

0CV10-M84000EN

P R E F A C E

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNE82A—MG engine manufactured since November, 2001.
2. Each illustration corresponds to the parts list on the following page.
3. When ordering parts, clearly write down the engine model and serial number, as well as the name and number of each part in your order sheet. This will help insure reliable delivery of the parts you have ordered.

Directions for the Parts Catalog.

- 1.This Parts Catalog shows both standard and optional 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
		(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 COMPEMSATOR 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 Symbol

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	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\xrightarrow{\text{No}}$ New Yes	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\xrightarrow{\text{Yes}}$ New Yes	New/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New 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

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

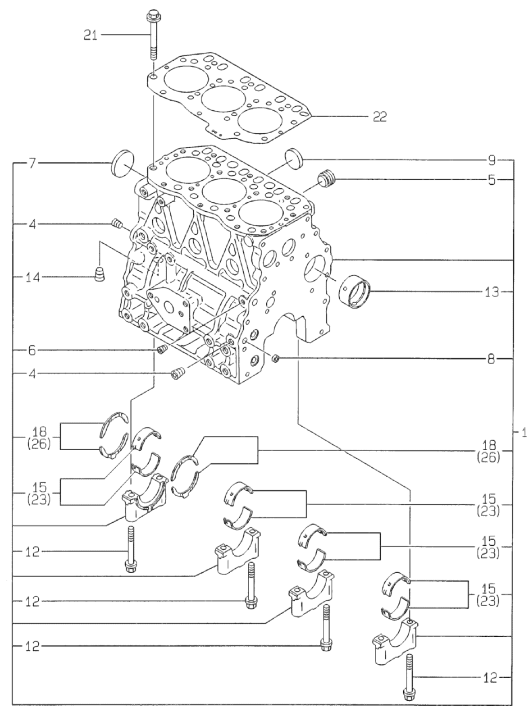
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

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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.	GOVERNOR		
12.	FUEL INJECTION VALVE		
13.	FUEL FILTER		
14.	STARTING MOTOR		
15.	GENERATOR		
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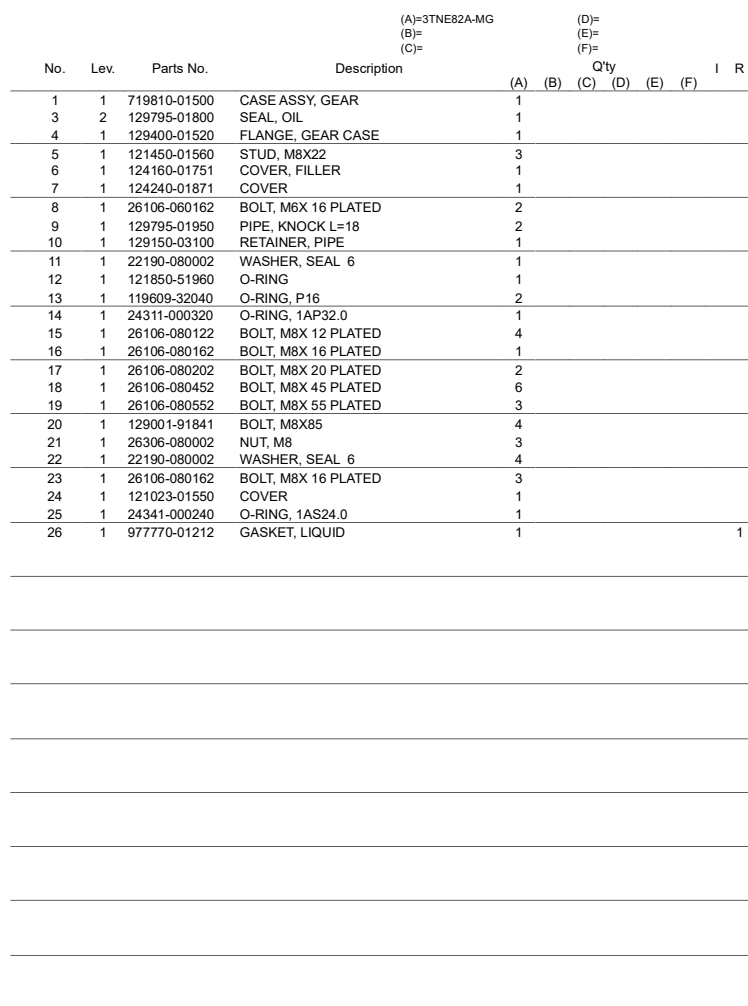
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Fig.1. CYLINDER BLOCK



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719813-01560	BLOCK ASSY, CYLINDER	1							
4	2	124160-01910	PLUG, PT1/4	2							
5	2	171051-01921	PLUG, NPTF1	1							
6	2	23876-010000	PLUG, R01	1							
7	2	129001-01250	PLUG, 50	1							
8	2	27241-120000	PLUG, 12	2							
9	2	27241-300000	PLUG 30	6							
12	2	119620-02020	BOLT, METAL CAP	8							
13	2	129795-02411	BUSH, CAMSHAFT	1							
14	2	124160-01910	PLUG, PT1/4	1							
15	2	119810-02800	BEARING, MAIN	4							
18	2	119810-02930	BEARING, THRUST	1							
21	1	119810-01200	BOLT, HEAD	14							
22	1	119812-01330	GASKET, HEAD	1							
23	1	119810-02870	BEARING, 0.25 US	4							1
26	1	119810-02940	BEARING, THRUST 0.25	2							2

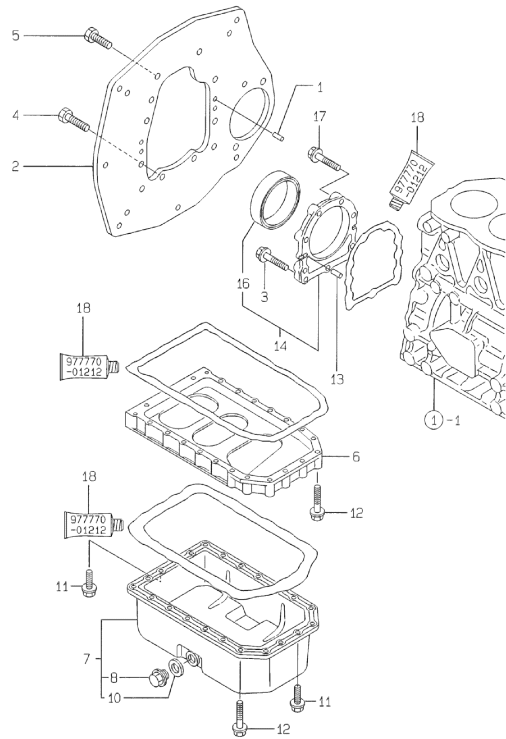
Fig.2. GEAR HOUSING



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

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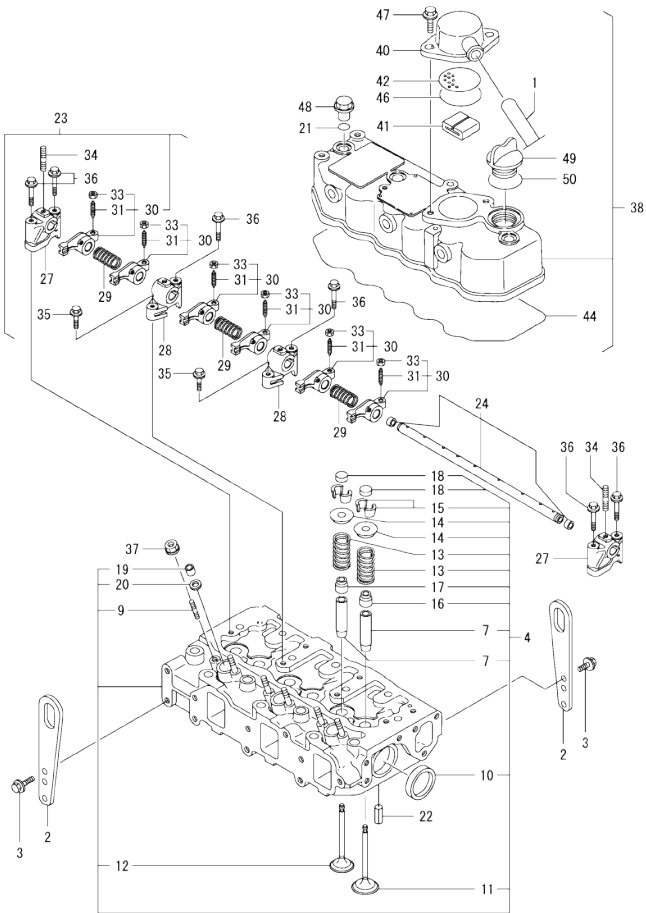
Fig.3. MOUNTING FLANGE & OIL SUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2							
2	1	129176-01601	FLANGE, MOUNTING	1							
3	1	26106-080352	BOLT, M8X 35 PLATED	3							
4	1	26206-100252	BOLT, M10X 25 PLATED	4							
5	1	26206-100202	BOLT, M10X 20 PLATED	6							
6	1	119810-01730	SPACER, OIL SUMP	1							
7	1	119810-01770	SUMP ASSY, OIL	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	6							
12	1	26106-080452	BOLT, M8X 45 PLATED	22							
13	1	129100-01580	PIN, M8X16	2							
14	1	719810-01650	CASE ASSY, OIL SEAL	1							
16	2	119810-01780	SEAL, 769310	1							
17	1	129486-01670	BOLT, M8X30	6							
18	1	977770-01212	GASKET, LIQUID	1							1

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Fig.4. CYLINDER HEAD & BONNET

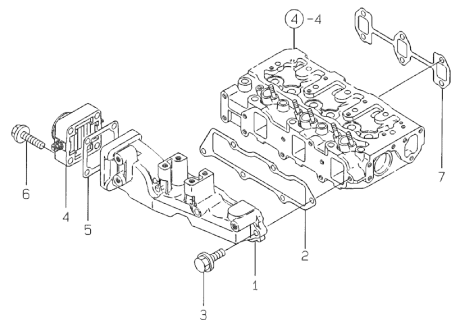


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-03090	HOSE, ID16X2T	1							
2	1	129900-07900	LIFTER	2							
3	1	26106-080162	BOLT, M8X 16 PLATED	4							
4	1	119812-11700	HEAD ASSY, CYLINDER	1							1
7	2	124060-11800	GUIDE, VALVE	6							
9	2	26216-060302	STUD, M6X 30	6							
10	2	27241-400000	PLUG, 40	2							
11	2	119810-11100	VALVE, INTAKE	3							
12	2	119810-11110	VALVE, EXHAUST	3							
13	2	119810-11120	SPRING, VALVE	6							
14	2	104211-11180	RETAINER, SPRING	6							
15	2	27310-070001	COTTER, 7	6							
16	2	124160-11340	SEAL, VALVE STEM	3							
17	2	124950-11340	SEAL, VALVE STEM	3							
18	2	104211-11370	CAP, VALVE	6							
19	2	119625-11870	PROTECTOR, NOZZLE	3							
20	2	119625-11880	SEAT, NOZZLE	3							
21	1	24311-000120	O-RING, 1AP12.0	3							
22	1	22351-060012	PIN, SPRING 6.0X12	2							
23	1	119865-11210	SUPPORT ASSY	1							
24	2	119810-11240	SHAFT ASSY, ROCKER	1							
27	2	129155-11260	SUPPORT, ROCKER ARM	2							
28	2	129155-11270	SUPPORT, ROCKER ARM	2							
29	2	129150-11280	SPRING	3							
30	2	719810-11660	ARM ASSY, ROCKER	6							
31	3	129150-11230	SCREW, VALVE ADJUST	6							
33	3	129150-11750	NUT, M8	6							
34	2	26226-080182	STUD, M8X 18	3							
35	1	26106-080252	BOLT, M8X 25 PLATED	2							
36	1	26106-080502	BOLT, M8X 50 PLATED	6							
37	1	26366-060002	NUT, M6	6							
38	1	719810-11521	BONNET ASSY, HEAD	1							
40	2	129150-03020	COVER, BREATHER	1							
41	2	129150-03070	BAFFLE, BREATHER	1							
42	2	129150-03080	PLATE, BAFFLE	1							
44	2	119865-11310	GASKET, BONNET	1							
46	2	24341-000500	O-RING, 1AS50.0	1							
47	2	26106-080162	BOLT, M8X 16 PLATED	2							
48	1	124160-11360	KNOB	3							
49	1	124160-01751	COVER, FILLER	1							
50	1	24311-000320	O-RING, 1AP32.0	1							

N:Old $\frac{Y00}{100}$ New, Q:Old $\frac{H0}{100}$ New, R:Old $\frac{Y00}{100}$ New, S:Old $\frac{H0}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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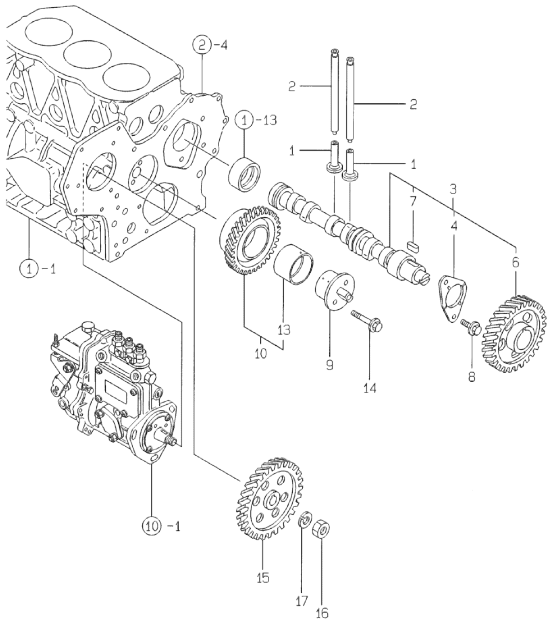
Fig.5. SUCTION MANIFOLD



No.	Lev.	Parts No.	Description	(A)=3TNE82A-MG (B)= (C)=						Q'ty	I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	119813-12100	MANIFOLD, AIR INTAKE	1								
2	1	119813-12110	GASKET, MANIFOLD	1								
3	1	26106-080252	BOLT, M8X 25 PLATED	6								
4	1	129120-77501	HEATER	1								
5	1	129150-77511	GASKET	1								
6	1	26106-080352	BOLT, M8X 35 PLATED	4								
7	1	119810-13110	GASKET	1								

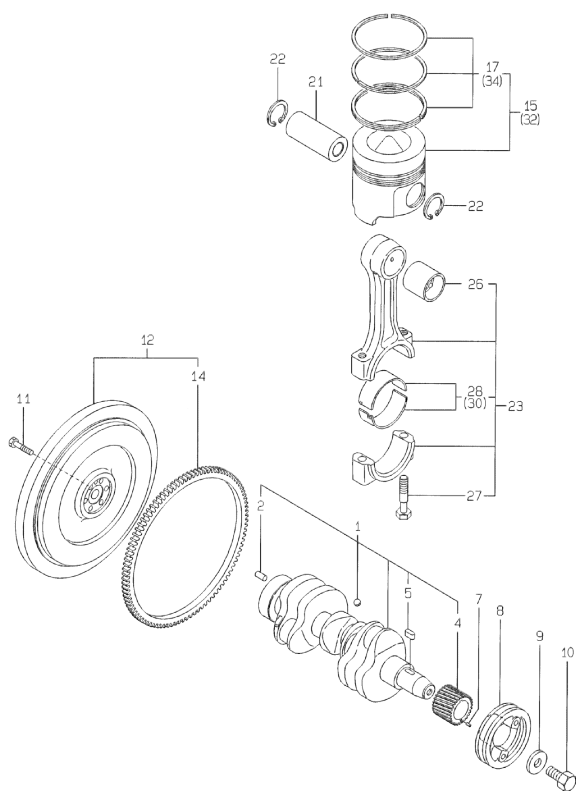
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Fig.6. CAMSHAFT & DRIVING GEAR



No.	Lev.	Parts No.	Description	(A)=3TNE82A-MG (B)= (C)=						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	119810-14580	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	129100-25061	SHAFT, IDLE	1								
10	1	129150-25101	GEAR ASSY, IDLE	1								
13	2	129150-25920	BUSH, IDLE GEAR	1								1
14	1	26106-080452	BOLT, M8X 45 PLATED	2								
15	1	129150-25900	GEAR, PUMP	1								
16	1	26716-120002	NUT, M12	1								
17	1	22217-120000	WASHER, SPRING 12	1								

Fig.7. CRANKSHAFT & PISTON

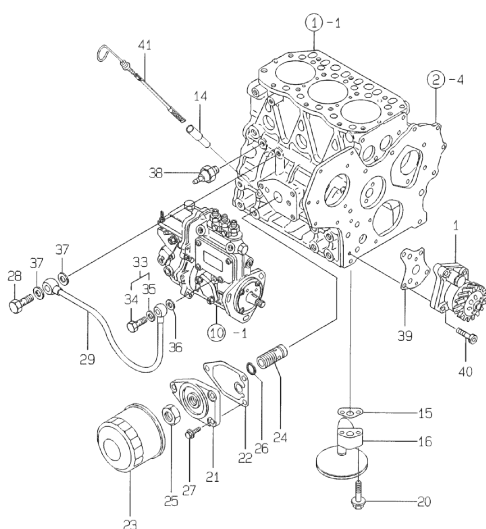


				(A)=3TNE82A-MG					(D)=				
				(B)=					(E)=				
				(C)=					(F)=				
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	Q'ty	I	R	
1	1	119813-21000	CRANKSHAFT ASSY	1									
2	2	129100-01580	PIN, M8X16	1									
4	2	129150-21200	GEAR, CRANKSHAFT	1									
5	2	22512-070140	KEY, 7X 14	1									
7	1	22351-040010	PIN, SPRING 4.0X10	1									
8	1	129550-21650	V-PULLEY	1									
9	1	129795-21661	WASHER	1									
10	1	121850-21680	BOLT	1									
11	1	121111-21501	BOLT, FLYWHEEL	6									
12	1	119811-21570	FLYWHEEL ASSY	1									
14	2	124550-21600	GEAR, RING	1									
15	1	119813-22080	PISTON ASSY	3									
17	2	119813-22500	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	119813-22900	PISTON ASSY, 0.25 OS	3								3	
34	2	129003-22950	RING SET, 0.25 OS	3									

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

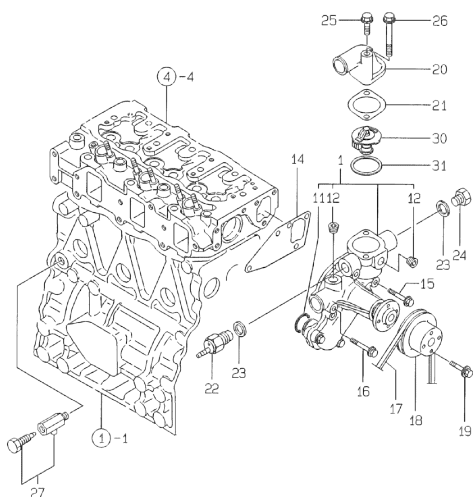
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Fig.8. LUB.OIL SYSTEM



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129001-32001	PUMP ASSY, OIL	1							
14	1	121520-34810	GUIDE, DIPSTICK	1							
15	1	129150-35041	GASKET	1							
16	1	119810-35300	PIPE ASSY, OIL INLET	1							
20	1	26106-080352	BOLT, M8X 35 PLATED	2							
21	1	129150-35101	BRACKET, STRAINER	1							
22	1	129150-35111	GASKET	1							
23	1	129150-35151	FILTER, D80XL80	1							
24	1	129001-35300	BOLT, FILTER	1							
25	1	129150-35350	NUT	1							
26	1	24311-000160	O-RING, 1AP16.0	1							
27	1	26106-080202	BOLT, M8X 20 PLATED	3							
28	1	124160-39140	BOLT, PIPE JOINT M10	1							
29	1	119810-39200	PIPE ASSY, OIL	1							
33	1	124550-59830	BOLT ASSY, JOINT M8	1							
34	2	124550-59820	BOLT, PIPE JOINT M8	1							
35	2	22190-080002	WASHER, SEAL 6	1							
36	1	22190-080002	WASHER, SEAL 6	1							
37	1	22190-100002	WASHER, SEAL 10	2							
38	1	114250-39450	SWITCH, 0.5KG	1							
39	1	129150-32020	GASKET, PUMP	1							
40	1	26450-060252	BOLT, M6X 25	4							
41	1	119932-34800	DIPSTICK, OIL	1							

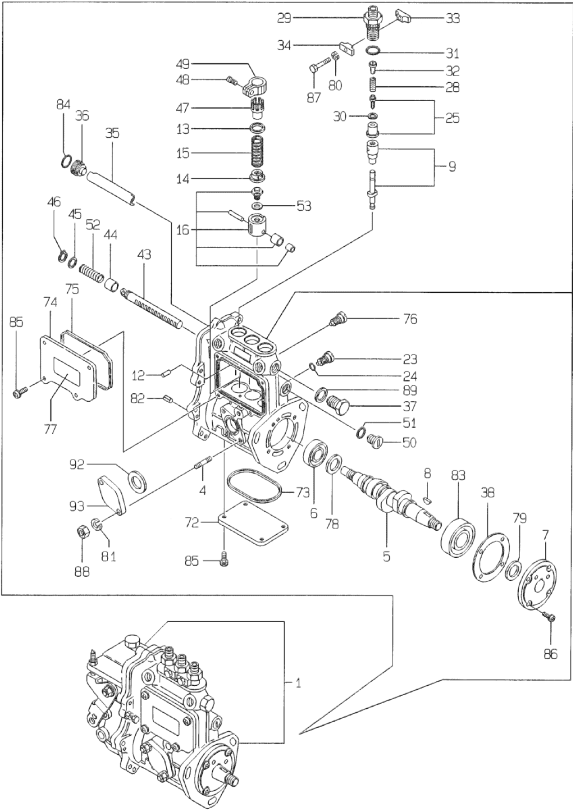
Fig.9. COOLING WATER SYSTEM



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119810-42001	PUMP ASSY, WATER	1							
11	2	129150-42320	O-RING	1							
12	2	23876-030000	PLUG, R03	2							
14	1	129486-42050	GASKET, WATER PUMP	1							
15	1	26106-080352	BOLT, M8X 35 PLATED	1							
16	1	26106-080552	BOLT, M8X 55 PLATED	3							
17	1	25132-003800	V-BELT, A38	1							
18	1	129155-42350	V-PULLEY	1							
19	1	26014-060142	BOLT, M6X 14	4							
20	1	119889-49530	COVER, THERMOSTAT	1							
21	1	129795-49551	GASKET	1							
22	1	46150-503100	SWITCH, 95	1							
23	1	124465-44950	GASKET, 16	2							
24	1	121450-42450	PLUG, M16	1							
25	1	26106-080252	BOLT, M8X 25 PLATED	1							
26	1	26106-080652	BOLT, M8X 65 PLATED	1							
27	1	119620-49290	COCK ASSY, 1/4	1							
30	1	129155-49800	THERMOSTAT, 71	1							
31	1	129150-49811	GASKET, THERMOSTAT	1							

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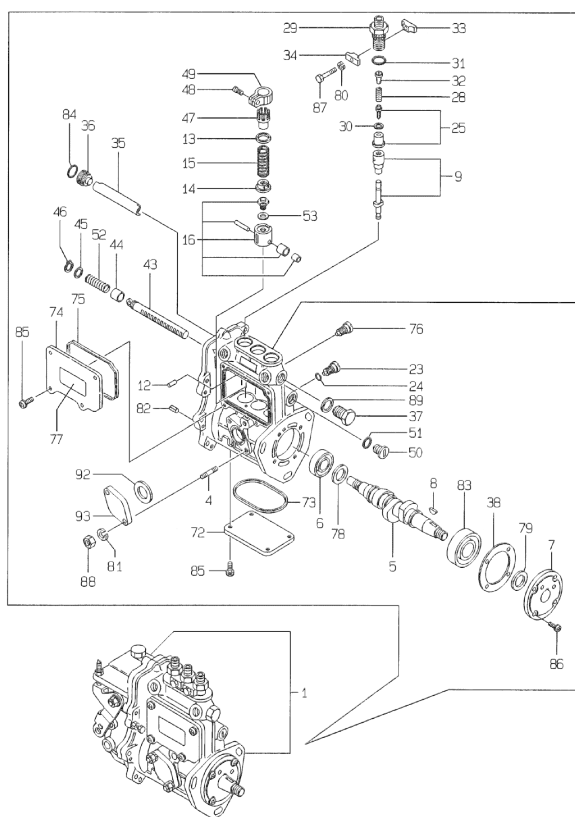
Fig.10. FUEL INJECTION PUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719823-51420	PUMP ASSY, INJECTION	1							1
4	2	129155-51020	STUD	2							
5	2	119810-51040	CAMSHAFT	1							
6	2	129155-51050	BEARING, 17BM001D	1							
7	2	129155-51060	SUPPORT, CAMSHAFT	1							
8	2	122710-51090	KEY	1							
9	2	129108-51100	PLUNGER ASSY	3							
12	2	129155-51140	PIN	3							
13	2	174307-51170	RETAINER, SPRING A	3							
14	2	129155-51180	RETAINER, SPRING	3							
15	2	124950-51190	SPRING, PLUNGER	3							
16	2	129155-51200	TAPPET ASSY	3							
23	2	129155-51270	STOPPER, TAPPET	3							
24	2	129155-51280	O-RING, S6	3							
25	2	128170-51300	VALVE ASSY, DELIVERY	3							
28	2	129155-51320	SPRING, DELIVERY	3							
29	2	129155-51340	RETAINER	3							
30	2	124550-51350	GASKET, DELIVERY	3							
31	2	124550-51370	O-RING	3							
32	2	129155-51370	STOPPER, VALVE	3							
33	2	129155-51380	STOPPER	2							
34	2	129155-51390	STOPPER	2							
35	2	129155-51400	DEFLECTOR	1							
36	2	129155-51410	BOLT	1							
37	2	129155-51420	PLUG, M16	1							
38	2	129155-51450	SHIM SET, ADJUSTING	1							
43	2	129155-51500	RACK, CONTROL	1							
44	2	129155-51521	BUSH, RACK	1							
45	2	129155-51530	SPACER	1							
46	2	129155-51540	CIRCLIP	1							
47	2	129155-51550	PINION, CONTROL	3							
48	2	129100-51570	SCREW	3							
49	2	129100-51560	PINION	3							
50	2	129155-51570	PLUG, M12	1							
51	2	129155-51580	O-RING	1							
52	2	129155-51591	SPRING, RACK	1							
53	2	129155-51600	SHIM SET, ADJUSTING	3							
72	2	129155-51701	COVER	1							
73	2	129155-51711	GASKET	1							
74	2	129155-51751	COVER	1							
75	2	129155-51760	GASKET	1							
76	2	129155-51790	STOOPER, RACK	1							
77	2	129156-51910	LABEL, CAUTION	1							
78	2	129155-51930	SPACER, T=3.25	1							
79	2	129155-51940	SPACER, T=1.5	1							
80	2	22217-050000	WASHER, SPRING 5	2							
81	2	22217-060000	WASHER, SPRING 6	2							
82	2	22351-050010	PIN, SPRING 5.0X10	2							
83	2	24101-063034	BEARING, BALL 6303	1							
84	2	24341-000160	O-RING, 1AS16.0	1							
85	2	26022-050122	SCREW, M5X12	8							

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

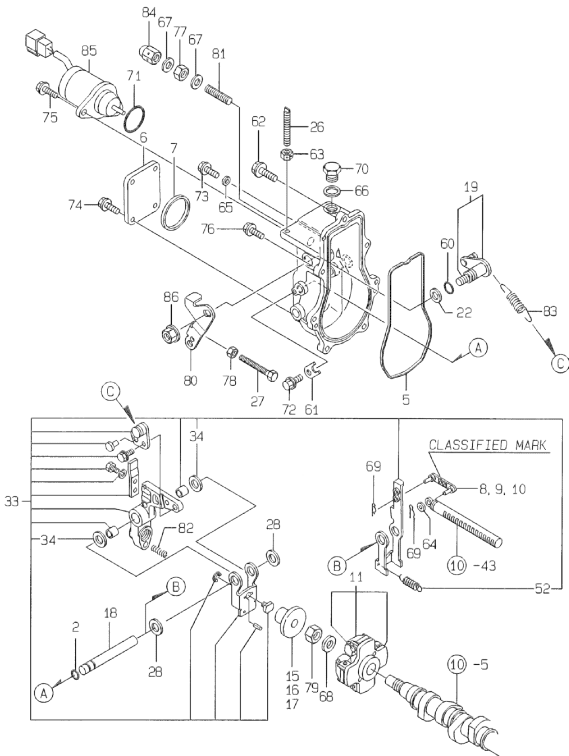


				(A)=3TNE82A-MG					(D)=			I	R
				(B)=					(E)=				
				(C)=					(F)=				
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty	(D)	(E)	(F)			
86	2	26022-060162	SCREW, M6X16	4									
87	2	26116-050302	BOLT, M5X 30 PLATED	2									
88	2	26716-060002	NUT, M6	2									
89	2	22190-160002	WASHER, SEAL 16	1									
92	2	129155-52050	GASKET	1									
93	2	129100-52200	COVER	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

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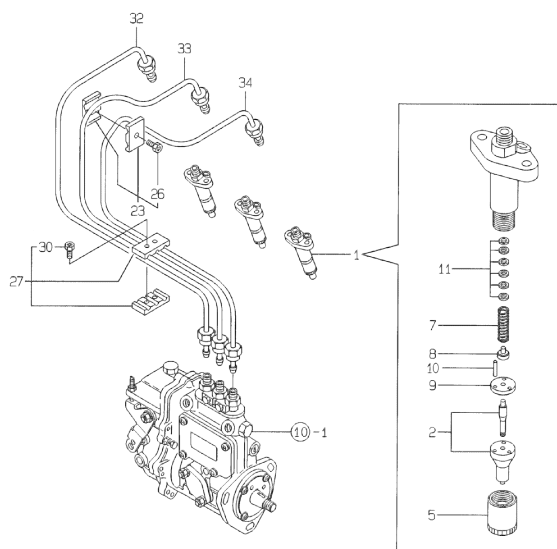
Fig.11. GOVERNOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	129155-51280	O-RING, S6	1							
5	2	129052-61050	GASKET	1							
6	2	129052-61060	COVER, GOVERNOR CASE	1							
7	2	129052-61070	GASKET	1							
8	2	129155-61120	LINK, L=30 MARK 0	1							1
9	2	129155-61130	LINK, L=31 MARK 1	1							1
10	2	129155-61140	LINK, L=30.5 MARK 05	1							1
11	2	171488-61200	WEIGHT ASSY, GOVERNOR	1							
15	2	129155-61341	SLEEVE	1							2
16	2	129155-61350	SLEEVE, L=24.9	1							2
17	2	129155-61360	SLEEVE, L=25.2	1							2
18	2	129052-61390	SHAFT	1							
19	2	129100-61400	SHAFT ASSY	1							
22	2	129155-61430	SPACER	1							
26	2	129155-61450	BOLT, LIMITER	1							
27	2	129155-61460	BOLT, IDLE	1							
28	2	129155-61480	SPACER ASSY	2							
33	2	129486-61501	LEVER ASSY, GOVERNOR	1							
34	3	174307-51700	SHIM SET	2							
52	3	129486-61540	SPRING, SET	1							
60	2	129155-61830	O-RING, S10	1							
61	2	119660-61901	RETAINER, SHAFT	1							
62	2	129155-61950	BOLT	1							
63	2	124550-66370	NUT, M6	1							
64	2	22117-040000	WASHER, 4	1							
65	2	22190-060003	SEAL WASHER 6	1							
66	2	22190-100002	WASHER, SEAL 10	1							
67	2	22190-120002	WASHER, SEAL 12	2							
68	2	22287-120000	WASHER, 12	1							
69	2	22372-040000	PIN, SNAP 4	2							
70	2	23887-100002	PLUG, 10	1							
71	2	24341-000280	O-RING, 1AS28.0	1							
71-1	2	158552-61900	O-RING	1							N
(A)=EXXXXX											
72	2	26106-060102	BOLT, M6X 10 PLATED	1							
73	2	26106-060102	BOLT, M6X 10 PLATED	1							
74	2	26106-060102	BOLT, M6X 10 PLATED	4							
75	2	26106-060142	BOLT, M6X 14 PLATED	2							
76	2	26106-060202	BOLT, M6X 20 PLATED	6							
77	2	26736-120002	NUT, M12	1							
78	2	26756-060002	NUT, LOCK M6	1							
79	2	26776-120002	NUT, LOCK M12	1							
80	2	171488-61440	LEVER, CONTROL	1							
81	2	120323-61470	BOLT, CONTROL	1							
82	2	129500-61650	SPRING, FUEL CONTROL	1							
83	2	129477-61720	SPRING, GOVERNOR	1							
84	2	129100-61930	NUT, CAP	1							
85	2	119653-77950	SOLENOID, STOP	1							
86	2	26366-080002	NUT, M8	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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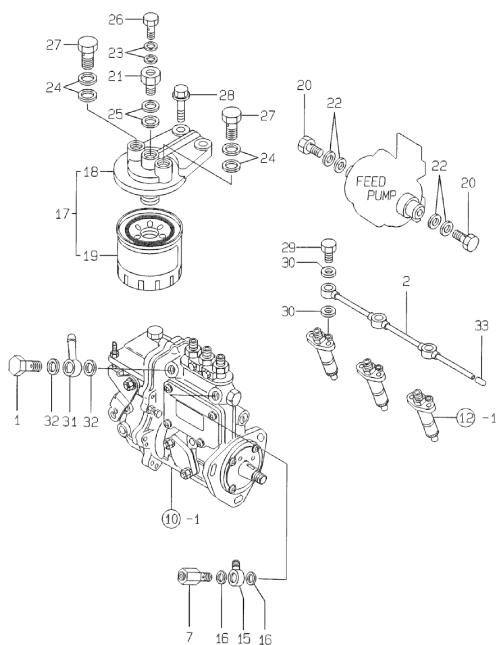
Fig.12. FUEL INJECTION VALVE



				(A)=3TNE82A-MG					(D)=			I	R
				(B)=					(E)=				
				(C)=					(F)=				
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Qty	(D)	(E)	(F)			
1	1	719800-53300	VALVE ASSY,INJECTION	3									
2	2	119800-53000	VALVE ASSY,INJECTION	3									
5	2	114250-53080	NUT, NOZZLE D16.95	3									
7	2	114250-53120	SPRING, NOZZLE	3									
8	2	114250-53130	SEAT, SPRING	3									
9	2	114250-53140	PLATE	3									
10	2	114250-53210	PIN	6									
11	2	114250-53400	SHIM SET	3									
23	1	119305-59120	RETAINER, PIPE	1									
26	2	129150-59131	BOLT, M4X14	1									
27	1	129150-59120	RETAINER, PIPE	1									
30	2	129150-59131	BOLT, M4X14	2									
32	1	119813-59812	PIPE ASSY, INJECTION	1									
33	1	119813-59821	PIPE ASSY, INJECTION	1									
34	1	119813-59831	PIPE ASSY, INJECTION	1									

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.13. FUEL FILTER

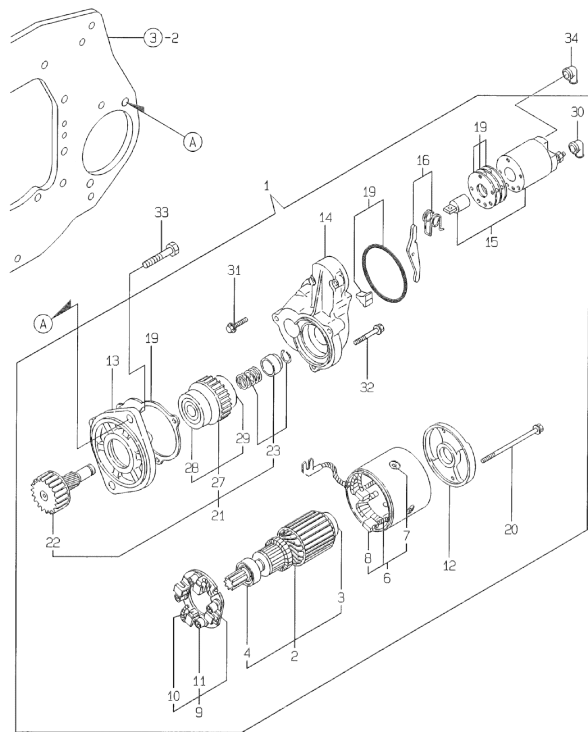


				(A)=3TNE82A-MG (B)= (C)=				(D)= (E)= (F)=					
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	Q'ty		I	R
1	1	103854-39140	BOLT, PIPE JOINT	1									
2	1	119988-59551	PIPE ASSY, RETURN	1									
7	1	129100-59551	VALVE ASSY, CHECK	1									
15	1	101304-59020	JOINT, PIPE 12	1									
16	1	22190-120002	WASHER, SEAL 12	2									
17	1	129470-55601	FILTER ASSY, FUEL	1									
18	2	129470-55610	BODY, STRAINER	1									
19	2	129470-55701	STRAINER ASSY, FUEL	1									
20	1	105582-59150	BOLT, PIPE JOINT	2									
21	1	129495-59300	BOLT, PIPE JOINT	1									
22	1	23414-080012	GASKET, 8X1.0	4									
23	1	23414-080012	GASKET, 8X1.0	2									
24	1	23414-120000	GASKET, 12X1.0	4									
25	1	23414-140000	GASKET, 14X1.0	2									
26	1	23857-030000	BOLT, JOINT 3	1									
27	1	23857-060000	BOLT, JOINT 6	2									
28	1	26106-100302	BOLT, M10X 30 PLATED	2									
29	1	129491-59540	BOLT, PIPE JOINT M6	3									
30	1	22190-060002	WASHER, SEAL 6	6									
31	1	101304-59020	JOINT, PIPE 12	1									
32	1	22190-120002	WASHER, SEAL 12	2									
33	1	119309-59590	CAP, 4.2	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

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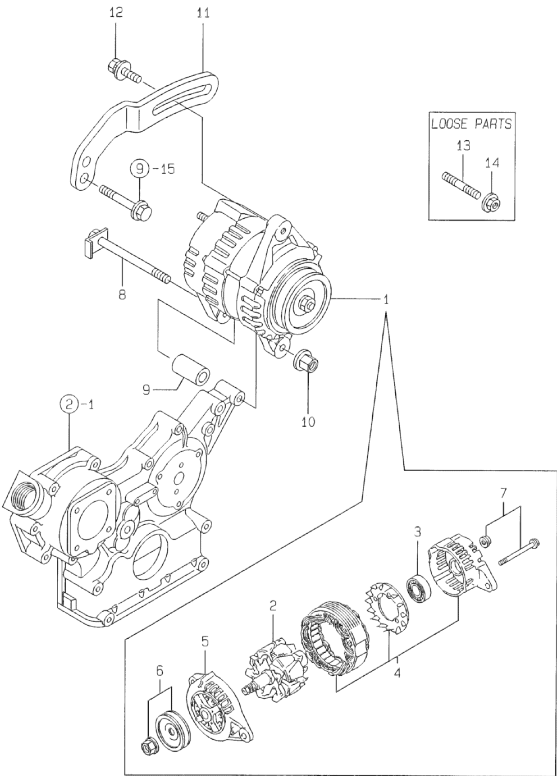
Fig.14. STARTING MOTOR



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	BEARING, BALL	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	CASE, GEAR	1							
14	2	171008-77520	HOUSING, CENTER	1							
15	2	171008-77531	MAGNETIC SWITCH ASSY	1							
16	2	171008-77540	LEVER SET	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	1							
23	3	171008-77670	STOPPER SET	1							
27	3	X2114555500	CLUTCH ASSY	1							
28	4	X2114955020	BEARING, BALL	1							
29	4	X2240410100	BEARING, BALL	1							
30	2	171008-77750	COVER	1							
31	2	26106-060322	BOLT, M6X 32 PLATED	2							
32	2	26106-060402	BOLT, M6X 40 PLATED	3							
33	1	26116-120252	BOLT, M12X 25 PLATED	2							
34	1	124550-77030	COVER, TERMINAL	1							

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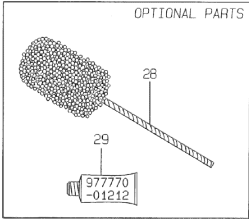
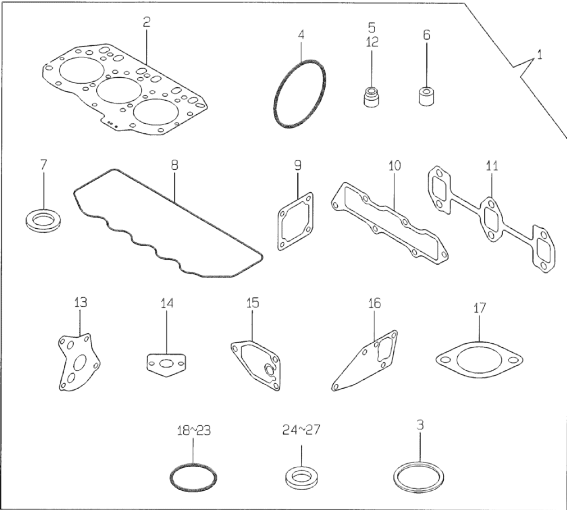
Fig.15. GENERATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119836-77201	GENERATOR	1							
2	2	129612-77700	ROTOR ASSY	1							
3	2	129612-77710	BEARING, BALL	1							
4	2	119836-77920	BRACKET ASSY	1							
5	2	129612-77730	BRACKET ASSY, FILTER	1							
6	2	129612-77740	PULLEY	1							
7	2	129612-77750	SCREW KIT	1							
8	1	129136-77251	BOLT, M8X110	1							
9	1	119820-77340	PIECE, DISTANCE	1							
10	1	129612-77260	NUT, ALTERNATOR	1							
11	1	119810-77330	ADJUSTER	1							
12	1	119810-77340	BOLT, ADJUSTER	1							
13	1	129795-01900	STUD	1							
14	1	26306-100002	NUT, M10	1							

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Fig.16. GASKET SET



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719823-92700	GASKET SET	1							1
2	2	119812-01330	GASKET, HEAD	1							
3	2	129150-49811	GASKET, THERMOSTAT	1							
4	2	121850-51960	O-RING	1							
5	2	124160-11340	SEAL, VALVE STEM	3							
6	2	119625-11870	PROTECTOR, NOZZLE	3							
7	2	119625-11880	SEAT, NOZZLE	3							
8	2	119865-11310	GASKET, BONNET	1							
9	2	129150-77511	GASKET	1							
10	2	119813-12110	GASKET, MANIFOLD	1							
11	2	119810-13110	GASKET	1							
12	2	124950-11340	SEAL, VALVE STEM	3							
13	2	129150-32020	GASKET, PUMP	1							
14	2	129150-35041	GASKET	1							
15	2	129150-35111	GASKET	1							
16	2	129486-42050	GASKET, WATER PUMP	1							
17	2	129795-49551	GASKET	1							
18	2	24311-000120	O-RING, 1AP12.0	3							
19	2	24311-000160	O-RING, 1AP16.0	1							
20	2	119609-32040	O-RING, P16	2							
21	2	24311-000320	O-RING, 1AP32.0	2							
22	2	24341-000500	O-RING, 1AS50.0	1							
23	2	24341-000240	O-RING, 1AS24.0	1							
24	2	124465-44950	GASKET, 16	2							
25	2	23414-120000	GASKET, 12X1.0	4							
26	2	23414-080012	GASKET, 8X1.0	6							
27	2	23414-140000	GASKET, 14X1.0	2							
28	1	129400-92420	HONE	1							1
29	1	977770-01212	GASKET, LIQUID	1							1

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103854-39140	13	1
104211-11180	4	14
104211-11370	4	18
105582-59150	13	20
114250-39450	8	38
114250-53080	12	5
114250-53120	12	7
114250-53130	12	8
114250-53140	12	9
114250-53210	12	10
114250-53400	12	11
119305-59120	12	23
119309-59590	13	33
119609-32040	2	13
	16	20
119620-02020	1	12
119620-49290	9	27
119625-11870	4	19
	16	6
119625-11880	4	20
	16	7
119640-01640	3	8
119653-77950	11	85
119660-61901	11	61
119800-53000	12	2
119810-01200	1	21
119810-01730	3	6
119810-01770	3	7
119810-01780	3	16
119810-02800	1	15
119810-02870	1	23
119810-02930	1	18
119810-02940	1	26
119810-11100	4	11
119810-11110	4	12
119810-11120	4	13
119810-11240	4	24
119810-13110	5	7
	16	11
119810-14400	6	2
119810-14580	6	3
119810-23200	7	27
119810-23600	7	28
119810-23610	7	30
119810-23910	7	26
119810-35300	8	16
119810-39200	8	29
119810-42001	9	1

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119810-77330	15	11
119810-77340	15	12
119811-21570	7	12
119812-01330	1	22
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119812-11700	4	4
119813-12100	5	1
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119813-59821	12	33
119813-59831	12	34
119820-77340	15	9
119836-77201	15	1
119836-77920	15	4
119865-11210	4	23
119865-11310	4	44
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121111-21501	7	11
121450-01560	2	5
121450-42450	9	24
121520-34810	8	14
121850-21680	7	10
121850-51960	2	12
	16	4
122710-51090	10	8
124060-11800	4	7
124160-01751	2	6
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124160-01910	1	4
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124160-11340	4	16
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124160-11360	4	48
124160-39140	8	28
124240-01871	2	7
124465-44950	9	23
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124550-59830	8	33
124550-66370	11	63
124550-77030	14	34
124950-11340	4	17
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124950-51190	10	15
128170-51300	10	25
129001-01250	1	7
129001-32001	8	1
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129001-91841	2	20
129003-22950	7	34
129052-61050	11	5
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129052-61070	11	7
129052-61390	11	18
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129100-51560	10	49
129100-51570	10	48
129100-52200	10	93
129100-59951	13	7
129100-61400	11	19
129100-61930	11	84
129108-51100	10	9
129120-77501	5	4
129136-77251	15	8
129150-02450	6	4
129150-03020	4	40
129150-03070	4	41
129150-03080	4	42
129150-03090	4	1
129150-03100	2	10
129150-11230	4	31
129150-11280	4	29
129150-11750	4	33
129150-14101	6	6
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129150-25101	6	10
129150-25900	6	15
129150-25920	6	13
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129150-35350	8	25
129150-42320	9	11
129150-49811	9	31
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129150-59120	12	27
129150-59131	12	26
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129155-11260	4	27
129155-11270	4	28
129155-42350	9	18
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129155-51550	10	47
129155-51570	10	50
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129155-61140	11	10
129155-61341	11	15
129155-61350	11	16
129155-61360	11	17
129155-61430	11	22
129155-61450	11	26
129155-61460	11	27
129155-61480	11	28
129155-61830	11	60
129155-61950	11	62
129156-51910	10	77
129176-01601	3	2
129400-01520	2	4
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129470-55610	13	18
129470-55701	13	19
129477-61720	11	83
129486-01670	3	17
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129486-61501	11	33
129486-61540	11	52
129491-59540	13	29
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129550-21650	7	8
129612-77260	15	10
129612-77700	15	2
129612-77710	15	3
129612-77730	15	5
129612-77740	15	6
129612-77750	15	7
129792-22400	7	22
129795-01800	2	3
129795-01900	15	13
129795-01950	2	9
129795-02411	1	13
129795-21661	7	9
129795-49551	9	21
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129900-07900	4	2
158552-61900	11	71 -1
171008-77010	14	1
171008-77400	14	2

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171008-77480	14	10
171008-77490	14	11
171008-77500	14	12
171008-77510	14	13
171008-77520	14	14
171008-77531	14	15
171008-77540	14	16
171008-77571	14	19
171008-77640	14	20
171008-77650	14	21
171008-77660	14	22
171008-77670	14	23
171008-77750	14	30
171051-01921	1	5
171488-61200	11	11
171488-61440	11	80
174307-51170	10	13
174307-51700	11	34
22117-040000	11	64
22190-060002	13	30
22190-060003	11	65
22190-080002	2	11
		22
	8	35
		36
22190-100002	8	37
	11	66
22190-120002	11	67
	13	16
		32
22190-160002	10	89
22190-220002	3	10
22217-050000	10	80
22217-060000	10	81
22217-120000	6	17
22287-120000	11	68
22351-040010	7	7
22351-050010	10	82
22351-060012	4	22
22372-040000	11	69
22512-070140	6	7
	7	5
23414-080012	13	22
		23
	16	26
23414-120000	13	24

Parts No.	Fig. No.	Ref. No.
23414-120000	16	25
23414-140000	13	25
	16	27
23857-030000	13	26
23857-060000	13	27
23876-010000	1	6
23876-030000	9	12
23887-100002	11	70
24101-063034	10	83
24311-000120	4	21
	16	18
24311-000160	8	26
	16	19
24311-000320	2	14
	4	50
	16	21
24341-000160	10	84
24341-000240	2	25
	16	23
24341-000280	11	71
24341-000500	4	46
	16	22
25132-003800	9	17
26014-060142	9	19
26022-050122	10	85
26022-060162	10	86
26106-060102	11	72
		73
		74
26106-060142	11	75
26106-060162	2	8
26106-060202	11	76
26106-060322	14	31
26106-060402	14	32
26106-080122	2	15
26106-080142	6	8
26106-080162	2	16
	23	
	3	11
	4	3
		47
26106-080202	2	17
	8	27
26106-080252	4	35
	5	3
	9	25
26106-080352	3	3
	5	6
	8	20
	9	15

Parts No.	Fig. No.	Ref. No.
26106-080452	2	18
	3	12
	6	14
26106-080502	4	36
26106-080552	2	19
	9	16
26106-080652	9	26
26106-100302	13	28
26116-050302	10	87
26116-120252	14	33
26206-100202	3	5
26206-100252	3	4
26216-060302	4	9
26226-080182	4	34
26306-080002	2	21
26306-100002	15	14
26366-060002	4	37
26366-080002	11	86
26450-060252	8	40
26716-060002	10	88
26716-120002	6	16
26736-120002	11	77
26756-060002	11	78
26776-120002	11	79
27241-120000	1	8
27241-300000	1	9
27241-400000	4	10
27310-070001	4	15
46150-503100	9	22
719800-53300	12	1
719810-01500	2	1
719810-01650	3	14
719810-11521	4	38
719810-11660	4	30
719810-23100	7	23
719813-01560	1	1
719823-51420	10	1
719823-92700	16	1
977770-01212	2	26
	3	18
	16	29
X2114255110	14	4
X2114555500	14	27
X2114955020	14	28
X2130350900	14	3
X2240410100	14	29