

0CV10-M98000EN

PREFACE

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNV82A-GMG engine manufactured since June, 2004.
2. Each illustration corresponds to the parts list on the following page.
3. When ordering parts, clearly write down 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.

Directions for the Parts Catalog.

1. The parts stipulated in this Parts Catalog are not necessarily standard equipped parts.
2. Parts may change without prior notice.
3. The following is an example of the Parts Catalog format.

OCF10-G21601 29. FUEL INJECTION PUMP(W/BOOST)										
REF.	LEV.	PARTS NO.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)	
1	1	729595-51390	FUEL INJECTION PUMP	1	1	1	1	1		1
1-1	1	729595-51391	FUEL INJECTION PUMP	1	1	1	1	1	N	1
		(A=E00185) (B=E00200)								
3	2	26022-060162	SCREW M 6X 16	9	9	9	9	9		
3-1	2	26022-060162	SCREW M 6X 16	4	4	4	4	4	K	
		(A=E00156) (B=E00156) (C=E00156) (D=E00156) (E=E00156)								
4	2	129470-51040	CAMSHAFT	1	1	1	1	1		
5	2	122710-51050	BEARING, ROLLER	2	2	2	2	2		
6	2	129470-51060	RETAINER	1	1	1	1	1		

Remarks

(1) BOOST COMPENSATOR TYPE. OPTIONAL PART, TO E00155, (4JH-DT, 4JH-DTZ)

① Ref. No.

The Ref. No. listed may not be in accordance with the illustration Ref. No.

(Ex.) Illustration No.

List Ref No.

1 1 (Before change) → 1-1 (After change)

For interchangeable symbols N, R and K, illustrations for new parts may be abbreviated.

② Lev. (Level)

Level indication

The numbers below indicate the level of relativity towards the main part.

1 ---- Main parts (Assembly parts)

2 ---- Sub component included in " 1 ".

3 ---- Sub component included in " 2 ".

Note) Parts that are not for sale are partially illustrated but not listed.

③ Interchangeability Mark

When a part change takes place, one of the following interchangeability symbols is indicated beside the part.

Symbol	Interchangeability	Contents note
N	Old $\xrightarrow{\text{Yes}}$ New No $\xrightarrow{\text{No}}$	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\xrightarrow{\text{No}}$ New Yes $\xrightarrow{\text{Yes}}$	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\xrightarrow{\text{Yes}}$ New Yes $\xrightarrow{\text{Yes}}$	New/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New No $\xrightarrow{\text{No}}$	New/ Old Parts are both not interchangeable.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable by a single part but interchangeable together with related parts.
K		Changes only for used parts quantities.

④ Effective Machine No.

When a part changes, the effective Machine No. will be indicated in the (A)-(F) column.

Product Symbol	Product No.	Product Symbol	Product No.
C	Clutch No. Compressor No.	F	Machine No. (Agricultural Equip.)
D	Drive No.	M	Machine No.
E	Engine No.		

Note 1) A date may follow the symbol. (Ex.) 1996.01

Note 2) "XXXXX" and "ZZZZZ" are for parts that could not be predicted or for engine models that could not be identified.

Note 3) (A=E00185) is the E (Engine Serial Number) for the column (A) model (in this case 4JH-DT) after the parts design change.

⑤ Remarks Mark

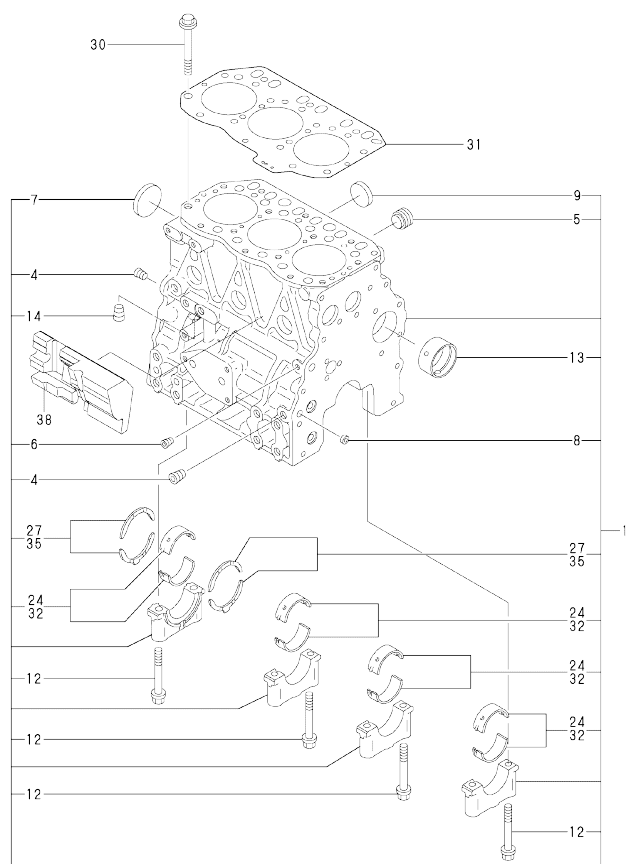
Figures or alphabets (symbols) are entered in the remarks column.

The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

Contents

Fig. No.	Fig. Name	Fig. No.	Fig. Name
ENGINE 3TNV82A-GMG			
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	MOUNTING FLANGE & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD		
6.	CAMSHAFT & DRIVING GEAR		
7.	CRANKSHAFT & PISTON		
8.	LUB.OIL SYSTEM		
9.	COOLING WATER SYSTEM		
10.	FUEL INJECTION PUMP		
11.	FUEL INJECTION VALVE		
12.	FUEL PIPE		
13.	STARTING MOTOR		
14.	GENERATOR		
17.	(14A)GENERATOR		
15.	GASKET SET & TOOLS		
16.	GOVERNOR		

Fig.1. CYLINDER BLOCK



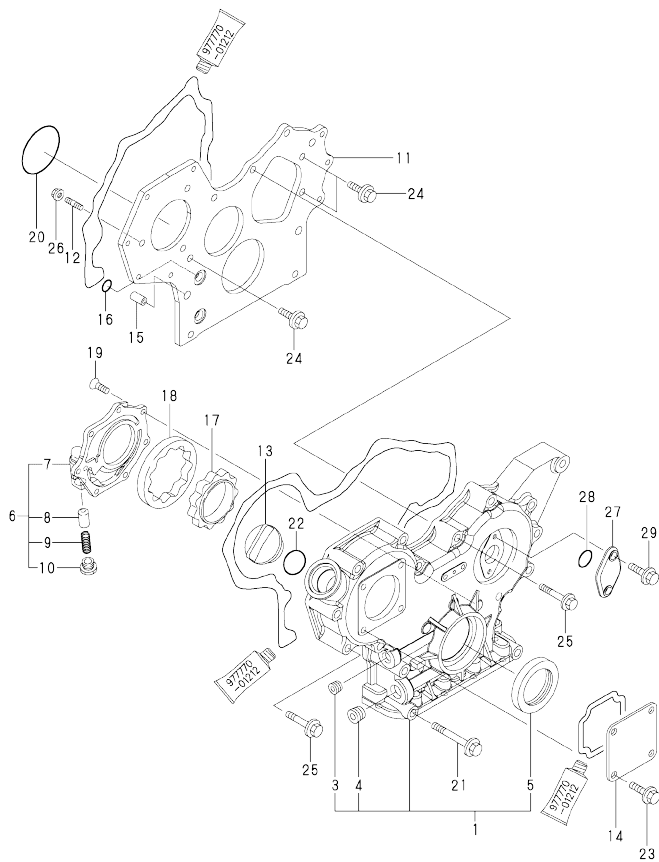
Remarks
(1)UNDER SIZED(U.S.=0.25)PART.
(2)OVER SIZED(O.S.=0.25)PART.
(3)REPAIR PART.

				(A)=3TNV82A-GMG				(D)=				I	R
				(B)=				(E)=					
				(C)=				(F)=					
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty	(D)	(E)	(F)			
1	1	719802-01560	BLOCK ASSY, CYLINDER	1									
4	3	124160-01910	PLUG, PT1/4	2									
5	3	171051-01921	PLUG, NPTF1	1									
6	3	124060-01050	PLUG, PT1/8	1									
7	3	129001-01250	PLUG, 50	1									
8	3	27241-120000	PLUG, 12	2									
9	3	27241-300000	PLUG 30	6									
12	3	119620-02020	BOLT, METAL CAP	8									
13	3	129795-02411	BUSH, CAMSHAFT	1									
14	3	124160-01910	PLUG, PT1/4	1									
24	2	719810-02980	BEARING, MAIN	4								3	
27	2	719810-02930	BEARING, THRUST	1									
30	1	719810-01200	BOLT, HEAD	14									
31	1	719812-01330	GASKET, HEAD	1									
32	1	719810-02870	BEARING, 0.25 US	4								1	
35	1	719810-02940	BEARING, THRUST 0.25	2								2	
38	1	719802-01190	SPACER	1									

N:Old $\xrightarrow{\text{Yes}} \text{New}$, Q:Old $\xrightarrow{\text{No}} \text{New}$, R:Old $\xrightarrow{\text{Yes}} \text{New}$, S:Old $\xrightarrow{\text{No}} \text{New}$, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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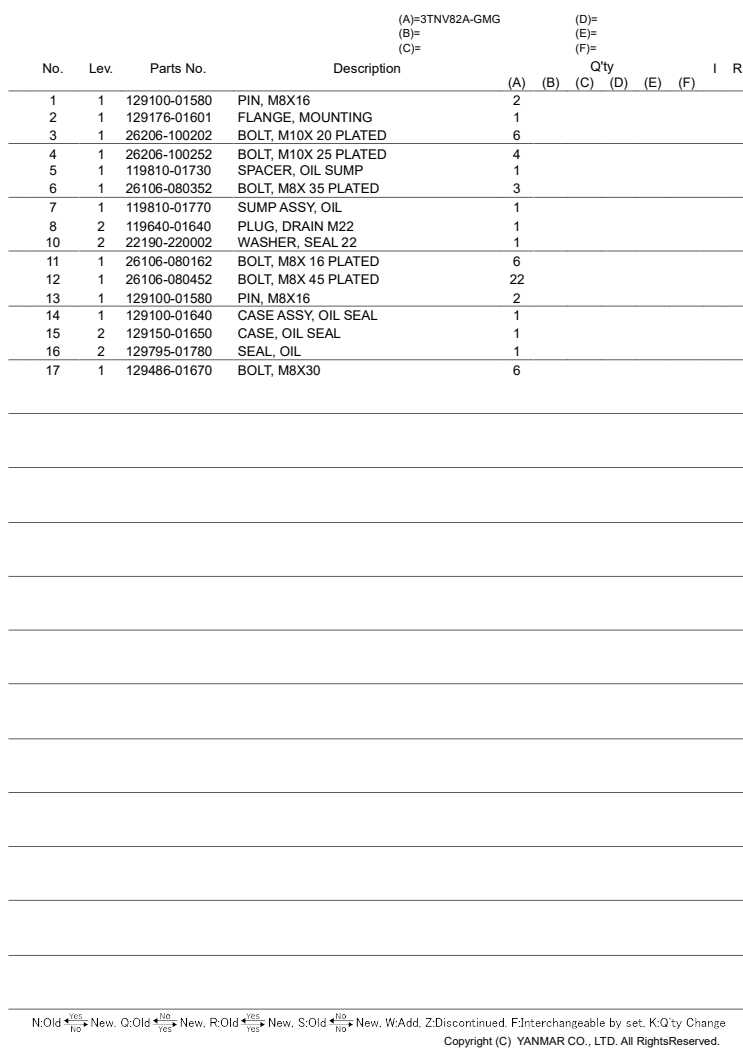
Fig.2. GEAR HOUSING



Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.10).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-01500	CASE ASSY, GEAR	1							
3	3	23876-030000	PLUG, R03	1							
4	3	23876-040000	PLUG, R04	1							
5	2	129795-01800	SEAL, OIL	1							
6	1	119802-32100	COVER ASSY	1							
7	2	119802-32070	COVER	1							
8	2	129900-32130	VALVE, RELIEF	1							
9	2	129418-32320	SPRING	1							
10	2	129001-32330	PLUG	1							
11	1	119802-01520	FLANGE, GEAR CASE	1							
12	1	119802-01560	STUD, M8X25	3							
13	1	124160-01751	COVER, FILLER	1							
14	1	124240-01871	COVER	1							
15	1	129795-01950	PIPE, KNOCK L=18	2							
16	1	119609-32040	O-RING, P16	4							
17	1	119802-32111	ROTOR, INNER	1							
18	1	119802-32120	ROTOR, OUTER	1							
19	1	119802-32130	SCREW, M6X16	7							
20	1	121850-51960	O-RING	1							
21	1	129001-91841	BOLT, M8X85	3							
22	1	24311-000320	O-RING, 1AP32.0	1							
23	1	26106-080162	BOLT, M8X 16 PLATED	4							
24	1	26106-080162	BOLT, M8X 16 PLATED	3							
25	1	26106-080552	BOLT, M8X 55 PLATED	12							
26	1	26306-080002	NUT, M8	3							
27	1	121023-01550	COVER	1							
28	1	24341-000240	O-RING, 1AS24.0	1							
29	1	26106-060162	BOLT, M6X 16 PLATED	2							

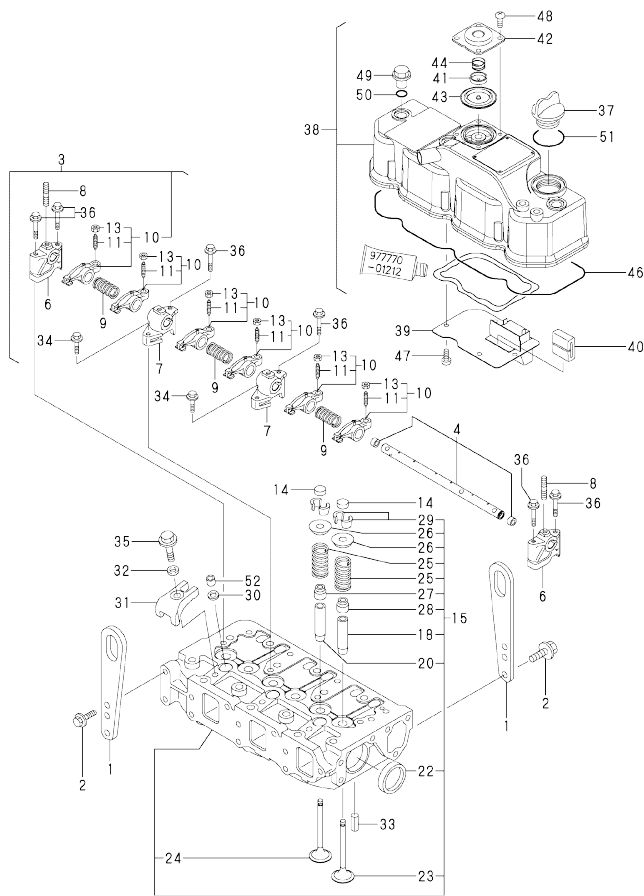
Fig.3. MOUNTING FLANGE & OIL SUMP



N:Old $\xrightarrow{\text{Yes}} \text{New, Q:Old} \xrightarrow{\text{No}} \text{New, R:Old} \xrightarrow{\text{Yes}} \text{New, S:Old} \xrightarrow{\text{No}} \text{New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change}$
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Fig.4. CYLINDER HEAD & BONNET

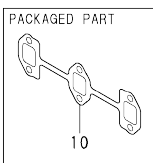


Remarks
(1)REPAIR PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER	2							
2	1	26106-080142	BOLT, M8X 14 PLATED	4							
3	1	119802-11241	SHAFT ASSY, ROCKER	1							
4	2	119802-11251	SHAFT, ROCKER ARM	1							
6	2	119802-11260	SUPPORT, ROCKER ARM	2							
7	2	119802-11270	SUPPORT, ROCKER ARM	2							
8	2	119802-11280	STUD	3							
9	2	129150-11280	SPRING	3							
10	2	119802-11650	ARM, ROCKER	6							
11	3	129150-11230	SCREW, VALVE ADJUST	6							
13	3	129150-11750	NUT, M8	6							
14	1	104211-11370	CAP, VALVE	6							
15	1	119802-11700	HEAD ASSY, CYLINDER	1							
18	3	124060-11800	GUIDE, VALVE	3							1
20	3	119802-11810	GUIDE, VALVE	3							1
22	3	27241-400000	PLUG, 40	2							
23	2	119802-11100	VALVE, INTAKE	3							
24	2	119802-11110	VALVE, EXHAUST	3							
25	2	119810-11120	SPRING, VALVE	6							
26	2	104211-11180	RETAINER, SPRING	6							
27	2	124160-11340	SEAL, VALVE STEM	3							
28	2	124950-11340	SEAL, VALVE STEM	3							
29	2	27310-070001	COTTER, 7	6							
30	1	119625-11880	SEAT, NOZZLE	3							
31	1	119802-11900	RETAINER, NOZZLE	3							
32	1	120270-54410	WASHER, INJECTOR	3							
33	1	22351-060012	PIN, SPRING 6.0X12	2							
34	1	26106-080252	BOLT, M8X 25 PLATED	2							
35	1	26106-080452	BOLT, M8X 45 PLATED	3							
36	1	26106-080502	BOLT, M8X 50 PLATED	6							
37	1	124160-01751	COVER, FILLER	1							
38	1	119802-11350	BONNET ASSY, HEAD	1							
39	2	119802-03010	PLATE	1							
40	2	129150-03070	BAFFLE, BREATHER	1							
41	2	119802-03110	PLATE	1							
42	2	119802-03121	COVER, DIAPHRAGM	1							
43	2	119802-03130	DIAPHRAGM	1							
44	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	119802-11870	PROTECTOR, NOZZLE	3							

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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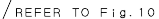
Fig.5. SUCTION MANIFOLD



				(A)=3TNV82A-GMG	(D)=					
				(B)=	(E)=					
				(C)=	(F)=					
No.	Lev.	Parts No.	Description	Q'ty						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	119802-03080	PIPE , BREATHER	1						
2	2	129410-03990	CLAMP 22	2						
3	1	119802-12100	MANIFOLD, AIR INTAKE	1						
4	1	119813-12110	GASKET, MANIFOLD	1						
5	1	26106-080202	BOLT, M8X 20 PLATED	4						
6	1	26106-080802	BOLT, M8X 80 PLATED	2						
7	1	129150-77511	GASKET	1						
8	1	129120-77501	HEATER	1						
9	1	26106-080352	BOLT, M8X 35 PLATED	4						
10	1	119810-13110	GASKET	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:Q'ty Change

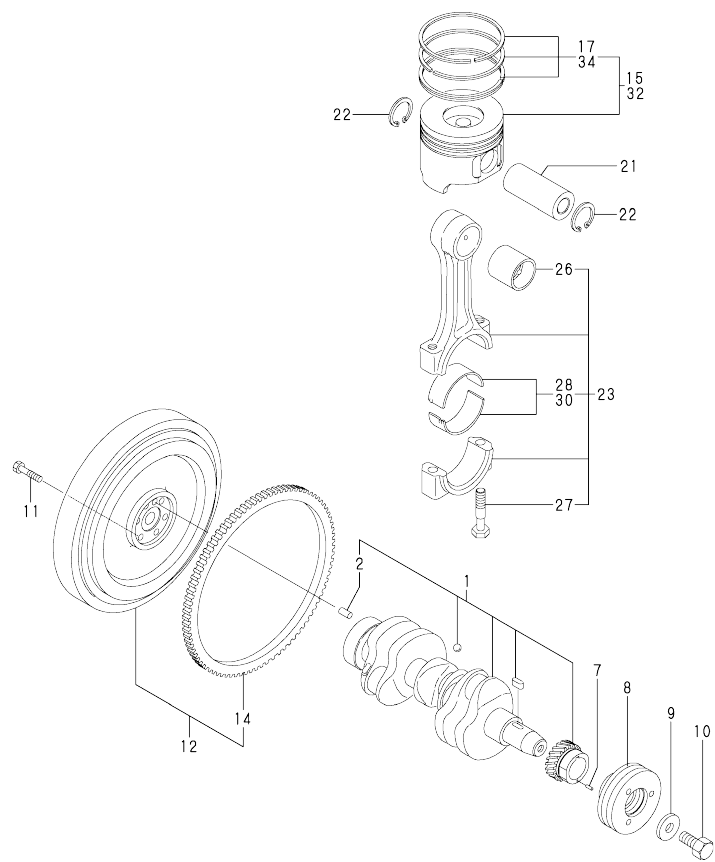
Fig.6. CAMSHAFT & DRIVING GEAR

[illegible]

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

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Fig.7. CRANKSHAFT & PISTON



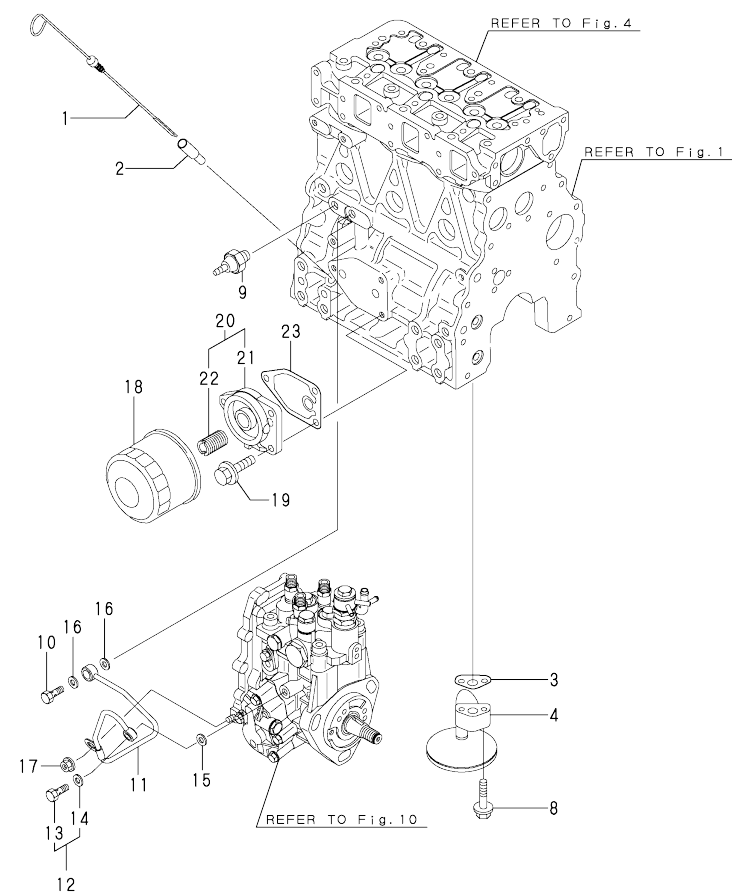
Remarks
(1)REPAIR PART.
(2)UNDER SIZED(U.S.=0.25)PART.
(3)OVER SIZED(O.S.=0.25)PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-21002	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
7	1	22351-030010	PIN, SPRING 3.0X10	1							
8	1	119802-21660	V-PULLEY, 120	1							
9	1	129795-21661	WASHER	1							
10	1	121850-21680	BOLT	1							
11	1	121111-21501	BOLT, FLYWHEEL	6							
12	1	129489-21570	FLYWHEEL ASSY	1							
14	2	124550-21600	GEAR, RING	1							
15	1	119802-22080	PISTON ASSY	3							
17	2	119802-22500	RING SET, PISTON	3							
21	1	119813-22300	PIN, PISTON	3							
22	1	129792-22400	CIRCLIP, 23	6							
23	1	719810-23100	ROD ASSY, CONNECTING	3							
26	2	119810-23910	BEARING, PISTON PIN	3							1
27	2	119810-23200	BOLT, CONNECTING ROD	6							
28	2	119810-23600	BEARING, CRANK PIN	3							
30	1	119810-23610	BEARING, 0.25 US	3							2
32	1	719802-22900	PISTON ASSY, 0.25 OS	3							3
34	2	719802-22950	RING SET, 0.25 OS	3							3

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.8. LUB.OIL SYSTEM



Remarks
(1) REPAIR PART.

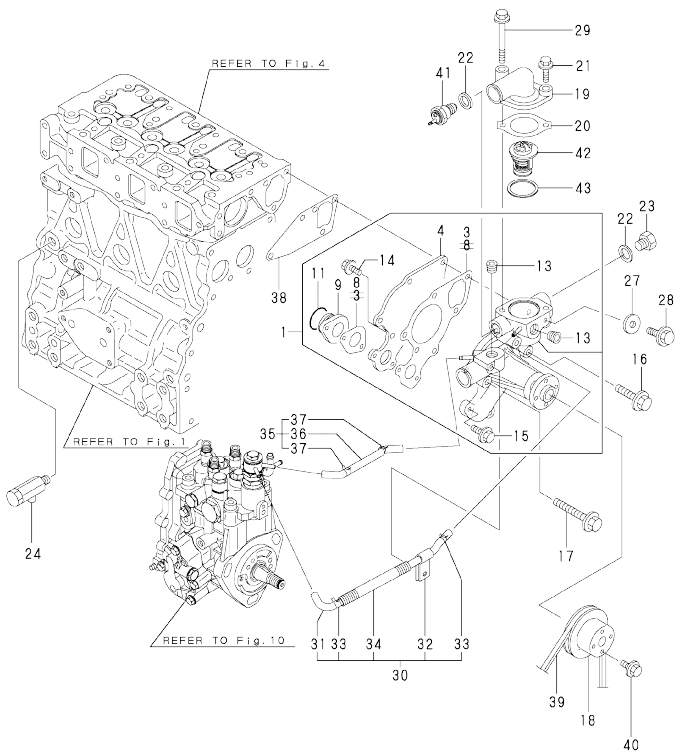
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119932-34800	DIPSTICK, OIL	1							
2	1	121520-34810	GUIDE, DIPSTICK	1							
3	1	129150-35041	GASKET	1							
4	1	119810-35300	PIPE ASSY, OIL INLET	1							
8	1	26106-080352	BOLT, M8X 35 PLATED	2							
9	1	114250-39450	SWITCH, 0.5KG	1							
10	1	124160-39140	BOLT, PIPE JOINT M10	1							
11	1	119802-39450	PIPE ASSY, OIL	1							
12	1	129005-59830	BOLT ASSY, JOINT M8	1							
13	2	23857-030000	BOLT, JOINT 3	1							
14	2	22190-080002	WASHER, SEAL 6	1							
15	1	22190-080002	WASHER, SEAL 6	1							
16	1	22190-100002	WASHER, SEAL 10	2							
17	1	26366-060002	NUT, M6	1							
18	1	129150-35153	FILTER 80X80L	1							1
19	1	26106-080202	BOLT, M8X 20 PLATED	3							
20	1	119802-35100	BRACKET ASSY, FILTER	1							
21	2	119802-35110	BRACKET, FILTER	1							
22	2	129100-35140	STUD	1							
23	1	129150-35111	GASKET	1							

N:Old $\xrightarrow{\text{YES}} \text{New}$, Q:Old $\xrightarrow{\text{NO}} \text{New}$, R:Old $\xrightarrow{\text{YES}} \text{New}$, S:Old $\xrightarrow{\text{NO}} \text{New}$, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.9. COOLING WATER SYSTEM

P/C NEWS No.:Y00V9800-1
PUBLISHED :2006/4

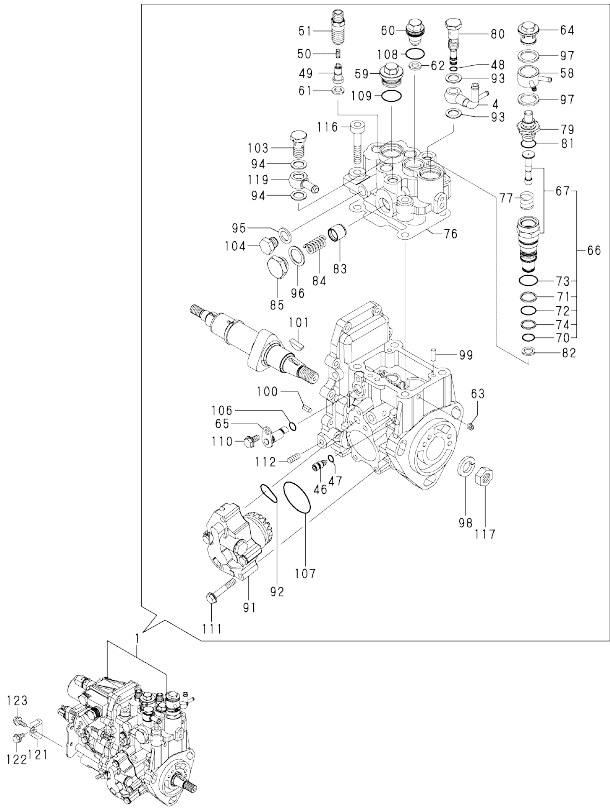


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-42000	PUMP ASSY, WATER	1							
3	2	119810-42051	GASKET, WATER PUMP	1							
4	2	119810-42120	PLATE	1							
8	2	119810-42281	GASKET, WATER PUMP	1							
9	2	119810-42290	PIPE	1							
11	2	129054-42320	O-RING	1							
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	26106-080352	BOLT, M8X 35 PLATED	1							
17	1	26106-080552	BOLT, M8X 55 PLATED	3							
18	1	129155-42350	V-PULLEY	1							
19	1	124101-49531	COVER, THERMOSTAT	1							
20	1	129795-49551	GASKET	1							
21	1	26106-080252	BOLT, M8X 25 PLATED	1							
22	1	124465-44950	GASKET, 16	2							
23	1	121450-42450	PLUG, M16	1							
24	1	119620-49290	COCK ASSY, 1/4	1							
27	1	23414-080000	GASKET, 8X1.0	1							
28	1	26106-080122	BOLT, M8X 12 PLATED	1							
29	1	26106-080652	BOLT, M8X 65 PLATED	1							
30	1	119802-49610	PIPE ASSY, WATER	1							
31	2	119802-49711	PIPE ASSY, WATER	1							
32	2	119802-49730	RETAINER, PIPE	1							
33	2	124722-59050	CLIP, HOSE 9	2							
34	2	119802-59320	TUBE, CORRUGATED	1							
35	1	119802-49620	PIPE ASSY, WATER	1							
36	2	119802-49721	PIPE ASSY, WATER	1							
37	2	124722-59050	CLIP, HOSE 9	2							
38	1	129486-42050	GASKET, WATER PUMP	1							
39	1	25132-003800	V-BELT, A38	1							
40	1	26106-060122	BOLT, M6X 12 PLATED	4							
41	1	46150-503100	SWITCH, 95	1							
42	1	129155-49801	THERMOSTAT, 71	1							
43	1	129150-49811	GASKET, THERMOSTAT	1							

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Fig.10. FUEL INJECTION PUMP

P/C NEWS No. : Y00V9800-1
PUBLISHED : 2005/1

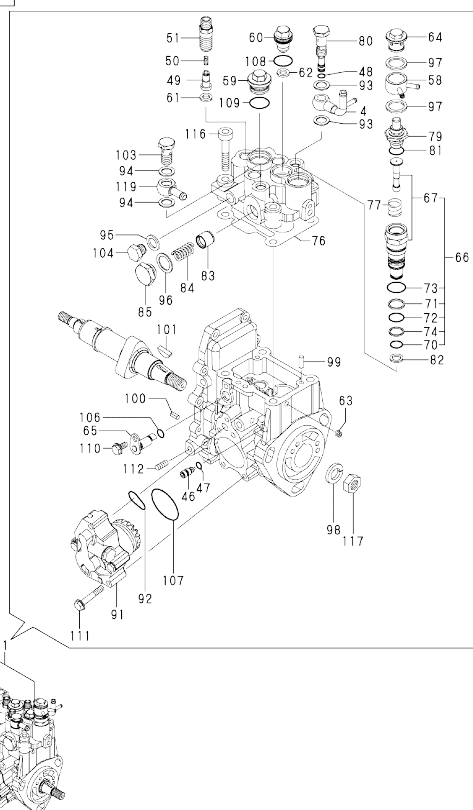


Remarks
* COMPONENT PART WAS DEVELOPED.
(1)GOVERNOR ASSY(FIG.16) IS
INCORPORATED IN THIS FUEL
INJECTION PUMP.(REF.NO.1)

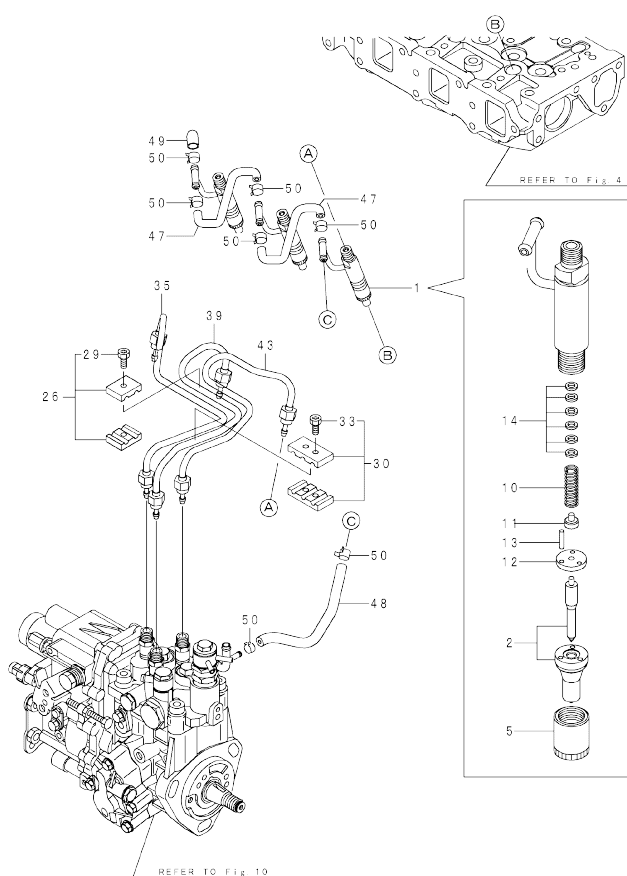
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719946-51390	PUMP ASSY, INJECTION	1							1
4	2	158552-51670	JOINT, OVER FLOW	1							
46	3	158600-51270	STOPPER, TAPPET	1							
47	3	158563-51281	O-RING, 4D S6	1							
48	3	158563-51281	O-RING, 4D S6	1							
49	3	158560-51300	VALVE ASSY, DELIVERY	3							
50	3	158563-51330	SPRING, DELIVERY	3							
51	3	158601-51340	HOLDER, DELIVERY	3							
58	3	158553-51550	JOINT	1							
59	3	158601-51550	PLUG	1							
60	3	119802-51560	PLUG, BARREL	1							
61	3	158552-51570	GASKET	3							
62	3	158552-51570	GASKET	1							
63	3	158557-51570	PLUG	1							
64	3	158601-51570	PLUG	1							
65	3	158552-51580	LIFTER	1							
66	3	119802-51590	TIMER SET	1							
67	4	119802-51600	TIMER ASSY	1							
70	4	158553-51670	O-RING, 1011	1							
71	4	119802-51680	RING, BACK UP	1							
72	4	119802-51690	O-RING	1							
73	4	24356-010200	O-RING, 4D1020	1							
74	4	24372-000150	RING, BACK UP T2P15	1							
76	3	158552-51600	GASKET	1							
77	3	158553-51630	SPRING, TIMER	1							
79	3	158553-51640	ELEMENT	1							
80	3	158601-51650	JOINT, OVER FLOW	1							
81	3	158553-51660	O-RING, P14	1							
82	3	158553-51680	GASKET	1							
83	3	158601-51770	PISTON	1							
84	3	158552-51780	SPRING	1							
85	3	158601-51790	PLUG	1							
91	3	158552-52100	PUMP ASSY, FUEL FEED	1							
92	3	158552-52310	O-RING	1							
93	3	22190-120002	WASHER, SEAL 12	2							
94	3	22190-120002	WASHER, SEAL 12	2							
95	3	22190-120002	WASHER, SEAL 12	1							
96	3	22190-180002	WASHER, SEAL 18	1							
97	3	22190-180002	WASHER, SEAL 18	2							
98	3	22217-140000	WASHER, SPRING 14	1							
99	3	22312-050140	PIN, PARALLEL M5X14	2							
100	3	22351-050010	PIN, SPRING 5.0X10	2							
101	3	119802-51090	KEY, 4X16	1							
103	3	23857-060000	BOLT, JOINT 6	1							
104	3	23887-120002	PLUG, 12	1							
106	3	24311-000070	O-RING, 1AP7.0	1							
107	3	158552-52400	O-RING, 4E S42	1							
108	3	24356-010180	O-RING, 4D1018	1							
109	3	24356-010200	O-RING, 4D1020	1							
110	3	26106-060102	BOLT, M6X 10 PLATED	1							
111	3	26106-060352	BOLT, M6X 35 PLATED	4							

N:Old, N:New, O:Old, R:New, S:Old, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Fig.10. FUEL INJECTION PUMP

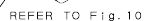


No.	Lev.	Parts No.	Description	(A)=3TNV82A-GMG						I	R
				(B)=	(C)=	(D)=	(E)=	(F)=			
				Q'ty							
				(A)	(B)	(C)	(D)	(E)	(F)		
112	3	26216-060162	STUD, M6X 16	1							
116	3	26450-080452	BOLT, M8X 45	4							
117	3	26776-140002	NUT, LOCK M14	1							
119	2	129916-59020	JOINT, PIPE 12	1							
121	1	119802-51250	RETAINER, PUMP	1							
122	1	26106-080162	BOLT, M8X 16 PLATED	1							
123	1	26106-080202	BOLT, M8X 20 PLATED	1							



No.	Lev.	Parts No.	Description	(A)=3TNV82A-GMG (B)= (C)=			(D)= (E)= (F)=			I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719946-53100	VALVE ASSY,INJECTION	3							
2	2	119946-53000	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
10	2	114250-53120	SPRING, NOZZLE	3							
11	2	114250-53130	SEAT, SPRING	3							
12	2	114250-53140	PLATE	3							
13	2	114250-53210	PIN	6							
14	2	114250-53400	SHIM SET	3							
26	1	119305-59120	RETAINER, PIPE	1							
29	2	129150-59131	BOLT, M4X14	1							
30	1	129150-59120	RETAINER, PIPE	1							
33	2	129150-59131	BOLT, M4X14	2							
35	1	119802-59810	PIPE ASSY, INJECTION	1							
39	1	119802-59820	PIPE ASSY, INJECTION	1							
43	1	119802-59830	PIPE ASSY, INJECTION	1							
47	1	129270-59550	PIPE, FUEL	2							
48	1	119802-59570	PIPE, FUEL	1							
49	1	129270-59580	CAP	1							
50	1	23000-013000	CLAMP, 13	7							

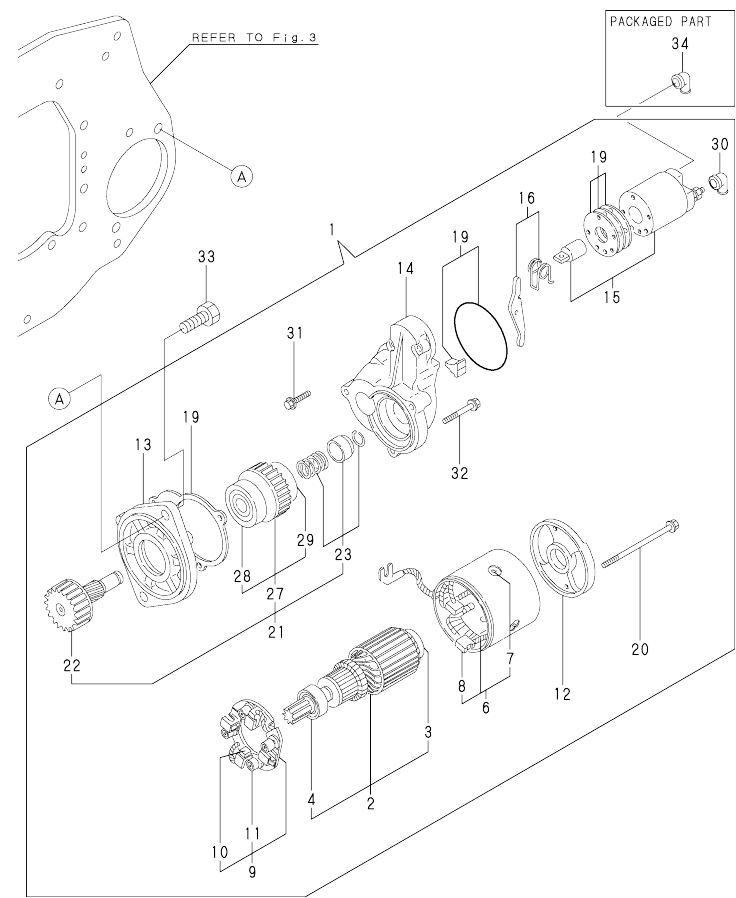
Fig.12. FUEL PIPE

[illegible]

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

0CV10-M98000

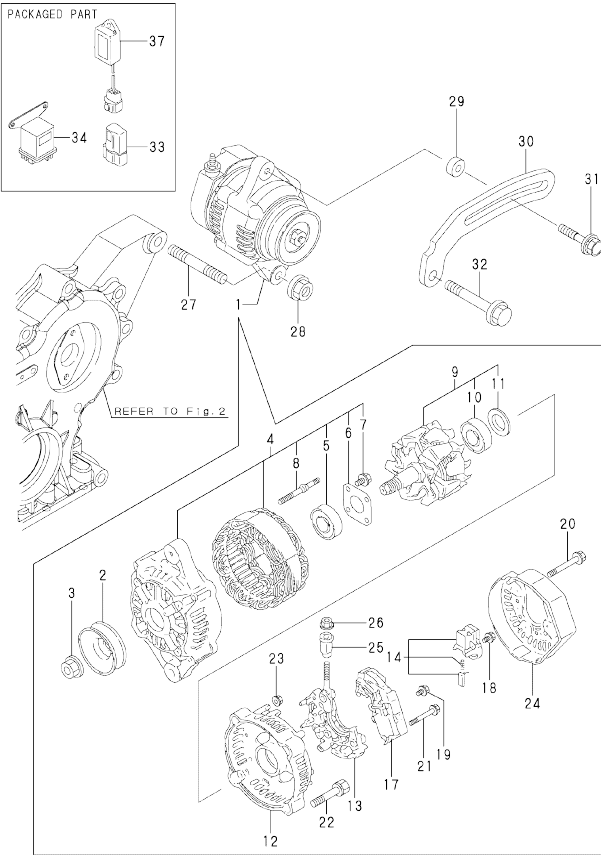
Fig.13. STARTING MOTOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171008-77010	STARTER, S114-483	1							
2	2	171008-77400	ARMATURE ASSY	1							
3	3	X2130350900	BALL BEARING	1							
4	3	X2114255110	BEARING, BALL	1							
6	3	171008-77440	COIL ASSY, FIELD	1							
7	4	171008-77450	SCREW	4							
8	4	171008-77460	BRUSH (+)	2							
9	2	171008-77470	HOLDER ASSY, BRUSH	1							
10	3	171008-77480	BRUSH (-)	2							
11	3	171008-77490	SPRING, BRUSH	4							
12	2	171008-77500	COVER, REAR	1							
13	2	171008-77510	HOUSING ASSY, GEAR	1							
14	2	171008-77520	HOUSING, CENTER	1							
15	2	171008-77531	MAGNETIC SWITCH ASSY	1							
16	2	171008-77540	LEVER SET, SHIFT	1							
19	2	171008-77571	COVER KIT, DUST	1							
20	2	171008-77640	BOLT, THROUGH	2							
21	2	171008-77650	PINION ASSY	1							
22	3	171008-77660	SHAFT, PINION	1							
23	3	171008-77670	STOPPER SET, PINION	1							
27	3	X2114555500	CLUTCH ASSY	1							
28	4	X2114955020	BALL BEARING	1							
29	4	X2240410100	BEARING, BALL	1							
30	2	171008-77750	COVER, M TERMINAL	1							
31	2	26106-060322	BOLT, M6X 32 PLATED	2							
32	2	26106-060402	BOLT, M6X 40 PLATED	3							
33	1	26116-120202	BOLT, M12X 20 PLATED	2							
34	1	124550-77030	COVER, TERMINAL	1							

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Fig.14. GENERATOR

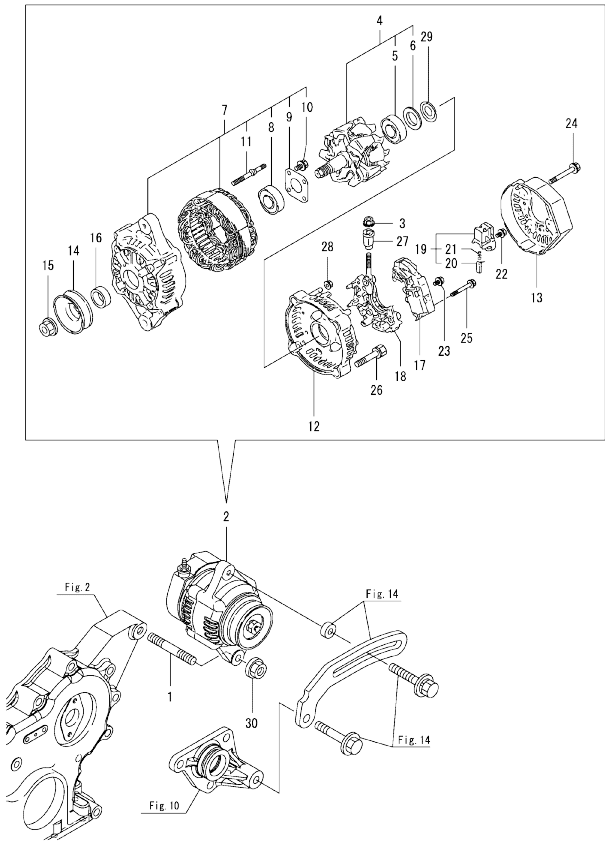


Remarks
*This item is applicable to
[(A)=EZZZZ-1] or previous
machines. Refer to Fig.18.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129052-77200	GENERATOR, 12V-40A	1							
2	2	119620-77460	PULLEY,CRANKSHAFT	1							
3	2	119620-77470	NUT	1							
4	2	129052-77420	FRAME ASSY, DRIVE	1							
5	3	119620-79201	BEARING, BALL	1							
6	3	119620-79210	PLATE	1							
7	3	119620-79220	SCREW	4							
8	3	119620-79230	BOLT, STUD	2							
9	2	119620-77380	ROTOR ASSY	1							
10	3	123501-79240	BEARING, BALL	1							
11	3	119620-79250	COVER, BEARING	1							
12	2	119620-77440	FLAME ASSY, REAR	1							
13	2	119620-79260	HOLDER	1							
14	2	129052-79270	HOLDER, BRUSH	1							
17	2	119620-77710	REGULATOR ASSY	1							
18	2	119620-79290	SCREW	6							
19	2	119620-79300	SCREW	1							
20	2	119620-79310	BOLT	3							
21	2	119620-79320	SCREW W/WASHER	2							
22	2	119620-79330	BOLT	2							
23	2	119620-79350	NUT	2							
24	2	119620-77450	COVER	1							
25	2	119620-79340	INSULATION BUSH	1							
26	2	X9490561001	NUT	1							
27	1	129795-01900	STUD	1							
28	1	26306-100002	NUT, M10	1							
29	1	119940-77270	SPACER, GENERATOR	1							
30	1	119940-77330	ADJUSTER	1							
31	1	119802-77340	BOLT, ADJUSTER	1							
32	1	26106-080452	BOLT, M8X 45 PLATED	1							
33	1	119643-66900	DIODE	1							
34	1	119650-77910	RELAY ASSY, GLOW	1							
37	1	129211-77920	TIMER	1							

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Fig.17. (14A)GENERATOR

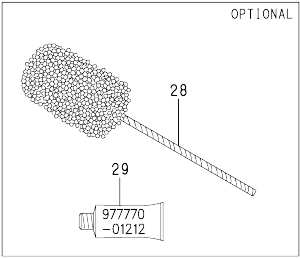
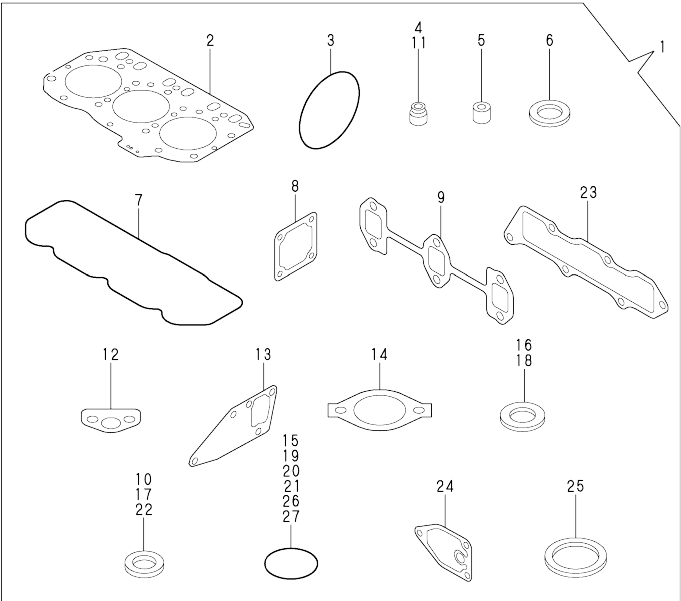


Remarks
*This item is applicable to
[(A)=EZZZZZ] or following
machines. Refer to Fig.14.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129795-01900	STUD	1							
2	1	129423-77200	GENERATOR, 12V-40A	1							
3	2	X9490561001	NUT	1							
4	2	119620-77380	ROTOR ASSY	1							
5	3	123501-79240	BEARING, BALL	1							
6	3	119620-79250	COVER, BEARING	1							
7	2	119620-77421	FRAME ASSY, DRIVE	1							
8	3	119620-79200	BALL BEARING	1							
9	3	119620-79210	PLATE, RETAINER	1							
10	3	119620-79220	SCREW	4							
11	3	119620-79230	STUD	2							
12	2	119620-77440	FLAME ASSY, REAR	1							
13	2	129240-79300	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	119620-79260	HOLDER	1							
19	2	129052-79270	HOLDER, BRUSH	1							
20	3	119620-77480	BRUSH ASSY	2							
21	3	119620-79280	SPRING	2							
22	2	119620-79290	SCREW	6							
23	2	119620-79300	SCREW	1							
24	2	119620-79310	BOLT	3							
25	2	119620-79320	SCREW	2							
26	2	119620-79330	BOLT	2							
27	2	119620-79340	BUSH, INSULATION	1							
28	2	119620-79350	NUT	2							
29	2	119620-79360	WASHER, THRUST	1							
30	1	26306-100002	NUT, M10	1							

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Fig.15. GASKET SET & TOOLS



Remarks
(1)OPTIONAL

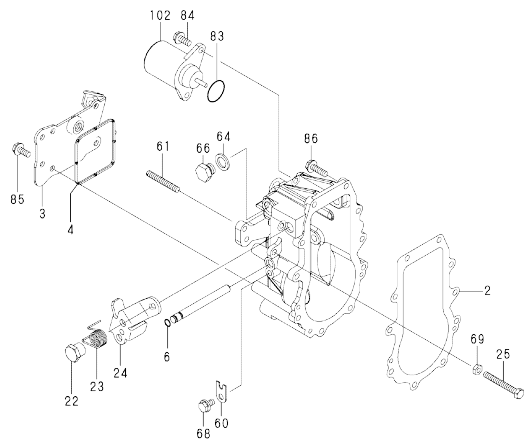
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719823-92810	GASKET SET	1							1
2	2	119812-01330	GASKET, HEAD	1							
3	2	121850-51960	O-RING	1							
4	2	124950-11340	SEAL, VALVE STEM	3							
5	2	119802-11870	PROTECTOR, NOZZLE	3							
6	2	119625-11880	SEAT, NOZZLE	3							
7	2	119802-11310	GASKET, BONNET	1							
8	2	129150-77511	GASKET	1							
9	2	119810-13110	GASKET	1							
10	2	22190-220002	WASHER, SEAL 22	1							
11	2	124160-11340	SEAL, VALVE STEM	3							
12	2	129150-35041	GASKET	1							
13	2	129486-42050	GASKET, WATER PUMP	1							
14	2	129795-49551	GASKET	1							
15	2	119609-32040	O-RING, P16	4							
16	2	23414-080000	GASKET, 8X1.0	1							
17	2	22190-080002	WASHER, SEAL 6	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	22190-100002	WASHER, SEAL 10	2							
23	2	119813-12110	GASKET, MANIFOLD	1							
24	2	129150-35111	GASKET	1							
25	2	129150-49811	GASKET, THERMOSTAT	1							
26	2	24321-000650	O-RING, 1AG65.0	1							
27	2	24311-000160	O-RING, 1AP16.0	1							
28	1	129400-92420	FLEX HORN	1							1
29	1	977770-01212	GASKET, LIQUID	1							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.16. GOVERNOR

P/C NEWS No. Y00V9800-1
PUBLISHED: 2005/1



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	3	158553-61050	GASKET	1							
3	3	129246-61061	COVER, GOVERNOR CASE	1							
4	3	158553-61070	GASKET	1							
6	3	129155-51280	O-RING, S6	1							
22	3	129255-61410	NUT, LOCK	1							
23	3	119807-61420	SPRING, RETURN	1							
24	3	129246-61441	LEVER, REGULATOR	1							
25	3	129155-61460	BOLT, IDLE	1							
60	3	119660-61901	RETAINER, SHAFT	1							
61	3	171002-66830	SCREW	1							
64	3	22190-120000	WASHER, SEAL 12	1							
66	3	23887-120002	PLUG, 12	1							
68	3	26106-060102	BOLT, M6X 10 PLATED	1							
69	3	26756-060002	NUT, LOCK M6	1							
83	3	24341-000280	O-RING, 1AS28.0	1							
83-1	3	158552-61900	O-RING	1							N
(A=EXXXXX)											
84	3	26106-060142	BOLT, M6X 14 PLATED	2							
85	3	26106-060142	BOLT, M6X 14 PLATED	4							
86	3	26106-060202	BOLT, M6X 20 PLATED	10							
102	2	119653-77950	SOLENOID, STOP	1							

Remarks
* THIS FIGURE IS NEWLY ADDED.
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.10).

Parts No. Index

Parts No.	Fig. No.	Ref. No.
104211-11180	4	26
104211-11370	4	14
114250-39450	8	9
114250-53080	11	5
114250-53120	11	10
114250-53130	11	11
114250-53140	11	12
114250-53210	11	13
114250-53400	11	14
119225-52102	12	7
119305-59120	11	26
119609-32040	2	16
	15	15
119620-02020	1	12
119620-49290	9	24
119620-77380	14	9
	17	4
119620-77421	17	7
119620-77440	14	12
	17	12
119620-77450	14	24
119620-77460	14	2
119620-77461	17	14
119620-77470	14	3
119620-77471	17	15
119620-77480	17	20
119620-77490	17	16
119620-77710	14	17
119620-79200	17	8
119620-79201	14	5
119620-79210	14	6
	17	9
119620-79220	14	7
	17	10
119620-79230	14	8
	17	11
119620-79250	14	11
	17	6
119620-79260	14	13
	17	18
119620-79280	17	21
119620-79290	14	18
	17	22
119620-79300	14	19
	17	23
119620-79310	14	20
	17	24
119620-79320	14	21
	17	25
119620-79330	14	22

Parts No.	Fig. No.	Ref. No.
119620-79330	17	26
119620-79340	14	25
	17	27
119620-79350	14	23
	17	28
119620-79360	17	29
119625-11880	4	30
	15	6
119640-01640	3	8
119643-66900	14	33
119650-77910	14	34
119653-77950	16	102
119660-61901	16	60
119802-01190	1	38
119802-01520	2	11
119802-01560	2	12
119802-03010	4	39
119802-03080	5	1
119802-03110	4	41
119802-03121	4	42
119802-03130	4	43
119802-03141	4	44
119802-11100	4	23
119802-11110	4	24
119802-11241	4	3
119802-11251	4	4
119802-11260	4	6
119802-11270	4	7
119802-11280	4	8
119802-11310	4	46
	15	7
119802-11350	4	38
119802-11650	4	10
119802-11700	4	15
119802-11810	4	20
119802-11870	4	52
	15	5
119802-11900	4	31
119802-12100	5	3
119802-14590	6	3
119802-21002	7	1
119802-21660	7	8
119802-22080	7	15
119802-22500	7	17
119802-25051	6	10
119802-25070	6	14
119802-25100	6	11
119802-25901	6	17
119802-32070	2	7
119802-32100	2	6

Parts No.	Fig. No.	Ref. No.
119802-32111	2	17
119802-32120	2	18
119802-32130	2	19
119802-35100	8	20
119802-35110	8	21
119802-39450	8	11
119802-42000	9	1
119802-49610	9	30
119802-49620	9	35
119802-49711	9	31
119802-49721	9	36
119802-49730	9	32
119802-51090	10	101
119802-51250	10	121
119802-51560	10	60
119802-51590	10	66
119802-51600	10	67
119802-51680	10	71
119802-51690	10	72
119802-55700	12	8
119802-55710	12	9
119802-55800	12	2
119802-59100	12	4
119802-59110	12	5
119802-59320	9	34
119802-59570	11	48
119802-59810	11	35
119802-59820	11	39
119802-59830	11	43
119802-77340	14	31
119807-61420	16	23
119810-01200	1	30
119810-01730	3	5
119810-01770	3	7
119810-02870	1	32
119810-02930	1	27
119810-02940	1	35
119810-11120	4	25
119810-13110	5	10
	15	9
119810-14400	6	2
119810-23200	7	27
119810-23600	7	28
119810-23610	7	30
119810-23910	7	26
119810-35300	8	4
119810-42051	9	3
119810-42120	9	4
119810-42281	9	8
119810-42290	9	9

Parts No.	Fig. No.	Ref. No.
119812-01330	1	31
	15	2
119813-12110	5	4
	15	23
119813-22300	7	21
119932-34800	8	1
119940-77270	14	29
119940-77330	14	30
119946-53000	11	2
120270-54410	4	32
121023-01550	2	27
121111-21501	7	11
121450-42450	9	23
121520-34810	8	2
121850-21680	7	10
121850-51960	2	20
	15	3
123501-79240	14	10
	17	5
124060-01050	1	6
124060-11800	4	18
124101-49531	9	19
124160-01751	2	13
	4	37
124160-01910	1	4
	14	14
124160-11340	4	27
	15	11
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