2								
12	2	119802-51090	KEY, 4X16	1								
15	2	158552-51151	FLANGE	1								
37	2	158600-51270	STOPPER, TAPPET	1								
38	2	158563-51281	O-RING, 4D S6	1								
39	2	158563-51281	O-RING, 4D S6	1								
40	2	129008-51390	VALVE ASSY, DELIVERY	3								
49	3	158563-51330	SPRING, DELIVERY	3								
57	2	158601-51550	PLUG	1								
58	2	119802-51560	PLUG, BARREL	1								
59	2	158552-51571	GASKET	3								
60	2	158552-51571	GASKET	1								
61	2	158557-51570	PLUG	1								
62	2	158601-51570	PLUG	1								
63	2	158552-51580	LIFTER	1								
64	2	119802-51590	TIMER SET	1								
65	3	119802-51600	TIMER ASSY	1								
68	3	158553-51670	O-RING, 1011	1								
69	3	119802-51680	RING, BACK UP	1								
70	3	119802-51690	O-RING	1								
71	3	24356-190200	O-RING, 4D19020	1								
72	3	24372-000150	RING, BACK UP T2P15	1								
73	2	158552-51600	GASKET	1								
74	2	158553-51630	SPRING, TIMER	1								
76	2	158553-51650	ELEMENT	1								
77	2	158553-51660	O-RING, P14	1								
78	2	158553-51680	GASKET	1								
98	2	158601-51770	PISTON	1								
99	2	158552-51781	SPRING	1								
100	2	158601-51790	PLUG	1								
102	2	158553-51930	PLUG, M12	1								
103	2	22190-120002	WASHER, SEAL 12	1								
104	2	22190-180002	WASHER, SEAL 18	1								
105	2	158553-51770	BOLT	4								
108	2	158552-52311	O-RING	1								
109	2	158552-52400	O-RING, 4E S42	1								
110	2	22190-120002	WASHER, SEAL 12	2								
111	2	22190-180002	WASHER, SEAL 18	2								
112	2	22217-140000	WASHER, SPRING 14	1								
113	2	22312-050140	PIN, PARALLEL 5X14	2								
114	2	22351-050010	PIN, SPRING 5.0X10	2								
116	2	24311-000070	O-RING, 1AP7.0	1								
117	2	24356-190180	O-RING, 4D19018	1								
118	2	24356-190200	O-RING, 4D19020	1								
119	2	26106-060102	BOLT, M6X 10 PLATED	1								
121	2	26450-080452	BOLT, M8X 45	4								
122	2	26776-140002	NUT, LOCK M14	1								
125	2	158553-51551	JOINT	1								
126	2	158601-51650	JOINT, OVER FLOW	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 ++

Copyright (C) YANMAR CO., LTD. All Rights Reserved.

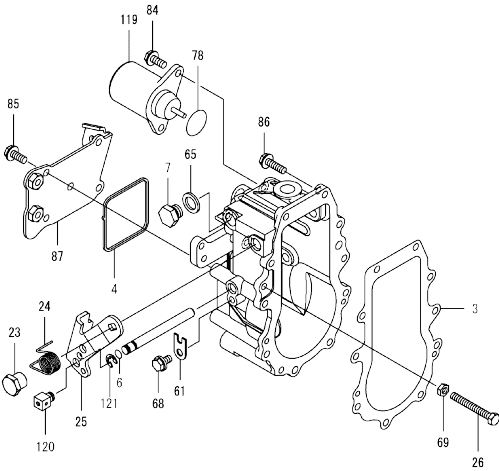


				(A)=3TNV82A-BDGZ							
				(B)=						(D)=	
				(C)=						(E)=	
										(F)=	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
127	2	158552-51670	JOINT, OVER FLOW	1							
129	2	158552-52100	PUMP ASSY, FUEL FEED	1							
130	3	158552-52500	O-RING	1							
131	2	119934-59910	JOINT, PIPE	1							
132	2	22190-120002	WASHER, SEAL 12	1							
134	1	119802-51250	RETAINER, PUMP	1							
135	1	26106-080162	BOLT, M8X 16 PLATED	1							
136	1	26106-080202	BOLT, M8X 20 PLATED	1							

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

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

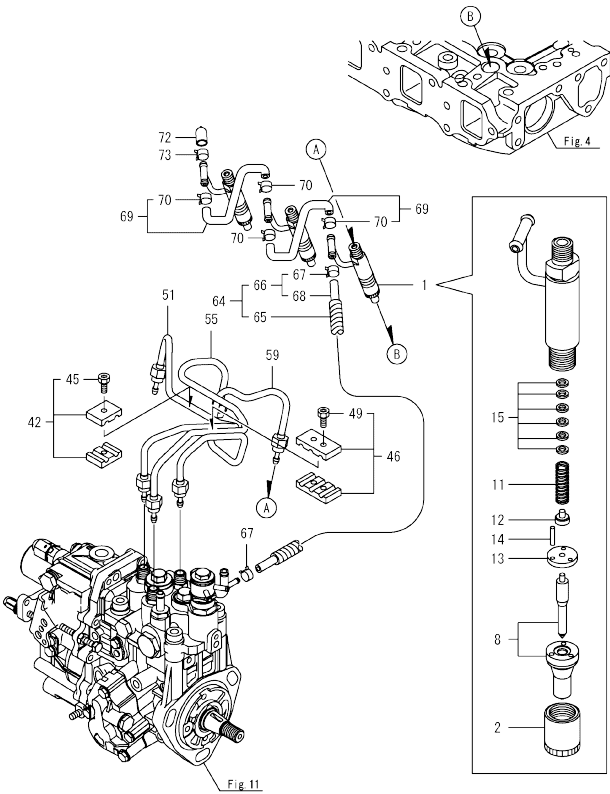
Fig.12. GOVERNOR



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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
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							
23	2	129255-61410	NUT, LOCK	1							
24	2	119807-61420	SPRING, RETURN	1							
25	2	158552-61441	LEVER, REGULATOR	1							
26	2	129155-61460	BOLT, IDLE	1							
61	2	119660-61901	RETAINER, SHAFT	1							
65	2	22190-120002	WASHER, SEAL 12	1							
68	2	26106-060102	BOLT, M6X 10 PLATED	1							
69	2	26756-060002	NUT, LOCK M6	1							
78	2	158552-61900	O-RING	1							
84	2	26106-060142	BOLT, M6X 14 PLATED	2							
85	2	26106-060142	BOLT, M6X 14 PLATED	4							
86	2	26106-060202	BOLT, M6X 20 PLATED	10							
87	2	158552-61061	COVER, GOVERNOR CASE	1							
119	2	119233-77932	SOLENOID, STOP	1							
120	2	124756-67510	RETAINER	1							
121	2	22272-000070	RING, E- 7	1							

Fig.13. FUEL INJECTION VALVE

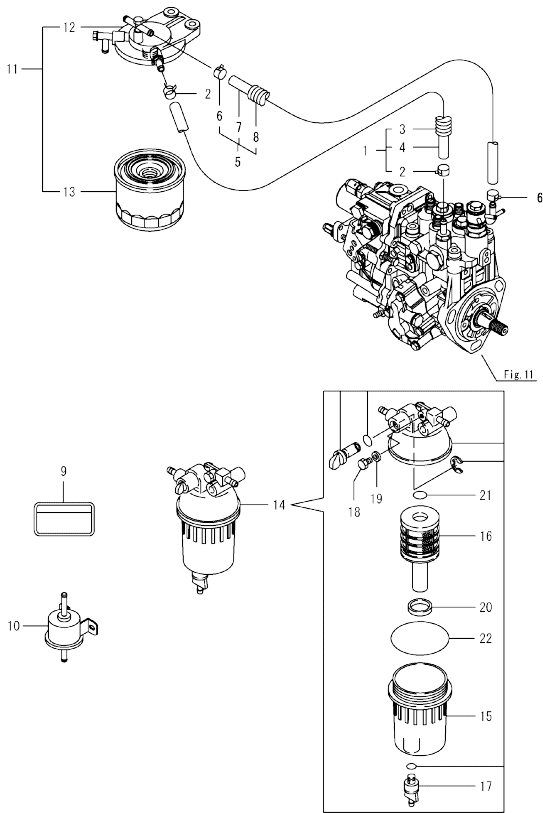


(A)=3TNV82A-BDGZ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729008-53100	VALVE ASSY,INJECTION	3							
2	2	114250-53080	NUT, NOZZLE D16.95	3							
8	2	129008-53000	VALVE ASSY,INJECTION	3							
11	2	114250-53120	SPRING, NOZZLE	3							
12	2	114250-53130	SEAT, SPRING	3							
13	2	114250-53140	PLATE	3							
14	2	114250-53210	PIN	6							
15	2	119803-53400	SHIM SET	3							
42	1	119305-59120	RETAINER, PIPE	1							
45	2	129150-59131	BOLT, M4X14	1							
46	1	129150-59120	RETAINER, PIPE	1							
49	2	129150-59131	BOLT, M4X14	2							
51	1	119802-59960	PIPE ASSY, INJECTION	1							
55	1	119802-59970	PIPE ASSY, INJECTION	1							
59	1	119802-59980	PIPE ASSY, INJECTION	1							
64	1	129263-59550	PIPE ASSY, RETURN	1							
65	2	129486-59320	TUBE, CORRUGATED	1							
66	2	119802-59550	PIPE ASSY, RETURN	1							
67	3	124722-59050	CLIP, HOSE 9	2							
68	3	119802-59560	PIPE, FUEL RETURN	1							
69	1	129486-59551	PIPE ASSY, RETURN	2							
70	2	124722-59050	CLIP, HOSE 9	4							
72	1	119593-59581	CAP	1							
73	1	124060-77680	CLIP, HOSE 10	1							

Fig.14. FUEL FILTER

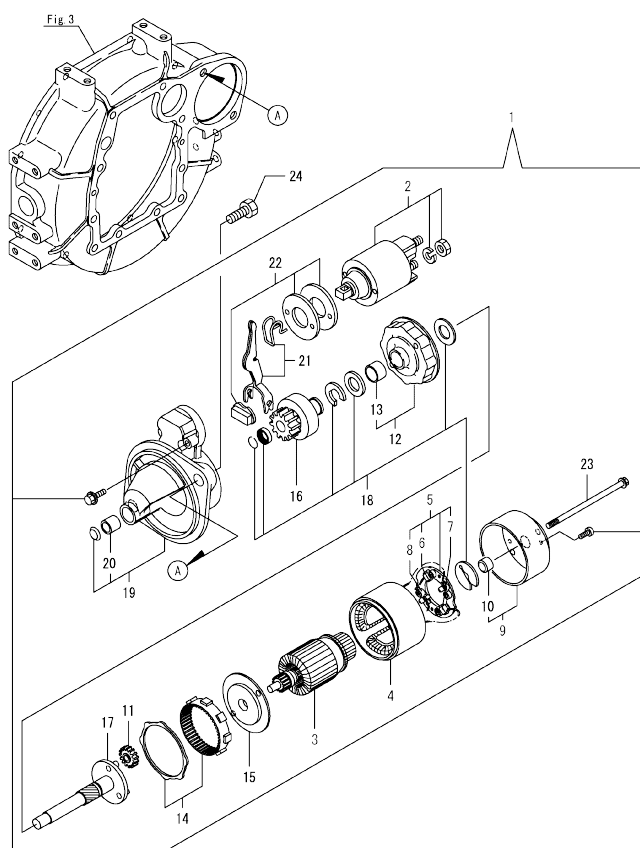


Remarks
(1)Loose parts.

(A)=3TNV82A-BDGZ
(B)=
(C)=

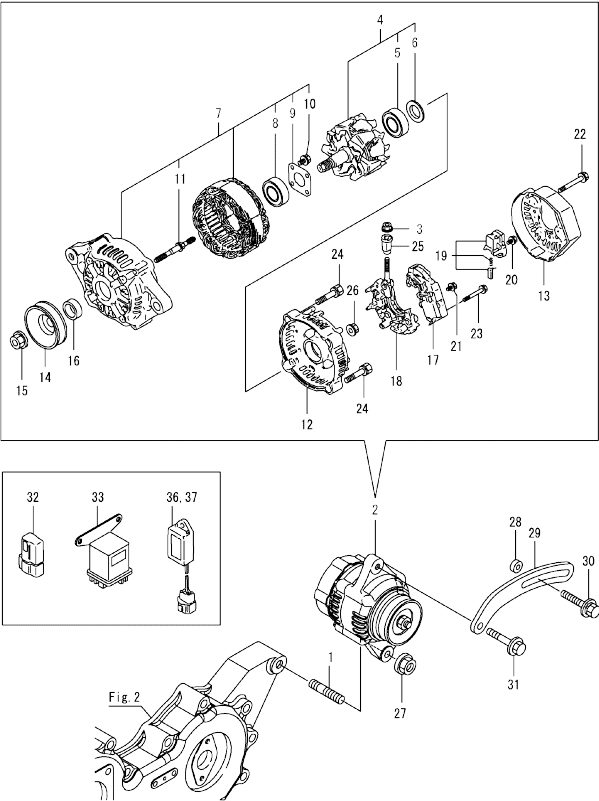
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129457-59010	PIPE ASSY, FUEL	1							1
2	2	124766-59050	CLIP, HOSE 11.5	2							1
3	2	129957-59120	TUBE, CORRUGATED	1							1
4	2	105025-59750	PIPE, FUEL	1							1
5	1	129961-59310	PIPE ASSY, FUEL	1							1
6	2	124766-59050	CLIP, HOSE 11.5	2							1
7	2	129136-59110	PIPE, D13/7.5X270	1							1
8	2	129961-59110	TUBE, CORRUGATED	1							1
9	1	114110-07761	LABEL, FUEL OIL CAUT	1							1
10	1	129612-52100	PUMP ASSY, FUEL FEED	1							1
11	1	129940-55601	FILTER ASSY, FUEL	1							1
12	2	129004-55612	BRACKET, FILTER	1							1
13	2	119802-55801	FILTER, FUEL	1							1
14	1	129242-55701	SEPARATOR ASSY	1							1
15	2	129242-55720	CUP	1							1
16	2	129242-55730	ELEMENT	1							1
17	2	129242-55740	PLUG, DRAIN	1							1
18	2	129242-55750	VALVE, AIR VENT	1							1
19	2	129242-55760	GASKET	1							1
20	2	129242-55770	FLOAT	1							1
21	2	24311-000160	O-RING, 1AP16.0	1							1
22	2	24321-000750	O-RING, 1AG75.0	1							1



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129242-77010	STARTER, 1.7	1							
2	2	129698-77020	SWITCH ASSY	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	4							
9	2	129242-77160	COVER ASSY	1							
10	3	129242-77170	METAL	1							
11	2	118400-77170	GEAR	3							
12	2	129242-77180	BRACKET	1							
13	3	129698-77190	BRACKET	1							
14	2	129698-77200	GEAR, INTERNAL	1							
15	2	129242-77210	BRACKET	1							
16	2	129698-77220	PINION ASSY	1							
17	2	129698-77230	SHAFT	1							
18	2	129698-77250	WASHER SET	1							
19	2	129242-77260	CASE ASSY	1							
20	3	X2114535200	METAL, STARTER	1							
21	2	129242-77270	LEVER SET	1							
22	2	129242-77280	COVER ASSY, DUST	1							
23	2	124195-77770	BOLT, THROUGH	2							
24	1	26116-120202	BOLT. M12X 20 PLATED	2							

Fig.16. GENERATOR



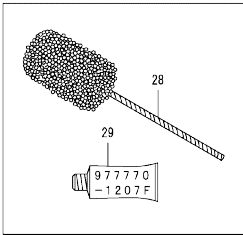
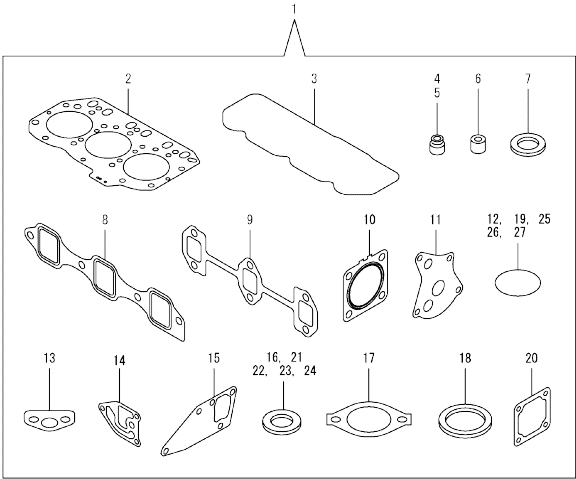
(A)=3TNV82A-BDGZ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129795-01900	STUD	1							
2	1	119626-77210	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	1							
7	2	129052-77422	FRAME ASSY	1							
8	3	119620-79200	BEARING, BALL	1							
9	3	119620-79210	PLATE, RETAINER	1							
10	3	119620-79220	SCREW	4							
11	3	119620-79230	STUD	2							
12	2	128401-77440	FRAME	1							
13	2	119626-77450	COVER	1							
14	2	119620-77461	PULLEY	1							
15	2	119620-77471	NUT	1							
16	2	119620-77490	COLLAR	1							
17	2	129423-77710	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	119940-77270	SPACER, GENERATOR	1							
29	1	119802-77330	ADJUSTER	1							
30	1	129972-77341	BOLT, ADJUSTER L=50	1							
31	1	26106-080452	BOLT, M8X 45 PLATED	1							
32	1	119643-66900	DIODE	1							1
33	1	119650-77911	RELAY ASSY, GLOW	1							1
36	1	128300-77920	TIMER	1							1
37	1	129211-77920	TIMER	1							1

Remarks
(1)Loose parts.

Fig.17. GASKET SET



Remarks
(1)Optional parts.

(A)=3TNV82A-BDGZ
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119980-92600	PACKING	1							1
2	2	119812-01330	GASKET, HEAD	1							
3	2	119802-11310	GASKET, BONNET	1							
4	2	119803-11340	SEAL, VALVE STEM	3							
5	2	124160-11340	SEAL, VALVE STEM	3							
6	2	119802-11870	PROTECTOR, NOZZLE	3							
7	2	119625-11880	SEAT, NOZZLE	3							
8	2	119810-12112	GASKET, MANIFOLD	1							
9	2	119810-13110	GASKET	1							
10	2	129004-13200	GASKET, SILENCER	1							
11	2	129150-32020	GASKET, PUMP	1							
12	2	119609-32040	O-RING, P16	2							
13	2	129150-35042	GASKET	1							
14	2	129103-35122	GASKET	1							
15	2	129486-42050	GASKET, WATER PUMP	1							
16	2	124465-44950	GASKET, 16	2							
17	2	129795-49551	GASKET	1							
18	2	129150-49811	GASKET, THERMOSTAT	1							
19	2	121850-51960	O-RING	1							
20	2	129150-77511	GASKET	1							
21	2	22190-080002	WASHER, SEAL 8	7							
22	2	22190-100002	WASHER, SEAL 10	2							
23	2	22190-220002	WASHER, SEAL 22	1							
24	2	23414-080000	GASKET, 8X1.0	1							
25	2	24311-000120	O-RING, 1AP12.0	3							
26	2	24311-000320	O-RING, 1AP32.0	2							
27	2	24341-000240	O-RING, 1AS24.0	1							
28	1	129400-92420	HONE	1							1
29	1	977770-1207F	GASKET,LIQUID	1							1

Parts No. Index

Parts No.	Fig. No.	Ref. No.
104211-11180	4	23
104211-11370	4	12
105025-59750	14	4
114110-07761	14	9
114250-39450	9	44
114250-53080	13	2
114250-53120	13	11
114250-53130	13	12
114250-53140	13	13
114250-53210	13	14
118400-77170	15	11
119131-18320	6	5
119233-77932	12	119
119285-01731	10	27
119305-59120	13	42
119593-59581	13	72
119609-32040	2	12
	17	12
119609-49520	10	26
119620-01750	3	3
119620-02020	1	10
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	29
	17	7
119626-77210	16	2
119626-77450	16	13
119640-01640	3	9
119643-66900	16	32
119650-77911	16	33
119660-61901	12	61
119802-01561	2	8
119802-03010	4	38
119802-03090	5	1
119802-03110	4	40
119802-03121	4	41
119802-03130	4	42

Parts No.	Fig. No.	Ref. No.
119802-03141	4	43
119802-11100	4	20
119802-11110	4	21
119802-11241	4	1
119802-11251	4	2
119802-11260	4	4
119802-11270	4	5
119802-11280	4	6
119802-11310	4	46
	17	3
119802-11350	4	37
119802-11650	4	8
119802-11810	4	58
119802-11870	4	28
	17	6
119802-11900	4	30
119802-13640	6	3
119802-13740	6	4
119802-14580	7	3
119802-22500	8	19
119802-22950	8	40
119802-25071	7	17
119802-25101	7	11
119802-25901	7	16
119802-34812	9	16
119802-39450	9	46
119802-42001	10	1
119802-49610	10	36
119802-49620	10	41
119802-49711	10	37
119802-49721	10	42
119802-49730	10	38
119802-51090	11	12
119802-51250	11	134
119802-51560	11	58
119802-51590	11	64
119802-51600	11	65
119802-51680	11	69
119802-51690	11	70
119802-55801	14	13
119802-59320	10	40
119802-59550	13	66
119802-59560	13	68
119802-59960	13	51
119802-59970	13	55
119802-59980	13	59
119802-77330	16	29
119803-01520	2	7
119803-11340	4	24
	17	4

Parts No.	Fig. No.	Ref. No.
119803-11700	4	13
119803-12140	5	4
119803-21000	8	1
119803-21200	8	5
119803-22080	8	17
119803-25050	7	10
119803-53400	13	15
119803-77520	5	7
119803-77821	4	55
119803-77830	4	56
119807-61420	12	24
119810-01200	1	28
119810-01730	3	6
119810-02871	1	33
119810-02931	1	16
119810-02941	1	36
119810-11120	4	22
119810-12112	5	3
	17	8
119810-13100	6	1
119810-13110	6	2
	17	9
119810-14400	7	2
119810-23200	8	32
119810-23601	8	33
119810-23611	8	36
119810-23910	8	35
119810-35401	9	19
119810-42051	10	3
119810-42120	10	4
119810-42281	10	8
119810-42290	10	9
119812-01330	1	29
	17	2
119813-22300	8	26
119843-01780	3	8
119865-21600	8	16
119934-01800	2	6
119934-59910	11	131
119940-59130	9	40
119940-77270	16	28
119944-49300	9	42
119980-92600	17	1
120270-54410	4	31
121023-01551	2	22
121111-21501	8	12
121250-44901	10	33
121450-42450	10	32
121520-34810	9	17
121850-51960	2	13

Parts No.	Fig. No.	Ref. No.
121850-51960	17	19
123501-79240	16	5
124060-01050	1	5
124060-11800	4	57
124060-77680	13	73
124160-01751	2	9
	4	36
124160-01910	1	7
		8
124160-11340	4	25
	17	5
124160-11360	4	49
124160-39140	9	45
124195-77770	15	23
124240-01871	2	10
124465-44950	10	34
		35
	17	16
124722-59050	10	39
		43
	13	67
		70
124756-67510	12	120
124766-59050	14	2
		6
128300-77920	16	36
128401-77440	16	12
129001-01250	1	6
129001-32001	9	1
129004-13200	6	7
	17	10
129004-55612	14	12
129005-59830	9	47
129006-35100	9	27
129006-44480	9	32
129008-51390	11	40
129008-51900	11	10
129008-51920	11	11
129008-53000	13	8
129008-77800	4	54
129052-77380	16	4
129052-77422	16	7
129052-79260	16	18
129052-79270	16	19
129054-42320	10	11
129100-01580	3	1
		14
	8	2
129100-01640	3	15
129103-35122	17	14

Parts No. Index

Parts No.	Fig. No.	Ref. No.
129136-59110	14	7
129150-02450	7	4
129150-03070	4	39
129150-11230	4	9
129150-11280	4	7
129150-11750	4	11
129150-14101	7	7
129150-14200	7	1
129150-25301	7	15
129150-32020	9	14
	17	11
129150-35042	9	18
	17	13
129150-35111	9	30
129150-35153	9	54
129150-49811	10	25
	17	18
129150-59120	13	46
129150-59131	13	45
		49
129150-77511	5	6
	17	20
129155-42350	10	21
129155-49801	10	24
129155-51280	12	6
129155-61460	12	26
129211-77920	16	37
129242-55701	14	14
129242-55720	14	15
129242-55730	14	16
129242-55740	14	17
129242-55750	14	18
129242-55760	14	19
129242-55770	14	20
129242-77010	15	1
129242-77100	15	3
129242-77110	15	4
129242-77120	15	5
129242-77130	15	6
129242-77140	15	7
129242-77150	15	8
129242-77160	15	9
129242-77170	15	10
129242-77180	15	12
129242-77210	15	15
129242-77260	15	19
129242-77270	15	21
129242-77280	15	22
129255-61410	12	23
129263-59550	13	64

Parts No.	Fig. No.	Ref. No.
129400-92420	17	28
129410-03990	5	2
129417-33111	9	26
129417-35150	9	29
129423-77710	16	17
129457-59010	14	1
129486-01670	3	18
129486-42050	10	16
	17	15
129486-59320	13	65
129486-59551	13	69
129489-21590	8	13
129508-33010	9	24
129508-33050	9	25
129508-49030	9	33
129508-49040	9	37
129564-21650	8	10
129612-01600	3	2
129612-42290	10	22
129612-52100	14	10
129698-77020	15	2
129698-77190	15	13
129698-77200	15	14
129698-77220	15	16
129698-77230	15	17
129698-77250	15	18
129792-22400	8	27
129795-01780	3	17
129795-01900	16	1
129795-01950	2	11
129795-02412	1	13
129795-21661	8	11
129795-49551	10	29
	17	17
129900-07900	4	52
129916-21610	8	9
129940-55601	14	11
129957-59120	14	3
129961-59110	14	8
129961-59310	14	5
129972-77341	16	30
158552-51151	11	15
158552-51571	11	59
		60
158552-51580	11	63
158552-51600	11	73
158552-51670	11	127
158552-51781	11	99
158552-52100	11	129
158552-52311	11	108

Parts No.	Fig. No.	Ref. No.
158552-52400	11	109
158552-52500	11	130
158552-61061	12	87
158552-61441	12	25
158552-61900	12	78
158553-51551	11	125
158553-51630	11	74
158553-51650	11	76
158553-51660	11	77
158553-51670	11	68
158553-51680	11	78
158553-51770	11	105
158553-51930	11	102
	12	7
158553-61050	12	3
158553-61070	12	4
158557-51570	11	61
158563-51281	11	38
		39
158563-51330	11	49
158600-51270	11	37
158601-51550	11	57
158601-51570	11	62
158601-51650	11	126
158601-51770	11	98
158601-51790	11	100
171008-03990	9	34
		38
171051-01921	1	9
171056-49120	9	53
22190-080002	2	14
	9	48
		50
	17	21
22190-100002	9	51
	17	22
22190-120002	11	103
		110
		132
	12	65
22190-180002	11	104
		111
22190-220002	3	11
	17	23
22217-140000	11	112
22272-000070	12	121
22312-050140	11	113
22351-050010	11	114
22351-060012	4	32
22512-070140	7	8

Parts No.	Fig. No.	Ref. No.
22512-070140	8	6
		8
22857-500100	4	47
		48
23080-015000	9	36
		41
23414-080000	10	17
	17	24
23857-030000	9	49
23876-030000	10	13
24311-000070	11	116
24311-000120	4	50
	17	25
24311-000160	14	21
24311-000320	2	15
	4	51
	17	26
24321-000750	14	22
24341-000240	2	23
	17	27
24356-190180	11	117
24356-190200	11	71
		118
24372-000150	11	72
26106-060102	11	119
	12	68
26106-060122	10	23
26106-060142	10	14
	12	84
		85
26106-060162	2	24
26106-060202	10	15
	12	86
26106-080122	10	18
26106-080142	7	9
26106-080162	2	16
		17
	3	12
	4	53
	11	135
26106-080202	5	8
	9	43
	11	136
26106-080252	4	33
	5	5
26106-080302	2	18
	10	30
26106-080352	3	19
	9	23
	10	19

Parts No. Index

Parts No.	Fig. No.	Ref. No.
26106-080402	7	14
26106-080452	3	13
	4	34
	16	31
26106-080502	4	35
26106-080552	2	19
	10	20
26106-080652	10	31
26106-080802	5	9
26106-080852	2	20
26116-120202	15	24
26206-100252	3	4
26206-100302	3	5
26306-080002	2	21
	6	6
26306-100002	16	27
26366-060002	9	52
26450-060252	9	15
26450-080452	11	121
26756-060002	12	69
26776-140002	11	122
27241-120000	1	14
27241-300000	1	15
27241-400000	4	19
27310-070001	4	26
719802-01560	1	1
719803-01500	2	1
719803-22900	8	38
719810-02981	1	30
719810-23100	8	28
719980-51370	11	1
729008-53100	13	1
977770-1207F	17	29
X2114535200	15	20
X9490561001	16	3

Parts No.	Fig. No.	Ref. No.
-----------	----------	----------

Parts No.	Fig. No.	Ref. No.
-----------	----------	----------

Parts No.	Fig. No.	Ref. No.
-----------	----------	----------