

0CV10-M73500EN

PREFACE

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNE68 - EAC engine manufactured since August, 2000.
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. 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 $\xrightarrow{\text{No}}$	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 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/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New No $\xrightarrow{\text{No}}$	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.

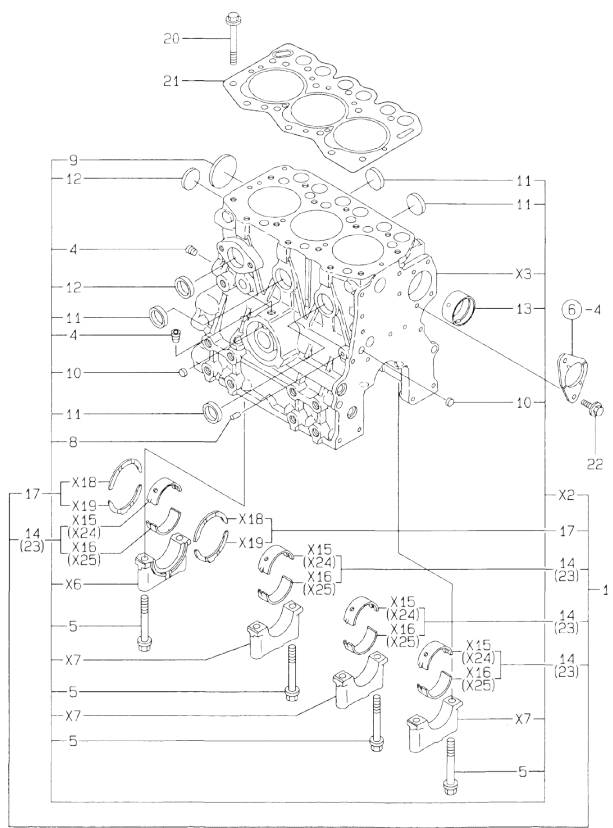
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

Contents

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

Fig.1. CYLINDER BLOCK

1. CYLINDER BLOCK



x-MARK PARTS NOT SOLD SEPARATELY.

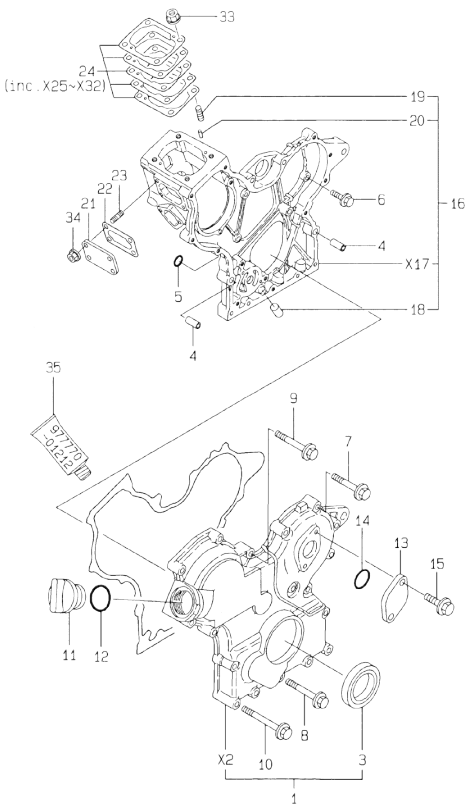
Remarks
(1) UNDER-SIZE(U.S=0.25)PART.

No.	Lev.	Parts No.	Description	Q'ty						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	119265-01250	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	119266-02410	BUSH	1							
14	2	119260-02800	BEARING, MAIN	4							
17	2	119260-02930	BEARING, THRUST	2							
20	1	119266-01200	BOLT, HEAD	14							
21	1	119265-01341	GASKET, HEAD	1							
22	1	26106-060122	BOLT, M6X 12 PLATED	2							
23	1	719260-02870	BEARING, 0.25 US	4							1

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Fig.2. GEAR HOUSING

2.GEAR HOUSING



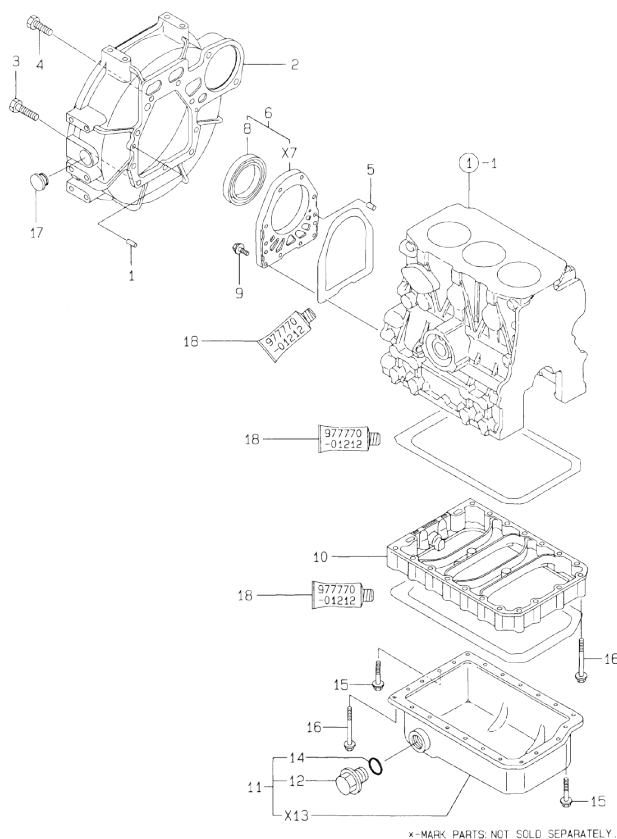
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119260-01590	COVER ASSY,GEAR CASE	1							
3	2	119620-01800	SEAL, OIL	1							
4	1	119660-01911	PIPE, KNOCK	4							
5	1	119624-32040	O-RING, P12.0	2							
6	1	26106-060162	BOLT, M6X 16 PLATED	5							
7	1	26106-060302	BOLT, 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							
13	1	121023-01550	COVER	1							
14	1	24341-000240	O-RING, 1AS24.0	1							
15	1	26106-060162	BOLT, M6X 16 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							
23	1	119660-01570	STUD, M6X12	4							
24	1	119623-01950	SHIM SET, ADJUSTING	1							
33	1	194990-22050	NUT, M8	4							
34	1	26366-060002	NUT, M6	4							
35	1	97770-01212	GASKET, LIQUID	1							1

Remarks

(1) OPTIONAL PART.

N:Old $\frac{YBS}{100}$ New, Q:Old $\frac{HIS}{100}$ New, R:Old $\frac{YBS}{100}$ New, S:Old $\frac{HIS}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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3. FLYWHEEL HOUSING & OIL SUMP

Remarks
(1) OPTIONAL PART.

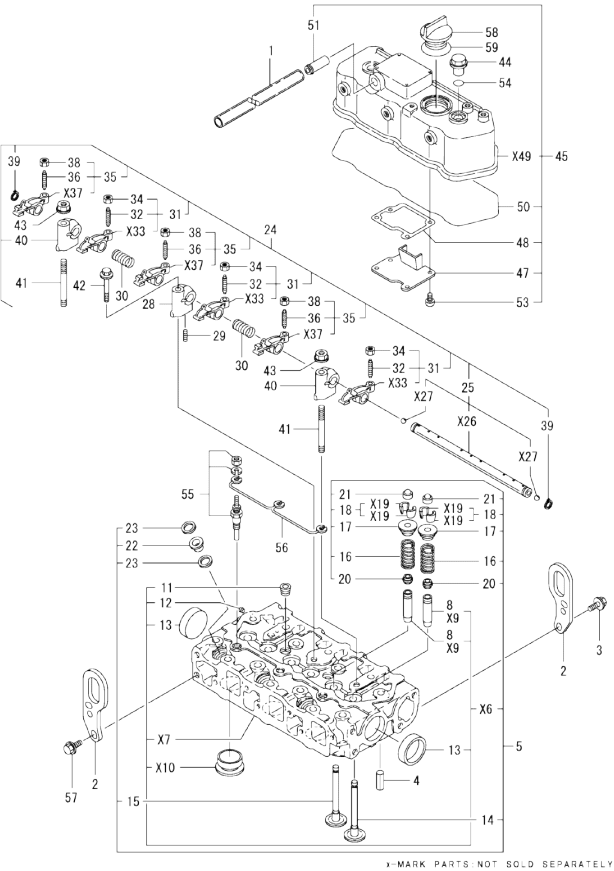
					(A)=3TNE68-EAC (B)= (C)=	(D)= (E)= (F)=					
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty (D)	(E)	(F)	I	R
1	1	129100-01580	PIN, M8X16	2							
2	1	119600-01600	HOUSING, FLYWHEEL	1							
3	1	121120-01620	BOLT, M10X28	3							
4	1	26206-100252	BOLT, M10X 25 PLATED	6							
5	1	119620-01620	PIN, M6X10	2							
6	1	119660-01640	CASE ASSY, OIL SEAL	1							
8	2	124085-02220	SEAL, OIL	1							
9	1	26106-060222	BOLT, M6X 22 PLATED	10							
10	1	119454-01721	SPACER, OIL SUMP	1							
11	1	119260-01770	SUMP ASSY, OIL	1							
12	2	121400-01640	PLUG, 16	1							
14	2	24311-000180	O-RING, 1AP18.0	1							
15	1	26106-060102	BOLT, M6X 10 PLATED	3							
16	1	26106-060452	BOLT, M6X 45 PLATED	20							
17	1	119620-01750	CAP	1							
18	1	977770-01212	GASKET, LIQUID	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.4. CYLINDER HEAD & BONNET



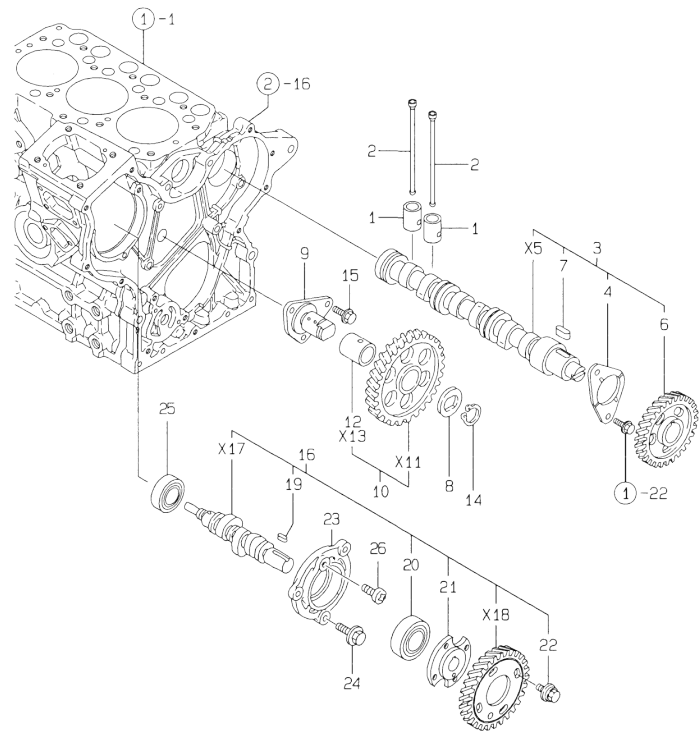
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	23065-120700	PIPE, 12X 700	1							
2	1	119260-07900	LIFTER	2							
3	1	26106-080142	BOLT, M8X 14 PLATED	1							
4	1	22351-060012	PIN, SPRING 6.0X12	2							
5	1	119265-11700	HEAD ASSY, CYLINDER	1							1
8	3	119260-11800	GUIDE, VALVE	6							
11	3	23876-030000	PLUG, R03	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							
21	2	119260-11370	CAP VALVE	6							
22	2	119600-11450	PROTECTOR, NOZZLE	3							
23	2	119600-11460	GASKET, NOZZLE	6							
24	1	119260-11200	SUPPORT ASSY, ARM	1							
25	2	119260-11240	SHAFT ASSY, ROCKER	1							
28	2	119260-11260	SUPPORT, ROCKER ARM	1							
29	2	119260-11270	SCREW	1							
30	2	119260-11280	SPRING	2							
31	2	719260-11650	ARM ASSY, ROCKER	3							
32	3	105010-11230	SCREW, VALVE ADJUST	3							
34	3	26756-060002	NUT, LOCK M6	3							
35	2	719260-11660	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	2	119265-11260	SUPPORT, ROCKER ARM	2							
41	1	119620-11350	STUD	2							
42	1	26106-080452	BOLT, M8X 45 PLATED	1							
43	1	26366-080002	NUT, M8	2							
44	1	124160-11360	KNOB	2							
45	1	119260-11331	BONNET ASSY, HEAD	1							
47	2	119260-03020	PLATE, SHELTER	1							
48	2	119260-03031	GASKET	1							
50	2	119260-11310	GASKET, BONNET	1							
51	2	118400-03060	JOINT, BREATHER	1							
53	2	22857-500100	SCREW, 5X10	4							
54	1	24311-000120	O-RING, 1AP12.0	2							
55	1	129795-77800	PLUG, GLOW	3							
56	1	119620-77820	CONNECTOR, GLOW PLUG	1							
57	1	26106-080142	BOLT, M8X 14 PLATED	2							
58	1	124160-01751	COVER, FILLER	1							
59	1	24311-000320	O-RING, 1AP32.0	1							

Remarks

(1) REPAIR PART.

N:Old $\frac{YBS}{100}$ New, Q:Old $\frac{H0}{100}$ New, R:Old $\frac{YBS}{100}$ New, S:Old $\frac{H0}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.6. CAMSHAFT & DRIVING GEAR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(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	119225-14210	CAM ASSY	1							
19	2	22512-040120	KEY, 4X 12	1							
20	2	24102-063034	BEARING, BALL 6303U	1							
21	2	119660-25920	FLANGE	1							
22	2	119660-25930	BOLT	4							
23	1	119660-01821	BEARING, FUEL CAM	1							
24	1	26106-060162	BOLT, M6X 16 PLATED	3							
25	1	24101-062034	BEARING, BALL 6203	1							
26	1	26587-080102	SCREW, M8X10	1							

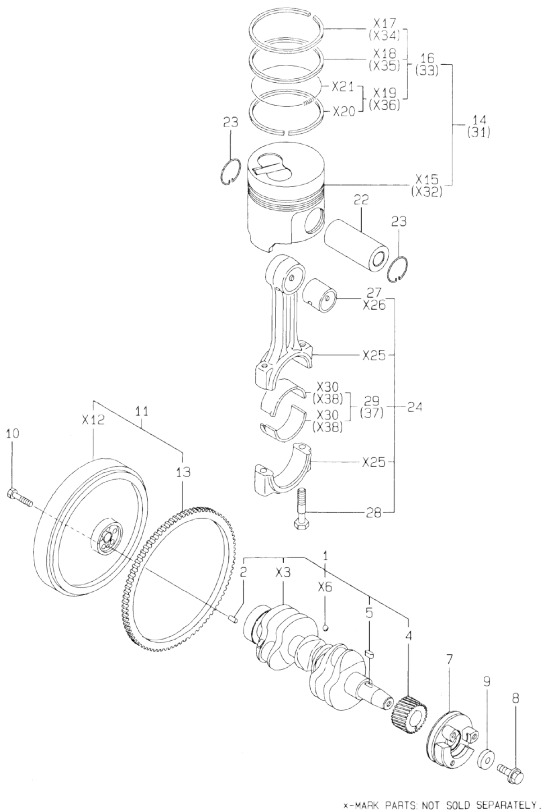
Remarks

(1) REPAIR PART.

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{YES}{NO}$ New, R:Old $\frac{YES}{NO}$ New, S:Old $\frac{YES}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.7. CRANKSHAFT & PISTON

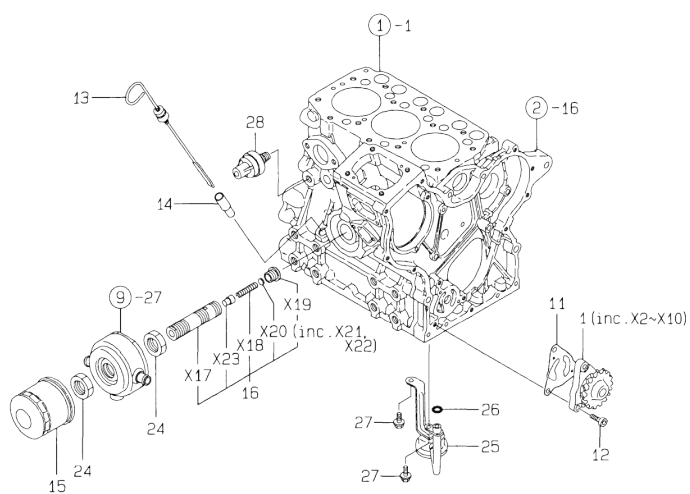
7.CRANKSHAFT & PISTON



x-MARK PARTS NOT SOLD SEPARATELY.

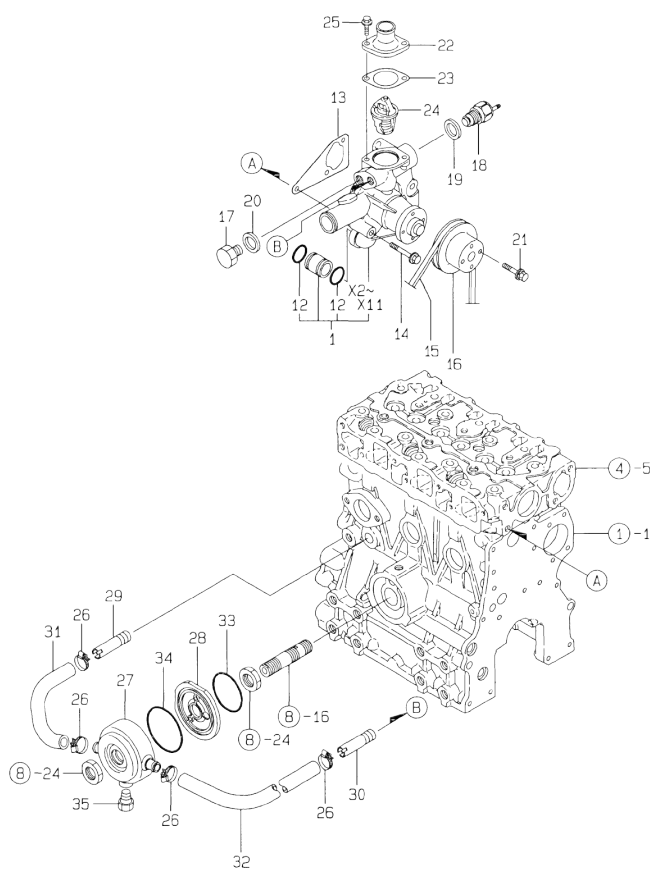
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119265-21700	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	119260-21200	GEAR, CRANKSHAFT	1							
5	2	22512-040120	KEY, 4X 12	1							
7	1	119265-21650	V-PULLEY	1							
8	1	119621-21680	BOLT, FLANGE 12X1.25	1							
9	1	119620-21941	WASHER	1							
10	1	121111-21501	BOLT, FLYWHEEL	5							
11	1	119265-21590	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	119265-22900	PISTON ASSY, 0.25 OS	3							2
33	2	119265-22950	RING SET, 0.25 OS	3							2
37	1	719260-23610	BEARING ASSY, 0.25	3							3

8.LUB.OIL SYSTEM



No.	Lev.	Parts No.	Description	(A)=3TNE68-EAC			(D)=			I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119260-32000	PUMP ASSY, OIL	1							
11	1	119660-32020	GASKET, PUMP	1							
12	1	26450-060202	BOLT, M6X 20	3							
13	1	129132-34800	DIPSTICK, OIL	1							
14	1	121520-34810	GUIDE, DIPSTICK	1							
15	1	119305-35150	FILTER, OIL	1							
16	1	119265-35300	VALVE ASSY, CONTROL	1							
24	1	129150-35350	NUT	2							
25	1	119260-35081	PIPE, OIL INLET	1							
26	1	119209-35030	O-RING, P11	1							
27	1	26106-060122	BOLT, M6X 12 PLATED	2							
28	1	119265-39450	SWITCH	1							

9. COOLING WATER SYSTEM



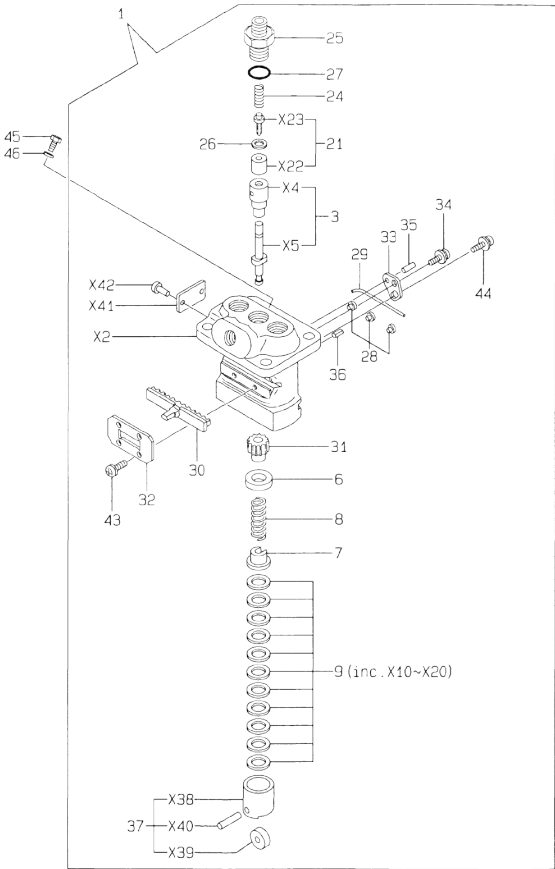
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119265-42002	PUMP ASSY, WATER	1							
12	2	119209-42320	O-RING, P21 EPDM	2							
13	1	119260-42021	GASKET, WATER PUMP	1							
14	1	26106-080452	BOLT, M8X 45 PLATED	3							
15	1	119256-42290	V-BELT, FM33.5	1							
16	1	119256-42360	V-PULLEY	1							
17	1	121450-42450	PLUG, M16	1							
18	1	129110-44900	SWITCH	1							
19	1	124465-44950	GASKET, 16	1							
20	1	124465-44950	GASKET, 16	1							
21	1	26106-060122	BOLT, M6X 12 PLATED	4							
22	1	129350-49530	COVER, THERMOSTAT	1							
23	1	129350-49541	GASKET	1							
24	1	129350-49800	THERMOSTAT, 71	1							
25	1	26106-080202	BOLT, M8X 20 PLATED	2							
26	1	171008-03990	CLIP, HOSE 18.5	4							
27	1	119642-33030	COOLER, OIL	1							
28	1	119642-33100	BRACKET, COOLER	1							
29	1	129122-44480	JOINT	1							
30	1	129122-44480	JOINT	1							
31	1	119642-49030	PIPE, WATER	1							
32	1	129403-49050	PIPE, WATER	1							
33	1	24321-000600	O-RING, 1AG60.0	1							
34	1	24321-000700	O-RING, 1AG70.0	1							
35	1	171056-49120	PLUG, DRAIN	1							

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

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Fig.10. FUEL INJECTION PUMP

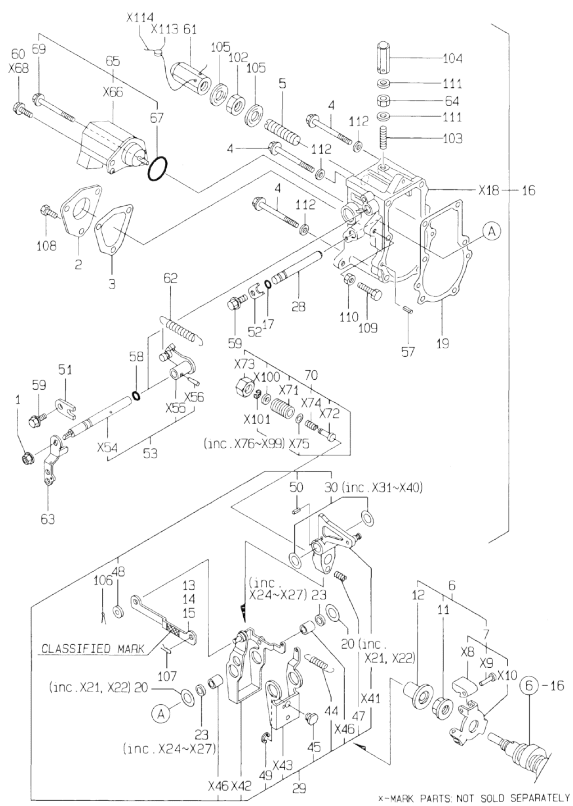
10.FUEL INJECTION PUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719266-51100	PUMP ASSY, INJECTION	1							
3	2	119225-51100	PLUNGER ASSY	3							
6	2	119620-51170	RETAINER, SPRING A	3							
7	2	119620-51180	RETAINER, SPRING B	3							
8	2	119620-51190	SPRING, PLUNGER	3							
9	2	119620-51250	SHIM SET	3							
21	2	119225-51300	VALVE ASSY, DELIVERY	3							
24	2	105546-51330	SPRING, DELIVERY	3							
25	2	119620-51340	HOLDER, DELIVERY	3							
26	2	119620-51350	GASKET	3							
27	2	119620-51370	O-RING	3							
28	2	119620-51450	PIECE	3							
29	2	119620-51461	PIN	1							
30	2	119660-51500	RACK, CONTROL	1							
31	2	119620-51510	PINION	3							
32	2	119660-51530	RETAINER, RACK	1							
33	2	119620-51650	PLATE	2							
34	2	119620-51660	SCREW	2							
35	2	119620-51670	PIN	2							
36	2	119620-51680	PIN	1							
37	2	119620-51700	TAPPET ASSY	3							
43	2	26022-040082	SCREW, M4X 8	4							
44	2	26033-040102	SCREW, M4X10	2							
45	1	119266-51900	BOLT	1							
46	1	22190-080002	WASHER, SEAL 6	1							

Fig.11. GOVERNOR

11. 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	26106-060702	BOLT, M6X 70 PLATED	5							
5	1	129155-61470	BOLT, CONTROL	1							
6	1	119600-61300	DRIVE ASSY	1							
7	2	119600-61400	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	119288-61200	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	119660-61590	SHAFT	1							
29	2	119288-61510	LEVER ASSY, GOVERNOR	1							
30	3	174307-51700	SHIM SET	2							
44	3	119232-61540	SPRING	1							
45	3	119600-61541	SHIFTER	1							
47	3	119600-61650	SPRING, STARTING	1							
48	3	22117-040000	WASHER, 4	1							
49	3	22272-000040	RING, E- 4	1							
50	3	22351-030014	PIN, SPRING 3.0X14	1							
51	2	119600-61900	RETAINER, SHAFT	1							
52	2	119660-61901	RETAINER, SHAFT	1							
53	2	119285-66080	SHAFT ASSY	1							
57	2	22351-040010	PIN, SPRING 4.0X10	2							
58	2	24341-000070	O-RING, 1AS7.0	1							
59	2	26106-060102	BOLT, M6X 10 PLATED	2							
60	1	121465-59950	BOLT, M6X16	1							
61	1	129100-61930	NUT, CAP	1							
62	1	119260-66010	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							
69	2	26106-060952	BOLT, M6X 95 PLATED	1							
70	1	119260-66720	ANGLEICH ASSY	1							
102	1	26776-120002	NUT, LOCK M12	1							
103	1	121575-66830	SCREW	1							
104	1	119600-66840	NUT, CAP	1							
105	1	22190-120002	WASHER, SEAL 12	2							
106	1	22360-040000	PIN, SNAP 4	1							
107	1	22360-060000	PIN, SNAP 6	1							
108	1	26116-050102	BOLT, M5X 10 PLATED	3							
109	1	26116-060304	BOLT, M6X 30 PLATED	1							
110	1	26756-060002	NUT, LOCK M6	1							
111	1	22190-060003	SEAL WASHER 6	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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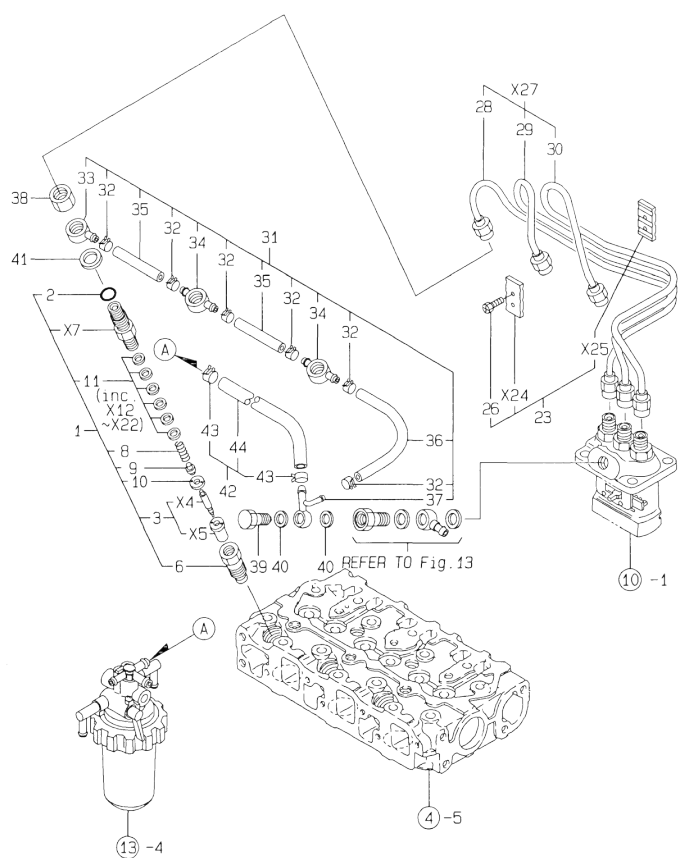
[illegible]

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
112	1	22111-060000	WASHER 6	3							

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

12.FUEL INJECTION VALVE

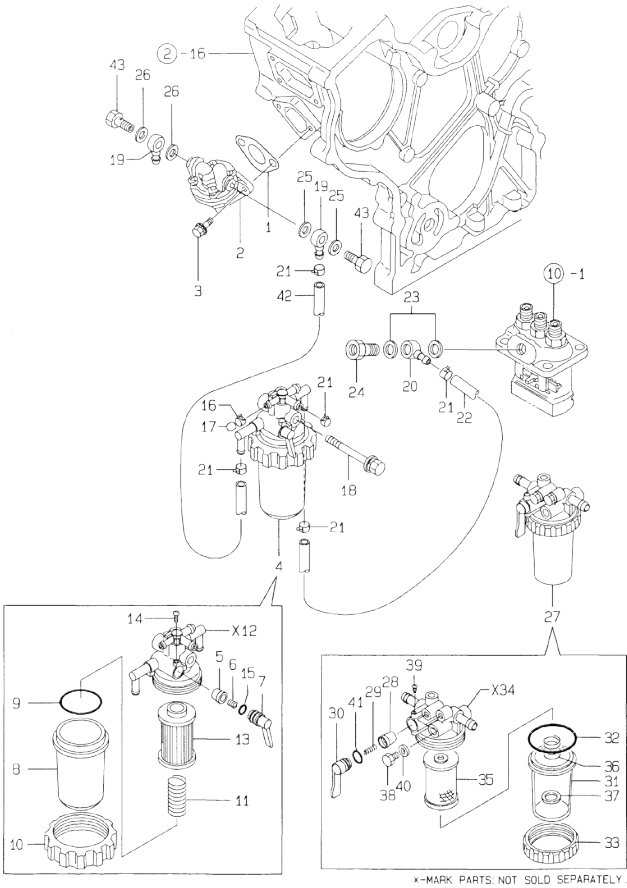


No.	Lev.	Parts No.	Description	(A)=3TNE68-EAC						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719620-53700	VALVE ASSY,INJECTION	3							
2	2	129155-61830	O-RING, S10	3							
3	2	119620-53000	VALVE ASSY,INJECTION	3							
6	2	119620-53080	NUT, NOZZLE	3							
8	2	119620-53120	SPRING, NOZZLE	3							
9	2	114250-53130	SEAT, SPRING	3							
10	2	119620-53140	SPACER, VALVE STOP	3							
11	2	114250-53400	SHIM SET	3							
23	1	129150-59120	RETAINER, PIPE	1							
26	2	129150-59131	BOLT, M4X14	2							
28	2	119225-59810	PIPE ASSY, INJECTION	1							
29	2	119260-59820	PIPE ASSY, INJECTION	1							
30	2	119260-59830	PIPE ASSY, INJECTION	1							
31	1	119642-59540	PIPE ASSY, RETURN	1							
32	2	124066-59100	CLIP, HOSE 8	6							
33	2	119260-59520	JOINT	1							
34	2	119260-59530	JOINT	2							
35	2	105025-59550	PIPE, FUEL RETURN	2							
36	2	119642-59550	PIPE, FUEL RETURN	1							
37	2	119642-59570	JOINT, OVER FLOW	1							
38	1	119620-59700	NUT, NOZZLE	3							
39	1	124550-59820	BOLT, PIPE, JOINT M8	1							
40	1	22190-080002	WASHER, SEAL 6	2							
41	1	22190-140002	WASHER, SEAL 14	3							
42	1	724767-59080	PIPE ASSY, FUEL L155	1							
43	2	124766-59050	CLIP, HOSE 12	2							
44	2	124767-59080	PIPE, FUEL	1							

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

Fig.13. FUEL LINE

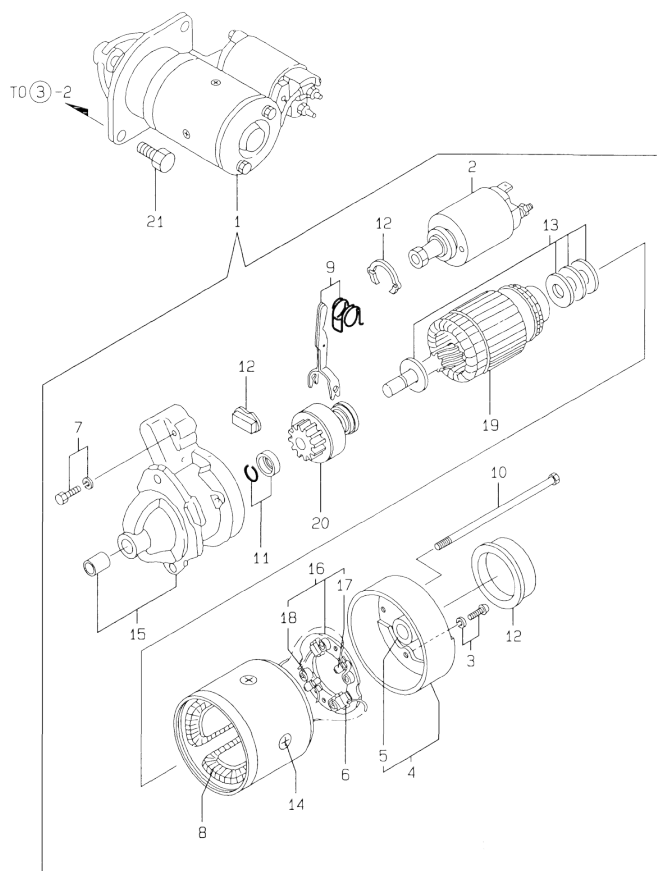
13. FUEL LINE



x-MARK PARTS NOT SOLD SEPARATELY

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							
3	1	26014-060202	BOLT, M6X 20	2							
4	1	119632-55620	FILTER ASSY, FUEL	1							
5	2	104200-55321	VALVE, TAPER	1							
6	2	104200-55330	SPRING, VALVE	1							
7	2	119810-55340	LEVER	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	104200-55750	SCREW, M4	1							
15	2	24311-240100	O-RING, 1AP10A	1							
16	1	124066-59100	CLIP, HOSE 8	1							
17	1	129150-59580	CAP	1							
18	1	26014-080702	BOLT, M8X 70	1							
19	1	104264-59030	JOINT, PIPE 8	2							
20	1	101304-59020	JOINT, PIPE 12	1							
21	1	124766-59050	CLIP, HOSE 12	5							
22	1	124767-59080	PIPE, FUEL	1							
23	1	22190-120002	WASHER, SEAL 12	2							
24	1	119650-59200	BOLT, PIPE JOINT M12	1							
25	1	22190-080002	WASHER, SEAL 6	2							
26	1	22190-080002	WASHER, SEAL 6	2							
27	1	121850-55800	SEPARATOR ASSY, WATER	1							
28	2	104200-55321	VALVE, TAPER	1							
29	2	104200-55330	SPRING, VALVE	1							
30	2	104200-55341	HANDLE	1							
31	2	121254-55510	COVER	1							
32	2	102103-55520	O-RING	1							
33	2	110250-55610	RING, RETAINING	1							
35	2	121850-55710	SCREEN	1							
36	2	121257-55720	SPRING	1							
37	2	121257-55731	FLOAT	1							
38	2	101720-55750	PLUG, 6	2							
39	2	104200-55750	SCREW, M4	1							
40	2	23418-060000	GASKET, 6X1.0	2							
41	2	24311-240100	O-RING, 1AP10A	1							
42	1	121402-59080	PIPE, FUEL D12X230	1							
43	1	105582-59150	BOLT, PIPE JOINT	2							

14. STARTING MOTOR

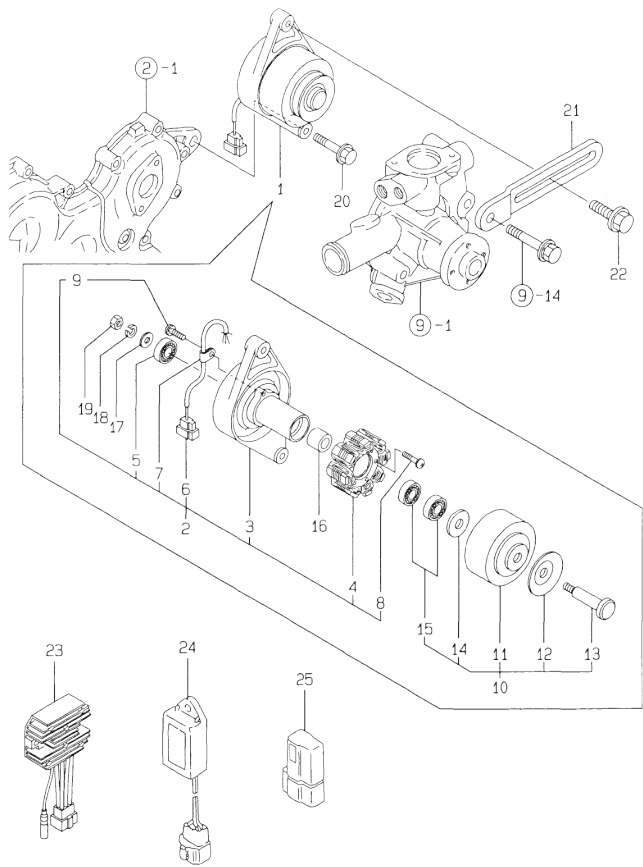


No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119631-77010	STARTER	1							
2	2	X2114275070	SWITCH, MAGNETIC	1							
3	2	X2114283500	SCREW SET	1							
4	2	X2114430010	COVER ASSY, REAR	1							
5	3	X2114535200	METAL, STARTER	1							
6	2	X2114531200	BRUSH (+)	2							
7	2	X2114586700	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							

OCV10-M73500

Fig.15. GENERATOR

15. GENERATOR

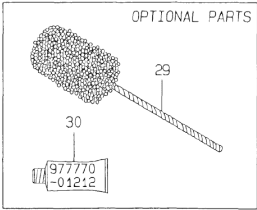
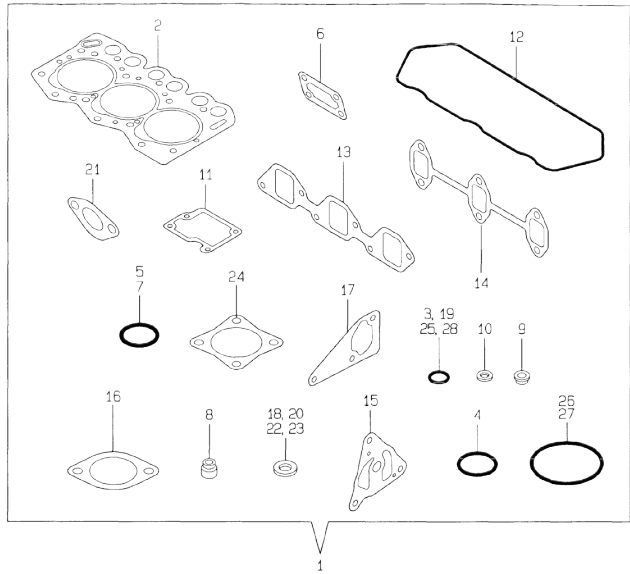


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171301-77201	DYNAMO ASSY, 15A	1							
2	2	XM08137	PLATE ASSY	1							
3	3	XM08138	PLATE	1							
4	3	XM08180	STATOR ASSY	1							
5	3	XM27436	BALL BEARING	1							
6	3	XM17878	COUPLER	1							
7	3	XM36410	CLAMP	1							
8	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	121521-77330	ADJUSTER	1							
22	1	26014-080252	BOLT, M8X 25	1							
23	1	129132-77700	LIMITER, RS5136	1							
24	1	119632-77920	TIMER	1							
25	1	119643-66900	DIODE	2							

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
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Fig.16. GASKET SET

16.GASKET SET



Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719265-92740	GASKET SET	1							1
2	2	119265-01341	GASKET, HEAD	1							
3	2	24311-000120	O-RING, 1AP12.0	2							
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	119260-12111	GASKET, MANIFOLD	1							
14	2	119260-13110	GASKET	1							
15	2	119660-32020	GASKET, PUMP	1							
16	2	129350-49541	GASKET	1							
17	2	119260-42021	GASKET, WATER PUMP	1							
18	2	124465-44950	GASKET, 16	2							
19	2	129155-61830	O-RING, S10	3							
20	2	22190-140002	WASHER, SEAL 14	3							
21	2	121520-01851	GASKET	1							
22	2	22190-120002	WASHER, SEAL 12	2							
23	2	22190-080002	WASHER, SEAL 6	7							
24	2	121000-13201	GASKET, SILENCER	1							
25	2	119209-35030	O-RING, P11	1							
26	2	24321-000600	O-RING, 1AG60.0	1							
27	2	24321-000700	O-RING, 1AG70.0	1							
28	2	119624-32040	O-RING, P12.0	2							
29	1	129400-92400	FLEX HORN	1							1
30	1	977770-01212	GASKET, LIQUID	1							1

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104200-55330	13	6
		29
104200-55341	13	30
104200-55750	13	14
		39
104264-59030	13	19
105010-11230	4	32
		36
105025-59550	12	35
105546-51330	10	24
105582-59150	13	43
106383-44720	15	16
106383-44730	15	17
110250-55610	13	10
		33
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114250-11180	4	17
114250-53130	12	9
114250-53400	12	11
118400-03060	4	51
119131-18320	5	8
119209-35030	8	26
	16	25
119209-42320	9	12
119225-14210	6	16
119225-51100	10	3
119225-51300	10	21
119225-59810	12	28
119232-61540	11	44
119256-42290	9	15
119256-42360	9	16
119260-01490	2	16
119260-01510	2	18
119260-01590	2	1
119260-01770	3	11
119260-02020	1	5
119260-02800	1	14
119260-02930	1	17
119260-03020	4	47
119260-03031	4	48
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119260-07900	4	2
119260-11100	4	14
119260-11110	4	15

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119260-11240	4	25
119260-11260	4	28
119260-11270	4	29
119260-11280	4	30
119260-11310	4	50
	16	12
119260-11331	4	45
119260-11340	4	20
	16	8
119260-11370	4	21
119260-11800	4	8
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119260-13100	5	4
119260-13110	5	5
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119260-14200	6	1
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119260-14580	6	3
119260-21200	7	4
119260-23910	7	27
119260-25100	6	10
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119260-35081	8	25
119260-42021	9	13
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119260-59520	12	33
119260-59530	12	34
119260-59820	12	29
119260-59830	12	30
119260-66010	11	62
119260-66720	11	70
119265-01250	1	9
119265-01341	1	21
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119265-11260	4	40
119265-11700	4	5
119265-21590	7	11
119265-21650	7	7
119265-21700	7	1
119265-22090	7	14
119265-22300	7	22
119265-22500	7	16
119265-22900	7	31
119265-22950	7	33
119265-23100	7	24
119265-23200	7	28

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119265-35300	8	16
119265-39450	8	28
119265-42002	9	1
119266-01200	1	20
119266-02410	1	13
119266-51900	10	45
119285-66080	11	53
119285-66500	11	65
119288-61200	11	16
119288-61510	11	29
119305-35150	8	15
119454-01721	3	10
119600-01600	3	2
119600-11450	4	22
	16	9
119600-11460	4	23
	16	10
119600-52021	13	2
119600-61300	11	6
119600-61400	11	7
119600-61541	11	45
119600-61650	11	47
119600-61900	11	51
119600-66840	11	104
119620-01620	3	5
119620-01750	3	17
119620-01800	2	3
119620-02450	6	4
119620-11350	4	41
119620-21941	7	9
119620-25912	6	12
119620-51170	10	6
119620-51180	10	7
119620-51190	10	8
119620-51250	10	9
119620-51340	10	25
119620-51350	10	26
119620-51370	10	27
119620-51450	10	28
119620-51461	10	29
119620-51510	10	31
119620-51650	10	33
119620-51660	10	34
119620-51670	10	35
119620-51680	10	36
119620-51700	10	37
119620-53000	12	3
119620-53080	12	6
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119620-53140	12	10

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119620-77820	4	56
119621-21680	7	8
119621-66051	11	63
119623-01950	2	24
119624-32040	2	5
	16	28
119631-77010	14	1
119632-55620	13	4
119632-77920	15	24
119642-33030	9	27
119642-33100	9	28
119642-49030	9	31
119642-59540	12	31
119642-59550	12	36
119642-59570	12	37
119643-66900	15	25
119650-59200	13	24
119660-01551	2	21
119660-01562	2	22
	16	6
119660-01570	2	23
119660-01640	3	6
119660-01821	6	23
119660-01911	2	4
119660-25022	6	8
119660-25052	6	9
119660-25920	6	21
119660-25930	6	22
119660-32020	8	11
	16	15
119660-51500	10	30
119660-51530	10	32
119660-61052	11	19
119660-61060	11	2
119660-61071	11	3
119660-61121	11	13
119660-61140	11	14
119660-61150	11	15
119660-61300	11	11
119660-61341	11	12
119660-61460	11	20
119660-61590	11	28
119660-61901	11	52
119810-55340	13	7
119865-21600	7	13
121000-13201	5	11
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121254-55510	13	8
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121257-55720	13	36
121257-55731	13	37
121400-01640	3	12
121402-59080	13	42
121450-01560	2	19
121450-42450	9	17
121465-59950	11	60
121520-01851	13	1
	16	21
121520-34810	8	14
121521-77330	15	21
121575-66830	11	103
121850-55710	13	35
121850-55800	13	27
124060-01050	1	4
124066-59100	12	32
	13	16
124085-02220	3	8
124160-01751	2	11
	4	58
124160-11360	4	44
124190-77110	14	19
124190-77760	14	20
124465-44950	9	19
		20
	16	18
124550-55700	13	13
124550-59820	12	39
124550-66370	11	64
124766-59050	12	43
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129100-01580	3	1
	7	2
129100-61930	11	61
129110-44900	9	18
129122-44480	9	29
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129132-34800	8	13
129132-77700	15	23
129150-35350	8	24
129150-59120	12	23
129150-59131	12	26
129150-59580	13	17
129155-51280	11	17

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129350-49541	9	23
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129400-92400	16	29
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171008-03990	9	26
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171301-77201	15	1
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22190-120002	11	105
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22190-140002	12	41
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22212-100000	15	18
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22272-000040	11	49
22351-030014	11	50
22351-040010	2	20
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22351-060012	4	4
22360-040000	11	106
22360-060000	11	107
22512-040120	6	7
		19
	7	5
22857-500100	4	53
23065-120700	4	1
23418-060000	13	40
23876-030000	4	11
24101-062034	6	25
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24311-000180	3	14
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24311-240100	13	15
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24321-000600	9	33
	16	26
24321-000700	9	34
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24341-000070	11	58
24341-000240	2	14
	16	5
24341-000280	11	67
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26014-080702	13	18
26022-040082	10	43
26022-040252	15	8
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	6	15
	8	27
	9	21
26106-060162	2	6
	15	
	6	24
26106-060202	5	3
26106-060222	3	9
26106-060302	2	7
26106-060352	5	6
26106-060402	2	8
26106-060452	3	16
26106-060502	2	9
26106-060652	2	10
26106-060702	11	4
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26216-060402	5	7
26366-060002	2	34
	5	9
26366-080002	4	43
	5	10
26450-060202	8	12
26587-080102	6	26
26716-100002	15	19
26756-060002	4	34
		38
	11	110
26776-120002	11	102
27221-050080	4	12
27221-060100	1	8
27241-100000	1	10
27241-250000	1	11
27241-300000	1	12
27241-350000	4	13
714250-11570	4	18
719260-02870	1	23
719260-11650	4	31
719260-11660	4	35
719260-23600	7	29
719260-23610	7	37
719265-01560	1	1
719265-92740	16	1
719266-51100	10	1
719620-53700	12	1
724767-59080	12	42
977770-01212	2	35
	3	18
	16	30
X2114275070	14	2
X2114283500	14	3
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X2114535200	14	5
X2114586700	14	7
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X2114715500	14	11
X2114780060	14	12
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