

0CW10-M42000EN

P R E F A C E

1. This Parts catalog is the 1st edition of 3TNV82A-GEU for EURO FRIGO.

Pub.No. : 000Y00W4200

Published : July , 2008

2. Model name

Engine model	Vehicle	Vehicle made by
3TNV82A-GEU	GENERATOR	EURO FRIGO

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

Contents

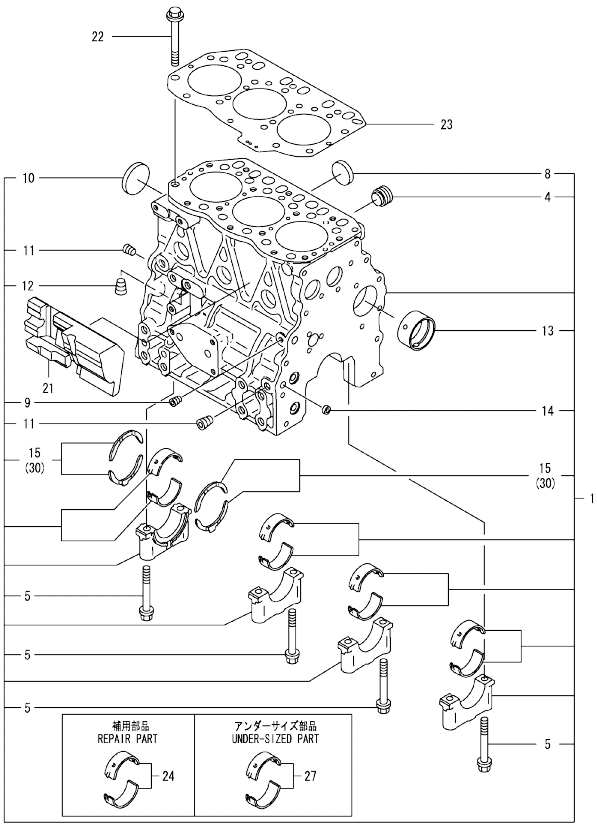
0CW10-M42000

Fig. No. Fig. Name
ENGINE SECTION (3TNV82A-GEU)

- 1. CYLINDER BLOCK
- 2. GEAR HOUSING
- 3. FLYWHEEL HOUSING & OIL SUMP
- 4. CYLINDER HEAD & BONNET
- 5. SUCTION MANIFOLD
- 6. EXHAUST MANIFOLD & SILENCER
- 7. CAMSHAFT & DRIVING GEAR
- 8. CRANKSHAFT & PISTON
- 9. LUB.OIL SYSTEM
- 10. COOLING WATER SYSTEM
- 11. FUEL INJECTION PUMP
- 12. GOVERNOR
- 13. FUEL INJECTION VALVE
- 14. FUEL FILTER
- 15. STARTING MOTOR
- 16. GENERATOR
- 17. GASKET SET

Fig. No. Fig. Name

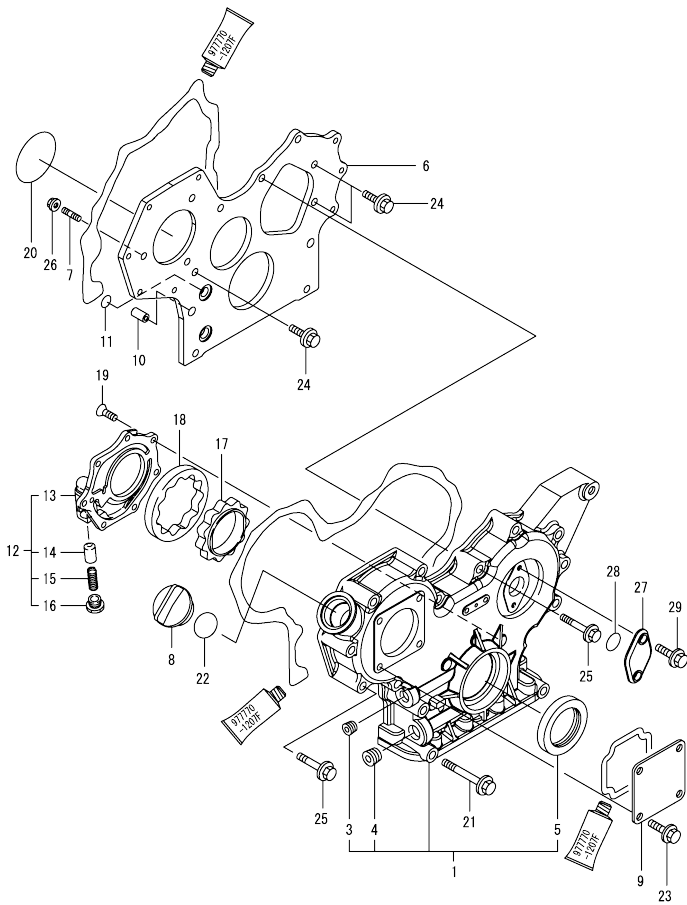
Fig.1. CYLINDER BLOCK



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	2	171051-01921	PLUG, NPT F1	1							
5	2	119620-02020	BOLT, METAL CAP	8							
8	2	27241-300000	PLUG 30	6							
9	2	124060-01050	PLUG, PT 1/8	1							
10	2	129001-01250	PLUG, 50	1							
11	2	124160-01910	PLUG, PT 1/4	2							
12	2	124160-01910	PLUG, PT 1/4	1							
13	2	129795-02412	BUSH, CAMSHAFT	1							
14	2	27241-120000	PLUG, 12	2							
15	2	119810-02931	BEARING, THRUST	1							
21	1	119802-01190	SPACER	1							
22	1	119810-01200	BOLT, HEAD	14							
23	1	119812-01330	GASKET, HEAD	1							
24	1	719810-02981	BEARING, MAIN	4							3
27	1	119810-02871	BEARING, 0.25 US	4							1
30	1	119810-02941	BEARING, THRUST 0.25	2							2

Fig.2. GEAR HOUSING



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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-01500	CASE ASSY, GEAR	1							
3	2	23876-030000	PLUG, R03	1							
4	2	23876-040000	PLUG, R04	1							
5	2	119934-01800	SEAL, OIL	1							
6	1	119802-01520	FLANGE, GEAR CASE	1							
7	1	119802-01561	STUD, M8X25	3							
8	1	124160-01751	COVER, FILLER	1							
9	1	124240-01871	COVER	1							
10	1	129795-01950	PIPE, KNOCK L=18	2							
11	1	119609-32040	O-RING, P16	4							
12	1	119802-32100	COVER ASSY	1							
13	2	119802-32070	COVER	1							
14	2	129900-32130	VALVE, RELIEF	1							
15	2	129418-32320	SPRING	1							
16	2	129001-32330	PLUG	1							
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	121023-01551	COVER	1							
28	1	24341-000240	O-RING, 1AS24.0	1							
29	1	26106-060162	BOLT, M6X 16 PLATED	2							

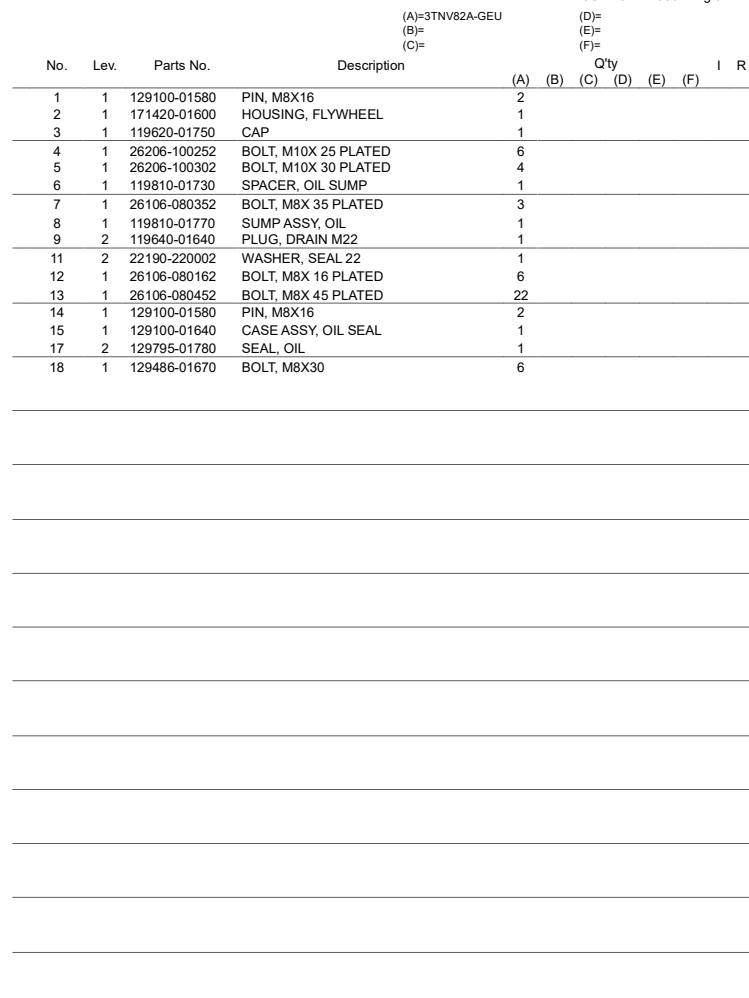
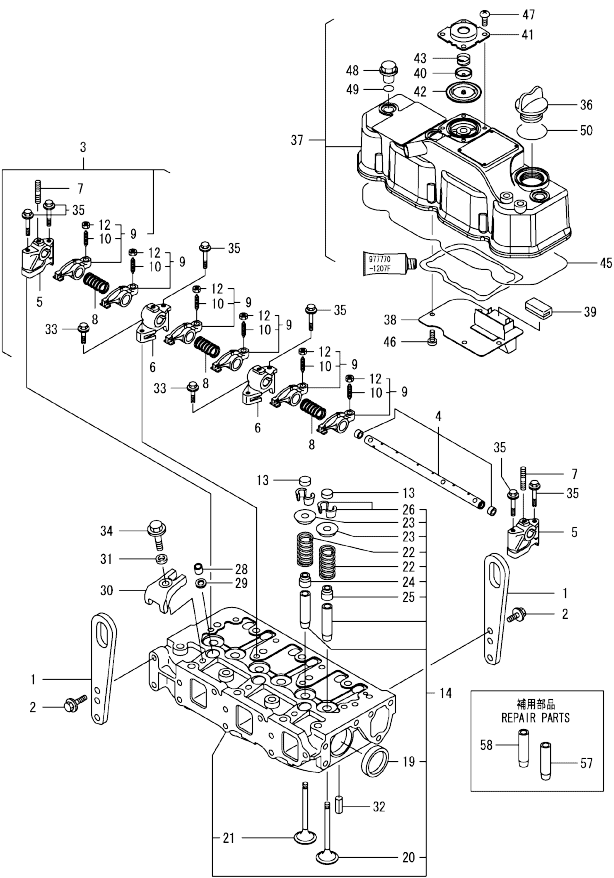


Fig.4. CYLINDER HEAD & BONNET

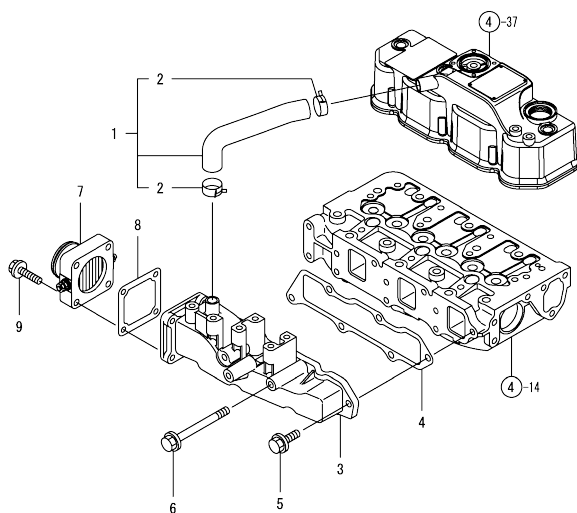


Remarks
(1) REPAIR PART.

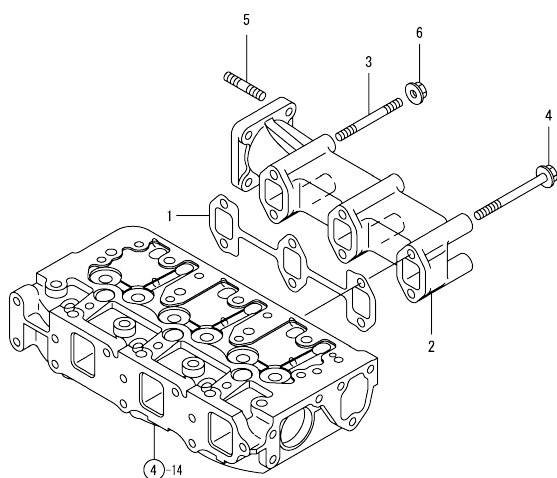
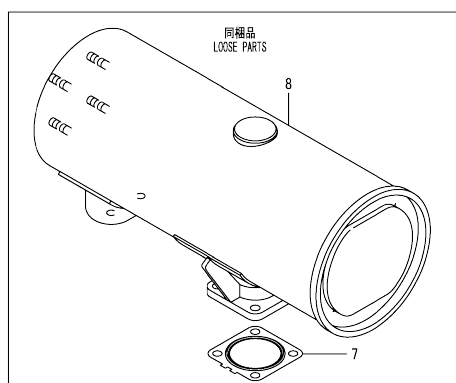
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(C)=

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

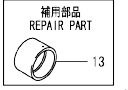
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER	2							
2	1	26106-080162	BOLT, M8X 16 PLATED	4							
3	1	119802-11241	SHAFT ASSY, ROCKER	1							
4	2	119802-11251	SHAFT, ROCKER ARM	1							
5	2	119802-11260	SUPPORT, ROCKER ARM	2							
6	2	119802-11270	SUPPORT, ROCKER ARM	2							
7	2	119802-11280	STUD	3							
8	2	129150-11280	SPRING	3							
9	2	119802-11650	ARM, ROCKER	6							
10	3	129150-11230	SCREW, VALVE ADJUST	6							
12	3	129150-11750	NUT, M8	6							
13	1	104211-11370	CAP, VALVE	6							
14	1	119946-11700	HEAD ASSY, CYLINDER	1							
19	2	27241-400000	PLUG, 40	2							
20	2	119802-11100	VALVE, INTAKE	3							
21	2	119802-11110	VALVE, EXHAUST	3							
22	2	119810-11120	SPRING, VALVE	6							
23	2	104211-11180	RETAINER, SPRING	6							
24	2	119803-11340	SEAL, VALVE STEM	3							
25	2	124160-11340	SEAL, VALVE STEM	3							
26	2	27310-070001	COTTER, 7	6							
28	1	119802-11870	PROTECTOR, NOZZLE	3							
29	1	119625-11880	SEAT, NOZZLE	3							
30	1	119802-11900	RETAINER, NOZZLE	3							
31	1	120270-54410	WASHER, INJECTOR	2							
32	1	22351-060012	PIN, SPRING 6.0X12	3							
33	1	26106-080252	BOLT, M8X 25 PLATED	2							
34	1	26106-080452	BOLT, M8X 45 PLATED	3							
35	1	26106-080502	BOLT, M8X 50 PLATED	6							
36	1	124160-01751	COVER, FILLER	1							
37	1	119802-11350	BONNET ASSY, HEAD	1							
38	2	119802-03010	PLATE	1							
39	2	129150-03070	BAFFLE, BREATHER	1							
40	2	119802-03110	PLATE	1							
41	2	119802-03121	COVER, DIAPHRAGM	1							
42	2	119802-03130	DIAPHRAGM	1							
43	2	119802-03141	SPRING, DIAPHRAGM	1							
45	2	119802-11310	GASKET, BONNET	1							
46	2	22857-500100	SCREW, 5X10	4							
47	2	22857-500100	SCREW, 5X10	4							
48	1	124160-11360	KNOB	3							
49	1	24311-000120	O-RING, 1AP12.0	3							
50	1	24311-000320	O-RING, 1AP32.0	1							
57	1	124060-11800	GUIDE, VALVE	3							1
58	1	119802-11810	GUIDE, VALVE	3							1



				(A)=3TNV82A-GEU (B)= (C)=	0CW10-M42000 Fig.5 (D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	R	
1	1	119802-03080	PIPE , BREATHER		1						
2	2	129410-03990	CLIP		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	129120-77502	HEATER		1						
8	1	129150-77511	GASKET		1						
9	1	26106-080352	BOLT, M8X 35 PLATED		4						



				(A)=3TNV82A-GEU (B)= (C)=	0CW10-M42000 Fig.6 (D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119810-13110	GASKET	1							
2	1	119802-13129	MANIFOLD, EXHAUST	1							
3	1	123900-13610	STUD, M8X80	2							
4	1	123900-13630	BOLT, M8X80	4							
5	1	119131-18320	STUD, M8X22	4							
6	1	26306-080002	NUT, M8	2							
7	1	129004-13200	GASKET, SILENCER	3							
8	1	129004-13550	SILENCER	1							

[illegible]

(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:Qty Change

Fig.8. CRANKSHAFT & PISTON

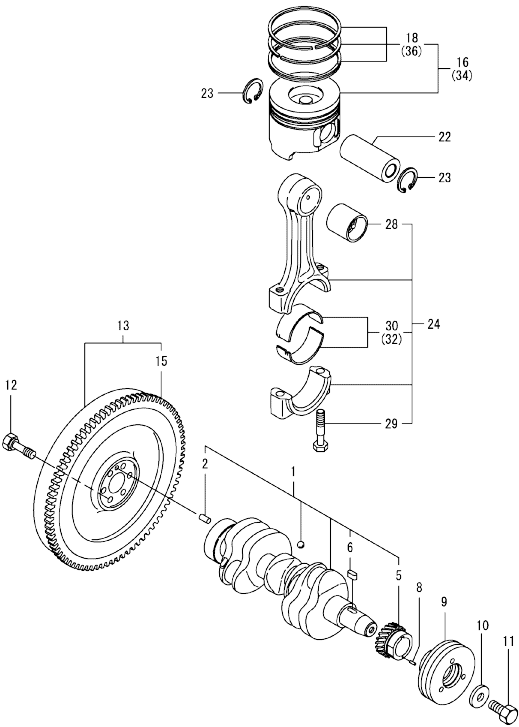
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(B)=
(C)=

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

Q'ty

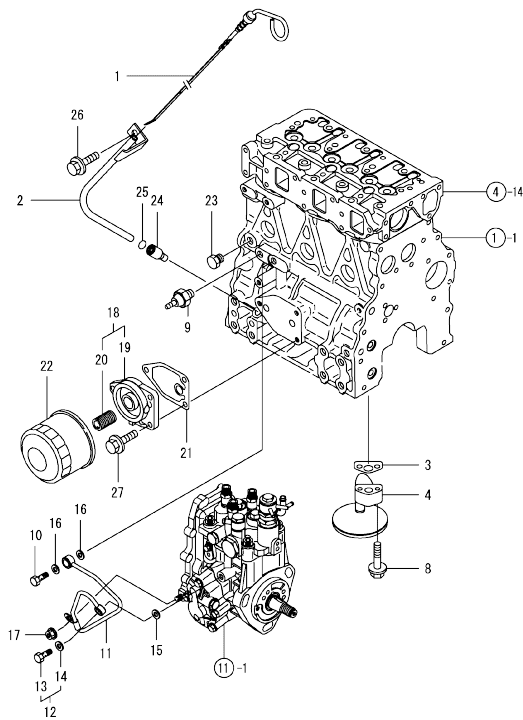
I R

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
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	119802-21660	V-PULLEY, 120	1							
10	1	129795-21661	WASHER	1							
11	1	121850-21680	BOLT	1							
12	1	121111-21501	BOLT, FLYWHEEL	6							
13	1	171420-21590	FLYWHEEL ASSY	1							
15	2	124550-21600	GEAR, RING	1							
16	1	119802-22080	PISTON ASSY	3							
18	2	119802-22500	RING SET, PISTON	3							
22	1	119813-22300	PIN, PISTON	3							
23	1	129792-22400	CIRCLIP, 23	6							
24	1	719810-23100	ROD ASSY, CONNECTING	3							
28	2	119810-23910	BEARING, PISTON PIN	3							1
29	2	119810-23200	BOLT, CONNECTING ROD	6							
30	2	119810-23601	BEARING, CRANK PIN	3							
32	1	119810-23611	BEARING, 0.25 US	3							2
34	1	119802-22900	PISTON ASSY, 0.25 OS	3							3
36	2	119802-22950	RING SET, 0.25 OS	3							3



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

Fig.9. LUB.OIL SYSTEM



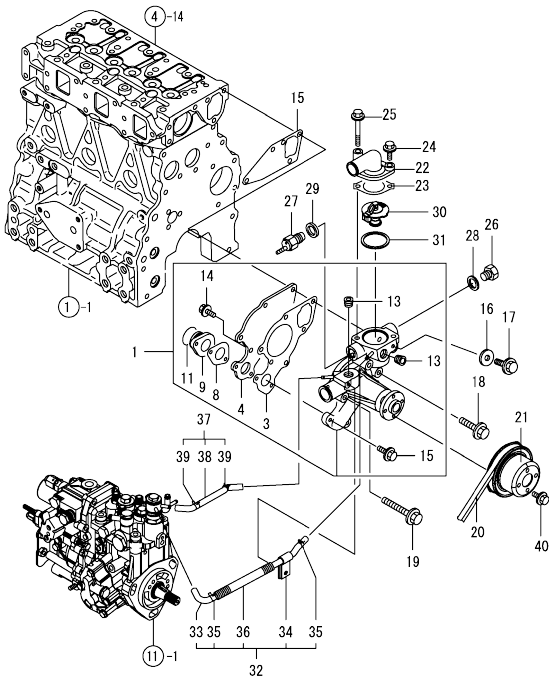
Remarks
(1) REPAIR PART.

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-34821	DIPSTICK, OIL	1							
2	1	119802-34850	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	119802-35100	BRACKET ASSY, FILTER	1							
19	2	119802-35110	BRACKET, FILTER	1							
20	2	129100-35140	STUD	1							
21	1	129150-35111	GASKET	1							
22	1	129150-35153	FILTER	1							1
23	1	171056-49120	PLUG, DRAIN	1							
24	1	119260-34810	GUIDE, DIPSTICK	1							
25	1	24311-240100	O-RING, 1AP10A	1							
26	1	26106-080162	BOLT, M8X 16 PLATED	1							
27	1	26106-080202	BOLT, M8X 20 PLATED	3							

Fig.10. COOLING WATER SYSTEM

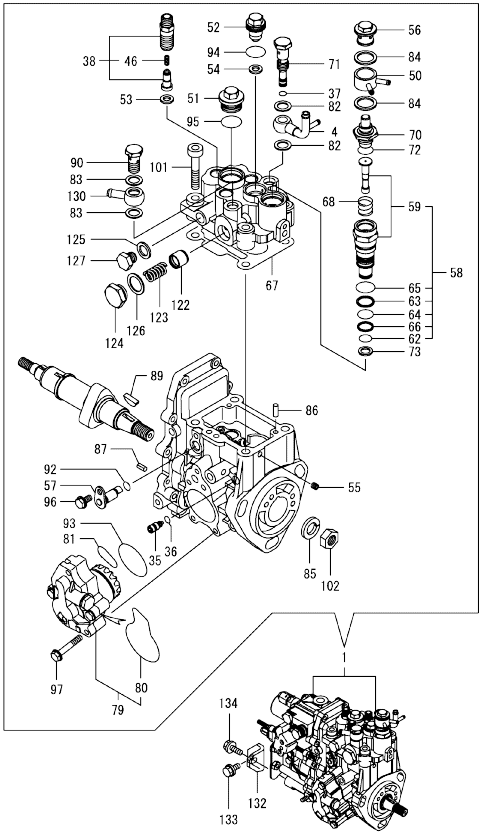


(A)=3TNV82A-GEU
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-42001	PUMP ASSY, WATER	1							
3	2	119810-42051	GASKET, WATER PUMP	1							
4	2	119810-42120	PLATE	1							
8	2	119810-42281	GASKET, WATER PUMP	1							
9	2	119810-42290	PIPE	1							
11	2	129054-42320	O-RING	1							
13	2	23876-030000	PLUG, R03	2							
14	2	26106-060142	BOLT, M6X 14 PLATED	2							
15	1	129486-42050	GASKET, WATER PUMP	1							
16	1	23414-080000	GASKET, 8X1.0	1							
17	1	26106-080122	BOLT, M8X 12 PLATED	1							
18	1	26106-080352	BOLT, M8X 35 PLATED	1							
19	1	26106-080552	BOLT, M8X 55 PLATED	3							
20	1	25132-003800	V-BELT, A38	1							
21	1	129155-42350	V-PULLEY	1							
22	1	124101-49531	COVER, THERMOSTAT	1							
23	1	129795-49551	GASKET	1							
24	2	26106-080252	BOLT, M8X 25 PLATED	1							
25	1	26106-080652	BOLT, M8X 65 PLATED	1							
26	1	121450-42450	PLUG, M16	1							
27	1	121250-44901	SWITCH, 110	1							
28	1	124465-44950	GASKET, 16	1							
30	1	129457-49801	THERMOSTAT, 82	1							
31	1	129150-49811	GASKET, THERMOSTAT	1							
32	1	119802-49610	PIPE ASSY, WATER	1							
33	2	119802-49711	PIPE ASSY, WATER	1							
34	2	119802-49730	RETAINER, PIPE	1							
35	2	124722-59050	CLIP, HOSE 9	2							
36	2	119802-59320	TUBE, CORRUGATED	1							
37	1	119802-49620	PIPE ASSY, WATER	1							
38	2	119802-49721	PIPE ASSY, WATER	1							
39	2	124722-59050	CLIP, HOSE 9	2							
40	1	26106-060162	BOLT, M6X 16 PLATED	4							

Fig.11. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

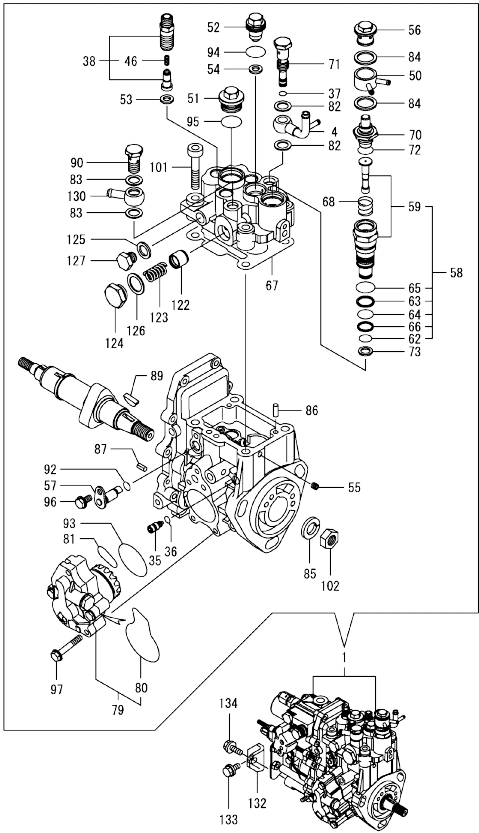
										0CW10-M42000 Fig.11	
										(A)=3TNV82A-GEU (D)= (E)= (F)=	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	719946-51390	PUMP ASSY, INJECTION	1							1
4	2	158552-51670	JOINT, OVER FLOW	1							
35	2	158600-51270	STOPPER, TAPPET	1							
36	2	158563-51281	O-RING, 4D S6	1							
37	2	158563-51281	O-RING, 4D S6	1							
38	2	129509-51390	VALVE ASSY, DELIVERY	3							W
(A=2008.02.)											
46	3	158563-51330	SPRING, DELIVERY	3							
50	2	158553-51551	JOINT	1							
51	2	158601-51550	PLUG	1							
52	2	119802-51560	PLUG, BARREL	1							
53	2	158552-51570	GASKET	3							
54	2	158552-51570	GASKET	1							
55	2	158557-51570	PLUG	1							
56	2	158601-51570	PLUG	1							
57	2	158552-51580	LIFTER	1							
58	2	119802-51590	TIMER SET	1							
59	3	119802-51600	TIMER ASSY	1							
62	3	158553-51670	O-RING, 1011	1							
63	3	119802-51680	RING, BACK UP	1							
64	3	119802-51690	O-RING	1							
65	3	24356-010200	O-RING, 4D1020	1							
66	3	24372-000150	RING, BACK UP T2P15	1							
67	2	158552-51600	GASKET	1							
68	2	158553-51630	SPRING, TIMER	1							
70	2	158553-51640	ELEMENT	1							
71	2	158601-51650	JOINT, OVER FLOW	1							
72	2	158553-51660	O-RING, P14	1							
73	2	158553-51680	GASKET	1							
79	2	158552-52100	PUMP ASSY, FUEL FEED	1							
80	3	158552-52500	O-RING	1							
81	2	158552-52310	O-RING	1							
82	2	22190-120002	WASHER, SEAL 12	2							
83	2	22190-120002	WASHER, SEAL 12	2							
84	2	22190-180002	WASHER, SEAL 18	2							
85	2	22217-140000	WASHER, SPRING 14	1							
86	2	22312-050140	PIN, PARALLEL M5X14	2							
87	2	22351-050010	PIN, SPRING 5.0X10	2							
89	2	119802-51090	KEY, 4X16	1							
90	2	23857-060000	BOLT, JOINT 6	1							
92	2	24311-000070	O-RING, 1AP7.0	1							
93	2	158552-52400	O-RING, 4E S42	1							
94	2	24356-010180	O-RING, 4D1018	1							
95	2	24356-010200	O-RING, 4D1020	1							
96	2	26106-060102	BOLT, M6X 10 PLATED	1							
97	2	158553-51770	BOLT	4							
101	2	26450-080452	BOLT, M8X 45	4							
102	2	26776-140002	NUT, LOCK M14	1							
122	2	158601-51770	PISTON	1							
123	2	158552-51781	SPRING	1							
124	2	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



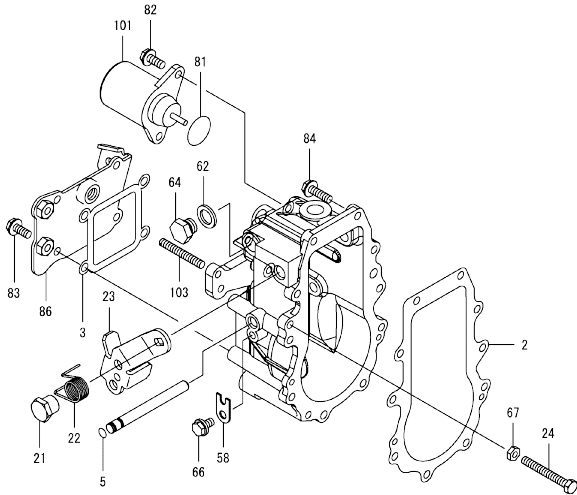
Remarks
(1) GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
125	2	22190-120002	WASHER, SEAL 12	1							
126	2	22190-180002	WASHER, SEAL 18	1							
127	2	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							

Fig.12. GOVERNOR



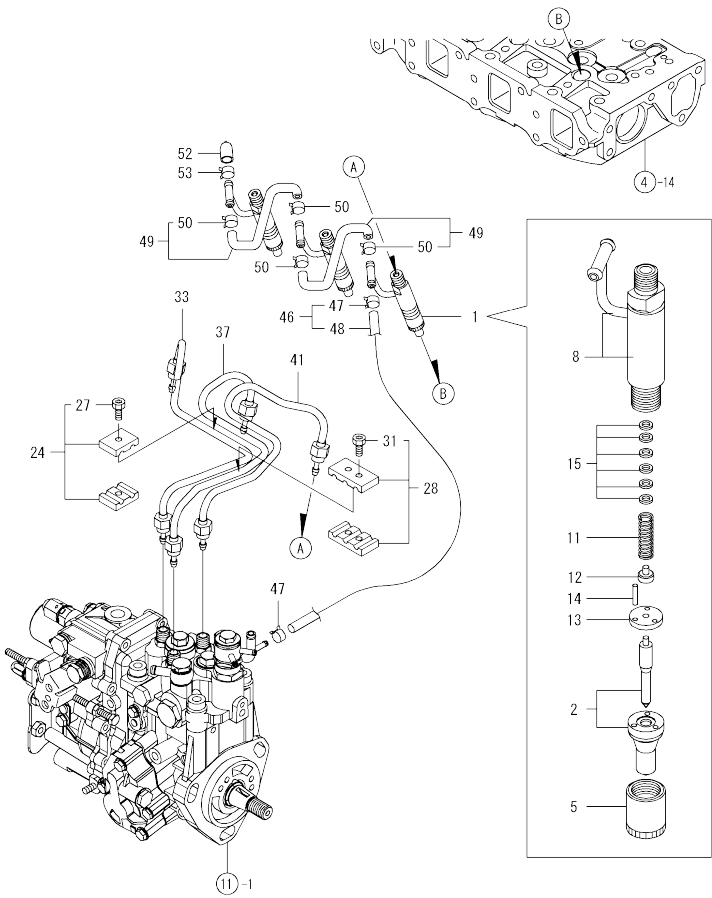
(A)=3TNV82A-GEU
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	158553-61050	GASKET	1							
3	2	158553-61070	GASKET	1							
5	2	129155-61280	O-RING, S6	1							
21	2	129255-61410	NUT, LOCK	1							
22	2	119807-61420	SPRING, RETURN	1							
23	2	129246-61441	LEVER, REGULATOR	1							
24	2	129155-61460	BOLT, IDLE	1							
58	2	119660-61901	RETAINER, SHAFT	1							
62	2	22190-120000	WASHER, SEAL 12	1							
64	2	23887-120002	PLUG, 12	1							
66	2	26106-060102	BOLT, M6X 10 PLATED	1							
67	2	26756-060002	NUT, LOCK M6	1							
81	2	158552-61900	O-RING	1							
82	2	26106-060142	BOLT, M6X 14 PLATED	2							
83	2	26106-060142	BOLT, M6X 14 PLATED	4							
84	2	26106-060202	BOLT, M6X 20 PLATED	10							
86	2	129246-61061	COVER, GOVERNOR CASE	1							
101	2	119653-77950	SOLENOID, STOP	1							
103	2	171002-66830	SCREW	1							

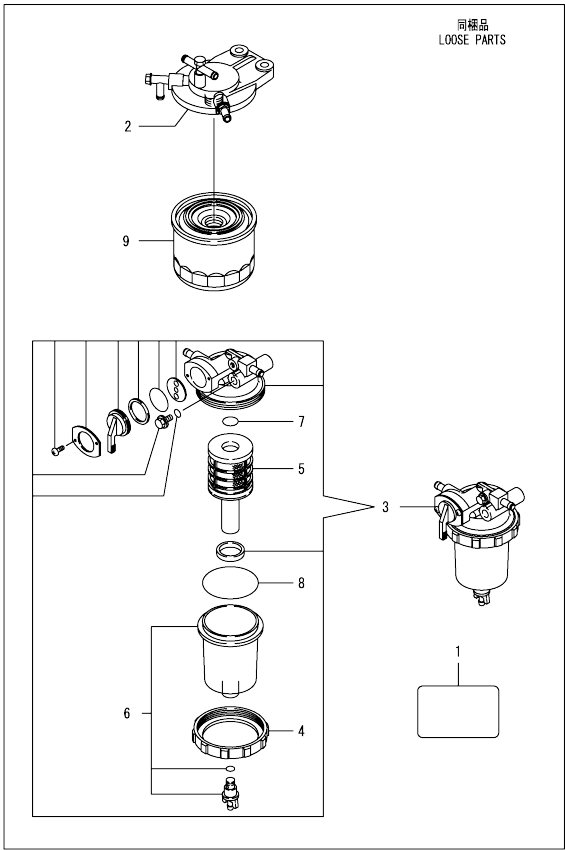
Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.11).

Fig.13. FUEL INJECTION VALVE



No.	Lev.	Parts No.	Description	Q'ty						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							
8	3	119802-53130	HOLDER ASSY	1							
11	2	114250-53120	SPRING, NOZZLE	3							
12	2	114250-53130	SEAT, SPRING	3							
13	2	114250-53140	PLATE	3							
14	2	114250-53210	PIN	6							
15	2	119803-53400	SHIM SET	3							
24	1	119305-59120	RETAINER, PIPE	1							
27	2	129150-59131	BOLT, M4X14	1							
28	1	129150-59120	RETAINER, PIPE	1							
31	2	129150-59131	BOLT, M4X14	2							
33	1	119802-59810	PIPE ASSY, INJECTION	1							
37	1	119802-59820	PIPE ASSY, INJECTION	1							
41	1	119802-59830	PIPE ASSY, INJECTION	1							
46	1	119802-59550	PIPE ASSY, RETURN	1							
47	2	124722-59050	CLIP, HOSE 9	2							
48	2	119802-59560	PIPE, FUEL RETURN	1							
49	1	129486-59551	PIPE ASSY, RETURN	2							
50	2	124722-59050	CLIP, HOSE 9	4							
52	1	119593-59581	CAP	1							
53	1	124060-77680	CLIP, HOSE 10	1							

Fig.14. FUEL FILTER

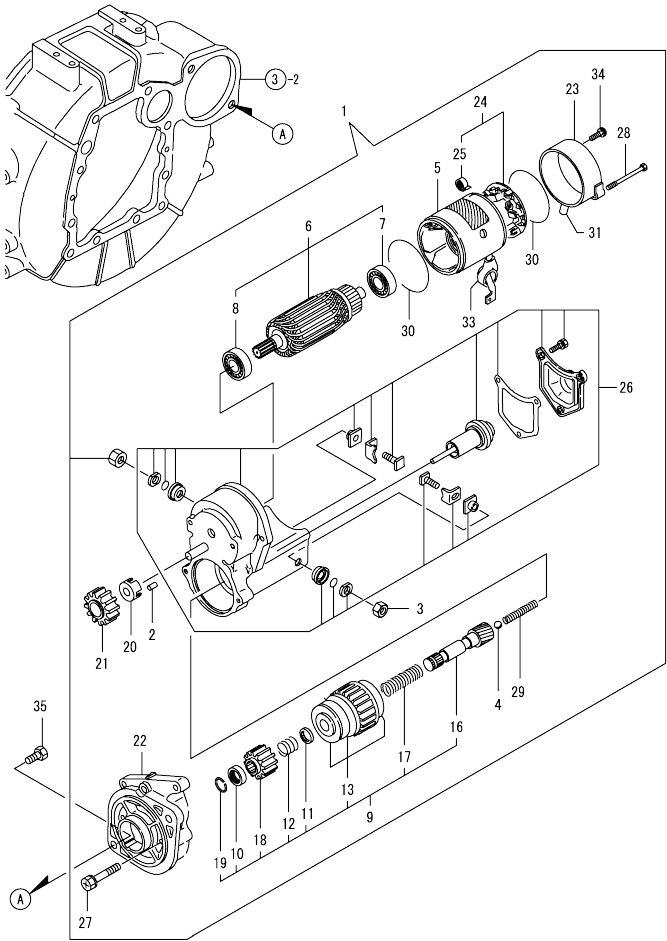


(A)=3TNV82A-GEU
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	114110-07760	LABEL, FUEL CAUTION	1							
2	1	129004-55612	BRACKET, FILTER	1							
3	1	119802-55700	SEPARATOR ASSY	1							
4	2	129100-55690	RING, RETAINING	1							
5	2	119802-55710	ELEMENT	1							
6	2	119802-55730	CUP ASSY	1							
7	2	24311-000160	O-RING, 1AP16.0	1							
8	2	24321-000650	O-RING, 1AG65.0	1							
9	1	119802-55801	FILTER, FUEL	1							

Fig.15. STARTING MOTOR

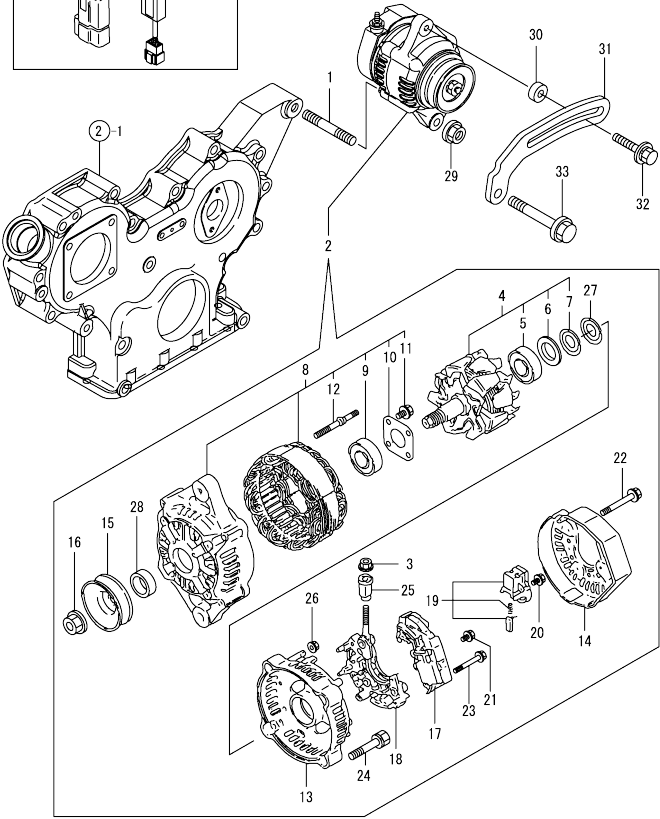
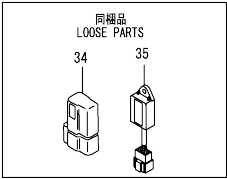


(A)=3TNV82A-GEU
(B)=
(C)=

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

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	X9490561370	NUT	1							
4	2	X9491200240	BALL	1							
5	2	129129-77210	YOKE ASSY	1							
6	2	129129-77220	ARMATURE ASSY	1							
7	3	129129-77230	BEARING	1							
8	3	129129-77240	BEARING	1							
9	2	129129-77250	STARTER	1							
10	3	X0280210230	NUT	1							
11	3	X0283270140	RETAINER	1							
12	3	X9491703371	SPRING, COIL	1							
13	3	129129-77390	CLUTCH ASSY	1							
16	3	129129-77400	SHAFT	1							
17	3	129129-77410	SPRING, COIL	1							
18	3	129129-77420	PINION, STARTER	1							
19	3	129129-77430	RING	1							
20	2	129129-77260	RETAINER	1							
21	2	129129-77270	PINION	1							
22	2	129129-77280	HOUSING	1							
23	2	129129-77290	FRAME	1							
24	2	129129-77300	HOLDER ASSY	1							
25	3	X9491730461	SPRING	4							
26	2	129129-77310	SWITCH ASSY	1							
27	2	129129-77320	BOLT	2							
28	2	129129-77330	BOLT	2							
29	2	129129-77340	SPRING	1							
30	2	129129-77350	O-RING	2							
31	2	129129-77362	COVER	1							
33	2	129129-77380	CAP	1							
34	2	129129-77460	SCREW	2							
35	1	26116-120252	BOLT, M12X 25 PLATED	2							

Fig.16. GENERATOR

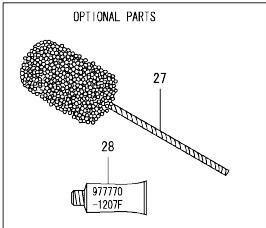
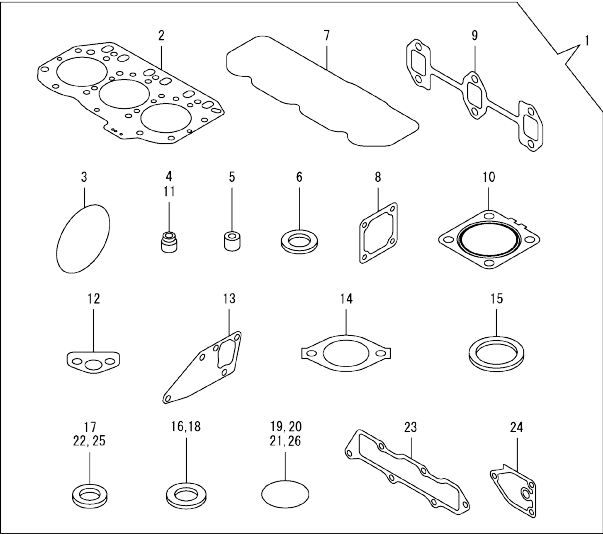


(A)=3TNV82A-GEU
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129795-01900	STUD	1							
2	1	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	3	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	129052-79270	HOLDER, BRUSH	1							
20	2	119620-79290	SCREW	1							
21	2	119620-79300	SCREW	1							
22	2	119620-79310	BOLT	3							
23	2	119620-79320	SCREW	2							
24	2	119620-79330	BOLT	2							
25	2	119620-79340	BUSH, INSULATION	1							
26	2	119620-79350	NUT	2							
27	2	119620-79360	WASHER, THRUST	1							
28	2	119620-77490	COLLAR	1							
29	1	26306-1000002	NUT, M10	1							
30	1	119940-77270	SPACER, GENERATOR	1							
31	1	119802-77330	ADJUSTER	1							
32	1	129972-77341	BOLT, ADJUSTER L=50	1							
33	1	26106-080452	BOLT, M8X 45 PLATED	1							
34	1	119643-66900	DIODE	1							
35	1	129211-77920	TIMER	1							

Fig.17. GASKET SET



Remarks
(1) OPTIONAL PART.

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719823-92940	GASKET SET	1							1
2	2	119812-01330	GASKET, HEAD	1							
3	2	121850-51960	O-RING	1							
4	2	119803-11340	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	129004-13200	GASKET, SILENCER	1							
11	2	124160-11340	SEAL, VALVE STEM	3							
12	2	129150-35042	GASKET	1							
13	2	129486-42050	GASKET, WATER PUMP	1							
14	2	129795-49551	GASKET	1							
15	2	129150-49811	GASKET, THERMOSTAT	1							
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	22190-220002	WASHER, SEAL 22	1							
26	2	119609-32040	O-RING, P16	4							
27	1	129400-92420	HONE	1							1
28	1	977770-1207F	GASKET, LIQUID	1							1

Parts No. Index

Parts No.	Fig. No.	Ref. No.
104211-11180	4	23
104211-11370	4	13
114110-07760	14	1
114250-39450	9	9
114250-53080	13	5
114250-53120	13	11
114250-53130	13	12
114250-53140	13	13
114250-53210	13	14
119131-18320	6	5
119260-34810	9	24
119305-59120	13	24
119593-59581	13	52
119609-32040	2	11
	17	26
119620-01750	3	3
119620-02020	1	5
119620-77380	16	4
119620-77421	16	8
119620-77440	16	13
119620-77461	16	15
119620-77471	16	16
119620-77490	16	28
119620-79200	16	9
119620-79210	16	10
119620-79220	16	11
119620-79230	16	12
119620-79250	16	6
119620-79260	16	18
119620-79290	16	20
119620-79300	16	21
119620-79310	16	22
119620-79320	16	23
119620-79330	16	24
119620-79340	16	25
119620-79350	16	26
119620-79360	16	7
	27	
119625-11880	4	29
	17	6
119640-01640	3	9
119643-66900	16	34
119653-77950	12	101
119660-61901	12	58
119802-01190	1	21
119802-01520	2	6
119802-01561	2	7
119802-03010	4	38
119802-03080	5	1
119802-03110	4	40

Parts No.	Fig. No.	Ref. No.
119802-03121	4	41
119802-03130	4	42
119802-03141	4	43
119802-11100	4	20
119802-11110	4	21
119802-11241	4	3
119802-11251	4	4
119802-11260	4	5
119802-11270	4	6
119802-11280	4	7
119802-11310	4	45
	17	7
119802-11350	4	37
119802-11650	4	9
119802-11810	4	58
119802-11870	4	28
	17	5
119802-11900	4	30
119802-12100	5	3
119802-13129	6	2
119802-14590	7	3
119802-21002	8	1
119802-21202	8	5
119802-21660	8	9
119802-22080	8	16
119802-22500	8	18
119802-22900	8	34
119802-22950	8	36
119802-25051	7	9
119802-25071	7	13
119802-25101	7	10
119802-25901	7	16
119802-32070	2	13
119802-32100	2	12
119802-32111	2	17
119802-32120	2	18
119802-32130	2	19
119802-34821	9	1
119802-34850	9	2
119802-35100	9	18
119802-35110	9	19
119802-39450	9	11
119802-42001	10	1
119802-49610	10	32
119802-49620	10	37
119802-49711	10	33
119802-49721	10	38
119802-49730	10	34
119802-51090	11	89
119802-51250	11	132

Parts No.	Fig. No.	Ref. No.
119802-51560	11	52
119802-51590	11	58
119802-51600	11	59
119802-51680	11	63
119802-51690	11	64
119802-53130	13	8
119802-55700	14	3
119802-55710	14	5
119802-55730	14	6
119802-55801	14	9
119802-59320	10	36
119802-59550	13	46
119802-59560	13	48
119802-59810	13	33
119802-59820	13	37
119802-59830	13	41
119802-77330	16	31
119803-11340	4	24
	17	4
119803-53400	13	15
119807-61420	12	22
119810-01200	1	22
119810-01730	3	6
119810-01770	3	8
119810-02871	1	27
119810-02931	1	15
119810-02941	1	30
119810-11120	4	22
119810-13110	6	1
	17	9
119810-14400	7	2
119810-23200	8	29
119810-23601	8	30
119810-23611	8	32
119810-23910	8	28
119810-35300	9	4
119810-42051	10	3
119810-42120	10	4
119810-42281	10	8
119810-42290	10	9
119812-01330	1	23
	17	2
119813-12110	5	4
	17	23
119813-22300	8	22
119934-01800	2	5
119940-77270	16	30
119946-11700	4	14
119946-53000	13	2
120270-54410	4	31

Parts No.	Fig. No.	Ref. No.
121023-01551	2	27
121111-21501	8	12
121250-44901	10	27
121450-42450	10	26
121850-21680	8	11
121850-51960	2	20
	17	3
123501-79240	16	5
123900-13610	6	3
123900-13630	6	4
124060-01050	1	9
124060-11800	4	57
124060-77680	13	53
124101-49531	10	22
124160-01751	2	8
	4	36
124160-01910	1	11
	12	
124160-11340	4	25
	17	11
124160-11360	4	48
124160-39140	9	10
124240-01871	2	9
124465-44950	10	28
	17	18
124550-21600	8	15
124722-59050	10	35
	39	
	13	47
	50	
129001-01250	1	10
129001-32330	2	16
129001-91841	2	21
129004-13200	6	7
	17	10
129004-13550	6	8
129004-55612	14	2
129005-59830	9	12
129052-79270	16	19
129054-42320	10	11
129100-01580	3	1
	14	
	8	2
129100-01640	3	15
129100-35140	9	20
129100-55690	14	4
129120-77502	5	7
129129-77010	15	1
129129-77210	15	5
129129-77220	15	6

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Parts No.	Fig. No.	Ref. No.
129129-77230	15	7
129129-77240	15	8
129129-77250	15	9
129129-77260	15	20
129129-77270	15	21
129129-77280	15	22
129129-77290	15	23
129129-77300	15	24
129129-77310	15	26
129129-77320	15	27
129129-77330	15	28
129129-77340	15	29
129129-77350	15	30
129129-77362	15	31
129129-77380	15	33
129129-77390	15	13
129129-77400	15	16
129129-77410	15	17
129129-77420	15	18
129129-77430	15	19
129129-77460	15	34
129150-02450	7	4
129150-03070	4	39
129150-11230	4	10
129150-11280	4	8
129150-11750	4	12
129150-14101	7	6
129150-14200	7	1
129150-25301	7	15
129150-35042	9	3
	17	12
129150-35111	9	21
	17	24
129150-35153	9	22
129150-49811	10	31
	17	15
129150-59120	13	28
129150-59131	13	27
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129150-77511	5	8
	17	8
129155-42350	10	21
129155-51280	12	5
129155-61460	12	24
129211-77920	16	35
129240-79300	16	14
129246-61061	12	86
129246-61441	12	23
129255-61410	12	21
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129423-77200	16	2
129423-77710	16	17
129457-49801	10	30
129486-01670	3	18
129486-42050	10	15
	17	13
129486-59551	13	49
129509-51390	11	38
129792-22400	8	23
129795-01780	3	17
129795-01900	16	1
129795-01950	2	10
129795-02412	1	13
129795-21661	8	10
129795-49551	10	23
	17	14
129900-07900	4	1
129900-32130	2	14
129916-59020	11	130
129972-77341	16	32
158552-51151	7	17
158552-51570	11	53
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158552-51580	11	57
158552-51600	11	67
158552-51670	11	4
158552-51781	11	123
158552-52100	11	79
158552-52310	11	81
158552-52400	11	93
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158552-61900	12	81
158553-51551	11	50
158553-51630	11	68
158553-51640	11	70
158553-51660	11	72
158553-51670	11	62
158553-51680	11	73
158553-51770	11	97
158553-61050	12	2
158553-61070	12	3
158557-51570	11	55
158563-51281	11	36
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171420-01600	3	2
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		125
22190-180002	11	84
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	17	25
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22351-060012	4	32
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23414-080000	10	16
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23857-030000	9	13
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23876-030000	2	3
	10	13
23876-040000	2	4
23887-120002	11	127
	12	64
24311-000070	11	92
24311-000120	4	49
	17	19
24311-000160	14	7
24311-000320	2	22
	4	50
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24311-240100	9	25
24321-000650	14	8
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		95
24372-000150	11	66
25132-003800	10	20
26106-060102	11	96
	12	66
26106-060142	10	14
	12	82
		83
26106-060162	2	29
	10	40
26106-060202	12	84
26106-080122	10	17
26106-080142	7	8
26106-080162	2	23
		24
	3	12
	4	2
	9	26
	11	133
26106-080202	5	5
	9	27
	11	134
26106-080252	4	33
	10	24
26106-080352	3	7
	5	9
	9	8
	10	18
26106-080402	7	14
26106-080452	3	13
	4	34
	16	33
26106-080502	4	35
26106-080552	2	25
	10	19
26106-080652	10	25
26106-080802	5	6
26116-120252	15	35
26206-100252	3	4
26206-100302	3	5
26306-080002	2	26
	6	6
26306-100002	16	29
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27310-070001	4	26
719802-01500	2	1
719802-01560	1	1
719810-02981	1	24
719810-23100	8	24
719823-92940	17	1
719946-51390	11	1
719946-53100	13	1
977770-1207F	17	28
X0280210230	15	10
X0283060061	15	2
X0283270140	15	11
X9490561001	16	3
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