

0CW10-M44700EN

P R E F A C E

1. This parts catalog is the 1st edition of 3TNV82A-GGEC for Gateway Power.

Pub.No. : 0CW10-G44700

Published : September , 2008

2. Model name

Engine model	Vehicle	Vehicle made by
3TNV82A-GGEC	GENERATOR	Gateway Power

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	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 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.

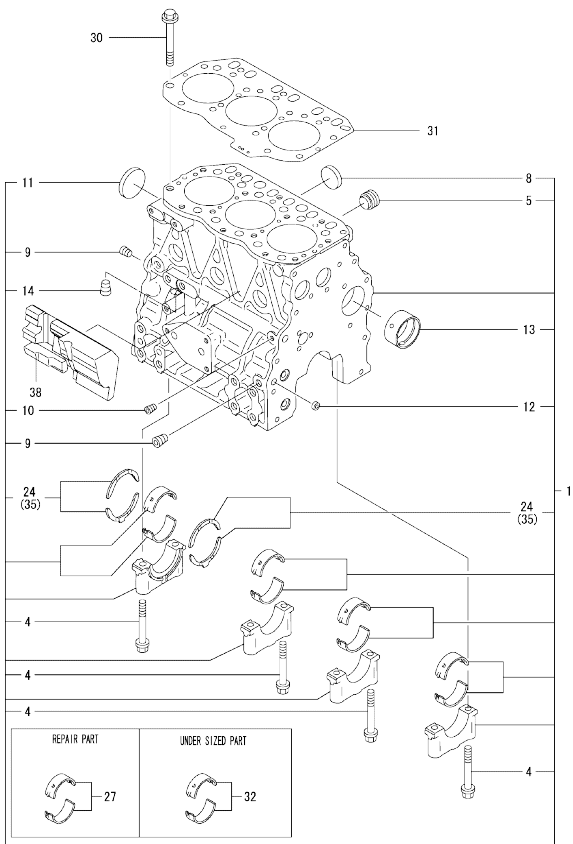
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

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Fig. No.	Fig. Name	Fig. No.	Fig. Name
ENGINE SECTION (3TNV82A-GGEC)			
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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 LINE		
15.	STARTING MOTOR		
16.	GENERATOR		
17.	GASKET SET & TOOLS		

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Fig.1. CYLINDER BLOCK

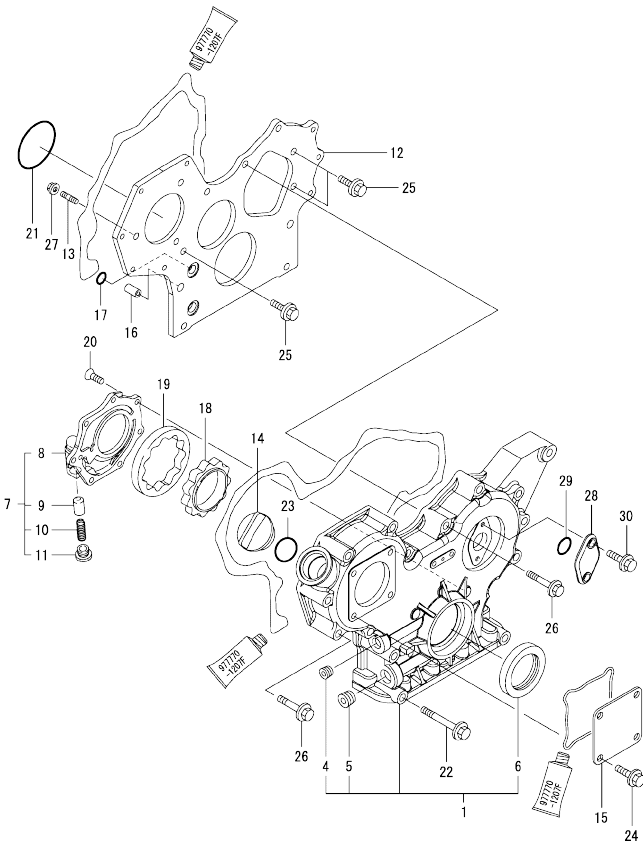


Remarks
(1)UNDER-SIZE(U.S=0.25)PART.
(2)OVER-SIZE(O.S=0.25)PART.
(3)REPAIR PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-01560	BLOCK ASSY, CYLINDER	1							
4	3	119620-02020	BOLT, METAL CAP	8							
5	3	171051-01921	PLUG, NPTF1	1							
8	3	27241-300000	PLUG 30	6							
9	2	124160-01910	PLUG, PT1/4	2							
10	2	124060-01050	PLUG, PT1/8	1							
11	2	129001-01250	PLUG, 50	1							
12	2	27241-120000	PLUG, 12	2							
13	2	129795-02412	BUSH, CAMSHAFT	1							
14	2	124160-01910	PLUG, PT1/4	1							
24	2	119810-02931	BEARING, THRUST	1							
27	1	719810-02980	BEARING, MAIN	4							3
30	1	119810-01200	BOLT, HEAD	14							
31	1	119812-01330	GASKET, HEAD	1							
32	1	119810-02871	BEARING, 0.25 US	4							1
35	1	119810-02941	BEARING, THRUST 0.25	2							2
38	1	119802-01190	SPACER	1							

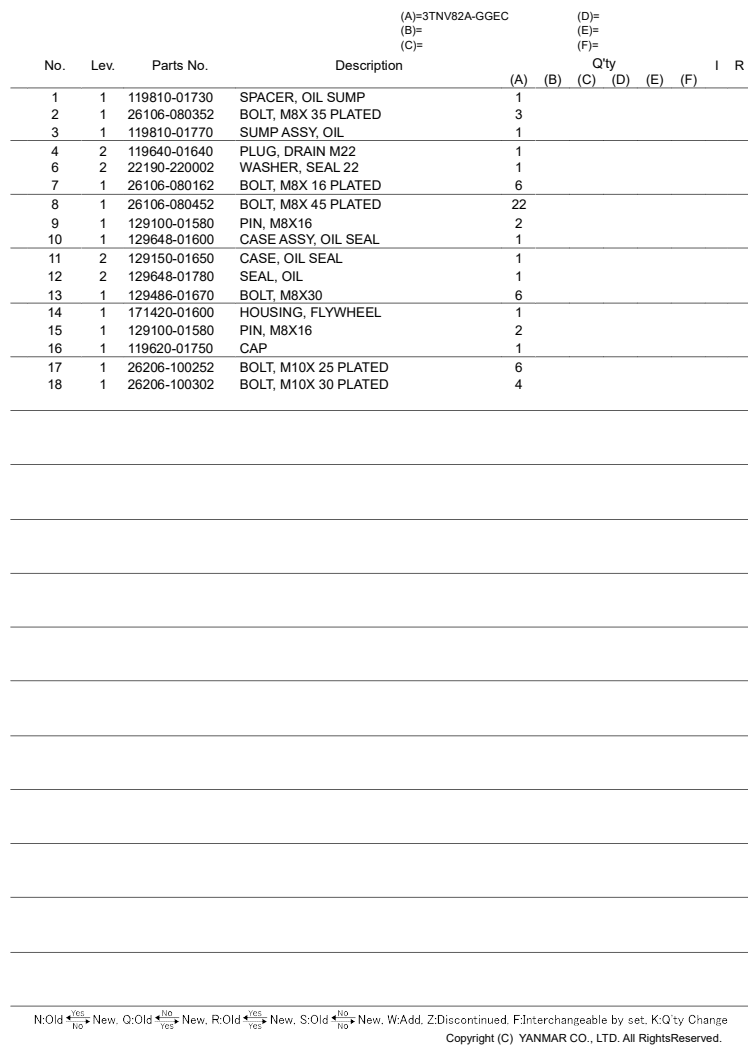
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Fig.2. GEAR HOUSING



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-01500	CASE ASSY, GEAR	1							
4	2	23876-030000	PLUG, R03	1							
5	2	23876-040000	PLUG, R04	1							
6	2	119934-01800	SEAL, OIL	1							
7	1	119802-32100	COVER ASSY	1							
8	2	119802-32070	COVER	1							
9	2	129900-32130	VALVE, RELIEF	1							
10	2	129418-32320	SPRING	1							
11	2	129001-32330	PLUG	1							
12	1	119802-01520	FLANGE, GEAR CASE	1							
13	1	119802-01561	STUD, M8X25	3							
14	1	124160-01751	COVER, FILLER	1							
15	1	124240-01871	COVER	1							
16	1	129795-01950	PIPE, KNOCK L=18	2							
17	1	119609-32040	O-RING, P16	4							
18	1	119802-32111	ROTOR, INNER	1							
19	1	119802-32120	ROTOR, OUTER	1							
20	1	119802-32130	SCREW, M6X16	7							
21	1	121850-51960	O-RING	1							
22	1	129001-91841	BOLT, M8X85	3							
23	1	24311-000320	O-RING, 1AP32.0	1							
24	1	26106-080162	BOLT, M8X 16 PLATED	4							
25	1	26106-080162	BOLT, M8X 16 PLATED	3							
26	1	26106-080552	BOLT, M8X 55 PLATED	12							
27	1	26306-080002	NUT, M8	3							
28	1	121023-01551	COVER	1							
29	1	24341-000240	O-RING, 1AS24.0	1							
30	1	26106-060162	BOLT, M6X 16 PLATED	2							

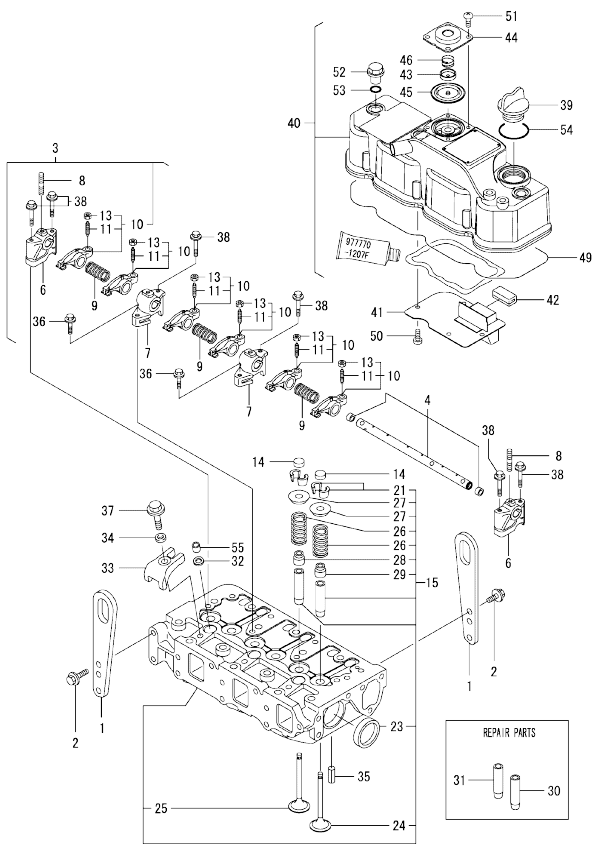
Fig.3. FLYWHEEL HOUSING & OIL SUMP



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

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Fig.4. CYLINDER HEAD & BONNET

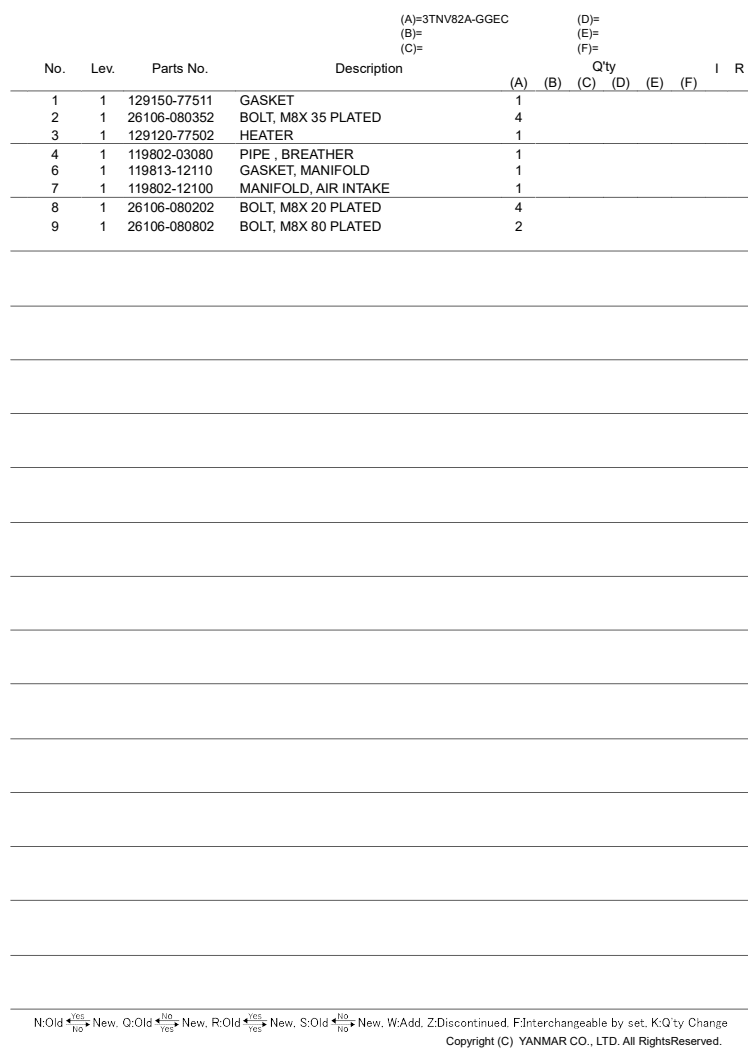


Remarks
(1)REPAIR PART.

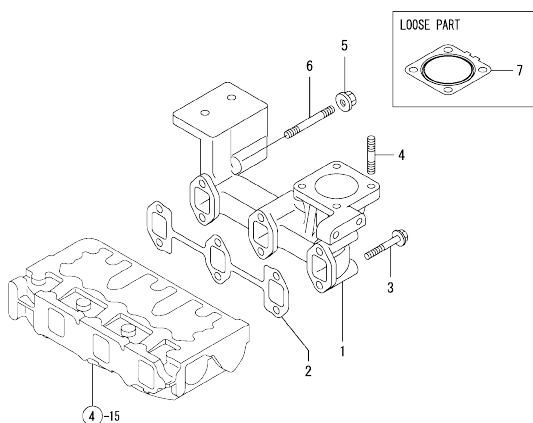
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER	2							
2	1	26106-080162	BOLT, M8X 16 PLATED	4							
3	1	119802-11241	SHAFT ASSY, ROCKER	1							
4	2	119802-11251	SHAFT, ROCKER ARM	1							
6	2	119802-11260	SUPPORT, ROCKER ARM	2							
7	2	119802-11270	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	119946-11700	HEAD ASSY, CYLINDER	1							
21	2	27310-070001	COTTER, 7	6							
23	2	27241-400000	PLUG, 40	2							
24	2	119802-11100	VALVE, INTAKE	3							
25	2	119802-11110	VALVE, EXHAUST	3							
26	2	119810-11120	SPRING, VALVE	6							
27	2	104211-11180	RETAINER, SPRING	6							
28	2	124160-11340	SEAL, VALVE STEM	3							
29	2	119803-11340	SEAL, VALVE STEM	3							
30	1	124060-11800	GUIDE, VALVE	3							1
31	1	119802-11810	GUIDE, VALVE	3							1
32	1	119625-11880	SEAT, NOZZLE	3							
33	1	119802-11900	RETAINER, NOZZLE	3							
34	1	120270-54410	WASHER, INJECTOR	3							
35	1	22351-060012	PIN, SPRING 6.0X12	2							
36	1	26106-080252	BOLT, M8X 25 PLATED	2							
37	1	26106-080452	BOLT, M8X 45 PLATED	3							
38	1	26106-080502	BOLT, M8X 50 PLATED	6							
39	1	124160-01751	COVER, FILLER	1							
40	1	119802-11350	BONNET ASSY, HEAD	1							
41	2	119802-03010	PLATE	1							
42	2	129150-03070	BAFFLE, BREATHER	1							
43	2	119802-03110	PLATE	1							
44	2	119802-03121	COVER, DIAPHRAGM	1							
45	2	119802-03130	DIAPHRAGM	1							
46	2	119802-03141	SPRING, DIAPHRAGM	1							
49	2	119802-11310	GASKET, BONNET	1							
50	2	22857-500100	SCREW, 5X10	4							
51	2	22857-500100	SCREW, 5X10	4							
52	1	124160-11360	KNOB	3							
53	1	24311-000120	O-RING, 1AP12.0	3							
54	1	24311-000320	O-RING, 1AP32.0	1							
55	1	119802-11870	PROTECTOR, NOZZLE	3							

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



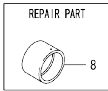
N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change



				(A)=3TNV82A-GGEC					(D)=			
				(B)=					(E)=			
				(C)=					(F)=			
No.	Lev.	Parts No.	Description	(A)	(B)	Q'ty	(C)	(D)	(E)	(F)	I	R
1	1	119802-13109	MANIFOLD, EXHAUST	1								
2	1	119810-13110	GASKET	1								
3	1	119802-13640	BOLT, M8X60 10.9T	4								
4	1	119131-18320	STUD, M8X22	4								
5	1	26306-080002	NUT, M8	2								
6	1	119802-13740	STUD, M8X60	2								
7	1	129004-13200	GASKET, SILENCER	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.7. CAMSHAFT & DRIVING GEAR

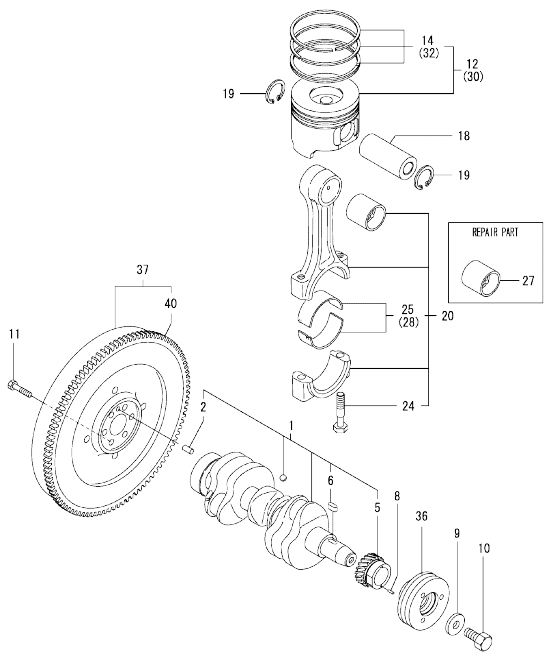
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(1)REPAIR PART.

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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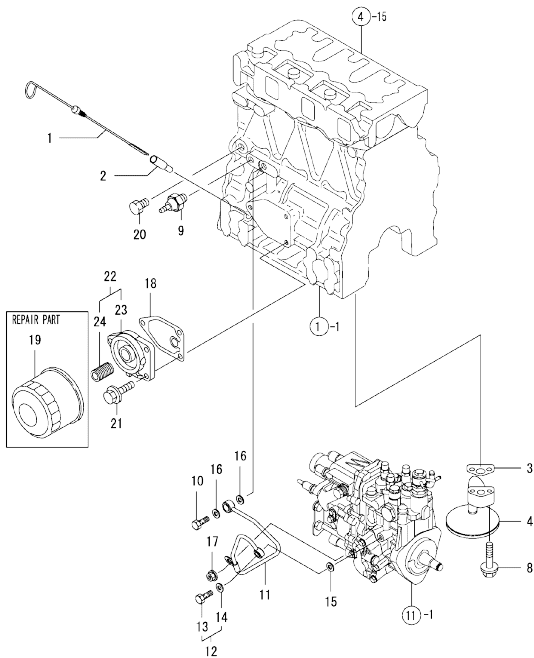
Fig.8. CRANKSHAFT & PISTON



Remarks
(1)REPAIR PART.
(2)UNDER-SIZE(U.S=0.25)PART.
(3)OVER-SIZE(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							
5	2	119802-21202	GEAR, CRANKSHAFT	1							
6	2	22512-070140	KEY, 7X 14	1							
8	1	22351-030010	PIN, SPRING 3.0X10	1							
9	1	129795-21661	WASHER	1							
10	1	121850-21680	BOLT	1							
11	1	121111-21501	BOLT, FLYWHEEL	6							
12	1	119802-22080	PISTON ASSY	3							
14	2	119802-22500	RING SET, PISTON	3							
18	1	119813-22300	PIN, PISTON	3							
19	1	129792-22400	CIRCLIP, 23	6							
20	1	719810-23100	ROD ASSY, CONNECTING	3							
24	2	119810-23200	BOLT, CONNECTING ROD	6							
25	2	119810-23601	BEARING, CRANK PIN	3							
27	1	119810-23910	BEARING, PISTON PIN	3							1
28	1	119810-23611	BEARING, 0.25 US	3							2
30	1	119802-22900	PISTON ASSY, 0.25 OS	3							3
32	2	119802-22950	RING SET, 0.25 OS	3							
36	1	119802-21660	V-PULLEY, 120	1							
37	1	171420-21590	FLYWHEEL ASSY	1							
40	2	124550-21600	GEAR, RING	1							

Fig.9. LUB.OIL SYSTEM

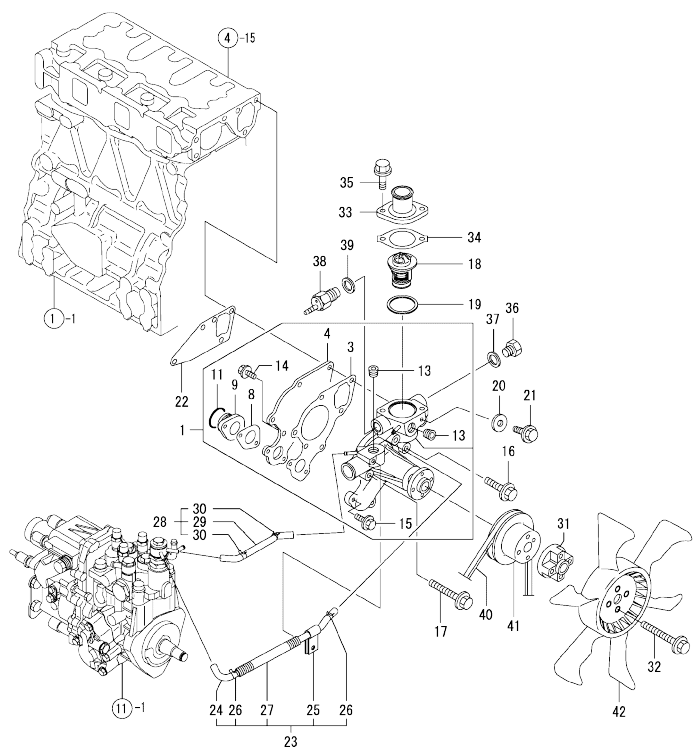


Remarks
(1)REPAIR PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-34802	DIPSTICK, OIL	1							
2	1	121520-34810	GUIDE, DIPSTICK	1							
3	1	129150-35042	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	129150-35111	GASKET	1							
19	1	129150-35153	FILTER	1							1
20	1	171056-49120	PLUG, DRAIN	1							
21	1	26106-080202	BOLT, M8X 20 PLATED	3							
22	1	119802-35100	BRACKET ASSY, FILTER	1							
23	2	119802-35110	BRACKET, FILTER	1							
24	2	129100-35140	STUD	1							

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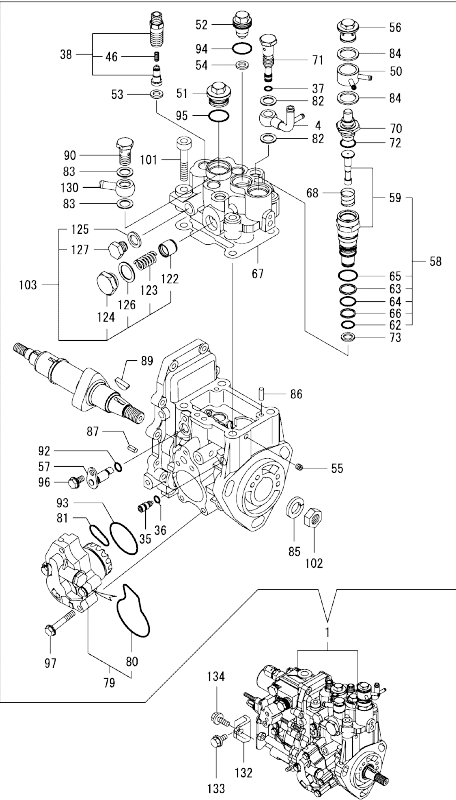
Fig.10. COOLING WATER SYSTEM



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	26106-080352	BOLT, M8X 35 PLATED	1							
17	1	26106-080552	BOLT, M8X 55 PLATED	3							
18	1	129155-49801	THERMOSTAT, 71	1							
19	1	129150-49811	GASKET, THERMOSTAT	1							
20	1	23414-080000	GASKET, 8X1.0	1							
21	1	26106-080122	BOLT, M8X 12 PLATED	1							
22	1	129486-42050	GASKET, WATER PUMP	1							
23	1	119802-49610	PIPE ASSY, WATER	1							
24	2	119802-49711	PIPE ASSY, WATER	1							
25	2	119802-49730	RETAINER, PIPE	1							
26	2	124722-59050	CLIP, HOSE 9	2							
27	2	119802-59320	TUBE, CORRUGATED	1							
28	1	119802-49620	PIPE ASSY, WATER	1							
29	2	119802-49721	PIPE ASSY, WATER	1							
30	2	124722-59050	CLIP, HOSE 9	2							
31	1	121267-44760	SPACER	1							
32	1	26106-060302	BOLT, M6X 30 PLATED	4							
33	1	129350-49530	COVER, THERMOSTAT	1							
34	1	129795-49551	GASKET	1							
35	1	26106-080222	BOLT, M8X 22 PLATED	2							
36	1	121450-42450	PLUG, M16	1							
37	1	124465-44950	GASKET, 16	1							
38	1	121250-44901	SWITCH, 110	1							
39	1	124465-44950	GASKET, 16	1							
40	1	129612-42350	V-BELT, A38	1							
41	1	129155-42350	V-PULLEY	1							
42	1	171340-44740	FAN, COOLING D335XNF	1							

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Fig.11. FUEL INJECTION PUMP

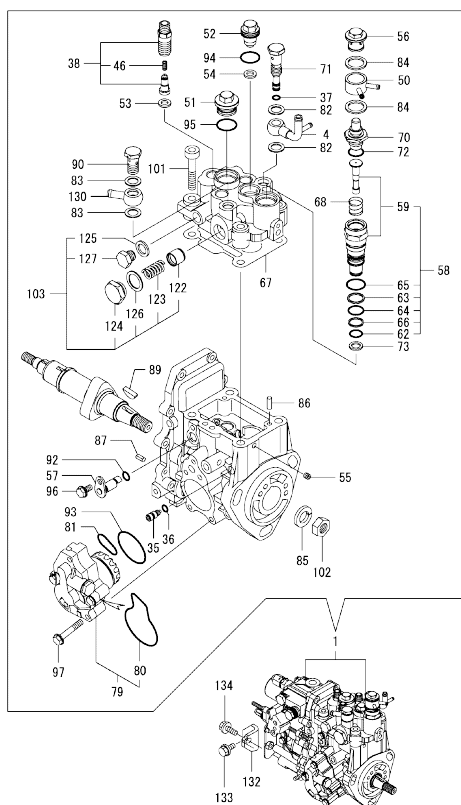


Remarks
(1)GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FUEL
INJECTION PUMP.(REF.NO.1).

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							
35	3	158600-51270	STOPPER, TAPPET	1							
36	3	158563-51281	O-RING, 4D S6	1							
37	3	158563-51281	O-RING, 4D S6	1							
38	3	129509-51390	VALVE ASSY, DELIVERY	3							
46	4	158563-51330	SPRING, DELIVERY	3							
50	3	158553-51551	JOINT	1							
51	3	158601-51550	PLUG	1							
52	3	119802-51560	PLUG, BARREL	1							
53	3	158552-51571	GASKET	1							
54	3	158552-51571	GASKET	3							
55	3	158557-51570	PLUG	1							
56	3	158601-51570	PLUG	1							
57	3	158552-51580	LIFTER	1							
58	3	119802-51590	TIMER SET	1							
59	4	119802-51600	TIMER ASSY	1							
62	4	158553-51670	O-RING, 1011	1							
63	4	119802-51680	RING, BACK UP	1							
64	4	119802-51690	O-RING	1							
65	4	24356-010200	O-RING, 4D1020	1							
66	4	24372-000150	RING, BACK UP T2P15	1							
67	3	158552-51600	GASKET	1							
68	3	158553-51630	SPRING, TIMER	1							
70	3	158553-51640	ELEMENT	1							
71	3	158601-51650	JOINT, OVER FLOW	1							
72	3	158553-51660	O-RING, P14	1							
73	3	158553-51680	GASKET	1							
79	3	158552-52100	PUMP ASSY, FUEL FEED	1							
80	4	158552-52500	O-RING	1							
81	3	158552-52310	O-RING	1							
82	3	22190-120002	WASHER, SEAL 12	2							
83	3	22190-120002	WASHER, SEAL 12	2							
84	3	22190-180002	WASHER, SEAL 18	2							
85	3	22217-140000	WASHER, SPRING 14	1							
86	3	22312-050140	PIN, PARALLEL M5X14	2							
87	3	22351-050010	PIN, SPRING 5.0X10	2							
89	3	119802-51090	KEY, 4X16	1							
90	3	23857-060000	BOLT, JOINT 6	1							
92	3	24311-000070	O-RING, 1AP7.0	1							
93	3	158552-52400	O-RING, 4E S42	1							
94	3	24356-010180	O-RING, 4D1018	1							
95	3	24356-010200	O-RING, 4D1020	1							
96	3	26106-060102	BOLT, M6X 10 PLATED	1							
97	3	158553-51770	BOLT	4							
101	3	26450-080452	BOLT, M8X 45	4							
102	3	26776-140002	NUT, LOCK M14	1							
103	3	129044-51741	HEAD ASSY	1							
122	4	158601-51770	PISTON	1							
123	4	158552-51781	SPRING	1							
124	4	158601-51790	PLUG	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
++ CONTINUE ++
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Fig.11. FUEL INJECTION PUMP



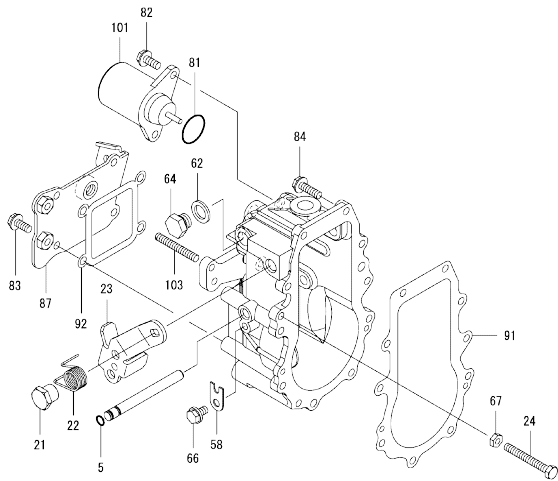
Remarks
(1)GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FUEL
INJECTION PUMP.(REF.NO.1).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
125	4	22190-120002	WASHER, SEAL 12	1							
126	4	22190-180002	WASHER, SEAL 18	1							
127	4	23887-120002	PLUG, 12	1							
130	2	129916-59020	JOINT, PIPE 12	1							
132	1	119802-51250	RETAINER, PUMP	1							
133	1	26106-080162	BOLT, M8X 16 PLATED	1							
134	1	26106-080202	BOLT, M8X 20 PLATED	1							

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

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Fig.12. GOVERNOR



Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.11).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
5	4	129155-51280	O-RING, S6	1							
21	4	129255-61410	NUT, LOCK	1							
22	4	119807-61420	SPRING, RETURN	1							
23	4	129246-61441	LEVER, REGULATOR	1							
24	4	129155-61460	BOLT, IDLE	1							
58	4	119660-61901	RETAINER, SHAFT	1							
62	4	22190-120000	WASHER, SEAL 12	1							
64	4	23887-120002	PLUG, 12	1							
66	4	26106-060102	BOLT, M6X 10 PLATED	1							
67	4	26756-060002	NUT, LOCK M6	1							
81	3	158552-61900	O-RING	1							
82	3	26106-060142	BOLT, M6X 14 PLATED	2							
83	3	26106-060142	BOLT, M6X 14 PLATED	4							
84	3	26106-060202	BOLT, M6X 20 PLATED	10							
87	3	129246-61061	COVER, GOVERNOR CASE	1							
91	3	158553-61050	GASKET	1							
92	3	158553-61070	GASKET	1							
101	2	119653-77950	SOLENOID, STOP	1							
103	2	171002-66830	SCREW	1							

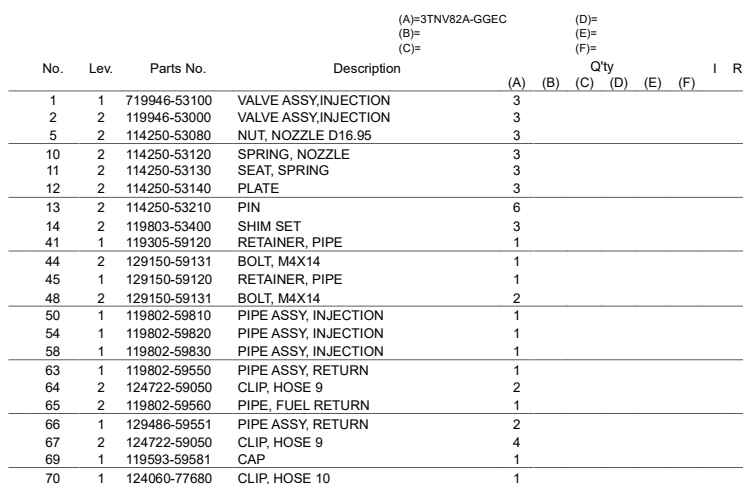
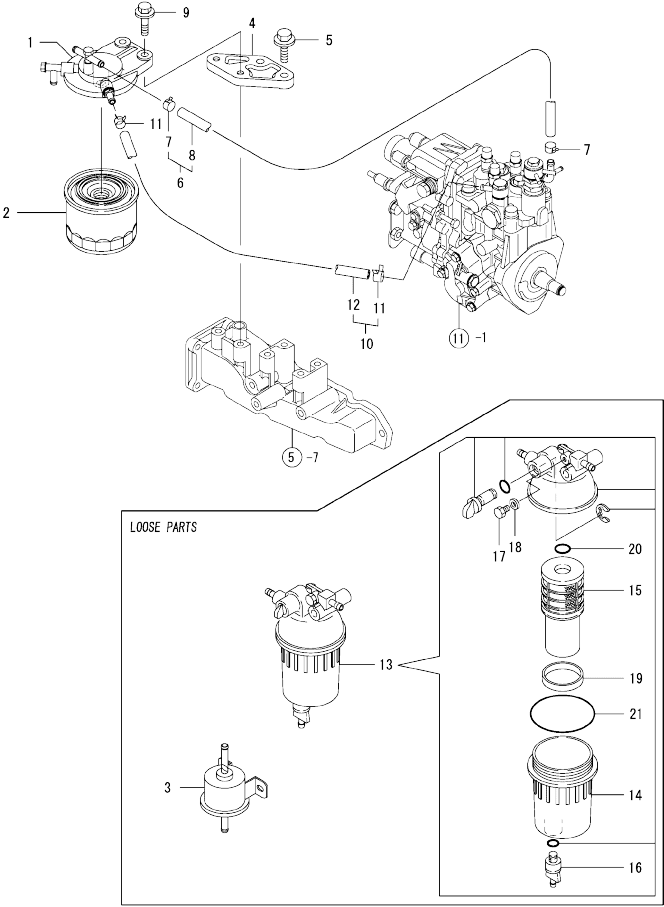


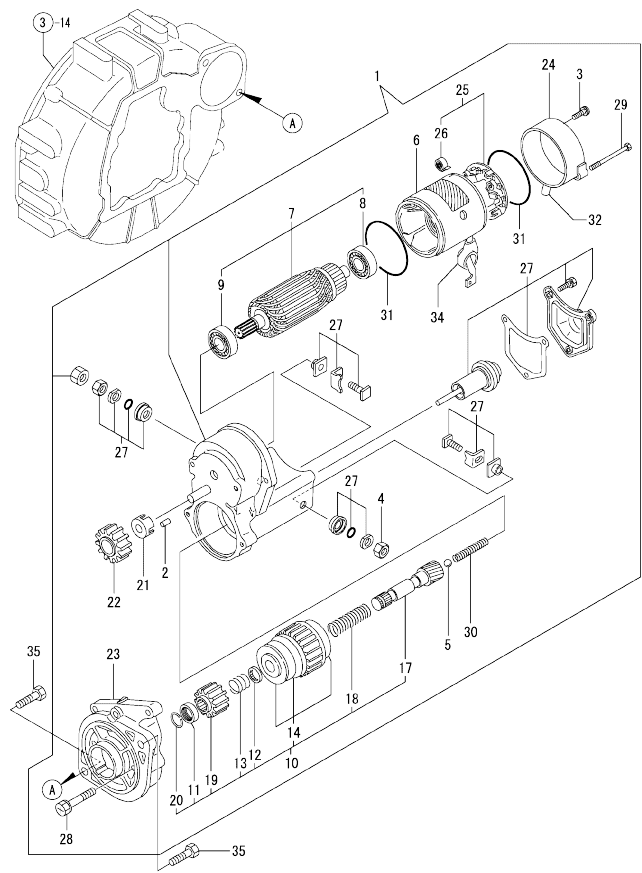
Fig.14. FUEL LINE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-55612	BRACKET, FILTER	1							
2	1	129907-55801	FILTER, FUEL	1							
3	1	119225-52102	PUMP ASSY, FUEL FEED	1							1
4	1	119940-55690	SPACER	1							
5	1	26106-080252	BOLT, M8X 25 PLATED	2							
6	1	129210-59070	PIPE ASSY, FUEL	1							
7	2	124766-59050	CLIP, HOSE 12	2							
8	2	105025-59760	PIPE, FUEL	1							
9	1	26106-080302	BOLT, M8X 30 PLATED	2							
10	1	119940-59020	PIPE ASSY, FUEL L340	1							
11	2	124766-59050	CLIP, HOSE 12	2							
12	2	129255-59580	PIPE, FUEL	1							
13	1	129242-55700	SEPARATOR ASSY	1							1
14	2	129242-55720	CUP	1							1
15	2	129242-55730	ELEMENT	1							1
16	2	129242-55740	PLUG, DRAIN	1							1
17	2	129242-55750	VALVE, AIR VENT	1							1
18	2	129242-55760	GASKET	1							1
19	2	129242-55770	FLOAT	1							1
20	2	24311-000160	O-RING, 1AP16.0	1							1
21	2	24321-000750	O-RING, 1AG75.0	1							1

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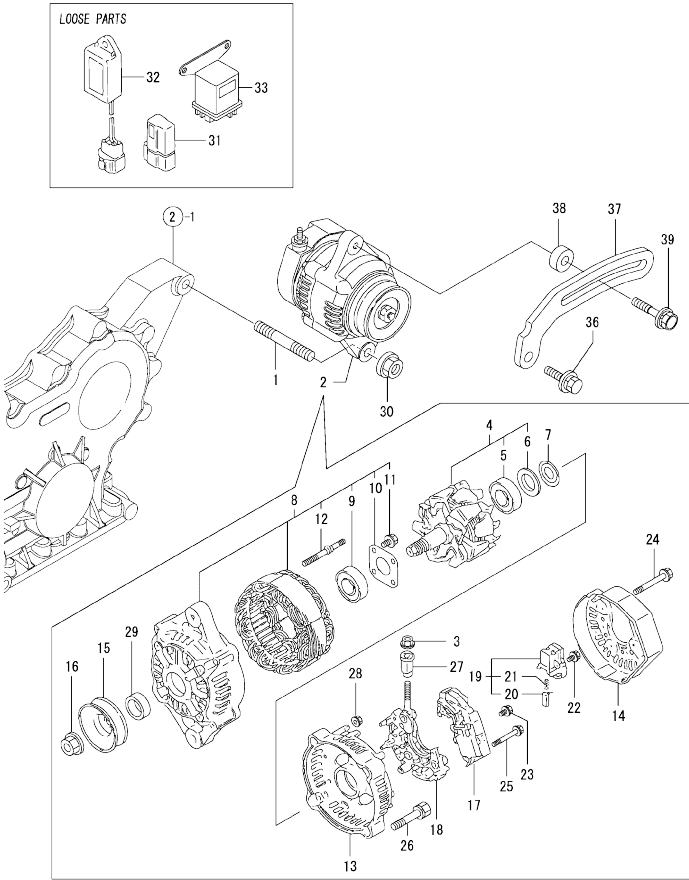
Fig.15. STARTING MOTOR



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

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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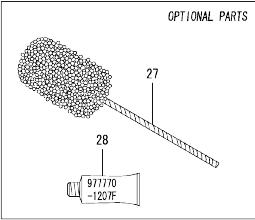
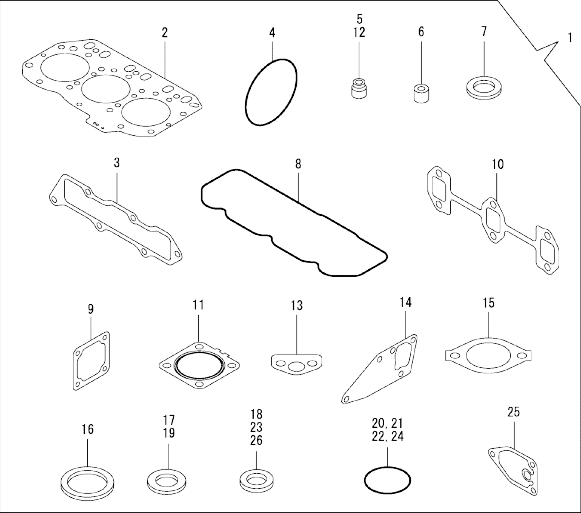
Fig.16. GENERATOR



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	1							
7	2	119620-79360	WASHER, THRUST	1							
8	2	119620-77421	FRAME ASSY, DRIVE	1							
9	3	119620-79200	BEARING, BALL	1							
10	3	119620-79210	PLATE, RETAINER	1							
11	3	119620-79220	SCREW	4							
12	3	119620-79230	STUD	2							
13	2	119620-77440	FRAME ASSY	1							
14	2	129240-79300	COVER	1							
15	2	119620-77461	PULLEY	1							
16	2	119620-77471	NUT	1							
17	2	129423-77710	REGULATOR ASSY	1							
18	2	119620-79260	HOLDER	1							
19	2	119620-79270	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	119620-77490	COLLAR	1							
30	1	26306-100002	NUT, M10	1							
31	1	119643-66900	DIODE	1							
32	1	129211-77920	TIMER	1							
33	1	119650-77910	RELAY ASSY, GLOW	1							
36	1	26106-080452	BOLT, M8X 45 PLATED	1							
37	1	119940-77330	ADJUSTER	1							
38	1	119940-77270	SPACER, GENERATOR	1							
39	1	129972-77341	BOLT, ADJUSTER L=50	1							

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Fig.17. GASKET SET & TOOLS



Remarks
(1)OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719946-92600	GASKET SET	1							1
2	2	119812-01330	GASKET, HEAD	1							
3	2	119813-12110	GASKET, MANIFOLD	1							
4	2	121850-51960	O-RING	1							
5	2	119803-11340	SEAL, VALVE STEM	3							
6	2	119802-11870	PROTECTOR, NOZZLE	3							
7	2	119625-11880	SEAT, NOZZLE	3							
8	2	119802-11310	GASKET, BONNET	1							
9	2	129150-77511	GASKET	1							
10	2	119810-13110	GASKET	1							
11	2	129004-13200	GASKET, SILENCER	1							
12	2	124160-11340	SEAL, VALVE STEM	3							
13	2	129150-35042	GASKET	1							
14	2	129486-42050	GASKET, WATER PUMP	1							
15	2	129795-49551	GASKET	1							
16	2	129150-49811	GASKET, THERMOSTAT	1							
17	2	23414-080000	GASKET, 8X1.0	1							
18	2	22190-080002	WASHER, SEAL 6	2							
19	2	124465-44950	GASKET, 16	2							
20	2	24311-000120	O-RING, 1AP12.0	3							
21	2	24311-000320	O-RING, 1AP32.0	2							
22	2	24341-000240	O-RING, 1AS24.0	1							
23	2	22190-100002	WASHER, SEAL 10	2							
24	2	119609-32040	O-RING, P16	4							
25	2	129150-35111	GASKET	1							
26	2	22190-220002	WASHER, SEAL 22	1							
27	1	129400-92420	HONE	1							1
28	1	977770-1207F	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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119802-25101	7	5
119802-25901	7	11
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119802-32100	2	7
119802-32111	2	18
119802-32120	2	19
119802-32130	2	20
119802-34802	9	1
119802-35100	9	22
119802-35110	9	23
119802-39450	9	11
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121850-51960	2	21
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129648-01780	3	12
129792-22400	8	19
129795-01900	16	1
129795-01950	2	16
129795-02412	1	13
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129907-55801	14	2
129916-59020	11	130
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171002-66830	12	103
171051-01921	1	5
171056-49120	9	20
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24311-000120	4	53
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24311-000160	14	20
24311-000320	2	23
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		83
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26106-080302	14	9
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26306-100002	16	30
26366-060002	9	17
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27241-120000	1	12
27241-300000	1	8
27241-400000	4	23
27310-070001	4	21
719802-01500	2	1
719802-01560	1	1
719810-02980	1	27
719810-23100	8	20
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719946-53100	13	1
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