

0CV10-M41000EN

P R E F A C E

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNE68-ADCL engine manufactured since December, 1994.
2. Each illustration corresponds to the parts list on the following page.
3. 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	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

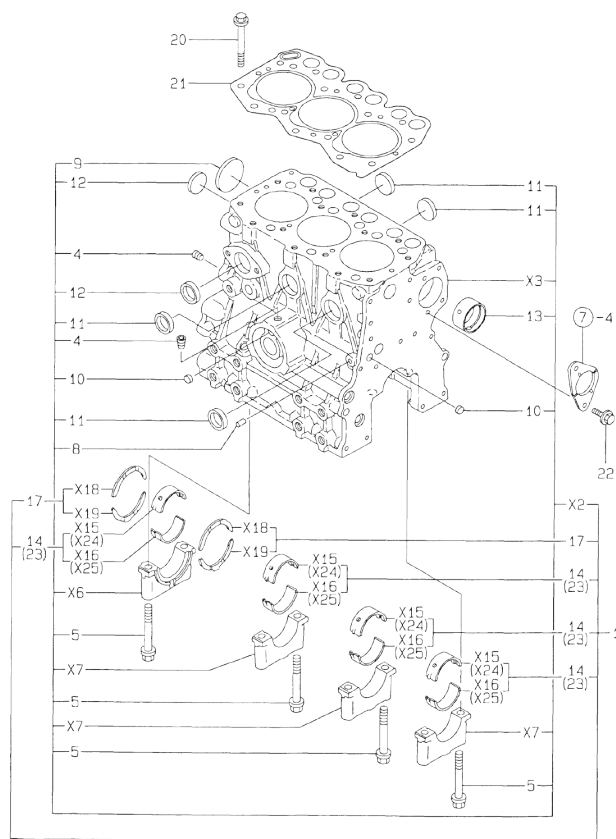
Figures or alphabets (symbols) are entered in the remarks column.

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

Contents

Fig. No.	Fig. Name	Fig. No.	Fig. Name
ENGINE 3TNE68-ADCL			
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	FLYWHEEL HOUSING & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD & AIR CLEANER		
6.	EXHAUST MANIFOLD & SILENCER		
7.	CAMSHAFT & DRIVING GEAR		
8.	CRANKSHAFT & PISTON		
9.	LUB.OIL SYSTEM		
10.	COOLING WATER SYSTEM		
11.	FUEL INJECTION PUMP		
12.	GOVERNOR		
13.	FUEL INJECTION VALVE		
14.	FUEL FILTER		
15.	STARTING MOTOR		
16.	GENERATOR		
17.	GASKET SET		

1. CYLINDER BLOCK



Remarks
(1) UNDER-SIZE(U.S.=0.25)PART.
(G) THESE PARTS ARE SOLD BY FIG.17,
REF.NO.1.

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

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719265-01560	BLOCK ASSY, CYLINDER	1							
4	3	124060-01050	PLUG, PT1/8	2							
5	3	119260-02020	BOLT, METAL CAP	8							
8	3	27221-060100	PLUG, 6X10	1							
9	3	27231-400000	PLUG 40	1							
10	3	27241-100000	PLUG, 10	2							
11	3	27241-250000	PLUG, 25	4							
12	3	27241-300000	PLUG 30	2							
13	3	119260-02410	BUSH, CAMSHAFT	1							
14	2	719260-02800	BEARING, MAIN	4							
17	2	719260-02930	BEARING, THRUST	2							
20	1	119260-01200	BOLT, HEAD	14							
21	1	119265-01340	GASKET, HEAD	1							G
22	1	26106-060122	BOLT, M6X 12 PLATED	2							
23	1	719260-02870	BEARING, 0.25 US	4							

N:Old $\xrightarrow{\text{YES}}$ New. Q:Old $\xrightarrow{\text{NO}}$ New. R:Old $\xrightarrow{\text{YES}}$ New. S:Old $\xrightarrow{\text{NO}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

Exploded view diagram of a mechanical assembly, likely a pump or engine component. The diagram shows various parts numbered 1 through 30. A bracket groups parts 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30. A note indicates that parts 25, 26, and 27 are not required for models X25 and X27. A warning label '97770 10262' is shown next to part 11.

				(A)=3TNE68-ADCL					(D)=				
				(B)=					(E)=				
				(C)=					(F)=				
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	Q'ty	I	R	
1	1	119260-01590	COVER ASSY,GEAR CASE	1									
3	2	119620-01800	SEAL, OIL	1									
4	1	119660-01911	PIPE, KNOCK	4									
5	1	24311-000120	O-RING, 1AP12.0	2								G	
6	1	26106-060162	BOLT, M6X 16 PLATED	5									
7	1	26106-060302	BOLT, M6X 30 PLATED	5									
8	1	26106-060402	BOLT, M6X 40 PLATED	3									
9	1	26106-060502	BOLT, M6X 50 PLATED	4									
10	1	26106-060652	BOLT, M6X 65 PLATED	6									
11	1	124160-01751	COVER, FILLER	1									
12	1	24311-000320	O-RING, 1AP32.0	1								G	
13	1	121023-01550	COVER	1									
14	1	24341-000240	O-RING, 1AS24.0	1								G	
15	1	26106-060182	BOLT, M6X 18 PLATED	2									
16	1	119260-01490	CASE ASSY, GEAR	1									
18	2	119260-01510	PLUG	1									
19	2	121450-01560	STUD, M8X22	4									
20	2	22351-040010	PIN, SPRING 4.0X10	2									
21	1	119660-01551	COVER	1									
22	1	119660-01562	GASKET	1								G	
23	1	119660-01570	STUD, M6X12	4									
24	1	119620-01950	SHIM SET, ADJUSTING	1									
28	1	194990-22050	NUT, M8	4									
29	1	26366-060002	NUT, M6	4									

Remarks
(G) THESE PARTS ARE SOLD BY FIG.17,
REF.NO.1.

N:Old $\xrightarrow{\text{YES}}$ New. Q:Old $\xrightarrow{\text{NO}}$ New. R:Old $\xrightarrow{\text{YES}}$ New. S:Old $\xrightarrow{\text{NO}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

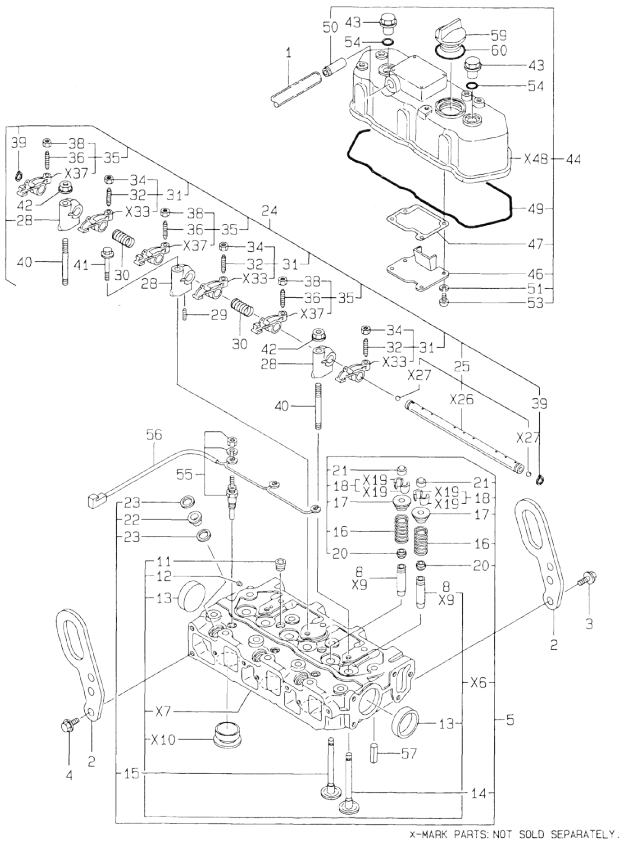
Fig.3. FLYWHEEL HOUSING & OIL SUMP

No.	Lev.	Parts No.	Description	(A)=3TNE68-ADCL			(D)= (E)= (F)=			I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2							
2	1	119280-01600	FLANGE, MOUNTING	1							
3	1	121120-01620	BOLT, M10X28	3							
4	1	119620-01750	CAP	1							
5	1	26206-100252	BOLT, M10X 25 PLATED	6							
6	1	119620-01620	PIN, M6X10	2							
7	1	119660-01640	CASE ASSY, OIL SEAL	1							
9	2	124085-02220	SEAL, OIL	1							
10	1	26106-060222	BOLT, M6X 22 PLATED	10							
11	1	119454-01721	SPACER, OIL SUMP	1							
12	1	119260-01770	SUMP ASSY, OIL	1							
13	2	121400-01640	PLUG, 16	1							
15	2	24311-000180	O-RING, 1AP18.0	1							G
16	1	26106-060102	BOLT, M6X 10 PLATED	3							
17	1	26106-060452	BOLT, M6X 45 PLATED	20							

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

Fig.4. CYLINDER HEAD & BONNET

4.CYLINDER HEAD & BONNET



X-MARK PARTS: NOT SOLD SEPARATELY.

Remarks
(1) REPAIR PART.
(G) THESE PARTS ARE SOLD BY FIG.17,
REF.NO.1.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	23065-120500	PIPE, 12X 500	1							
2	1	119260-07900	LIFTER	2							
2-1	1	119260-07900	LIFTER	1							K
(A=FROM 1ST)											
3	1	26106-080142	BOLT, M8X 14 PLATED	1							
4	1	26106-080142	BOLT, M8X 14 PLATED	2							
5	1	119265-11700	HEAD ASSY, CYLINDER	1							
8	3	119260-11800	GUIDE, VALVE	6							1
11	3	23871-020000	PLUG, R02	2							
12	3	27221-050080	PLUG, 5X 8	1							
13	3	27241-350000	PLUG, 35	2							
14	2	119260-11100	VALVE, INTAKE	3							
15	2	119260-11110	VALVE, EXHAUST	3							
16	2	114250-11120	SPRING, VALVE	6							
17	2	114250-11180	RETAINER, SPRING	6							
18	2	714250-11570	COTTER ASSY	6							
20	2	119260-11340	SEAL, VALVE STEM	6							G
21	2	119260-11370	CAP, VALVE	6							
22	2	119600-11450	PROTECTOR, NOZZLE	3							G
23	2	119600-11460	GASKET, NOZZLE	6							G
24	1	119489-11200	SUPPORT ASSY, ARM	1							
25	2	119260-11240	SHAFT ASSY, ROCKER	1							
28	2	119260-11260	SUPPORT, ROCKER ARM	3							
29	2	119260-11270	SCREW	1							
30	2	119260-11280	SPRING	2							
31	2	719489-11650	ARM ASSY, ROCKER	3							
32	3	105010-11230	SCREW, VALVE ADJUST	3							
34	3	26756-060002	NUT, LOCK M6	3							
35	2	719489-11660	ARM ASSY, ROCKER	3							
36	3	105010-11230	SCREW, VALVE ADJUST	3							
38	3	26756-060002	NUT, LOCK M6	3							
39	2	22242-000100	RING, 10	2							
40	1	119620-11350	STUD	2							
41	1	26106-080452	BOLT, M8X 45 PLATED	1							
42	1	26366-080002	NUT, M8	2							
43	1	124160-11360	KNOB	2							
44	1	719260-11520	BONNET ASSY, HEAD	1							
46	2	119260-03020	PLATE, SHELTER	1							
47	2	119260-03031	GASKET	1							G
49	2	119260-11310	GASKET, BONNET	1							G
50	2	119620-11390	JOINT	1							
51	2	22217-050000	WASHER, SPRING 5	4							
53	2	26557-050102	SCREW, M5X10	4							
54	1	24311-000120	O-RING, 1AP12.0	2							G
55	1	129795-77800	PLUG, GLOW	3							
56	1	119620-77820	CONNECTOR, GLOW PLUG	1							
57	1	22351-060012	PIN, SPRING 6.0X12	2							
58	1	119285-07900	LIFTER	1							W
(A=FROM 1ST)											
59	1	124160-01751	COVER, FILLER	1							
60	1	24311-000320	O-RING, 1AP32.0	1							G

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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X-MARK PARTS NOT SOLD SEPARATELY

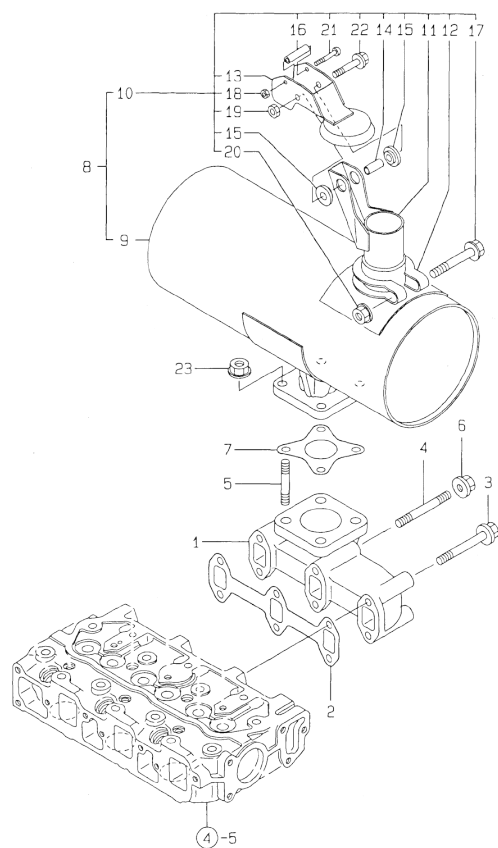
Remarks
(G) THESE PARTS ARE SOLD BY FIG.17,
REF.NO.1.

				(A)=3TNE68-ADCL (B)= (C)=				(D)= (E)= (F)=			
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119270-12100	MANIFOLD, AIR INTAKE	1							
2	1	119270-12110	GASKET, MANIFOLD	1							G
3	1	26106-060162	BOLT, M6X 16 PLATED	2							
4	1	26106-060282	BOLT, M6X 28 PLATED	1							
5	1	119489-12600	SUPPORT, AIR CLEANER	1							
6	1	119653-12500	CLEANER ASSY, AIR	1							
8	2	119655-12560	ELEMENT	1							
10	2	119808-12540	VALVE, UNLOADER	1							
11	1	119462-12550	PIPE, AIR INTAKE	1							
12	1	119865-12600	BAND ASSY, CLEANER	1							
16	1	23000-054000	CLAMP, 54	2							

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

Fig.6. EXHAUST MANIFOLD & SILENCER

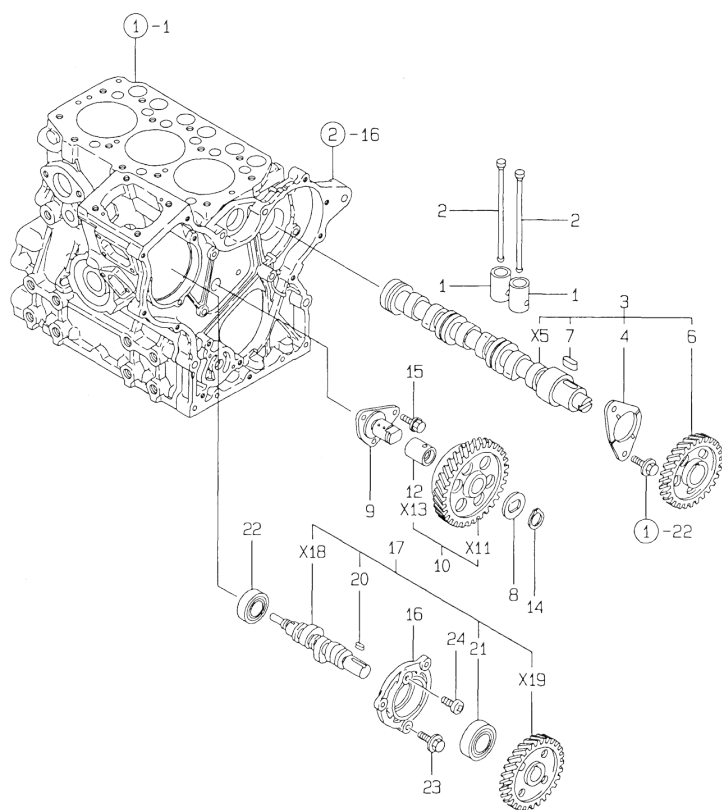
6.EXHAUST MANIFOLD & SILENCER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119280-13100TK	MANIFOLD, EXHAUST	1							
2	1	119260-13110	GASKET	1							G
3	1	26106-060402	BOLT, M6X 40 PLATED	4							
4	1	26216-060402	STUD, M6X 40	2							
5	1	26216-080222	STUD, M8X 22	4							
6	1	26366-060002	NUT, M6	2							
7	1	121000-13201	GASKET, SILENCER	1							G
8	1	119620-13501	SILENCER	1							
9	2	119620-13510	SILENCER ASSY	1							
10	2	119620-13520	PIPE ASSY, TAIL	1							
11	3	119620-13560	PIPE, TAIL	1							
12	3	124664-13580	CLAMP	1							
13	3	119358-13640	CAP, RAIN	1							
14	3	121855-13821	SPACER, A	1							
15	3	121855-13830	SPACER, B	2							
16	3	123500-13840	SPACER, C	1							
17	3	26106-080502	BOLT, M8X 50 PLATED	1							
18	3	26347-040002	NUT, M4	1							
19	3	26347-060002	NUT, M6	1							
20	3	26366-080002	NUT, M8	1							
21	3	26557-040352	SCREW, M4X35	1							
22	3	26106-060402	BOLT, M6X 40 PLATED	1							
23	1	194990-22050	NUT, M8	4							

Remarks
(G) THESE PARTS ARE SOLD BY FIG.17,
REF.NO.1.

7. CAMSHAFT & DRIVING GEAR



Remarks
(1) REPAIR PART.

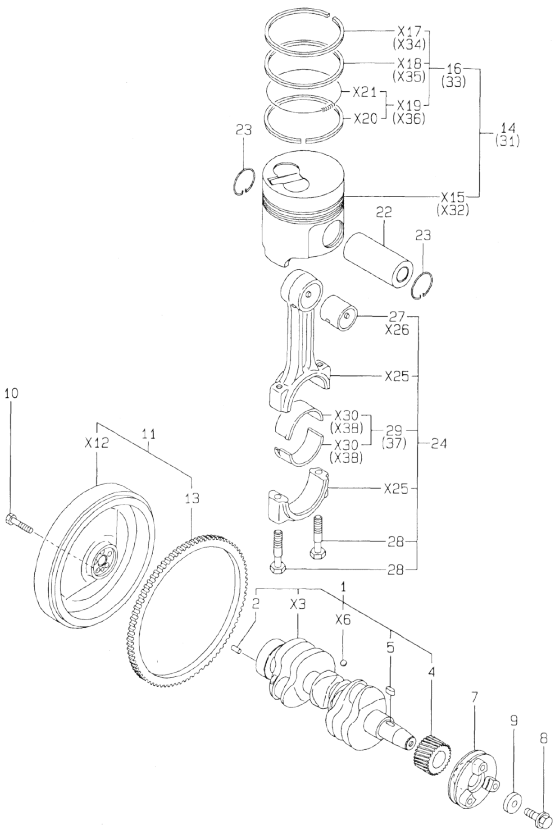
No.	Lev.	Parts No.	Description	(A)=3TNE68-ADCL			(D)= (E)= (F)=			I	R
				(B)	(C)	Q'ty	(D)	(E)	(F)		
1	1	119260-14200	TAPPET	6							
2	1	119260-14400	ROD, PUSH	6							
3	1	119260-14580	CAMSHAFT ASSY	1							
4	2	119620-02450	BEARING, THRUST	1							
6	2	119260-14100	GEAR, CAMSHAFT	1							
7	2	22512-040120	KEY, 4X 12	1							
8	1	119660-25022	RETAINER	1							
9	1	119660-25052	SHAFT, IDLE	1							
10	1	119260-25100	GEAR ASSY, IDLE	1							
12	2	119620-25912	BUSH	1							1
14	1	22242-000200	RING, 20	1							
15	1	26106-060122	BOLT, M6X 12 PLATED	3							
16	1	119660-01821	BEARING, FUEL CAM	1							
17	1	119225-14200	CAM ASSY	1							
20	2	22512-040120	KEY, 4X 12	1							
21	2	24102-063034	BEARING, BALL 6303U	1							
22	1	24101-062034	BEARING, BALL 6203	1							
23	1	26106-060162	BOLT, M6X 16 PLATED	3							
24	1	26587-080102	SCREW, M8X10	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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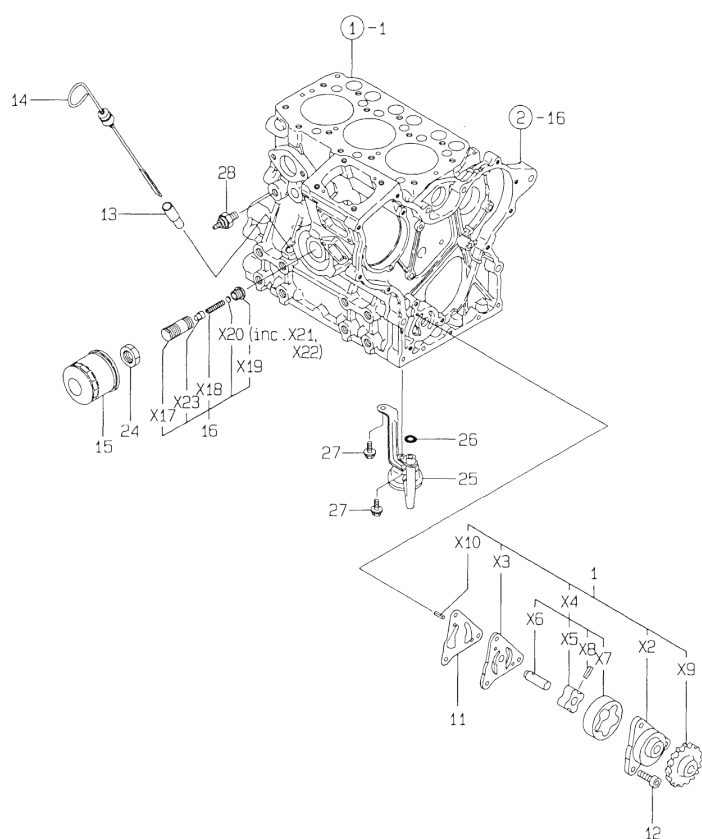
Fig.8. CRANKSHAFT & PISTON

8. CRANKSHAFT & PISTON



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119265-21700	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	119260-21200	GEAR, CRANKSHAFT	1							
5	2	22512-040120	KEY, 4X 12	1							
7	1	119260-21650	V-PULLEY	1							
8	1	119621-21680	BOLT, FLANGE 12X1.25	1							
9	1	119620-21941	WASHER	1							
10	1	121111-21501	BOLT, FLYWHEEL	5							
11	1	119688-21590	FLYWHEEL ASSY	1							
13	2	119865-21600	GEAR, RING	1							
14	1	119265-22090	PISTON ASSY	3							
16	2	119265-22500	RING SET, PISTON	3							
22	1	119265-22300	PIN, PISTON	3							
23	1	22252-000200	RING, 20	6							
24	1	119265-23100	ROD ASSY, CONNECTING	3							
27	2	119260-23910	BEARING, PISTON PIN	3							1
28	2	119265-23200	BOLT, CONNECTING ROD	6							
29	2	719260-23600	BEARING, CRANK PIN	3							
31	1	719265-22900	PISTON ASSY, 0.25 OS	3							2
33	2	719265-22950	RING SET, 0.25 OS	3							2
37	1	719260-23610	BEARING ASSY, 0.25	3							3

9. LUB. OIL SYSTEM



Remarks
(G) THESE PARTS ARE SOLD BY FIG.17,
REF.NO.1.

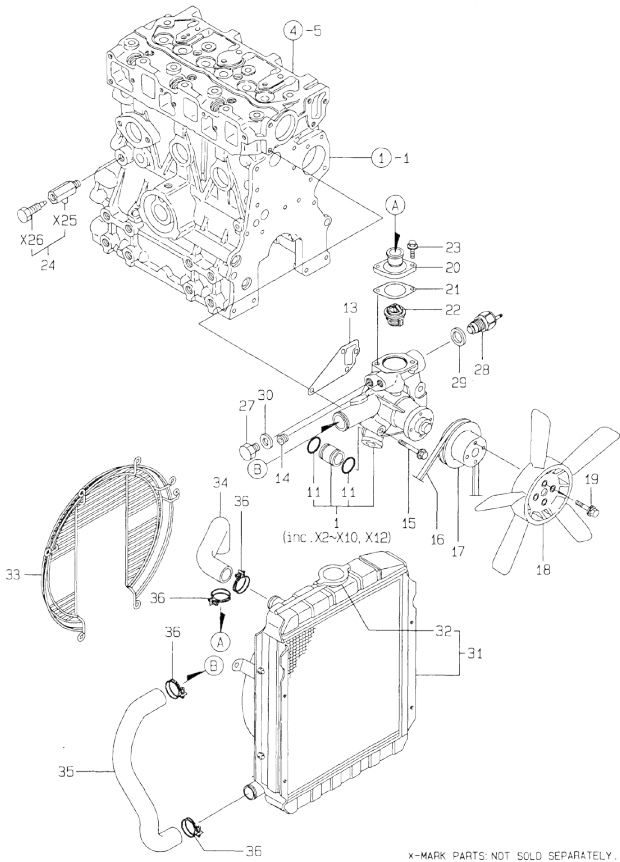
				(A)=3TNE68-ADCL	(D)=							
				(B)=	(E)=							
				(C)=	(F)=							
No.	Lev.	Parts No.	Description	Q'ty							I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	119260-32000	PUMP ASSY, OIL	1								
11	1	119660-32020	GASKET, PUMP	1							G	
12	1	26450-060202	BOLT, M6X 20	3								
13	1	121520-34810	GUIDE, DIPSTICK	1								
14	1	119600-34820	DIPSTICK, OIL	1								
15	1	119305-35150	FILTER, OIL	1								
16	1	119225-35300	VALVE ASSY,OIL PRESS	1								
24	1	129150-35350	NUT	1								
25	1	119260-35081	PIPE, OIL INLET	1								
26	1	24311-000120	O-RING, 1AP12.0	1							G	
27	1	26106-060120	BOLT, M6X 12 PLATED	2								
28	1	124160-30450	SWITCH, 0.5KG	1								

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

0CV10-M41000

Fig.10. COOLING WATER SYSTEM

10.COOLING WATER SYSTEM



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119265-42002	PUMP ASSY, WATER	1							
11	2	24311-000210	O-RING, 1AP21.0	2							
13	1	119260-42020	GASKET, WATER PUMP	1							G
14	1	171056-49120	PLUG, DRAIN	1							
15	1	26106-080452	BOLT, M8X 45 PLATED	3							
16	1	119256-42290	V-BELT, FM33.5	1							
17	1	119620-42350	V-PULLEY	1							
18	1	124700-44740	FAN, COOLING 5X310	1							
19	1	26014-060162	BOLT, M6X 16	4							
20	1	129350-49530	COVER, THERMOSTAT	1							
21	1	129350-49541	GASKET	1							G
22	1	129350-49800	THERMOSTAT, 71	1							
23	1	26106-080202	BOLT, M8X 20 PLATED	2							
24	1	119620-49290	COCK ASSY, 1/4	1							
27	1	121450-42450	PLUG, M16	1							
28	1	121250-44901	SWITCH, 110	1							
29	1	124465-44950	GASKET, 16	1							G
30	1	124465-44950	GASKET, 16	1							G
31	1	119621-44500	RADIATOR	1							
32	2	119259-44570	CAP, RADIATOR	1							
33	1	119621-44560	GUARD	1							
34	1	119688-49010	PIPE, WATER	1							
34-1	1	119489-49010	PIPE, WATER	1							N
(A=1995.03)											
35	1	119280-49020	PIPE, WATER	1							
36	1	23010-038000	CLAMP, 38	4							

Remarks
(G) THESE PARTS ARE SOLD BY FIG.17,
REF.NO.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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1

25

27

24

X23

21

26

X22

X4

3

X5

45

X41

X2

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9 (inc. X10~X20)

X38

37

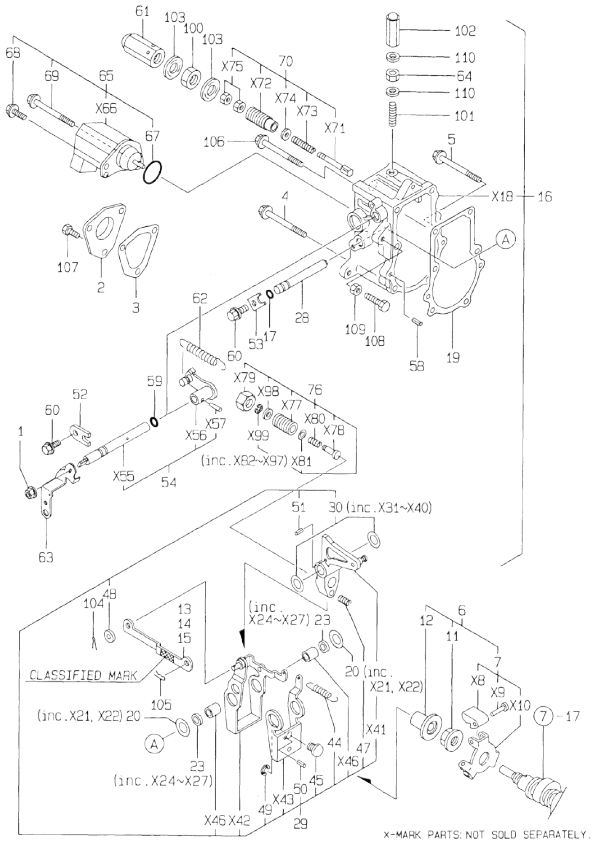
X40

X39

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. GOVERNOR

12. GOVERNOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194990-22050	NUT, M8	1							
2	1	119660-61060	COVER, GOVERNOR CASE	1							
3	1	119660-61071	GASKET	1							
4	1	26106-060752	BOLT, M6X 75 PLATED	3							
5	1	26106-060952	BOLT, M6X 95 PLATED	1							
6	1	119600-61100	DRIVE ASSY	1							
7	2	119600-61200	WEIGHT ASSY,GOVERNOR	1							
11	2	119660-61300	NUT	1							
12	2	119660-61341	SLEEVE	1							
13	1	119660-61121	LINK, NO MARK	1							1
14	1	119660-61140	LINK, MARK :2	1							1
15	1	119660-61150	LINK, MARK :3	1							1
16	1	119632-61200	CASE ASSY, GOVERNOR	1							
17	2	129155-51280	O-RING, S6	1							
19	2	119660-61052	GASKET	1							
20	2	119660-61460	SHIM SET	1							
23	2	129155-61480	SPACER ASSY	2							
28	2	119660-61491	SHAFT	1							
29	2	119232-61510	LEVER ASSY, GOVERNOR	1							
30	3	174307-51700	SHIM SET	2							
44	3	119232-61540	SPRING	1							
45	3	119600-61540	SHIFTER	1							
47	3	119660-61651	SPRING, STARTING	1							
48	3	22117-040000	WASHER, 4	1							
49	3	22272-000040	RING, E- 4	1							
50	3	22351-020004	PIN, SPRING 2.0X 4	1							
51	3	22351-030014	PIN, SPRING 3.0X14	1							
52	2	119600-61900	RETAINER, SHAFT	1							
53	2	119660-61901	RETAINER, SHAFT	1							
54	2	119285-66080	SHAFT ASSY	1							
58	2	22351-040010	PIN, SPRING 4.0X10	2							
59	2	24341-000070	O-RING, 1AS7.0	1							
60	2	26106-060102	BOLT, M6X 10 PLATED	2							
61	1	129100-61930	NUT, CAP	1							
62	1	119489-66010	SPRING, REGULATOR	1							
63	1	119621-66051	LEVER, REGULATOR	1							
64	1	124550-66370	NUT, M6	1							
65	1	119285-66500	STOPPER ASSY	1							
67	2	24341-000280	O-RING, 1AS28.0	1							
68	2	26106-060162	BOLT, M6X 16 PLATED	1							
69	2	26106-060952	BOLT, M6X 95 PLATED	1							
70	1	119629-61510	LIMITER ASSY, FUEL	1							
76	1	119610-66700	ANGLEIGH ASSY	1							
100	1	26776-120002	NUT, LOCK M12	1							
101	1	171002-66830	SCREW	1							
102	1	119600-66840	NUT, CAP	1							
103	1	22190-120002	WASHER, SEAL 12	2							
104	1	22360-040000	PIN, SNAP 4	1							
105	1	22360-060000	PIN, SNAP 6	1							
106	1	26106-060702	BOLT, M6X 70 PLATED	2							
107	1	26116-050202	BOLT, M5X 20 PLATED	3							

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

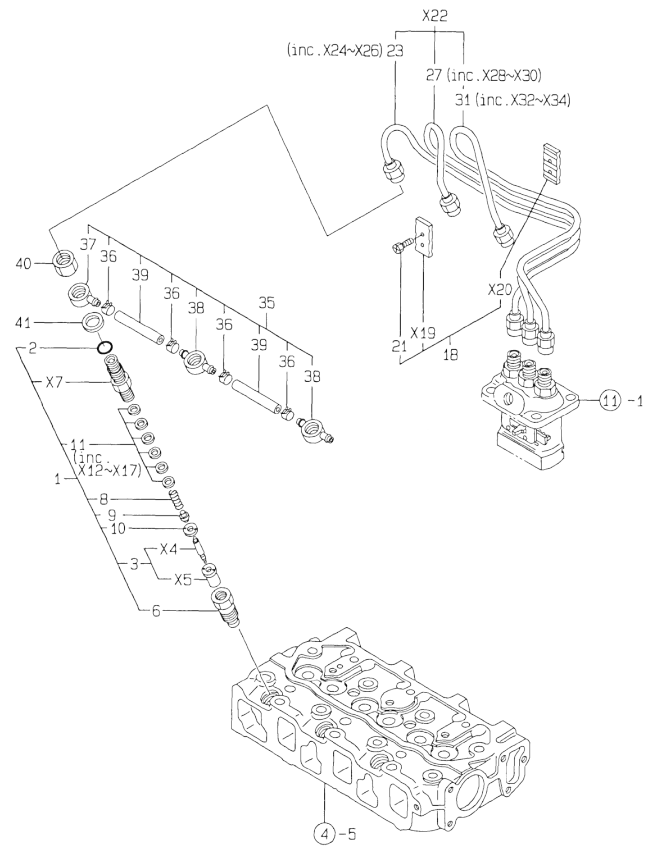
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No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
108	1	26116-060304	BOLT, M6X 30 PLATED	1							
109	1	26756-060002	NUT, LOCK M6	1							
110	1	22190-060003	SEAL WASHER 6	2							

[illegible]

N:Old $\xrightarrow{\text{YES}}$ New. Q:Old $\xrightarrow{\text{NO}}$ New. R:Old $\xrightarrow{\text{YES}}$ New. S:Old $\xrightarrow{\text{NO}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

Fig.13. FUEL INJECTION VALVE

13.FUEL INJECTION VALVE

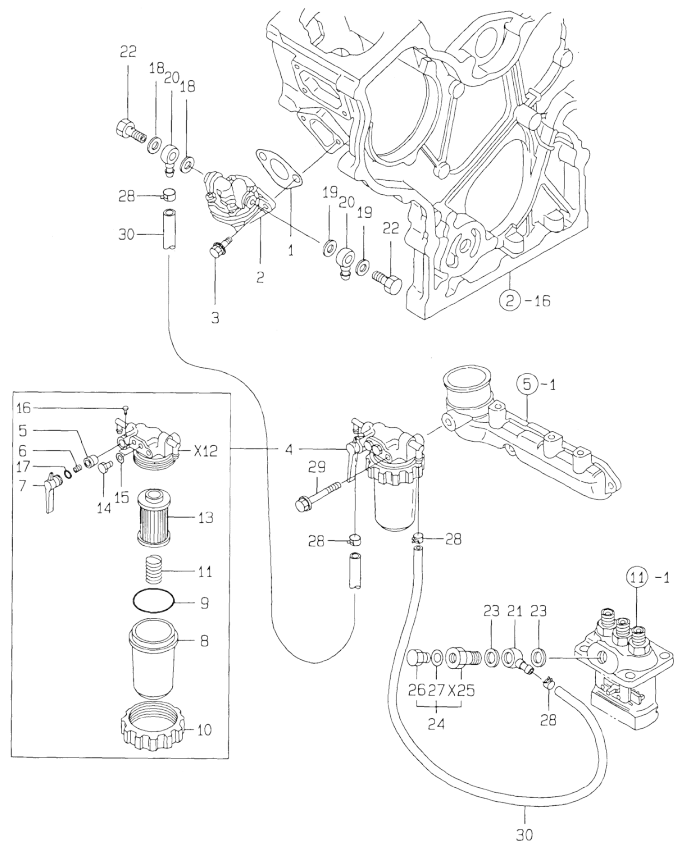


Remarks
(G) THESE PARTS ARE SOLD BY FIG.17,
REF.NO.1.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719620-53700	VALVE ASSY,INJECTION	3							
2	2	129155-51580	O-RING	3							G
3	2	119620-53000	VALVE ASSY,INJECTION	3							
6	2	119620-53080	NUT, NOZZLE	3							
8	2	119620-53120	SPRING, NOZZLE	3							
9	2	114250-53130	SEAT, SPRING	3							
10	2	119620-53140	SPACER, VALVE STOP	3							
11	2	114250-53400	SHIM SET	3							
18	1	129150-59120	RETAINER, PIPE	1							
21	2	129150-59131	BOLT, M4X14	2							
23	2	119225-59810	PIPE ASSY, INJECTION	1							
27	2	119260-59820	PIPE ASSY, INJECTION	1							
31	2	119260-59830	PIPE ASSY, INJECTION	1							
35	1	119260-59540	PIPE ASSY, RETURN	1							
36	2	124066-59100	CLIP, HOSE 8	4							
37	2	119260-59520	JOINT	1							
38	2	119260-59530	JOINT	2							
39	2	119260-59550	PIPE, FUEL	2							
40	1	119620-59700	NUT, NOZZLE	3							
41	1	23414-140000	GASKET, 14X1.0	3							G

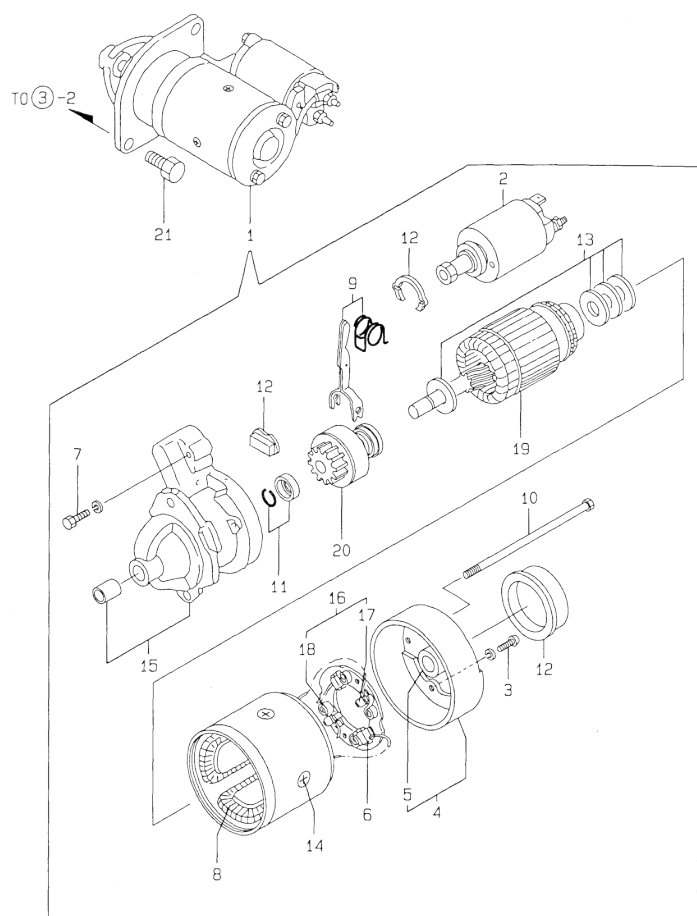
Fig.14. FUEL FILTER

14.FUEL FILTER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121520-01851	GASKET	1							
2	1	119600-52021	PUMP ASSY, FUEL FEED	1							G
3	1	26014-060202	BOLT, M6X 20	2							
4	1	171059-55600	FILTER ASSY, FUEL	1							
5	2	104200-55321	VALVE, TAPER	1							
6	2	104200-55330	SPRING, VALVE	1							
7	2	104200-55341	HANDLE	1							
8	2	121254-55510	COVER	1							
9	2	102103-55520	O-RING	1							
10	2	110250-55610	RING, RETAINING	1							
11	2	121250-55620	SPRING	1							
13	2	124550-55700	FILTER, FUEL L=90	1							
14	2	101720-55750	PLUG, 6	2							
15	2	23418-060000	GASKET, 6X1.0	2							
16	2	104200-55750	SCREW, M4	1							
17	2	24311-240100	O-RING, 1AP10A	1							
18	1	22190-080002	WASHER, SEAL 6	2							
19	1	22190-080002	WASHER, SEAL 6	2							
20	1	104264-59030	JOINT, PIPE 8	2							
21	1	101304-59020	JOINT, PIPE 12	1							
22	1	105582-59150	BOLT, PIPE JOINT	2							
23	1	104200-59170	GASKET, 12	2							G
24	1	103854-59191	BOLT ASSY, JOINT M12	1							
26	2	124060-59380	PLUG, 6	1							
27	2	22190-060002	WASHER, SEAL 6	1							
28	1	124766-59050	CLIP, HOSE 12	4							
29	1	26014-080702	BOLT, M8X 70	1							
30	1	124732-59080	PIPE, FUEL D12X1000	1							

15. STARTING MOTOR

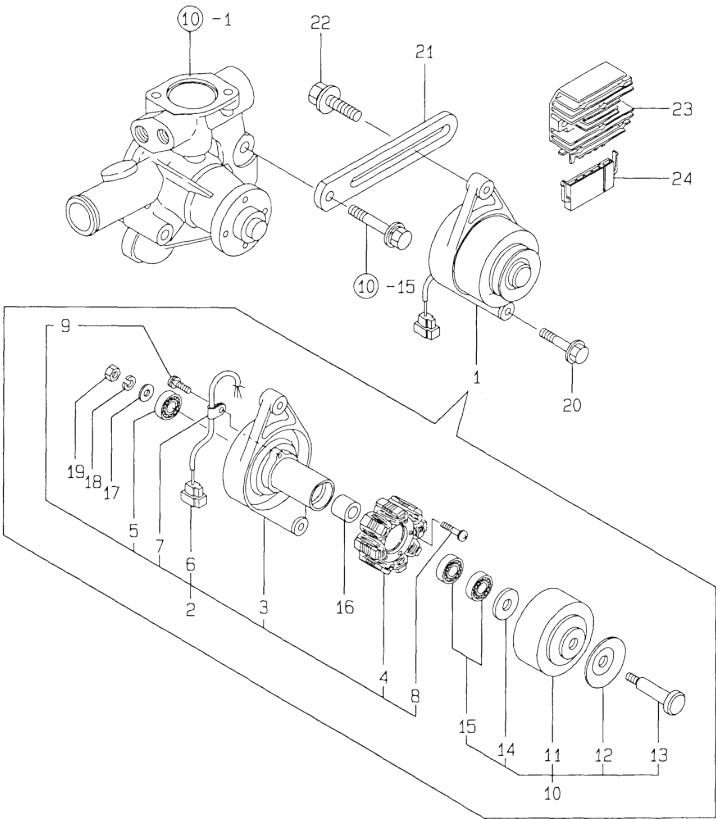


No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119631-77010	STARTER	1							
2	2	X2114275070	SWITCH, MAGNETIC	1							
3	2	X2114283500	SCREW SET	1							
4	2	X2114430010	COVER ASSY, REAR	1							
5	3	X2114535200	METAL, STARTER	1							
6	2	X2114531200	BRUSH (+)	2							
7	2	X2114586700	BOLT M6X 37	2							
8	2	X2114631090	COIL ASSY, FIELD	1							
9	2	X2114660130	LEVER KIT, SHIFT	1							
10	2	X2114680050	BOLT, THROUGH	2							
11	2	X2114715500	STOPPER SET, PINION	1							
12	2	X2114780060	COVER ASSY, DUST	1							
13	2	X2114811000	WASHER KIT, THRUST	1							
14	2	X2114821500	SCREW SET	1							
15	2	X2114966130	CASE ASSY, GEAR	1							
16	2	X2114990010	HOLDER ASSY, BRUSH	1							
17	3	X2114831300	BRUSH (-)	1							
18	3	X2114931400	SPRING, BRUSH	3							
19	2	124190-77110	ARMATURE, (NON-ASB.)	1							
20	2	124190-77760	PINION ASSY	1							
21	1	26116-120252	BOLT. M12X 25 PLATED	2							

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

Fig.16. GENERATOR

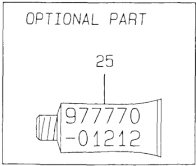
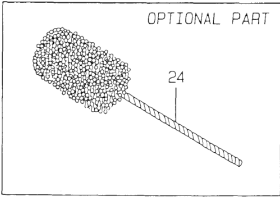
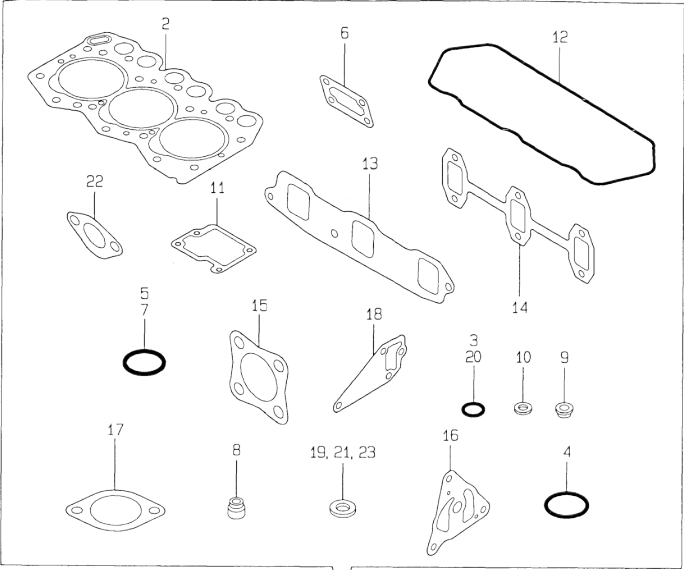
16.GENERATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171301-77201	DYNAMO ASSY, 15A	1							
2	2	XM08137	PLATE ASSY	1							
3	3	XM08138	PLATE	1							
4	3	XM08180	STATOR ASSY	1							
5	3	XM27436	BALL BEARING	1							
6	3	XM17878	COUPLER	1							
7	3	XM36410	CLAMP	1							
8	3	26022-040252	SCREW, M4X25	2							
9	3	XYSPS4008	SCREW	1							
10	2	XM82184	FLYWHEEL ASSY	1							
11	3	XM82110	FLYWHEEL	1							
12	3	XM72174	PULLEY	1							
13	3	XM72664	SHAFT	1							
14	3	XM37336	WASHER	1							
15	3	XM27436	BALL BEARING	2							
16	2	106383-44720	SPACER	1							
17	2	106383-44730	WASHER	1							
18	2	22212-100000	SPRING WASHER 10	1							
19	2	26716-100002	NUT, M10	1							
20	1	26106-100402	BOLT, M10X 40 PLATED	1							
21	1	121450-77330	ADJUSTER	1							
22	1	26014-080252	BOLT, M8X 25	1							
23	1	119660-77710	LIMITER, CURRENT 15A	1							
24	1	171301-77720	COUPLER	1							

Fig.17. GASKET SET

17.GASKET SET



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719489-92600	GASKET SET	1							1
2	2	119265-01340	GASKET, HEAD	1							
3	2	24311-000120	O-RING, 1AP12.0	5							
4	2	24311-000320	O-RING, 1AP32.0	2							
5	2	24341-000240	O-RING, 1AS24.0	1							
6	2	119660-01562	GASKET	1							
7	2	24311-000180	O-RING, 1AP18.0	1							
8	2	119260-11340	SEAL, VALVE STEM	6							
9	2	119600-11450	PROTECTOR, NOZZLE	3							
10	2	119600-11460	GASKET, NOZZLE	6							
11	2	119260-03031	GASKET	1							
12	2	119260-11310	GASKET, BONNET	1							
13	2	119270-12110	GASKET, MANIFOLD	1							
14	2	119260-13110	GASKET	1							
15	2	121000-13201	GASKET, SILENCER	1							
16	2	119660-32020	GASKET, PUMP	1							
17	2	129350-49541	GASKET	1							
18	2	119260-42020	GASKET, WATER PUMP	1							
19	2	124465-44950	GASKET, 16	2							
20	2	129155-51580	O-RING	3							
21	2	23414-140000	GASKET, 14X1.0	3							
22	2	121520-01851	GASKET	1							
23	2	104200-59170	GASKET, 12	2							
24	1	129400-92400	FLEX HORN	1							1
25	1	977770-01212	GASKET, LIQUID	1							1

Remarks
(1) OPTIONAL PART.

Parts No. Index

Parts No.	Fig. No.	Ref. No.
101304-59020	14	21
101720-55750	14	14
102103-55520	14	9
103854-59191	14	24
104200-55321	14	5
104200-55330	14	6
104200-55341	14	7
104200-55750	14	16
104200-59170	14	23
	17	23
104264-59030	14	20
105010-11230	4	32
		36
105546-51330	11	24
105582-59150	14	22
106383-44720	16	16
106383-44730	16	17
110250-55610	14	10
114250-11120	4	16
114250-11180	4	17
114250-53130	13	9
114250-53400	13	11
119225-14200	7	17
119225-35300	9	16
119225-51100	11	3
119225-51300	11	21
119225-59810	13	23
119232-61510	12	29
119232-61540	12	44
119256-42290	10	16
119259-44570	10	32
119260-01200	1	20
119260-01490	2	16
119260-01510	2	18
119260-01590	2	1
119260-01770	3	12
119260-02020	1	5
119260-02410	1	13
119260-03020	4	46
119260-03031	4	47
	17	11
119260-07900	4	2
		2 -1
119260-11100	4	14
119260-11110	4	15
119260-11240	4	25
119260-11260	4	28
119260-11270	4	29
119260-11280	4	30
119260-11310	4	49

Parts No.	Fig. No.	Ref. No.
119260-11310	17	12
119260-11340	4	20
	17	8
119260-11370	4	21
119260-11800	4	8
119260-13110	6	2
	17	14
119260-14100	7	6
119260-14200	7	1
119260-14400	7	2
119260-14580	7	3
119260-21200	8	4
119260-21650	8	7
119260-23910	8	27
119260-25100	7	10
119260-32000	9	1
119260-35081	9	25
119260-42020	10	13
	17	18
119260-59520	13	37
119260-59530	13	38
119260-59540	13	35
119260-59550	13	39
119260-59820	13	27
119260-59830	13	31
119265-01340	1	21
	17	2
119265-11700	4	5
119265-21700	8	1
119265-22090	8	14
119265-22300	8	22
119265-22500	8	16
119265-23100	8	24
119265-23200	8	28
119265-42002	10	1
119270-12100	5	1
119270-12110	5	2
	17	13
119280-01600	3	2
119280-13100TK	6	1
119280-49020	10	35
119285-07900	4	58
119285-66080	12	54
119285-66500	12	65
119305-35150	9	15
119358-13640	6	13
119454-01721	3	11
119462-12550	5	11
119489-11200	4	24
119489-12600	5	5

Parts No.	Fig. No.	Ref. No.
119489-49010	10	34 -1
119489-66010	12	62
119600-11450	4	22
	17	9
119600-11460	4	23
	17	10
119600-34820	9	14
119600-52021	14	2
119600-61100	12	6
119600-61200	12	7
119600-61540	12	45
119600-61900	12	52
119600-66840	12	102
119610-66700	12	76
119620-01620	3	6
119620-01750	3	4
119620-01800	2	3
119620-01950	2	24
119620-02450	7	4
119620-11350	4	40
119620-11390	4	50
119620-13501	6	8
119620-13510	6	9
119620-13520	6	10
119620-13560	6	11
119620-21941	8	9
119620-25912	7	12
119620-42350	10	17
119620-49290	10	24
119620-51170	11	6
119620-51180	11	7
119620-51190	11	8
119620-51250	11	9
119620-51340	11	25
119620-51350	11	26
119620-51370	11	27
119620-51450	11	28
119620-51461	11	29
119620-51510	11	31
119620-51650	11	33
119620-51660	11	34
119620-51670	11	35
119620-51680	11	36
119620-51700	11	37
119620-53000	13	3
119620-53080	13	6
119620-53120	13	8
119620-53140	13	10
119620-59700	13	40
119620-77820	4	56

Parts No.	Fig. No.	Ref. No.
119621-21680	8	8
119621-44500	10	31
119621-44560	10	33
119621-66051	12	63
119629-61510	12	70
119631-77010	15	1
119632-61200	12	16
119653-12500	5	6
119655-12560	5	8
119660-01551	2	21
119660-01562	2	22
	17	6
119660-01570	2	23
119660-01640	3	7
119660-01821	7	16
119660-01911	2	4
119660-25022	7	8
119660-25052	7	9
119660-32020	9	11
	17	16
119660-51500	11	30
119660-51530	11	32
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119660-61060	12	2
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