

0CD10-M99600EN

P R E F A C E

1. This parts catalog is the 1st edition of 3TNV88-BPTBZ, 3TNV88-BPTBZT for Takeuchi Mfg. Co., Ltd.

Pub. No. : 0CD10-G99600

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2. Model name

Engine model	Vehicle	Vehicle made by
3TNV88-BPTBZ 3TNV88-BPTBZT	EXCAVATOR	Takeuchi Mfg. 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.

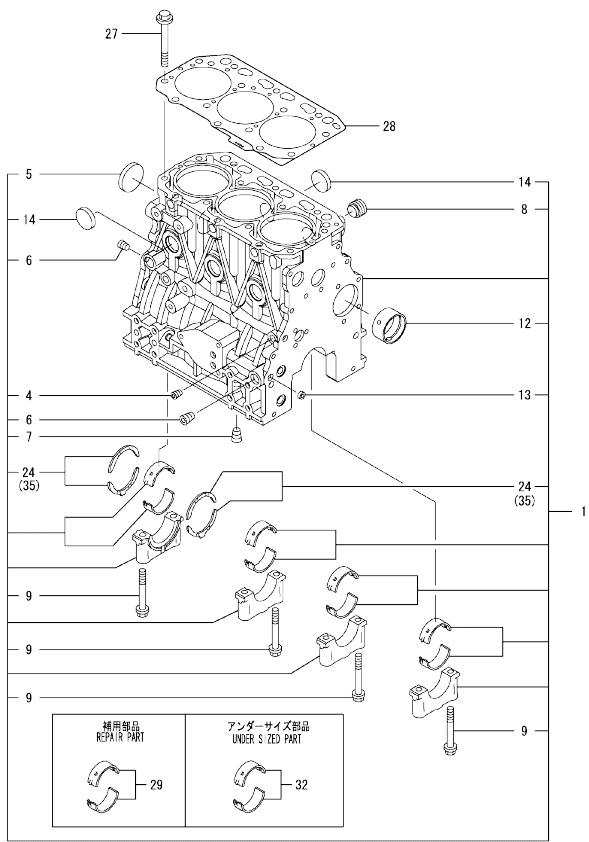
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

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4.	CYLINDER HEAD & BONNET		
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		
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14.	FUEL LINE		
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16.	GENERATOR		
17.	GASKET SET		

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Fig.1. CYLINDER BLOCK



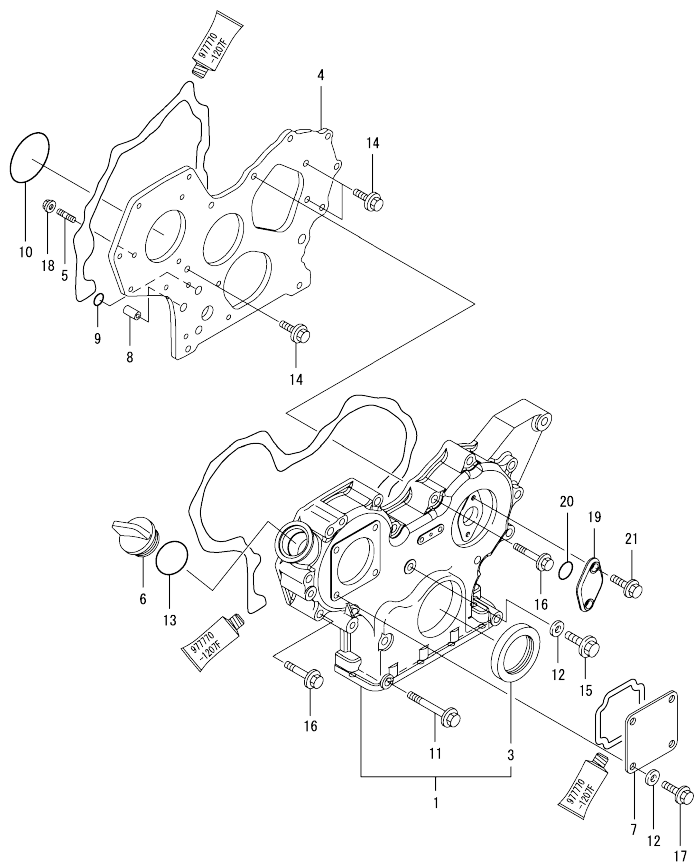
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-01560	BLOCK ASSY, CYLINDER	1	1						
4	2	124060-01050	PLUG, PT1/8	1	1						
5	2	129001-01250	PLUG, 50	1	1						
6	2	124160-01910	PLUG, PT1/4	2	2						
7	2	124160-01910	PLUG, PT1/4	1	1						
8	2	171051-01921	PLUG, NPTF1	1	1						
9	2	129150-02020	BOLT, METAL CAP	8	8						
12	2	129795-02412	BUSH, CAMSHAFT	1	1						
13	2	27241-120000	PLUG, 12	2	2						
14	2	27241-300000	PLUG 30	6	6						
24	2	129150-02931	BEARING, THRUST	2	2						
27	1	129150-01200	BOLT, HEAD	14	14						
28	1	129001-01340	GASKET, HEAD	1	1						
29	1	129001-02931	BEARING, MAIN	4	4						1
32	1	129150-02871	BEARING, 0.25 US	4	4						2
35	1	129150-02941	BEARING, THRUST 0.25	1	1						3

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

N:Old $\frac{N_{100}}{100}$ New, Q:Old $\frac{Q_{100}}{100}$ New, R:Old $\frac{R_{100}}{100}$ New, S:Old $\frac{S_{100}}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.2. GEAR HOUSING

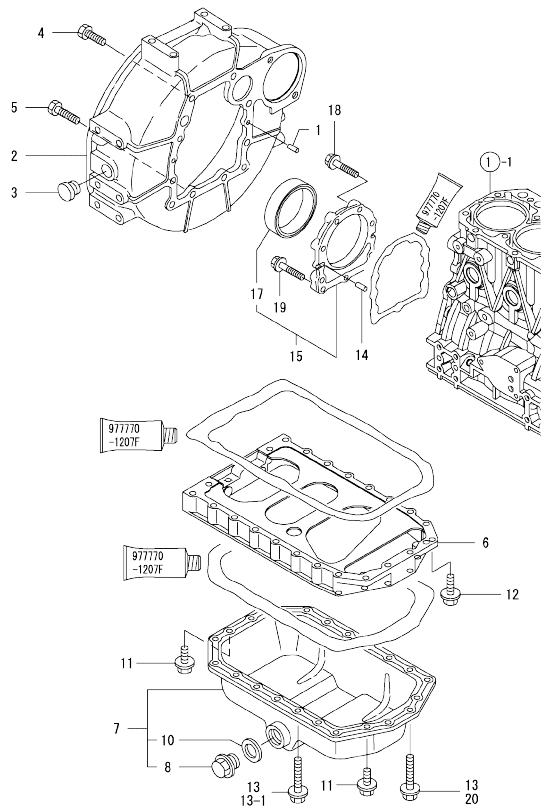


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729630-01500	CASE ASSY, GEAR	1	1						
3	2	119934-01800	SEAL, OIL	1	1						
4	1	119803-01520	FLANGE, GEAR CASE	1	1						
5	1	119802-01561	STUD, M8X25	3	3						
6	1	124160-01751	COVER, FILLER	1	1						
7	1	124240-01871	COVER	1	1						
8	1	129795-01950	PIPE, KNOCK L=18	2	2						
9	1	119609-32040	O-RING, P16	2	2						
10	1	121850-51960	O-RING	1	1						
11	1	129001-91841	BOLT, M8X85	3	3						
12	1	22190-080002	WASHER, SEAL 6	5	5						
13	1	24311-000320	O-RING, 1AP32.0	1	1						
14	1	26106-080162	BOLT, M8X 16 PLATED	3	3						
15	1	26106-080302	BOLT, M8X 30 PLATED	1	1						
16	1	26106-080552	BOLT, M8X 55 PLATED	12	12						
17	1	26106-080162	BOLT, M8X 16 PLATED	4	4						
18	1	26306-080002	NUT, M8	3	3						
19	1	121023-01551	COVER	1	1						
20	1	24341-000240	O-RING, 1AS24.0	1	1						
21	1	26106-060162	BOLT, M6X 16 PLATED	2	2						

N:Old $\frac{N_{10}}{10}$ New, Q:Old $\frac{Q_{10}}{10}$ New, R:Old $\frac{R_{10}}{10}$ New, S:Old $\frac{S_{10}}{10}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.3. FLYWHEEL HOUSING & OIL SUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2	2						
2	1	129612-01600	HOUSING, FLYWHEEL	1	1						
3	1	119620-01750	CAP	1	1						
4	1	26206-100252	BOLT, M10X 25 PLATED	6	6						
5	1	26206-100302	BOLT, M10X 30 PLATED	4	4						
6	1	129100-01730	SPACER, OIL SUMP	1	1						
7	1	129175-01770	SUMP ASSY, OIL	1	1						
8	2	119640-01640	PLUG, DRAIN M22	1	1						
10	2	22190-220002	WASHER, SEAL 22	1	1						
11	1	26106-080162	BOLT, M8X 16 PLATED	4	4						
12	1	26106-080252	BOLT, M8X 25 PLATED	2	2						
13	1	26106-080452	BOLT, M8X 45 PLATED	20	20						
13-1	1	26106-080452	BOLT, M8X 45 PLATED	16	16						K
(A=FROM 1ST) (B=FROM 1ST)											
14	1	129100-01580	PIN, M8X16	2	2						
15	1	129100-01640	CASE ASSY, OIL SEAL	1	1						
17	2	129795-01780	SEAL, OIL	1	1						
18	1	129486-01670	BOLT, M8X30	6	6						
19	1	26106-080352	BOLT, M8X 35 PLATED	3	3						
20	1	26106-080502	BOLT, M8X 50 PLATED	4	4						W
(A=FROM 1ST) (B=FROM 1ST)											

N:Old New. Q:Old New. R:Old New. S:Old New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

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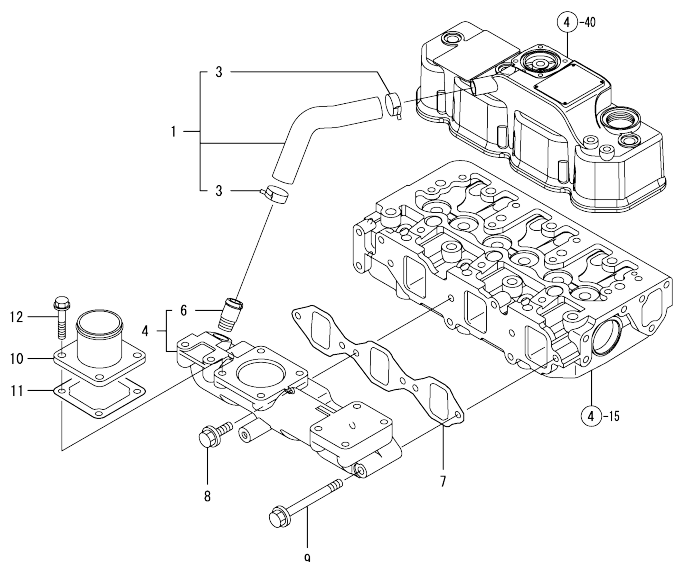
Fig.4. CYLINDER HEAD & BONNET



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

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

Fig.5. SUCTION MANIFOLD

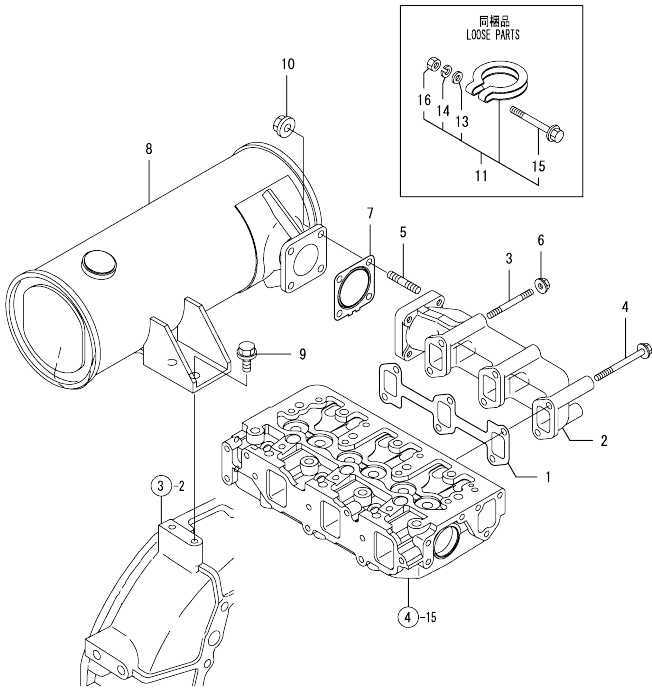


				(A)=3TNV88-BPTBZ (B)=3TNV88-BPTBZT (C)=	(D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129263-03080	PIPE ASSY, BREATHER	1	1						
3	2	129410-03990	CLIP	2	2						
4	1	129263-12100	MANIFOLD, AIR INTAKE	1	1						
6	2	129263-12210	JOINT, BREATHER	1	1						
7	1	129150-12111	GASKET, MANIFOLD	1	1						
8	1	26106-080252	BOLT, M8X 25 PLATED	3	3						
9	1	26106-080702	BOLT, M8X 70 PLATED	1	1						
10	1	129486-12581	JOINT, MANIFOLD	1	1						
11	1	129150-77511	GASKET	1	1						
12	1	26106-080202	BOLT, M8X 20 PLATED	4	4						

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.6. EXHAUST MANIFOLD & SILENCER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-13110	GASKET	1	1						
2	1	129004-13129	MANIFOLD, EXHAUST	1	1						
3	1	123900-13610	STUD, M8X80	2	2						
4	1	123900-13630	BOLT, M8X80	4	4						
5	1	119131-18320	STUD, M8X22	4	4						
6	1	26306-080002	NUT, M8	2	2						
7	1	129004-13200	GASKET, SILENCER	1	1						
8	1	129242-13520	SILENCER	1	1						
9	1	26106-100202	BOLT, M10X 20 PLATED	2	2						
10	1	26306-080002	NUT, M8	4	4						
11	1	121120-13590	CLAMP	1	1						
13	2	22117-100000	WASHER, 10	1	1						
14	2	22217-100000	WASHER, SPRING 10	1	1						
15	2	26106-100652	BOLT, M10X 65 PLATED	1	1						
16	2	26706-100002	NUT, M10	1	1						

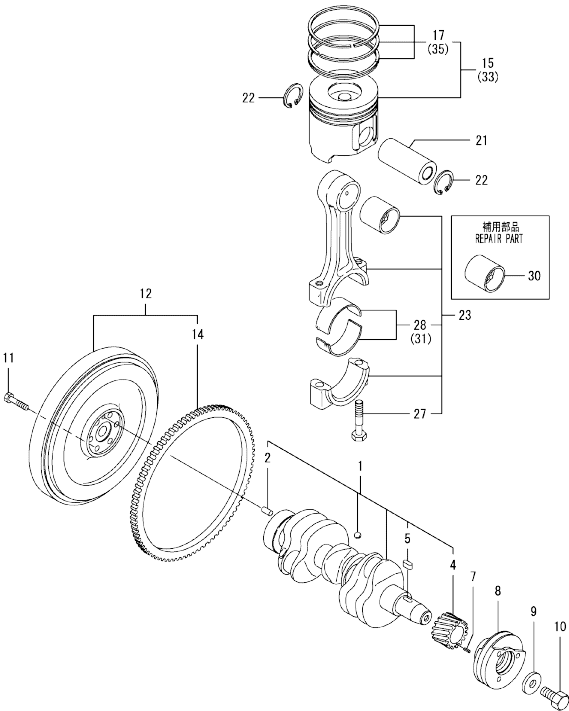
Fig.7. CAMSHAFT & DRIVING GEAR



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.8. CRANKSHAFT & PISTON



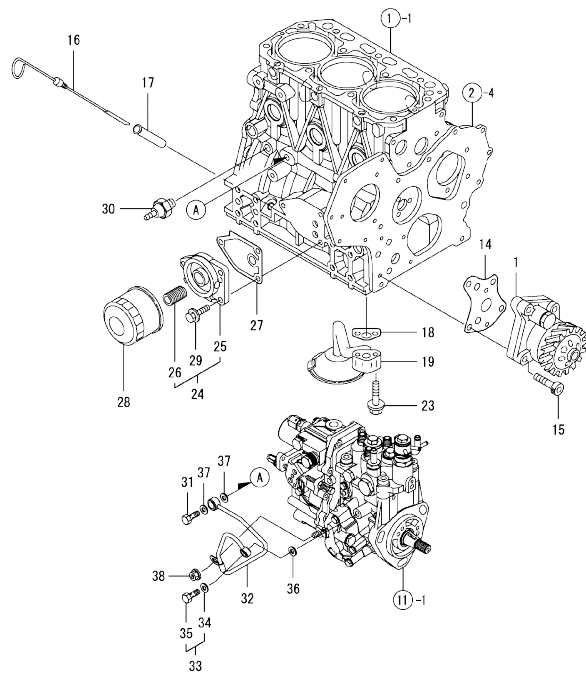
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129008-21000	CRANKSHAFT ASSY	1	1						
2	2	129100-01580	PIN, M8X16	1	1						
4	2	119803-21200	GEAR, CRANKSHAFT	1	1						
5	2	22512-070140	KEY, 7X 14	1	1						
7	1	22351-030010	PIN, SPRING 3.0X10	1	1						
8	1	129005-21650	V-PULLEY, 120	1	1						
9	1	129795-21661	WASHER	1	1						
10	1	121850-21680	BOLT	1	1						
11	1	121111-21501	BOLT, FLYWHEEL	6	6						
12	1	129002-21590	FLYWHEEL ASSY	1	1						
14	2	119865-21600	GEAR, RING	1	1						
15	1	129005-22080	PISTON ASSY	3	3						
17	2	129005-22500	RING SET, PISTON	3	3						
21	1	129202-22300	PIN, PISTON D26 L70	3	3						
22	1	22252-000260	RING, 26	6	6						
23	1	729402-23100	ROD ASSY, CONNECTING	3	3						
27	2	121550-23200	BOLT, CONNECTING ROD	6	6						
28	2	129150-23601	BEARING, CRANK PIN	3	3						
30	1	129100-23910	BEARING, PISTON PIN	3	3						1
31	1	129150-23611	BEARING, 0.25 US	3	3						2
33	1	129005-22900	PISTON ASSY, 0.25 OS	3	3						3
35	2	129005-22950	RING SET, 0.25 OS	3	3						3

Remarks

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

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Fig.9. LUB.OIL SYSTEM



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129001-32001	PUMP ASSY, OIL	1	1						
14	1	129150-32020	GASKET, PUMP	1	1						
15	1	26450-060252	BOLT, M6X 25	4	4						
16	1	129005-34802	DIPSTICK, OIL	1	1						
17	1	121520-34810	GUIDE, DIPSTICK	1	1						
18	1	129150-35042	GASKET	1	1						
19	1	129150-35091	PIPE ASSY, OIL INLET	1	1						
23	1	26106-080352	BOLT, M8X 35 PLATED	2	2						
24	1	119802-35100	BRACKET ASSY, FILTER	1	1						
25	2	119802-35110	BRACKET, FILTER	1	1						
26	2	129100-35140	STUD	1	1						
27	1	129150-35111	GASKET	1	1						
28	1	129150-35153	FILTER	1	1						1
29	1	26106-080202	BOLT, M8X 20 PLATED	3	3						
30	1	114250-39450	SWITCH, 0.5KG	1	1						
31	1	124160-39140	BOLT, PIPE JOINT M10	1	1						
32	1	119802-39450	PIPE ASSY, OIL	1	1						
33	1	129005-59830	BOLT ASSY, JOINT M8	1	1						
34	2	22190-080002	WASHER, SEAL 6	1	1						
35	2	23857-030000	BOLT, JOINT 3	1	1						
36	1	22190-080002	WASHER, SEAL 6	1	1						
37	1	22190-100002	WASHER, SEAL 10	2	2						
38	1	26366-060002	NUT, M6	1	1						

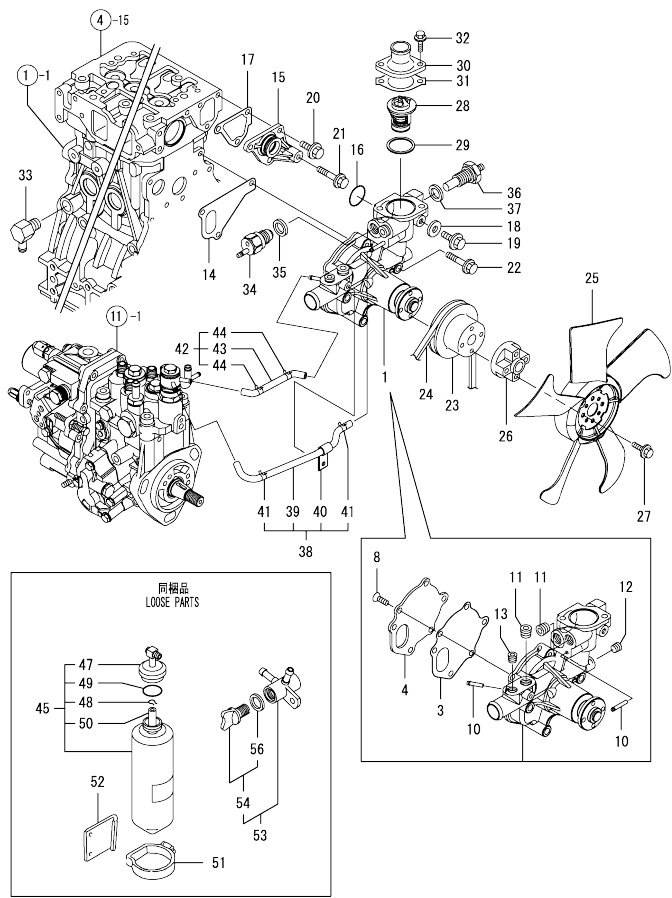
Remarks

(1) REPAIR 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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Fig.10. COOLING WATER SYSTEM

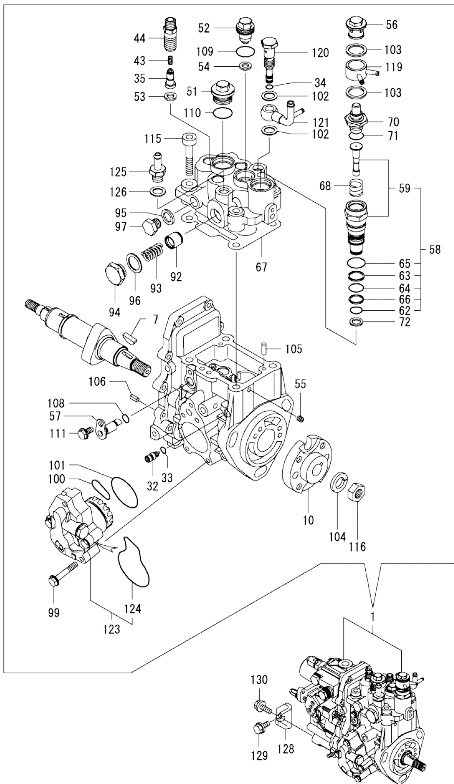


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-42001	PUMP ASSY, WATER	1	1						
3	2	129100-42051	GASKET, WATER PUMP	1	1						
4	2	129100-42121	PLATE	1	1						
8	2	121850-42410	SCREW	3	3						
10	2	119802-49113	JOINT, PIPE	2	2						
11	2	129916-49740	PLUG, R03	2	2						
12	2	23876-010000	PLUG, R01	1	1						
13	2	23876-020000	PLUG, R02	1	1						
14	1	129486-42021	GASKET, WATER PUMP	1	1						
15	1	129004-42040	JOINT	1	1						
16	1	129486-42140	O-RING, G30	1	1						
17	1	124395-49840	GASKET	1	1						
18	1	23414-080000	GASKET, 8X1.0	1	1						
19	1	26106-080122	BOLT, M8X 12 PLATED	1	1						
20	1	26106-080162	BOLT, M8X 16 PLATED	3	3						
21	1	26106-080452	BOLT, M8X 45 PLATED	1	1						
22	1	26106-080602	BOLT, M8X 60 PLATED	3	3						
23	1	129155-42350	V-PULLEY	1	1						
24	1	129612-42350	V-BELT, A38	1	1						
25	1	129335-44740	FAN, COOLING D335	1	1						
26	1	121267-44760	SPACER	1	1						
27	1	26106-060302	BOLT, M6X 30 PLATED	4	4						
28	1	129457-49801	THERMOSTAT, 82	1	1						
29	1	129150-49811	GASKET, THERMOSTAT	1	1						
30	1	129350-49530	COVER, THERMOSTAT	1	1						
31	1	129795-49551	GASKET	1	1						
32	1	26106-080222	BOLT, M8X 22 PLATED	2	2						
33	1	121750-49110	JOINT	1	1						
34	1	121250-44901	SWITCH, 110	1	1						
35	1	124465-44950	GASKET, 16	1	1						
36	1	119266-49350	SWITCH	1	1						
37	1	129150-49360	GASKET	1	1						
38	1	129004-49610	PIPE ASSY, WATER	1	1						
39	2	129004-49711	PIPE ASSY, WATER	1	1						
40	2	119802-49730	RETAINER, PIPE	1	1						
41	2	124722-59050	CLIP, HOSE 9	2	2						
42	1	129004-49620	PIPE ASSY, WATER	1	1						
43	2	129004-49721	PIPE ASSY, WATER	1	1						
44	2	124722-59050	CLIP, HOSE 9	2	2						
45	1	171064-44510	TANK ASSY, SUB	1	1						
47	2	121450-44531	CAP	1	1						
48	2	124450-44560	RETAINER	1	1						
49	2	121470-44581	GASKET	1	1						
50	2	23065-070225	HOSE 7X 225	1	1						
51	1	124450-44550	BAND	1	1						
52	1	121256-44600	BRACKET, SUB TANK	1	1						
53	1	129150-49100	COCK ASSY, 3-WAY	1	1						
54	2	129150-49080	COCK, DRAIN	1	1						
56	3	119629-49080	GASKET	1	1						

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.11. FUEL INJECTION PUMP



Remarks

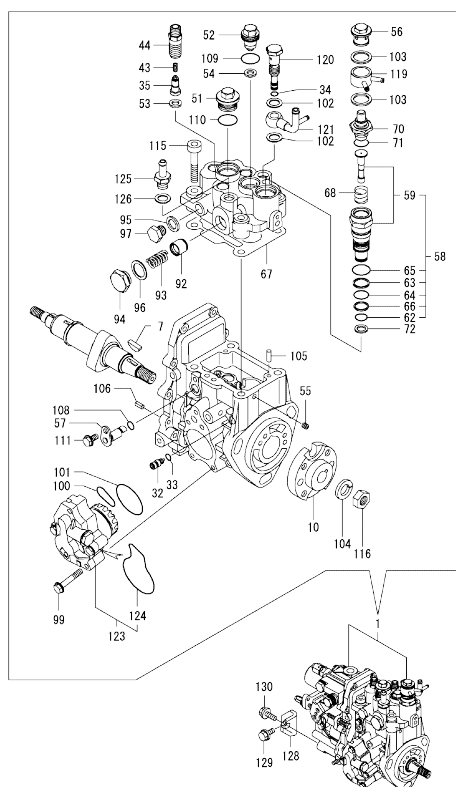
(1)GOVERNOR ASSY(FIG.12) IS INCORPORATED IN THIS FOP CMP (REF NO.1).
(2)NO.1-2 & FIG.13 NO.1-1 INTERCHANGEABLE BY SET.

(A)=3TNV88-BPTBZ
(B)=3TNV88-BPTBZT
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729236-51370	PUMP ASSY, INJECTION	1	1						1
1-1	1	729236-51371	PUMP ASSY, INJECTION	1	1					N	1
(A="2008.11) (B="2008.11)											
1-2	1	729236-51530	PUMP ASSY, INJECTION	1	1					S	2
(A=E/#B3829) (B=E/#B3829)											
7	2	119802-51090	KEY, 4X16	1	1						
10	2	158552-51151	FLANGE	1	1						
32	2	158600-51270	STOPPER, TAPPET	1	1						
33	2	158563-51281	O-RING, 4D S6	1	1						
34	2	158563-51281	O-RING, 4D S6	1	1						
35	2	129008-51300	VALVE ASSY, DELIVERY	3	3						
43	2	158563-51330	SPRING, DELIVERY	3	3						
44	2	129008-51340	HOLDER, DELIVERY	3	3						
51	2	158601-51550	PLUG	1	1						
52	2	119802-51560	PLUG, BARREL	1	1						
53	2	158552-51570	GASKET	3	3						
54	2	158552-51570	GASKET	1	1						
55	2	158557-51570	PLUG	1	1						
56	2	158601-51570	PLUG	1	1						
57	2	158552-51580	LIFTER	1	1						
58	2	119802-51590	TIMER SET	1	1						
59	3	119802-51600	TIMER ASSY	1	1						
62	3	158553-51670	O-RING, 1011	1	1						
63	3	119802-51680	RING, BACK UP	1	1						
64	3	119802-51690	O-RING	1	1						
65	3	24356-010200	O-RING, 4D1020	1	1						
66	3	24372-000150	RING, BACK UP T2P15	1	1						
67	2	158552-51600	GASKET	1	1						
68	2	158553-51630	SPRING, TIMER	1	1						
70	3	158553-51640	ELEMENT	1	1						
70-1	3	158553-51650	ELEMENT	1	1					N	
(A="2008.11) (B="2008.11)											
71	2	158553-51660	O-RING, P14	1	1						
72	2	158553-51680	GASKET	1	1						
92	2	158601-51770	PISTON	1	1						
93	2	158552-51781	SPRING	1	1						
94	2	158601-51790	PLUG	1	1						
95	2	22190-120002	WASHER, SEAL 12	1	1						
96	2	22190-180002	WASHER, SEAL 18	1	1						
97	2	23887-120002	PLUG, 12	1	1						
99	2	158553-51770	BOLT	4	4						
100	2	158552-52310	O-RING	1	1						
101	2	158552-52400	O-RING, 4E S42	1	1						
102	2	22190-120002	WASHER, SEAL 12	2	2						
103	2	22190-180002	WASHER, SEAL 18	2	2						
104	2	22217-140000	WASHER, SPRING 14	1	1						
105	2	22312-050140	PIN, PARALLEL M5X14	2	2						
106	2	22351-050010	PIN, SPRING 5.0X10	2	2						
108	2	24311-000070	O-RING, 1AP7.0	1	1						
109	2	24356-010180	O-RING, 4D1018	1	1						
110	2	24356-010200	O-RING, 4D1020	1	1						

N:Old $\frac{New}{Old}$ New, Q:Old $\frac{New}{Old}$ New, R:Old $\frac{New}{Old}$ New, S:Old $\frac{New}{Old}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Remarks

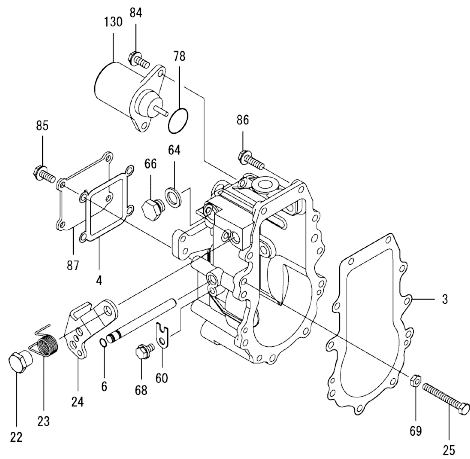
Remarks
(1)GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FOP CMP
(REF NO.1).
(2)NO.1-2 & FIG.13 NO.1-1
INTERCHANGEABLE BY SET.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
111	2	26106-060102	BOLT, M6X 10 PLATED	1	1						
115	2	26450-080452	BOLT, M8X 45	4	4						
116	2	26776-140002	NUT, LOCK M14	1	1						
119	2	158553-51551	JOINT	1	1						
120	2	158601-51650	JOINT, OVER FLOW	1	1						
121	2	158552-51670	JOINT, OVER FLOW	1	1						
123	2	158552-52100	PUMP ASSY, FUEL FEED	1	1						
124	3	158552-52500	O-RING	1	1						
125	2	119934-59910	JOINT, PIPE	1	1						
126	2	22190-120002	WASHER, SEAL 12	1	1						
128	1	119802-51250	RETAINER, PUMP	1	1						
129	1	26106-080162	BOLT, M8X 16 PLATED	1	1						
130	1	26106-080202	BOLT, M8X 20 PLATED	1	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-M99600

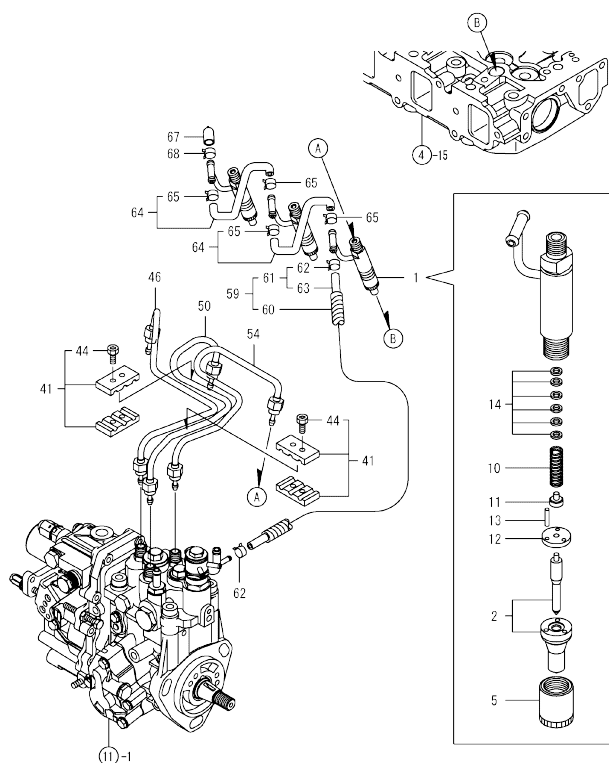
Fig.12. GOVERNOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	2	158553-61050	GASKET	1	1						
4	2	158553-61070	GASKET	1	1						
6	2	129155-51280	O-RING, S6	1	1						
22	2	129255-61410	NUT, LOCK	1	1						
23	2	119807-61420	SPRING, RETURN	1	1						
24	2	158552-61441	LEVER, REGULATOR	1	1						
25	2	129155-61460	BOLT, IDLE	1	1						
60	2	119660-61901	RETAINER, SHAFT	1	1						
64	2	22190-120000	WASHER, SEAL 12	1	1						
66	2	23887-120002	PLUG, 12	1	1						
68	2	26106-060102	BOLT, M6X 10 PLATED	1	1						
69	2	26756-060002	NUT, LOCK M6	1	1						
78	2	158552-61900	O-RING	1	1						
84	2	26106-060142	BOLT, M6X 14 PLATED	2	2						
85	2	26106-060142	BOLT, M6X 14 PLATED	4	4						
86	2	26106-060202	BOLT, M6X 20 PLATED	10	10						
87	2	129642-61060	COVER, GOVERNOR CASE	1	1						
130	2	119233-77932	SOLENOID, STOP	1	1						

Remarks

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

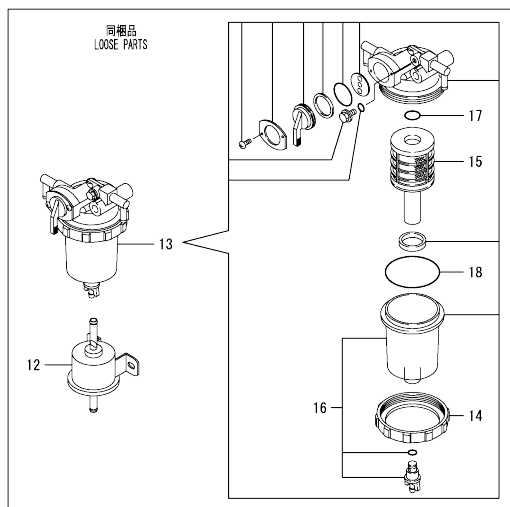


Remarks
(1)NO.1-1 & FIG.11 NO.1-2
INTERCHANGEABLE BY SET.

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729604-53100	VALVE ASSY,INJECTION	3	3						
1-1	1	729604-53300 (A=E/#B3829)	VALVE ASSY,INJECTION (B=E/#B3829)	3	3					S	1
2	2	129604-53000	VALVE ASSY,INJECTION	3	3						
2-1	2	129604-53300 (A=E/#B3829)	VALVE ASSY,INJECTION (B=E/#B3829)	3	3					S	
5	2	114250-53080	NUT, NOZZLE D16.95	3	3						
10	2	114250-53120	SPRING, NOZZLE	3	3						
11	2	114250-53130	SEAT, SPRING	3	3						
12	2	114250-53140	PLATE	3	3						
13	2	114250-53210	PIN	6	6						
14	2	119803-53400	SHIM SET	3	3						
41	1	129150-59120	RETAINER, PIPE	2	2						
44	2	129150-59131	BOLT, M4X14	4	4						
46	1	129263-59811	PIPE ASSY, INJECTION	1	1						
50	1	129263-59821	PIPE ASSY, INJECTION	1	1						
54	1	129263-59831	PIPE ASSY, INJECTION	1	1						
59	1	129263-59550	PIPE ASSY, RETURN	1	1						
60	2	129486-59320	TUBE, CORRUGATED	1	1						
61	2	119802-59550	PIPE ASSY, RETURN	1	1						
62	3	124722-59050	CLIP, HOSE 9	2	2						
63	3	119802-59560	PIPE, FUEL RETURN	1	1						
64	1	129486-59551	PIPE ASSY, RETURN	2	2						
65	2	124722-59050	CLIP, HOSE 9	4	4						
67	1	119593-59581	CAP	1	1						
68	1	124060-77680	CLIP, HOSE 10	1	1						

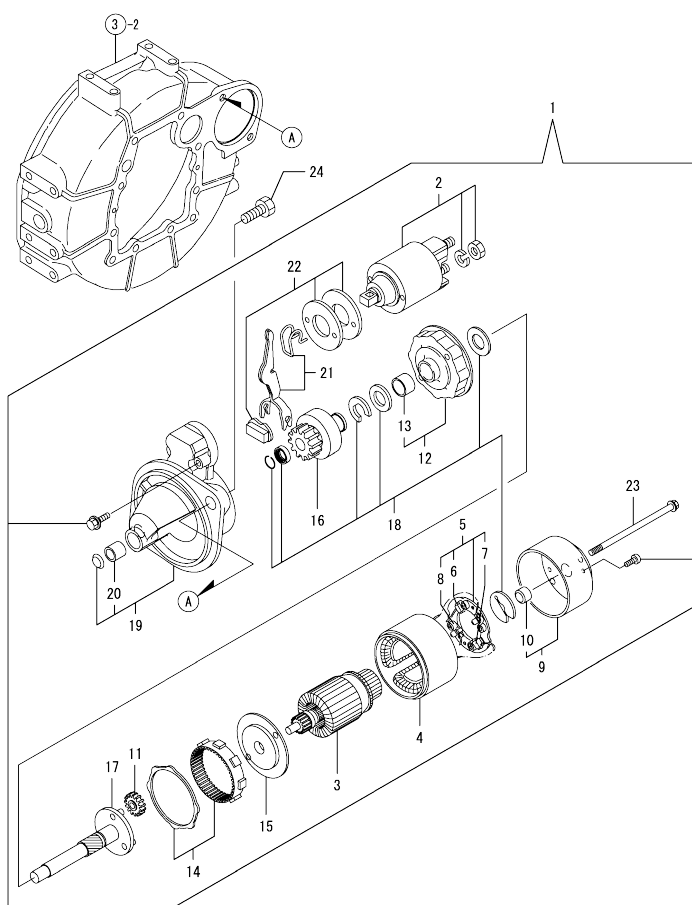
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New. Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New. R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New. S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

Fig.14. FUEL LINE



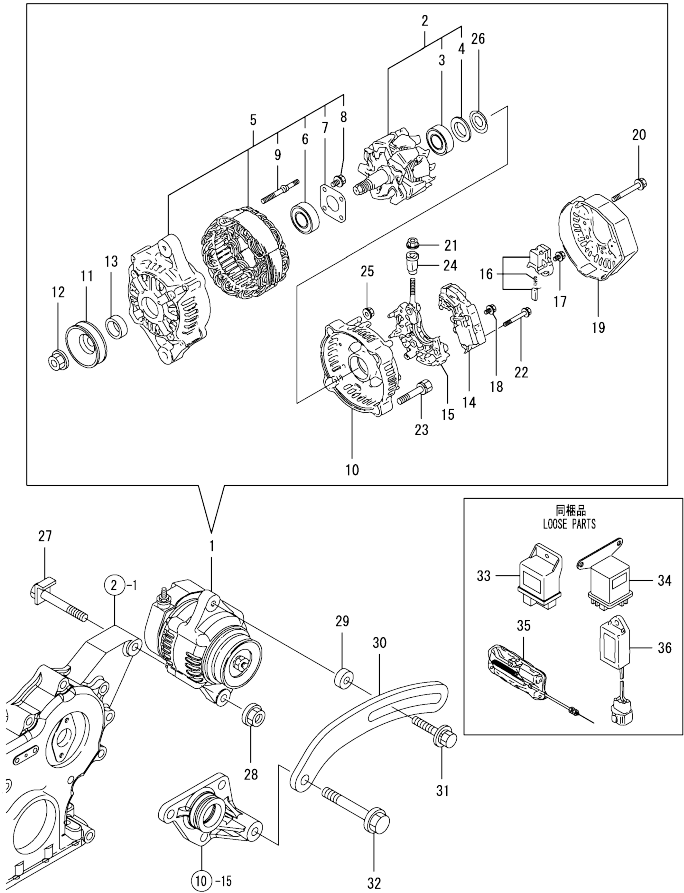
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-55612	BRACKET, FILTER	1	1						
2	1	119940-55690	SPACER	1	1						
3	1	129907-55801	FILTER, FUEL	1	1						
4	1	26106-080252	BOLT, M8X 25 PLATED		2	2					
5	1	26106-080302	BOLT, M8X 30 PLATED		2	2					
6	1	129210-59080	PIPE ASSY, FUEL	1	1						
7	2	124766-59050	CLIP, HOSE 12		2	2					
8	2	129136-59110	PIPE, D13/7.5X270		1	1					
9	1	129210-59130	PIPE ASSY, FUEL	1	1						
10	2	124766-59050	CLIP, HOSE 12		2	2					
11	2	105025-59750	PIPE, FUEL		1	1					
12	1	129612-52100	PUMP ASSY, FUEL FEED	1	1						
13	1	129906-55700	SEPARATOR ASSY	1	1						
14	2	129100-55690	RING, RETAINING		1	1					
15	2	119802-55710	ELEMENT	1	1						
16	2	119802-55730	CUP ASSY		1	1					
17	2	24311-000160	O-RING, 1AP16.0		1	1					
18	2	24321-000650	O-RING, 1AG65.0	1	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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129242-77010	STARTER	1	1						
2	2	129698-77020	SWITCH ASSY	1	1						
3	2	129242-77100	ARMATURE ASSY	1	1						
4	2	129242-77110	YOKE ASSY	1	1						
5	2	129242-77120	HOLDER ASSY, BRUSH	1	1						
6	3	129242-77130	BRUSH	2	2						
7	3	129242-77140	BRUSH SET	1	1						
8	3	129242-77150	SPRING	4	4						
9	2	129242-77160	COVER ASSY	1	1						
10	3	129242-77170	METAL	1	1						
11	2	118400-77170	GEAR	3	3						
12	2	129242-77180	BRACKET	1	1						
13	3	129698-77190	BRACKET	1	1						
14	2	129698-77200	GEAR, INTERNAL	1	1						
15	2	129242-77210	BRACKET	1	1						
16	2	129698-77220	PINION ASSY	1	1						
17	2	129698-77230	SHAFT	1	1						
18	2	129698-77250	WASHER SET	1	1						
19	2	129242-77260	CASE ASSY	1	1						
20	3	X2114535200	METAL, STARTER	1	1						
21	2	129242-77270	LEVER SET	1	1						
22	2	129242-77280	COVER ASSY, DUST	1	1						
23	2	124195-77770	BOLT, THROUGH	2	2						
24	1	26116-120252	BOLT, M12X 25 PLATED	2	2						

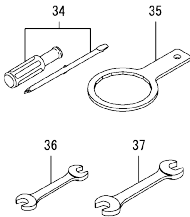
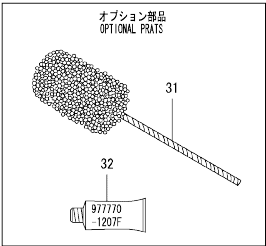
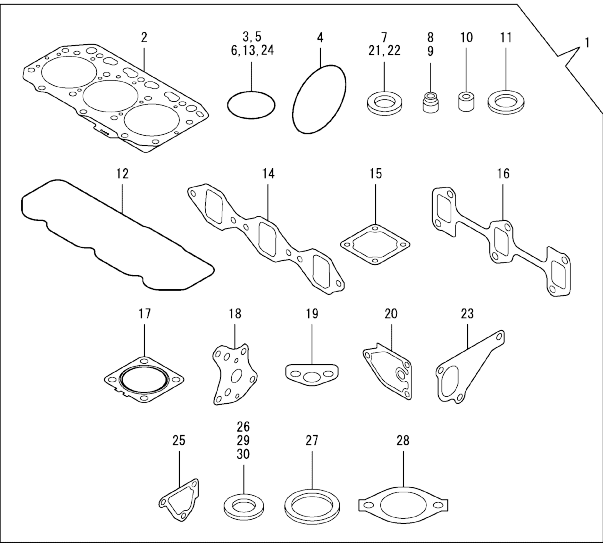
Fig.16. GENERATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129240-77200	ALTERNATOR	1	1						
2	2	119620-77380	ROTOR ASSY	1	1						
3	3	123501-79240	BEARING, BALL	1	1						
4	3	119620-79250	COVER	1	1						
5	2	119620-77421	FRAME ASSY, DRIVE	1	1						
6	3	119620-79200	BEARING, BALL	1	1						
7	3	119620-79210	PLATE, RETAINER	1	1						
8	3	119620-79220	SCREW	4	4						
9	3	119620-79230	STUD	2	2						
10	2	119620-77440	FRAME ASSY	1	1						
11	2	119620-77461	PULLEY	1	1						
12	2	119620-77471	NUT	1	1						
13	2	119620-77490	COLLAR	1	1						
14	2	129240-77710	REGULATOR ASSY	1	1						
15	2	119620-79260	HOLDER	1	1						
16	2	129052-79270	HOLDER, BRUSH	1	1						
17	2	119620-79290	SCREW	6	6						
18	2	119620-79300	SCREW	1	1						
19	2	129240-79300	COVER	1	1						
20	2	119620-79310	BOLT	3	3						
21	2	129240-79310	NUT	1	1						
22	2	119620-79320	SCREW	2	2						
23	2	119620-79330	BOLT	2	2						
24	2	119620-79340	BUSH, INSULATION	1	1						
25	2	119620-79350	NUT	2	2						
26	2	119620-79360	WASHER, THRUST	1	1						
27	1	119740-77250	BOLT, M10X76	1	1						
28	1	26306-100002	NUT, M10	1	1						
29	1	119940-77270	SPACER, GENERATOR	1	1						
30	1	119802-77330	ADJUSTER	1	1						
31	1	129972-77341	BOLT, ADJUSTER L=50	1	1						
32	1	26106-080452	BOLT, M8X 45 PLATED	1	1						
33	1	119802-77200	RELAY, SAFETY	1	1						
34	1	119646-77900	RELAY, POWER	1	1						
35	1	119032-77910	MOTOR ASSY	1	1						
36	1	129211-77920	TIMER	1	1						

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Fig.17. GASKET SET



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-92710	GASKET SET	1	1						1
2	2	129001-01340	GASKET, HEAD	1	1						
3	2	119609-32040	O-RING, P16	2	2						
4	2	121850-51960	O-RING	1	1						
5	2	24311-000320	O-RING, 1AP32.0	2	2						
6	2	24341-000240	O-RING, 1AS24.0	1	1						
7	2	22190-220002	WASHER, SEAL 22	1	1						
8	2	121400-11340	SEAL, VALVE STEM	3	3						
9	2	124460-11340	SEAL, VALVE STEM	3	3						
10	2	119802-11870	PROTECTOR, NOZZLE	3	3						
11	2	119625-11880	SEAT, NOZZLE	3	3						
12	2	129004-11310	GASKET, BONNET	1	1						
13	2	24311-000120	O-RING, 1AP12.0	3	3						
14	2	129150-12111	GASKET, MANIFOLD	1	1						
15	2	129150-77511	GASKET	1	1						
16	2	129150-13110	GASKET	1	1						
17	2	129004-13200	GASKET, SILENCER	1	1						
18	2	129150-32020	GASKET, PUMP	1	1						
19	2	129150-35042	GASKET	1	1						
20	2	129150-35111	GASKET	1	1						
21	2	22190-080002	WASHER, SEAL 6	2	2						
22	2	22190-100002	WASHER, SEAL 10	2	2						
23	2	129486-42021	GASKET, WATER PUMP	1	1						
24	2	129486-42140	O-RING, G30	1	1						
25	2	124395-49840	GASKET	1	1						
26	2	23414-080000	GASKET, 8X1.0	1	1						
27	2	129150-49811	GASKET, THERMOSTAT	1	1						
28	2	129795-49551	GASKET	1	1						
29	2	124465-44950	GASKET, 16	1	1						
30	2	129150-49360	GASKET	1	1						
31	1	129400-92430	HONE	1	1						1
32	1	977770-1207F	GASKET LIQUID	1	1						1
34	1	104200-92350	DRIVER, SCREW	1	1						
35	1	119640-92750	WRENCH, FILTER 80	1	1						
36	1	28110-100120	SPANNER, 10X12	1	1						
37	1	28110-140170	SPANNER, 14X17	1	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	34
105025-59750	14	11
114250-39450	9	30
114250-53080	13	5
114250-53120	13	10
114250-53130	13	11
114250-53140	13	12
114250-53210	13	13
118400-77170	15	11
119032-77910	16	35
119131-18320	6	5
119233-77932	12	130
119266-49350	10	36
119593-59581	13	67
119609-32040	2	9
	17	3
119620-01750	3	3
119620-77380	16	2
119620-77421	16	5
119620-77440	16	10
119620-77461	16	11
119620-77471	16	12
119620-77490	16	13
119620-79200	16	6
119620-79210	16	7
119620-79220	16	8
119620-79230	16	9
119620-79250	16	4
119620-79260	16	15
119620-79290	16	17
119620-79300	16	18
119620-79310	16	20
119620-79320	16	22
119620-79330	16	23
119620-79340	16	24
119620-79350	16	25
119620-79360	16	26
119625-11880	4	32
	17	11
119629-49080	10	56
119640-01640	3	8
119640-92750	17	35
119646-77900	16	34
119660-61901	12	60
119740-77250	16	27
119802-01561	2	5
119802-03110	4	43
119802-03121	4	44
119802-03130	4	45
119802-03141	4	46

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119802-11260	4	6
119802-11270	4	7
119802-11280	4	8
119802-11870	4	31
	17	10
119802-25071	7	13
119802-25101	7	10
119802-25901	7	16
119802-35100	9	24
119802-35110	9	25
119802-39450	9	32
119802-49113	10	10
119802-49730	10	40
119802-51090	11	7
119802-51250	11	128
119802-51560	11	52
119802-51590	11	58
119802-51600	11	59
119802-51680	11	63
119802-51690	11	64
119802-55710	14	15
119802-55730	14	16
119802-59550	13	61
119802-59560	13	63
119802-77200	16	33
119802-77330	16	30
119803-01520	2	4
119803-21200	8	4
119803-25050	7	9
119803-53400	13	14
119803-77830	4	56
119807-61420	12	23
119865-21600	8	14
119934-01800	2	3
119934-59910	11	125
119940-55690	14	2
119940-77270	16	29
120130-11860	4	29
120270-54410	4	34
121023-01551	2	19
121111-21501	8	11
121120-13590	6	11
121250-44901	10	34
121256-44600	10	52
121267-44760	10	26
121400-11340	4	25
	17	8
121450-44531	10	47
121470-44581	10	49
121520-34810	9	17

Parts No.	Fig. No.	Ref. No.
121550-23200	8	27
121750-49110	10	33
121850-21680	8	10
121850-42410	10	8
121850-51960	2	10
	17	4
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