

OCR10-M44901EN

PREFACE

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNE78A-SA, 3TNE78A-G1A, 3TNE78A-G2A & 3TNE78AC-G1A.

2. Parts catalog history

	Parts catalog No.	Published	Note
1st edition	000Y00R4490	May., 1995	Disuse old edition
1st revised	000Y00R4491	Jul., 2002	

3. Model name

Column	Model name	Manufactured	E/#
(A)	3TNE78A-SA	1996/4~	10184~
(B)	3TNE78A-G1A	1996/7~	10615~
(C)	3TNE78A-G2A	1996/4~	10201~
(D)	3TNE78AC-G1A	1996/10~	00973~

4. Each illustration corresponds to the parts list on the following page.

5. When ordering parts, clearly write down the engine model and serial number, as well as the name and number of each part in your order sheet. This will help insure reliable delivery of the parts you have ordered.

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 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 $\xrightarrow{\text{No}}$ 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.

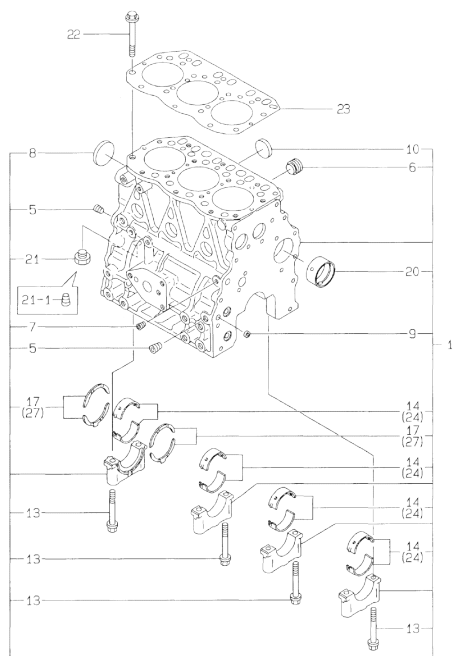
⑤ Remarks

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
3TNE78A(C)	SA,G1A,G2A		
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	FLYWHEEL HOUSING & OIL SUMP		
4.	CYLINDER HEAD & BONNET (1)		
5.	CYLINDER HEAD & BONNET (2)		
6.	SUCTION MANIFOLD & AIR CLEANER		
7.	EXHAUST MANIFOLD & SILENCER		
8.	CAMSHAFT & DRIVING GEAR		
9.	CRANKSHAFT & PISTON		
10.	LUB.OIL SYSTEM		
11.	COOLING WATER SYSTEM		
12.	RADIATOR		
13.	FUEL INJECTION PUMP		
14.	GOVERNOR		
15.	FUEL INJECTION VALVE		
16.	FUEL FILTER		
17.	ENGINE CONTROL DEVICE		
18.	STARTING MOTOR		
19.	STARTING MOTOR(COLD DISTRICT)		
20.	GENERATOR		
21.	PANEL		
22.	GASKET SET		



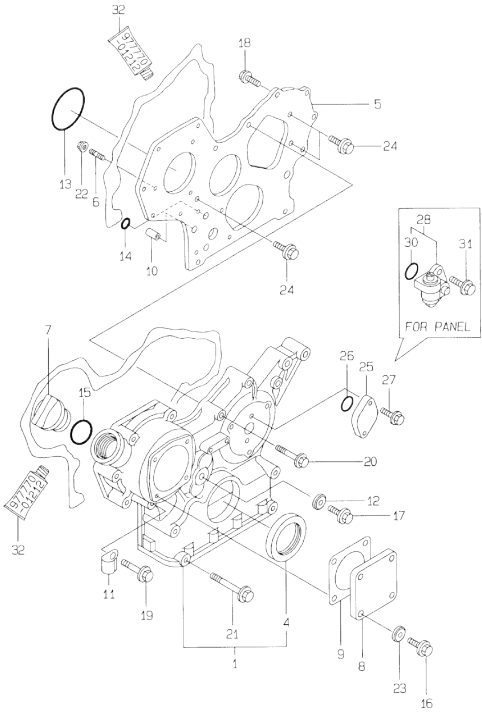
		(A)=3TNE78A-SA (E)=3TNE78A-G1A (C)=3TNE78A-G2A				(D)=3TNE78AC-G1A (F)=				
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I R
1	1	719822-01560	BLOCK ASSY, CYLINDER	1	1	1	1			
5	2	124160-01910	PLUG, PT1/4	2	2	2	2			
6	2	171051-01921	PLUG, NPTF1	1	1	1	1			
7-1	2	23871-010000	PLUG, R01	1	1	1	1			
	2	23876-010000	PLUG, R01	1	1	1	1			N
		(A=E00XX) (B=E00XX) (C=E00XX) (D=E00XX)								
8	2	27231-500000	PLUG 50	1	1	1	1			
8-1	2	129001-01250	PLUG, 50	1	1	1	1			N
		(A=E00XX) (B=E00XX) (C=E00XX) (D=E00XX)								
9	2	27241-120000	PLUG, 12	2	2	2	2			
10	2	27241-300000	PLUG 30	6	6	6	6			
13	2	119620-02020	BOLT, METAL CAP	8	8	8	8			
14	2	119810-02800	BEARING, MAIN	4	4	4	4			
17	2	119810-02930	BEARING, THRUST	1	1	1	1			
20	2	129795-02411	BUSH, CAMSHAFT	1	1	1	1			
21	2	23887-120002	PLUG, 12	1	1	1	1			
21-1	2	124160-01910	PLUG, PT1/4	1	1	1	1			S
		(A=E14548) (B=E14653) (C=E14549) (D=E01873)								
22	1	119810-01200	BOLT, HEAD	14	14	14	14			
23	1	119818-01330	GASKET, HEAD	1	1	1	1			
24	1	119810-02870	BEARING, 0.25 US	4	4	4	4			
27	1	119810-02940	BEARING, THRUST 0.25	2	2	2	2			1

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

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

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Fig.2. GEAR HOUSING



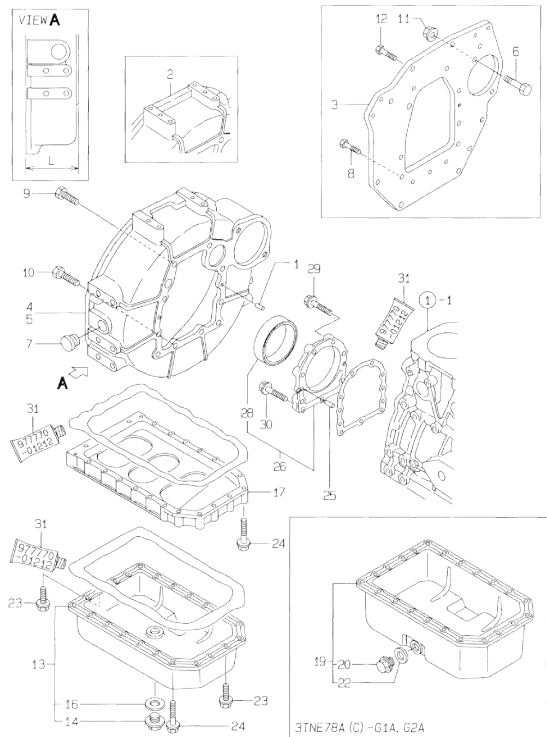
Remarks
(1) FOR PANEL.
(2) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719810-01500	CASE ASSY, GEAR	1	1	1	1				
4	2	129795-01800	SEAL, OIL	1	1	1	1				
5	1	129400-01520	FLANGE, GEAR CASE	1	1	1	1				
6	1	121450-01560	STUD, M8X22	3	3	3	3				
7	1	124160-01751	COVER, FILLER	1	1	1	1				
8	1	124240-01871	COVER	1	1	1	1				
9	1	124240-01883	GASKET	1	1	1	1				
10	1	129795-01950	PIPE, KNOCK L=18	2	2	2	2				
11	1	129150-03100	RETAINER, PIPE	1	1	1	1				
12	1	22190-080002	WASHER, SEAL 6	1	1	1	1				
13	1	121850-51960	O-RING	1	1	1	1				
14	1	24311-000160	O-RING, 1AP16.0	2	2	2	2				
15	1	24311-000320	O-RING, 1AP32.0	1	1	1	1				
16	1	26106-080122	BOLT, M8X 12 PLATED	4	4	4	4				
17	1	26106-080162	BOLT, M8X 16 PLATED	1	1	1	1				
18	1	26106-080202	BOLT, M8X 20 PLATED	2	2	2	2				
19	1	26106-080452	BOLT, M8X 45 PLATED	6	6	6	6				
20	1	26106-080552	BOLT, M8X 55 PLATED	3	3	3	3				
21	1	26106-080852	BOLT, M8X 85 PLATED	4	4	4	4				
21-1	1	129001-91840	BOLT, M8X85	4	4	4	4				R
(A=E14685) (B=E14731) (C=E14686) (D=E01891)											
22	1	26366-080002	NUT, M8	3	3	3	3				
22-1	1	26306-080002	NUT, M8	3	3	3	3				N
(A=E0000) (B=E0000) (C=E0000) (D=E0000)											
23	1	22190-080002	WASHER, SEAL 6	4	4	4	4				
24	1	26106-080162	BOLT, M8X 16 PLATED	3	3	3	3				
25	1	121023-01550	COVER	1	1	1	1				
26	1	24341-000240	O-RING, 1AS24.0	1	1	1	1				
27	1	26106-060162	BOLT, M6X 16 PLATED	2	2	2	2				
28	1	129150-91400	GEAR	1	1	1	1				1
30	2	24341-000240	O-RING, 1AS24.0	1	1	1	1				1
31	1	26106-060162	BOLT, M6X 16 PLATED	2	2	2	2				1
32	1	977770-01212	GASKET, LIQUID	1	1	1	1				W 2
(A=E0000) (B=E0000) (C=E0000)											

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.3. FLYWHEEL HOUSING & OIL SUMP

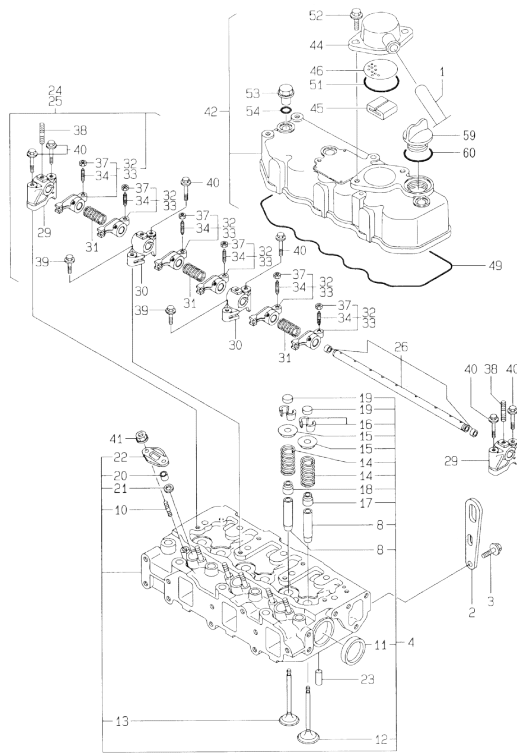


Remarks
(1) L= 80M/M.
(2) L= 105M/M.
(3) OPTIONAL PART.

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				
2	1	119888-01600	HOUSING, FLYWHEEL	1		1					
3	1	129129-01600	FLANGE, MOUNTING	1		1					
4	1	171301-01600	HOUSING, FLYWHEEL	1	1	1					1
4-1	1	129612-01600	HOUSING, FLYWHEEL	1		1				N	1
(A=E10463) (C=E12582)											
5	1	171420-01600	HOUSING, FLYWHEEL	1	1	1	1				2
6	1	121476-01620	BOLT	2		2					
7	1	119620-01750	CAP	1	1	1	1				
8	1	26206-100202	BOLT, M10X 20 PLATED	6		6					
9	1	26206-100252	BOLT, M10X 25 PLATED	6	6	6	6				
10	1	26206-100302	BOLT, M10X 30 PLATED	4	4	4	4				
11	1	26367-120002	NUT, M12	2		2					
12	1	26206-100252	BOLT, M10X 25 PLATED	4		4					
13	1	119810-01790	SUMP ASSY, OIL	1							
14	2	119640-01640	PLUG, DRAIN M22	1							
16	2	22190-220002	WASHER, SEAL 22	1							
17	1	119810-01730	SPACER, OIL SUMP	1	1	1	1				
19	1	119810-01770	SUMP ASSY, OIL		1	1	1				
20	2	119640-01640	PLUG, DRAIN M22		1	1	1				
22	2	22190-220002	WASHER, SEAL 22		1	1	1				
23	1	26106-080162	BOLT, M8X 16 PLATED	6	6	6	6				
24	1	26106-080452	BOLT, M8X 45 PLATED	22	22	22	22				
25	1	129100-01580	PIN, M8X16	2	2	2	2				
26	1	719810-01650	CASE ASSY, OIL SEAL	1	1	1	1				
28	2	119810-01780	SEAL, 769310	1	1	1	1				
29	1	26106-080302	BOLT, M8X 30 PLATED	6	6	6	6				
29-1	1	129486-01670	BOLT, M8X30	6	6	6	6				R
(A=E10463) (B=E10615) (C=E12582) (D=E00973)											
30	1	26106-080352	BOLT, M8X 35 PLATED	3	3	3	3				
31	1	977770-01212	GASKET, LIQUID	1	1	1	1			W	3
(A=E10463) (B=E10615) (C=E12582) (D=E00973)											

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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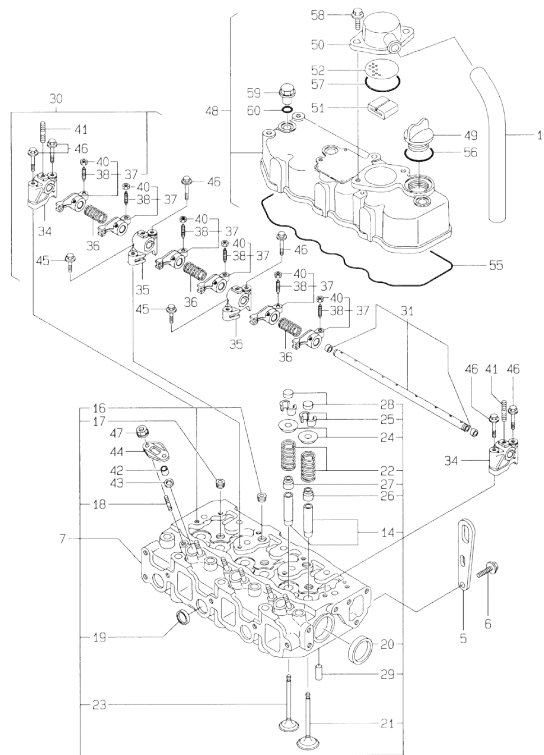
Fig.4. CYLINDER HEAD & BONNET (1)



Remarks
(1) REPAIR PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171350-03090	PIPE , BREATHER 900	1	1						
2	1	124736-07900	LIFTER	1	1						
3	1	26106-080142	BOLT, M8X 14 PLATED	2	2						
4	1	119812-11700	HEAD ASSY, CYLINDER	1	1						1
8	2	124060-11800	GUIDE, VALVE	6	6						
10	2	26216-060302	STUD, M6X 30	6	6						
11	2	27241-400000	PLUG, 40	2	2						
12	2	119810-11100	VALVE, INTAKE	3	3						
13	2	119810-11110	VALVE, EXHAUST	3	3						
14	2	119810-11120	SPRING, VALVE	6	6						
15	2	104211-11180	RETAINER, SPRING	6	6						
16	2	27310-070001	COTTER, 7	6	6						
17	2	124160-11340	SEAL, VALVE STEM	3	3						
18	2	124950-11340	SEAL, VALVE STEM	3	3						
19	2	104211-11370	CAP, VALVE	6	6						
20	2	119625-11871	PROTECTOR, NOZZLE	3	3						
20-1	2	119625-11870	PROTECTOR, NOZZLE	3	3						N
(A=E000) (B=E000) (D=E000)											
21	2	119625-11880	SEAT, NOZZLE	3	3						
22	2	119625-11900	RETAINER, NOZZLE	3	3						
23	1	22351-060012	PIN, SPRING 6.0X12	2	2						
24	1	119865-11200	SUPPORT ASSY, ARM	1							
24-1	1	119865-11210	SUPPORT ASSY	1							N
(A=E10705)											
25	1	119865-11210	SUPPORT ASSY		1						
26	2	119810-11240	SHAFT ASSY, ROCKER	1	1						
29	2	129155-11260	SUPPORT, ROCKER ARM	2	2						
30	2	129155-11270	SUPPORT, ROCKER ARM	2	2						
31	2	129150-11280	SPRING	3	3						
32	2	719810-11650	ARM ASSY, ROCKER	6							
32-1	2	719810-11660	ARM ASSY, ROCKER	6							N
(A=E10705)											
33	2	719810-11660	ARM ASSY, ROCKER		6						
34	3	129150-11230	SCREW, VALVE ADJUST	6	6						
37	3	129150-11750	NUT, M8	6	6						
38	2	26226-080182	STUD, M8X 18	3	3						
39	1	26106-080252	BOLT, M8X 25 PLATED	2	2						
40	1	26106-080502	BOLT, M8X 50 PLATED	6	6						
41	1	26366-060002	NUT, M6	6	6						
42	1	719810-11520	BONNET ASSY, HEAD	1	1						
44	2	129150-03020	COVER, BREATHER	1	1						
45	2	129150-03070	BAFFLE, BREATHER	1	1						
46	2	129150-03080	PLATE, BAFFLE	1	1						
49	2	119865-11310	GASKET, BONNET	1	1						
51	2	24341-000500	O-RING, 1AS50.0	1	1						
52	2	26106-080162	BOLT, M8X 16 PLATED	2	2						
53	1	124160-11360	KNOB	3	3						
54	1	24311-000120	O-RING, 1AP12.0	3	3						
59	1	124160-01751	COVER, FILLER	1	1						
60	1	24311-000320	O-RING, 1AP32.0	1	1						

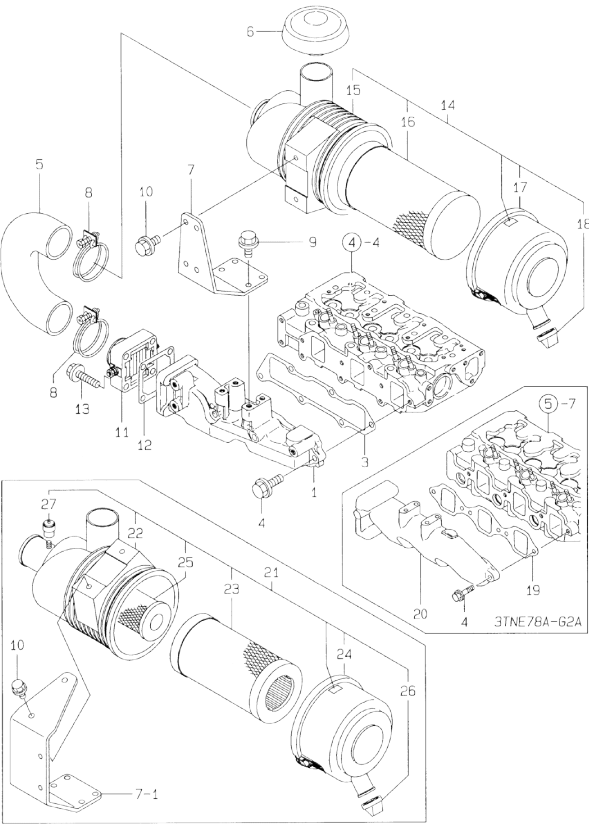
Fig.5. CYLINDER HEAD & BONNET (2)



Remarks
(1) REPAIR PART.

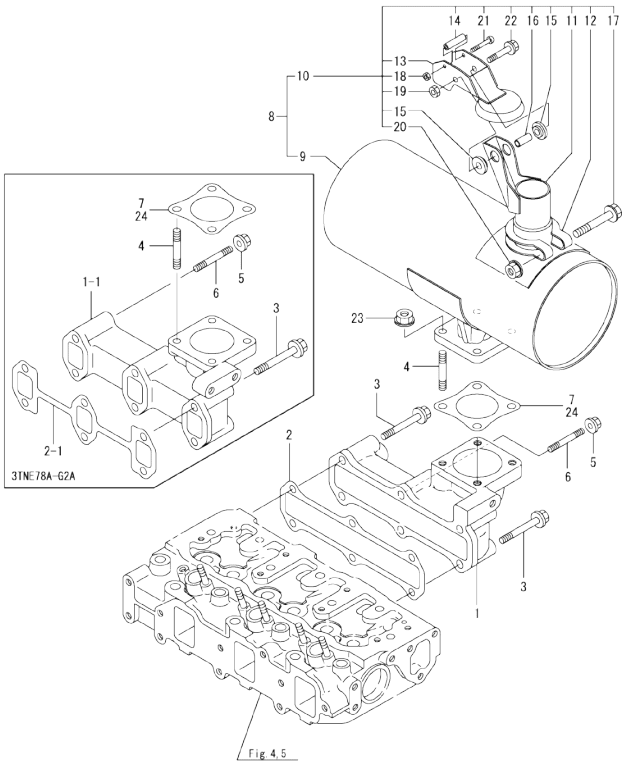
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171350-03090	PIPE , BREATHER 900			1					
5	1	124736-07900	LIFTER			1					
6	1	26106-080142	BOLT, M8X 14 PLATED			2					
7	1	719818-11700	HEAD ASSY, CYLINDER			1					1
14	2	124060-11800	GUIDE, VALVE			6					
16	2	121850-11860	PLUG, PT1/4			2					
17	2	23871-030000	PLUG, R03			3					
17-1	2	23876-030000	PLUG, R03			3					N
			(C=EXXX)								
18	2	26216-060302	STUD, M6X 30			6					
19	2	27241-220000	PLUG, 22			3					
20	2	27241-400000	PLUG, 40			2					
21	2	119810-11100	VALVE, INTAKE			3					
22	2	119810-11120	SPRING, VALVE			6					
23	2	119810-11130	VALVE, EXHAUST			3					
24	2	104211-11180	RETAINER, SPRING			6					
25	2	27310-070001	COTTER, 7			6					
26	2	124160-11340	SEAL, VALVE STEM			3					
27	2	124950-11340	SEAL, VALVE STEM			3					
28	2	104211-11370	CAP, VALVE			6					
29	2	22351-060012	PIN, SPRING 6.0X12			2					
30	1	119865-11200	SUPPORT ASSY, ARM			1					
31	2	119810-11240	SHAFT ASSY, ROCKER			1					
34	2	129155-11260	SUPPORT, ROCKER ARM			2					
35	2	129155-11270	SUPPORT, ROCKER ARM			2					
36	2	129150-11280	SPRING			3					
37	2	719810-11650	ARM ASSY, ROCKER			6					
38	3	129150-11230	SCREW, VALVE ADJUST			6					
40	3	129150-11750	NUT, M8			6					
41	2	26226-080182	STUD, M8X 18			3					
42	1	119625-11871	PROTECTOR, NOZZLE			3					
42-1	1	119625-11870	PROTECTOR, NOZZLE			3					N
			(C=EXXX)								
43	1	119625-11880	SEAT, NOZZLE			3					
44	1	119625-11900	RETAINER, NOZZLE			3					
45	1	26106-080252	BOLT, M8X 25 PLATED			2					
46	1	26106-080502	BOLT, M8X 50 PLATED			6					
47	1	26366-060002	NUT, M6			6					
48	1	719810-11520	BONNET ASSY, HEAD			1					
49	2	124160-01751	COVER, FILLER			1					
50	2	129150-03020	COVER, BREATHER			1					
51	2	129150-03070	BAFFLE, BREATHER			1					
52	2	129150-03080	PLATE, BAFFLE			1					
55	2	119865-11310	GASKET, BONNET			1					
56	2	24311-000320	O-RING, 1AP32.0			1					
57	2	24341-000500	O-RING, 1AS50.0			1					
58	2	26106-080162	BOLT, M8X 16 PLATED			2					
59	1	124160-11360	KNOB			3					
60	1	24311-000120	O-RING, 1AP12.0			3					

Fig.6. SUCTION MANIFOLD & AIR CLEANER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119813-12100	MANIFOLD, AIR INTAKE	1	1		1				
3	1	119813-12110	GASKET, MANIFOLD	1	1		1				
4	1	26106-080252	BOLT, M8X 25 PLATED	6	6	4	6				
5	1	129619-12210	PIPE, AIR INTAKE	1	1	1	1				
6	1	121521-12400	CAP, RAIN	1	1	1	1				
7	1	129619-12560	BRACKET, AIR CLEANER	1	1	1	1				
7-1	1	129608-12560	BRACKET, AIR CLEANER	1	1	1	1				R
		(A=E12249) (B=E12274) (C=E12582) (D=E01796)									
8	1	23000-060000	CLAMP, 60	2	2	2	2				
9	1	26106-080182	BOLT, M8X 18 PLATED	4	4	4	4				
9-1	1	26013-080222	BOLT, M8X 22	4	4	4	4				N
		(A=E12249) (B=E12274) (C=E12582) (D=E01796)									
10	1	26106-080182	BOLT, M8X 18 PLATED	2	2	2	2				
10-1	1	26013-080222	BOLT, M8X 22	2	2	2	2				N
		(A=E12249) (B=E12274) (C=E12582) (D=E01796)									
11	1	129120-77501	HEATER	1	1	1	1				
12	1	129150-77511	GASKET	1	1	1	1				
13	1	26106-080352	BOLT, M8X 35 PLATED	4	4	4	4				
14	1	129608-12500	CLEANER ASSY, AIR	1	1	1	1				
14-1	1	129608-12501	CLEANER ASSY, AIR	1	1	1	1				R
		(A=E12249) (B=E12274) (C=E12582) (D=E01796)									
15	2	129608-12510	BODY ASSY	1	1	1	1				
15-1	2	129608-12511	BODY, AIR CLEANER	1	1	1	1				R
		(A=E12249) (B=E12274) (C=E12582) (D=E01796)									
16	2	119808-12520	ELEMENT	1	1	1	1				
17	2	119808-12530	COVER	1	1	1	1				
18	2	119808-12540	VALVE, UNLOADER	1	1	1	1				
19	1	119810-12111	GASKET, MANIFOLD				1				
20	1	171301-12701	MANIFOLD, AIR INTAKE				1				
21	1	119822-12500	CLEANER ASSY, AIR	1	1	1	1				W
		(A=E12249) (B=E12274) (C=E12582) (D=E01796)									
22	2	119822-12510	BODY, AIR CLEANER	1	1	1	1				W
		(A=E12249) (B=E12274) (C=E12582) (D=E01796)									
23	2	119808-12520	ELEMENT	1	1	1	1				W
		(A=E12249) (B=E12274) (C=E12582) (D=E01796)									
24	2	119808-12530	COVER	1	1	1	1				W
		(A=E12249) (B=E12274) (C=E12582) (D=E01796)									
25	2	129051-12530	ELEMENT	1	1	1	1				W
		(A=E12249) (B=E12274) (C=E12582) (D=E01796)									
26	2	119808-12540	VALVE, UNLOADER	1	1	1	1				W
		(A=E12249) (B=E12274) (C=E12582) (D=E01796)									
27	2	126650-12680	INDICATOR	1	1	1	1				W
		(A=E12249) (B=E12274) (C=E12582) (D=E01796)									

Fig.7. EXHAUST MANIFOLD & SILENCER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119813-13100	MANIFOLD, EXHAUST								
1-1	1	119888-13101	MANIFOLD, EXHAUST (C=FROM 1ST)	1	1	1	1				S
2	1	119813-13110	GASKET								
2-1	1	119810-13110	GASKET (C=FROM 1ST)			1					S
3	1	26106-080602	BOLT, M8X 60 PLATED	4	4	4	4				
4	1	26216-080222	STUD, M8X 22	4	4	4	4				
4-1	1	119131-18320	STUD, M8X22	4	4	4	4				N
5	1	194990-22050	NUT, M8	2	2	2	2				
5-1	1	26366-080002	NUT, M8	2	2	2	2				R
5-2	1	26306-080002	NUT, M8	2	2	2	2				N
6	1	26216-080602	STUD, M8X 60	2	2	2	2				
7	1	121000-13201	GASKET, SILENCER	1	1	1	1				
7-1	1	124701-11911	GASKET, SILENCER	1	1	1	1				R
8	1	119620-13501	SILENCER	1	1	1	1				
9	2	119620-13510	SILENCER ASSY	1	1	1	1				
10	2	119620-13520	PIPE ASSY, TAIL	1	1	1	1				
11	3	119620-13560	PIPE, TAIL	1	1	1	1				
12	3	124664-13580	CLAMP	1	1	1	1				
13	3	119368-13640	CAP. RAIN	1	1	1	1				
14	3	121855-13821	SPACER, A	1	1	1	1				
15	3	121855-13830	SPACER, B	2	2	2	2				
16	3	123500-13840	SPACER, C	1	1	1	1				
17	3	26106-080552	BOLT, M8X 55 PLATED	1	1	1	1				
18	3	26347-040002	NUT, M4	1	1	1	1				
19	3	26347-060002	NUT, M6	1	1	1	1				
20	3	26366-080002	NUT, M8	1	1	1	1				
20-1	3	26306-080002	NUT, M8	1	1	1	1				N
21	3	26557-040352	SCREW, M4X35	1	1	1	1				
22	3	26106-060402	BOLT, M6X 40 PLATED	1	1	1	1				
23	1	194990-22050	NUT, M8	4	4	4	4				
23-1	1	26366-080002	NUT, M8	4	4	4	4				R
23-2	1	26306-080002	NUT, M8	4	4	4	4				N
24	1	121000-13201	GASKET, SILENCER	1	1	1	1				1

Fig.8. CAMSHAFT & DRIVING GEAR

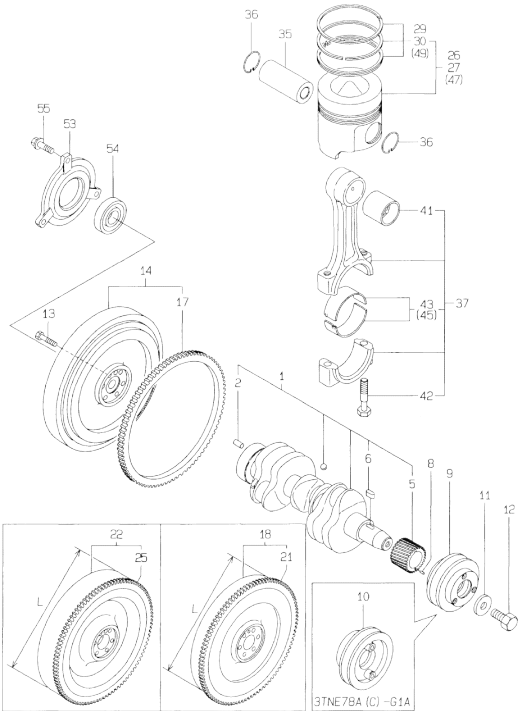


(1) REPAIR PART.

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

OCR10-M44901

Fig.9. CRANKSHAFT & PISTON



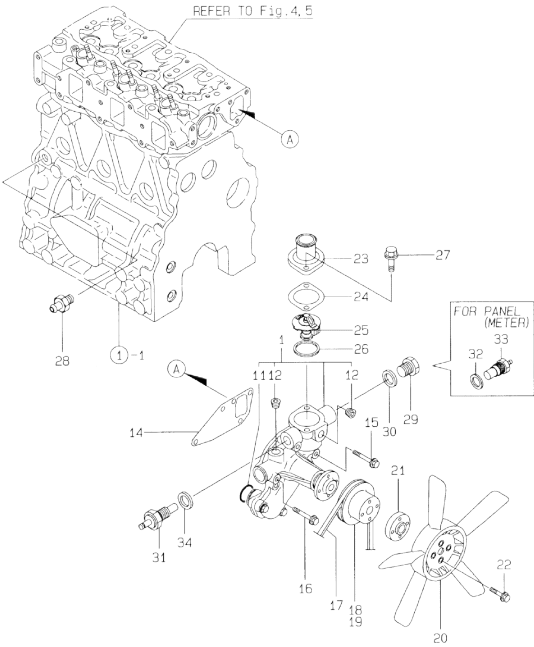
Remarks
(1) L= 335M/M.
(2) L= 300M/M.
(3) REPAIR PART.
(4) UNDER-SIZE(U.S=0.25)PART.
(5) OVER-SIZE(O.S=0.25)PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119813-21000	CRANKSHAFT ASSY	1	1	1	1				
2	2	129100-01580	PIN, M8X16	1	1	1	1				
5	2	129150-21200	GEAR, CRANKSHAFT	1	1	1	1				
6	2	22512-070140	KEY, 7X 14	1	1	1	1				
8	1	22351-040010	PIN, SPRING 4.0X10	1	1	1	1				
9	1	171301-21650	V-PULLEY	1		1					
10	1	129550-21650	V-PULLEY		1		1				
11	1	129795-21661	WASHER	1	1	1	1				
12	1	121850-21680	BOLT	1	1	1	1				
13	1	121111-21501	BOLT, FLYWHEEL	6	6	6	6				
14	1	119888-21590	FLYWHEEL ASSY	1		1					
17	2	119865-21600	GEAR, RING	1		1					
18	1	171301-21590	FLYWHEEL ASSY	1	1	1	1				1
21	2	124550-21600	GEAR, RING	1	1	1	1				1
22	1	171301-21580	FLYWHEEL ASSY	1		1					2
25	2	119865-21600	GEAR, RING	1		1					2
26	1	119818-22080	PISTON ASSY	3	3		3				
27	1	119818-22090	PISTON ASSY			3					
29	2	119818-22500	RING SET, PISTON	3	3		3				
30	2	119818-22510	RING SET, PISTON			3					
35	1	119813-22300	PIN, PISTON	3	3	3	3				
36	1	129792-22400	CIRCLIP, 23	6	6	6	6				
37	1	719810-23100	ROD ASSY, CONNECTING	3	3	3	3				
41	2	119810-23910	BEARING, PISTON PIN	3	3	3	3				3
42	2	119810-23200	BOLT, CONNECTING ROD	6	6	6	6				
43	2	119810-23600	BEARING, CRANK PIN	3	3	3	3				
45	1	119810-23610	BEARING, 0.25 US	3	3	3	3				4
47	1	119818-22900	PISTON ASSY, 0.25 OS	3	3	3	3				5
49	2	119818-22950	RING SET, 0.25 OS	3	3	3	3				5
53	1	119888-21450	RETAINER, BEARING	1							
54	1	24104-062054	BEARING, BALL 6205UU	1							
55	1	26106-080222	BOLT, M8X 22 PLATED	3							



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

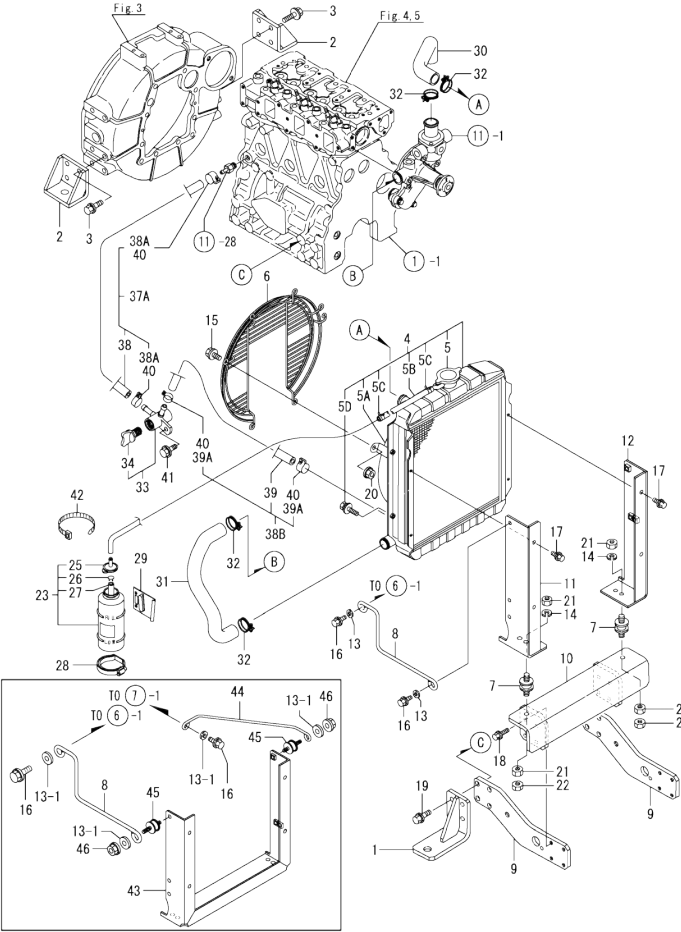
Fig.11. COOLING WATER SYSTEM



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119810-42001	PUMP ASSY, WATER	1	1	1	1				
11	2	129150-42320	O-RING	1	1	1	1				
12	2	23871-030000	PLUG, R03	2	2	2	2				
12-1	2	23876-030000	PLUG, R03	2	2	2	2			N	
		(A=E-XXXX) (B=E-XXXX) (C=E-XXXX) (D=E-XXXX)									
14	1	129150-42020	GASKET, WATER PUMP	1	1	1	1				
15	1	26106-080352	BOLT, M8X 35 PLATED	1	1	1	1				
16	1	26106-080552	BOLT, M8X 55 PLATED	3	3	3	3				
17	1	25132-003900	V-BELT, A39	1	1	1	1				
18	1	129403-42380	V-PULLEY, D=110	1	1	1	1				
19	1	129155-42350	V-PULLEY		1	1	1				
20	1	124700-44740	FAN, COOLING 5X310	1	1	1	1				
21	1	124574-44761	SPACER, FAN	1	1	1	1				
22	1	26106-060202	BOLT, M6X 20 PLATED	4	4	4	4				
23	1	129350-49530	COVER, THERMOSTAT	1	1	1	1				
24	1	129795-49551	GASKET	1	1	1	1				
25	1	129155-49800	THERMOSTAT, 71	1	1	1	1				
26	1	129150-49811	GASKET, THERMOSTAT	1	1	1	1				
27	1	26106-080202	BOLT, M8X 20 PLATED	2	2	2	2				
27-1	1	26106-080222	BOLT, M8X 22 PLATED	2	2	2	2			N	
		(A=E-XXXX) (B=E-XXXX) (C=E-XXXX) (D=E-XXXX)									
28	1	121550-49111	JOINT, PT1/4	1	1	1	1				
29	1	121450-42450	PLUG, M16	1	1	1	1				
30	1	124465-44950	GASKET, 16	1	1	1	1				
31	1	124250-49351	SENSOR	1	1	1	1				
32	1	129150-49360	GASKET	1	1	1	1				1
33	1	121250-44901	SWITCH, 110	1	1	1	1				1
34	1	124465-44950	GASKET, 16	1	1	1	1				

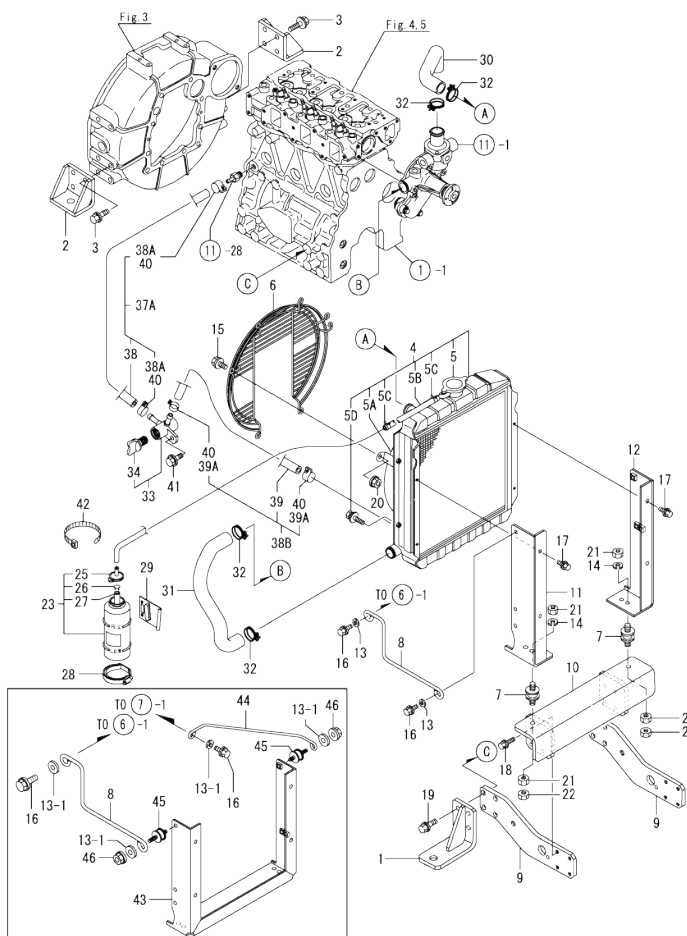
Remarks
(1) FOR PANEL(METER).

Fig.12. RADIATOR



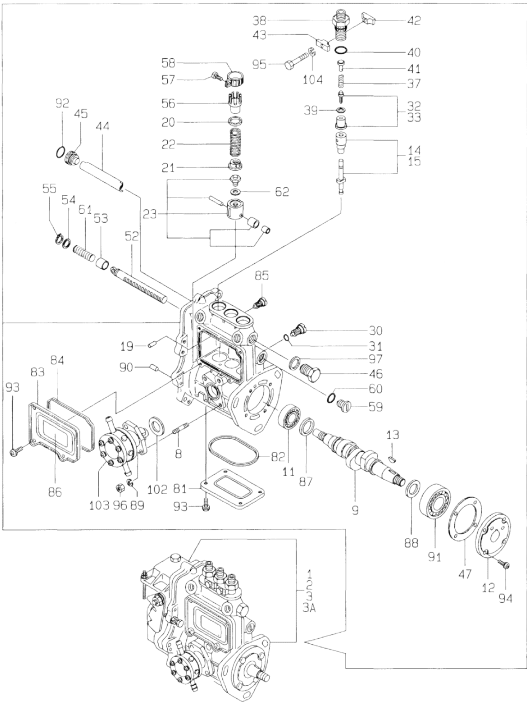
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119888-08100	FOOT	2	2		2				
2	1	119888-08110	FOOT	2	2		2				
3	1	26106-100202	BOLT, M10X 20 PLATED	8	8		8				
4	1	119621-44500	RADIATOR	1	1	1	1				
5	2	119259-44570	CAP, RADIATOR	1	1	1	1				
5A	2	X2411365340	SHROUD	1	1	1	1				W
5B	2	129132-44530	HOSE, RUBBER	1	1	1	1				W
5C	2	121250-44590	CLAMP	2	2	2	2				W
5D	2	26014-080162	BOLT, M8X 16	4	4	4	4				W
6	1	119621-44560	GUARD	1	1	1	1				
7	1	121400-44650	ABSORBER	2	2		2				
8	1	119822-44940	RETAINER, RADIATOR	1	1		1				
9	1	119888-44950	BRACKET	2	2		2				
10	1	119888-44960	BRACKET	1	1		1				
11	1	119888-44970	SUPPORT, A	1	1		1				Z
12	1	119888-44980	SUPPORT, B	1	1		1				Z
13	1	22137-080000	WASHER, 8	2	2		2				
13-1	1	22137-080000	WASHER, 8	4	4		4				K
14	1	22217-100000	WASHER, SPRING 10	2	2		2				
15	1	26106-080122	BOLT, M8X 12 PLATED	6	6	6	6				
16	1	26106-080162	BOLT, M8X 16 PLATED	2	2		2				
17	1	26106-080202	BOLT, M8X 20 PLATED	4	4		4				
18	1	26106-080252	BOLT, M8X 25 PLATED	8	8		8				
19	1	26206-120302	BOLT, M12X 30 PLATED	8	8		8				
20	1	26366-080002	NUT, M8	6	6	6	6				
20-1	1	26306-080002	NUT, M8	6	6	6	6				N
21	1	26716-100002	NUT, M10	4	4		4				
22	1	26756-100002	NUT, LOCK M10	2	2		2				
23	1	124450-44510	TANK ASSY, SUB	1	1	1	1				
25	2	124450-44530	CAP	1	1	1	1				
26	2	124450-44560	RETAINER	1	1	1	1				
27	2	23061-070230	PIPE, 7X 230	1	1	1	1				
28	1	124450-44550	BAND	1	1	1	1				
29	1	121256-44600	BRACKET, SUB TANK	1	1	1	1				
30	1	171301-49010	PIPE, WATER	1	1	1	1				
31	1	171301-49020	PIPE, WATER	1	1	1	1				
32	1	23010-038000	CLAMP, 38	4	4	4	4				
33	1	129150-49100	COCK ASSY, 3-WAY	1	1	1	1				
34	2	129150-49080	COCK, DRAIN	1	1	1	1				
37A	1	129210-49280	PIPE ASSY, DRAIN	1	1		1				W
38	2	121737-49160	PIPE, WATER DRAIN	1	1		1				
38A	2	124766-59050	CLIP, HOSE 12	2	2		2				W

N:Old, Q:Old, R:Old, S:Old, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
38B	(A=EXXX)	(B=EXXX)	(D=EXXX)								
	1	129210-49120	PIPE ASSY, DRAIN		1	1	1			W	
39	(A=EXXX)	(B=EXXX)	(D=EXXX)								
	2	121520-49160	PIPE, WATER DRAIN		1	1	1				
39A		124766-59050	CLIP, HOSE 12		2	2	2			W	
	(A=EXXX)	(B=EXXX)	(D=EXXX)								
40	1	124766-59050	CLIP, HOSE 12		4	4	4			Z	
41	(A=EXXX)	(B=EXXX)	(D=EXXX)								
	1	26106-080162	BOLT, M8X 16 PLATED		1	1	1				
42	1	121750-59890	BAND, 140		1	1	1			W	
43	(A=EXXX)	(B=EXXX)	(D=EXXX)								
	1	119822-44970	SUPPORT, RADIATOR		1	1	1			W	
44	(A=EZZZZZ)	(B=EZZZZZ)	(D=EZZZZZ)								
	1	119822-44950	RETAINER, RADIATOR		1	1	1			W	
45	(A=EZZZZZ)	(B=EZZZZZ)	(D=EZZZZZ)								
	1	121400-44640	ABSORBER		2	2	2			W	
46	(A=EZZZZZ)	(B=EZZZZZ)	(D=EZZZZZ)								
	1	26366-080002	NUT, M8		2	2	2			W	

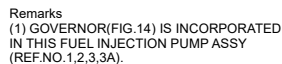
Fig.13. FUEL INJECTION PUMP



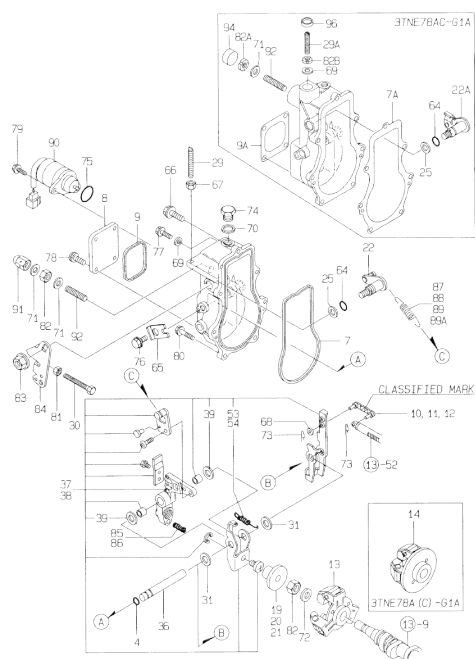
Remarks
(1) GOVERNOR(FIG.14) IS INCORPORATED
IN THIS FUEL INJECTION PUMP ASSY
(REF.NO.1,2,3,3A).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719822-51370	PUMP ASSY, INJECTION	1							1
2	1	719989-51310	PUMP ASSY, INJECTION		1						1
3	1	719822-51400	PUMP ASSY, INJECTION			1					1
3A	1	719822-51310	PUMP ASSY, INJECTION				1				1
8	2	129155-51020	STUD	2	2	2	2				
9	2	119810-51040	CAMSHAFT	1	1	1	1				
11	2	129155-51050	BEARING, 17BM001D	1	1	1	1				
12	2	129155-51060	SUPPORT, CAMSHAFT	1	1	1	1				
13	2	122710-51090	KEY	1	1	1	1				
14	2	129108-51100	PLUNGER ASSY	3	3			3			
15	2	129411-51200	PLUNGER ASSY			3					
19	2	129155-51140	PIN	3	3	3	3				
20	2	174307-51170	RETAINER, SPRING A	3	3	3	3				
21	2	129155-51180	RETAINER, SPRING	3	3	3	3				
22	2	124950-51190	SPRING, PLUNGER	3	3	3	3				
23	2	129155-51200	TAPPET ASSY	3	3	3	3				
30	2	129155-51270	STOPPER, TAPPET	3	3	3	3				
31	2	129155-51280	O-RING, S6	3	3	3	3				
32	2	129100-51300	VALVE ASSY, DELIVERY	3	3						
33	2	128170-51300	VALVE ASSY, DELIVERY			3	3				
37	2	129155-51320	SPRING, DELIVERY	3	3	3	3				
38	2	129155-51340	RETAINER	3	3	3	3				
39	2	124550-51350	GASKET, DELIVERY	3	3	3	3				
40	2	124550-51370	O-RING	3	3	3	3				
41	2	129155-51370	STOPPER, VALVE	3	3	3	3				
42	2	129155-51380	STOPPER	2	2	2	2				
43	2	129155-51390	STOPPER	2	2	2	2				
44	2	129155-51400	DEFLECTOR	1	1	1	1				
45	2	129155-51410	BOLT	1	1	1	1				
46	2	129155-51420	PLUG, M16	1	1	1	1				
47	2	129155-51450	SHIM SET, ADJUSTING	1	1	1	1				
52	2	129155-51500	RACK, CONTROL	1	1	1	1				
53	2	129155-51521	BUSH, RACK	1	1	1	1				
54	2	129155-51530	SPACER	1	1	1	1				
55	2	129155-51540	CIRCLIP	1	1	1	1				
56	2	129155-51550	PINION, CONTROL	3	3	3	3				
57	2	122117-51560	SCREW	3	3	3	3				
58	2	174307-51560	PINION	3	3	3	3				
59	2	129155-51570	PLUG, M12	1	1	1	1				
60	2	129155-51580	O-RING	1	1	1	1				
61	2	129155-51591	SPRING, RACK	1	1	1	1				
62	2	129155-51600	SHIM SET, ADJUSTING	3	3	3	3				
81	2	129155-51700	COVER	1	1	1	1				
82	2	129155-51710	GASKET	1	1	1	1				
83	2	129155-51750	COVER	1	1	1	1				
84	2	129155-51760	GASKET	1	1	1	1				
85	2	129155-51790	STOOPER, RACK	1	1	1	1				
86	2	129156-51910	LABEL, CAUTION	1	1	1	1				
87	2	129155-51930	SPACER, T=3.25	1	1	1	1				
88	2	129155-51940	SPACER, T=1.5	1	1	1	1				
89	2	22217-060000	WASHER, SPRING 6	2	2	2	2				

Fig.13. FUEL INJECTION PUMP

[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

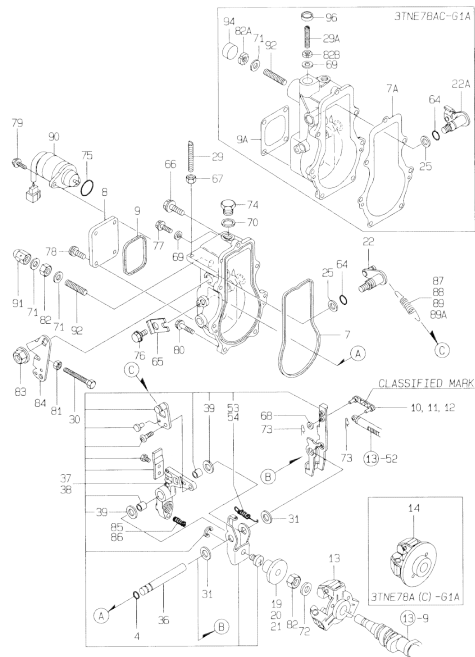


* THIS FIGURE(GOVERNOR ASSY) IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY(FIG.13).

N:Old $\xleftrightarrow{\text{Yes}} \text{New}$, Q:Old $\xleftrightarrow{\text{No}} \text{New}$, R:Old $\xleftrightarrow{\text{Yes}} \text{New}$, S:Old $\xleftrightarrow{\text{No}} \text{New}$, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++ Copyright (C) YANMAR CO., LTD. All Rights Reserved.

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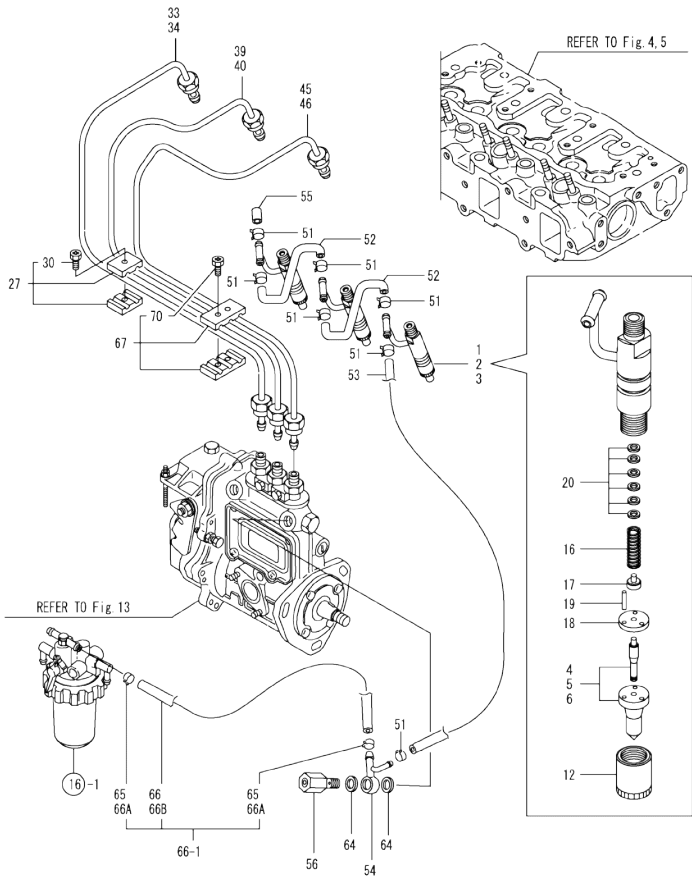
Fig.14. GOVERNOR



Remarks
(1) SELECTIVE PARTS: CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REFER TO ILLUSTRATION).
(2) SELECTIVE PARTS.
(3) REPAIR PART.
* THIS FIGURE(GOVERNOR ASSY) IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY(FIG.13).

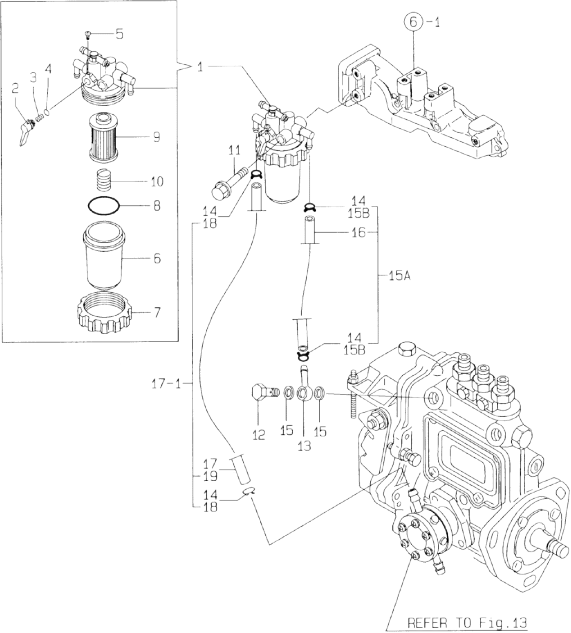
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
82B	2	119685-61950	NUT, M6				1				
83	2	26366-080002	NUT, M8	1	1	1	1				
84	2	129100-61440	LEVER, CONTROL	1	1	1					
84-1	2	171488-61440	LEVER, CONTROL		1		1			N	
		(B=E15302)									
85	2	129100-61650	SPRING, CONTROLLER	1							
86	2	129500-61650	SPRING, FUEL CONTROL		1	1	1				
87	2	171353-61700	SPRING, GOVERNOR	1							
88	2	129477-61720	SPRING, GOVERNOR		1						
89	2	129500-61700	SPRING, GOVERNOR				1				
89A	2	129477-61710	SPRING, GOVERNOR				1				
90	2	119653-77950	SOLENOID, STOP	1	1	1	1				
91	2	26687-120002	NUT, CAP M12	1	1	1	1				
92	2	129155-61470	BOLT, CONTROL	1	1	1	1				
94	1	119621-66610	PLUG, 22				1				3
96	1	119621-66710	PLUG, 14				1				3

Fig.15. FUEL INJECTION VALVE



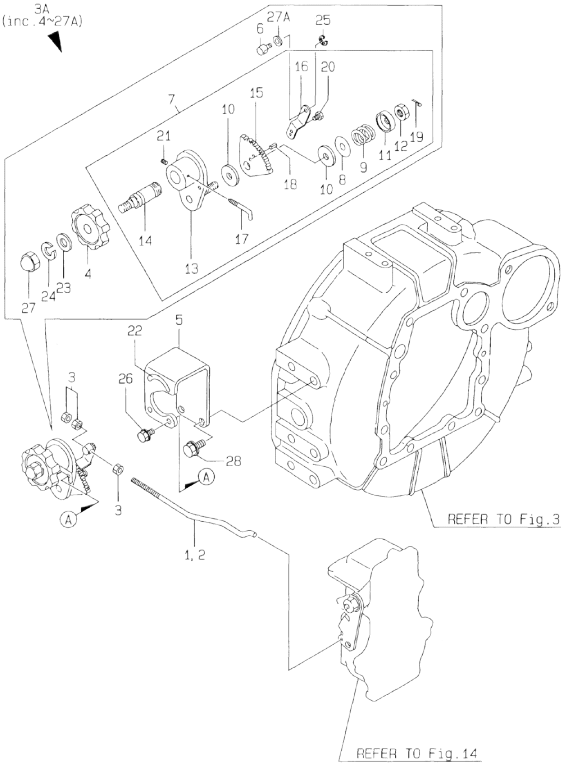
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729500-53200	VALVE ASSY,INJECTION	3							
2	1	719818-53100	VALVE ASSY,INJECTION		3		3				
3	1	729102-53100	VALVE ASSY,INJECTION			3					
4	2	129500-53050	VALVE ASSY,INJECTION	3							
5	2	119818-53000	VALVE ASSY,INJECTION		3		3				
6	2	129102-53000	VALVE ASSY,INJECTION			3					
12	2	114250-53080	NUT, NOZZLE D16.95	3	3	3	3				
16	2	114250-53120	SPRING, NOZZLE	3	3	3	3				
17	2	114250-53130	SEAT, SPRING	3	3	3	3				
18	2	114250-53140	PLATE	3	3	3	3				
19	2	114250-53210	PIN	6	6	6	6				
20	2	114250-53400	SHIM SET	3	3	3	3				
27	1	119305-59120	RETAINER, PIPE	1	1		1				
30	2	129150-59131	BOLT, M4X14	1	1		1				
33	1	119813-59811	PIPE ASSY, INJECTION	1	1		1				
33-1	1	119813-59812	PIPE ASSY, INJECTION	1	1		1				R
(A=E14921) (B=E14920) (D=E01893)											
34	1	119811-59810	PIPE ASSY, INJECTION				1				
39	1	119813-59821	PIPE ASSY, INJECTION	1	1		1				
40	1	119811-59820	PIPE ASSY, INJECTION			1					
45	1	119813-59831	PIPE ASSY, INJECTION	1	1		1				
46	1	119811-59830	PIPE ASSY, INJECTION				1				
51	1	124066-59100	CLIP, HOSE 8	7	7	7	7				
52	1	121250-59550	PIPE, FUEL D8X120	2	2	2	2				
53	1	119840-59560	PIPE, FUEL RETURN	1	1	1	1				
54	1	119840-59570	JOINT	1	1	1	1				
55	1	129150-59580	CAP	1	1	1	1				
56	1	129100-59951	VALVE ASSY, CHECK	1	1	1	1				
64	1	23414-120000	GASKET, 12X1.0	2	2	2	2				
65	1	124766-59050	CLIP, HOSE 12	2	2	2	2				Z
(A=E14921) (B=E14920) (C=E14922) (D=E01893)											
66	1	129255-59580	PIPE, FUEL	1	1	1	1				
66-1	1	129210-59130	PIPE ASSY, FUEL	1	1	1	1				N
(A=E14921) (B=E14920) (C=E14922) (D=E01893)											
66A	2	124766-59050	CLIP, HOSE 12	2	2	2	2				W
(A=E14921) (B=E14920) (C=E14922) (D=E01893)											
66B	2	105025-59750	PIPE, FUEL	1	1	1	1				W
(A=E14921) (B=E14920) (C=E14922) (D=E01893)											
67	1	129150-59120	RETAINER, PIPE	1	1	1	1				
70	2	129150-59131	BOLT, M4X14	2	2	2	2				

Fig.16. FUEL FILTER



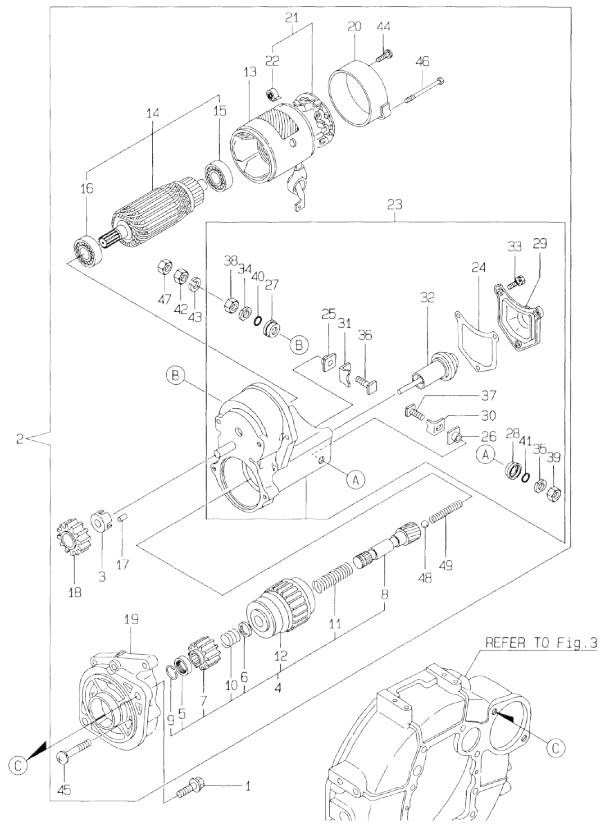
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119833-55620	FILTER ASSY, FUEL	1	1	1	1				
2	2	119810-55340	LEVER	1	1	1	1				
3	2	104200-55330	SPRING, VALVE	1	1	1	1				
4	2	24311-240100	O-RING, 1AP10A	1	1	1	1				
5	2	104200-55750	SCREW, M4	1	1	1	1				
6	2	121254-55510	COVER	1	1	1	1				
7	2	110250-55610	RING, RETAINING	1	1	1	1				
8	2	102103-55520	O-RING	1	1	1	1				
9	2	119810-55650	ELEMENT	1	1	1	1				
10	2	121250-55620	SPRING	1	1	1	1				
11	1	26014-080702	BOLT, M8X 70	1	1	1	1				
12	1	103854-39140	BOLT, PIPE JOINT	1	1	1	1				
13	1	101304-59020	JOINT, PIPE 12	1	1	1	1				
14	1	124766-59050	CLIP, HOSE 12	4	4	4	4				Z
(A=E14921) (B=E14920) (C=E14922) (D=E01893)											
15	1	104200-59170	GASKET, 12	2	2	2	2				
15-1	1	22190-120002	WASHER, SEAL 12	2	2	2	2				N
(A=E10184) (B=E10615) (C=E10201) (D=E00973)											
15A	1	129210-59040	PIPE ASSY, FUEL	1	1	1	1				W
(A=E14921) (B=E14920) (C=E14922) (D=E01893)											
15B	2	124766-59050	CLIP, HOSE 12	2	2	2	2				W
(A=E14921) (B=E14920) (C=E14922) (D=E01893)											
16	2	129555-59510	PIPE, D13/7.5X180	1	1	1	1				
17	1	129255-59580	PIPE, FUEL	1	1	1	1				
17-1	1	129210-59130	PIPE ASSY, FUEL	1	1	1	1				N
(A=E14921) (B=E14920) (C=E14922) (D=E01893)											
18	2	124766-59050	CLIP, HOSE 12	2	2	2	2				W
(A=E14921) (B=E14920) (C=E14922) (D=E01893)											
19	2	105025-59750	PIPE, FUEL	1	1	1	1				W
(A=E14921) (B=E14920) (C=E14922) (D=E01893)											

Fig.17. ENGINE CONTROL DEVICE



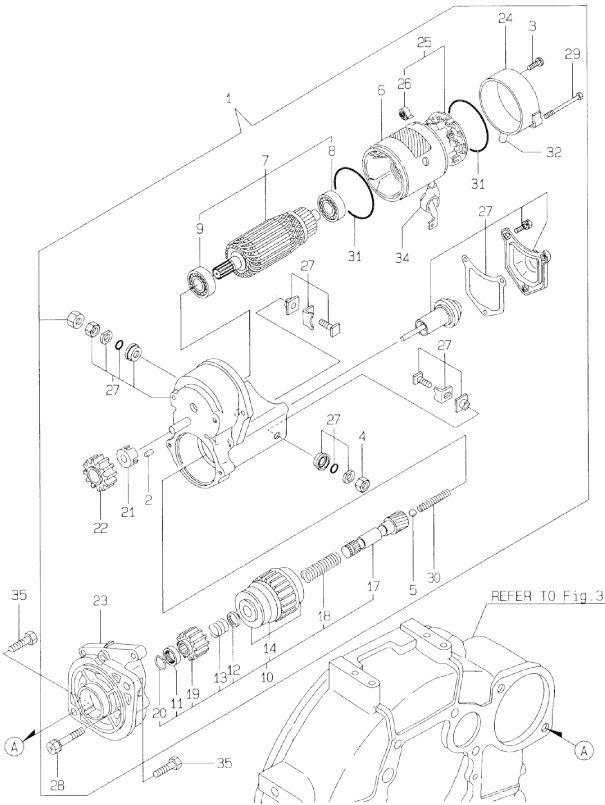
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119888-66120	LINK, ENGINE CONTROL	1		1					
2	1	119888-66150	LINK		1		1				
3	1	26756-050002	NUT, LOCK M5	3	3	3	3				
3A	1	119888-66160	CONTROLLER ASSY	1	1	1	1				W
		(A=E15122) (B=E15156) (C=E15132) (D=E01893)									
4	2	126650-66020	HANDLE, REGULATOR	1	1	1	1				
5	2	119888-66110	BRACKET	1	1	1	1				
6	2	119888-66130	PIVOT	1	1	1	1				
7	2	171048-67010	CONTROLLER ASSY	1	1	1	1				
8	3	171102-66080	WASHER	1	1	1	1				
9	3	104200-66820	SPRING	1	1	1	1				
10	3	104200-66830	PLATE, FRICTION	2	2	2	2				
11	3	104200-66850	WASHER	1	1	1	1				
12	3	104200-66860	NUT	1	1	1	1				
13	3	171085-67100	BRACKET	1	1	1	1				
14	3	171085-67110	SHAFT, DRIVE	1	1	1	1				
15	3	171085-67120	GEAR	1	1	1	1				
16	3	171048-67130	LEVER	1	1	1	1				
17	3	171048-67140	STOPPER	1	1	1	1				
18	3	22351-020006	PIN, SPRING 2.0X 6	1	1	1	1				
19	3	22411-200150	COTTER PIN	1	1	1	1				
20	3	26116-060082	BOLT, M6X 8 PLATED	1	1	1	1				
21	3	26921-050122	SCREW, M5X12	1	1	1	1				
22	2	170064-67210	LABEL, HANDLE	1	1	1	1				
23	2	22117-100000	WASHER, 10	1	1	1	1				
23-1	2	22137-100000	WASHER, 10	1	1	1	1				N
		(A=E0000) (B=E0000) (C=E0000) (D=E0000)									
24	2	22217-100000	WASHER, SPRING 10	1	1	1	1				
25	2	22272-000050	RING, E- 5	1	1	1	1				
26	2	26106-060102	BOLT, M6X 10 PLATED	2	2	2	2				
27	2	26657-100002	NUT, CAP M10	1	1	1	1				
27A	2	22117-060000	WASHER, 6	1	1	1	1				W
		(A=E0000) (B=E0000) (C=E0000) (D=E0000)									
28	1	26106-080162	BOLT, M8X 16 PLATED	2	2	2	2				

Fig.18. STARTING MOTOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	26116-120252	BOLT, M12X 25 PLATED	2	2	2	2				
2	1	124520-77011	STARTER	1	1	1	1				
3	2	X0280630011	RETAINER	1	1	1	1				
4	2	X0280992761	CLUTCH KIT	1	1	1	1				
5	3	X0280210230	NUT	1	1	1	1				
6	3	X0283270140	RETAINER	1	1	1	1				
7	3	X0283712350	PINION, STARTER	1	1	1	1				
8	3	X0283810040	SHAFT	1	1	1	1				
9	3	X9490721080	RING	1	1	1	1				
10	3	X9491703371	SPRING, COIL	1	1	1	1				
11	3	X9491704260	SPRING	1	1	1	1				
12	3	121120-77930	CASE ASSY, STARTER	1	1	1	1				
13	2	X0281003751	YOKE ASSY	1	1	1	1				
14	2	X0282001531	ARMATURE ASSY	1	1	1	1				
15	3	X9491001360	BEARING	1	1	1	1				
16	3	X9491001860	BEARING, BALL	1	1	1	1				
17	2	X0283060061	ROLLER	5	5	5	5				
18	2	X0283711420	PINION	1	1	1	1				
19	2	X0284004910	HOUSING	1	1	1	1				
20	2	X0285040631	FRAME ASSY	1	1	1	1				
21	2	X0285100460	HOLDER ASSY, BRUSH	1	1	1	1				
22	3	X9491730461	SPRING	4	4	4	4				
23	2	X0534006460	SWITCH	1	1	1	1				
24	3	X0534040320	GASKET	1	1	1	1				
25	3	X0534490120	BUSH	1	1	1	1				
26	3	X0534490120	BUSH	1	1	1	1				
27	3	X0534490230	BUSH	1	1	1	1				
28	3	X0534490230	BUSH	1	1	1	1				
29	3	X0535050620	COVER	1	1	1	1				
30	3	X0535130241	PLATE	1	1	1	1				
31	3	X0535130320	PLATE	1	1	1	1				
32	3	X0536600401	PLUNGER	1	1	1	1				
33	3	X9151005141	BOLT	3	3	3	3				
34	3	X9490170900	WASHER	1	1	1	1				
35	3	X9490170900	WASHER	1	1	1	1				
36	3	X9490441303	BOLT	1	1	1	1				
37	3	X9490441312	BOLT	1	1	1	1				
38	3	X9490502820	NUT	1	1	1	1				
39	3	X9490502820	NUT	1	1	1	1				
40	3	X9491402100	O-RING	1	1	1	1				
41	3	X9491402100	O-RING	1	1	1	1				
42	2	X9019008651	NUT	1	1	1	1				
43	2	X9025808001	WASHER	1	1	1	1				
44	2	X9490071810	SCREW	2	2	2	2				
45	2	X9490071970	SCREW	2	2	2	2				
46	2	X9490423330	BOLT	2	2	2	2				
47	2	X9490561370	NUT	1	1	1	1				
48	2	X9491200240	BALL	1	1	1	1				
49	2	X9491703380	SPRING	1	1	1	1				

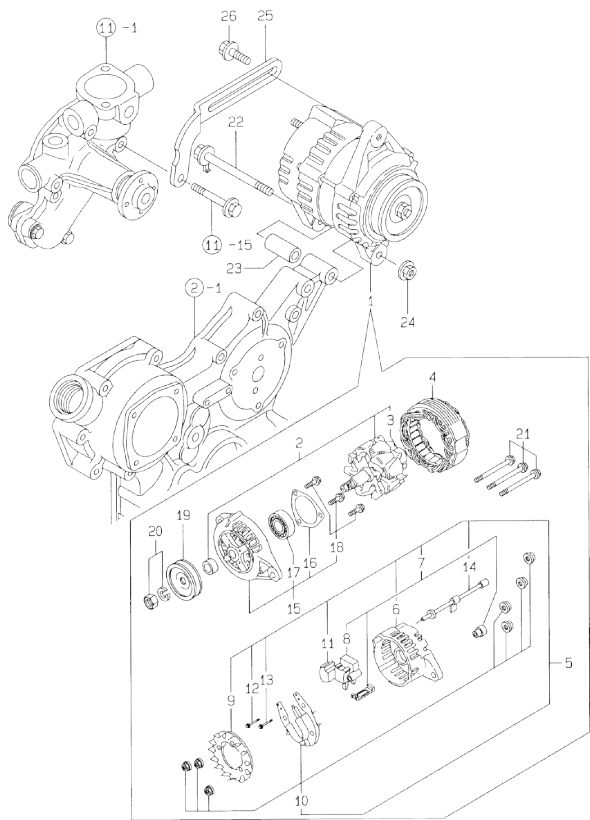
Fig.19. STARTING MOTOR(COLD DISTRICT)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129129-77010	STARTER ASSY	1	1	1	1				
2	2	X0283060061	ROLLER	5	5	5	5				
3	2	X0289030010	SCREW	2	2	2	2				
3-1	2	129129-77460	SCREW	2	2	2	2				R
		(A=E12915) (B=E12951) (C=E12840) (D=E01796)									
4	2	X9490561370	NUT	1	1	1	1				
5	2	X9491200240	BALL	1	1	1	1				
6	2	129129-77210	YOKE ASSY	1	1	1	1				
7	2	129129-77220	ARMATURE ASSY	1	1	1	1				
8	3	129129-77230	BEARING	1	1	1	1				
9	3	129129-77240	BEARING	1	1	1	1				
10	2	129129-77250	STARTER	1	1	1	1				
11	3	X0280210230	NUT	1	1	1	1				
12	3	X0283270140	RETAINER	1	1	1	1				
13	3	X9491703371	SPRING, COIL	1	1	1	1				
14	3	129129-77390	CLUTCH ASSY	1	1	1	1				
17	3	129129-77400	SHAFT	1	1	1	1				
18	3	129129-77410	SPRING, COIL	1	1	1	1				
19	3	129129-77420	PINION, STARTER	1	1	1	1				
20	3	129129-77430	RING	1	1	1	1				
21	2	129129-77260	RETAINER	1	1	1	1				
22	2	129129-77270	PINION	1	1	1	1				
23	2	129129-77280	HOUSING	1	1	1	1				
24	2	129129-77290	FRAME	1	1	1	1				
25	2	129129-77300	HOLDER ASSY	1	1	1	1				
26	3	X9491730461	SPRING	4	4	4	4				
27	2	129129-77310	SWITCH ASSY	1	1	1	1				
28	2	129129-77320	BOLT	2	2	2	2				
29	2	129129-77330	BOLT	2	2	2	2				
30	2	129129-77340	SPRING	1	1	1	1				
31	2	129129-77350	O-RING	2	2	2	2				
32	2	129129-77361	BUSH	1	1	1	1				
32-1	2	129129-77362	COVER	1	1	1	1				R
		(A=E12915) (B=E12951) (C=E12840) (D=E01796)									
34	2	129129-77380	CAP	1	1	1	1				
35	1	26116-120252	BOLT, M12X 25 PLATED	2	2	2	2				

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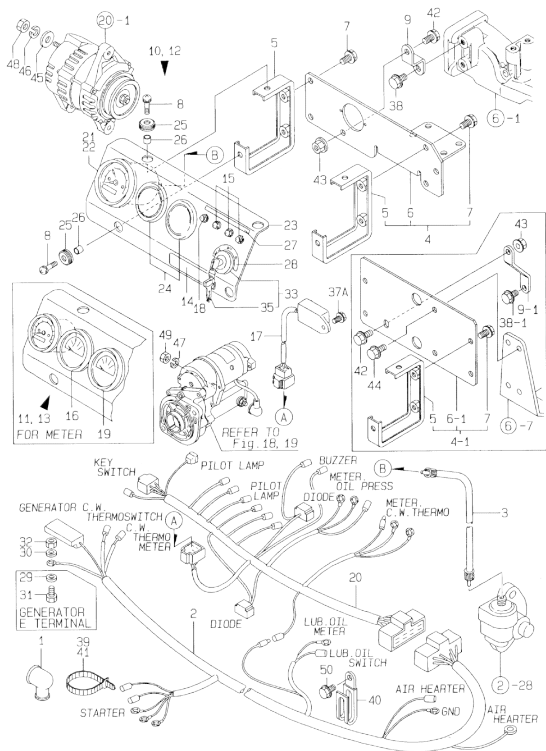
Fig.20. GENERATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119836-77200	GENERATOR	1	1	1	1				
2	2	119836-77700	ROTOR ASSY	1	1	1	1				
3	3	119836-77850	BALL BEARING	1	1	1	1				
4	2	119836-77710	STATOR ASSY	1	1	1	1				
5	2	119836-77721	COVER ASSY, REAR	1	1	1	1				
6	3	119836-77730	COVER, REAR	1	1	1	1				
7	3	119836-77741	BRUSH ASSY,REGULATOR	1	1	1	1				
8	4	119836-77750	BRUSH ASSY	1	1	1	1				
9	3	119836-77760	GUIDE, FAN SIDE	1	1	1	1				
10	3	119836-77770	DIODE ASSY	1	1	1	1				
11	3	119836-77780	CONDENSER	1	1	1	1				
12	3	119836-77871	BOLT (1)	1	1	1	1				
13	3	119836-77880	BOLT (2)	1	1	1	1				
14	3	119836-77890	WIRE ASSY, LEAD	1	1	1	1				
15	2	119836-77790	COVER ASSY, FRONT	1	1	1	1				
16	3	119836-77800	RETAINER, BEARING	1	1	1	1				
17	3	119836-77840	BALL BEARING	1	1	1	1				
18	3	119836-77860	SCREW KID	1	1	1	1				
19	2	119836-77810	PULLEY	1	1	1	1				
20	2	119836-77820	NUT ASSY, PULLEY	1	1	1	1				
21	2	119836-77830	BOLT, THROUGH	1	1	1	1				
22	1	129136-77250	BOLT M 8X105	1	1	1	1				
22-1	1	129136-77251	BOLT, M8X110	1	1	1	1				N
(A=E14548) (B=E14653) (C=E14549) (D=E01873)											
23	1	119820-77340	PIECE, DISTANCE	1	1	1	1				
24	1	26366-080002	NUT, M8	1	1	1	1				
25	1	129100-77330	ADJUSTER	1	1	1	1				
26	1	26014-080252	BOLT, M8X 25	1	1	1	1				
26-1	1	119810-77340	BOLT, ADJUSTER	1	1	1	1				N
(A=E14548) (B=E14653) (C=E14549) (D=E01873)											

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Fig.21. PANEL



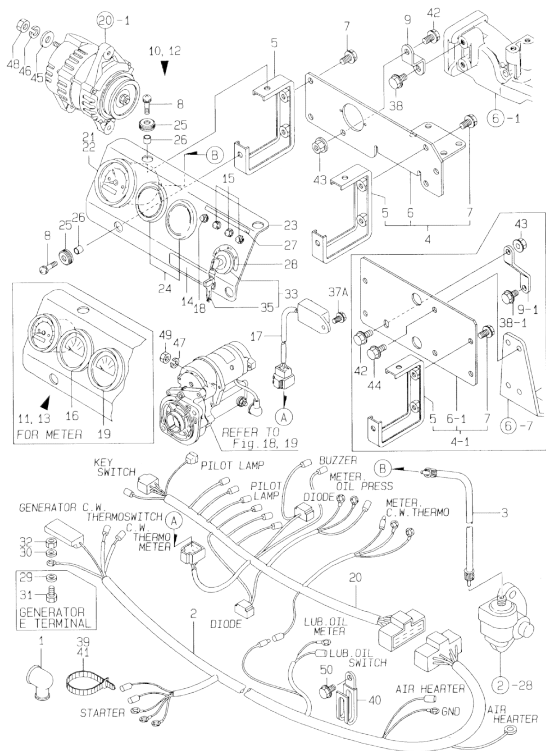
Remarks
(1) WITH C.W.THERMOMETER(REF.NO.16,
P/# 171010-77850) & PRESSURE
GAUGE(REF.NO.19,P/# 171090-91010).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124550-77030	COVER, TERMINAL	1	1	1	1				
2	1	119888-91022	HARNESS, WIRE	1	1	1	1				
3	1	124701-91140	CABLE, L=985	1	1	1	1				
4	1	119888-91150	BRACKET ASSY	1	1	1	1				
4-1	1	129608-91150	BRACKET ASSY	1	1	1	1				N
(A=E10184) (B=E10615) (C=E10201)											
4-2	1	129608-91151	BRACKET ASSY	1	1	1	1				N
(A=E12915) (B=E12951) (C=E12582) (D=E01796)											
5	2	119888-91120	SUPPORT	2	2	2	2				
6	2	119888-91130	BRACKET, PANEL	1	1	1	1				
6-1	2	129608-91130	BRACKET, PANEL	1	1	1	1				N
(A=E10184) (B=E10615) (C=E10201)											
6-2	2	129608-91131	BRACKET, PANEL	1	1	1	1				N
(A=E12915) (B=E12951) (C=E12582) (D=E01796)											
7	2	26106-080122	BOLT, M8X 12 PLATED	4	4	4	4				
8	1	26033-060202	SCREW M 6X 20	4	4	4	4				
9	1	119888-91141	RETAINER, PANEL	1	1	1	1				
9-1	1	129608-91140	RETAINER, PANEL	1	1	1	1				N
(A=E10184) (B=E10615) (C=E10201)											
10	1	119888-91101	PANEL ASSY	1	1	1	1				1
11	1	119888-91201	PANEL ASSY	1	1	1	1				
12	1	119888-91301	PANEL ASSY, INSTRUM		1	1	1				1
13	1	119888-91311	PANEL ASSY		1	1	1				
14	2	104507-07190	LABEL, YANMAR	1	1	1	1				
15	2	124732-77720	LAMP, CHARGING	3	3	3	3				
16	2	171010-77850	THERMOSTAT	1	1	1	1				
17	2	128300-77920	TIMER	1	1	1	1				
18	2	124559-77971	LAMP, PILOT	1	1	1	1				
19	2	171090-91010	GAUGE	1	1	1	1				
20	2	119888-91031	HARNESS, WIRE	1	1	1	1				
21	2	171080-91100	TACHOMETER	1	1	1	1				
22	2	171082-91100	TACHOMETER		1	1	1				
23	2	119888-91110	BODY, PANEL	1	1	1	1				
24	2	124770-91220	COVER	2	2	2	2				
25	2	121400-91520	ABSORBER	4	4	4	4				
26	2	121400-91530	SPACER	4	4	4	4				
27	2	119888-91610	LABEL, CW & OIL LAMP	1	1	1	1				
28	2	119888-91620	LABEL, KEY SWITCH	1	1	1	1				
29	2	22117-050000	WASHER, 5	1	1	1	1				
30	2	22117-050000	WASHER, 5	1	1	1	1				
31	2	26116-050102	BOLT, M5X 10 PLATED	1	1	1	1				
32	2	26716-050002	NUT, M5	1	1	1	1				
33	2	933110-00100	SWITCH ASSY, STARTER	1	1	1	1				
35	3	933110-00301	KEY ASSY	1	1	1	1				
37A	2	26106-060102	BOLT, M6X 10 PLATED	1	1	1	1				W
(A=E10184) (B=E10615) (C=E10201)											
38	1	26106-080122	BOLT, M8X 12 PLATED	1	1	1	1				
38-1	1	26106-080162	BOLT, M8X 16 PLATED	1	1	1	1				N
(A=E10184) (B=E10615) (C=E10201)											
39	1	121750-59890	BAND, 140	1	1	1	1				
40	1	194180-51640	CLAMP, HARNESS	1	1	1	1				

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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OCR10-M44901

Fig.21. PANEL

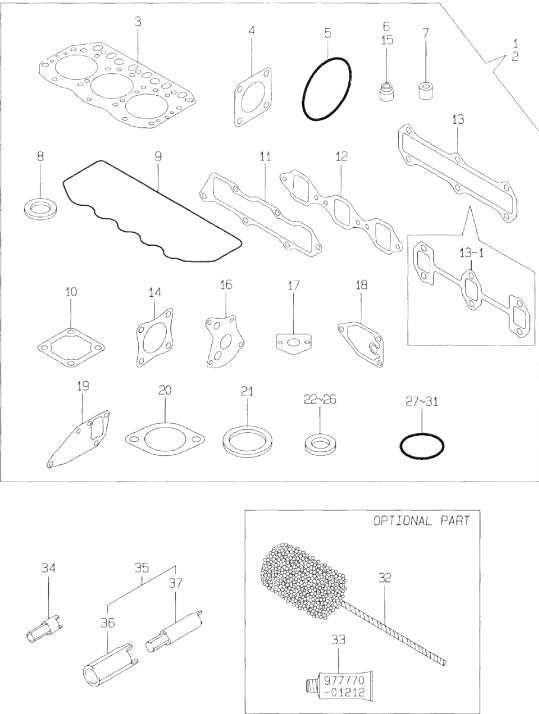


Remarks
(1) WITH C.W.THERMOMETER(REF.NO.16,
P/# 171010-77850) & PRESSURE
GAUGE(REF.NO.19,P/# 171090-91010).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
41	1	121750-59890	BAND, 140	1							
42	1	26106-080162	BOLT, M8X 16 PLATED	1	1	1	1				
43	1	26366-080002	NUT, M8	1	1	1	1				
43-1	1	26306-080002	NUT, M8	1	1	1	1				N
		(A=E10184) (B=E10615) (C=E10201)									
44	1	26106-080162	BOLT, M8X 16 PLATED	2	2	2	2				W
		(A=E10184) (B=E10615) (C=E10201)									
45	1	22117-050000	WASHER, 5	1	1	1	1				W
		(A=E10184) (B=E10615) (C=E10201)									
46	1	22217-050000	WASHER, SPRING 5	1	1	1	1				W
		(A=E10184) (B=E10615) (C=E10201)									
47	1	22217-080000	WASHER, SPRING 8	1	1	1	1				W
		(A=E10184) (B=E10615) (C=E10201)									
48	1	26716-050002	NUT, M5	1	1	1	1				W
		(A=E10184) (B=E10615) (C=E10201)									
49	1	26756-080002	NUT, LOCK M8	1	1	1	1				W
		(A=E10184) (B=E10615) (C=E10201)									
50	1	26106-100122	BOLT, M10X 12 PLATED	1							W
		(A=E10184) (B=E10615) (C=E10201)									

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.22. GASKET SET



Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719822-92600	GASKET SET	1	1	1	1				1
2	1	719822-92610	GASKET SET			1					1
3	2	119818-01330	GASKET, HEAD	1	1	1	1				
4	2	124240-01883	GASKET	1	1	1	1				
5	2	121850-51960	O-RING	1	1	1	1				
6	2	124160-11340	SEAL, VALVE STEM	3	3	3	3				
7	2	119625-11871	PROTECTOR, NOZZLE	3	3	3	3				
7-1	2	119625-11870	PROTECTOR, NOZZLE	3	3	3	3				N
		(A=E10184) (B=E10615) (C=E10201) (D=E00973)									
8	2	119625-11880	SEAT, NOZZLE	3	3	3	3				
9	2	119865-11310	GASKET, BONNET	1	1	1	1				
10	2	129150-77511	GASKET	1	1	1	1				
11	2	119813-12110	GASKET, MANIFOLD	1	1	1	1				
12	2	119810-12111	GASKET, MANIFOLD				1				
13	2	119813-13110	GASKET	1	1	1	1				
13-1	2	119810-13110	GASKET				1				S
		(C=FROM 1ST)									
14	2	121000-13201	GASKET, SILENCER	1	1	1	1				
15	2	124950-11340	SEAL, VALVE STEM	3	3	3	3				
16	2	129150-32020	GASKET, PUMP	1	1	1	1				
17	2	129150-35041	GASKET	1	1	1	1				
18	2	129150-35111	GASKET	1	1	1	1				
19	2	129150-42020	GASKET, WATER PUMP	1	1	1	1				
20	2	129795-49551	GASKET	1	1	1	1				
21	2	129150-49811	GASKET, THERMOSTAT	1	1	1	1				
22	2	104200-59170	GASKET, 12	2	2	2	2				
22-1	2	22190-120002	WASHER, SEAL 12	2	2	2	2				N
		(A=E10184) (B=E10615) (C=E10201) (D=E00973)									
23	2	22190-080002	WASHER, SEAL 6	5	5	5	5				
24	2	129150-49360	GASKET	1	1	1	1				
25	2	23414-120000	GASKET, 12X1.0	2	2	2	2				
26	2	124465-44950	GASKET, 16	2	2	2	2				
27	2	24311-000120	O-RING, 1AP12.0	3	3	3	3				
28	2	24311-000160	O-RING, 1AP16.0	2	2	2	2				
29	2	24311-000320	O-RING, 1AP32.0	2	2	2	2				
30	2	24341-000240	O-RING, 1AS24.0	1	1	1	1				
31	2	24341-000500	O-RING, 1AS50.0	1	1	1	1				
32	1	129400-92420	HONE	1	1	1	1				1
33	1	977770-01212	GASKET, LIQUID	1	1	1	1				1
34	1	119621-99100	TOOL, CARB IDLE				1				W
		(D=E10000)									
35	1	119621-99400	BOX, TOOL				1				W
		(D=E10000)									
36	2	119621-99200	TOOL, CARB A					1			W
		(D=E10000)									
37	2	119621-99300	TOOL, CARB B					1			W
		(D=E10000)									

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104200-66830	17	10
104200-66850	17	11
104200-66860	17	12
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	22	7 -1
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119810-02930	1	17
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119810-11120	4	14
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119836-77780	20	11
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