

0CB10-M77700EN

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)

1

REF.

2

LEV.

PARTS NO.

DESCRIPTION

(A)=4JH-DT
(B)=4JH-DTZ
(C)=4JH-DTZP

(D)=4JH-DTZA
(E)=4JH-DTZY
(F)=

Q'TY

3

I

5

R

REF.	LEV.	PARTS NO.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)	I	R
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 COMPEMSATOR TYPE. OPTIONAL PART, TO E00155,(4JH-DT, 4JH-DTZ

① Ref. No.

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

(Ex.) Illustration No.

List Ref No.

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

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

② Lev. (Level)

Level indication

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

1 ---- Main parts (Assembly parts)

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

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

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

③ Interchangeability Symbol

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

Symbol	Interchangeability	Contents note
N	Old $\xrightarrow{\text{Yes}}$ New No	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\xrightarrow{\text{No}}$ New Yes	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\xrightarrow{\text{Yes}}$ New Yes	New/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New No	New/ Old Parts are both not interchangeable.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable by a single part but interchangeable together with related parts.
K		Changes only for used parts quantities.

④ Effective Machine No.

When a part changes, the effective Machine No. will be indicated in the (A)-(F) column.

Product Symbol	Product No.	Product Symbol	Product No.
C	Clutch No. Compressor No.	F	Machine No. (Agricultural Equip.)
D	Drive No.	M	Machine No.
E	Engine No.		

Note 1) A date may follow the symbol. (Ex.) 1996.01

Note 2) "XXXXX" and "ZZZZZ" are for parts that could not be predicted or for engine models that could not be identified.

Note 3) (A=E00185) is the E (Engine Serial Number) for the column (A) model (in this case 4JH-DT) after the parts design change.

⑤ Remarks

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

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

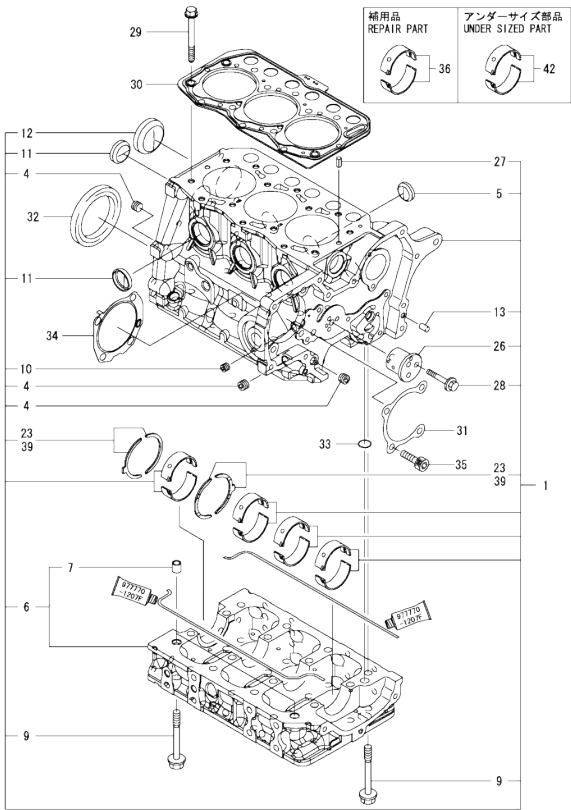
Contents

0CB10-M77700

Fig. No.	Fig. Name	Fig. No.	Fig. Name
3TNM68-HGB2B			
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2.	GEAR HOUSING		
3.	FLYWHEEL HOUSING & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	AIR CLEANER		
6.	EXHAUST MANIFOLD		
7.	CAMSHAFT & DRIVING GEAR		
8.	CRANKSHAFT & PISTON		
9.	LUB.OIL SYSTEM		
10.	COOLING WATER SYSTEM		
11.	FUEL INJECTION PUMP		
12.	GOVERNOR		
13.	FUEL INJECTION VALVE		
14.	FUEL LINE		
15.	STARTING MOTOR		
16.	GENERATOR		
17.	GASKET SET & TOOLS		

OCB10-M77700 3TNM68-HGB2B

Fig.1. CYLINDER BLOCK



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

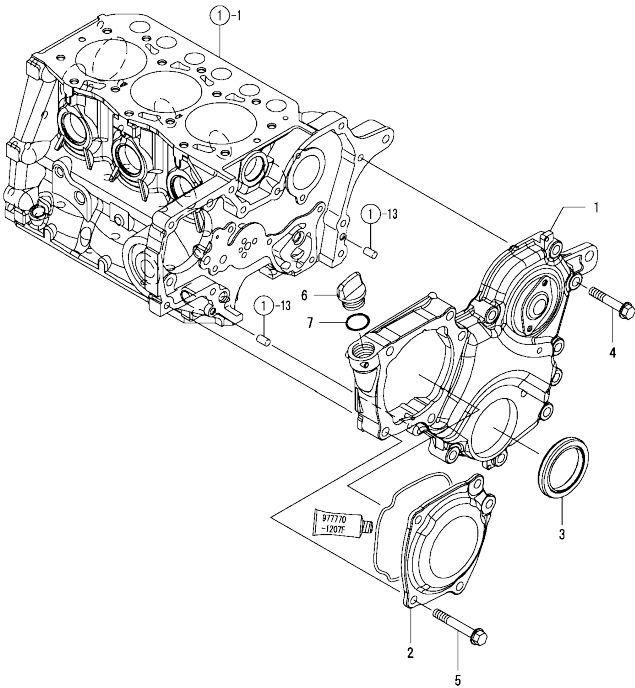
OCB10-M77700 Fig.1

(A)=3TNM68-HGB2B
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119127-01560	BLOCK ASSY, CYLINDER	1							
4	2	124060-01050	PLUG, PT1/8	3							
5	2	119125-01970	PLUG, 25	3							
6	2	119125-02000	FRAME ASSY, PIPE	1							
7	3	119125-01960	PIPE, KNOCK	2							
9	2	119125-02061	BOLT, METAL CAP	16							
10	2	23876-005000	PLUG, R005	1							
11	2	27241-300000	PLUG 30	4							
12	2	27241-450000	PLUG, 45	1							
13	2	119620-01620	PIN, M6X10	2							
23	2	119125-02930	BEARING, THRUST	2							
26	2	119125-25050	SHAFT, IDLE GEAR	1							
27	2	22351-060012	PIN, SPRING 6.0X12	2							
28	2	26106-060402	BOLT, M6X 40 PLATED	3							
29	1	119266-01200	BOLT, HEAD	14							
30	1	119125-01330	GASKET, HEAD	1							
31	1	119125-01790	GASKET	1							
32	1	119734-02220	SEAL, OIL	1							
33	1	129900-32040	O-RING, P14	1							
34	1	119125-51800	GASKET	1							
35	1	26450-080252	BOLT, M8X 25	4							
36	1	119125-02900	BEARING, MAIN	4							1
39	1	119125-02940	BEARING, THRUST 0.25	2							2
42	1	119125-02910	BEARING, 0.25 US	4							3

OCB10-M77700 3TNM68-HGB2B

Fig.2. GEAR HOUSING



OCB10-M77700 Fig.2

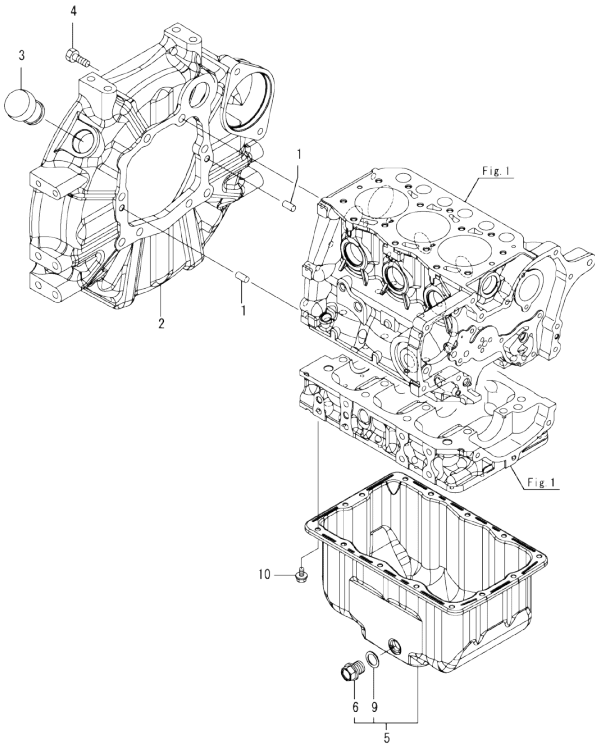
(A)=3TNM68-HGB2B
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119125-01500	COVER, GEAR CASE	1							
2	1	119125-01750	COVER	1							
3	1	119717-01800	SEAL, OIL	1							
4	1	26106-080352	BOLT, M8X 35 PLATED	8							
5	1	26106-080452	BOLT, M8X 45 PLATED	5							
6	1	106760-01770	CAP	1							
7	1	24311-000180	O-RING, 1AP18.0	1							

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Fig.3. FLYWHEEL HOUSING & OIL SUMP



Remarks
(1)Interchangeable by simultaneous replacement with Fig.15 No.1-1.

0CB10-M77700 Fig.3

(A)=3TNM68-HGB2B
(B)=
(C)=

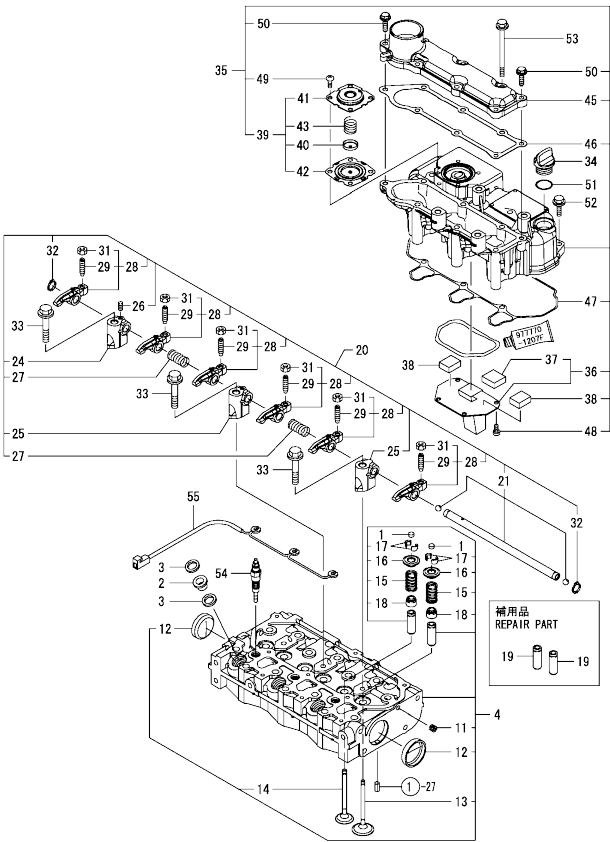
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, PARALLEL 8X16	2							
2	1	119128-01620	HOUSING, FLYWHEEL	1							
2-1	1	119128-01650	HOUSING, FLYWHEEL	1						F	1
(A=E023754)											
3	1	119620-01750	CAP, WHEEL COVER	1							
4	1	26206-100252	BOLT, M10X 25 PLATED	8							
5	1	119125-01760	OIL PAN ASSY	1							
6	2	105425-01690	PLUG, DRAIN M16	1							
9	2	22190-160002	WASHER, SEAL 16	1							
10	1	119125-01780	BOLT, TORX M6X10	14							

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{R/O}{YES}$ New, R:Old $\frac{YES}{YES}$ New, S:Old $\frac{R/O}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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OCB10-M77700 3TNM68-HGB2B

Fig.4. CYLINDER HEAD & BONNET



Remarks
(1)REPAIR PART.

OCB10-M77700 Fig.4

(A)=3TNM68-HGB2B
(B)=
(C)=

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

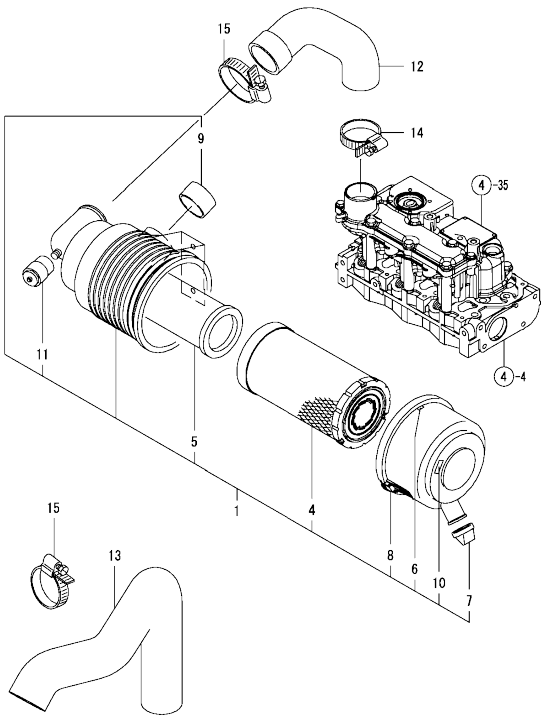
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119260-11370	CAP. VALVE	6							
2	1	129901-11450	PROTECTOR, NOZZLE	3							
3	1	119600-11460	GASKET, NOZZLE	6							
4	1	119125-11740	HEAD ASSY, CYLINDER	1							
11	2	23876-005000	PLUG, R005	1							
12	2	27241-350000	PLUG, 35	2							
13	2	119125-11100	VALVE, INTAKE	3							
14	2	119125-11110	VALVE, EXHAUST	3							
15	2	119125-11130	SPRING, VALVE	6							
16	2	119125-11180	RETAINER, SPRING	6							
17	2	119125-11190	COTTER	12							
18	2	119125-11340	SEAL, VALVE STEM	6							
19	1	119125-11800	GUIDE, VALVE	6							1
20	1	119125-11200	SUPPORT ASSY, ARM	1							
21	2	119125-11240	SHAFT ASSY, ROCKER	1							
24	2	119125-11260	SUPPORT, ROCKER ARM	1							
25	2	119125-11270	SUPPORT, ROCKER ARM	2							
26	2	119260-11270	SCREW	1							
27	2	119260-11280	SPRING	2							
28	2	119125-11650	ARM, ROCKER	6							
29	3	105010-11230	SCREW, VALVE ADJUST	6							
31	3	26856-060002	NUT, M6	6							
32	2	22242-000100	RING, 10	2							
33	1	26106-080452	BOLT, M8X 45 PLATED	3							
34	1	106760-01770	CAP	1							
35	1	119125-11380	BONNET ASSY, HEAD	1							
36	2	119717-03031	PLATE	1							
37	3	119717-03070	BAFFLE, BREATHER	1							
38	2	119717-03070	BAFFLE, BREATHER	2							
39	2	119802-03100	DIAPHRAGM ASSY	1							
40	3	119802-03110	PLATE	1							
41	3	119802-03121	COVER, DIAPHRAGM	1							
42	3	119802-03131	DIAPHRAGM	1							
43	3	119802-03141	SPRING, DIAPHRAGM	1							
45	2	119125-11320	COVER, BONNET	1							
46	2	119125-11330	GASKET	1							
47	2	119125-11370	GASKET, BONNET	1							
48	2	22857-500100	SCREW, 5X10	4							
49	2	22857-500100	SCREW, 5X10	4							
50	2	26476-060202	SCREW, TAPPING M6X20	2							
51	1	24311-000180	O-RING, 1AP18.0	1							
52	1	26106-060202	BOLT, M6X 20 PLATED	3							
53	1	26106-060802	BOLT, M6X 80 PLATED	6							
54	1	119125-77800	PLUG, GLOW	3							
55	1	119125-77820	CONNECTOR, GLOW PLUG	1							

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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OCB10-M77700 3TNM68-HGB2B

Fig.5. AIR CLEANER

同梱品
PACKAGED PART



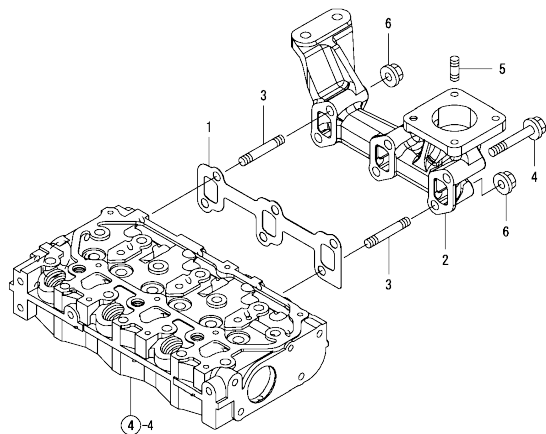
OCB10-M77700 Fig.5

(A)=3TNV76-HGB2B
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119746-12500	CLEANER ASSY, AIR	1							
4	2	129004-12520	ELEMENT	1							
5	2	129051-12530	ELEMENT	1							
6	2	129418-12530	LABEL, MARK	2							
7	2	119808-12540	VALVE, UNLOADER	1							
8	2	119866-12541	COVER ASSY	1							
9	2	129259-12570	RING	1							
10	2	129612-12650	LABEL, MARKING	1							
11	2	126650-12680	INDICATOR	1							
12	1	119128-12620	PIPE, AIR INTAKE	1							
13	1	119128-12630	PIPE, AIR INTAKE	1							
14	1	23000-054000	CLAMP, 54	1							
15	1	23000-060000	CLAMP, 60	2							

Fig.6. EXHAUST MANIFOLD



(A)=3TNM68-HGB2B
(B)=
(C)=

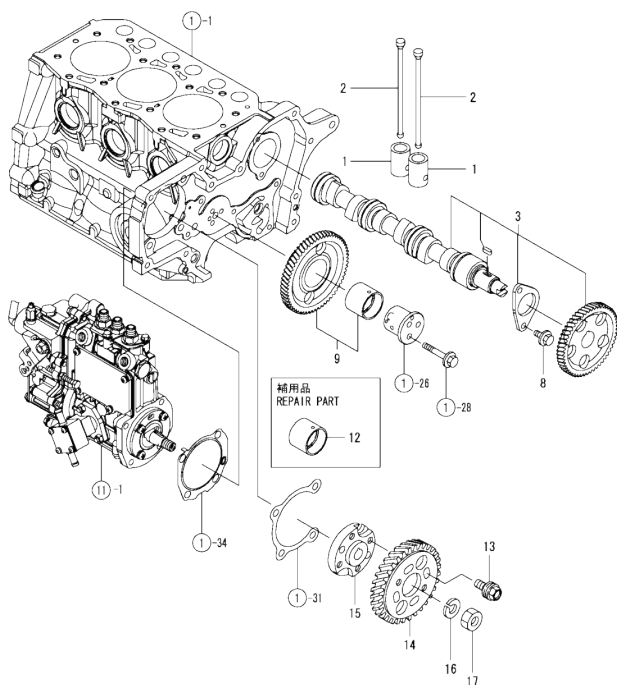
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119125-13110	GASKET	1							
2	1	119125-13140	MANIFOLD, EXHAUST	1							
3	1	1191717-13600	STUD, M8X50	2							
4	1	119802-13620	BOLT, M8X50	4							
5	1	119131-18320	STUD, M8X22	4							
6	1	26306-080002	NUT, M8	2							
7	1	119515-13200	GASKET, SILENCER	1							
8	1	129004-13200	GASKET, SILENCER	2							
9	1	129930-13201	GASKET, SILENCER	2							
10	1	129601-13500	SILENCER	1							

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

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Fig.7. CAMSHAFT & DRIVING GEAR



(1)REPAIR PART.

(A)=3TNM68-HGB2B
(B)=
(C)=

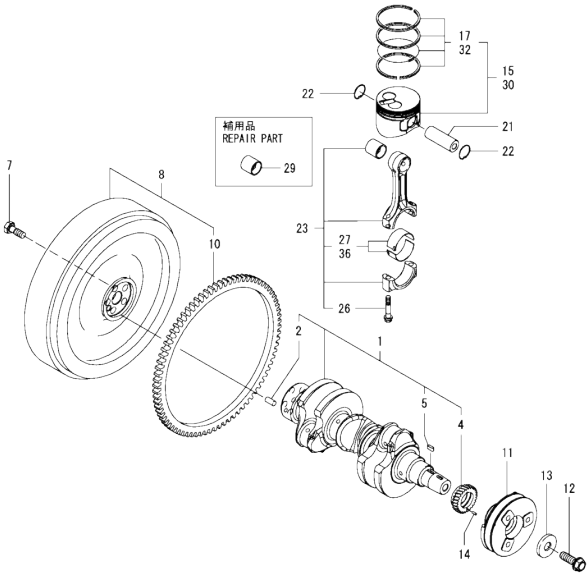
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119260-14200	TAPPET	6							
2	1	119260-14400	ROD, PUSH	6							
3	1	119125-14580	CAMSHAFT ASSY	1							
8	1	26106-060122	BOLT, M6X 12 PLATED	2							
9	1	119125-25100	GEAR ASSY, IDLE	1							
12	1	119125-25910	BUSH, IDLE GEAR	1							1
13	1	129150-25301	BOLT	4							
14	1	119125-25930	GEAR, PUMP	1							
15	1	119717-51150	FLANGE	1							
16	1	22217-120000	WASHER, SPRING 12	1							
17	1	26716-120002	NUT, M12	1							

N:Old ^{Yes}/_{No} New. Q:Old ^{No}/_{Yes} New. R:Old ^{Yes}/_{Yes} New. S:Old ^{No}/_{No} New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

OCB10-M77700 3TNM68-HGB2B

Fig.8. CRANKSHAFT & PISTON



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

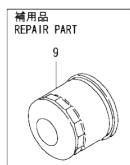
OCB10-M77700 Fig.8

(A)=3TNM68-HGB2B
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119125-21700	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	119125-21200	GEAR, CRANKSHAFT	1							
5	2	22512-040120	KEY, 4X 12	1							
7	1	121111-21501	BOLT, FLYWHEEL	5							
8	1	119128-21570	FLYWHEEL ASSY	1							
10	2	119865-21600	GEAR, RING	1							
11	1	119125-21650	V-PULLEY	1							
12	1	119621-21680	BOLT, FLANGE 12X1.25	1							
13	1	119620-21941	WASHER	1							
14	1	22351-030010	PIN, SPRING 3.0X10	1							
15	1	119125-22080	PISTON ASSY	3							
17	2	119125-22500	RING SET, PISTON	3							
21	1	119125-22300	PIN, PISTON	3							
22	1	22252-000200	RING, 20	6							
23	1	119125-23000	ROD ASSY, CONNECTING	3							
26	2	119717-23200	BOLT, CONNECTING ROD	6							
27	2	119515-23601	BEARING, CRANK PIN	3							
29	1	119260-23910	BEARING, PISTON PIN	3							1
30	1	119125-22900	PISTON ASSY, 0.25 OS	3							2
32	2	119125-22550	RING SET, 0.25 OS	3							2
36	1	119515-23611	METAL ASSY, 0.25	3							3

Fig.9. LUB.OIL SYSTEM



Remarks
(1)REPAIR PART.

(D)=
(E)=

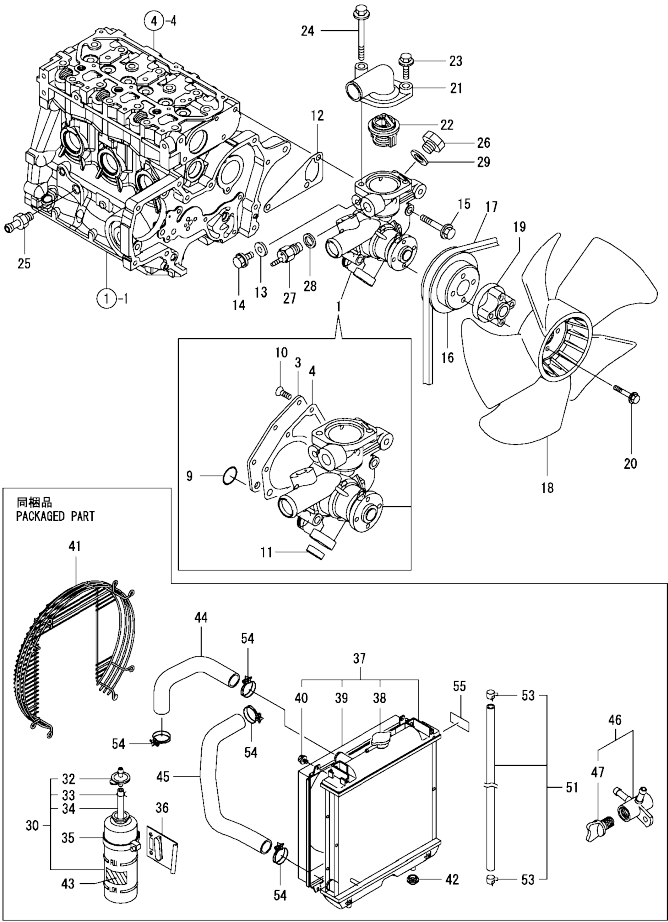
(A)=3TNM68-HGB2B
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119125-32000	PUMP ASSY, OIL	1							
2	1	26106-060142	BOLT, M6X 14 PLATED	3							
3	1	26106-060102	BOLT, M6X 10 PLATED	2							
4	1	114250-39450	SWITCH, 0.5KG	1							
5	1	119125-34820	DIPSTICK, OIL	1							
6	2	119125-34900	O-RING	1							
7	1	119125-34810	GUIDE, DIPSTICK	1							
8	1	129100-35140	STUD	1							
9	1	119305-35151	FILTER ASSY, D68XL65	1							1
10	1	119209-35030	O-RING, P11	1							
11	1	119128-35080	PIPE ASSY, OIL INLET	1							
12	1	26106-060102	BOLT, M6X 10 PLATED	2							
13	1	119125-39200	COVER	1							
14	1	119125-39220	GASKET	1							

N:Old ^{Yes}/_{No} New. Q:Old ^{No}/_{Yes} New. R:Old ^{Yes}/_{Yes} New. S:Old ^{No}/_{No} New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

Fig.10. COOLING WATER SYSTEM

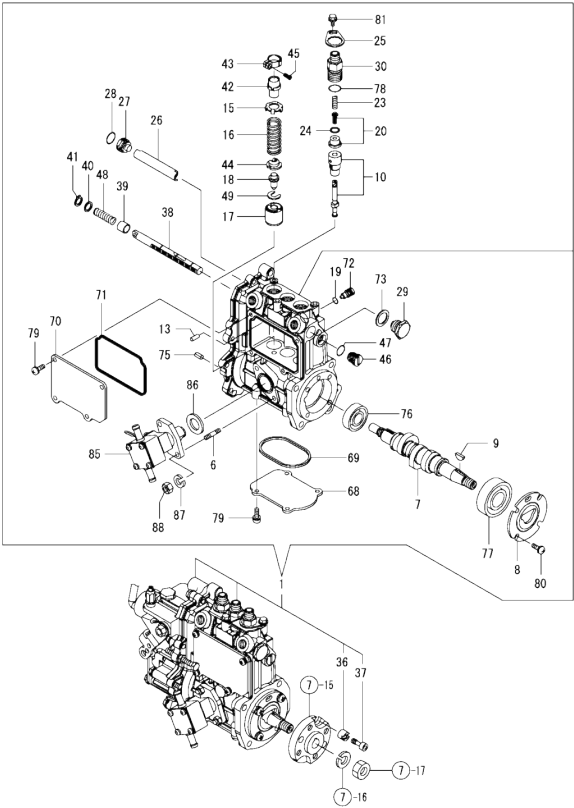


(A)=3TNM68-HGB2B
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119125-42000	PUMP ASSY, WATER	1							
3	2	119125-42020	COVER	1							
4	2	119125-42030	GASKET, WATER PUMP	1							
9	2	119209-42320	O-RING, P21 EPDM	1							
10	2	26577-060122	SCREW, M6X12	4							
11	2	27241-220000	PLUG, 22	1							
12	1	119260-42021	GASKET, WATER PUMP	1							
13	1	23414-080000	GASKET, 8X1.0	1							
14	1	26106-080122	BOLT, M8X 12 PLATED	1							
15	1	26106-080452	BOLT, M8X 45 PLATED	3							
16	1	119515-42350	V-PULLEY, D=110	1							
17	1	25132-003500	V-BELT, A35	1							
18	1	119265-44740	FAN, D=310X5F	1							
19	1	129457-44760	SPACER, FAN	1							
20	1	26106-060452	BOLT, M6X 45 PLATED	4							
21	1	124101-49531	COVER, THERMOSTAT	1							
22	1	119717-49800	THERMOSTAT, 71	1							
23	1	26106-080252	BOLT, M8X 25 PLATED	1							
24	1	26106-080652	BOLT, M8X 65 PLATED	1							
25	1	121550-49111	JOINT, PT1/4	1							
26	1	121450-42450	PLUG, M16	1							
27	1	121250-44901	SWITCH, 110	1							
28	1	124465-44950	GASKET, 16	1							
29	1	124465-44950	GASKET, 16	1							
30	1	124450-44510	TANK ASSY, SUB	1							
32	2	124450-44530	CAP	1							
33	2	124450-44560	RETAINER	1							
34	2	23061-070230	PIPE, 7X 230	1							
35	1	124450-44550	BAND	1							
36	1	121256-44600-3	BRACKET	1							
37	1	119515-44560	RADIATOR	1							
38	2	129107-44590	CAP, RADIATOR	1							
39	2	119515-44600	SHROUD	1							
40	2	26014-060122	BOLT, M6X 12	4							
41	1	119802-44560	GUARD	1							
42	1	119255-44660	ABSORBER	2							
43	1	124764-44810	LABEL, SUB TANK	1							
44	1	119128-49050	PIPE, WATER	1							
45	1	119128-49060	PIPE, WATER	1							
46	1	129150-49100	COCK ASSY, 3-WAY	1							
47	2	129150-49080	COCK, DRAIN	1							
51	1	129210-49280	PIPE ASSY, DRAIN	1							
53	2	124766-59050	CLIP, HOSE 12	2							
54	1	23010-038000	CLAMP, 38	4							
55	1	172437-03391	LABEL, RADIATOR	1							

Fig.11. FUEL INJECTION PUMP



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

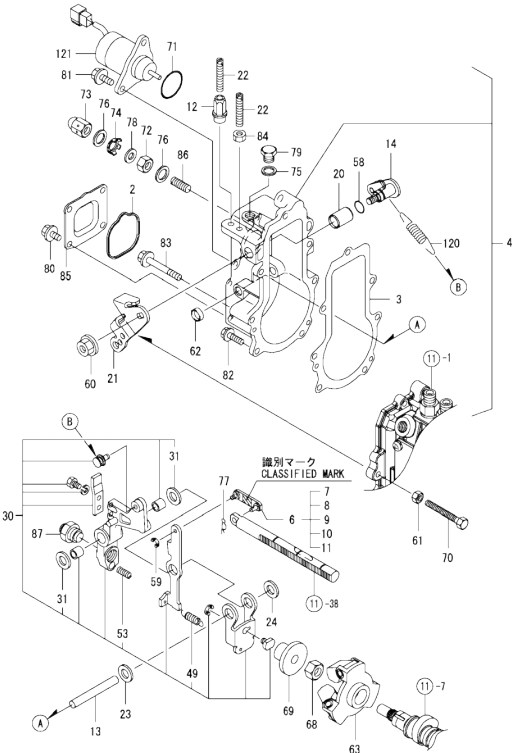
(A)=3TNM68-HGB2B
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719128-51300	PUMP ASSY, INJECTION	1							1
6	2	129155-51020	STUD	2							
7	2	119125-51030	CAMSHAFT	1							
8	2	119125-51060	RETAINER, BEARING	1							
9	2	122710-51090	KEY	1							
10	2	119125-51100	PLUNGER ASSY	3							
13	2	129155-51140	PIN	3							
15	2	158600-51170	RETAINER, SPRING	3							
16	2	119717-51190	SPRING, PLUNGER	3							
17	2	119125-51241	TAPPET	3							
18	2	119125-51250	GUIDE, TAPPET	3							
19	2	129155-51280	O-RING, S6	1							
20	2	119125-51300	VALVE ASSY, DELIVERY	3							
23	2	128990-51330	SPRING, DELIVERY	3							
24	2	124550-51350	GASKET, DELIVERY	3							
25	2	118400-51370	LOCKING	3							
26	2	129155-51400	DEFLECTOR	1							
27	2	158600-51410	PLUG, DEFLECTOR	1							
28	2	119717-51420	O-RING	1							
29	2	158600-51420	PLUG, DEFLECTOR	1							
30	2	158600-51442	VALVE ASSY, DELIVERY	3							
36	2	119125-51480	COLLAR	1							
37	2	119125-51490	BOLT	1							
38	2	119717-51500	RACK, CONTROL	1							
39	2	129155-51521	BUSH, RACK	1							
40	2	129155-51530	SPACER	1							
41	2	129155-51540	CIRCLIP	1							
42	2	129155-51550	PINION, CONTROL	3							
43	2	129100-51560	PINION	3							
44	2	119717-51570	RETAINER, SPRING	3							
45	2	129100-51570	SCREW	3							
46	2	158600-51570	PLUG	1							
47	2	129155-51580	O-RING	1							
48	2	129155-51591	SPRING, RACK	1							
49	2	129155-51600	SHIM SET, ADJUSTING	3							
68	2	119125-51700	COVER	1							
69	2	119717-51711	GASKET	1							
70	2	119717-51750	COVER	1							
71	2	119717-51761	GASKET	1							
72	2	158600-51790	STOOPER, RACK	1							
73	2	22190-160002	WASHER, SEAL 16	1							
75	2	22351-050010	PIN, SPRING 5.0X10	2							
76	2	24101-060034	BEARING, BALL 6003	1							
77	2	24101-063034	BEARING, BALL 6303	1							
78	2	24316-000150	O-RING, 4DP15.0	3							
79	2	26022-050122	SCREW, M5X12	8							
80	2	26022-060162	SCREW, M6X16	4							
81	2	26106-050102	BOLT, M5X 10 PLATED	3							
85	2	119125-52000	PUMP ASSY, FUEL FEED	1							
86	2	129155-52051	GASKET	1							
87	2	22217-060000	WASHER, SPRING 6	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
++ CONTINUE ++
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Fig.12. GOVERNOR



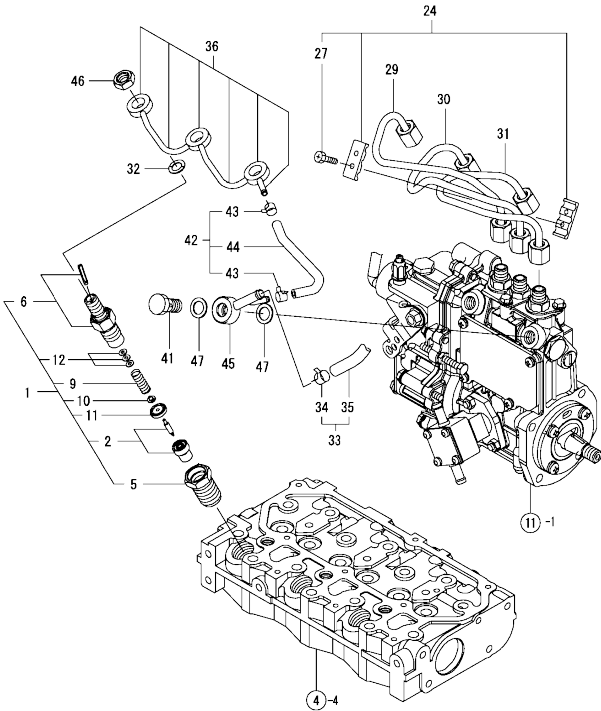
Remarks
(1)SELECTIVE PARTS:CERTAIN THE CLASSIFICATION MARK,THEN PLACE YOUR ORDER.(REF TO ILLUSTRATION).
* THIS FIGURE(GOVERNOR ASSY)IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY(FIG.11).

(A)=3TNM68-HGB2B
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	119717-61070	GASKET	1							
3	2	119717-61050	GASKET	1							
4	2	119128-61200	CASE ASSY, GOVERNOR	1							
6	3	119125-61110	LINK ASSY	1							
7	4	119125-61120	LINK, MARK 93	1							1
8	4	119125-61130	LINK, MARK 98	1							1
9	4	119125-61140	LINK, MARK 88	1							1
10	4	119125-61150	LINK, MARK 00	1							1
11	4	119125-61160	LINK, MARK 03	1							1
12	3	129209-61370	NUT, M6	1							
13	3	119125-61390	SHAFT	1							
14	3	119125-61401	SHAFT ASSY	1							
20	3	119125-61430	BUSH	1							
21	3	119546-61440	LEVER, CONTROL	1							
22	3	129155-61450	BOLT, LIMITER	2							
23	3	129156-61460	SHIM, T=0.6	1							
24	3	129155-61480	SPACER ASSY	1							
30	3	119025-61501	LEVER ASSY, GOVERNOR	1							
31	4	174307-51700	SHIM SET	2							
49	4	129486-61540	SPRING, SET	1							
53	4	129100-61650	SPRING, CONTROLLER	1							
58	3	129155-61830	O-RING, S10	1							
59	3	22272-000030	RING, E- 3	1							
60	3	26366-080002	NUT, M8	1							
61	2	26756-060002	NUT, LOCK M6	1							
62	3	27260-120000	PLUG, 12	1							
63	2	119125-61201	WEIGHT ASSY,GOVERNOR	1							
68	2	129008-61301	NUT	1							
69	2	129155-61341	SLEEVE	1							
70	2	129155-61460	BOLT, IDLE	1							
71	2	158552-61900	O-RING	1							
72	2	129209-61920	NUT, ARB	1							
73	2	129209-61930	NUT, CAP	1							
74	2	129209-61970	PLATE	1							
75	2	22190-100002	WASHER, SEAL 10	1							
76	2	22190-120002	WASHER, SEAL 12	2							
77	2	22372-040000	PIN, SNAP 4	1							
78	2	23414-120016	GASKET, 12X1.0	1							
79	2	23887-100002	PLUG, 10	1							
80	2	26106-060102	BOLT, M6X 10 PLATED	4							
81	2	26106-060142	BOLT, M6X 14 PLATED	2							
82	2	26106-060202	BOLT, M6X 20 PLATED	4							
83	2	26106-060452	BOLT, M6X 45 PLATED	3							
84	2	26756-060002	NUT, LOCK M6	1							
85	2	119717-61060	COVER, GOVERNOR CASE	1							
86	2	120323-61470	BOLT, CONTROL	1							
87	2	119761-61560	ANGLEICH ASSY	1							
120	2	129573-61700	SPRING, GOVERNOR	1							
121	2	119653-77950	SOLENOID, STOP	1							

Fig.13. FUEL INJECTION VALVE

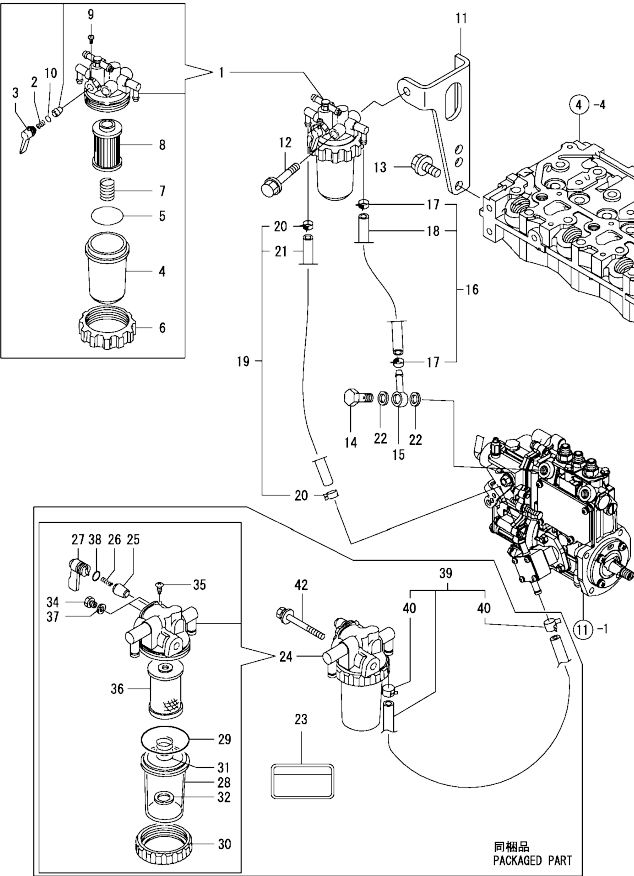


(A)=3TNM68-HGB2B
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719125-53100	VALVE ASSY,INJECTION	3							
2	2	119125-53001	VALVE ASSY,INJECTION	3							
5	2	119125-53080	NUT, NOZZLE	3							
6	2	119125-53100	HOLDER ASSY, NOZZLE	3							
9	2	119125-53120	SPRING, NOZZLE	3							
10	2	119125-53130	SEAT, SPRING	3							
11	2	119125-53140	SPACER, VALVE STOP	3							
12	2	114250-53400	SHIM SET	3							
24	1	129150-59120	RETAINER, PIPE	1							
27	2	129150-59131	BOLT, M4X14	2							
29	1	119125-59810	PIPE, FUEL INJECTION	1							
30	1	119125-59820	PIPE, FUEL INJECTION	1							
31	1	119125-59830	PIPE, FUEL INJECTION	1							
32	1	129901-59560	GASKET	3							
33	1	129210-59140	PIPE ASSY, FUEL	1							
34	2	124766-59050	CLIP, HOSE 12	2							
35	2	105230-59510	PIPE, FUEL	1							
36	1	119125-59540	PIPE ASSY, RETURN	1							
41	1	119125-59560	BOLT, PIPE JOINT	1							
42	1	119125-59570	PIPE ASSY, RETURN	1							
43	2	124066-59100	CLIP, HOSE 8	2							
44	2	119000-59550	PIPE, FUEL RETURN	1							
45	1	119840-59570	JOINT	1							
46	1	119620-59700	NUT, NOZZLE	3							
47	1	22190-120002	WASHER, SEAL 12	2							

Fig.14. FUEL LINE

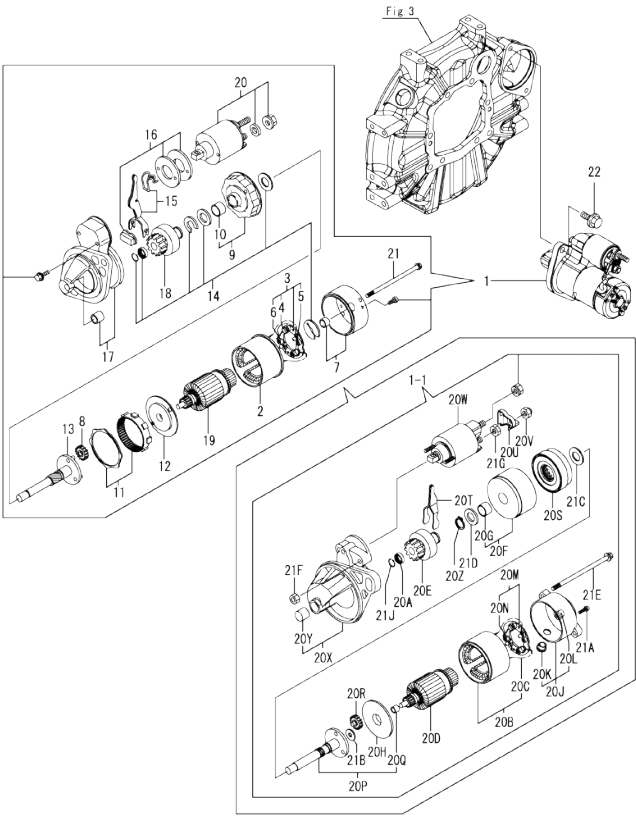


(A)=3TNM68-HGB2B
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119833-55620	FILTER ASSY, FUEL	1							
2	2	104200-55330	SPRING, VALVE	1							
3	2	119810-55340	LEVER	1							
4	2	121254-55510	COVER	1							
5	2	102103-55520	O-RING	1							
6	2	110250-55610	RING, RETAINING	1							
7	2	121250-55620	SPRING	1							
8	2	119810-55650	ELEMENT	1							
9	2	104200-55750	SCREW, M4	1							
10	2	24311-240100	O-RING, 1AP10A	1							
11	1	119125-55650	BRACKET	1							
12	1	26014-080702	BOLT, M8X 70	1							
13	1	26106-080162	BOLT, M8X 16 PLATED	2							
14	1	103854-39140	BOLT, PIPE JOINT	1							
15	1	101304-59020	JOINT, PIPE 12	1							
16	1	129210-59230	PIPE ASSY, FUEL	1							
17	2	124766-59050	CLIP, HOSE 12	2							
18	2	129555-59511	PIPE, FUEL	1							
19	1	129210-59140	PIPE ASSY, FUEL	1							
20	2	124766-59050	CLIP, HOSE 12	2							
21	2	105230-59510	PIPE, FUEL	1							
22	1	22190-120002	WASHER, SEAL 12	2							
23	1	114110-07760	LABEL, FUEL CAUTION	1							
24	1	129335-55700	SEPARATOR ASSY, WATER	1							
25	2	104200-55321	VALVE, TAPER	1							
26	2	104200-55330	SPRING, VALVE	1							
27	2	104200-55341	HANDLE	1							
28	2	124064-55510	COVER	1							
29	2	102103-55520	O-RING	1							
30	2	110250-55610	RING, RETAINING	1							
31	2	121257-55720	SPRING	1							
32	2	121257-55731	FLOAT	1							
34	2	101720-55750	PLUG, 6	2							
35	2	104200-55750	SCREW, M4	1							
36	2	171081-55910	SCREEN	1							
37	2	23418-060000	GASKET, 6X1.0	2							
38	2	24311-240100	O-RING, 1AP10A	1							
39	1	129210-59140	PIPE ASSY, FUEL	1							
40	2	124766-59050	CLIP, HOSE 12	2							
42	1	26014-080702	BOLT, M8X 70	1							

0CB10-M77700 3TNM68-HGB2B
Fig.15. STARTING MOTOR



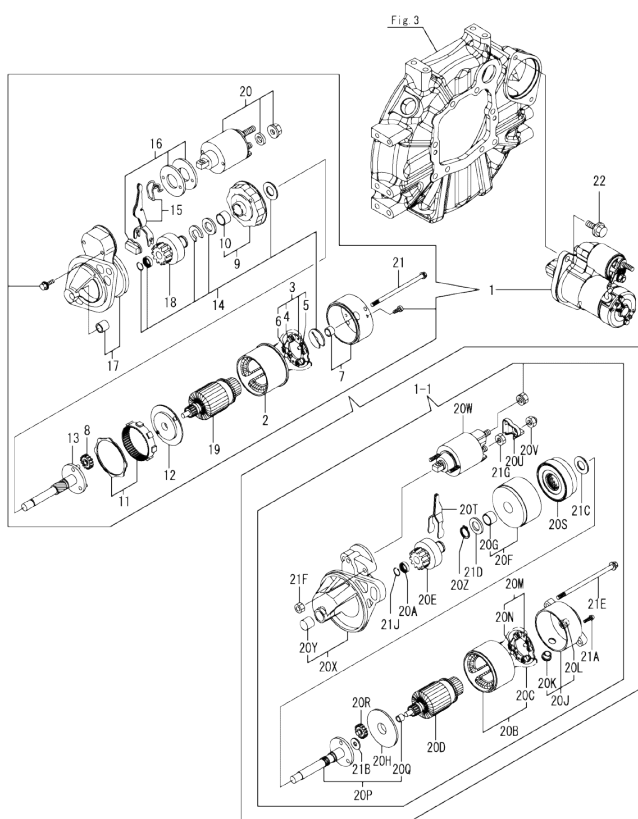
Remarks
(1)Interchangeable by simultaneous replacement with Fig.3 No.2-1.

										0CB10-M77700 Fig.15	
										(A)=3TNM68-HGB2B (D)= (E)= (F)=	
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119125-77010	STARTER ASSY, 1.2KW	1							
1-1	1	119515-77010 (A=E023754)	STARTER, P1.0	1						F	1
2	2	129698-77110 (A=E023754)	YOKE ASSY	1						Z	
3	2	129698-77120 (A=E023754)	HOLDER ASSY, BRUSH	1						Z	
4	3	129698-77130 (A=E023754)	BRUSH	2						Z	
5	3	129698-77140 (A=E023754)	BRUSH SET	1						Z	
6	3	129698-77150 (A=E023754)	SPRING, BRUSH	4						Z	
7	2	129698-77161 (A=E023754)	COVER ASSY, STARTER	1						Z	
8	2	119125-77170 (A=E023754)	GEAR, PLANETARY	3						Z	
9	2	129698-77180 (A=E023754)	BRACKET, CENTER P	1						Z	
10	3	129698-77190 (A=E023754)	BRACKET, CENTER	1						Z	
11	2	119125-77200 (A=E023754)	GEAR, INTERNAL	1						Z	
12	2	119125-77210 (A=E023754)	BRACKET, CENTER A	1						Z	
13	2	119125-77230 (A=E023754)	SHAFT, PINION	1						Z	
14	2	129698-77250 (A=E023754)	WASHER SET	1						Z	
15	2	119125-77270 (A=E023754)	LEVER SET, SHIFT	1						Z	
16	2	119125-77280 (A=E023754)	COVER KIT, DUST	1						Z	
17	2	119125-77520 (A=E023754)	CASE ASSY, GEAR	1						Z	
18	2	119125-77660 (A=E023754)	PINION ASSY	1						Z	
19	2	119125-77710 (A=E023754)	ARMATURE ASSY	1						Z	
20	2	119125-77760 (A=E023754)	SWITCH ASSY, MAGNET	1						Z	
20A	2	X0280210331 (A=E023754)	NUT	1							W
20B	2	X0281007680 (A=E023754)	YOKE ASSY	1							W
20C	3	X0280996180 (A=E023754)	STARTER KIT	2							W
20D	2	X0282005871 (A=E023754)	ARMATURE ASSY	1							W
20E	2	X0283006960 (A=E023754)	CLUTCH	1							W

N:Old $\xrightarrow{\text{NLS}}_{\text{OLD}}$ New, Q:Old $\xrightarrow{\text{HLS}}_{\text{OLD}}$ New, R:Old $\xrightarrow{\text{HLS}}_{\text{OLD}}$ New, S:Old $\xrightarrow{\text{HLS}}_{\text{OLD}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

++ CONTINUE ++

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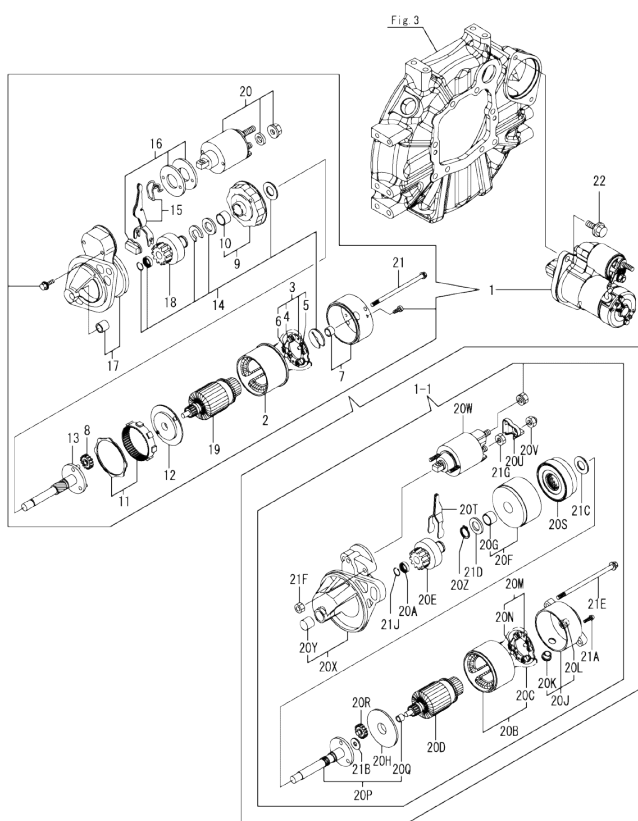


No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
20F	2 (A=E023754)	X0284105040	BEARING ASSY, SUB	1						W	
20G	3 (A=E023754)	X9491034330	BEARING	1						W	
20H	2 (A=E023754)	X0284525010	PLATE	1						W	
20J	2 (A=E023754)	X0285007030	FRAME ASSY	1						W	
20K	3 (A=E023754)	X0280626010	COVER	1						W	
20L	3 (A=E023754)	X9491040990	BEARING	1						W	
20M	2 (A=E023754)	X0285105190	HOLDER ASSY	1						W	
20N	3 (A=E023754)	X0285205030	SPRING	4						W	
20P	2 (A=E023754)	X0286105010	SHAFT ASSY, SUB	1						W	
20Q	3 (A=E023754)	X9491034320	BEARING	1						W	
20R	2 (A=E023754)	X0286305010	GEAR	3						W	
20S	2 (A=E023754)	X0286355010	GEAR	1						W	
20T	2 (A=E023754)	X0287405140	LEVER	1						W	
20U	2 (A=E023754)	X1280330020	COVER, TERMINAL	1						W	
20V	2 (A=E023754)	X1289510130	NUT	1						W	
20W	2 (A=E023754)	X2534000090	SWITCH ASSY	1						W	
20X	2 (A=E023754)	X4284001590	HOUSING ASSY	1						W	
20Y	3 (A=E023754)	X9491050100	BEARING, NEEDLE	1						W	
20Z	2 (A=E023754)	X9055715000	RING	1						W	
21	2	124195-77770	BOLT, THROUGH	2						Z	
21A	2 (A=E023754)	X9490065670	SCREW, M4X6	2						W	
21B	2 (A=E023754)	X9490138090	WASHER	1						W	
21C	2 (A=E023754)	X9490138100	WASHER	1						W	
21D	2 (A=E023754)	X9490138110	WASHER	1						W	
21E	2 (A=E023754)	X9490423520	BOLT, THROUGH	2						W	
21F	2	X9490560750	NUT	2						W	

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.15. STARTING MOTOR



(1) Interchangeable by simultaneous replacement with Fig.3 No.2-1.

(A)=3TNM68-HGB2B
(B)=
(C)=

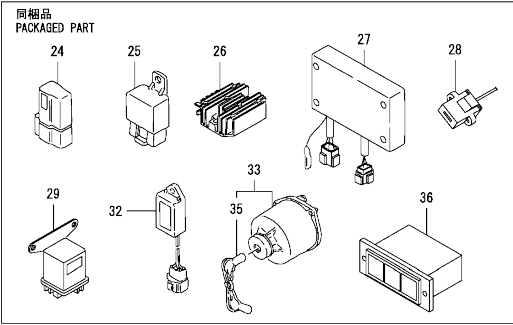
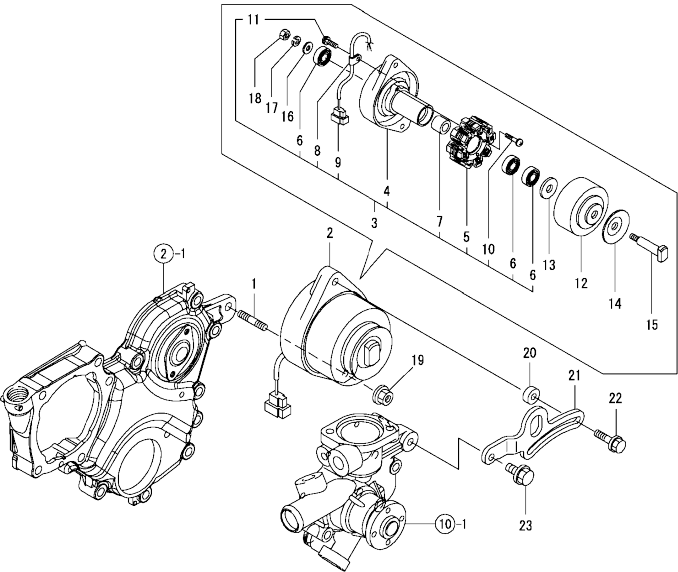
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
21G	(A=E023754) 2	X9490562360	NUT	1							W
21J	(A=E023754) 2	X9490721360	RING	1							W
22	(A=E023754) 1	26106-100252	BOLT, M10X 25 PLATED	2							

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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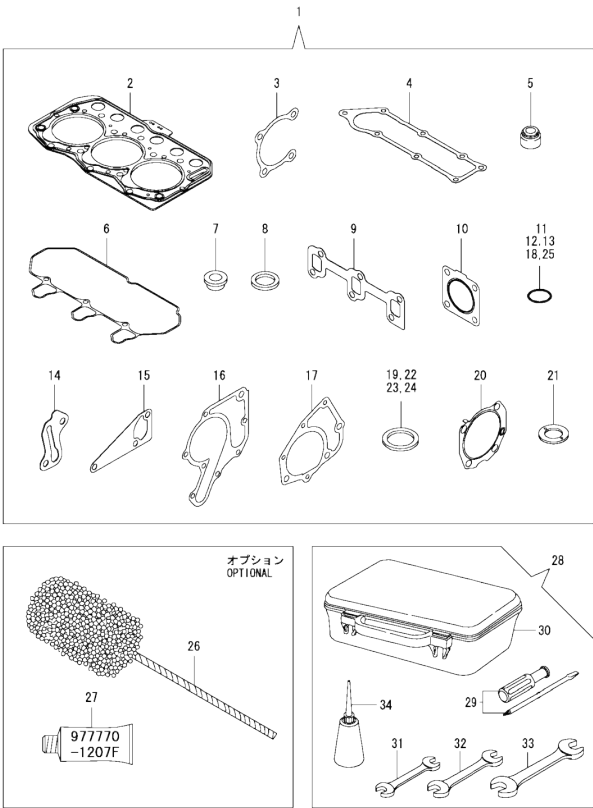
0CB10-M77700 3TNM68-HGB2B
Fig.16. GENERATOR



0CB10-M77700 Fig.16									
(A)=3TNM68-HGB2B (D)=									
(B)= (E)=									
(C)= (F)=									
Q'ty									
I R									
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)
1	1	129795-01900	STUD	1					
2	1	171301-77201-1	DYNAMO, 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	1					
17	2	XM219230000	WASHER	1					
18	2	XM863720000	NUT	1					
19	1	26306-100002	NUT, M10	1					
20	1	119940-77270	SPACER, GENERATOR	1					
21	1	119540-77310	ADJUSTER	1					
22	1	129972-77341	BOLT, ADJUSTER L=50	1					
23	1	26106-080202	BOLT, M8X 20 PLATED	1					
24	1	119643-66900	DIODE	1					
25	1	119247-77100	RELAY, SAFETY	2					
26	1	119233-77712	LIMITER, CURRENT 15A	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	LAMP	1					

OCB10-M77700 3TNM68-HGB2B

Fig.17. GASKET SET & TOOLS



Remarks
(1)OPTIONAL PART.

OCB10-M77700 Fig.17

(A)=3TNM68-HGB2B
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119125-92600	GASKET SET	1							1
2	2	119125-01330	GASKET, HEAD	1							
3	2	119125-01790	GASKET	1							
4	2	119125-11330	GASKET	1							
5	2	119125-11340	SEAL, VALVE STEM	6							
6	2	119125-11370	GASKET, BONNET	1							
7	2	129901-11450	PROTECTOR, NOZZLE	3							
8	2	119600-11460	GASKET, NOZZLE	6							
9	2	119125-13110	GASKET	1							
10	2	119515-13200	GASKET, SILENCER	1							
11	2	129900-32040	O-RING, P14	1							
12	2	119125-34900	O-RING	1							
13	2	119209-35030	O-RING, P11	1							
14	2	119125-39220	GASKET	1							
15	2	119260-42021	GASKET, WATER PUMP	1							
16	2	119275-42020	GASKET, WATER PUMP	1							
17	2	119125-42030	GASKET, WATER PUMP	1							
18	2	119209-42320	O-RING, P21 EPDM	1							
19	2	124465-44950	GASKET, 16	1							
20	2	119125-51800	GASKET	1							
21	2	119125-53800	GASKET	1							
22	2	22190-120002	WASHER, SEAL 12	5							
23	2	22190-160002	WASHER, SEAL 16	1							
24	2	23414-080000	GASKET, 8X1.0	1							
25	2	24311-000180	O-RING, 1AP18.0	2							
26	1	129400-92400	HONE	1							1
27	1	977770-1207F	GASKET, LIQUID	1							1
28	1	721400-92102	BOX ASSY, TOOL	1							
29	2	104200-92350	DRIVER, SCREW	1							
30	2	104200-92600	BOX, TOOL	1							
31	2	28110-100120	SPANNER, 10X12	1							
32	2	28110-140170	SPANNER, 14X17	1							
33	2	28110-190220	SPANNER, 19X22	1							
34	2	28210-000140	OILER	1							

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{YES}{NO}$ New, R:Old $\frac{YES}{NO}$ New, S:Old $\frac{YES}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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104200-92350	17	29
104200-92600	17	30
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105425-01690	3	6
106760-01770	2	6
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119125-01750	2	2
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119125-01780	3	10
119125-01790	1	31
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119125-01960	1	7
119125-01970	1	5
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119125-02061	1	9
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119260-11370	4	1
119260-14200	7	1
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