

0CD10-M69601EN

PREFACE

1. This parts catalog is the first edition of 3TNE68-YB, 3TNE68-EYB, 3TNE68-YBB, SHINKO ENGINEERING CO., LTD.

Pub. No.: 000Y00D6961

Published: Aug.,2000

2. Model name

Engine model	Equipped Operating Machine		Manufacturer
	Products	Model name	
3TNE68-YB	EXCAVATOR	Z 67	SHINKO ENGINEERING CO., LTD.
3TNE68-EYB		Z 67 (EPA)	
3TNE68-YBB		Z 67	

Directions for the Parts Catalog.

1. The parts stipulated in this Parts Catalog are not necessarily standard equipped 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

(A) (B) (C) (D) (E) (F)

3

I

5

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 Mark

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 Mark

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.

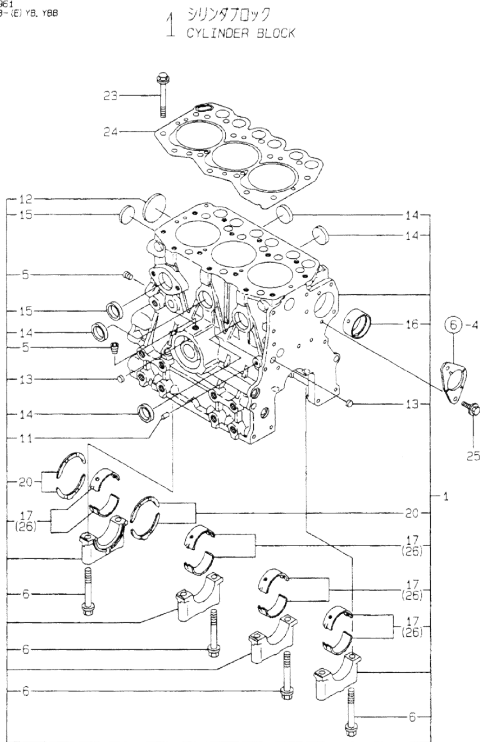
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0CD10-M69601

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9.	COOLING WATER SYSTEM		
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14.	STARTING MOTOR		
15.	GENERATOR		
16.	GASKET SET		

0CD10-M69601 3TNE68-(E)YB(B)
Fig.1. CYLINDER BLOCK

Y0006961
3TNE68-(E)YB, YBB



0CD10-M69601 Fig.1

(A)=3TNE68-YB
(B)=3TNE68-EYB
(C)=3TNE68-YBB

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

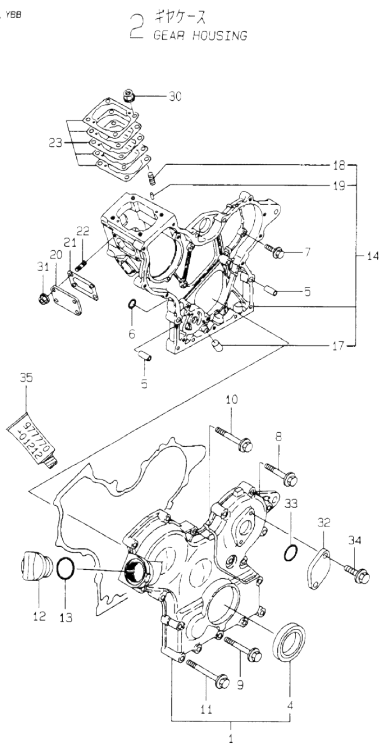
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719265-01560	BLOCK ASSY, CYLINDER	1	1	1					
5	2	124060-01050	PLUG, PT1/8	2	2	2					
6	2	119260-02020	BOLT, METAL CAP	8	8	8					
11	2	27221-060100	PLUG, 6X10	1	1	1					
12	2	27231-400000	PLUG 40	1							
12-1	2	119265-01250	PLUG, 40	1	1	1					N
(A=E60075)											
13	2	27241-100000	PLUG, 10	2	2	2					
14	2	27241-250000	PLUG, 25	4	4	4					
15	2	27241-300000	PLUG 30	2	2	2					
16	2	119266-02410	BUSH	1	1	1					
17	2	119260-02800	BEARING, MAIN	4	4	4					
20	2	119260-02930	BEARING, THRUST	2	2	2					
23	1	119266-01200	BOLT, HEAD	14	14	14					
24	1	119265-01341	GASKET, HEAD	1	1	1					
25	1	26106-060122	BOLT, M6X 12 PLATED	2	2	2					
26	1	719260-02870	BEARING, 0.25 US	4	4	4					1

Remarks
(1) UNDER-SIZE(U.S=0.25)PART.

N:Old $\frac{YBS}{100}$ New, Q:Old $\frac{H10}{100}$ New, R:Old $\frac{YBS}{100}$ New, S:Old $\frac{H10}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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OCD10-M69601 3TNE68-(E)YB(B)
Fig.2. GEAR HOUSING

YCD05961
3TNE68-(E)YB,YBB



Remarks
(1) OPTIONAL PART.

OCD10-M69601 Fig.2

(A)=3TNE68-YB
(B)=3TNE68-EYB
(C)=3TNE68-YBB

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119260-01590	COVER ASSY,GEAR CASE	1	1	1					
4	2	119620-01800	SEAL, OIL	1	1	1					
5	1	119660-01911	PIPE, KNOCK	4	4	4					
6	1	119624-32040	O-RING, P12.0	2	2	2					
7	1	26106-060162	BOLT, M6X 16 PLATED	5	5	5					
8	1	26106-060302	BOLT, M6X 30 PLATED	5	5	5					
9	1	26106-060402	BOLT, M6X 40 PLATED	3	3	3					
10	1	26106-060502	BOLT, M6X 50 PLATED	4	4	4					
11	1	26106-060652	BOLT, M6X 65 PLATED	6	6	6					
12	1	124160-01751	COVER, FILLER	1	1	1					
13	1	24311-000320	O-RING, 1AP32.0	1	1	1					
14	1	119260-01490	CASE ASSY, GEAR	1	1	1					
17	2	119260-01510	PLUG	1	1	1					
18	2	121450-01560	STUD, M8X22	4	4	4					
19	2	22351-040010	PIN, SPRING 4.0X10	2	2	2					
20	1	119660-01551	COVER	1	1	1					
21	1	119660-01562	GASKET	1	1	1					
22	1	119660-01570	STUD, M6X12	4	4	4					
23	1	119623-01950	SHIM SET, ADJUSTING	1	1	1					
30	1	194990-22050	NUT, M8	4	4	4					
31	1	26366-060002	NUT, M6	4	4	4					
32	1	121023-01550	COVER	1	1	1					
33	1	24341-000240	O-RING, 1AS24.0	1	1	1					
34	1	26106-060162	BOLT, M6X 16 PLATED	2	2	2					
35	1	977770-01212	GASKET, LIQUID	1	1	1					1

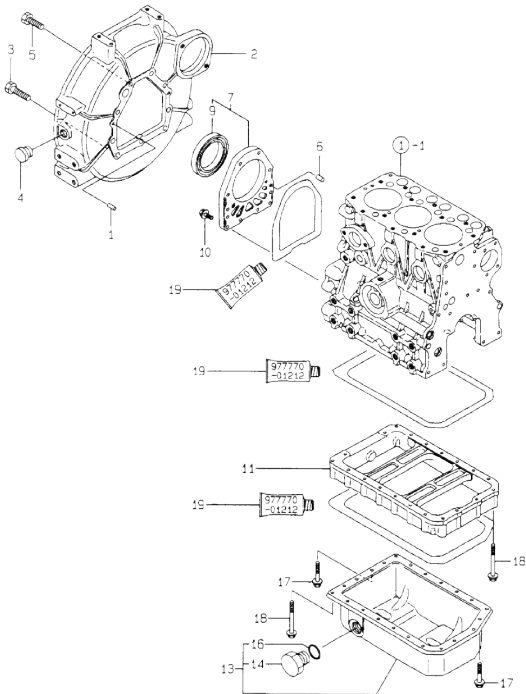
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0CD10-M69601 3TNE68-(E)YB(B)

Fig.3. FLYWHEEL HOUSING & OIL SUMP

Y0006961
3TNE68-(E) YB, YBB

3 フライホイールハウジング & オイルパン
FLYWHEEL HOUSING & OIL SUMP



Remarks
(1) OPTIONAL PART.

0CD10-M69601 Fig.3

(A)=3TNE68-YB
(B)=3TNE68-EYB
(C)=3TNE68-YBB

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2	2	2					
2	1	119260-01600	HOUSING, FLYWHEEL	1	1	1					
3	1	121120-01620	BOLT, M10X28	3	3	3					
4	1	119620-01750	CAP	1	1	1					
5	1	26206-100252	BOLT, M10X 25 PLATED	6	6	6					
6	1	119620-01620	PIN, M6X10	2	2	2					
7	1	119660-01640	CASE ASSY, OIL SEAL	1	1	1					
9	2	124085-02220	SEAL, OIL	1	1	1					
10	1	26106-060222	BOLT, M6X 22 PLATED	10	10	10					
11	1	119454-01721	SPACER, OIL SUMP	1	1	1					
13	1	119260-01770	SUMP ASSY, OIL	1	1	1					
14	2	121400-01640	PLUG, 16	1	1	1					
16	2	24311-000180	O-RING, 1AP18.0	1	1	1					
17	1	26106-060102	BOLT, M6X 10 PLATED	3	3	3					
18	1	26106-060452	BOLT, M6X 45 PLATED	20	20	20					
19	1	977770-01212	GASKET, LIQUID	1	1	1					1

N:Old $\frac{YBS}{100}$ New, Q:Old $\frac{R10}{100}$ New, R:Old $\frac{YBS}{100}$ New, S:Old $\frac{R10}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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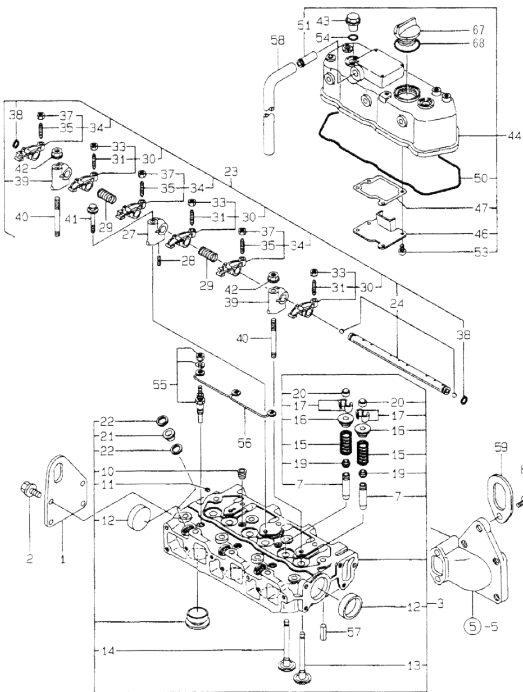
OCD10-M69601 3TNE68-(E)YB(B)

Fig.4. CYLINDER HEAD & BONNET

OCD10-M69601 Fig.4

Y3006961
3TNE68-(E)YB, Y9B

4 シリンダヘッド & ボンネット
CYLINDER HEAD & BONNET



Remarks
(1) REPAIR PART.

(A)=3TNE68-YB
(B)=3TNE68-EYB
(C)=3TNE68-YBB

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119632-07900	LIFTER	1	1	1					
2	1	26106-060122	BOLT, M6X 12 PLATED	4	4	4					
3	1	119265-11710	HEAD ASSY, CYLINDER	1	1	1					
7	2	119260-11800	GUIDE, VALVE	6	6	6					1
10	2	23876-030000	PLUG, R03	2	2	2					
11	2	27221-050080	PLUG, 5X 8	1	1	1					
12	2	27241-350000	PLUG, 35	2	2	2					
13	2	119260-11100	VALVE, INTAKE	3	3	3					
14	2	119260-11110	VALVE, EXHAUST	3	3	3					
15	2	114250-11120	SPRING, VALVE	6	6	6					
16	2	114250-11180	RETAINER, SPRING	6	6	6					
17	2	714250-11570	COTTER ASSY	6	6	6					
19	2	119260-11340	SEAL, VALVE STEM	6	6	6					
20	2	119260-11370	CAP, VALVE	6	6	6					
21	2	119600-11450	PROTECTOR, NOZZLE	3	3	3					
22	2	119600-11460	GASKET, NOZZLE	6	6	6					
23	1	119260-11200	SUPPORT ASSY, ARM	1	1	1					
24	2	119260-11240	SHAFT ASSY, ROCKER	1	1	1					
27	2	119260-11260	SUPPORT, ROCKER ARM	1	1	1					
28	2	119260-11270	SCREW	1	1	1					
29	2	119260-11280	SPRING	2	2	2					
30	2	719260-11650	ARM ASSY, ROCKER	3	3	3					
31	3	105010-11230	SCREW, VALVE ADJUST	3	3	3					
33	3	26756-060002	NUT, LOCK M6	3	3	3					
34	2	719260-11660	ARM ASSY, ROCKER	3	3	3					
35	3	105010-11230	SCREW, VALVE ADJUST	3	3	3					
37	3	26756-060002	NUT, LOCK M6	3	3	3					
38	2	22242-000100	RING, 10	2	2	2					
39	2	119265-11260	SUPPORT, ROCKER ARM	2	2	2					
40	1	119620-11350	STUD	2	2	2					
41	1	26106-080452	BOLT, M8X 45 PLATED	1	1	1					
42	1	26366-080002	NUT, M8	2	2	2					
43	1	124160-11360	KNOB	2	2	2					
44	1	119260-11330	BONNET ASSY, HEAD	1							
44-1	1	119260-11331	BONNET ASSY, HEAD	1	1	1					N
(A=E60075)											
46	2	119260-03020	PLATE, SHELTER	1	1	1					
47	2	119260-03031	GASKET	1	1	1					
50	2	119260-11310	GASKET, BONNET	1	1	1					
51	2	118400-03060	JOINT, BREATHER	1	1	1					
53	2	22857-500100	SCREW, 5X10	4	4	4					
54	1	24311-000120	O-RING, 1AP12.0	2	2	2					
55	1	129795-77800	PLUG, GLOW	3	3	3					
56	1	119620-77820	CONNECTOR, GLOW PLUG	1	1	1					
57	1	22351-060012	PIN, SPRING 6.0X12	2	2	2					
58	1	23065-120800	PIPE, 12X 800	1	1	1					
59	1	119225-07910	LIFTER	1	1	1					
60	1	26106-080142	BOLT, M8X 14 PLATED	1	1	1					
67	1	124160-01751	COVER, FILLER	1	1	1					
68	1	24311-000320	O-RING, 1AP32.0	1	1	1					

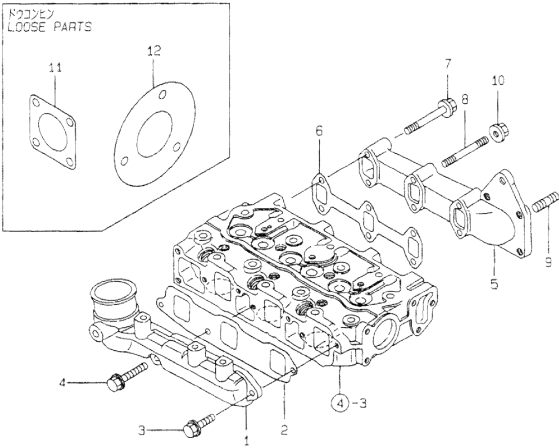
N:Old $\frac{NBS}{100}$ New, Q:Old $\frac{HIS}{100}$ New, R:Old $\frac{NBS}{100}$ New, S:Old $\frac{HIS}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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0CD10-M69601 3TNE68-(E)YB(B)

Fig.5. SUCTION & EXHAUST MANIFOLD

Y0006961
3TNE68-(E) YB, YBB

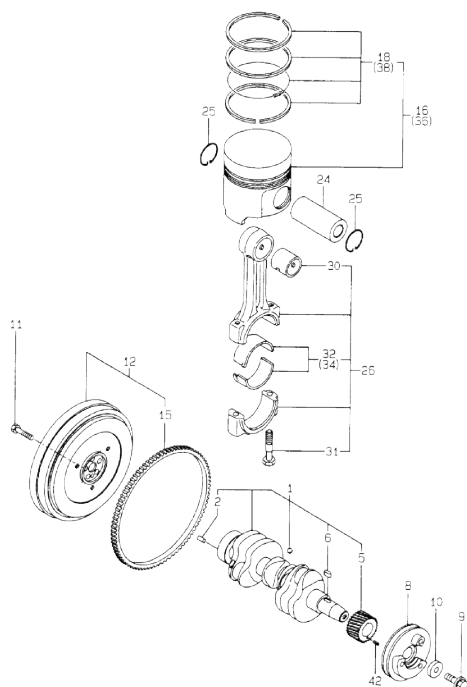
5 キュウ、ハイキマニホルド
SUCTION & EXHAUST MANIFOLD



0CD10-M69601 Fig.5
(A)=3TNE68-YB
(B)=3TNE68-EYB
(C)=3TNE68-YBB
(D)=
(E)=
(F)=
Q'ty

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119270-12100	MANIFOLD, AIR INTAKE	1							
1-1	1	119275-12101	MANIFOLD, AIR INTAKE	1	1	1					R
(A=E60075)											
2	1	119270-12110	GASKET, MANIFOLD	1	1	1					
3	1	26106-060162	BOLT, M6X 16 PLATED	2	2	2					
4	1	26106-060282	BOLT, M6X 28 PLATED	1	1	1					
5	1	119233-13100	MANIFOLD, EXHAUST	1	1	1					
6	1	119260-13110	GASKET	1	1	1					
7	1	26106-060402	BOLT, M6X 40 PLATED	4	4	4					
8	1	26216-060402	STUD, M6X 40	2	2	2					
9	1	119131-18320	STUD, M8X22	4	4	4					
10	1	26366-060002	NUT, M6	2	2	2					
11	1	124701-11911	GASKET, SILENCER	1	1	1					
12	1	103954-13201	GASKET, SILENCER	1	1	1					

Fig.7. CRANKSHAFT & PISTON



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

(A)=3TNE68-YB
(B)=3TNE68-EYB
(C)=3TNE68-YBB

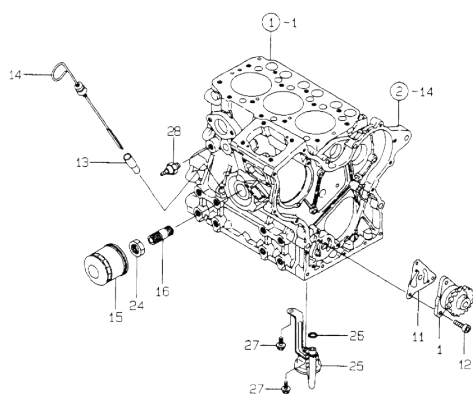
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119265-21700	CRANKSHAFT ASSY	1	1	1					
2	2	129100-01580	PIN, M8X16	1	1	1					
5	2	119260-21200	GEAR, CRANKSHAFT	1	1	1					
6	2	22512-040120	KEY, 4X 12	1	1	1					
8	1	119253-21650	V-PULLEY	1	1	1					
9	1	119621-21680	BOLT, FLANGE 12X1.25	1	1	1					
10	1	119620-21941	WASHER	1	1	1					
11	1	119620-21500	BOLT, FLYWHEEL	5	5	5					
12	1	119253-21590	FLYWHEEL ASSY	1	1	1					
15	2	124950-21600	GEAR, RING	1	1	1					
16	1	119265-22080	PISTON ASSY	3	3	3					
18	2	119265-22500	RING SET, PISTON	3	3	3					
24	1	119265-22300	PIN, PISTON	3	3	3					
25	1	22252-000200	RING, 20	6	6	6					
26	1	119265-23100	ROD ASSY, CONNECTING	3	3	3					
30	2	119260-23910	BEARING, PISTON PIN	3	3	3					1
31	2	119265-23200	BOLT, CONNECTING ROD	6	6	6					
32	2	719260-23600	BEARING, CRANK PIN	3	3	3					
34	1	719260-23610	BEARING ASSY, 0.25	3	3	3					2
36	1	119265-22940	PISTON ASSY, 0.25 OS	3	3	3					3
38	2	119265-22950	RING SET, 0.25 OS	3	3	3					3
42	1	22351-030010	PIN, SPRING 3.0X10	1	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.8. LUB.OIL SYSTEM

8 LOシステム
LUB.OIL SYSTEM



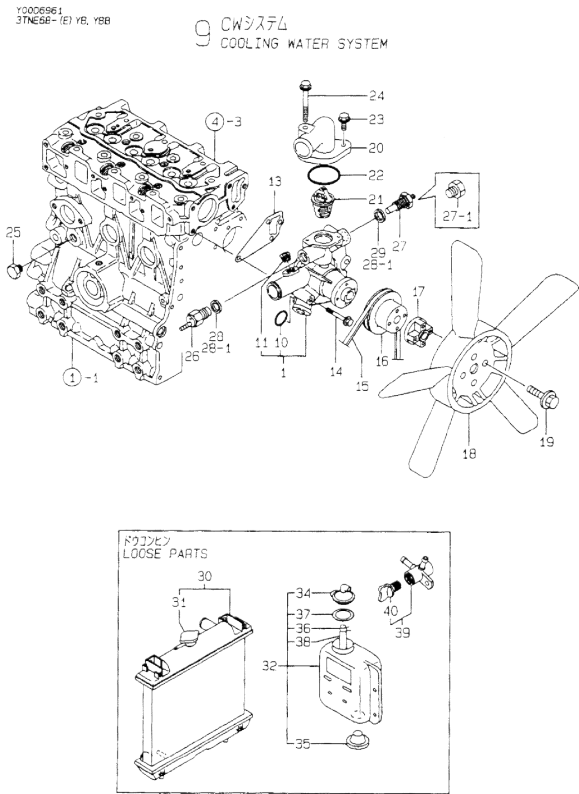
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119260-32000	PUMP ASSY, OIL	1	1	1					
11	1	119660-32020	GASKET, PUMP	1	1	1					
12	1	26450-060202	BOLT, M6X 20	3	3	3					
13	1	121520-34810	GUIDE, DIPSTICK	1	1	1					
14	1	119265-34820	DIPSTICK, OIL	1	1	1					
15	1	119305-35150	FILTER, OIL	1	1	1					
16	1	119225-35300	VALVE ASSY, OIL PRESS	1	1	1					
24	1	129150-35350	NUT	1	1	1					
25	1	119260-35081	PIPE, OIL INLET	1	1	1					
26	1	119209-35030	O-RING, P11	1	1	1					
27	1	26106-060122	BOLT, M6X 12 PLATED	2	2	2					
28	1	124160-39450	SWITCH, 0.5KG	1							
28-1	1	114250-39450	SWITCH, 0.5KG	1	1	1					N

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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OCD10-M69601 3TNE68-(E)YB(B)
Fig.9. COOLING WATER SYSTEM

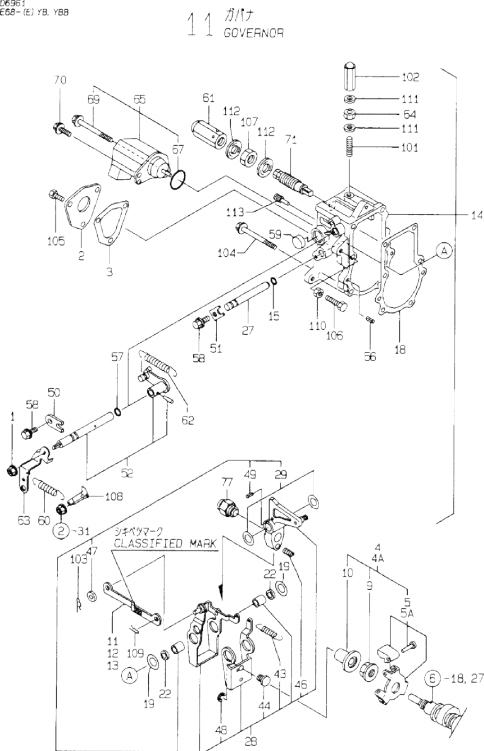


										OCD10-M69601 Fig.9	
										(A)=3TNE68-YB (B)=3TNE68-EYB (C)=3TNE68-YBB	
										(D)= (E)= (F)=	
										Q'ty	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119244-42001	PUMP ASSY, WATER	1	1	1					
10	2	119225-42320	O-RING	1	1	1					
11	2	23876-030000	PLUG, R03	1	1	1					
13	1	119260-42020	GASKET, WATER PUMP	1							
13-1	1	119260-42021	GASKET, WATER PUMP	1	1	1					N
(A=E60075)											
14	1	26106-080452	BOLT, M8X 45 PLATED	3	3	3					
15	1	119225-42290	V-BELT, FM34.0	1	1	1					
16	1	119620-42350	V-PULLEY	1	1	1					
17	1	121267-44760	SPACER	1	1	1					
18	1	119332-44740	FAN, COOLING D260X5	1	1	1					
19	1	26106-060302	BOLT, M6X 30 PLATED	4	4	4					
20	1	119256-49530	COVER, THERMOSTAT	1	1	1					
21	1	119260-49800	THERMOSTAT, 71	1	1	1					
22	1	24321-000350	O-RING, 1AG35.0	1							
22-1	1	119209-42140	O-RING, G 35	1	1	1					N
(A=E66537)											
23	1	26106-060162	BOLT, M6X 16 PLATED	1	1	1					
24	1	26106-060552	BOLT, M6X 55 PLATED	1	1	1					
25	1	171056-49120	PLUG, DRAIN	1	1	1					
26	1	121250-44901	SWITCH, 110	1	1	1					
27	1	124250-49351	SENSOR	1							
27-1	1	121450-42450	PLUG, M16	1	1	1					S
(A=E60075)											
28	1	124465-44950	GASKET, 16	1							
28-1	1	124465-44950	GASKET, 16	2	2	2					K
(A=E60075)											
29	1	129150-49360	GASKET	1	1	1					
30	1	119325-44510	RADIATOR ASSY	1	1	1					
31	2	119259-44570	CAP, RADIATOR	1	1	1					
32	1	121468-44510	SUB-TANK ASSY	1	1	1					
34	2	121450-44531	CAP	1	1	1					
35	2	121468-44540	PLUG, SUB-TANK	1	1	1					
36	2	124450-44560	RETAINER	1	1	1					
37	2	121470-44581	GASKET	1	1	1					
38	2	23065-070130	PIPE, 7X 130	1	1	1					
39	1	129550-49101	COCK ASSY, 2-WAY	1							Z
(A=E000X)											
40	2	129150-49081	COCK, DRAIN	1							Z
(A=E000X)											

OCD10-M69601 3TNE68-(E)YB(B)

Fig.11. GOVERNOR

Y300M6961
3TNE68-(E)YB,YBB



OCD10-M69601 Fig.11

(A)=3TNE68-YB
(B)=3TNE68-EYB
(C)=3TNE68-YBB

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194990-22050	NUT, M8	1	1	1					
2	1	119660-61060	COVER, GOVERNOR CASE	1	1	1					
3	1	119660-61071	GASKET	1	1	1					
4	1	119600-61100	DRIVE ASSY	1			1				
4A	1	119600-61300	DRIVE ASSY		1						
5	2	119600-61200	WEIGHT ASSY,GOVERNOR	1		1					
5A	2	119600-61400	WEIGHT ASSY,GOVERNOR			1					
9	2	119660-61300	NUT	1	1	1					
10	2	119660-61341	SLEEVE	1	1	1					
11	1	119660-61121	LINK, NO MARK	1	1	1					1
12	1	119660-61140	LINK, MARK :2	1	1	1					1
13	1	119660-61150	LINK, MARK :3	1	1	1					1
14	1	119632-61200	CASE ASSY, GOVERNOR	1	1	1					
15	2	129155-51280	O-RING, S6	1	1	1					
18	2	119660-61052	GASKET	1	1	1					
19	2	119660-61460	SHIM SET	1	1	1					
22	2	129155-61480	SPACER ASSY	2	2	2					
27	2	119660-61491	SHAFT	1							
27-1	2	119660-61590	SHAFT	1	1	1					N
(A=E60075)											
28	2	119232-61510	LEVER ASSY, GOVERNOR	1	1	1					
29	3	174307-51700	SHIM SET	2	2	2					
43	3	119232-61540	SPRING	1	1	1					
44	3	119600-61541	SHIFTER	1	1	1					
46	3	119660-61651	SPRING, STARTING	1	1	1					
47	3	22117-040000	WASHER, 4	1	1	1					
48	3	22272-000040	RING, E-4	1	1	1					
49	3	22351-030014	PIN, SPRING 3.0X14	1	1	1					
50	2	119600-61900	RETAINER, SHAFT	1	1	1					
51	2	119660-61901	RETAINER, SHAFT	1	1	1					
52	2	119285-66080	SHAFT ASSY	1	1	1					
56	2	22351-040010	PIN, SPRING 4.0X10	2	2	2					
57	2	24341-000070	O-RING, 1AS7.0	1	1	1					
58	2	26106-060102	BOLT, M6X 10 PLATED	2	2	2					
59	1	119640-61400	PLUG	1	1	1					
60	1	119840-61870	SPRING	1	1	1					
61	1	129100-61930	NUT, CAP	1	1	1					
62	1	119621-66021	SPRING, REGULATOR	1	1	1					
63	1	119621-66051	LEVER, REGULATOR	1	1	1					
64	1	124550-66370	NUT, M6	1	1	1					
65	1	119233-66511	STOPPER ASSY	1	1	1					
67	2	24341-000280	O-RING, 1AS28.0	1	1	1					
69	2	26106-060952	BOLT, M6X 95 PLATED	1	1	1					
70	1	121465-59950	BOLT, M6X16	1	1	1					
71	1	119600-66530	LIMITER ASSY, FUEL	1	1	1					
77	1	119610-66700	ANGLEICH ASSY	1	1	1					
101	1	121575-66830	SCREW	1	1	1					
102	1	119600-66840	NUT, CAP	1	1	1					
103	1	22360-040000	PIN, SNAP 4	1	1	1					
104	1	26106-060702	BOLT, M6X 70 PLATED	5	5	5					
105	1	26116-050102	BOLT, M5X 10 PLATED	3	3	3					

N:Old, New, Q:Old, New, R:Old, New, S:Old, New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Remarks
(1) SELECTIVE PARTS : CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REF. TO ILLUSTRATION)

Fig.11. GOVERNOR

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

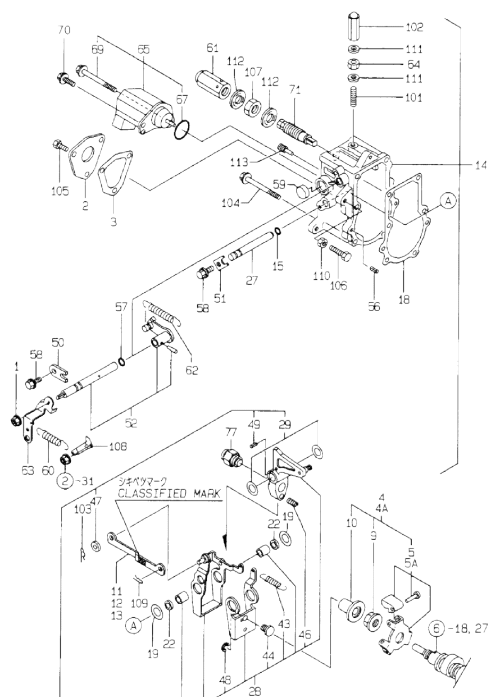
(A)=3TNE68-YB
(B)=3TNE68-EYB
(C)=3TNE68-YBB

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
106	1	26116-060304	BOLT, M6X 30 PLATED	1	1	1					
107	1	26776-120002	NUT, LOCK M12	1	1	1					
108	1	119656-66910	HOOK	1	1	1					
109	1	22360-060000	PIN, SNAP 6	1	1	1					
110	1	26756-060002	NUT, LOCK M6	1	1	1					
111	1	22190-060003	SEAL WASER 6	2	2	2					
112	1	22190-120002	WASHER, SEAL 12	2	2	2					
113	1	124250-03640	SCREW	1	1	1					W

(A=EXXX)



11 ガバナー
GOVERNOR



Remarks
(1) SELECTIVE PARTS : CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REF. TO ILLUSTRATION)

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

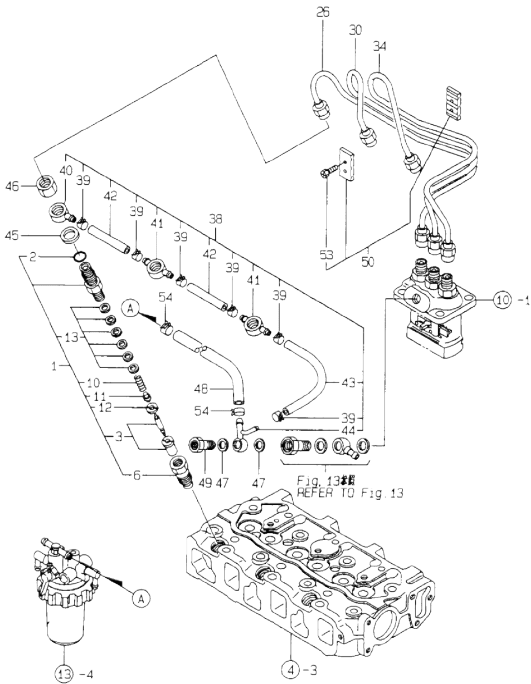
Fig.12. FUEL INJECTION VALVE

(A)=3TNE68-YB
(B)=3TNE68-EYB
(C)=3TNE68-YBB

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

Y00D9961
3TNE68-(E) YB, YBB

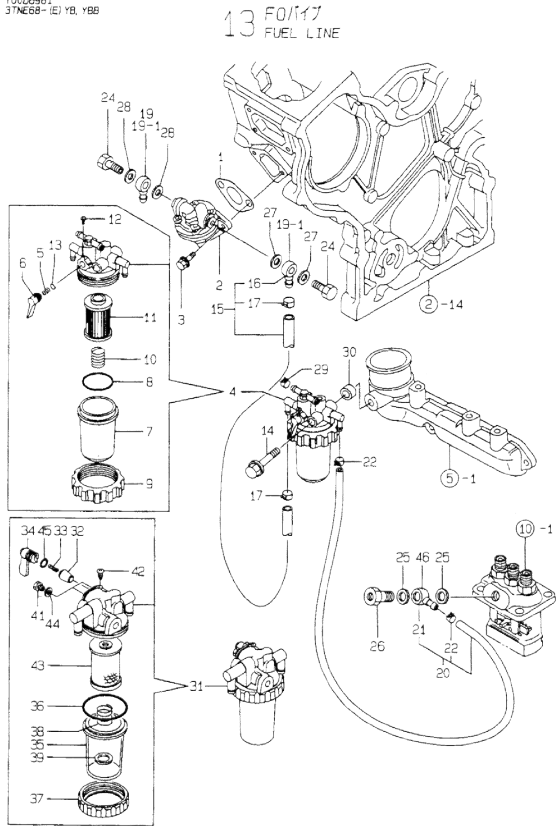
12 F07ンシャベン
FUEL INJECTION VALVE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719255-53100	VALVE ASSY,INJECTION	3	3	3					
2	2	129155-61830	O-RING, S10	3	3	3					
3	2	119620-53000	VALVE ASSY,INJECTION	3	3	3					
6	2	119620-53080	NUT, NOZZLE	3	3	3					
10	2	119620-53120	SPRING, NOZZLE	3	3	3					
11	2	114250-53130	SEAT, SPRING	3	3	3					
12	2	119620-53140	SPACER, VALVE STOP	3	3	3					
13	2	114250-53400	SHIM SET	3	3	3					
26	1	119209-59810	PIPE ASSY, INJECTION	1	1	1					
30	1	119209-59820	PIPE ASSY, INJECTION	1	1	1					
34	1	119209-59830	PIPE ASSY, INJECTION	1	1	1					
38	1	119642-59540	PIPE ASSY, RETURN	1	1	1					
39	2	124066-59100	CLIP, HOSE 8	6	6	6					
40	2	119260-59520	JOINT	1	1	1					
41	2	119260-59530	JOINT	2	2	2					
42	2	105025-59550	PIPE, FUEL RETURN	2	2	2					
43	2	119642-59550	PIPE, FUEL RETURN	1	1	1					
44	2	119642-59570	JOINT, OVER FLOW	1	1	1					
45	1	22190-140002	WASHER, SEAL 14	3	3	3					
46	1	119620-59700	NUT, NOZZLE	3	3	3					
47	1	22190-080002	WASHER, SEAL 6	2	2	2					
48	1	119225-59560	PIPE, FUEL	1							Z
(A=E60075)											
49	1	124550-59820	BOLT, PIPE JOINT M8	1	1	1					
50	1	129150-59120	RETAINER, PIPE	1	1	1					
53	2	129150-59131	BOLT, M4X14	2	2	2					
54	1	124766-59050	CLIP, HOSE 12	2							Z
(A=E60075)											

Fig.13. FUEL LINE

Y00D6961
3TNE68-(E)YB, YBB



(A)=3TNE68-YB
(B)=3TNE68-EYB
(C)=3TNE68-YBB

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

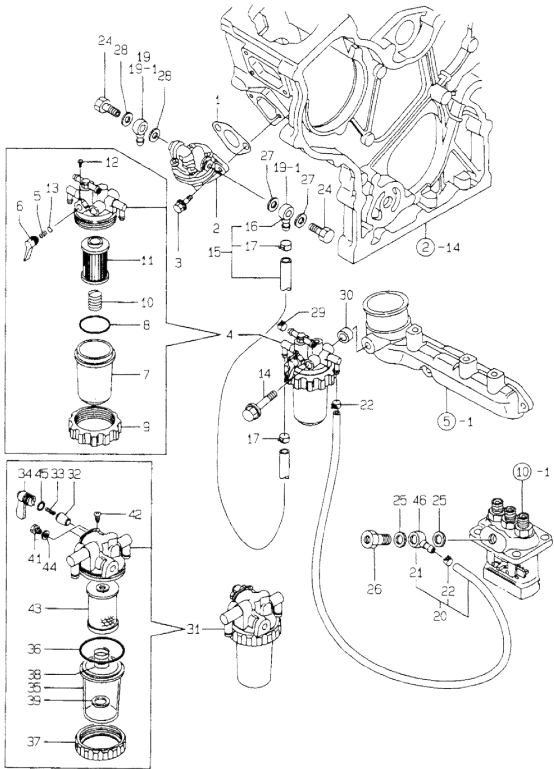
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121520-01851	GASKET	1	1	1					
2	1	119600-52021	PUMP ASSY, FUEL FEED	1	1	1					
3	1	26106-060162	BOLT, M6X 16 PLATED	2	2	2					
4	1	119255-55620	FILTER ASSY, FUEL	1	1	1					
5	2	104200-55330	SPRING, VALVE	1	1	1					
6	2	119810-55340	LEVER	1	1	1					
7	2	121254-55510	COVER	1	1	1					
8	2	102103-55520	O-RING	1	1	1					
9	2	110250-55610	RING, RETAINING	1	1	1					
10	2	121250-55620	SPRING	1	1	1					
11	2	124550-55700	FILTER, FUEL L=90	1	1	1					
12	2	104200-55750	SCREW, M4	1	1	1					
13	2	24311-240100	O-RING, 1AP10A	1	1	1					
14	1	26014-080852	BOLT, M8X 85	1							Z
(A=E60075)											
15	1	119230-59020	PIPE ASSY, FUEL	1							Z
(A=E60075)											
16	2	104264-59030	JOINT, PIPE 8	1							Z
(A=E60075)											
17	2	124766-59050	CLIP, HOSE 12	2							Z
(A=E60075)											
19	1	104264-59030	JOINT, PIPE 8	1							K
19-1	1	104264-59030	JOINT, PIPE 8	2	2	2					
(A=E60075)											
20	1	119230-59031	PIPE ASSY, FUEL	1							Z
(A=E60075)											
21	2	101304-59020	JOINT, PIPE 12	1							Z
(A=E60075)											
22	2	124766-59050	CLIP, HOSE 12	2							Z
(A=E60075)											
24	1	105582-59150	BOLT, PIPE JOINT	2	2	2					
25	1	22190-120002	WASHER, SEAL 12	2	2	2					
26	1	119650-59200	BOLT, PIPE JOINT M12	1							
26-1	1	119462-59190	BOLT ASSY, JOINT	1	1	1					S
(A=E60075)											
27	1	22190-080002	WASHER, SEAL 6	2	2	2					
28	1	22190-080002	WASHER, SEAL 6	2	2	2					
29	1	124766-59050	CLIP, HOSE 12	1							Z
(A=E60075)											
30	1	129411-55690	SPACER	1							Z
(A=E60075)											
31	1	129335-55700	SEPARATOR ASSY, WATER	1	1	1					
32	2	104200-55321	VALVE, TAPER	1	1	1					
33	2	104200-55330	SPRING, VALVE	1	1	1					
34	2	104200-55341	HANDLE	1	1	1					
35	2	124064-55510	COVER	1	1	1					
36	2	102103-55520	O-RING	1	1	1					
37	2	110250-55610	RING, RETAINING	1	1	1					
38	2	121257-55720	SPRING	1	1	1					
39	2	121257-55731	FLOAT	1	1	1					
41	2	101720-55750	PLUG, 6	2	2	2					

N:Old, New, Q:Old, New, R:Old, New, S:Old, New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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OCD10-M69601 3TNE68-(E)YB(B)
Fig.13. FUEL LINE

Y00D6961
3TNE68-(E)YB, YBB

13 F0117
FUEL LINE



OCD10-M69601 Fig.13

(A)=3TNE68-YB
(B)=3TNE68-EYB
(C)=3TNE68-YBB

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
42	2	104200-55750	SCREW, M4	1	1	1					
43	2	171081-55910	SCREEN	1	1	1					
44	2	23418-060000	GASKET, 6X1.0	2	2	2					
45	2	24311-240100	O-RING, 1AP10A	1	1	1					
46	1	101304-59020	JOINT, PIPE 12	1	1	1					W
(A=E60075)											

OCD10-M69601 3TNE68-(E)YB(B)
Fig.14. STARTING MOTOR

OCD10-M69601 Fig.14

(A)=3TNE68-YB
(B)=3TNE68-EYB
(C)=3TNE68-YBB

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

Q'ty

I R

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119226-77010	STARTER,12V-0.8KW	1	1	1					
2	2	X2114560130	LEVER KIT, SHIFT	1	1	1					
3	2	X2114715500	STOPPER SET, PINION	1	1	1					
4	2	X2114811000	WASHER KIT, THRUST	1	1	1					
5	2	114371-77110	ARMATURE	1	1	1					
6	2	114371-77140	COVER ASSY, REAR	1	1	1					
7	2	114371-77160	HOLDER ASSY, BRUSH	1	1	1					
8	3	114371-79040	BRUSH (-)	2	2	2					
9	3	114371-79050	BRUSH (+)	1	1	1					
10	3	114371-79060	SPRING, BRUSH	4	4	4					
11	2	114371-77170	COVER KIT, DUST	1	1	1					
12	2	119226-77650	CLUTCH ASSY	1	1	1					
13	2	124097-77710	YOKE ASSY	1	1	1					
14	2	124097-77760	CASE ASSY, GEAR	1	1	1					
15	2	124195-77760	MAGNETIC SWITCH ASSY	1	1	1					
16	2	124195-77770	THROUGH BOLT	2	2	2					
17	2	114371-79070	BOLT M 6X 37	2	2	2					
18	2	26022-040122	SCREW, M4X12	2	2	2					
19	1	26106-100252	BOLT, M10X 25 PLATED	2	2	2					

Y00026921
3TNE68-(E) YB, YBB

14 スターティングモータ
STARTING MOTOR

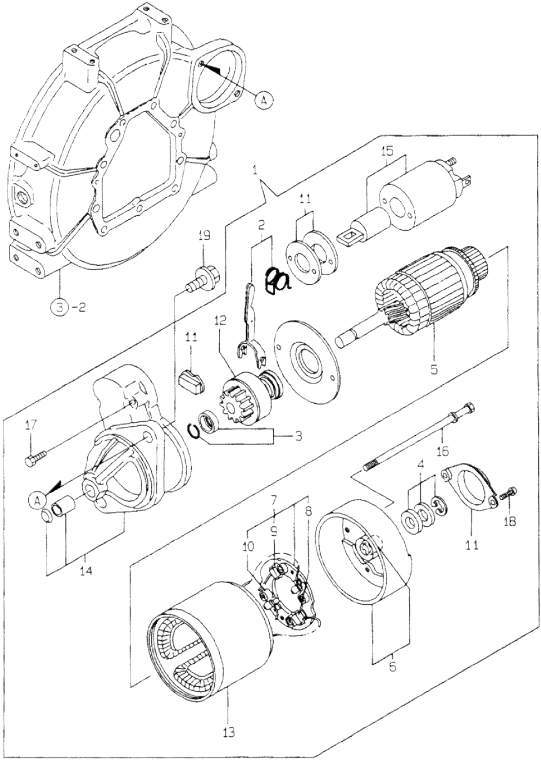
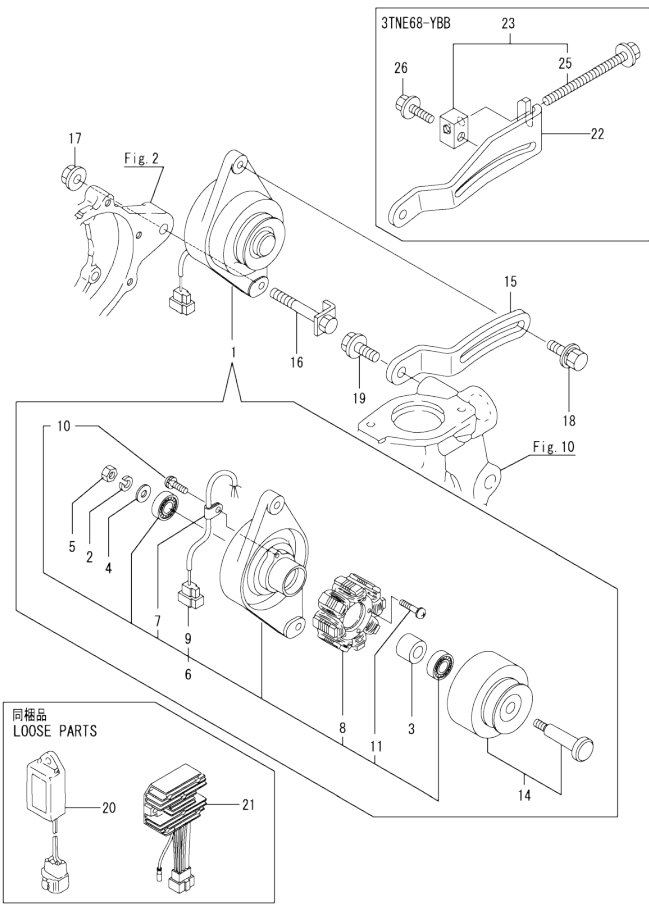


Fig.15. GENERATOR



(A)=3TNE68-YB
(B)=3TNE68-EYB
(C)=3TNE68-YBB

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

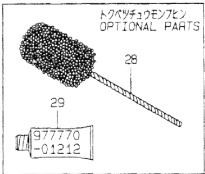
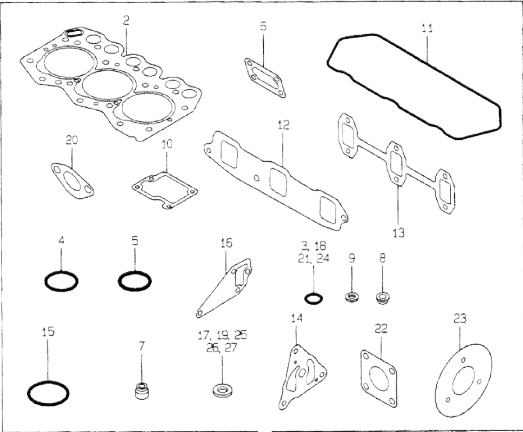
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-77202	GENERATOR	1	1	1					
1-1	1	129150-77203	DINAMO ASSY	1	1	1				N	
(A=EXXXXX) (B=ED5868) (C=EXXXXX)											
2	2	XM219230000	WASHER, SPRING	1	1	1					
3	2	XM329830000	COLLAR	1	1	1					
4	2	XM860250000	WASHER, 10	1	1	1					
5	2	XM863720000	NUT	1	1	1					
6	2	129150-77210	PLATE ASSY	1	1	1					
7	3	XM069000000	CLAMP	1	1	1					
8	3	XM081780000	STATOR	1	1	1					
9	3	XM178780000	COUPLER	1	1	1					
10	3	XYSPS400800	SCREW	1	1	1					
11	3	XYSPS402400	SCREW	2	2	2					
14	2	129150-77230	FLYWHEEL ASSY	1	1	1					
14-1	2	129150-77280	FLYWHEEL ASSY	1	1	1				N	
(A=EXXXXX) (B=ED5868) (C=EXXXXX)											
15	1	119325-77310	ADJUSTER	1							
15-1	1	119325-77311	ADJUSTER	1	1					N	
(A=E60075)											
16	1	119233-77251	BOLT	1	1	1					
17	1	26366-080002	NUT, M8	1	1	1					
18	1	26014-080252	BOLT, M8X 25	1	1						
19	1	26106-080202	BOLT, M8X 20 PLATED	1	1	1					
20	1	129211-77920	TIMER	1	1	1					
21	1	119653-77710	CURRENT LIMITER	1	1	1					
22	1	119253-77340	ADJUSTER								
23	1	129616-77350	BLOCK ASSY, ADJUSTER								
25	2	26106-081004	BOLT, M8X100 PLATED								
26	1	26014-080452	BOLT, M8X 45								

OCD10-M69601 3TNE68-(E)YB(B)

Fig.16. GASKET SET

Y00D9661
3TNE68-(E)YB, YBB

16 パッキンセット
GASKET SET



Remarks
(1) OPTIONAL PART.

OCD10-M69601 Fig.16

(A)=3TNE68-YB
(B)=3TNE68-EYB
(C)=3TNE68-YBB

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719265-92710	GASKET SET	1							1
1-1	1	719265-92760	GASKET SET	1	1	1				N	1
(A=E66537)											
2	2	119265-01341	GASKET, HEAD	1	1	1					
3	2	24311-000120	O-RING, 1AP12.0	2	2	2					
4	2	24311-000320	O-RING, 1AP32.0	2	2	2					
5	2	24341-000240	O-RING, 1AS24.0	1	1	1					
6	2	119660-01562	GASKET	1	1	1					
7	2	119260-11340	SEAL, VALVE STEM	6	6	6					
8	2	119600-11450	PROTECTOR, NOZZLE	3	3	3					
9	2	119600-11460	GASKET, NOZZLE	6	6	6					
10	2	119260-03031	GASKET	1	1	1					
11	2	119260-11310	GASKET, BONNET	1	1	1					
12	2	119270-12110	GASKET, MANIFOLD	1	1	1					
13	2	119260-13110	GASKET	1	1	1					
14	2	119660-32020	GASKET, PUMP	1	1	1					
15	2	24321-000350	O-RING, 1AG35.0	1							
15-1	2	119209-42140	O-RING, G 35	1	1	1				N	
(A=E66537)											
16	2	119260-42020	GASKET, WATER PUMP	1							
16-1	2	119260-42021	GASKET, WATER PUMP	1	1	1				N	
(A=E60075)											
17	2	124465-44950	GASKET, 16	1							
17-1	2	124465-44950	GASKET, 16	2	2	2				K	
(A=E60075)											
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20	2	121520-01851	GASKET	1	1	1					
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23	2	103954-13201	GASKET, SILENCER	1	1	1					
24	2	119209-35030	O-RING, P11	1	1	1					
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26	2	22190-120002	WASHER, SEAL 12	2	2	2					
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28	1	129400-92400	FLEX HORN	1	1	1					1
29	1	977770-01212	GASKET, LIQUID	1	1	1					1

N:Old $\frac{Y00D}{100}$ New, Q:Old $\frac{H0}{100}$ New, R:Old $\frac{Y00D}{100}$ New, S:Old $\frac{H0}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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