

0CV10-M49500EN

P R E F A C E

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNE68 - LG4 engine manufactured since October, 1996.
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 3TNE68-LG4			
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	FLYWHEEL HOUSING & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD		
6.	EXHAUST MANIFOLD		
7.	CAMSHAFT & DRIVING GEAR		
8.	CRANKSHAFT & PISTON		
9.	LUB.OIL SYSTEM		
10.	COOLING WATER SYSTEM		
11.	FUEL INJECTION PUMP		
12.	GOVERNOR		
13.	FUEL INJECTION VALVE		
14.	FUEL LINE		
15.	STARTING MOTOR		
16.	GENERATOR		
17.	GASKET SET		

1. CYLINDER BLOCK



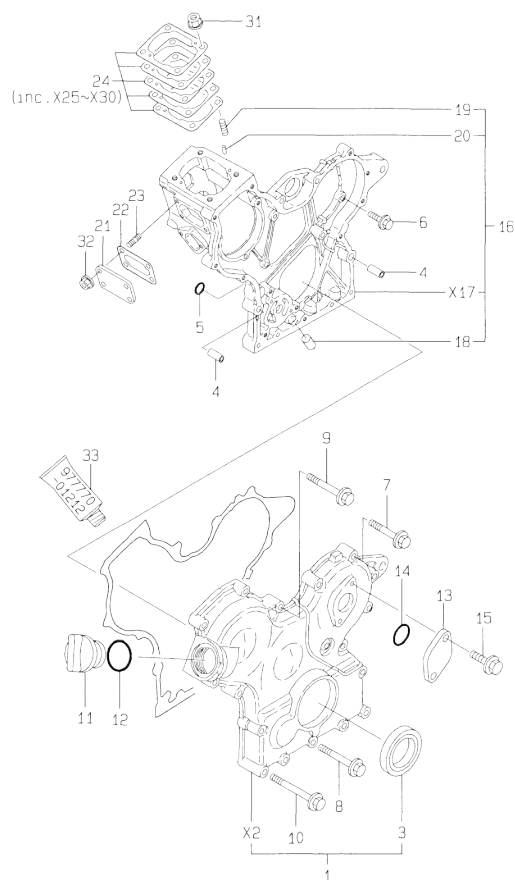
(1) UNDER-SIZE(U.S=0.25)PART.

No.	Lev.	Parts No.	Description	(A)=3TNE68-LG4			(D)=			I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719265-01580	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	119260-02800	BEARING, MAIN	4							
17	2	119260-02930	BEARING, THRUST	2							
20	1	119260-01200	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							

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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2. GEAR HOUSING

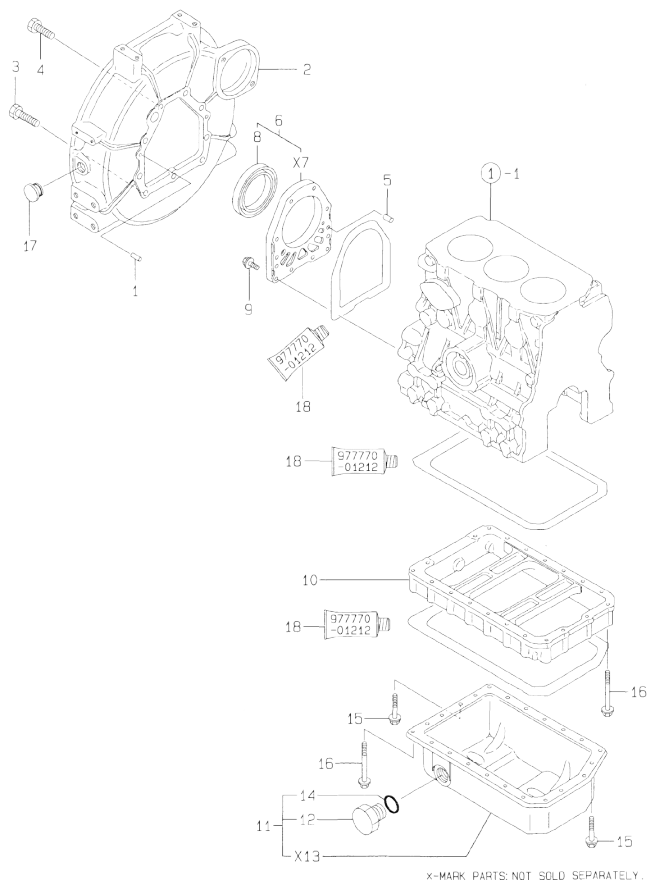


				(A)=3TNE68-LG4						(D)=		
				(B)=						(E)=		
				(C)=						(F)=		
No.	Lev.	Parts No.	Description	Qty							I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	119260-01590	COVER ASSY,GEAR CASE	1								
3	2	119620-01800	SEAL, OIL	1								
4	1	119660-01911	PIPE, KNOCK	4								
5	1	24311-000120	O-RING, 1AP12.0	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	26106-060182	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								
23	1	119660-01570	STUD, M6X12	4								
24	1	119623-01950	SHIM SET, ADJUSTING	1								
31	1	194990-22050	NUT, M8	4								
32	1	26366-060002	NUT, M6	4								
33	1	977770-01212	GASKET, LIQUID	1							1	

Remarks
(1) OPTIONAL PART.

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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3. FLYWHEEL HOUSING & OIL SUMP



X-MARK PARTS: NOT SOLD SEPARATELY.

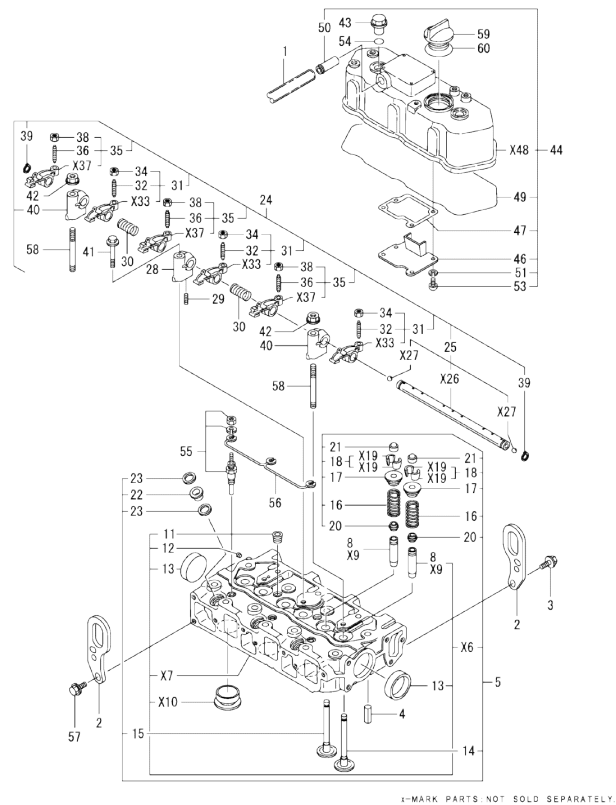
(1) OPTIONAL PART.

					(A)=3TNE68-LG4 (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	119260-01600	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	243111-000180	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 $\xrightarrow[\text{No}]{\text{Yes}}$ 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

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Fig.4. CYLINDER HEAD & BONNET



⚠-MARK PARTS NOT SOLD SEPARATELY.

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							
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	23871-030000	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	26106-080452	BOLT, M8X 45 PLATED	1							
42	1	26366-080002	NUT, M8	2							
43	1	124160-11360	KNOB	2							
44	1	119260-11330	BONNET ASSY, HEAD	1							
46	2	119260-03020	PLATE, SHELTER	1							
47	2	119260-03031	GASKET	1							
49	2	119260-11310	GASKET, BONNET	1							
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							
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	119620-11350	STUD	2							
59	1	124160-01751	COVER, FILLER	1							
60	1	24311-000320	O-RING, 1AP32.0	1							

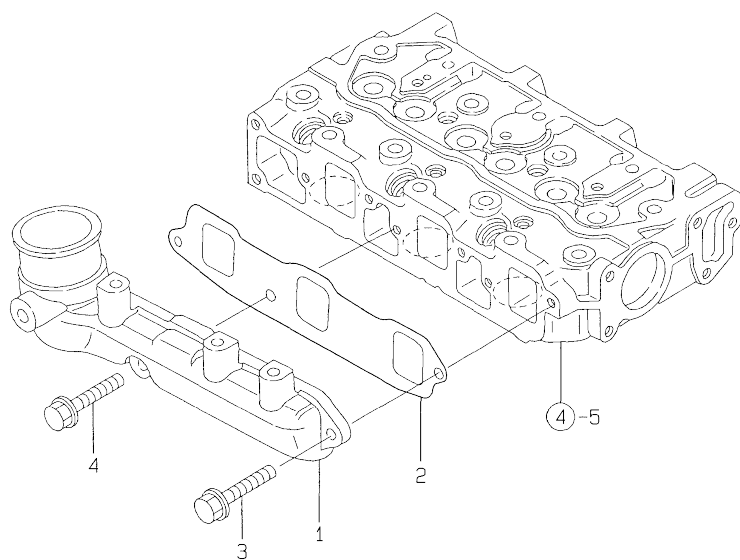
Remarks

(1) REPAIR PART.

N:Old $\frac{NBS}{100}$ New, O:Old $\frac{HS}{100}$ New, R:Old $\frac{NBS}{100}$ New, S:Old $\frac{HS}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.5. SUCTION MANIFOLD

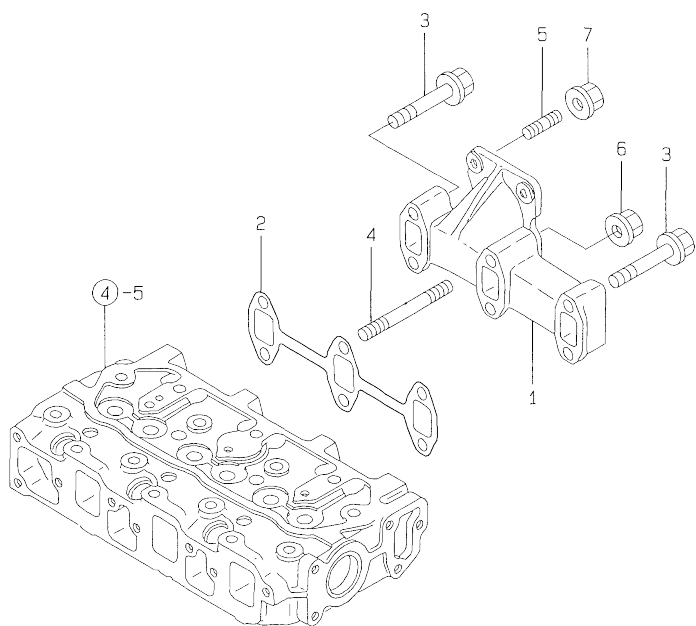
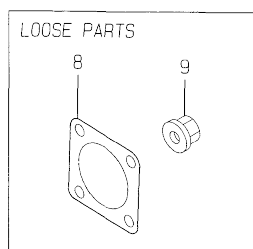
5. SUCTION MANIFOLD



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119270-12100	MANIFOLD, AIR INTAKE	1							
2	1	119270-12110	GASKET, MANIFOLD	1							
3	1	26106-060162	BOLT, M6X 16 PLATED	2							
4	1	26106-060282	BOLT, M6X 28 PLATED	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:Qty Change

6. EXHAUST MANIFOLD

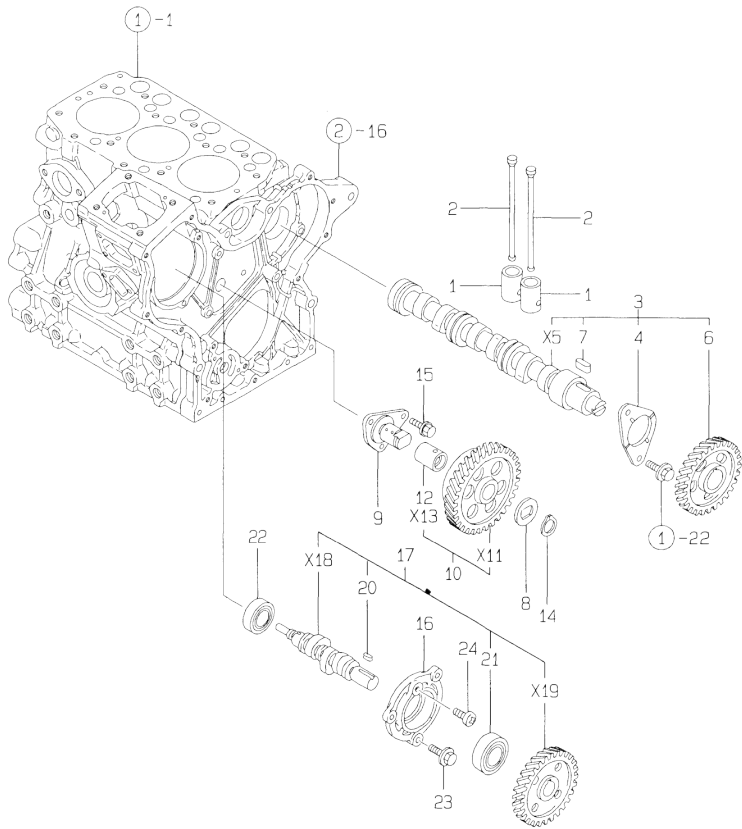


				(A)=3TNE68-LG4					(D)=			
				(B)=					(E)=			
				(C)=					(F)=			
No.	Lev.	Parts No.	Description	Q'ty							I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	119260-13100	MANIFOLD, EXHAUST	1								
2	1	119260-13110	GASKET	1								
3	1	26106-060352	BOLT, M6X 35 PLATED	4								
4	1	26216-060402	STUD, M6X 40	2								
5	1	26216-080222	STUD, M8X 22	4								
6	1	26366-060002	NUT, M6	2								
7	1	194990-22050	NUT, M8	4								
8	1	121000-13201	GASKET, SILENCER	1								
9	1	194990-22050	NUT, M8	4								

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Fig.7. CAMSHAFT & DRIVING GEAR

7.CAMSHAFT & DRIVING GEAR



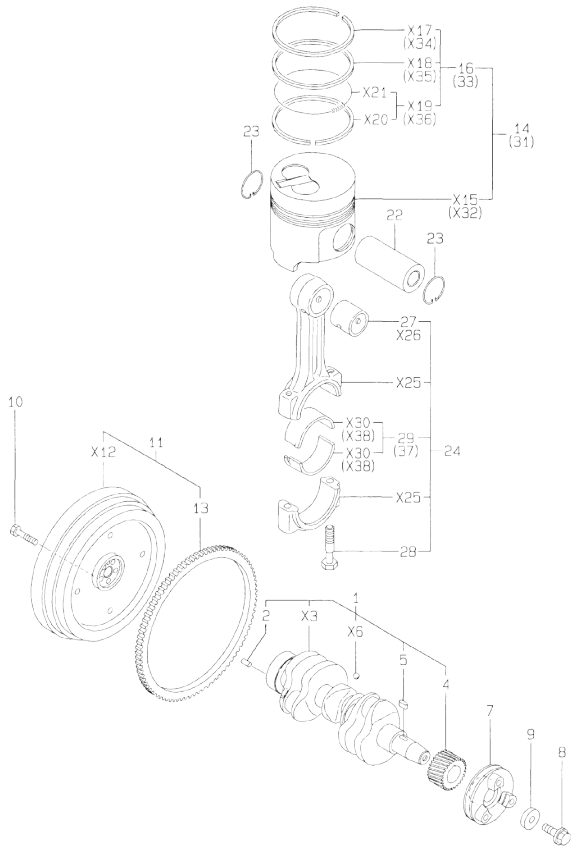
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119260-14200	TAPPET	6							
2	1	119260-14400	ROD, PUSH	6							
3	1	119260-14580	CAMSHAFT ASSY	1							
4	2	119620-02450	BEARING, THRUST	1							
6	2	119260-14100	GEAR, CAMSHAFT	1							
7	2	22512-040120	KEY, 4X 12	1							
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	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 $\frac{YES}{NO}$ 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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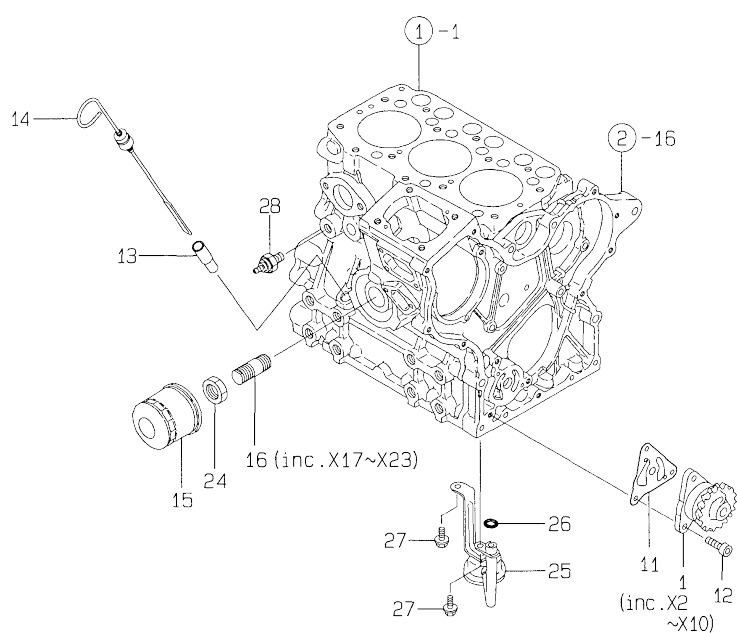
Fig.8. CRANKSHAFT & PISTON

8.CRANKSHAFT & PISTON



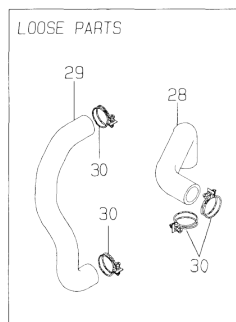
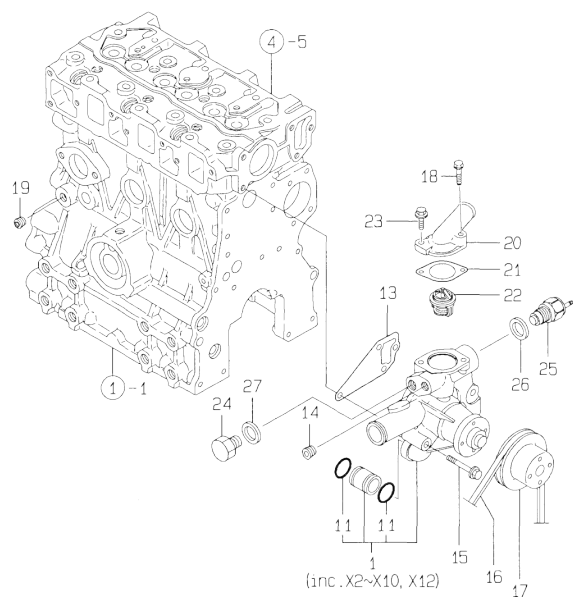
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119265-21700	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	119260-21200	GEAR, CRANKSHAFT	1							
5	2	22512-040120	KEY, 4X 12	1							
7	1	119260-21650	V-PULLEY	1							
8	1	119621-21680	BOLT, FLANGE 12X1.25	1							
9	1	119620-21941	WASHER	1							
10	1	121111-21501	BOLT, FLYWHEEL	5							
11	1	119260-21590	FLYWHEEL ASSY	1							
13	2	124950-21600	GEAR, RING	1							
14	1	119265-22601	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	119265-22930	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

9.LUB.OIL SYSTEM



No.	Lev.	Parts No.	Description	(A)=3TNE68-LG4			(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	121520-34810	GUIDE, DIPSTICK	1							
14	1	119265-34820	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							
27	1	26106-060122	BOLT, M6X 12 PLATED	2							
28	1	124160-39450	SWITCH, 0.5KG	1							

10. COOLING WATER SYSTEM



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
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							
14	1	171056-49120	PLUG, DRAIN	1							
15	1	26106-080452	BOLT, M8X 45 PLATED	3							
16	1	104514-42780	V-BELT, HM33	1							
17	1	119620-42350	V-PULLEY	1							
18	1	26106-080302	BOLT, M8X 30 PLATED	1							
19	1	171056-49120	PLUG, DRAIN	1							
20	1	129470-49540	COVER, THERMOSTAT	1							
21	1	129795-49551	GASKET	1							
22	1	129350-49800	THERMOSTAT, 71	1							
23	1	26106-080202	BOLT, M8X 20 PLATED	1							
24	1	121450-42450	PLUG, M16	1							
25	1	121250-44901	SWITCH, 110	1							
26	1	124465-44950	GASKET, 16	1							
27	1	124465-44950	GASKET, 16	1							
28	1	119288-49010	PIPE, WATER	1							
29	1	119280-49020	PIPE, WATER	1							
30	1	23010-038000	CLAMP, 38	4							

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719225-51100	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							
42	2	22137-040000	WASHER, 4	2							
43	2	22217-040000	WASHER, SPRING 4	2							
44	2	26022-040082	SCREW, M4X 8	4							
45	2	26587-040102	SCREW, M4X10	2							

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

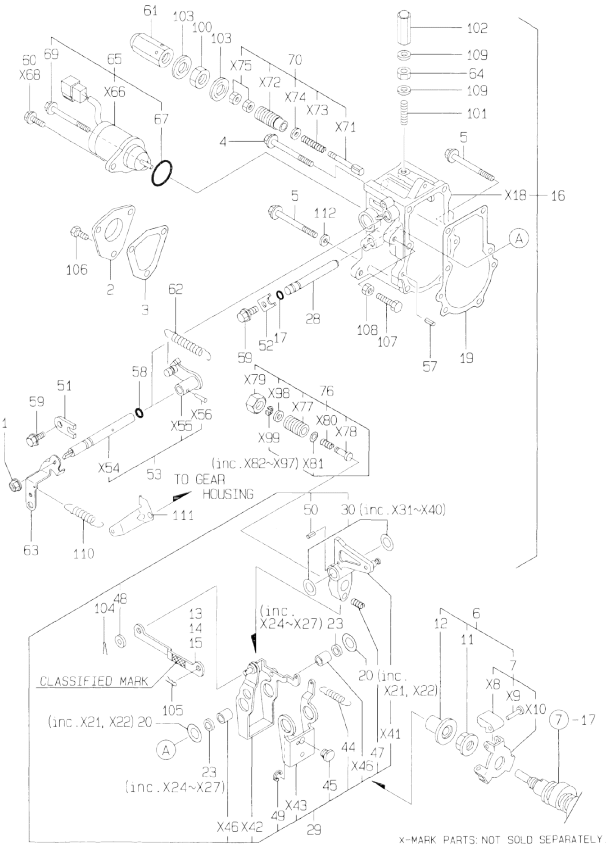
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(A)=3TNE68-LG4
(B)=
(C)=

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

Fig.12. GOVERNOR

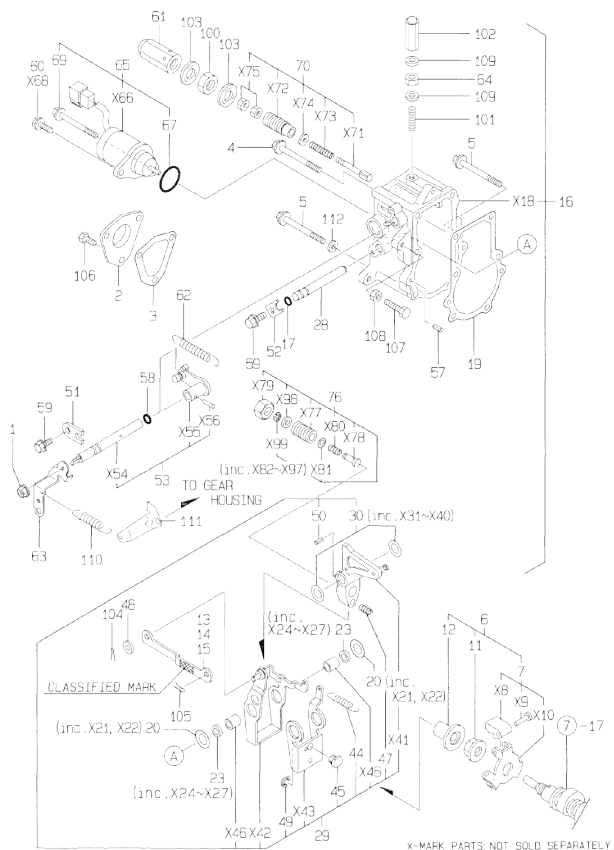
12. GOVERNOR



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	26106-060702	BOLT, M6X 70 PLATED	2							
5	1	26106-060752	BOLT, M6X 75 PLATED	3							
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	129155-61280	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	174307-61700	SHIM SET	2							
44	3	119232-61540	SPRING	1							
45	3	119600-61541	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	22351-030014	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	119600-66020	SPRING, REGULATOR	1							
63	1	119640-66051	HANDLE, REGULATOR	1							
64	1	124550-66370	NUT, M6	1							
65	1	119653-66500	STOPPER ASSY	1							
67	2	24341-000280	O-RING, 1AS28.0	1							
69	2	26106-060952	BOLT, M6X 95 PLATED	1							
70	1	119600-66530	LIMITER ASSY, FUEL	1							
76	1	119654-66700	ANGLEICH ASSY	1							
100	1	26776-120002	NUT, LOCK M12	1							
101	1	121575-66830	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	26116-050102	BOLT, M5X 10 PLATED	3							
107	1	26116-060304	BOLT, M6X 30 PLATED	1							
108	1	26756-060002	NUT, LOCK M6	1							

N:Old $\frac{New}{Old}$ New, Q:Old $\frac{New}{Old}$ New, R:Old $\frac{New}{Old}$ New, S:Old $\frac{New}{Old}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Fig.12. GOVERNOR



X-MARK PARTS: NOT SOLD SEPARATELY

No.	Lev.	Parts No.	Description	(A)=3TNE68-LG4		(D)=		(E)=		I	R
				(B)=	(C)=	(C)	(D)	(E)	(F)		
109	1	22190-060003	SEAL WASHER 6			2					
110	1	119840-61870	SPRING			1					
111	1	119656-66910	HOOK			1					
112	1	221111-060000	WASHER 6			3					

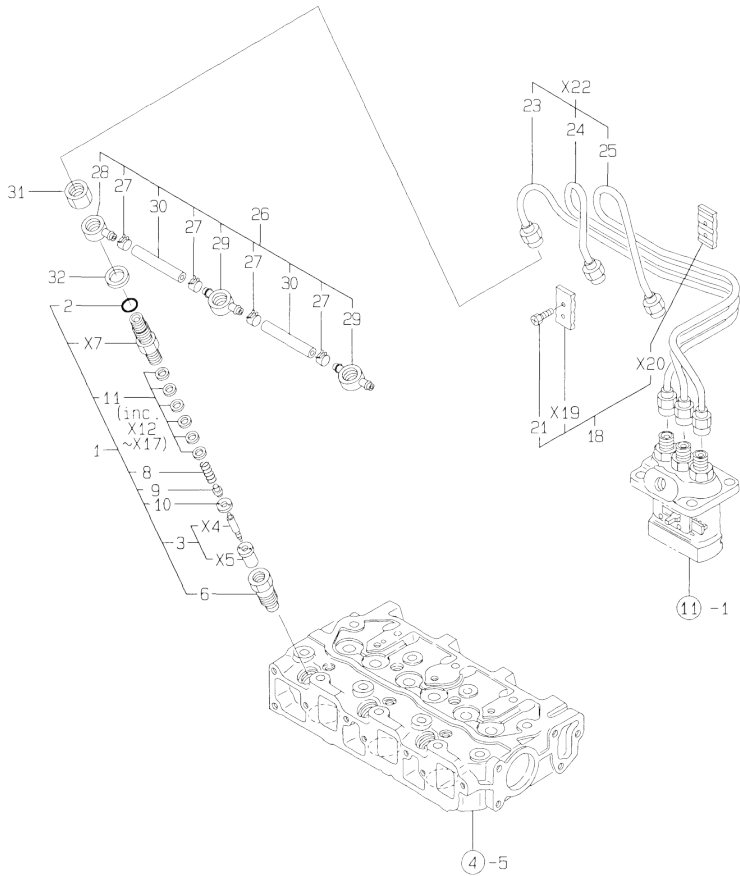
Remarks
(1) SELECTIVE PARTS: CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER(REFER TO ILLUSTRATION)

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

0CV10-M49500

Fig.13. FUEL INJECTION VALVE

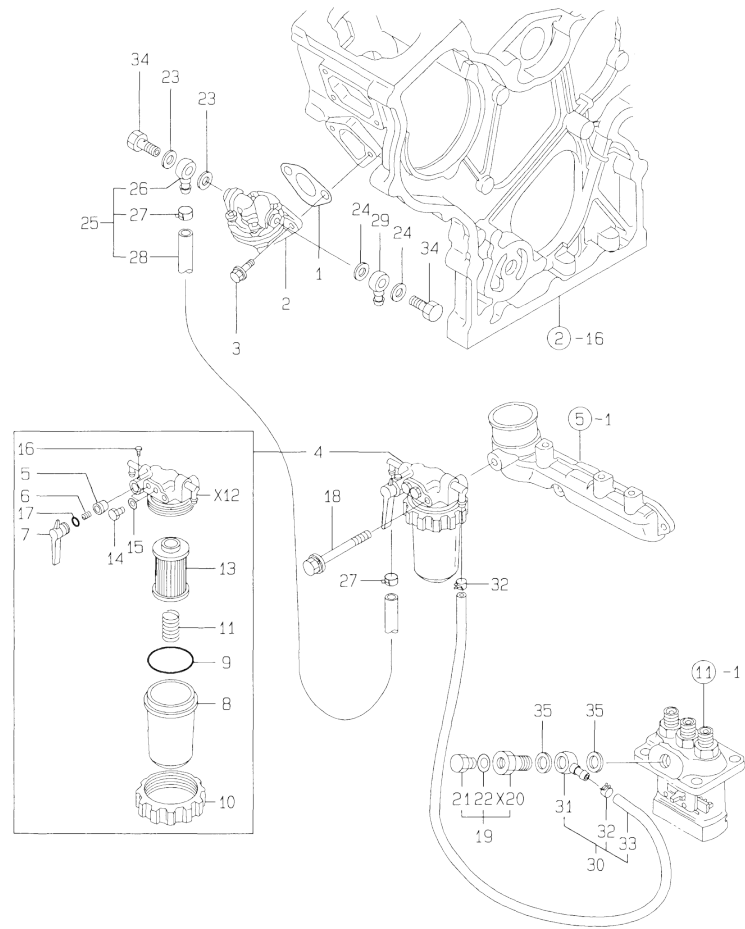
13.FUEL INJECTION VALVE



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	129155-61830	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							
18	1	129150-59120	RETAINER, PIPE	1							
21	2	129150-59131	BOLT, M4X14	2							
23	2	119209-59810	PIPE ASSY, INJECTION	1							
24	2	119209-59820	PIPE ASSY, INJECTION	1							
25	2	119209-59830	PIPE ASSY, INJECTION	1							
26	1	119260-59540	PIPE ASSY, RETURN	1							
27	2	124066-59100	CLIP, HOSE 8	4							
28	2	119260-59520	JOINT	1							
29	2	119260-59530	JOINT	2							
30	2	119260-59550	PIPE, FUEL	2							
31	1	119620-59700	NUT, NOZZLE	3							
32	1	23414-140000	GASKET, 14X1.0	3							

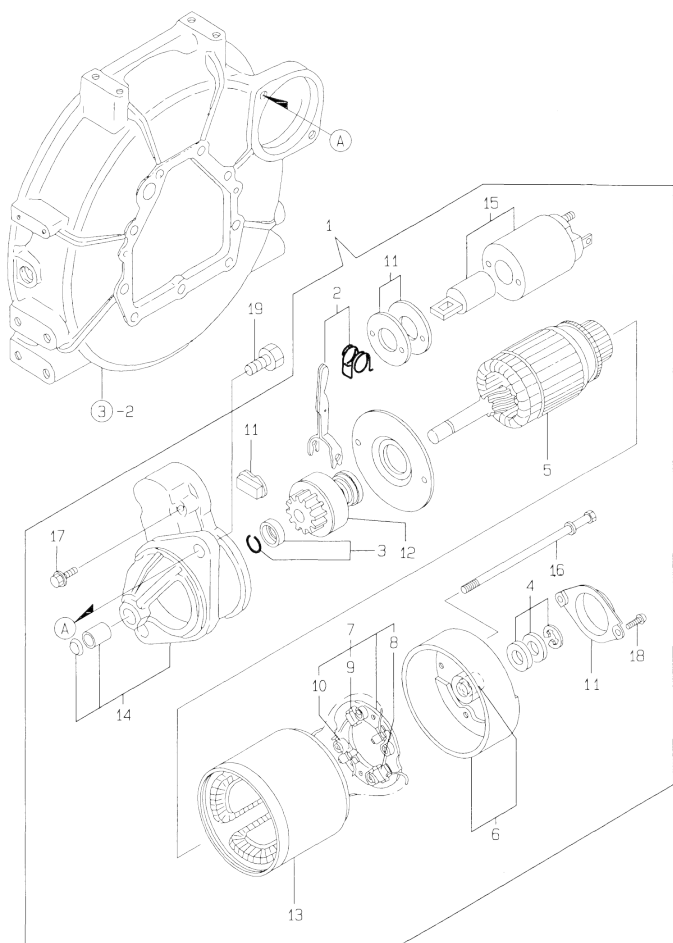
Fig.14. FUEL LINE

14.FUEL LINE



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	26106-060162	BOLT, M6X 16 PLATED	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	26014-080702	BOLT, M8X 70	1							
19	1	103854-59191	BOLT ASSY, JOINT M12	1							
21	2	124060-59380	PLUG, 6	1							
22	2	22190-060002	WASHER, SEAL 6	1							
23	1	22190-080002	WASHER, SEAL 6	2							
24	1	22190-080002	WASHER, SEAL 6	2							
25	1	119244-59020	PIPE ASSY, FUEL	1							
26	2	104264-59030	JOINT, PIPE 8	1							
27	2	124766-59050	CLIP, HOSE 12	2							
28	2	121522-59100	PIPE, FUEL D12X500	1							
29	1	104264-59030	JOINT, PIPE 8	1							
30	1	119230-59031	PIPE ASSY, FUEL	1							
31	2	101304-59020	JOINT, PIPE 12	1							
32	2	124766-59050	CLIP, HOSE 12	2							
33	2	119230-59080	PIPE, FUEL D12X185	1							
34	1	105582-59150	BOLT, PIPE JOINT	2							
35	1	104200-59170	GASKET, 12	2							

15. STARTING MOTOR

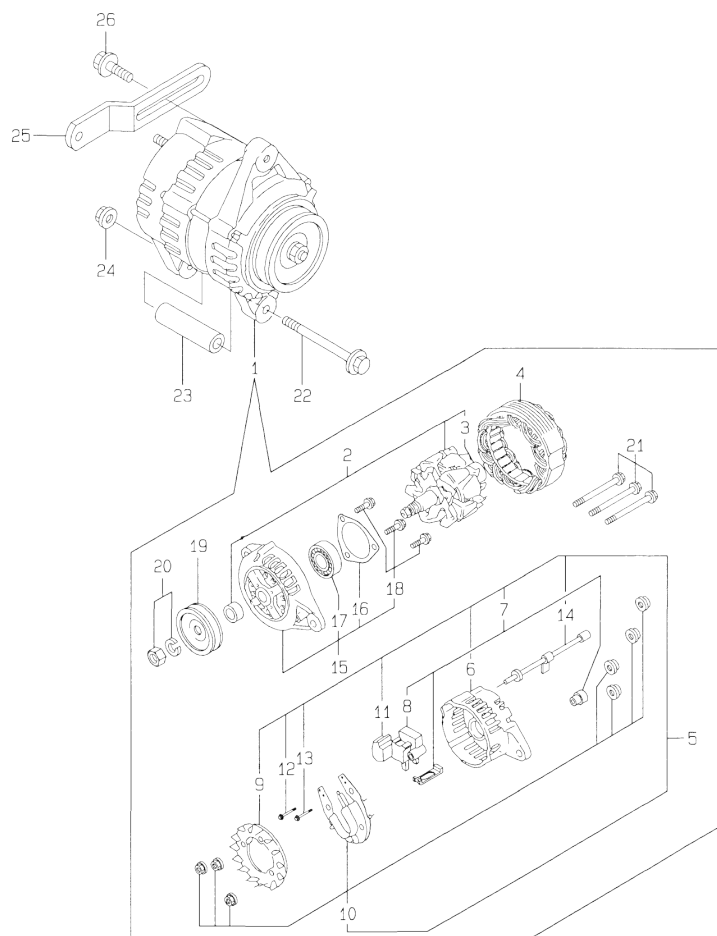


				(A)=3TNE68-LG4				(D)= (E)= (F)=				
No.	Lev.	Parts No.	Description	Q'ty							I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	119226-77010	STARTER,12V-0.8KW	1								
2	2	X2114560130	LEVER KIT, SHIFT	1								
3	2	X2114715500	STOPPER SET, PINION	1								
4	2	X2114811000	WASHER KIT, THRUST	1								
5	2	114371-77110	ARMATURE	1								
6	2	114371-77140	COVER ASSY, REAR	1								
7	2	114371-77160	HOLDER ASSY, BRUSH	1								
8	3	114371-79040	BRUSH (-)	2								
9	3	114371-79050	BRUSH (+)	1								
10	3	114371-79060	SPRING, BRUSH	4								
11	2	114371-77170	COVER KIT, DUST	1								
12	2	119226-77650	CLUTCH ASSY	1								
13	2	124097-77710	YOKE ASSY	1								
14	2	124097-77760	CASE ASSY, GEAR	1								
15	2	124195-77760	MAGNETIC SWITCH ASSY	1								
16	2	124195-77770	THROUGH BOLT	2								
17	2	114371-79070	BOLT M 6X 37	2								
18	2	26022-040122	SCREW, M4X12	2								
19	1	26116-120252	BOLT, M12X 25 PLATED	2								

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

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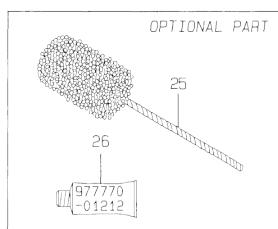
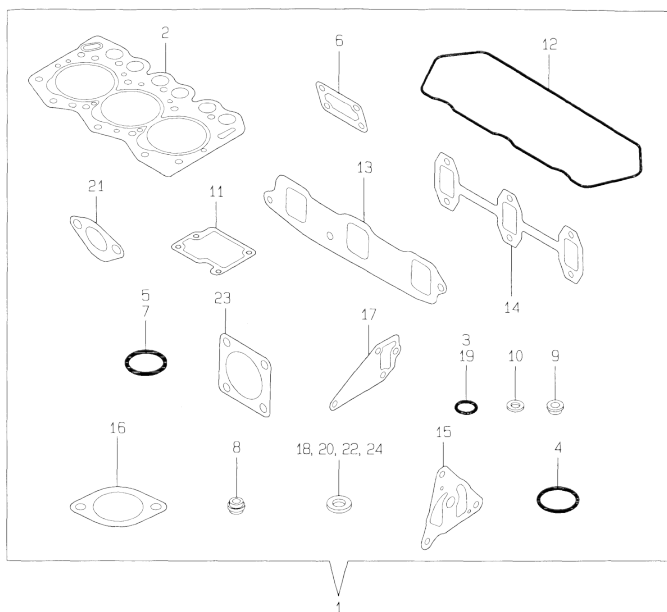
16. GENERATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119836-77200	GENERATOR	1							
2	2	119836-77700	ROTOR ASSY	1							
3	3	119836-77850	BALL BEARING	1							
4	2	119836-77710	STARTER ASSY	1							
5	2	119836-77721	COVER ASSY, REAR	1							
6	3	119836-77730	COVER, REAR	1							
7	3	119836-77741	BRUSH ASSY,REGULATOR	1							
8	4	119836-77750	BRUSH ASSY	1							
9	3	119836-77760	GUIDE, FAN SIDE	1							
10	3	119836-77770	DIODE ASSY	1							
11	3	119836-77780	CONDENSER	1							
12	3	119836-77871	BOLT (1)	1							
13	3	119836-77880	BOLT (2)	1							
14	3	119836-77890	WIRE ASSY, LEAD	1							
15	2	119836-77790	COVER ASSY, FRONT	1							
16	3	119836-77800	RETAINER, BEARING	1							
17	3	119836-77840	BALL BEARING	1							
18	3	119836-77860	SCREW KID	1							
19	2	119836-77810	PULLEY	1							
20	2	119836-77820	NUT ASSY, PULLEY	1							
21	2	119836-77830	BOLT, THROUGH	1							
22	1	26106-081052	BOLT, M8X105 PLATED	1							
23	1	129150-77340	SPACER	1							
24	1	26366-080002	NUT, M8	1							
25	1	119225-77330	ADJUSTER	1							
26	1	26106-080182	BOLT, M8X 18 PLATED	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

17.GASKET SET

Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719265-92680	GASKET SET	1							1
2	2	119265-01341	GASKET, HEAD	1							
3	2	243111-000120	O-RING, 1AP12.0	5							
4	2	243111-000320	O-RING, 1AP32.0	2							
5	2	24341-000240	O-RING, 1AS24.0	1							
6	2	119660-01562	GASKET	1							
7	2	243111-000180	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	119660-32020	GASKET, PUMP	1							
16	2	129795-49551	GASKET	1							
17	2	119260-42020	GASKET, WATER PUMP	1							
18	2	124465-44950	GASKET, 16	2							
19	2	129155-61830	O-RING, S10	3							
20	2	23414-140000	GASKET, 14X1.0	3							
21	2	121520-01851	GASKET	1							
22	2	104200-59170	GASKET, 12	2							
23	2	121000-13201	GASKET, SILENCER	1							
24	2	22190-080002	WASHER, SEAL 6	4							
25	1	129400-92400	FLEX HORN	1							1
26	1	977770-01212	GASKET, LIQUID	1							1

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

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104200-55341	14	7
104200-55750	14	16
104200-59170	14	35
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114250-11120	4	16
114250-11180	4	17
114250-53130	13	9
114250-53400	13	11
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114371-77140	15	6
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114371-77170	15	11
114371-79040	15	8
114371-79050	15	9
114371-79060	15	10
114371-79070	15	17
119209-59810	13	23
119209-59820	13	24
119209-59830	13	25
119225-14200	7	17
119225-35300	9	16
119225-51100	11	3
119225-51300	11	21
119225-77330	16	25
119226-77010	15	1
119226-77650	15	12
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119230-59080	14	33
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119260-01490	2	16
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119260-01590	2	1
119260-01600	3	2

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119260-02020	1	5
119260-02410	1	13
119260-02800	1	14
119260-02930	1	17
119260-03020	4	46
119260-03031	4	47
	17	11
119260-07900	4	2
119260-11100	4	14
119260-11110	4	15
119260-11200	4	24
119260-11240	4	25
119260-11260	4	28
119260-11270	4	29
119260-11280	4	30
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119260-11330	4	44
119260-11340	4	20
	17	8
119260-11370	4	21
119260-11800	4	8
119260-13100	6	1
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
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119260-32000	9	1
119260-35081	9	25
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	17	17
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119260-59530	13	29
119260-59540	13	26
119260-59550	13	30
119265-01341	1	21
	17	2
119265-11260	4	40
119265-11700	4	5
119265-21700	8	1
119265-22300	8	22
119265-22500	8	16

Parts No.	Fig. No.	Ref. No.
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119265-22950	8	33
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119265-23200	8	28
119265-34820	9	14
119265-42002	10	1
119270-12100	5	1
119270-12110	5	2
	17	13
119280-49020	10	29
119285-66080	12	53
119288-49010	10	28
119305-35150	9	15
119454-01721	3	10
119600-11450	4	22
	17	9
119600-11460	4	23
	17	10
119600-52021	14	2
119600-61100	12	6
119600-61200	12	7
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119600-61900	12	51
119600-66020	12	62
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119620-01750	3	17
119620-01800	2	3
119620-02450	7	4
119620-11350	4	58
119620-11390	4	50
119620-21941	8	9
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119620-53120	13	8
119620-53140	13	10
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119621-21680	8	8
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119640-66051	12	63
119653-66500	12	65
119654-66700	12	76
119656-66910	12	111
119660-01551	2	21
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119660-01640	3	6
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119660-01911	2	4
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119660-61060	12	2
119660-61071	12	3
119660-61121	12	13
119660-61140	12	14
119660-61150	12	15
119660-61300	12	11
119660-61341	12	12
119660-61460	12	20
119660-61491	12	28
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119836-77700	16	2
119836-77710	16	4
119836-77721	16	5
119836-77730	16	6
119836-77741	16	7
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119836-77820	16	20	129150-59120	13	18	23871-030000	4	11	26116-050102	12	106
119836-77830	16	21	129150-59131	13	21	24101-062034	7	22	26116-060304	12	107
119836-77840	16	17	129150-77340	16	23	24102-063034	7	21	26116-120252	15	19
119836-77850	16	3	129155-51280	12	17	24311-000120	2	5	26206-100252	3	4
119836-77860	16	18	129155-61480	12	23		4	54	26216-060402	6	4
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119836-77890	16	14	129350-49800	10	22	24311-000180	3	14		6	6
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	17	23	129795-49551	10	21	24311-000320	2	12	26450-060202	9	12
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