

0CD11-M10300EN

P R E F A C E

1. This parts catalog is the 1st edition of 3TNV88-BNSN for SHINTECH.

Pub.No. : 0CD11-G10300

Published : March, 2010

2. Model name

Engine model	Vehicle	Vehicle made by
3TNV88-BNSN	CONCRETE PUMP	SHINTECH

Directions for the Parts Catalog.

- 1.This Parts Catalog shows both standard and optional parts.
- 2.Parts may change without prior notice.
- 3.The following is an example of the Parts Catalog format.

OCF10-G21601 29. FUEL INJECTION PUMP(W/BOOST)										
REF.	LEV.	PARTS NO.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)	
1	1	729595-51390	FUEL INJECTION PUMP	1	1	1	1	1		1
1-1	1	729595-51391	FUEL INJECTION PUMP	1	1	1	1	1	N	1
		(A=E00185) (B=E00200)								
3	2	26022-060162	SCREW M 6X 16	9	9	9	9	9		
3-1	2	26022-060162	SCREW M 6X 16	4	4	4	4	4	K	
		(A=E00156) (B=E00156) (C=E00156) (D=E00156) (E=E00156)								
4	2	129470-51040	CAMSHAFT	1	1	1	1	1		
5	2	122710-51050	BEARING, ROLLER	2	2	2	2	2		
6	2	129470-51060	RETAINER	1	1	1	1	1		

Remarks

(1) BOOST COMPENSATOR TYPE. OPTIONAL PART, TO E00155,(4JH-DT, 4JH-DTZ

① Ref. No.

The Ref. No. listed may not be in accordance with the illustration Ref. No.

(Ex.) Illustration No.

List Ref No.

1 1 (Before change) → 1-1 (After change)

For interchangeable symbols N, R and K, illustrations for new parts may be abbreviated.

② Lev. (Level)

Level indication

The numbers below indicate the level of relativity towards the main part.

1 ---- Main parts (Assembly parts)

2 ---- Sub component included in " 1 ".

3 ---- Sub component included in " 2 ".

Note) Parts that are not for sale are partially illustrated but not listed.

③ Interchangeability Symbol

When a part change takes place, one of the following interchangeability symbols is indicated beside the part.

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

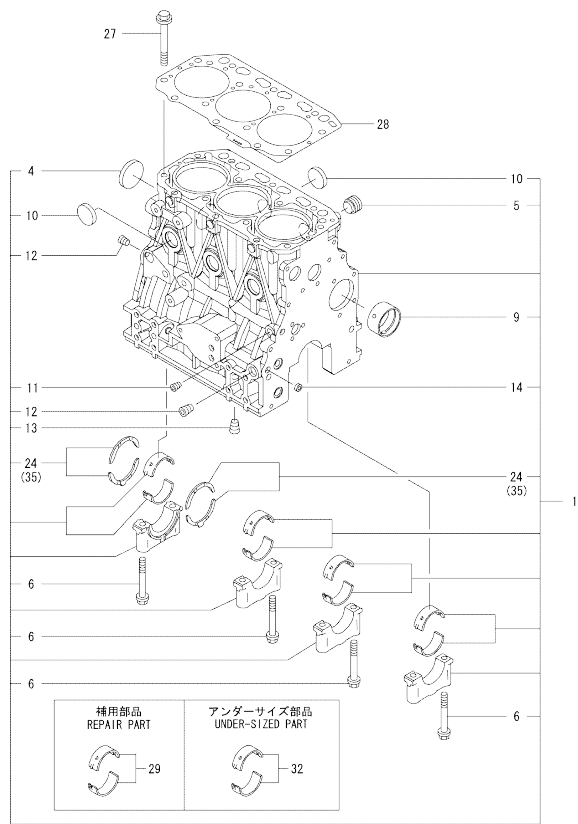
Figures or alphabets (symbols) are entered in the remarks column.

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

Contents

Fig. No.	Fig. Name	Fig. No.	Fig. Name
3TNV88-BNSN			
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	FLYWHEEL HOUSING & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD & AIR CLEANER		
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 LINE		
15.	STARTING MOTOR		
16.	GENERATOR		
17.	GASKET SET		

Fig.1. CYLINDER BLOCK

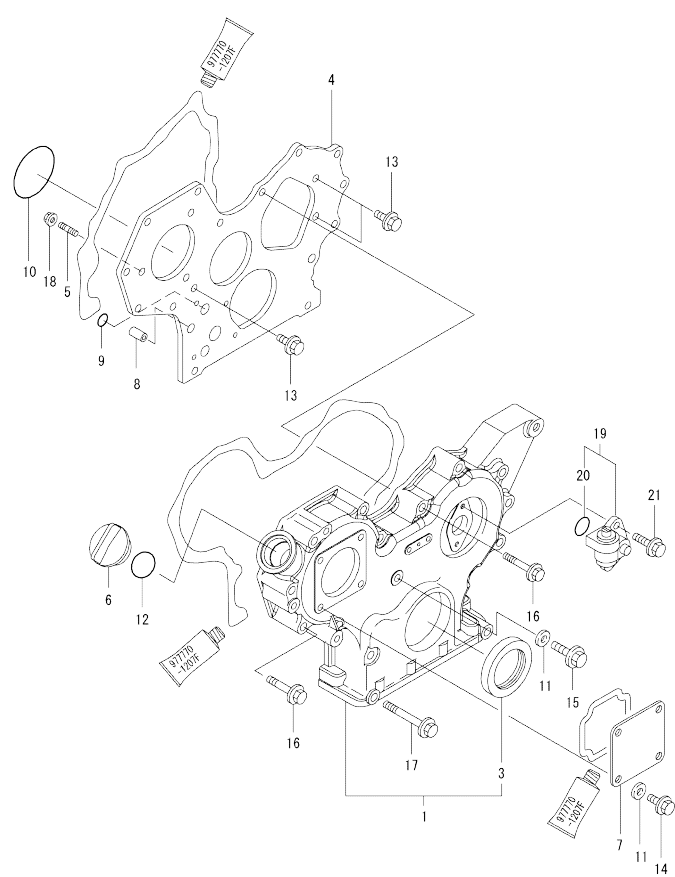


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-01560	BLOCK ASSY, CYLINDER	1							
4	2	129001-01250	PLUG, 50	1							
5	2	171051-01921	PLUG, NPTF1	1							
6	2	129150-02020	BOLT, METAL CAP	8							
9	2	129795-02412	BUSH, CAMSHAFT	1							
10	2	27241-300000	PLUG 30	6							
11	2	124060-01050	PLUG, PT1/8	1							
12	2	124160-01910	PLUG, PT1/4	2							
13	2	124160-01910	PLUG, PT1/4	1							
14	2	27241-120000	PLUG, 12	2							
24	2	129150-02931	BEARING, THRUST	2							
27	1	129150-01200	BOLT, HEAD	14							
28	1	129001-01340	GASKET, HEAD	1							
29	1	129001-02931	BEARING, MAIN	4							1
32	1	129150-02871	BEARING, 0.25 US	4							2
35	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.

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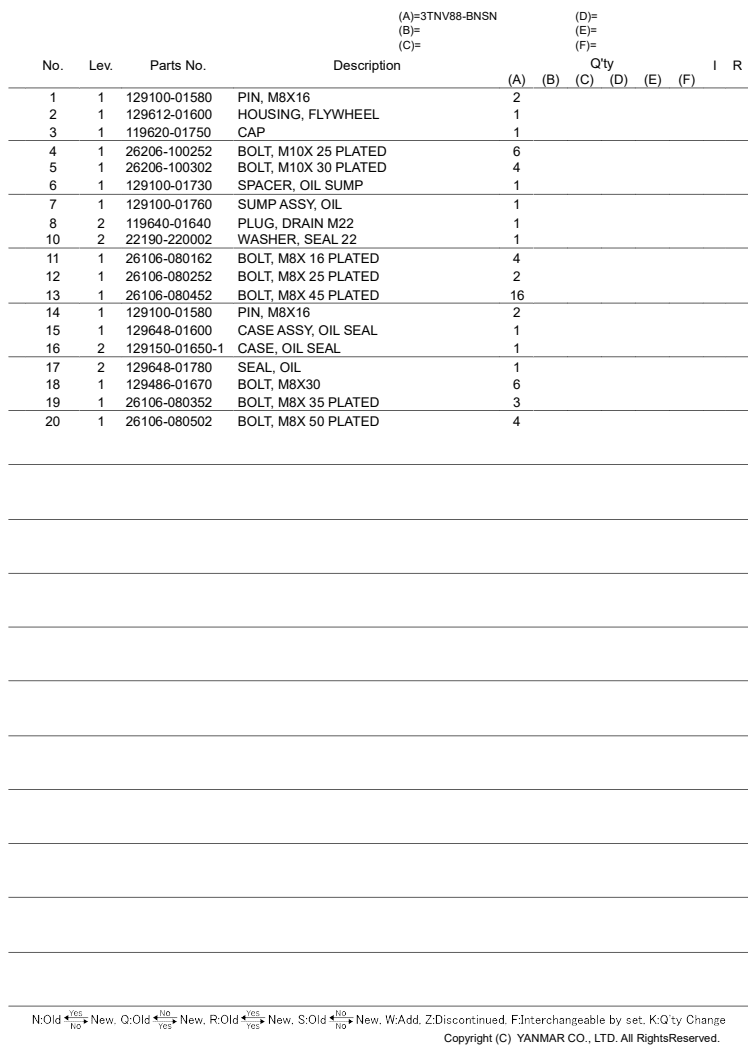
Fig.2. GEAR HOUSING



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719803-01500	CASE ASSY, GEAR	1							
3	2	119934-01800	SEAL, OIL	1							
4	1	119803-01520	FLANGE, GEAR CASE	1							
5	1	119802-01561	STUD, M8X25	3							
6	1	124160-01751	COVER, FILLER	1							
7	1	124240-01871	COVER	1							
8	1	129795-01950	PIPE, KNOCK L=18	2							
9	1	119609-32040	O-RING, P16	2							
10	1	121850-51960	O-RING	1							
11	1	22190-080002	WASHER, SEAL 6	5							
12	1	24311-000320	O-RING, 1AP32.0	1							
13	1	26106-080162	BOLT, M8X 16 PLATED	3							
14	1	26106-080162	BOLT, M8X 16 PLATED	4							
15	1	26106-080302	BOLT, M8X 30 PLATED	1							
16	1	26106-080552	BOLT, M8X 55 PLATED	12							
17	1	26106-080852	BOLT, M8X 85 PLATED	3							
18	1	26306-080002	NUT, M8	3							
19	1	129150-91400	GEAR	1							
20	2	24341-000240	O-RING, 1AS24.0	1							
21	1	26106-060162	BOLT, M6X 16 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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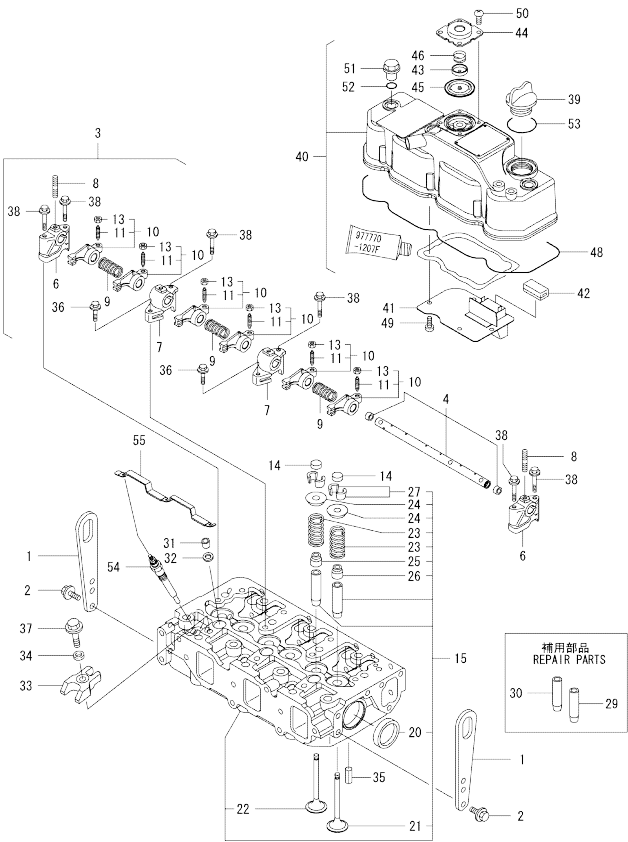
Fig.3. FLYWHEEL HOUSING & OIL SUMP



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

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Fig.4. CYLINDER HEAD & BONNET

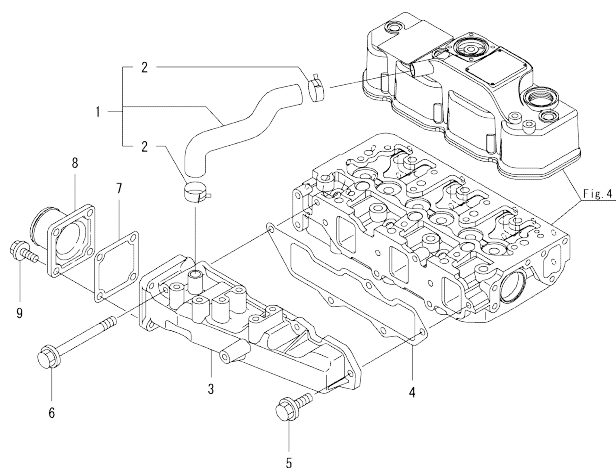


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER	2							
2	1	26106-080162	BOLT, M8X 16 PLATED	4							
3	1	129004-11241	SHAFT ASSY, ROCKER	1							
4	2	129004-11251	SHAFT, ROCKER ARM	1							
6	2	119802-11260	SUPPORT, ROCKER ARM	2							
7	2	119802-11270	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	129008-11700	HEAD ASSY, CYLINDER	1							
20	2	27241-400000	PLUG, 40	2							
21	2	129005-11100	VALVE, INTAKE	3							
22	2	129100-11112	VALVE, EXHAUST	3							
23	2	129795-11120	SPRING, VALVE	6							
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							
54	1	129008-77800	PLUG, GLOW	3							
55	1	129008-77820	CONNECTOR, GLOW PLUG	1							

Remarks
(1)Repair part.

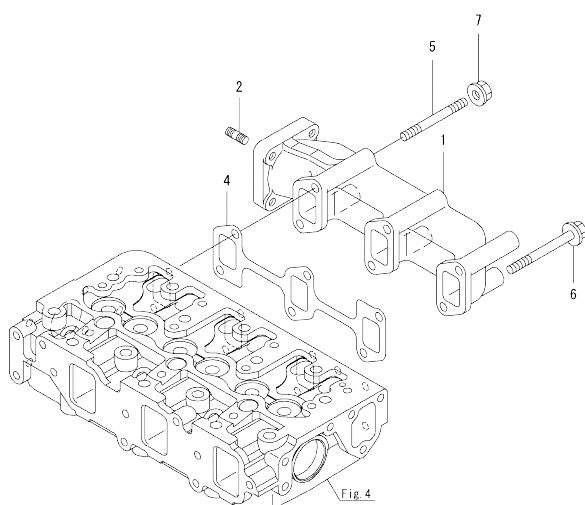
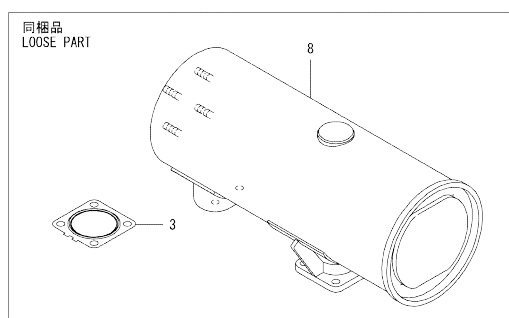
N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.5. SUCTION MANIFOLD & AIR CLEANER

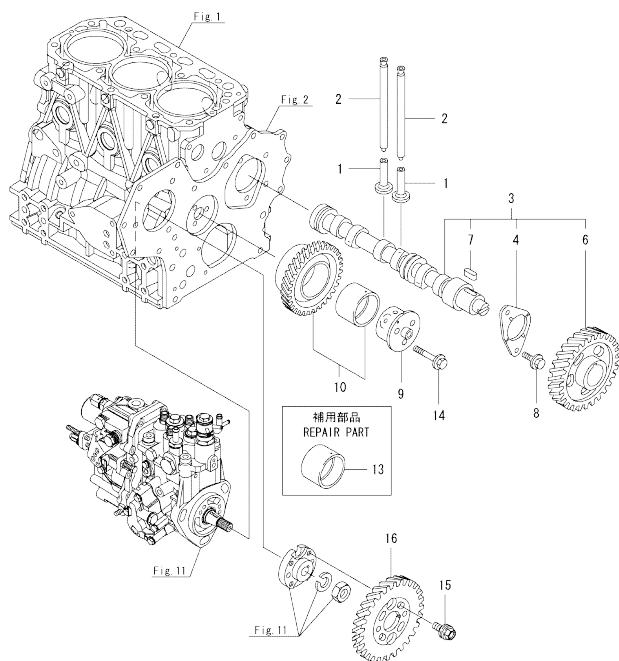


					(A)=3TNV88-BNSN (B)= (C)=	(D)= (E)= (F)=					
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty (D)	(E)	(F)	I	R
1	1	129004-03080	PIPE, BREATHER	1							
2	2	129410-03990	CLAMP 22	2							
3	1	129004-12101	MANIFOLD, AIR INTAKE	1							
4	1	129001-12110	GASKET, MANIFOLD	1							
5	1	26106-080202	BOLT, M8X 20 PLATED	4							
6	1	26106-080802	BOLT, M8X 80 PLATED	1							
7	1	129150-77511	GASKET	1							
8	1	129486-12581	JOINT, MANIFOLD	1							
9	1	26106-080202	BOLT, M8X 20 PLATED	4							
10	1	119910-12601	CLEANER ASSY, AIR	1							
12	2	119808-12520	ELEMENT	1							
13	2	129051-12530	ELEMENT	1							
14	2	119808-12540	VALVE, UNLOADER	1							
15	2	119866-12541	COVER ASSY	1							
16	2	129612-12650	LABEL, MARKING	1							
17	2	126650-12680	INDICATOR	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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				(A)=3TNV88-BNSN	(D)=							
				(B)=	(E)=							
				(C)=	(F)=							
No.	Lev.	Parts No.	Description	Q'ty							I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	129004-13129	MANIFOLD, EXHAUST	1								
2	1	119131-18320	STUD, M8X22	4								
3	1	129004-13200	GASKET, SILENCER	3								
4	1	129150-13110	GASKET	1								
5	1	123900-13610	STUD, M8X80	2								
6	1	123900-13630	BOLT, M8X80	4								
7	1	26306-080002	NUT, M8	2								
8	1	129004-13550	SILENCER	1								



				(A)=3TNV88-BNSN (B)= (C)=					(D)= (E)= (F)=				
No.	Lev.	Parts No.	Description	Q'ty							I	R	
				(A)	(B)	(C)	(D)	(E)	(F)				
1	1	129150-14200	TAPPET	6									
2	1	129150-14400	ROD, PUSH L=178	6									
3	1	129129-14580	CAMSHAFT ASSY	1									
4	2	129150-02450	BEARING, THRUST	1									
6	2	129150-14101	GEAR, CAMSHAFT	1									
7	2	22512-070140	KEY, 7X 14	1									
8	1	26106-080142	BOLT, M8X 14 PLATED	2									
9	1	119803-25050	SHAFT, IDLE	1									
10	1	119802-25101	GEAR ASSY, IDLE	1									
13	1	119802-25071	BUSH, IDLE GEAR	1							1		
14	1	26106-080402	BOLT, M8X 40 PLATED	3									
15	1	129150-25301	BOLT	4									
16	1	119802-25901	GEAR, PUMP	1									

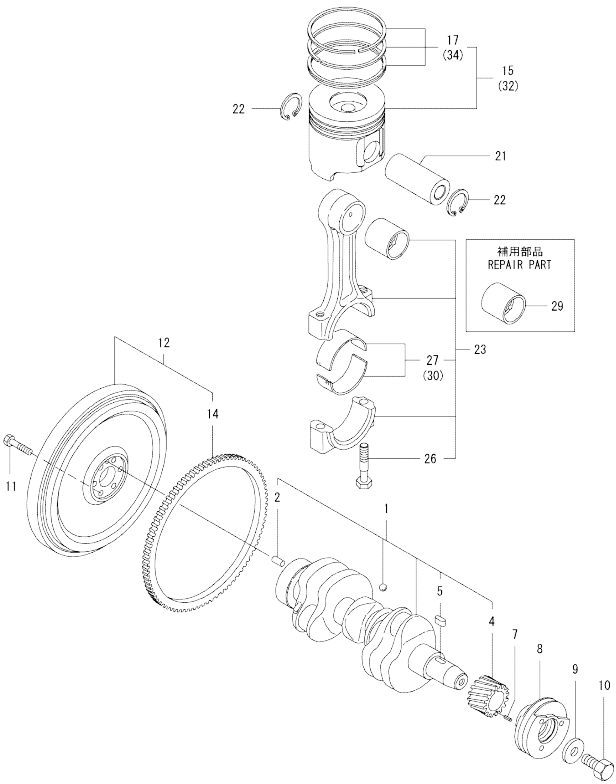
Remarks
(1)Repair part.

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

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Fig.8. CRANKSHAFT & PISTON



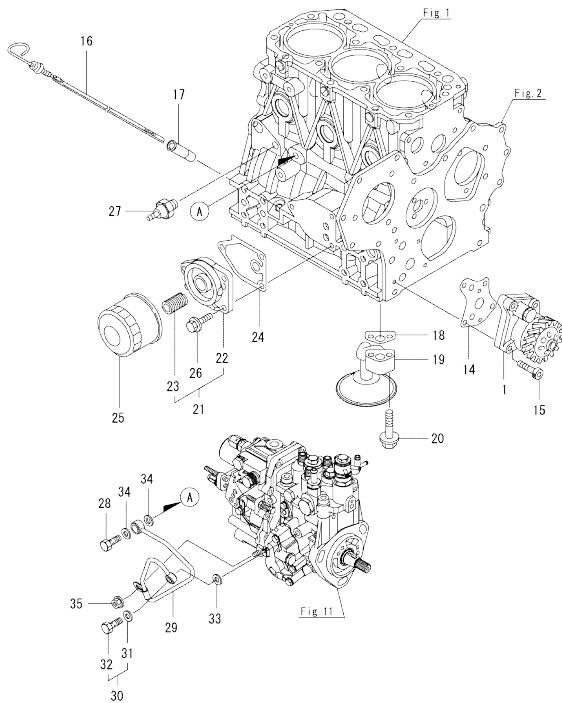
No.	Lev.	Parts No.	Description	(A)=3TNV88-BNSN (B)= (C)=						(D)= (E)= (F)=						I	R
				(A)	(B)	(C)	(D)	(E)	(F)								
1	1	129008-21000	CRANKSHAFT ASSY	1													
2	2	129100-01580	PIN, M8X16	1													
4	2	119803-21200	GEAR, CRANKSHAFT	1													
5	2	22512-070140	KEY, 7X 14	1													
7	1	22351-030010	PIN, SPRING 3.0X10	1													
8	1	129004-21650	V-PULLEY, 110	1													
9	1	129795-21661	WASHER	1													
10	1	121850-21680	BOLT	1													
11	1	121111-21501	BOLT, FLYWHEEL	6													
12	1	129128-21590	FLYWHEEL ASSY	1													
14	2	119865-21600	GEAR, RING	1													
15	1	129005-22080	PISTON ASSY	3													
17	2	129005-22500	RING SET, PISTON	3													
21	1	129202-22300	PIN, PISTON D26 L70	3													
22	1	22252-000260	RING, 26	6													
23	1	729402-23100	ROD ASSY, CONNECTING	3													
26	2	121550-23200	BOLT, CONNECTING ROD	6													
27	2	129150-23601	BEARING, CRANK PIN	3													
29	1	129100-23910	BEARING, PISTON PIN	3													1
30	1	129150-23611	BEARING, 0.25 US	3													2
32	1	129005-22900	PISTON ASSY, 0.25 OS	3													3
34	2	129005-22950	RING SET, 0.25 OS	3													3

Remarks

- (1)Repair part.
(2)Under sized(U.S.=0.25)part.
(3)Over sized(O.S.=0.25)part.

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{RIS}{YES}$ New, R:Old $\frac{YES}{YES}$ New, S:Old $\frac{RIS}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Qty Change
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Fig.9. LUB.OIL SYSTEM

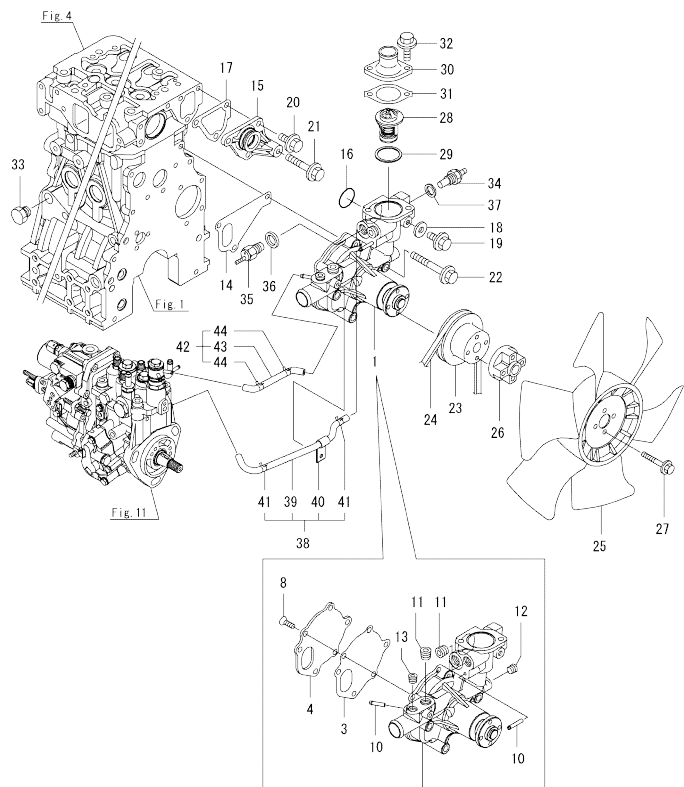


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129001-32001	PUMP ASSY, OIL	1							
14	1	129150-32020	GASKET, PUMP	1							
15	1	26450-060252	BOLT, M6X 25	4							
16	1	129004-34802	DIPSTICK, OIL	1							
17	1	121520-34810	GUIDE, DIPSTICK	1							
18	1	129150-35042	GASKET	1							
19	1	129100-35301	PIPE ASSY, OIL INLET	1							
20	1	26106-080352	BOLT, M8X 35 PLATED	2							
21	1	119802-35100	BRACKET ASSY, FILTER	1							
22	2	119802-35110	BRACKET, FILTER	1							
23	2	129100-35140	STUD	1							
24	1	129150-35111	GASKET	1							
25	1	119005-35151	FILTER, D80X100L	1							1
26	1	26106-080202	BOLT, M8X 20 PLATED	3							
27	1	114250-39450	SWITCH, 0.5KG	1							
28	1	124160-39140	BOLT, PIPE JOINT M10	1							
29	1	119802-39450	PIPE ASSY, OIL	1							
30	1	129005-59830	BOLT ASSY, JOINT M8	1							
31	2	22190-080002	WASHER, SEAL 6	1							
32	2	23857-030000	BOLT, JOINT 3	1							
33	1	22190-080002	WASHER, SEAL 6	1							
34	1	22190-100002	WASHER, SEAL 10	2							
35	1	26366-060002	NUT, M6	1							

Remarks
(1)Repair part.

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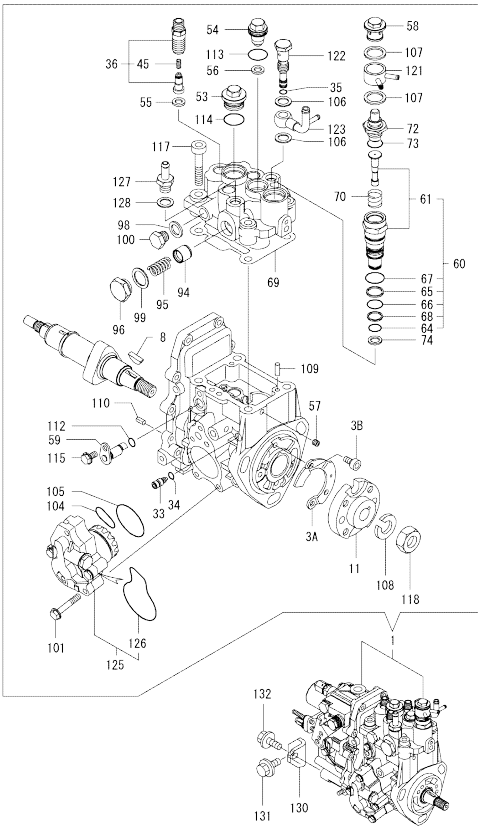
Fig.10. COOLING WATER SYSTEM



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	26577-060142	SCREW M 6X 14	3							
10	2	119802-49113	JOINT, PIPE	2							
11	2	129916-49740	PLUG, R03	2							
12	2	23876-010000	PLUG, R01	1							
13	2	23875-020000	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	129556-42350	V-PULLEY, 96	1							
24	1	25152-003700	V-BELT, A37	1							
25	1	129612-44700	FAN, COOLING	1							
26	1	171353-44760	SPACER, FAN	1							
27	1	26106-060402	BOLT, M6X 40 PLATED	4							
28	1	129155-49801	THERMOSTAT, 71	1							
29	1	129150-49811	GASKET, THERMOSTAT	1							
30	1	129350-49530-1	COVER, THERMOSTAT	1							
31	1	129795-49551	GASKET	1							
32	1	26106-080222	BOLT, M8X 22 PLATED	2							
33	1	171056-49120	PLUG, DRAIN	1							
34	1	124250-49351	SENSOR	1							
35	1	121250-44901	SWITCH, 110	1							
36	1	124465-44950	GASKET, 16	1							
37	1	129150-49360	GASKET	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							

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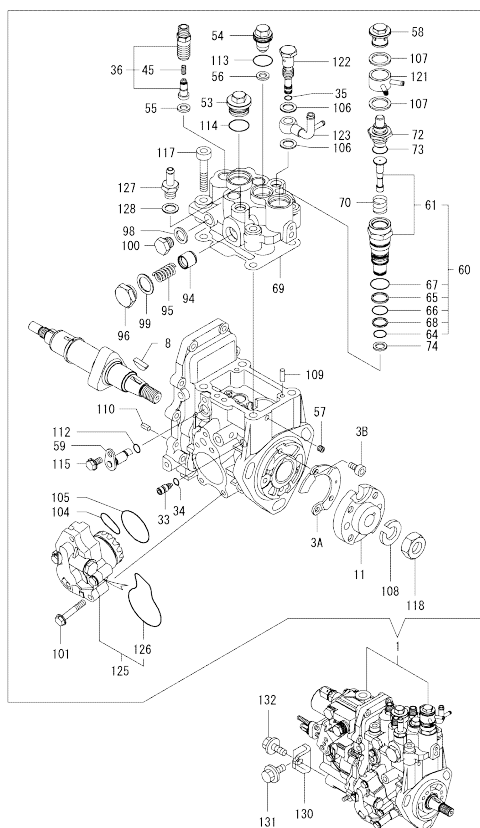
Fig.11. FUEL INJECTION PUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729236-51490	PUMP ASSY, INJECTION	1							1
3A	2	129008-51900	COVER, GEAR CASE	1							
3B	2	129008-51920	BOLT, M6X10	2							
8	2	119802-51090	KEY, 4X16	1							
11	2	158552-51151	FLANGE	1							
33	2	158600-51270	STOPPER, TAPPET	1							
34	2	158563-51281	O-RING, 4D S6	1							
35	2	158563-51281	O-RING, 4D S6	1							
36	2	129008-51390	VALVE ASSY, DELIVERY	3							
45	3	158563-51330	SPRING, DELIVERY	3							
53	2	158601-51550	PLUG	1							
54	2	119802-51560	PLUG, BARREL	1							
55	2	158552-51571	GASKET	3							
56	2	158552-51571	GASKET	1							
57	2	158557-51570	PLUG	1							
58	2	158601-51570	PLUG	1							
59	2	158552-51580	LIFTER	1							
60	2	119802-51590	TIMER SET	1							
61	3	119802-51600	TIMER ASSY	1							
64	3	158553-51670	O-RING, 1011	1							
65	3	119802-51680	RING, BACK UP	1							
66	3	119802-51690	O-RING	1							
67	3	24356-190200	O-RING, 4D19020	1							
68	3	24372-000150	RING, BACK UP T2P15	1							
69	2	158552-51600	GASKET	1							
70	2	158553-51630	SPRING, TIMER	1							
72	2	158553-51650	ELEMENT	1							
73	2	158553-51660	O-RING, P14	1							
74	2	158553-51680	GASKET	1							
94	2	158601-51770	PISTON	1							
95	2	158552-51781	SPRING	1							
96	2	158601-51790	PLUG	1							
98	2	22190-120002	WASHER, SEAL 12	1							
99	2	22190-180002	WASHER, SEAL 18	1							
100	2	158553-51930	PLUG, M12	1							
101	2	158553-51770	BOLT	4							
104	2	158552-52311	O-RING	1							
105	2	158552-52400	O-RING, 4E S42	1							
106	2	22190-120002	WASHER, SEAL 12	2							
107	2	22190-180002	WASHER, SEAL 18	2							
108	2	22217-140000	WASHER, SPRING 14	1							
109	2	22312-050140	PIN, PARALLEL M5X14	2							
110	2	22351-050010	PIN, SPRING 5.0X10	2							
112	2	24311-000070	O-RING, 1AP7.0	1							
113	2	24356-190180	O-RING, 4D19018	1							
114	2	24356-190200	O-RING, 4D19020	1							
115	2	26106-060102	BOLT, M6X 10 PLATED	1							
117	2	26450-080452	BOLT, M8X 45	4							
118	2	26776-140002	NUT, LOCK M14	1							
121	2	158553-51551	JOINT	1							
122	2	158601-51650	JOINT, OVER FLOW	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
(1)Governor Assy(Fig.12) is
incorporated in this FOP CMP.
(Ref.No.1).

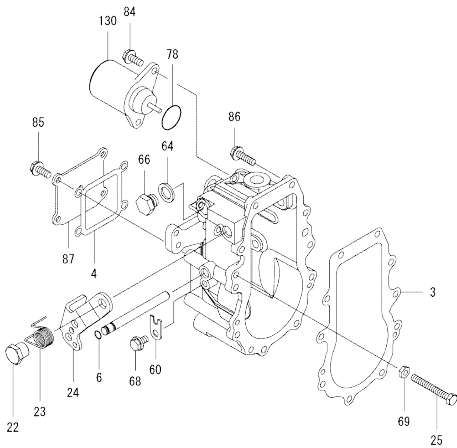


Remarks
(1) Governor Assy(Fig.12) is incorporated in this FOP CMP. (Ref.No.1).

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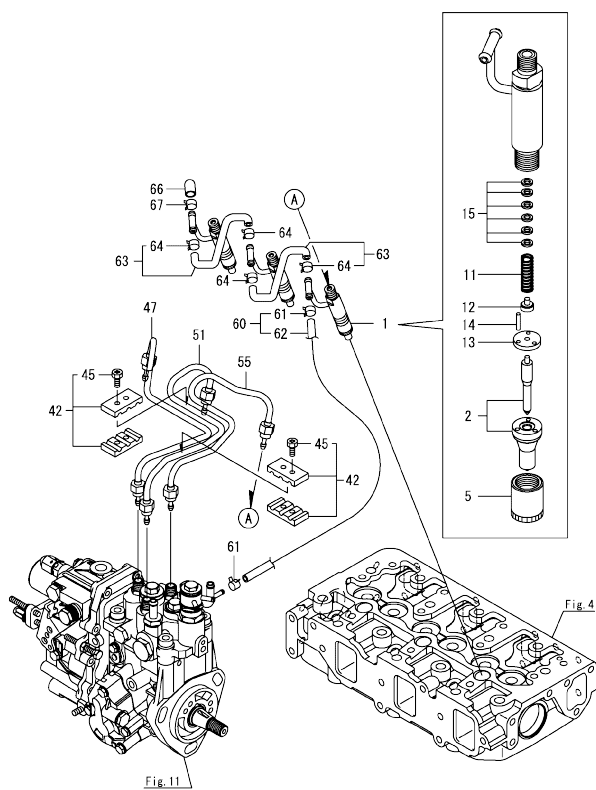
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Fig.12. GOVERNOR

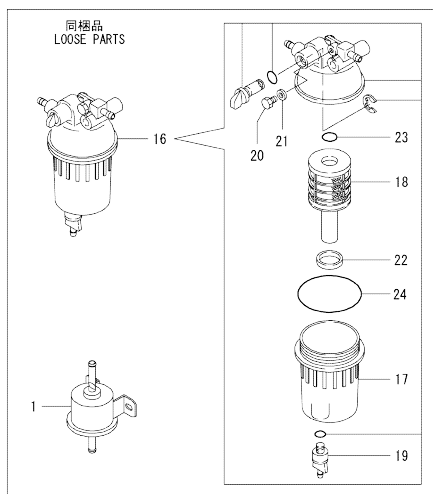


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	2	158553-61050	GASKET	1							
4	2	158553-61070	GASKET	1							
6	2	129155-51280	O-RING, S6	1							
22	2	129255-61410	NUT, LOCK	1							
23	2	119807-61420	SPRING, RETURN	1							
24	2	158552-61441	LEVER, REGULATOR	1							
25	2	129155-61460	BOLT, IDLE	1							
60	2	119660-61901	RETAINER, SHAFT	1							
64	2	22190-120002	WASHER, SEAL 12	1							
66	2	158553-51930	PLUG, M12	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							
84	2	26106-060142	BOLT, M6X 14 PLATED	2							
85	2	26106-060142	BOLT, M6X 14 PLATED	4							
86	2	26106-060202	BOLT, M6X 20 PLATED	10							
87	2	129642-61060	COVER, GOVERNOR CASE	1							
130	2	119233-77932	SOLENOID, STOP	1							

Remarks
* This figure(governor ASSY) is incorporated in the fuel injection pump ASSY(Fig.11).

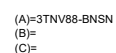


No.	Lev.	Parts No.	Description	(A)=3TNV88-BNSN (B)= (C)=						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729008-53200	VALVE ASSY,INJECTION	3							
2	2	129008-53200	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
11	2	114250-53120	SPRING, NOZZLE	3							
12	2	114250-53130	SEAT, SPRING	3							
13	2	114250-53140	PLATE	3							
14	2	114250-53210	PIN	6							
15	2	119803-53400	SHIM SET	3							
42	1	129150-59120	RETAINER, PIPE	2							
45	2	129150-59131	BOLT, M4X14	4							
47	1	129004-59811	PIPE ASSY, INJECTION	1							
51	1	129004-59821	PIPE ASSY, INJECTION	1							
55	1	129004-59831	PIPE ASSY, INJECTION	1							
60	1	119802-59550	PIPE ASSY, RETURN	1							
61	2	124722-59050	CLIP, HOSE 9	2							
62	2	119802-59560	PIPE, FUEL RETURN	1							
63	1	129486-59551	PIPE ASSY, RETURN	2							
64	2	124722-59050	CLIP, HOSE 9	4							
66	1	119593-59581	CAP	1							
67	1	124060-77680	CLIP, HOSE 10	1							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129612-52100	PUMP ASSY, FUEL FEED	1							
2	1	129004-55612	BRACKET, FILTER	1							
3	1	129907-55801	FILTER, FUEL	1							
4	1	119940-55690	SPACER	1							
5	1	26106-080252	BOLT, M8X 25 PLATED	2							
6	1	129457-59010	PIPE ASSY, FUEL	1							
7	2	124766-59050	CLIP, HOSE 12	2							
8	2	129957-59120	TUBE, CORRUGATED	1							
9	2	105025-59750	PIPE, FUEL	1							
10	1	129961-59310	PIPE ASSY, FUEL	1							
11	2	124766-59050	CLIP, HOSE 12	2							
13	2	129961-59110	TUBE, CORRUGATED	1							
14	1	121750-59890	BAND, 140	1							
15	1	26106-080302	BOLT, M8X 30 PLATED	2							
16	1	129242-55700	SEPARATOR ASSY	1							
17	2	129242-55720	CUP	1							
18	2	129242-55730	ELEMENT	1							
19	2	129242-55740	PLUG, DRAIN	1							
20	2	129242-55750	VALVE, AIR VENT	1							
21	2	129242-55760	GASKET	1							
22	2	129242-55770	FLOAT	1							
23	2	24311-000160	O-RING, 1AP16.0	1							
24	2	24321-000750	O-RING, 1AG75.0	1							

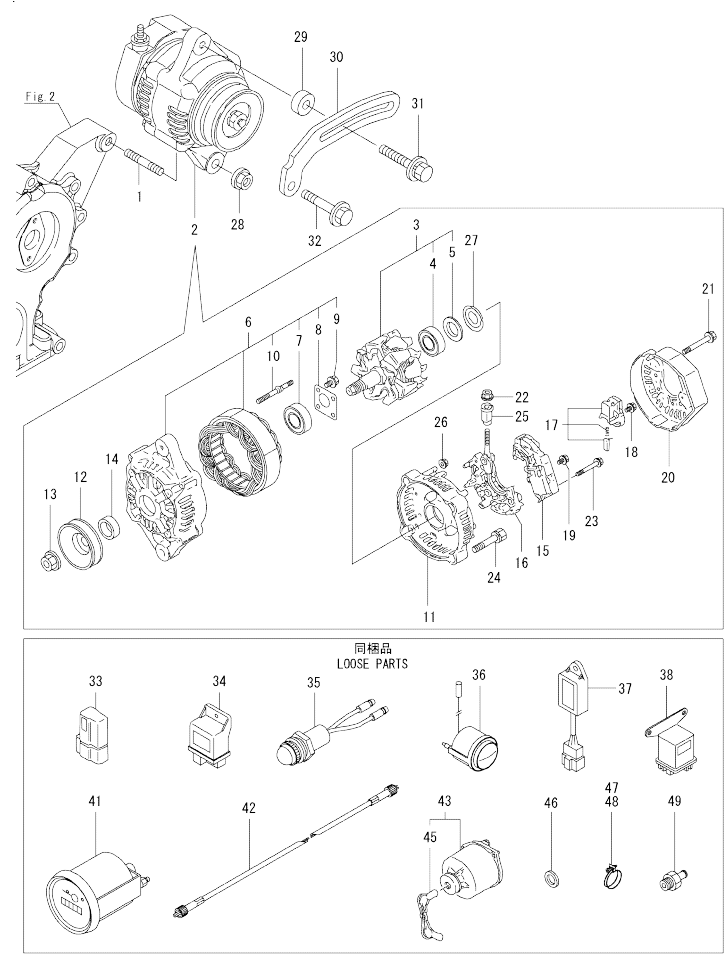
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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[illegible]

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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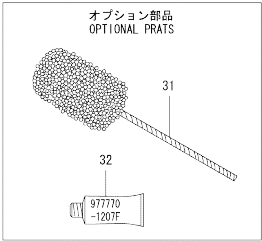
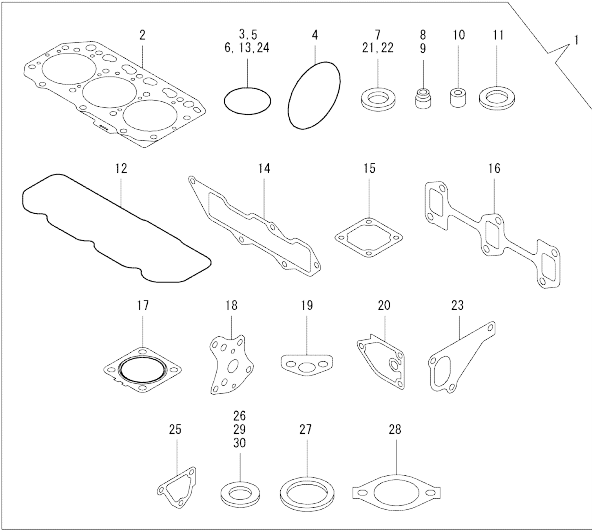
Fig.16. GENERATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129795-01900	STUD	1							
2	1	129423-77200	GENERATOR, 12V-40A	1							
3	2	119620-77380	ROTOR ASSY	1							
4	3	123501-79240	BEARING, BALL	1							
5	3	119620-79250	COVER, BEARING	1							
6	2	119620-77421	FRAME ASSY, DRIVE	1							
7	3	119620-79200	BALL BEARING	1							
8	3	119620-79210	PLATE, RETAINER	1							
9	3	119620-79220	SCREW	4							
10	3	119620-79230	STUD	2							
11	2	119620-77440	FLAME ASSY, REAR	1							
12	2	119620-77461	PULLEY	1							
13	2	119620-77471	NUT	1							
14	2	119620-77490	COLLAR	1							
15	2	129423-77710	REGULATOR ASSY	1							
16	2	119620-79260	HOLDER	1							
17	2	129052-79270	HOLDER, BRUSH	1							
18	2	119620-79290	SCREW	6							
19	2	119620-79300	SCREW	1							
20	2	129240-79300	COVER	1							
21	2	119620-79310	BOLT	3							
22	2	X9490561001	NUT	1							
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	1	26306-100002	NUT, M10	1							
29	1	119940-77270	SPACER, GENERATOR	1							
30	1	119940-77330	ADJUSTER	1							
31	1	129972-77341	BOLT, ADJUSTER L=50	1							
32	1	26106-080452	BOLT, M8X 45 PLATED	1							
33	1	119643-66900	DIODE	1							
34	1	119802-77200	RELAY, SAFETY	1							
35	1	124732-77720	LAMP, CHARGING	3							
36	1	171010-77850	THERMOSTAT	1							
37	1	129211-77920	TIMER	1							
38	1	119650-77910	RELAY ASSY, GLOW	2							
41	1	171014-91102	TACHOMETER	1							
42	1	121400-91140	SHAFT	1							
43	1	129115-91250	SWITCH ASSY	1							
45	2	129115-91270	KEY ASSY	1							
46	1	22190-220002	WASHER, SEAL 22	1							
47	1	23010-038000	CLAMP, 38	2							
48	1	23010-044000	CLAMP, 44	2							
49	1	119156-39150	JOINT	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	729005-92620	GASKET SET	1							1
2	2	129001-01340	GASKET, HEAD	1							
3	2	119609-32040	O-RING, P16	2							
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	129150-77511	GASKET	1							
16	2	129150-13110	GASKET	1							
17	2	129004-13200	GASKET, SILENCER	1							
18	2	129150-32020	GASKET, PUMP	1							
19	2	129150-35042	GASKET	1							
20	2	129150-35111	GASKET	1							
21	2	22190-080002	WASHER, SEAL 6	7							
22	2	22190-100002	WASHER, SEAL 10	2							
23	2	129486-42021	GASKET, WATER PUMP	1							
24	2	129486-42140	O-RING, G30	1							
25	2	124395-49840	GASKET	1							
26	2	23414-080000	GASKET, 8X1.0	1							
27	2	129150-49811	GASKET, THERMOSTAT	1							
28	2	129795-49551	GASKET	1							
29	2	124465-44950	GASKET, 16	2							
30	2	129150-49360	GASKET	1							
31	1	129400-92430	HONE	1							1
32	1	977770-1207F	GASKET, LIQUID	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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105025-59750	14	9
114250-39450	9	27
114250-53080	13	5
114250-53120	13	11
114250-53130	13	12
114250-53140	13	13
114250-53210	13	14
118400-77170	15	12
119005-35151	9	25
119131-18320	6	2
119156-39150	16	49
119233-77932	12	130
119593-59581	13	66
119609-32040	2	9
	17	3
119620-01750	3	3
119620-77380	16	3
119620-77421	16	6
119620-77440	16	11
119620-77461	16	12
119620-77471	16	13
119620-77490	16	14
119620-79200	16	7
119620-79210	16	8
119620-79220	16	9
119620-79230	16	10
119620-79250	16	5
119620-79260	16	16
119620-79290	16	18
119620-79300	16	19
119620-79310	16	21
119620-79320	16	23
119620-79330	16	24
119620-79340	16	25
119620-79350	16	26
119620-79360	16	27
119625-11880	4	32
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119640-01640	3	8
119643-66900	16	33
119650-77910	16	38
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119802-01561	2	5
119802-03110	4	43
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119802-03141	4	46
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119802-25071	7	13
119802-25101	7	10
119802-25901	7	16
119802-35100	9	21
119802-35110	9	22
119802-39450	9	29
119802-49113	10	10
119802-49730	10	40
119802-51090	11	8
119802-51250	11	130
119802-51560	11	54
119802-51590	11	60
119802-51600	11	61
119802-51680	11	65
119802-51690	11	66
119802-59550	13	60
119802-59560	13	62
119802-77200	16	34
119803-01520	2	4
119803-21200	8	4
119803-25050	7	9
119803-53400	13	15
119807-61420	12	23
119808-12520	5	12
119808-12540	5	14
119865-21600	8	14
119866-12541	5	15
119910-12601	5	10
119934-01800	2	3
119934-59910	11	127
119940-55690	14	4
119940-77270	16	29
119940-77330	16	30
120130-11860	4	29
120270-54410	4	34
121111-21501	8	11
121250-44901	10	35
121400-11340	4	25
	17	8
121400-91140	16	42
121520-34810	9	17
121550-23200	8	26
121750-59890	14	14
121850-21680	8	10
121850-51960	2	10
	17	4
123501-79240	16	4
123900-13610	6	5

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123900-13630	6	6
124060-01050	1	11
124060-77680	13	67
124160-01751	2	6
	4	39
124160-01910	1	12
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124160-11360	4	51
124160-39140	9	28
124195-77770	15	24
124240-01871	2	7
124250-49351	10	34
124395-49840	10	17
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126650-12680	5	17
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129001-01340	1	28
	17	2
129001-02931	1	29
129001-12110	5	4
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129001-32001	9	1
129004-03010	4	41
129004-03080	5	1
129004-11241	4	3
129004-11251	4	4
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129004-11650	4	10
129004-11900	4	33
129004-12101	5	3
129004-13129	6	1
129004-13200	6	3
	17	17
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129004-34802	9	16
129004-42001	10	1

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129004-49610	10	38
129004-49620	10	42
129004-49711	10	39
129004-49721	10	43
129004-55612	14	2
129004-59811	13	47
129004-59821	13	51
129004-59831	13	55
129005-11100	4	21
129005-22080	8	15
129005-22500	8	17
129005-22900	8	32
129005-22950	8	34
129005-59830	9	30
129008-11700	4	15
129008-21000	8	1
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