

0CD10-M94400EN

PREFACE

1. This parts catalog is the 1st edition of 3TNV88-GGB1B export engine for generator Model "YEG170DTLS"

Pub.No. : 000Y00D9440

Published : May,2007

2. Model name

Engine model	Vehicle		Vehicle made by
	Products	Model name	
3TNV88-GGB1B	Soundproof 4P Generator	YEG170DTLS	Toyo Denki Industrial Co.,Ltd.

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.

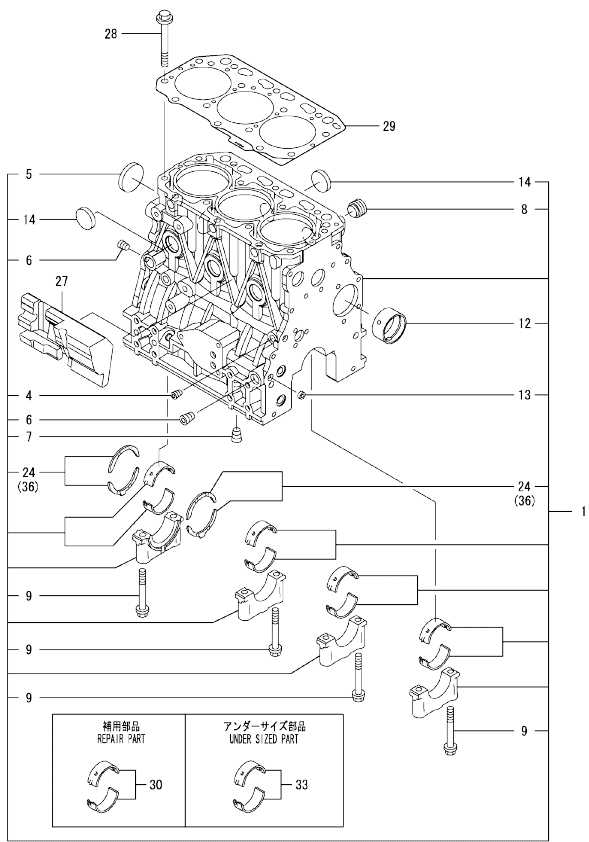
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

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4.	CYLINDER HEAD & BONNET		
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9.	LUB.OIL SYSTEM		
10.	COOLING WATER SYSTEM		
11.	FUEL INJECTION PUMP		
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13.	FUEL INJECTION VALVE		
14.	FUEL LINE		
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17.	GASKET SET		

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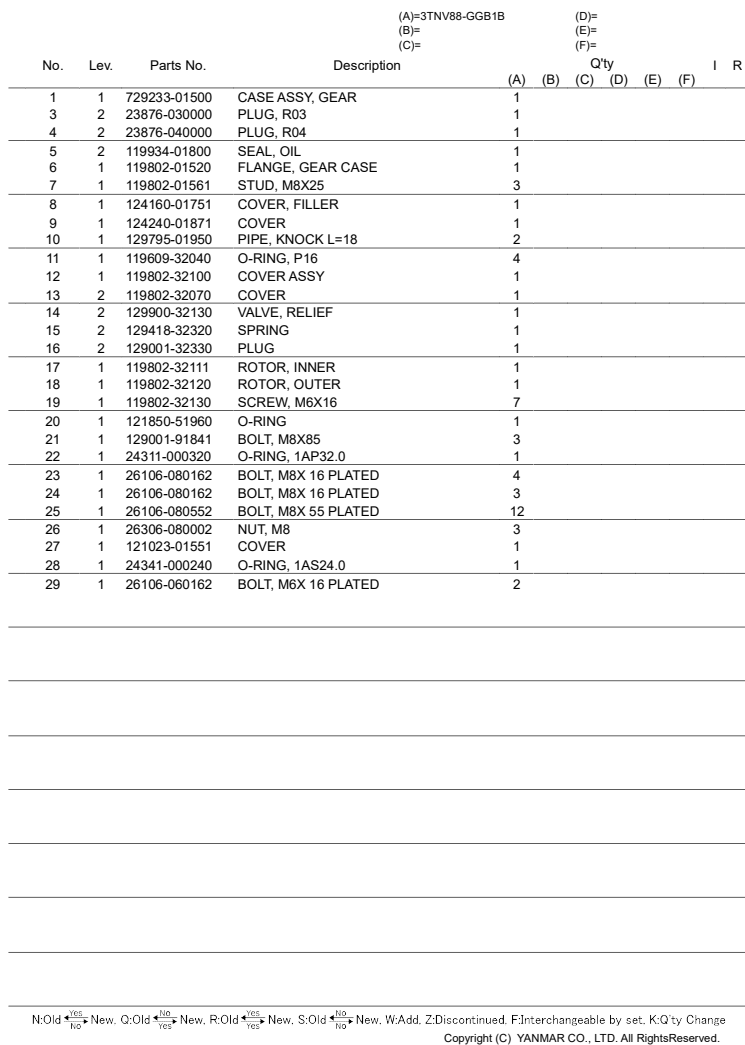
Fig.1. CYLINDER BLOCK



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-01560	BLOCK ASSY, CYLINDER	1							
4	2	124060-01050	PLUG, PT1/8	1							
5	2	129001-01250	PLUG, 50	1							
6	2	124160-01910	PLUG, PT1/4	2							
7	2	124160-01910	PLUG, PT1/4	1							
8	2	171051-01921	PLUG, NPTF1	1							
9	2	129150-02020	BOLT, METAL CAP	8							
12	2	129795-02412	BUSH, CAMSHAFT	1							
13	2	27241-120000	PLUG, 12	2							
14	2	27241-300000	PLUG 30	6							
24	2	129150-02931	BEARING, THRUST	2							
27	1	129004-01190	SPACER	1							
28	1	129150-01200	BOLT, HEAD	14							
29	1	129001-01340	GASKET, HEAD	1							
30	1	129001-02931	BEARING, MAIN	4							1
33	1	129150-02871	BEARING, 0.25 US	4							2
36	1	129150-02941	BEARING, THRUST 0.25	1							3

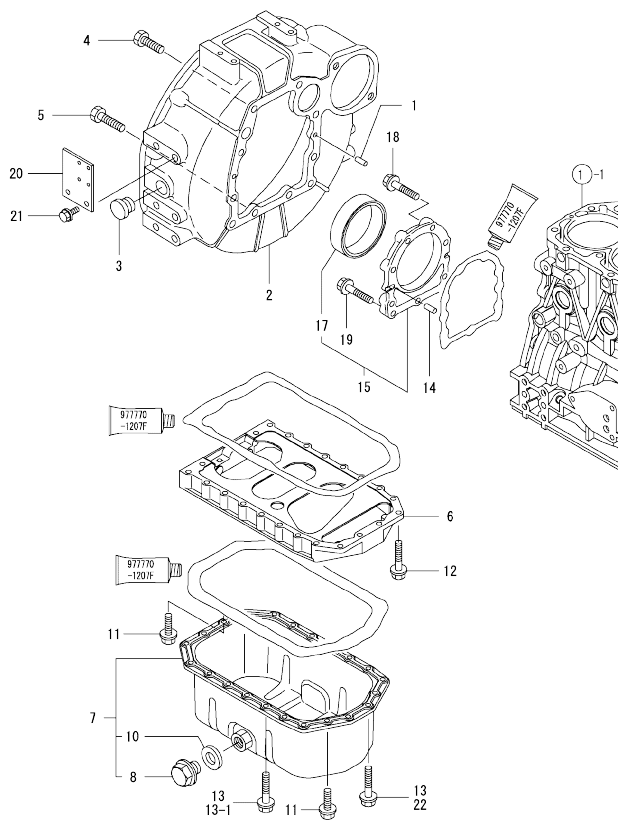
Remarks
(1) REPAIR PART.
(2) UNDER-SIZED(U.S=0.25)PART.
(3) OVER-SIZED(O.S=0.25)PART.

Fig.2. GEAR HOUSING



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

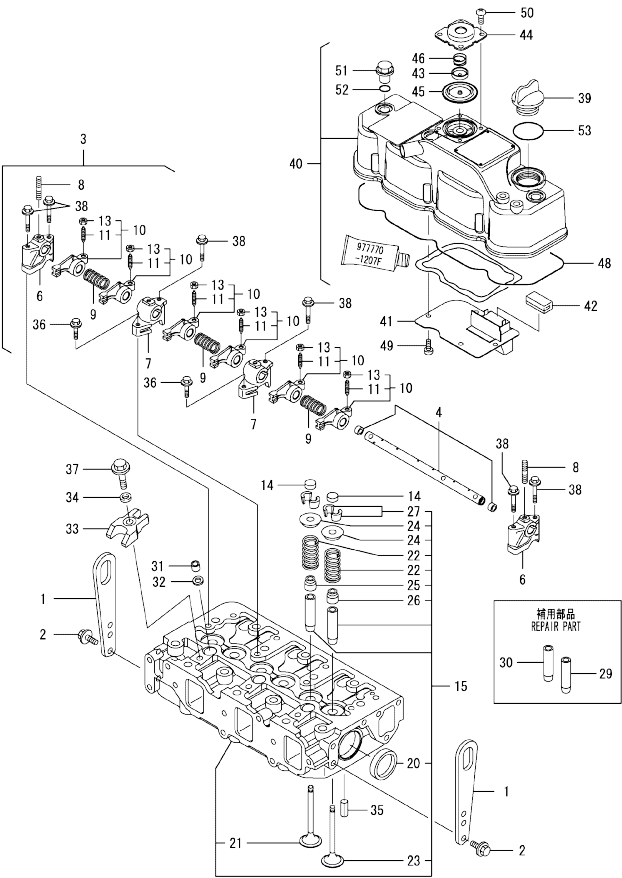
Fig.3. FLYWHEEL HOUSING & OIL SUMP



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.4. CYLINDER HEAD & BONNET



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	129004-11241	SHAFT ASSY, ROCKER	1							
4	2	129004-11251	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	129004-11650	ARM, ROCKER	6							
11	3	129150-11230	SCREW, VALVE ADJUST	6							
13	3	129150-11750	NUT, M8	6							
14	1	129150-11370	CAP, VALVE	6							
15	1	129004-11700	HEAD ASSY, CYLINDER	1							
20	3	27241-400000	PLUG, 40	2							
21	2	129100-11112	VALVE, EXHAUST	3							
22	2	129795-11120	SPRING, VALVE	6							
23	2	129004-11130	VALVE, INTAKE	3							
24	2	129795-11180	RETAINER, SPRING	6							
25	2	121400-11340	SEAL, VALVE STEM	3							
26	2	124460-11340	SEAL, VALVE STEM	3							
27	2	27310-080001	COTTER, 8	6							
29	1	120130-11860	GUIDE, VALVE	3							1
30	1	129150-11810	GUIDE, VALVE	3							1
31	1	119802-11870	PROTECTOR, NOZZLE	3							
32	1	119625-11880	SEAT, NOZZLE	3							
33	1	129004-11900	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	26106-080352	BOLT, M8X 35 PLATED	3							
38	1	26106-080502	BOLT, M8X 50 PLATED	6							
39	1	124160-01751	COVER, FILLER	1							
40	1	129004-11350	BONNET ASSY, HEAD	1							
41	2	129004-03010	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							
48	2	129004-11310	GASKET, BONNET	1							
49	2	22857-500100	SCREW, 5X10	4							
50	2	22857-500100	SCREW, 5X10	4							
51	1	124160-11360	KNOB	3							
52	1	24311-000120	O-RING, 1AP12.0	3							
53	1	24311-000320	O-RING, 1AP32.0	1							

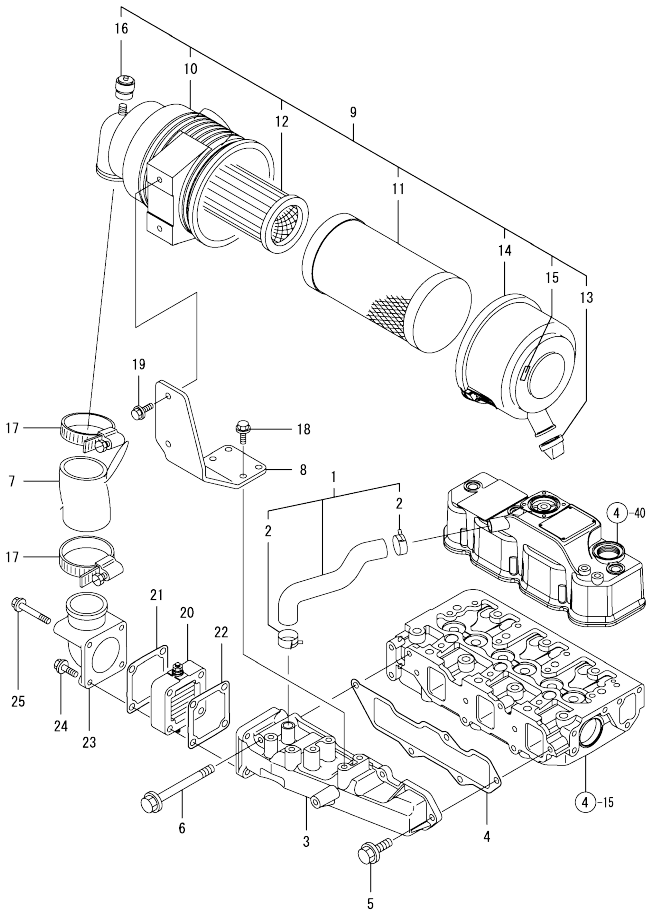
Remarks

(1) REPAIR PART.

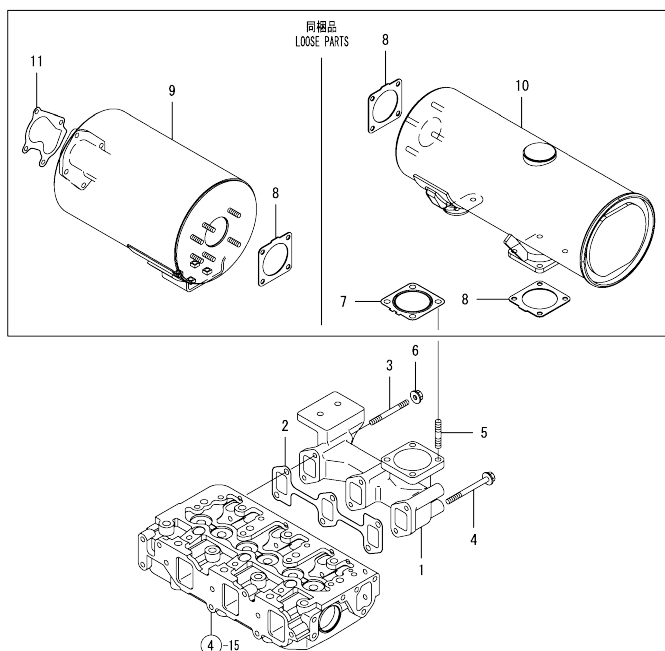
N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.5. SUCTION MANIFOLD & AIR CLEANER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-03080	PIPE , BREATHER	1							
2	2	129410-03990	CLAMP 22	2							
3	1	129004-12100	MANIFOLD, AIR INTAKE	1							
4	1	129001-12110	GASKET, MANIFOLD	1							
5	1	26106-080202	BOLT, M8X 20 PLATED	4							
6	1	26106-080802	BOLT, M8X 80 PLATED	1							
7	1	119910-12210	PIPE, AIR INTAKE	1							
8	1	119802-12560	BRACKET, AIR CLEANER	1							
9	1	119910-12601	CLEANER ASSY, AIR	1							
10	2	119910-12510	BODY, AIR CLEANER	1							
11	2	119808-12520	ELEMENT	1							
12	2	129051-12530	ELEMENT	1							
13	2	119808-12540	VALVE, UNLOADER	1							
14	2	119866-12541	COVER ASSY	1							
15	2	129612-12650	MARKING,(W)	1							
16	2	126650-12680	INDICATOR	1							
17	1	23000-060000	CLAMP, 60	2							
18	1	26013-080222	BOLT, M8X 22	4							
19	1	26013-080222	BOLT, M8X 22	2							
20	1	129100-77501	HEATER	1							
21	1	129100-77510	GASKET, AIR HEATER	1							
22	1	129150-77511	GASKET	1							
23	1	171340-77520	BEND	1							
24	1	26106-080402	BOLT, M8X 40 PLATED	2							
25	1	26106-080802	BOLT, M8X 80 PLATED	2							



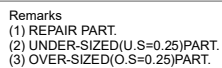
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-13109	MANIFOLD, EXHAUST	1							
2	1	129150-13110	GASKET	1							
3	1	123900-13610	STUD, M8X80	2							
4	1	123900-13630	BOLT, M8X80	4							
5	1	119131-18320	STUD, M8X22	4							
6	1	26306-080002	NUT, M8	2							
7	1	129004-13200	GASKET, SILENCER	1							
8	1	129930-13201	GASKET, SILENCER	5							
9	1	129908-13510	SILENCER	1							
10	1	129601-13550	SILENCER	1							
11	1	123901-18080	GASKET	1							

Fig.7. CAMSHAFT & DRIVING GEAR



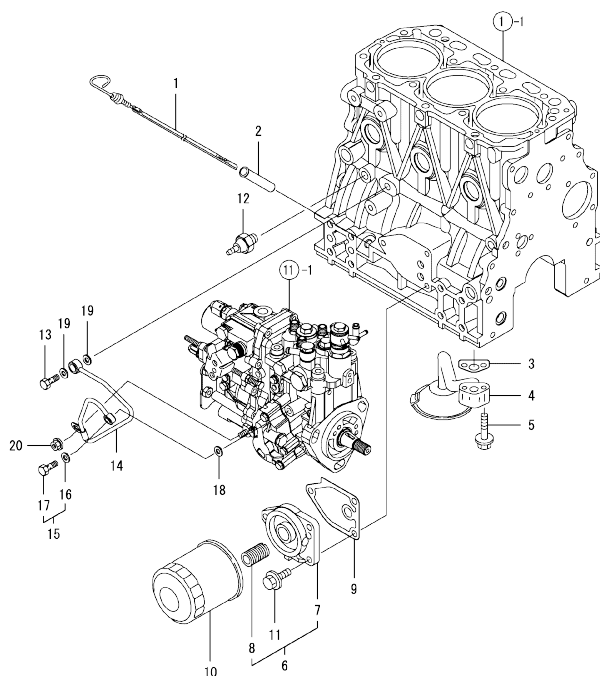
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Fig.8. CRANKSHAFT & PISTON



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

Fig.9. LUB.OIL SYSTEM



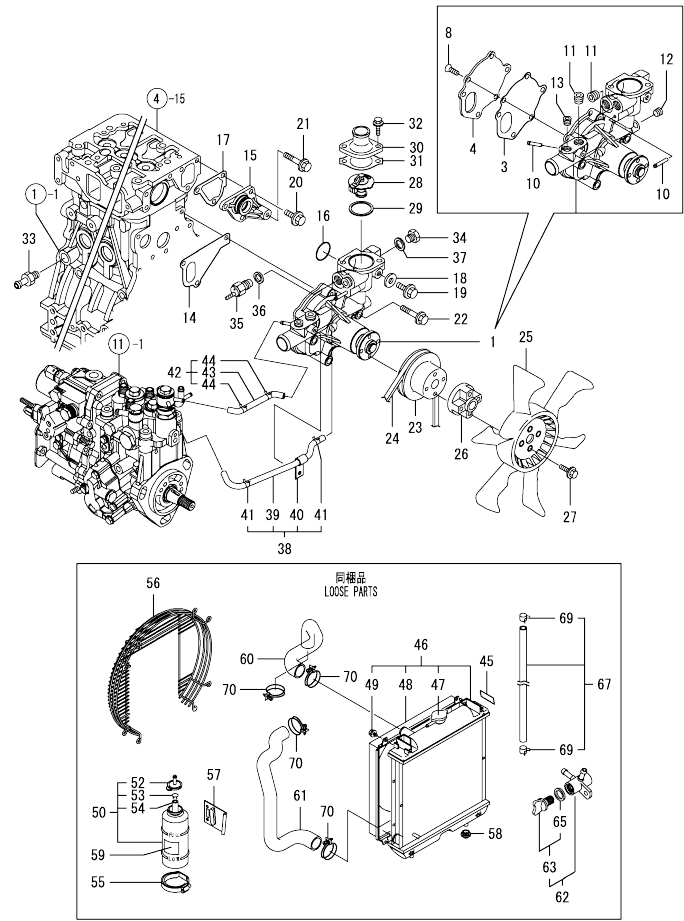
Remarks
(1) REPAIR PART.

				(A)=3TNV88-GGB1B							(D)=		
				(B)=							(E)=		
				(C)=							(F)=		
No.	Lev.	Parts No.	Description	Qty								I	R
				(A)	(B)	(C)	(D)	(E)	(F)				
1	1	129004-34802	DIPSTICK, OIL	1									
2	1	121520-34810	GUIDE, DIPSTICK	1									
3	1	129150-35042	GASKET	1									
4	1	129100-35301	PIPE ASSY, OIL INLET	1									
5	1	26106-080352	BOLT, M8X 35 PLATED	2									
6	1	119802-35100	BRACKET ASSY, FILTER	1									
7	2	119802-35110	BRACKET, FILTER	1									
8	2	129100-35140	STUD	1									
9	1	129150-35111	GASKET	1									
10	1	119005-35151	FILTER, D80X100L	1							1		
11	1	26106-080202	BOLT, M8X 20 PLATED	3									
12	1	114250-39450	SWITCH, 0.5KG	1									
13	1	124160-39140	BOLT, PIPE JOINT M10	1									
14	1	119802-39450	PIPE ASSY, OIL	1									
15	1	129005-59830	BOLT ASSY, JOINT M8	1									
16	2	22190-080002	WASHER, SEAL 6	1									
17	2	23857-030000	BOLT, JOINT 3	1									
18	1	22190-080002	WASHER, SEAL 6	1									
19	1	22190-100002	WASHER, SEAL 10	2									
20	1	26366-060002	NUT, M6	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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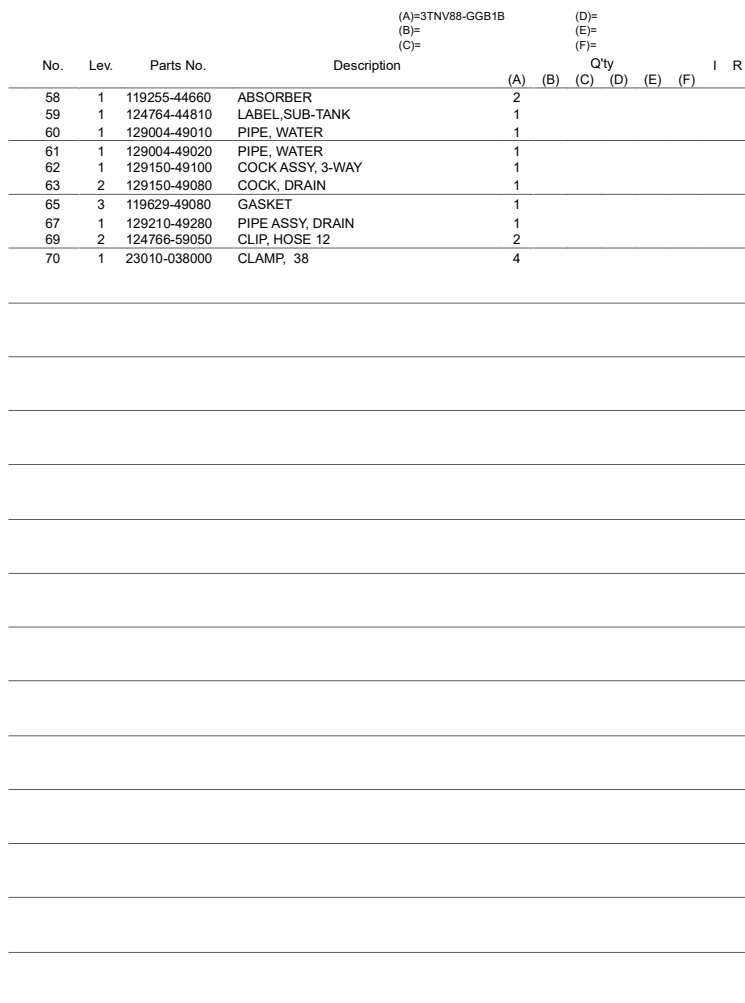
Fig.10. COOLING WATER SYSTEM



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-42001	PUMP ASSY, WATER	1							
3	2	129100-42051	GASKET, WATER PUMP	1							
4	2	129100-42121	PLATE	1							
8	2	121850-42410	SCREW	3							
10	2	119802-49113	JOINT, PIPE	2							
11	2	129916-49740	PLUG, R03	2							
12	2	23876-010000	PLUG, R01	1							
13	2	23876-020000	PLUG, R02	1							
14	1	129486-42021	GASKET, WATER PUMP	1							
15	1	129004-42040	JOINT	1							
16	1	129486-42140	O-RING, G30	1							
17	1	124395-49840	GASKET	1							
18	1	23414-080000	GASKET, 8X1.0	1							
19	1	26106-080122	BOLT, M8X 12 PLATED	1							
20	1	26106-080162	BOLT, M8X 16 PLATED	3							
21	1	26106-080452	BOLT, M8X 45 PLATED	1							
22	1	26106-080602	BOLT, M8X 60 PLATED	3							
23	1	129403-42380	V-PULLEY, D=110	1							
24	1	129612-42350	V-BELT, A38	1							
25	1	171340-44740	FAN, COOLING D335XNF	1							
26	1	121267-44760	SPACER	1							
27	1	26106-060302	BOLT, M6X 30 PLATED	4							
28	1	129155-49801	THERMOSTAT, 71	1							
29	1	129150-49811	GASKET, THERMOSTAT	1							
30	1	129350-49530	COVER, THERMOSTAT	1							
31	1	129795-49551	GASKET	1							
32	1	26106-080222	BOLT, M8X 22 PLATED	2							
33	1	121550-49111	JOINT, PT1/4	1							
34	1	121450-42450	PLUG, M16	1							
35	1	121250-44901	SWITCH, 110	1							
36	1	124465-44950	GASKET, 16	1							
37	1	124465-44950	GASKET, 16	1							
38	1	129004-49610	PIPE ASSY, WATER	1							
39	2	129004-49711	PIPE ASSY, WATER	1							
40	2	119802-49730	RETAINER, PIPE	1							
41	2	124722-59050	CLIP, HOSE 9	2							
42	1	129004-49620	PIPE ASSY, WATER	1							
43	2	129004-49721	PIPE ASSY, WATER	1							
44	2	124722-59050	CLIP, HOSE 9	2							
45	1	172437-03391	LABEL, RADIATOR US	1							
46	1	129004-44500	RADIATOR ASSY	1							
47	2	129107-44590	CAP, RADIATOR	1							
48	2	119802-44600	SHROUD	1							
49	2	26014-060122	BOLT, M6X 12	4							
50	1	124450-44510	TANK ASSY, SUB	1							
52	2	124450-44530	CAP	1							
53	2	124450-44560	RETAINER	1							
54	2	23061-070230	PIPE, 7X 230	1							
55	1	124450-44550	BAND	1							
56	1	119802-44560	GUARD	1							
57	1	121256-44600	BRACKET, SUB TANK	1							

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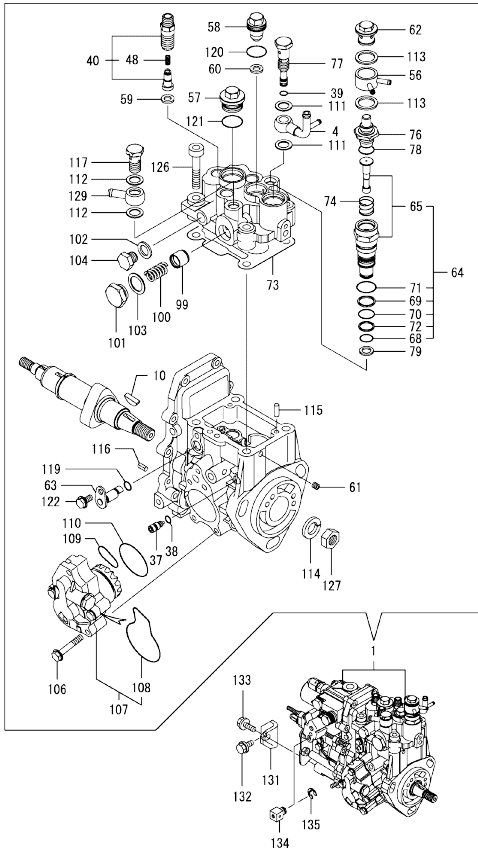
Fig.10. COOLING WATER SYSTEM



N:Old $\xrightarrow{\text{Yes}} \text{New, Q:Old} \xrightarrow{\text{No}} \text{New, R:Old} \xrightarrow{\text{Yes}} \text{New, S:Old} \xrightarrow{\text{No}} \text{New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change}$
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Fig.11. FUEL INJECTION PUMP



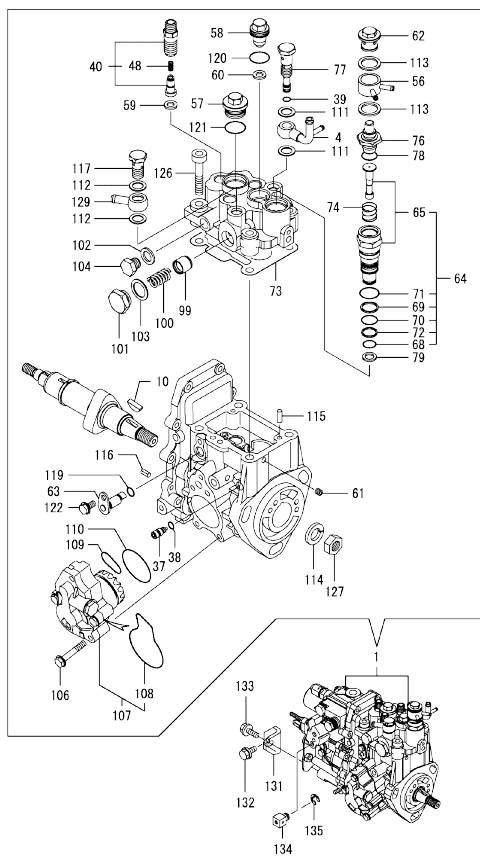
Remarks

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729247-51390	PUMP ASSY, INJECTION	1							1
4	2	158552-51670	JOINT, OVER FLOW	1							
10	2	119802-51090	KEY, 4X16	1							
37	2	158600-51270	STOPPER, TAPPET	1							
38	2	158563-51281	O-RING, 4D S6	1							
39	2	158563-51281	O-RING, 4D S6	1							
40	2	129509-51390	VALVE ASSY, DELIVERY	3							W
(A=2008.02.)											
48	3	158563-51330	SPRING, DELIVERY	3							
56	2	158553-51551	JOINT	1							
57	2	158601-51550	PLUG	1							
58	2	119802-51560	PLUG, BARREL	1							
59	2	158552-51570	GASKET	3							
60	2	158552-51570	GASKET	1							
61	2	158557-51570	PLUG	1							
62	2	158601-51570	PLUG	1							
63	2	158552-51580	LIFTER	1							
64	2	119802-51590	TIMER SET	1							
65	3	119802-51600	TIMER ASSY	1							
68	3	158553-51670	O-RING, 1011	1							
69	3	119802-51680	RING, BACK UP	1							
70	3	119802-51690	O-RING	1							
71	3	24356-010200	O-RING, 4D1020	1							
72	3	24372-000150	RING, BACK UP T2P15	1							
73	2	158552-51600	GASKET	1							
74	2	158553-51630	SPRING, TIMER	1							
76	2	158553-51640	ELEMENT	1							
77	2	158601-51650	JOINT, OVER FLOW	1							
78	2	158553-51660	O-RING, P14	1							
79	2	158553-51680	GASKET	1							
99	2	158601-51770	PISTON	1							
100	2	158552-51781	SPRING	1							
101	2	158601-51790	PLUG	1							
102	2	22190-120002	WASHER, SEAL 12	1							
103	2	22190-180002	WASHER, SEAL 18	1							
104	2	23887-120002	PLUG, 12	1							
106	2	158553-51770	BOLT	4							
107	2	158552-52100	PUMP ASSY, FUEL FEED	1							
108	3	158552-52500	O-RING	1							
109	2	158552-52310	O-RING	1							
110	2	158552-52400	O-RING, 4E S42	1							
111	2	22190-120002	WASHER, SEAL 12	2							
112	2	22190-120002	WASHER, SEAL 12	2							
113	2	22190-180002	WASHER, SEAL 18	2							
114	2	22217-140000	WASHER, SPRING 14	1							
115	2	22312-050140	PIN, PARALLEL M5X14	2							
116	2	22351-050010	PIN, SPRING 5.0X10	2							
117	2	23857-060000	BOLT, JOINT 6	1							
119	2	24311-000070	O-RING, 1AP7.0	1							
120	2	24356-010180	O-RING, 4D1018	1							
121	2	24356-010200	O-RING, 4D1020	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

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

(A)=3TNV88-GGB1B
(B)=
(C)=

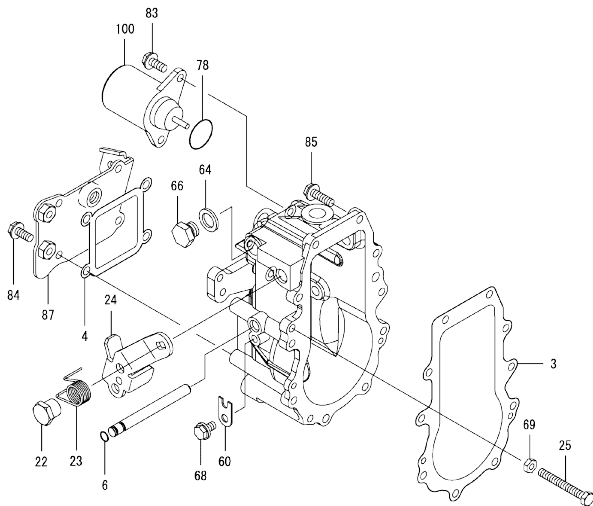
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
122	2	26106-060102	BOLT, M6X 10 PLATED	1							
126	2	26450-080452	BOLT, M8X 45	4							
127	2	26776-140002	NUT, LOCK M14	1							
129	2	129916-59020	JOINT, PIPE 12	1							
131	1	119802-51250	RETAINER, PUMP	1							
132	1	26106-080162	BOLT, M8X 16 PLATED	1							
133	1	26106-080202	BOLT, M8X 20 PLATED	1							
134	1	124756-67510	RETAINER	1							
135	1	22272-000070	RING, E- 7	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

OCD10-M94400

Fig.12. GOVERNOR



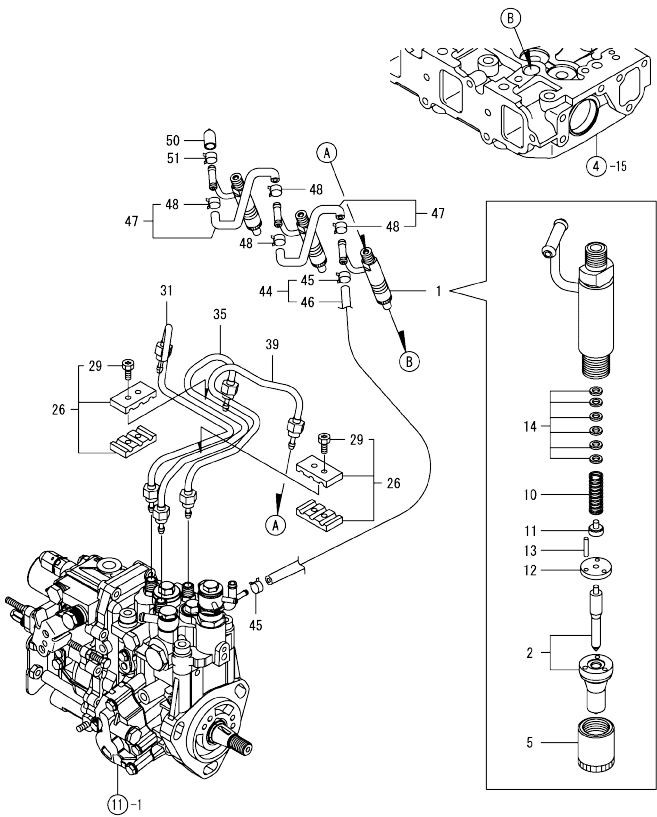
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	2	158553-61050	GASKET	1							
4	2	158553-61070	GASKET	1							
6	2	129155-61280	O-RING, S6	1							
22	2	129255-61410	NUT, LOCK	1							
23	2	119807-61420	SPRING, RETURN	1							
24	2	129246-61441	LEVER, REGULATOR	1							
25	2	129155-61460	BOLT, IDLE	1							
60	2	119660-61901	RETAINER, SHAFT	1							
64	2	22190-120000	WASHER, SEAL 12	1							
66	2	23887-120002	PLUG, 12	1							
68	2	26106-060102	BOLT, M6X 10 PLATED	1							
69	2	26756-060002	NUT, LOCK M6	1							
78	2	158552-61900	O-RING	1							
83	2	26106-060142	BOLT, M6X 14 PLATED	2							
84	2	26106-060142	BOLT, M6X 14 PLATED	4							
85	2	26106-060202	BOLT, M6X 20 PLATED	10							
87	2	129246-61061	COVER, GOVERNOR CASE	1							
100	2	119653-77950	SOLENOID, STOP	1							

Remarks

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

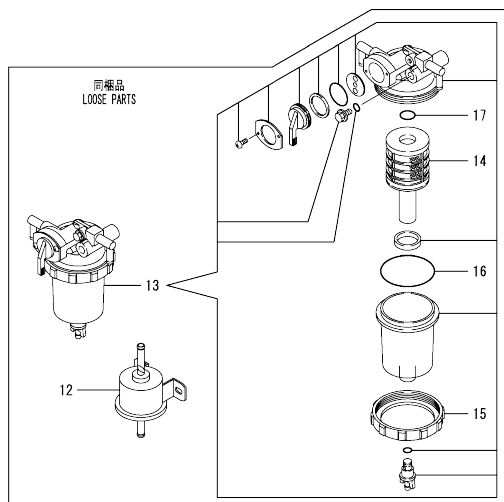
N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{YES}{NO}$ New, R:Old $\frac{YES}{NO}$ New, S:Old $\frac{YES}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.13. FUEL INJECTION VALVE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729246-53101	VALVE ASSY,INJECTION	3							
2	2	129246-53001	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
10	2	114250-53120	SPRING, NOZZLE	3							
11	2	114250-53130	SEAT, SPRING	3							
12	2	114250-53140	PLATE	3							
13	2	114250-53210	PIN	6							
14	2	114250-53400	SHIM SET	3							
26	1	129150-59120	RETAINER, PIPE	2							
29	2	129150-59131	BOLT, M4X14	4							
31	1	129004-59811	PIPE ASSY, INJECTION	1							
35	1	129004-59821	PIPE ASSY, INJECTION	1							
39	1	129004-59831	PIPE ASSY, INJECTION	1							
44	1	119802-59550	PIPE ASSY, RETURN	1							
45	2	124722-59050	CLIP, HOSE 9	2							
46	2	119802-59560	PIPE, FUEL RETURN	1							
47	1	129486-59551	PIPE ASSY, RETURN	2							
48	2	124722-59050	CLIP, HOSE 9	4							
50	1	119593-59581	CAP	1							
51	1	124060-77680	CLIP, HOSE 10	1							

Fig.14. FUEL LINE

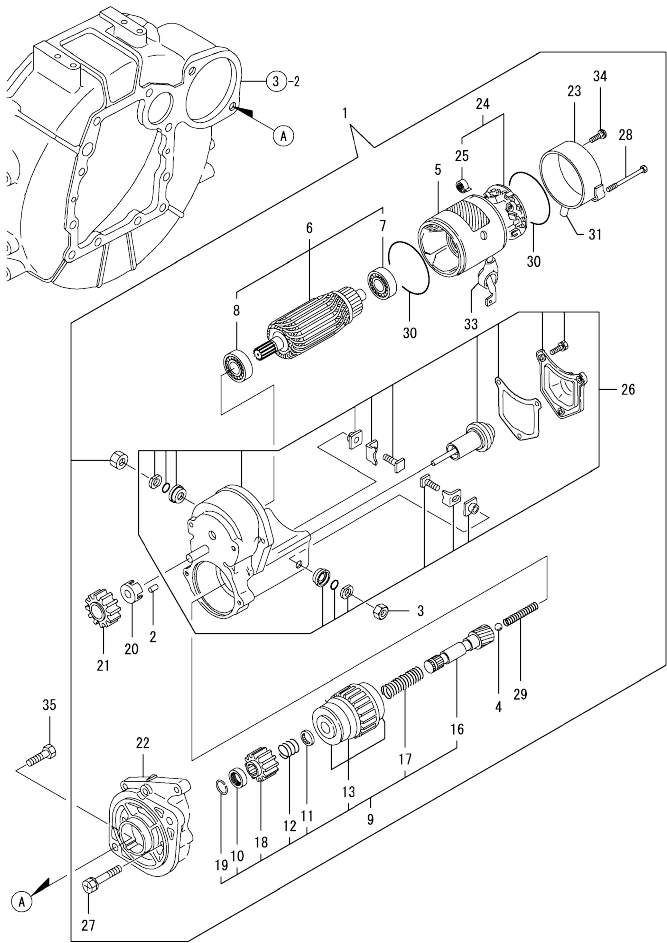


				(A)=3TNV88-GBB1B (B)= (C)=	(D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129004-55612	BRACKET, FILTER	1							
2	1	119940-55690	SPACER	1							
3	1	129907-55801	FILTER, FUEL	1							
4	1	26106-080252	BOLT, M8X 25 PLATED	2							
5	1	26106-080302	BOLT, M8X 30 PLATED	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	129210-59130	PIPE ASSY, FUEL	1							
10	2	124766-59050	CLIP, HOSE 12	2							
11	2	105025-59750	PIPE, FUEL	1							
12	1	129612-52100	PUMP ASSY, FUEL FEED	1							
13	1	129906-55700	SEPARATOR ASSY	1							
14	2	119802-55710	ELEMENT	1							
15	2	129100-55690	RING, RETAINING	1							
16	2	24321-000650	O-RING, 1AG65.0	1							
17	2	24311-000160	O-RING, 1AP16.0	1							

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

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Fig.15. STARTING MOTOR

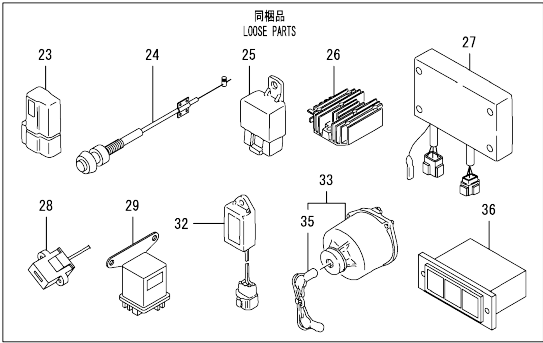
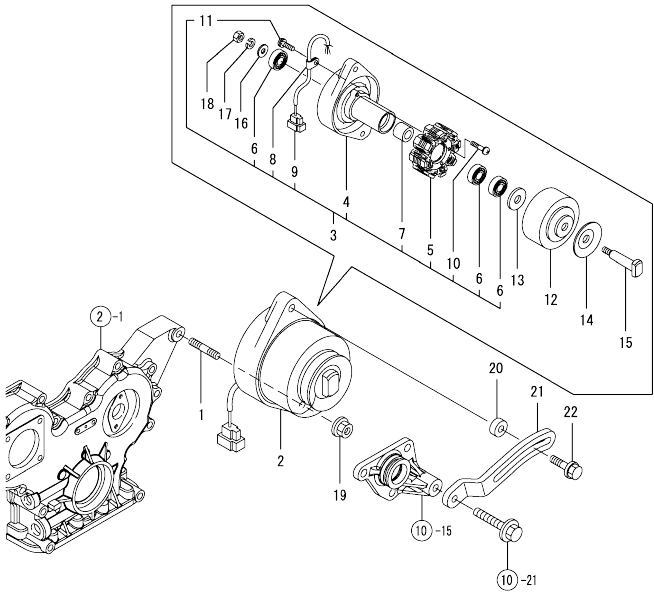


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129129-77010	STARTER ASSY	1							
2	2	X0283060061	ROLLER	5							
3	2	X9490561370	NUT	1							
4	2	X9491200240	BALL	1							
5	2	129129-77210	YOKE ASSY	1							
6	2	129129-77220	ARMATURE ASSY	1							
7	3	129129-77230	BEARING	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, STARTER	1							
16	3	129129-77400	SHAFT	1							
17	3	129129-77410	SPRING, COIL	1							
18	3	129129-77420	PINION	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							

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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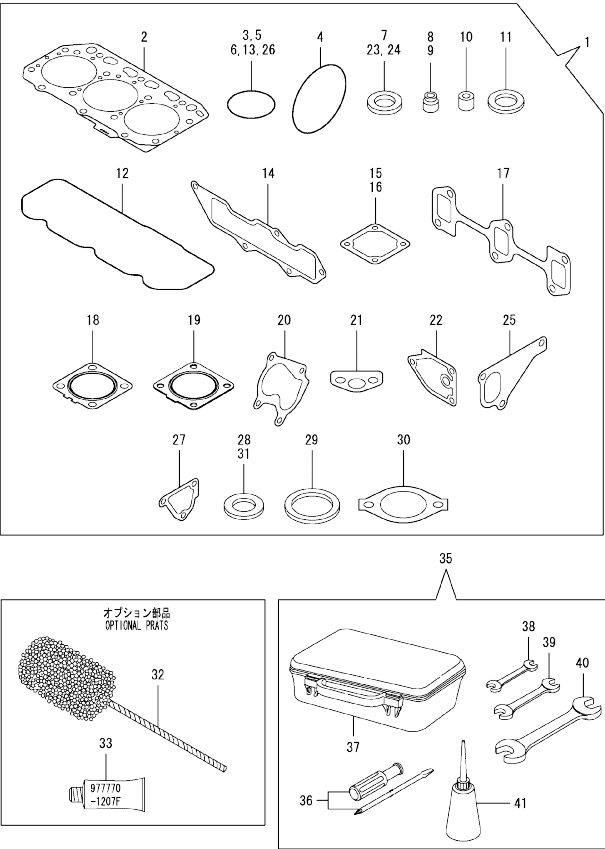
Fig.16. GENERATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129795-01900	STUD	1							
2	1	171301-77201	DYNAMO ASSY, 15A	1							
3	2	XM08137	PLATE ASSY	1							
4	3	X2A07073KA	PLATE	1							
5	3	X4A07023KB	STATOR ASSY	1							
6	3	24104-062010	BEARING, 6201UUC3	3							
7	3	XM329830000	COLLAR	1							
8	3	XM069000000	CLAMP	1							
9	3	X417878	COUPLER	1							
10	3	XYSPS402400	SCREW	2							
11	3	XYSPS400800	SCREW	1							
12	2	X3A08877KA	FLYWHEEL	1							
13	2	XM67935	WASHER	1							
14	2	XM721740000	PULLEY	1							
15	2	X4A07403K01	SHAFT	1							
16	2	XM860250000	WASHER 10	1							
17	2	XM219230000	WASHER, SPRING	1							
18	2	XM863720000	NUT	1							
19	1	26306-100002	NUT, M10	1							
20	1	119940-77270	SPACER, GENERATOR	1							
21	1	129004-77330	ADJUSTER	1							
22	1	129972-77341	BOLT, ADJUSTER L=50	1							
23	1	119643-66900	DIODE	1							
24	1	170022-67100	CABLE, PUSH-PULL	1							
25	1	119247-77100	RELAY, SAFETY	2							
26	1	119233-77711	LIMITER, CURRENT	1							
27	1	171440-77801	RELAY, EMERGENCY	1							
28	1	119643-77900	CONNECTOR, STARTER	1							
29	1	119650-77910	RELAY ASSY, GLOW	1							
32	1	129211-77920	TIMER	1							
33	1	129115-91250	SWITCH ASSY	1							
35	2	129115-91270	KEY ASSY	1							
36	1	170038-91310	UNIT, LAMP (RED)	1							

OCD10-M94400

Fig.17. GASKET SET



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-92600	GASKET SET	1							1
2	2	129001-01340	GASKET, HEAD	1							
3	2	119609-32040	O-RING, P16	4							
4	2	121850-51960	O-RING	1							
5	2	24311-000320	O-RING, 1AP32.0	2							
6	2	24341-000240	O-RING, 1AS24.0	1							
7	2	22190-220002	WASHER, SEAL 22	1							
8	2	121400-11340	SEAL, VALVE STEM	3							
9	2	124460-11340	SEAL, VALVE STEM	3							
10	2	119802-11870	PROTECTOR, NOZZLE	3							
11	2	119625-11880	SEAT, NOZZLE	3							
12	2	129004-11310	GASKET, BONNET	1							
13	2	24311-000120	O-RING, 1AP12.0	3							
14	2	129001-12110	GASKET, MANIFOLD	1							
15	2	129100-77510	GASKET, AIR HEATER	1							
16	2	129150-77511	GASKET	1							
17	2	129150-13110	GASKET	1							
18	2	129004-13200	GASKET, SILENCER	1							
19	2	129930-13201	GASKET, SILENCER	5							
20	2	123901-18080	GASKET	1							
21	2	129150-35042	GASKET	1							
22	2	129150-35111	GASKET	1							
23	2	22190-080002	WASHER, SEAL 6	2							
24	2	22190-100002	WASHER, SEAL 10	2							
25	2	129486-42021	GASKET, WATER PUMP	1							
26	2	129486-42140	O-RING, G30	1							
27	2	124395-49840	GASKET	1							
28	2	23414-080000	GASKET, 8X1.0	1							
29	2	129150-49811	GASKET, THERMOSTAT	1							
30	2	129795-49551	GASKET	1							
31	2	124465-44950	GASKET, 16	2							
32	1	129400-92430	HONE	1							1
33	1	977770-1207F	GASKET LIQUID	1							1
35	1	721400-92102	BOX ASSY, TOOL	1							
36	2	104200-92350	DRIVER, SCREW	1							
37	2	104200-92600	BOX, TOOL	1							
38	2	28110-100120	SPANNER, 10X12	1							
39	2	28110-140170	SPANNER, 14X17	1							
40	2	28110-190220	SPANNER, 19X22	1							
41	2	28210-000140	OILER	1							

Remarks

(1) OPTIONAL PART.

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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Parts No. Index

Parts No.	Fig. No.	Ref. No.
104200-92350	17	36
104200-92600	17	37
105025-59750	14	11
105025-59760	14	8
114250-39450	9	12
114250-53080	13	5
114250-53120	13	10
114250-53130	13	11
114250-53140	13	12
114250-53210	13	13
114250-53400	13	14
119005-35151	9	10
119131-18320	6	5
119233-77711	16	26
119247-77100	16	25
119255-44660	10	58
119593-59581	13	50
119609-32040	2	11
	17	3
119620-01750	3	3
119625-11880	4	32
	17	11
119629-49080	10	65
119640-01640	3	8
119643-66900	16	23
119643-77900	16	28
119650-77910	16	29
119653-77950	12	100
119660-61901	12	60
119802-01520	2	6
119802-01561	2	7
119802-03110	4	43
119802-03121	4	44
119802-03130	4	45
119802-03141	4	46
119802-11260	4	6
119802-11270	4	7
119802-11280	4	8
119802-11870	4	31
	17	10
119802-12560	5	8
119802-21202	8	4
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

Parts No.	Fig. No.	Ref. No.
119802-32130	2	19
119802-35100	9	6
119802-35110	9	7
119802-39450	9	14
119802-44560	10	56
119802-44600	10	48
119802-49113	10	10
119802-49730	10	40
119802-51090	11	10
119802-51250	11	131
119802-51560	11	58
119802-51590	11	64
119802-51600	11	65
119802-51680	11	69
119802-51690	11	70
119802-55710	14	14
119802-59550	13	44
119802-59560	13	46
119807-61420	12	23
119808-12520	5	11
119808-12540	5	13
119866-12541	5	14
119910-12210	5	7
119910-12510	5	10
119910-12601	5	9
119934-01800	2	5
119940-55690	14	2
119940-77270	16	20
120130-11860	4	29
120270-54410	4	34
121023-01551	2	27
121111-21501	8	11
121250-44901	10	35
121256-44600	10	57
121267-44760	10	26
121400-11340	4	25
	17	8
121450-42450	10	34
121520-34810	9	2
121550-23200	8	26
121550-49111	10	33
121850-21680	8	10
121850-42410	10	8
121850-51960	2	20
	17	4
123900-13610	6	3
123900-13630	6	4
123901-18080	6	11
	17	20
124060-01050	1	4

Parts No.	Fig. No.	Ref. No.
124060-77680	13	51
124160-01751	2	8
	4	39
124160-01910	1	6
		7
124160-11360	4	51
124160-39140	9	13
124240-01871	2	9
124395-49840	10	17
	17	27
124450-44510	10	50
124450-44530	10	52
124450-44550	10	55
124450-44560	10	53
124460-11340	4	26
	17	9
124465-44950	10	36
		37
	17	31
124550-21600	8	14
124722-59050	10	41
		44
	13	45
		48
124756-67510	11	134
124764-44810	10	59
124766-59050	10	69
	14	7
		10
126650-12680	5	16
129001-01250	1	5
129001-01340	1	29
	17	2
129001-02931	1	30
129001-12110	5	4
	17	14
129001-32330	2	16
129001-91841	2	21
129004-01190	1	27
129004-03010	4	41
129004-03080	5	1
129004-11130	4	23
129004-11241	4	3
129004-11251	4	4
129004-11310	4	48
	17	12
129004-11350	4	40
129004-11650	4	10
129004-11700	4	15
129004-11900	4	33

Parts No.	Fig. No.	Ref. No.
129004-12100	5	3
129004-13109	6	1
129004-13200	6	7
	17	18
129004-14580	7	3
129004-21002	8	1
129004-34802	9	1
129004-42001	10	1
129004-42040	10	15
129004-44500	10	46
129004-49010	10	60
129004-49020	10	61
129004-49610	10	38
129004-49620	10	42
129004-49711	10	39
129004-49721	10	43
129004-55612	14	1
129004-59811	13	31
129004-59821	13	35
129004-59831	13	39
129004-77330	16	21
129005-21650	8	8
129005-22080	8	15
129005-22500	8	17
129005-22900	8	32
129005-22950	8	34
129005-59830	9	15
129051-12530	5	12
129100-01580	3	1
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