

0CV10-M71500EN

PREFACE

1. This Parts Catalog carries all parts incorporated in YANMAR Model 4TNE84 - EKR V engine manufactured since February, 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. 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)

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

③

I

⑤

R

				(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	④	2	26022-060162	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 COMPENSATOR 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.

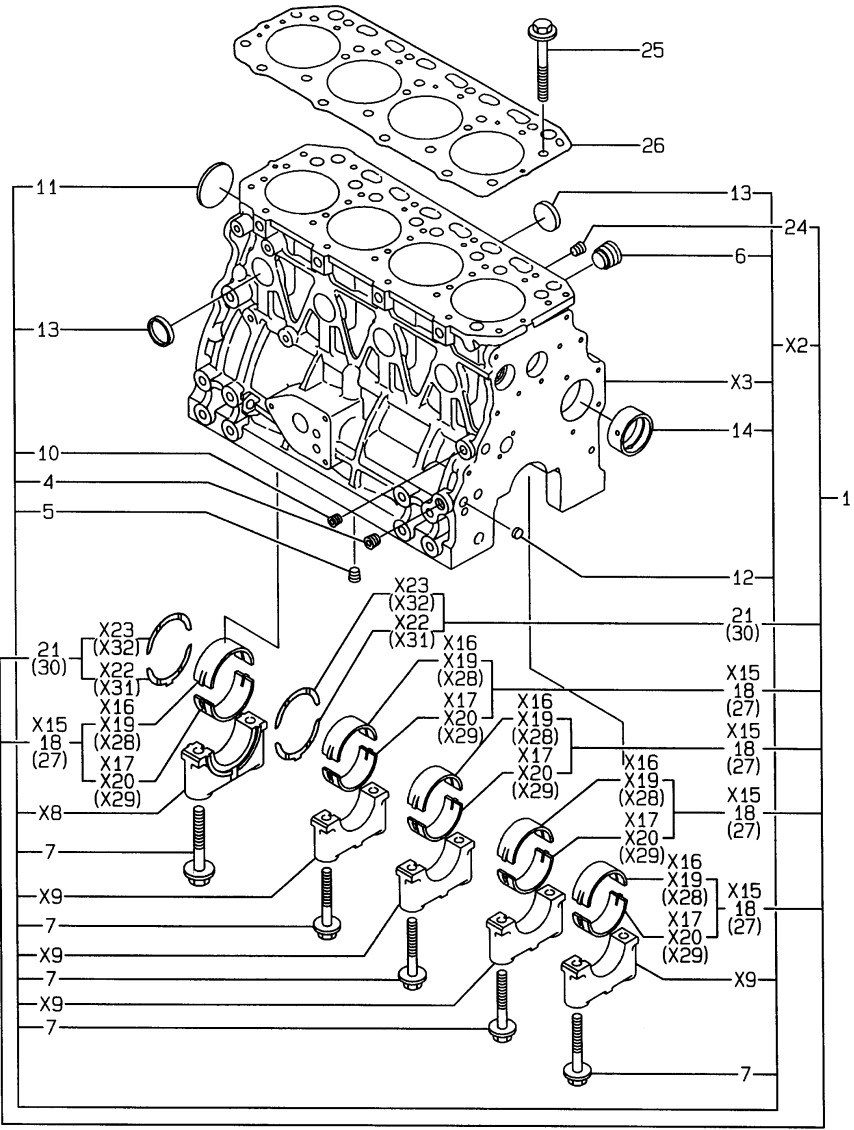
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

Contents

Fig. No.	Fig. Name	Fig. No.	Fig. Name
4TNE84-EKRV			
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	MOUNTING FLANGE & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD		
6.	EXHAUST MANIFOLD		
7.	CAMSHAFT & DRIVING GEAR		
8.	CRANKSHAFT & PISTON		
9.	LUB.OIL SYATEM		
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		

Fig.1. CYLINDER BLOCK

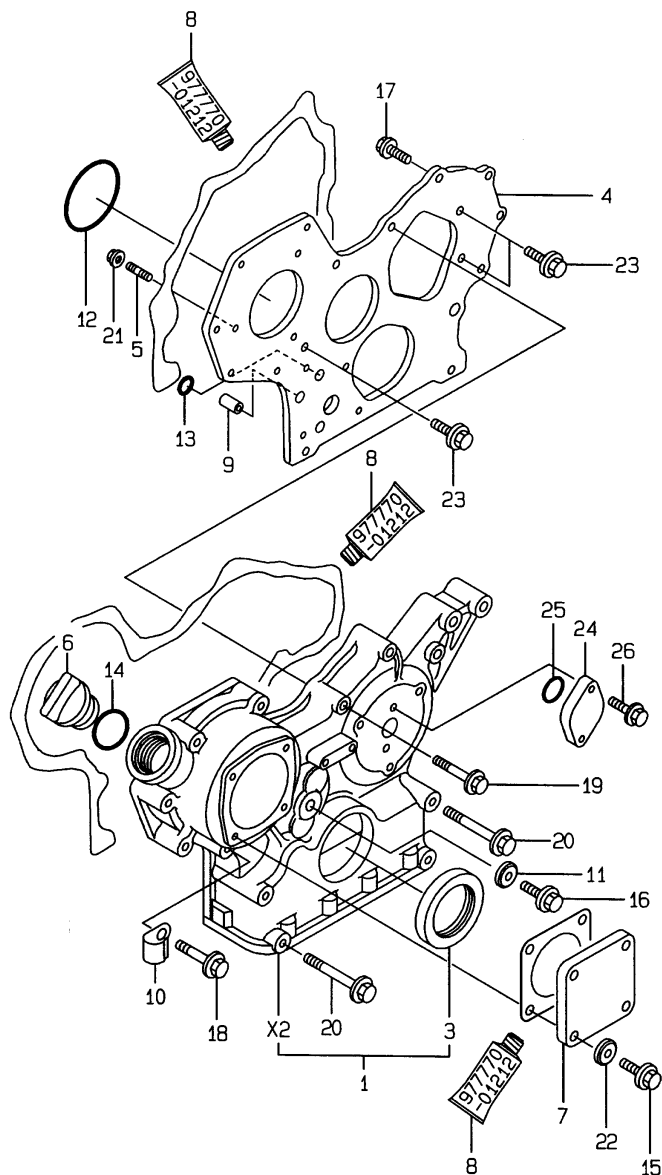
1.CYLINDER BLOCK



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729408-01560	BLOCK ASSY, CYLINDER	1							
4	3	124160-01910	PLUG, PT1/4	2							
5	3	124160-01910	PLUG, PT1/4	1							
6	3	171051-01921	PLUG, NPTF1	1							
7	3	129150-02020	BOLT, METAL CAP	10							
10	3	23876-010000	PLUG, R01	1							
11	3	129001-01250	PLUG, 50	1							
12	3	27241-120000	PLUG, 12	2							
13	3	27241-300000	PLUG 30	8							
14	3	129795-02411	BUSH, CAMSHAFT	1							
18	2	129001-02930	BEARING, MAIN	5							3
21	2	129150-02930	BEARING, THRUST	2							
24	2	23876-030000	PLUG, R03	1							
25	1	129150-01200	BOLT, HEAD	18							
26	1	129408-01330	GASKET, HEAD	1							
27	1	129150-02870	BEARING, 0.25 US	5							1
30	1	129150-02940	BEARING, THRUST 0.25	1							2

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

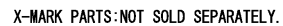
2. GEAR HOUSING



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719810-01500	CASE ASSY, GEAR	1							
3	2	129795-01800	SEAL, OIL	1							
4	1	129400-01520	FLANGE, GEAR CASE	1							
5	1	121450-01560	STUD, M8X22	3							
6	1	124160-01751	COVER, FILLER	1							
7	1	124240-01871	COVER	1							
8	1	977770-01212	GASKET, LIQUID	1							1
9	1	129795-01950	PIPE, KNOCK L=18	2							
10	1	129150-03100	RETAINER, PIPE	1							
11	1	22190-080002	WASHER, SEAL 6	1							
12	1	121850-51960	O-RING	1							
13	1	24311-000160	O-RING, 1AP16.0	2							
14	1	24311-000320	O-RING, 1AP32.0	1							
15	1	26106-080122	BOLT, M8X 12 PLATED	4							
16	1	26106-080162	BOLT, M8X 16 PLATED	1							
17	1	26106-080202	BOLT, M8X 20 PLATED	2							
18	1	26106-080452	BOLT, M8X 45 PLATED	6							
19	1	26106-080552	BOLT, M8X 55 PLATED	3							
20	1	129001-91841	BOLT, M8X85	4							
21	1	26366-080002	NUT, M8	3							
22	1	22190-080002	WASHER, SEAL 6	4							
23	1	26106-080162	BOLT, M8X 16 PLATED	3							
24	1	121023-01550	COVER	1							
25	1	24341-000240	O-RING, 1AS24.0	1							
26	1	26106-060162	BOLT, M6X 16 PLATED	2							

Remarks
(1) OPTIONAL PART.

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



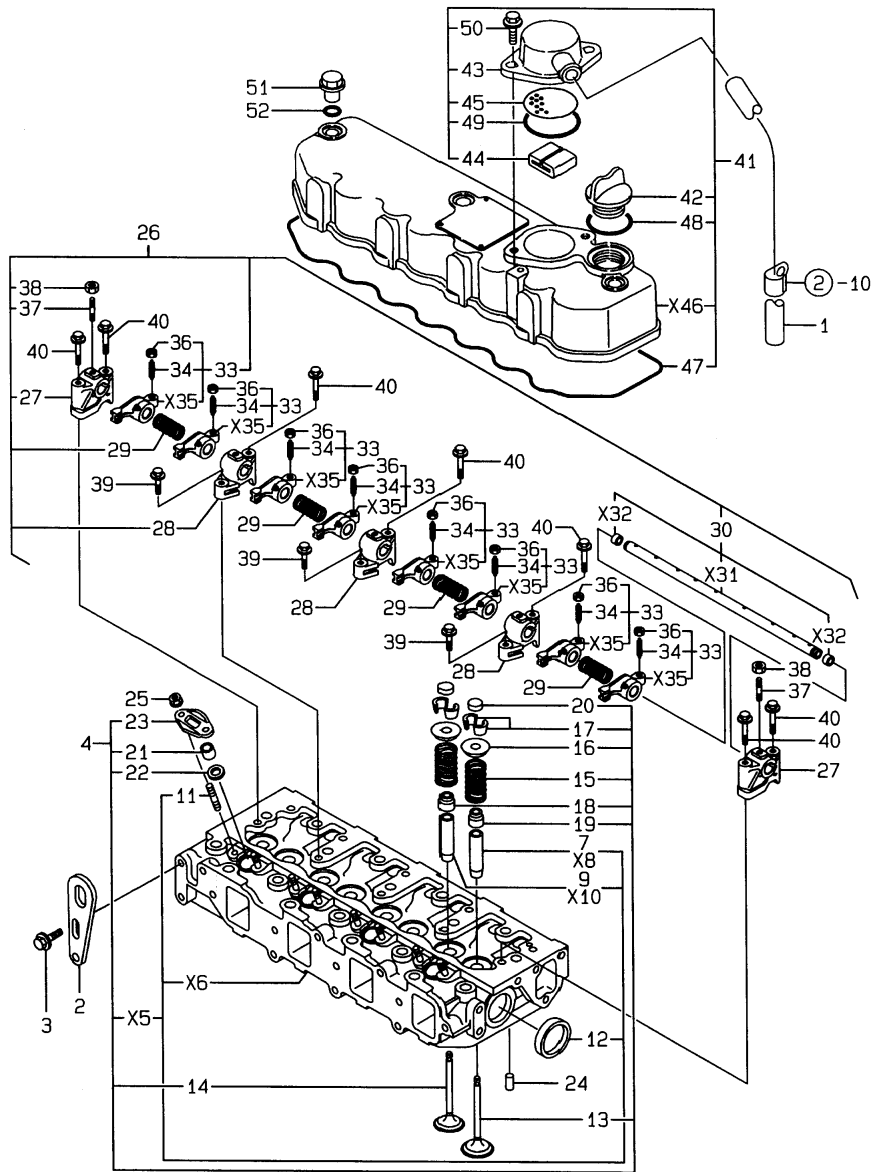
Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	(A)=4TNE84-EKRV (B)= (C)=			(D)= (E)= (F)=			I	R
				(A)	(B)	(C)	Q'ty (D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2							
2	1	129176-01601	FLANGE, MOUNTING	1							
3	1	977770-01212	GASKET, LIQUID	1							1
4	1	26206-100202	BOLT, M10X 20 PLATED	6							
5	1	26206-100252	BOLT, M10X 25 PLATED	4							
6	1	729402-01540	SUMP ASSY, OIL	1							
7	2	119640-01640	PLUG, DRAIN M22	1							
9	2	22190-220002	WASHER, SEAL 22	1							
10	1	129400-01730	SPACER, OIL SUMP	1							
11	1	26106-080162	BOLT, M8X 16 PLATED	4							
12	1	26106-080252	BOLT, M8X 25 PLATED	2							
13	1	26106-080452	BOLT, M8X 45 PLATED	24							
13-1	1	26106-080452	BOLT, M8X 45 PLATED	20							K
(A=FROM 1ST)											
14	1	129100-01580	PIN, M8X16	2							
15	1	129100-01640	CASE ASSY, OIL SEAL	1							
17	2	129795-01780	SEAL, OIL	1							
18	1	129486-01670	BOLT, M8X30	6							
19	1	26106-080352	BOLT, M8X 35 PLATED	3							
20	1	26106-080502	BOLT, M8X 50 PLATED	4							W
(A=FROM 1ST)											

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.4. CYLINDER HEAD & BONNET

4.CYLINDER HEAD & BONNET

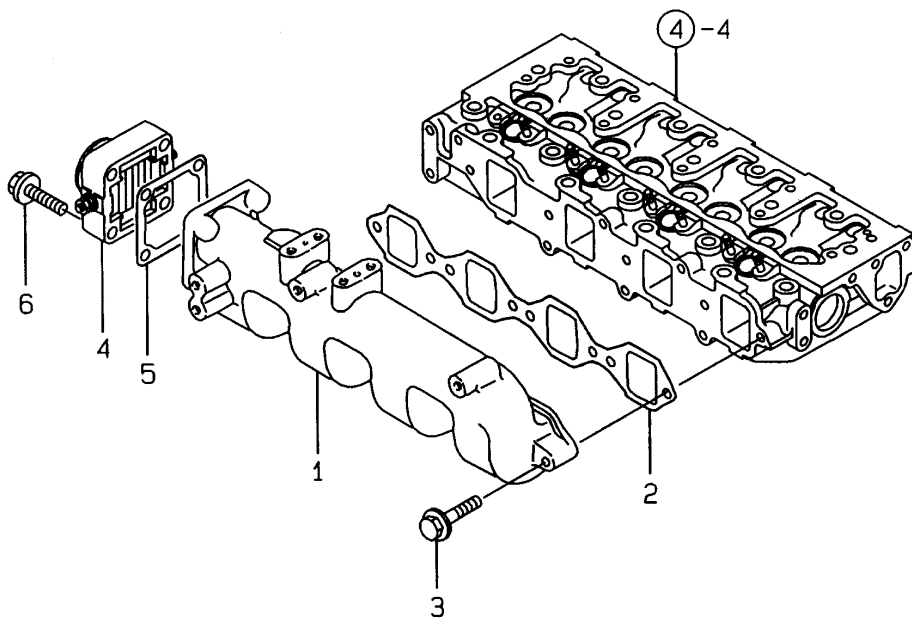


x-MARK PARTS: NOT SOLD SEPARATELY.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-03090	HOSE, ID16X2T	1							
2	1	124736-07900	LIFTER	2							
3	1	26106-080142	BOLT, M8X 14 PLATED	4							
4	1	129457-11700	HEAD ASSY, CYLINDER	1							
7	3	120130-11860	GUIDE, VALVE	4							1
9	3	129150-11810	GUIDE, VALVE	4							1
11	3	26216-060202	STUD, M6X 20	8							
12	3	27241-400000	PLUG, 40	2							
13	2	129100-11100	VALVE, INTAKE	4							
14	2	129100-11110	VALVE, EXHAUST	4							
15	2	129795-11120	SPRING, VALVE	8							
16	2	129795-11180	RETAINER, SPRING	8							
17	2	27310-080001	COTTER, 8	8							
18	2	121400-11340	SEAL, VALVE STEM	4							
19	2	124460-11340	SEAL, VALVE STEM	4							
20	2	129150-11370	CAP, VALVE	8							
21	2	119625-11870	PROTECTOR, NOZZLE	4							
22	2	119625-11880	SEAT, NOZZLE	4							
23	2	119625-11900	RETAINER, NOZZLE	4							
24	1	22351-060012	PIN, SPRING 6.0X12	2							
25	1	26366-060002	NUT, M6	8							
26	1	129500-11240	SHAFT ASSY, ROCKER	1							
27	2	129155-11260	SUPPORT, ROCKER ARM	2							
28	2	129155-11270	SUPPORT, ROCKER ARM	3							
29	2	129150-11280	SPRING	4							
30	2	129550-11290	SHAFT, ROCKER ARM	1							
33	2	129100-11650	ARM, ROCKER	8							
34	3	129150-11230	SCREW, VALVE ADJUST	8							
36	3	129150-11750	NUT, M8	8							
37	2	26226-080182	STUD, M8X 18	3							
38	2	26756-080002	NUT, LOCK M8	3							
39	1	26106-080252	BOLT, M8X 25 PLATED	3							
40	1	26106-080502	BOLT, M8X 50 PLATED	7							
41	1	129400-11350	BONNET ASSY, HEAD	1							
42	2	124160-01751	COVER, FILLER	1							
43	2	129150-03020	COVER, BREATHER	1							
44	2	129150-03070	BAFFLE, BREATHER	1							
45	2	129150-03080	PLATE, BAFFLE	1							
47	2	129550-11310	GASKET, BONNET	1							
48	2	24311-000320	O-RING, 1AP32.0	1							
49	2	24341-000500	O-RING, 1AS50.0	1							
50	2	26106-080162	BOLT, M8X 16 PLATED	2							
51	1	124160-11360	KNOB	3							
52	1	24311-000120	O-RING, 1AP12.0	3							

Remarks
(1) REPAIR PART.

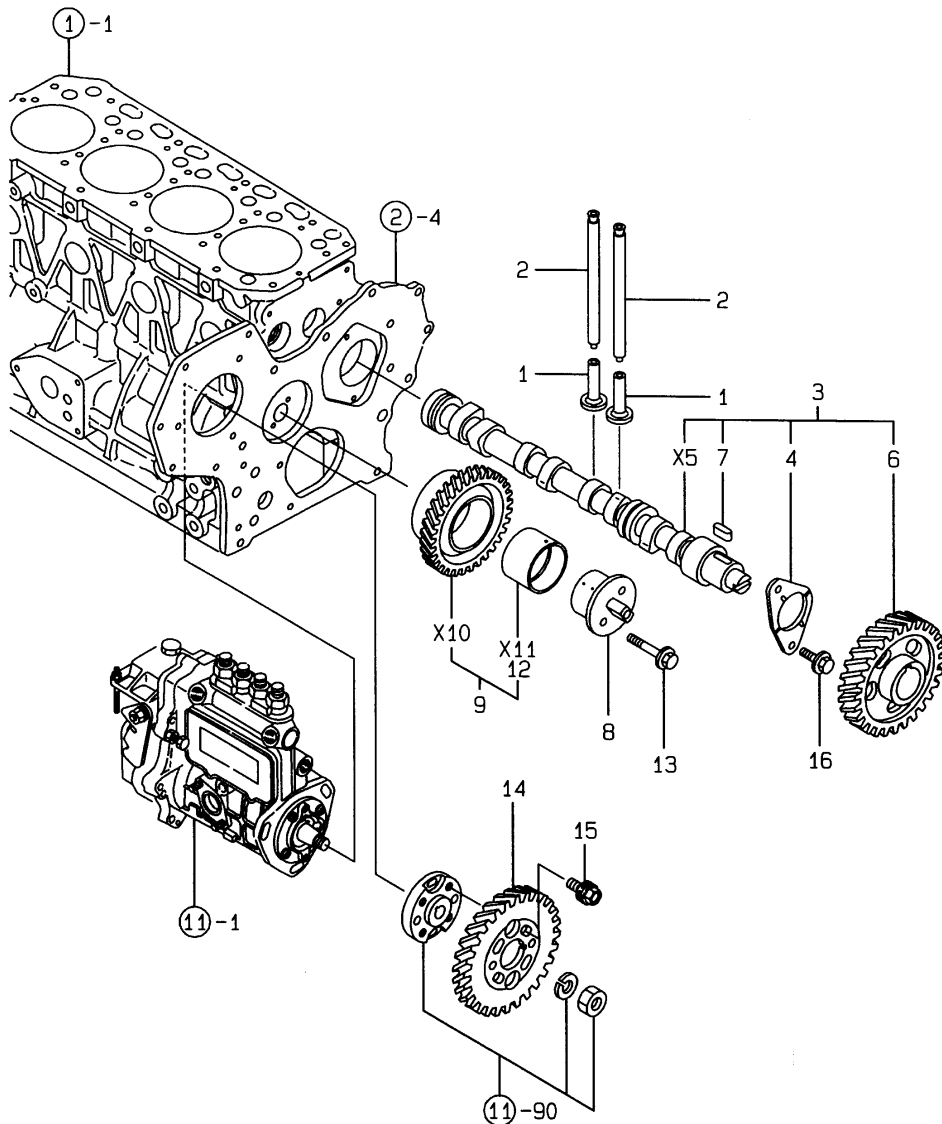
5. SUCTION MANIFOLD



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129488-12100	MANIFOLD, AIR INTAKE	1							
2	1	129550-12111	GASKET, MANIFOLD	1							
3	1	26106-080352	BOLT, M8X 35 PLATED	5							
4	1	129120-77501	HEATER	1							
5	1	129150-77511	GASKET	1							
6	1	26106-080352	BOLT, M8X 35 PLATED	4							

[illegible]

7. CAMSHAFT & DRIVING GEAR

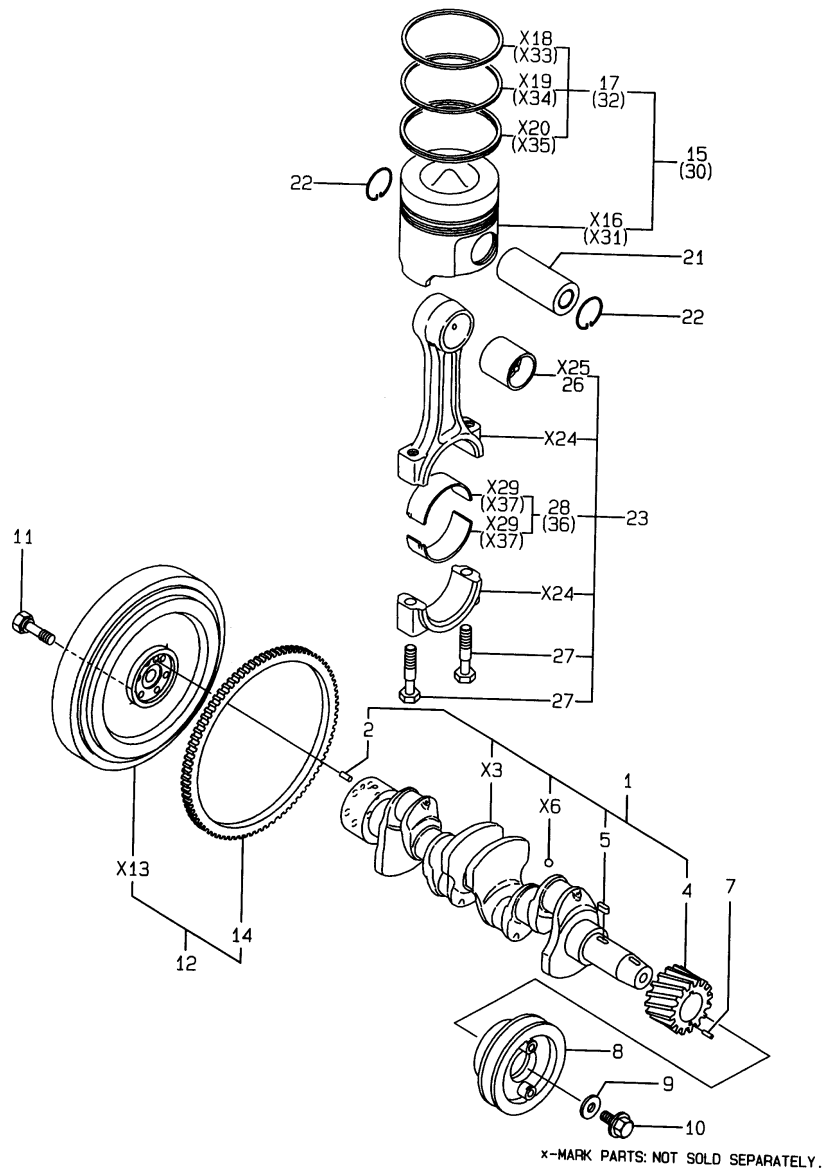


				(A)=4TNE84-EKRV					(D)=			
				(B)=					(E)=			
				(C)=					(F)=			
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty	(D)	(E)	(F)	I	R
1	1	129150-14200	TAPPET	8								
2	1	129150-14400	ROD, PUSH L=178	8								
3	1	729402-14580	CAMSHAFT ASSY	1								
4	2	129150-02450	BEARING, THRUST	1								
6	2	129150-14101	GEAR, CAMSHAFT	1								
7	2	22512-070140	KEY, 7X 14	1								
8	1	129100-25061	SHAFT, IDLE	1								
9	1	129150-25101	GEAR ASSY, IDLE	1								
12	2	129150-25920	BUSH, IDLE GEAR	1								1
13	1	26106-080452	BOLT, M8X 45 PLATED	2								
14	1	129150-25931	GEAR, PUMP	1								
15	1	129150-25301	BOLT	4								
16	1	26106-080162	BOLT, M8X 16 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

Fig.8. CRANKSHAFT & PISTON

8. CRANKSHAFT & PISTON

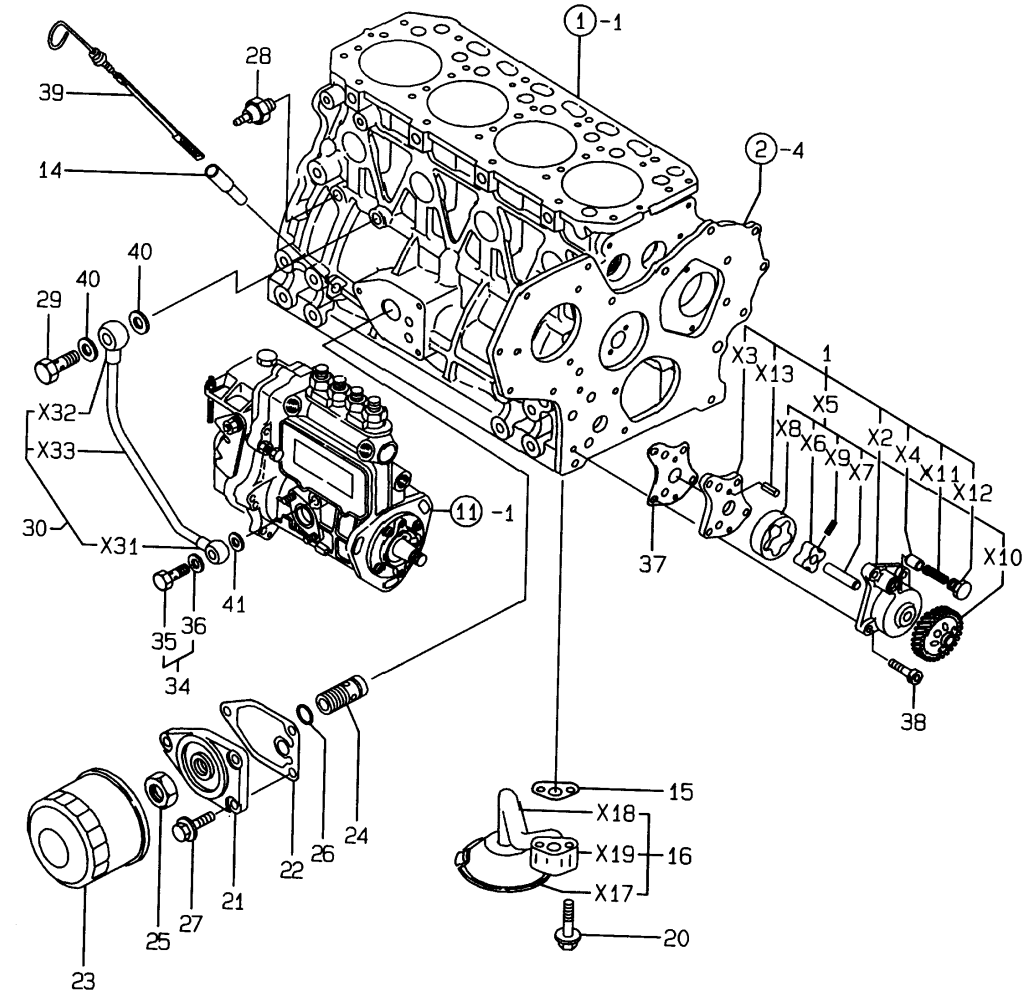


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129407-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	129150-21200	GEAR, CRANKSHAFT	1							
5	2	22512-070140	KEY, 7X 14	1							
7	1	22351-040010	PIN, SPRING 4.0X10	1							
8	1	129550-21650	V-PULLEY	1							
9	1	129795-21661	WASHER	1							
10	1	121850-21680	BOLT	1							
11	1	121111-21501	BOLT, FLYWHEEL	6							
12	1	129489-21570	FLYWHEEL ASSY	1							
14	2	124550-21600	GEAR, RING	1							
15	1	129002-22120	PISTON ASSY	4							
17	2	129002-22500	RING SET, PISTON	4							
21	1	129202-22300	PIN, PISTON D26 L70	4							
22	1	22252-000260	RING, 26	8							
23	1	729402-23100	ROD ASSY, CONNECTING	4							
26	2	129100-23910	BEARING, PISTON PIN	4							1
27	2	121550-23200	BOLT, CONNECTING ROD	8							
28	2	129150-23600	BEARING, CRANK PIN	4							
30	1	129002-22940	PISTON ASSY, 0.25 OS	4							2
32	2	129002-22960	RING SET, 0.25 OS	4							2
36	1	129150-23610	BEARING, 0.25 US	4							3

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

Fig.9. LUB.OIL SYATEM

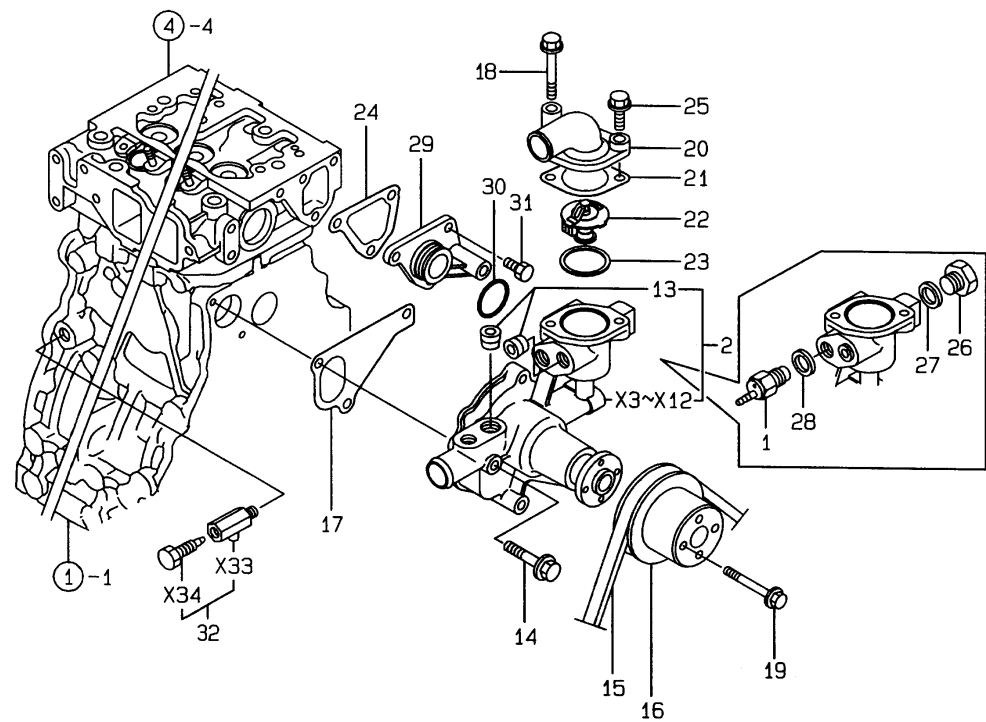
9.LUB.OIL SYSTEM



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129407-32000	PUMP ASSY, OIL	1							
14	1	121520-34810	GUIDE, DIPSTICK	1							
15	1	129150-35041	GASKET	1							
16	1	129150-35091	PIPE ASSY, OIL INLET	1							
20	1	26106-080352	BOLT, M8X 35 PLATED	2							
21	1	129150-35101	BRACKET, STRAINER	1							
22	1	129150-35111	GASKET	1							
23	1	129150-35151	FILTER, D80XL80	1							
24	1	129001-35300	BOLT, FILTER	1							
25	1	129150-35350	NUT	1							
26	1	24311-000160	O-RING, 1AP16.0	1							
27	1	26106-080202	BOLT, M8X 20 PLATED	3							
28	1	114250-39450	SWITCH, 0.5KG	1							
29	1	124160-39140	BOLT, PIPE JOINT M10	1							
30	1	129550-39450	PIPE ASSY, OIL	1							
34	1	124550-59830	BOLT ASSY, JOINT M8	1							
35	2	124550-59820	BOLT, PIPE JOINT M8	1							
36	2	22190-080002	WASHER, SEAL 6	1							
37	1	129150-32020	GASKET, PUMP	1							
38	1	26450-060252	BOLT, M6X 25	4							
39	1	171420-34800	DIPSTICK, OIL	1							
40	1	22190-100002	WASHER, SEAL 10	2							
41	1	22190-080002	WASHER, SEAL 6	1							

Fig.10. COOLING WATER SYSTEM

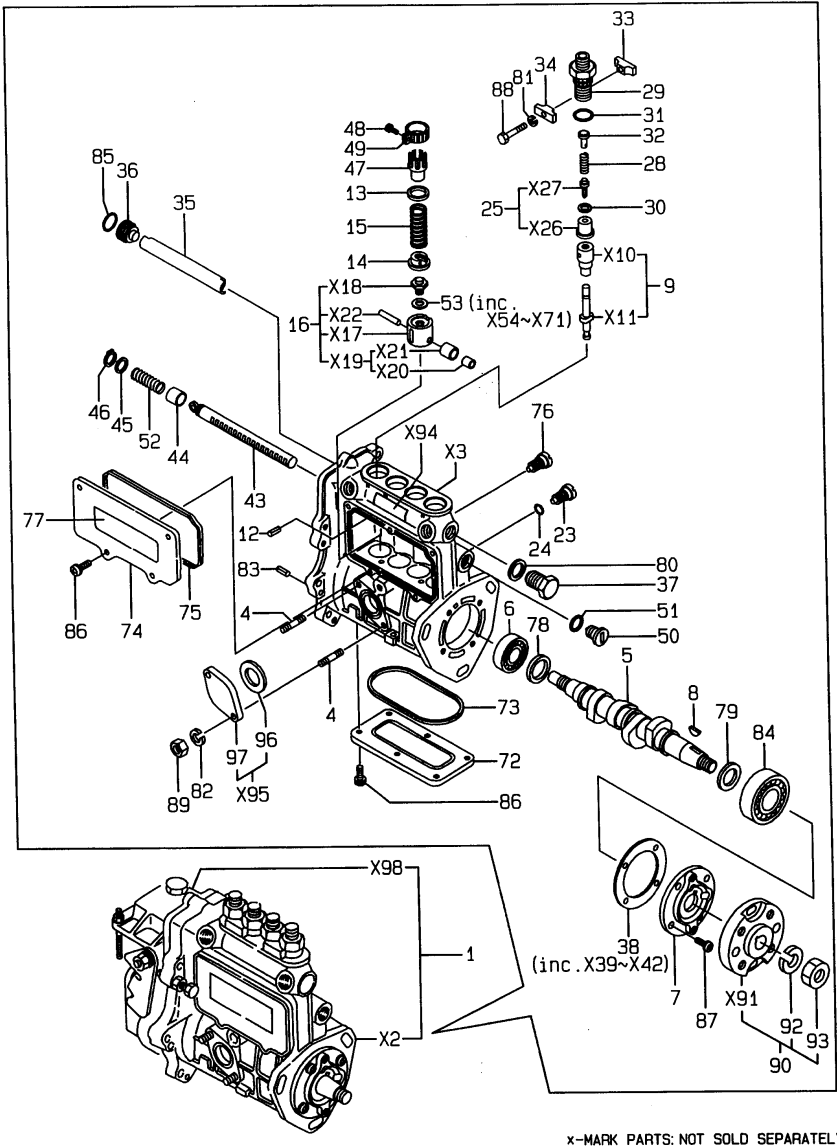
10.COOLING WATER SYSTEM



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121250-44901	SWITCH, 110	1							
2	1	129001-42003	PUMP ASSY, WATER	1							
13	2	23876-030000	PLUG, R03	2							
14	1	26106-080602	BOLT, M8X 60 PLATED	3							
15	1	25132-003800	V-BELT, A38	1							
16	1	129403-42380	V-PULLEY, D=110	1							
17	1	129486-42021	GASKET, WATER PUMP	1							
18	1	26106-080652	BOLT, M8X 65 PLATED	1							
19	1	26014-060252	BOLT, M6X 25	4							
20	1	124101-49530	COVER, THERMOSTAT	1							
21	1	129795-49551	GASKET	1							
22	1	129155-49800	THERMOSTAT, 71	1							
23	1	129150-49811	GASKET, THERMOSTAT	1							
24	1	124395-49840	GASKET	1							
25	1	26106-080252	BOLT, M8X 25 PLATED	1							
26	1	121450-42450	PLUG, M16	1							
27	1	124465-44950	GASKET, 16	1							
28	1	124465-44950	GASKET, 16	1							
29	1	129001-42040	JOINT	1							
30	1	129486-42140	O-RING, G30	1							
31	1	26106-080162	BOLT, M8X 16 PLATED	3							
32	1	119620-49290	COCK ASSY, 1/4	1							

Fig.11. FUEL INJECTION PUMP

11.FUEL INJECTION PUMP



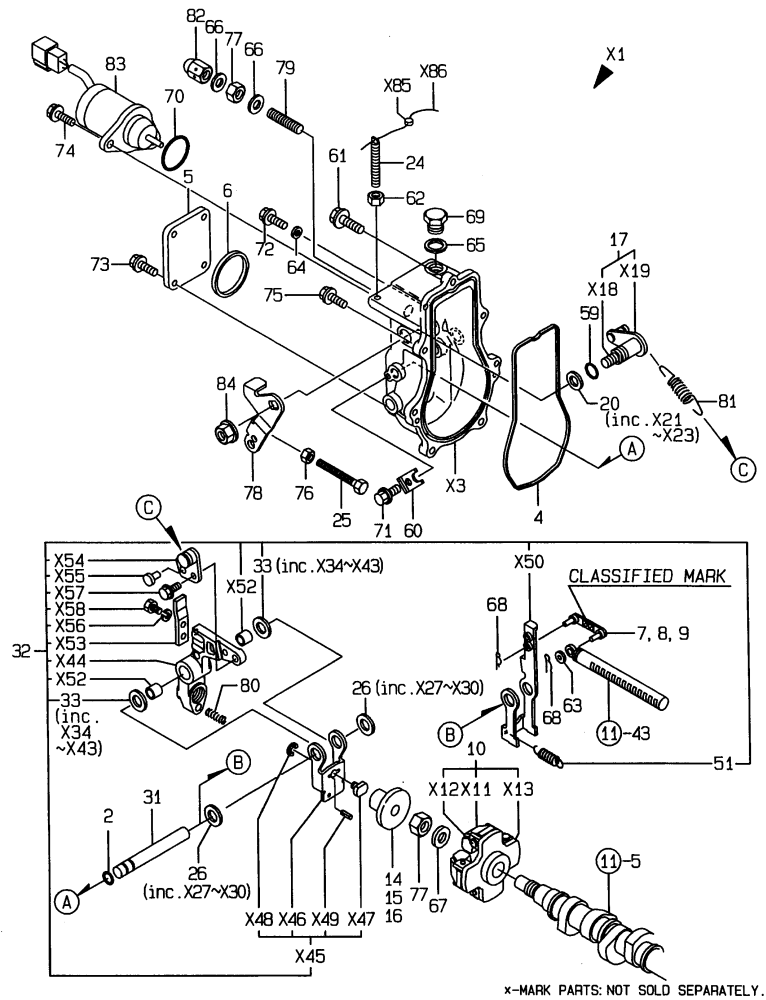
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729489-51450	PUMP ASSY, INJECTION	1							1
4	3	129155-51020	STUD	2							
5	3	129470-51040	CAMSHAFT	1							
6	3	129155-51050	BEARING, 17BM001D	1							
7	3	129208-51060	SUPPORT	1							
8	3	122710-51090	KEY	1							
9	3	129506-51100	PLUNGER ASSY	4							
12	3	129155-51140	PIN	4							
13	3	174307-51170	RETAINER, SPRING A	4							
14	3	129155-51180	RETAINER, SPRING	4							
15	3	124950-51190	SPRING, PLUNGER	4							
16	3	129155-51200	TAPPET ASSY	4							
23	3	129155-51270	STOPPER, TAPPET	4							
24	3	129155-51280	O-RING, S6	4							
25	3	129100-51300	VALVE ASSY, DELIVERY	4							
28	3	129155-51320	SPRING, DELIVERY	4							
29	3	129155-51340	RETAINER	4							
30	3	124550-51350	GASKET, DELIVERY	4							
31	3	124550-51370	O-RING	4							
32	3	129155-51370	STOPPER, VALVE	4							
33	3	129155-51380	STOPPER	2							
34	3	129155-51390	STOPPER	2							
35	3	129555-51400	DEFLECTOR	1							
36	3	129155-51410	BOLT	1							
37	3	129155-51420	PLUG, M16	1							
38	3	129155-51450	SHIM SET, ADJUSTING	1							
43	3	129555-51500	RACK, CONTROL	1							
44	3	129155-51521	BUSH, RACK	1							
45	3	129155-51530	SPACER	1							
46	3	129155-51540	CIRCLIP	1							
47	3	129155-51550	PINION, CONTROL	4							
48	3	122117-51560	SCREW	4							
49	3	174307-51560	PINION	4							
50	3	129155-51570	PLUG, M12	1							
51	3	129155-51580	O-RING	1							
52	3	129155-51591	SPRING, RACK	1							
53	3	129155-51600	SHIM SET, ADJUSTING	4							
72	3	129555-51701	COVER	1							
73	3	129555-51710	GASKET	1							
74	3	129555-51751	COVER	1							
75	3	129555-51760	GASKET	1							
76	3	129155-51790	STOOPER, RACK	1							
77	3	129156-51910	LABEL, CAUTION	1							
78	3	129155-51930	SPACER, T=3.25	1							
79	3	129155-51940	SPACER, T=1.5	1							
80	3	22190-160002	WASHER, SEAL 16	1							
81	3	22217-050000	WASHER, SPRING 5	2							
82	3	22217-060000	WASHER, SPRING 6	2							
83	3	22351-050010	PIN, SPRING 5.0X10	2							
84	3	24101-063034	BEARING, BALL 6303	1							
85	3	24341-000160	O-RING, 1AS16.0	1							

Remarks
(1) GOVERNOR ASSY(FIG.NO.12) IS
INCORPORATED IN THIS FUEL
INJECTION PUMP ASSY(REF.NO.1).

N:Old $\xrightleftharpoons[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightleftharpoons[\text{Yes}]{\text{No}}$ New, R:Old $\xrightleftharpoons[\text{Yes}]{\text{Yes}}$ New, S:Old $\xrightleftharpoons[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.12. GOVERNOR

12. GOVERNOR

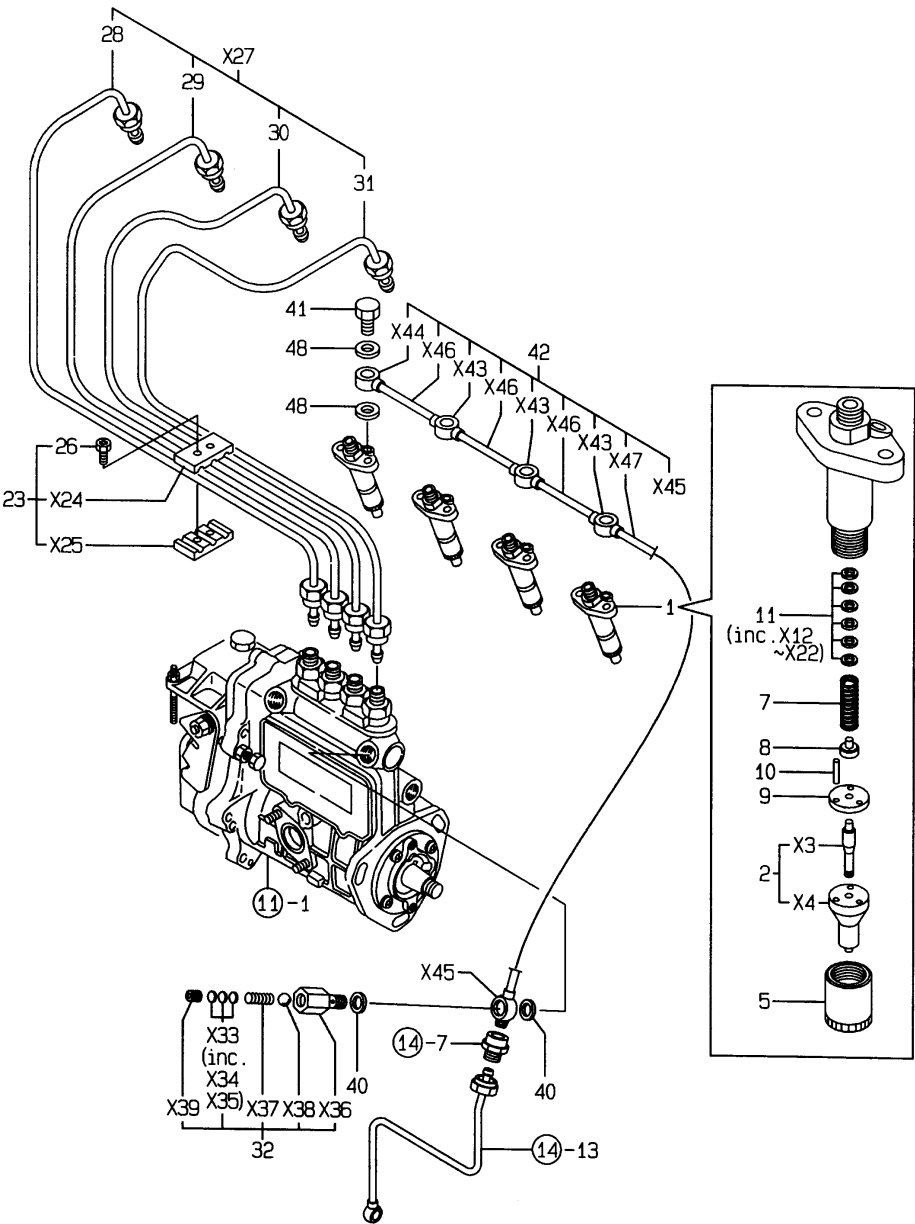


Remarks
(1) SELECTIVE PARTS: CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REFER TO ILLUSTRATION).
(2) SELECTIVE PARTS.
* THIS FIGURE(GOVERNOR ASSY)IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY(FIG.11).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	3	129155-51280	O-RING, S6	1							
4	3	129052-61050	GASKET	1							
5	3	129052-61060	COVER, GOVERNOR CASE	1							
6	3	129052-61070	GASKET	1							
7	3	129155-61120	LINK, L=30 MARK 0	1							1
8	3	129155-61130	LINK, L=31 MARK 1	1							1
9	3	129155-61140	LINK, L=30.5 MARK 05	1							1
10	3	129618-61200	WEIGHT ASSY,GOVERNOR	1							
14	3	129155-61341	SLEEVE	1							2
15	3	129155-61350	SLEEVE, L=24.9	1							2
16	3	129155-61360	SLEEVE, L=25.2	1							2
17	3	129100-61400	SHAFT ASSY	1							
20	3	129155-61430	SPACER	1							
24	3	129155-61450	BOLT, LIMITER	1							
25	3	129155-61460	BOLT, IDLE	1							
26	3	129155-61480	SPACER ASSY	2							
31	3	129052-61390	SHAFT	1							
32	3	129486-61501	LEVER ASSY, GOVERNOR	1							
33	4	174307-51700	SHIM SET	2							
51	4	129486-61540	SPRING, SET	1							
59	3	129155-61830	O-RING, S10	1							
60	3	119660-61901	RETAINER, SHAFT	1							
61	3	129155-61950	BOLT	1							
62	3	124550-66370	NUT, M6	1							
63	3	22117-040000	WASHER, 4	1							
64	3	22190-060003	SEAL WASER 6	1							
65	3	22190-100002	WASHER, SEAL 10	1							
66	3	22190-120002	WASHER, SEAL 12	2							
67	3	22287-120000	WASHER, 12	1							
68	3	22372-040000	PIN, SNAP 4	2							
69	3	23887-100002	PLUG, 10	1							
70	3	24341-000280	O-RING, 1AS28.0	1							
70-1	3	158552-61900	O-RING	1							N
(A)=EXXXXX											
71	3	26106-060102	BOLT, M6X 10 PLATED	1							
72	3	26106-060102	BOLT, M6X 10 PLATED	1							
73	3	26106-060102	BOLT, M6X 10 PLATED	4							
74	3	26106-060142	BOLT, M6X 14 PLATED	2							
75	3	26106-060202	BOLT, M6X 20 PLATED	6							
76	3	26756-060002	NUT, LOCK M6	1							
77	3	26776-120002	NUT, LOCK M12	2							
78	2	171488-61440	LEVER, CONTROL	1							
79	2	120323-61470	BOLT, CONTROL	1							
80	2	129500-61650	SPRING, FUEL CONTROL	1							
81	2	129477-61720	SPRING, GOVERNOR	1							
82	2	129100-61930	NUT, CAP	1							
83	2	119653-77950	SOLENOID, STOP	1							
84	2	26366-080002	NUT, M8	1							

Fig.13. FUEL INJECTION VALVE

13.FUEL INJECTION VALVE

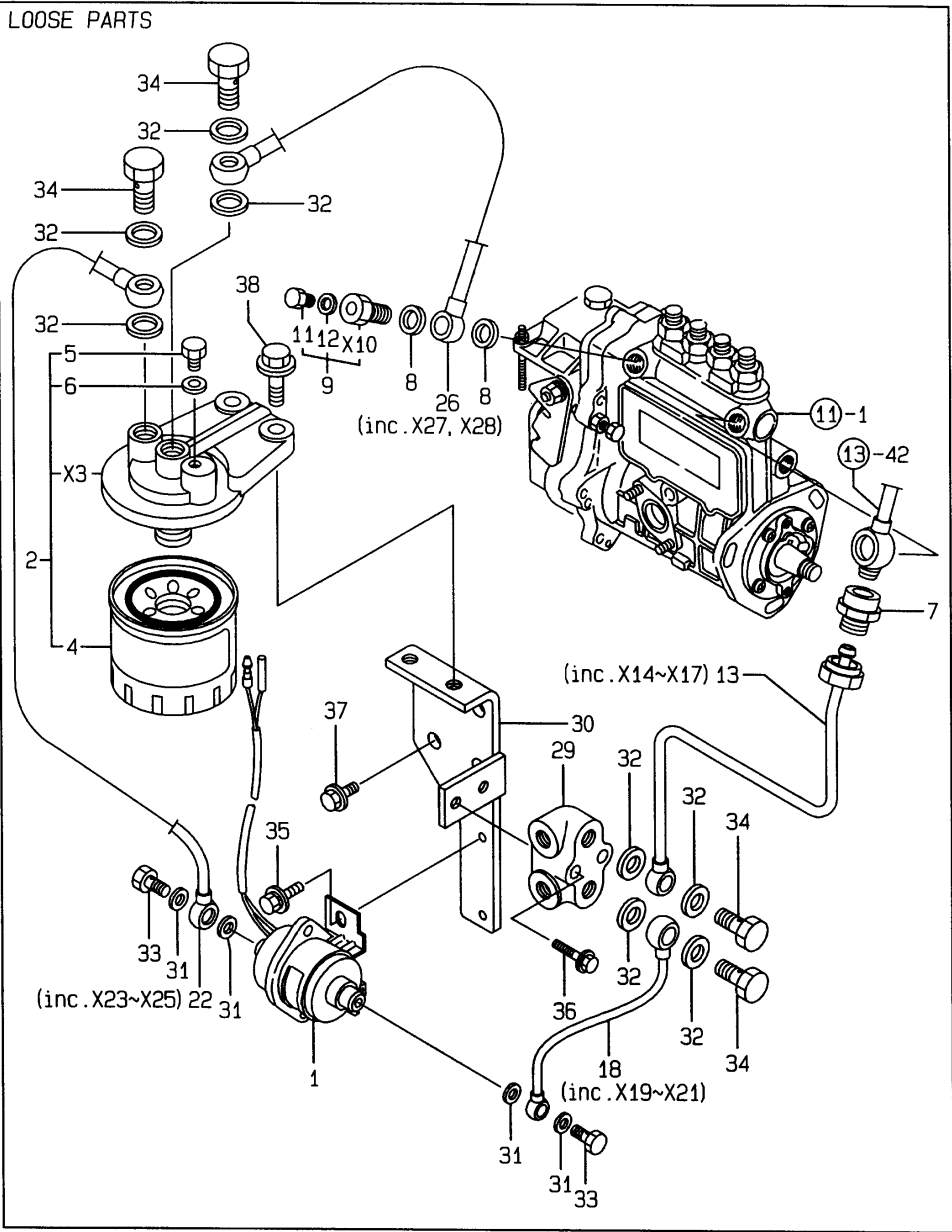


X-MARK PARTS: NOT SOLD SEPARATELY.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719810-53300	VALVE ASSY,INJECTION	4							
2	2	119810-53000	VALVE ASSY,INJECTION	4							
5	2	114250-53080	NUT, NOZZLE D16.95	4							
7	2	114250-53120	SPRING, NOZZLE	4							
8	2	114250-53130	SEAT, SPRING	4							
9	2	114250-53140	PLATE	4							
10	2	114250-53210	PIN	8							
11	2	114250-53400	SHIM SET	4							
23	1	129150-59120	RETAINER, PIPE	2							
26	2	129150-59131	BOLT, M4X14	4							
28	2	129400-59910	PIPE ASSY, INJECTION	1							
29	2	129400-59920	PIPE ASSY, INJECTION	1							
30	2	129400-59930	PIPE ASSY, INJECTION	1							
31	2	129400-59940	PIPE ASSY, INJECTION	1							
32	1	129100-59951	VALVE ASSY, CHECK	1							
40	1	22190-120002	WASHER, SEAL 12	2							
41	1	129491-59540	BOLT, PIPE JOINT M6	4							
42	1	129489-59550	PIPE ASSY, RETURN	1							
48	1	22190-060002	WASHER, SEAL 6	8							

OCV10-M71500
Fig.14. FUEL LINE

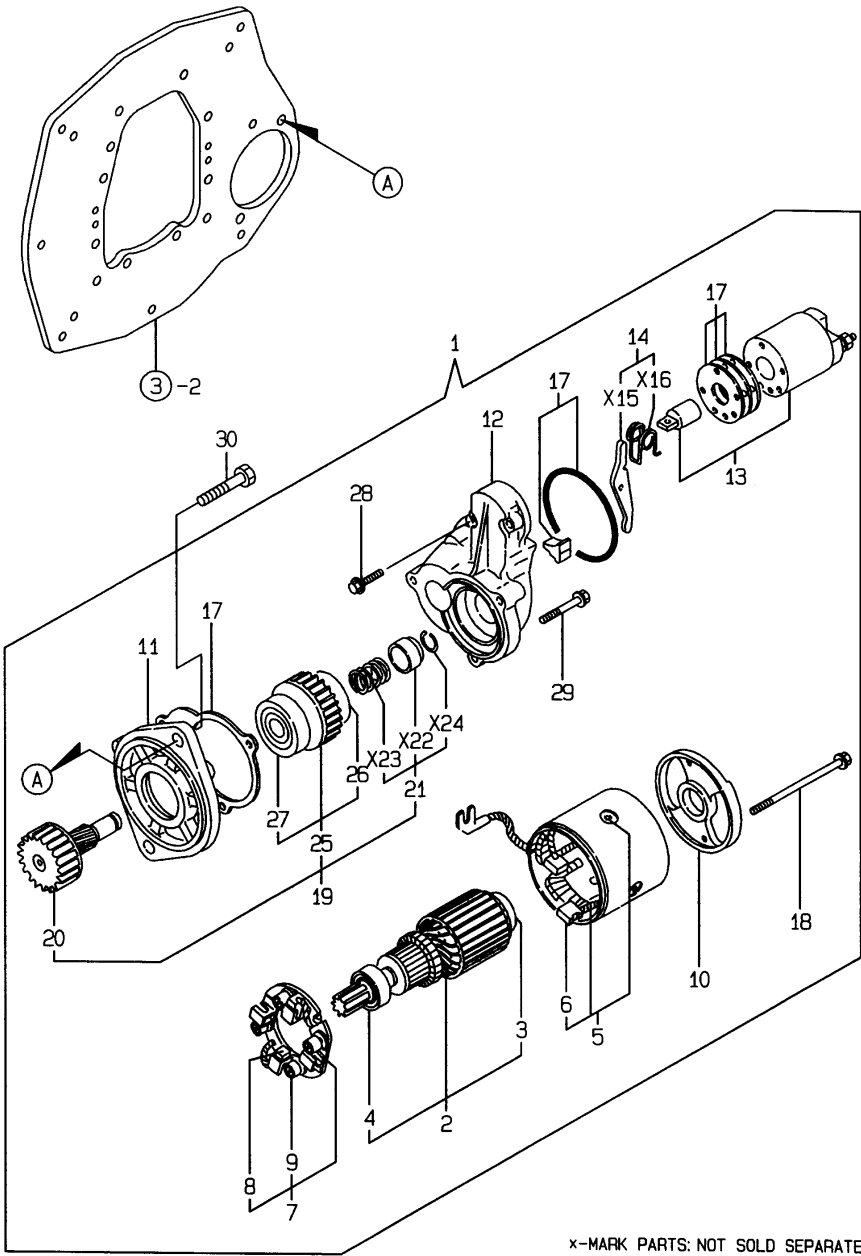
14.FUEL LINE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124790-52201	PUMP ASSY, FUEL FEED	1							
2	1	121850-55600	STRAINER ASSY, FUEL	1							
4	2	121850-55701	STRAINER, FUEL	1							
5	2	124060-59380	PLUG, 6	1							
6	2	22190-060002	WASHER, SEAL 6	1							
7	1	171463-59100	UNION	1							
8	1	104200-59170	GASKET, 12	2							
9	1	103854-59191	BOLT ASSY, JOINT M12	1							
11	2	124060-59380	PLUG, 6	1							
12	2	22190-060002	WASHER, SEAL 6	1							
13	1	129489-59500	PIPE ASSY, RETURN	1							
18	1	171463-59510	PIPE ASSY, FUEL	1							
22	1	171463-59520	PIPE ASSY, FUEL	1							
26	1	129489-59530	PIPE ASSY	1							
29	1	171463-59600	BLOCK	1							
30	1	171463-59951	SUPPORT	1							
31	1	23414-080012	GASKET, 8X1.0	4							
32	1	23414-120000	GASKET, 12X1.0	8							
33	1	23857-030000	BOLT, JOINT 3	2							
34	1	23857-060000	BOLT, JOINT 6	4							
35	1	26014-060142	BOLT, M6X 14	2							
36	1	26106-080402	BOLT, M8X 40 PLATED	2							
37	1	26106-100162	BOLT, M10X 16 PLATED	3							
38	1	26106-100202	BOLT, M10X 20 PLATED	2							

Fig.15. STARTING MOTOR

15.STARTING MOTOR

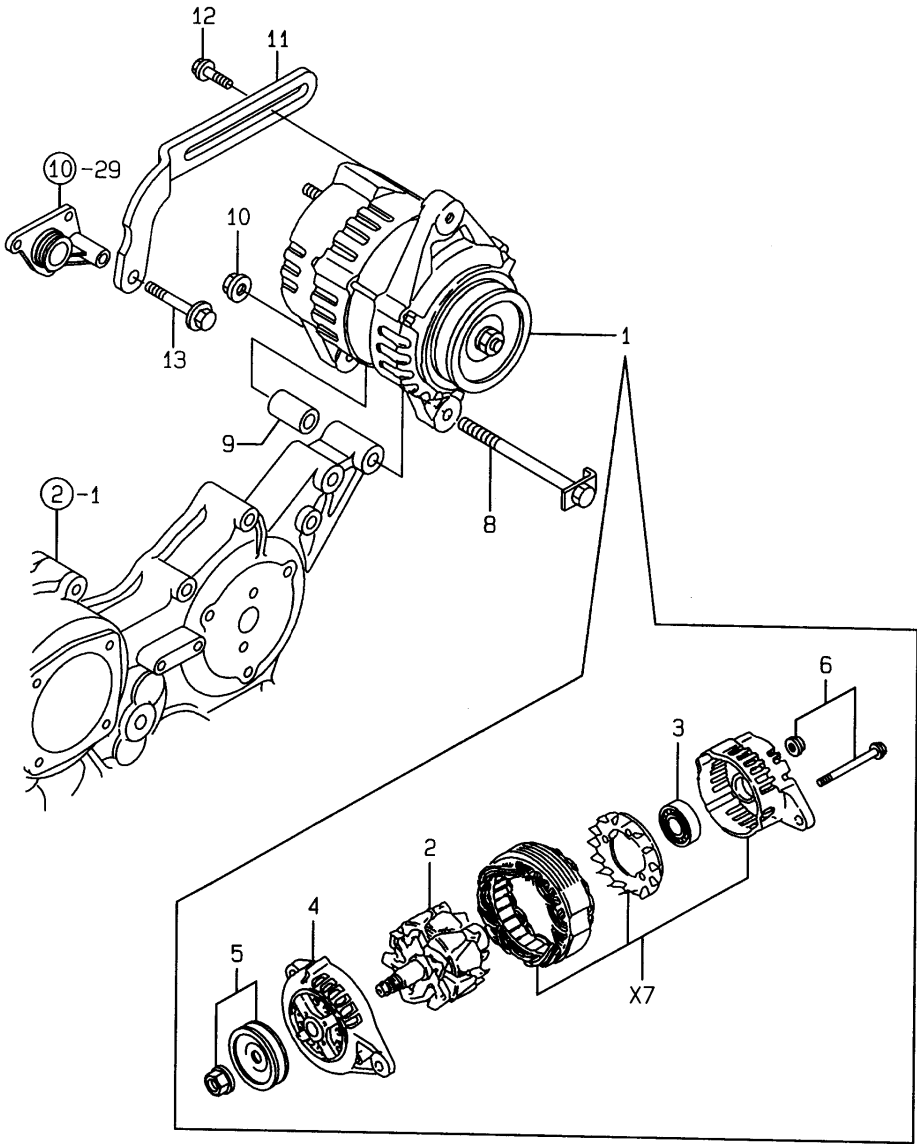


x-MARK PARTS: NOT SOLD SEPARATELY.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129400-77012	STARTER	1							
2	2	129486-77400	ARMATURE	1							
3	3	171008-77410	BEARING	1							
4	3	171008-77420	BEARING	1							
5	2	129400-77441	COIL ASSY, FIELD	1							
6	3	129486-77460	BRUSH	2							
7	2	129486-77470	HOLDER ASSY, BRUSH	1							
8	3	129486-77460	BRUSH	2							
9	3	129486-77490	SPRING	4							
10	2	129900-77460	COVER	1							
11	2	171008-77510	CASE, GEAR	1							
12	2	129400-77520	HOUSING	1							
13	2	129400-77531	SWITCH ASSY	1							
14	2	171008-77540	LEVER SET	1							
17	2	129400-77571	COVER ASSY, DUST	1							
18	2	129900-77640	BOLT, THROUGH	2							
19	2	171008-77650	PINION ASSY	1							
20	3	171008-77660	SHAFT	1							
21	3	171008-77670	STOPPER SET	1							
25	3	X2114555500	CLUTCH ASSY	1							
26	4	X2114955020	BEARING, BALL	1							
27	4	X2240410100	BEARING, BALL	1							
28	2	26106-060322	BOLT, M6X 32 PLATED	2							
29	2	26106-060402	BOLT, M6X 40 PLATED	3							
30	1	26116-120252	BOLT, M12X 25 PLATED	2							

Fig.16. GENERATOR

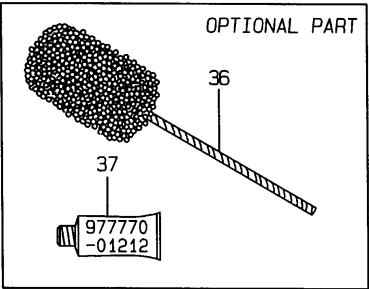
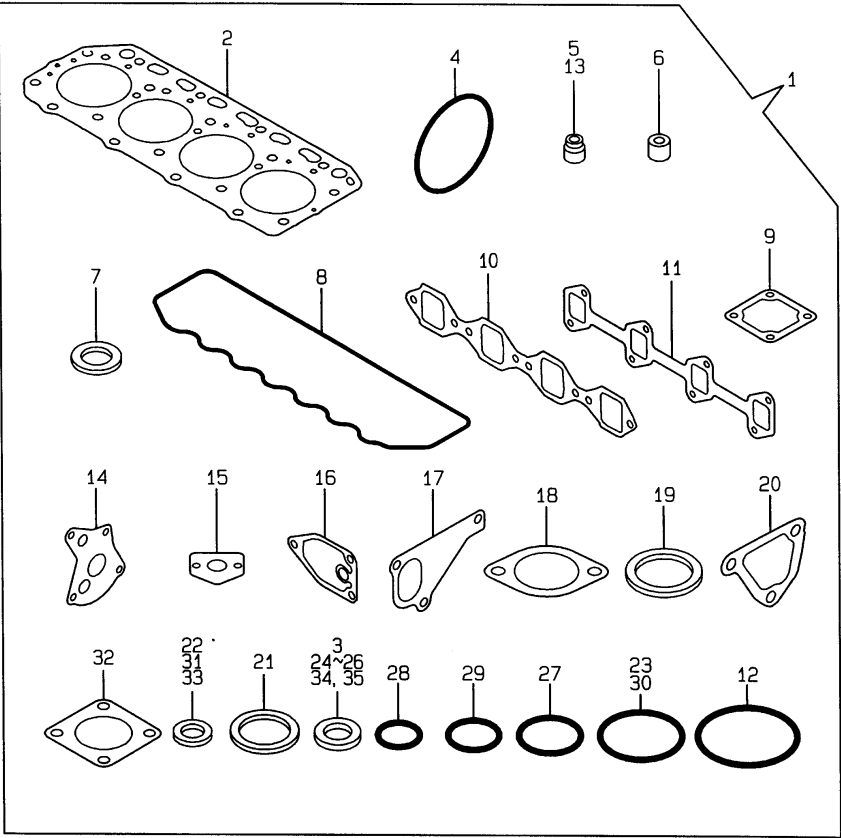
16.GENERATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119836-77201	GENERATOR	1							
2	2	129612-77700	ROTOR ASSY	1							
3	2	129612-77710	BEARING, BALL	1							
4	2	129612-77730	BRACKET ASSY, FILTER	1							
5	2	129612-77740	PULLEY	1							
6	2	129612-77750	SCREW KIT	1							
8	1	129136-77251	BOLT, M8X110	1							
9	1	129612-77260	NUT, ALTERNATOR	1							
10	1	119820-77340	PIECE, DISTANCE	1							
11	1	129100-77320	ADJUSTER	1							
12	1	119810-77340	BOLT, ADJUSTER	1							
13	1	26106-080502	BOLT, M8X 50 PLATED	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	729408-92780	GASKET SET	1							1
2	2	129408-01330	GASKET, HEAD	1							
3	2	104200-59170	GASKET, 12	2							
4	2	121850-51960	O-RING	1							
5	2	124460-11340	SEAL, VALVE STEM	4							
6	2	119625-11870	PROTECTOR, NOZZLE	4							
7	2	119625-11880	SEAT, NOZZLE	4							
8	2	129550-11310	GASKET, BONNET	1							
9	2	129150-77511	GASKET	1							
10	2	129550-12111	GASKET, MANIFOLD	1							
11	2	129550-13110	GASKET	1							
12	2	24341-000500	O-RING, 1AS50.0	1							
13	2	121400-11340	SEAL, VALVE STEM	4							
14	2	129150-32020	GASKET, PUMP	1							
15	2	129150-35041	GASKET	1							
16	2	129150-35111	GASKET	1							
17	2	129486-42021	GASKET, WATER PUMP	1							
18	2	129795-49551	GASKET	1							
19	2	129150-49811	GASKET, THERMOSTAT	1							
20	2	124395-49840	GASKET	1							
21	2	22190-220002	WASHER, SEAL 22	1							
22	2	22190-080002	WASHER, SEAL 6	5							
23	2	129486-42140	O-RING, G30	1							
24	2	23414-120000	GASKET, 12X1.0	8							
25	2	22190-100002	WASHER, SEAL 10	2							
26	2	124465-44950	GASKET, 16	2							
27	2	24311-000240	O-RING, 1AP24.0	1							
28	2	24311-000120	O-RING, 1AP12.0	3							
29	2	24311-000160	O-RING, 1AP16.0	3							
30	2	24311-000320	O-RING, 1AP32.0	2							
31	2	23414-080012	GASKET, 8X1.0	4							
32	2	129400-13201	GASKET, SILENCER	1							
33	2	22190-080003	WASHER, SEAL 8	2							
34	2	129155-52050	GASKET	1							
35	2	22190-120002	WASHER, SEAL 12	2							
36	1	129400-92420	HONE	1							1
37	1	977770-01212	GASKET, LIQUID	1							1

Remarks
(1) OPTIONAL PART.

Parts No. Index

Parts No.	Fig. No.	Ref. No.
103854-59191	14	9
104200-59170	14	8
	17	3
114250-39450	9	28
114250-53080	13	5
114250-53120	13	7
114250-53130	13	8
114250-53140	13	9
114250-53210	13	10
114250-53400	13	11
119131-18320	6	5
119620-49290	10	32
119625-11870	4	21
	17	6
119625-11880	4	22
	17	7
119625-11900	4	23
119640-01640	3	7
119653-77950	12	83
119660-61901	12	60
119810-53000	13	2
119810-77340	16	12
119820-77340	16	10
119836-77201	16	1
120130-11860	4	7
120323-61470	12	79
121023-01550	2	24
121111-21501	8	11
121250-44901	10	1
121400-11340	4	18
	17	13
121450-01560	2	5
121450-42450	10	26
121520-34810	9	14
121550-23200	8	27
121850-21680	8	10
121850-51960	2	12
	17	4
121850-55600	14	2
121850-55701	14	4
122117-51560	11	48
122710-51090	11	8
124060-59380	14	5
		11
124101-49530	10	20
124160-01751	2	6
	4	42
124160-01910	1	4
		5
124160-11360	4	51

Parts No.	Fig. No.	Ref. No.
124160-39140	9	29
124240-01871	2	7
124395-49840	10	24
	17	20
124460-11340	4	19
	17	5
124465-44950	10	27
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	17	26
124550-21600	8	14
124550-51350	11	30
124550-51370	11	31
124550-59820	9	35
124550-59830	9	34
124550-66370	12	62
124736-07900	4	2
124790-52201	14	1
124950-51190	11	15
129001-01250	1	11
129001-02930	1	18
129001-35300	9	24
129001-42003	10	2
129001-42040	10	29
129001-91841	2	20
129002-22120	8	15
129002-22500	8	17
129002-22940	8	30
129002-22960	8	32
129052-61050	12	4
129052-61060	12	5
129052-61070	12	6
129052-61390	12	31
129100-01580	3	1
		14
	8	2
129100-01640	3	15
129100-11100	4	13
129100-11110	4	14
129100-11650	4	33
129100-23910	8	26
129100-25061	7	8
129100-51300	11	25
129100-52200	11	97
129100-59951	13	32
129100-61400	12	17
129100-61930	12	82
129100-77320	16	11
129120-77501	5	4
129136-77251	16	8
129150-01200	1	25

Parts No.	Fig. No.	Ref. No.
129150-02020	1	7
129150-02450	7	4
129150-02870	1	27
129150-02930	1	21
129150-02940	1	30
129150-03020	4	43
129150-03070	4	44
129150-03080	4	45
129150-03090	4	1
129150-03100	2	10
129150-11230	4	34
129150-11280	4	29
129150-11370	4	20
129150-11750	4	36
129150-11810	4	9
129150-14101	7	6
129150-14200	7	1
129150-14400	7	2
129150-21200	8	4
129150-23600	8	28
129150-23610	8	36
129150-25101	7	9
129150-25301	7	15
129150-25920	7	12
129150-25931	7	14
129150-32020	9	37
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129150-35041	9	15
	17	15
129150-35091	9	16
129150-35101	9	21
129150-35111	9	22
	17	16
129150-35151	9	23
129150-35350	9	25
129150-49811	10	23
	17	19
129150-59120	13	23
129150-59131	13	26
129150-77511	5	5
	17	9
129155-11260	4	27
129155-11270	4	28
129155-49800	10	22
129155-51020	11	4
129155-51050	11	6
129155-51140	11	12
129155-51180	11	14
129155-51200	11	16
129155-51270	11	23

Parts No.	Fig. No.	Ref. No.
129155-51280	11	24
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129155-51320	11	28
129155-51340	11	29
129155-51370	11	32
129155-51380	11	33
129155-51390	11	34
129155-51410	11	36
129155-51420	11	37
129155-51450	11	38
129155-51521	11	44
129155-51530	11	45
129155-51540	11	46
129155-51550	11	47
129155-51570	11	50
129155-51580	11	51
129155-51591	11	52
129155-51600	11	53
129155-51790	11	76
129155-51930	11	78
129155-51940	11	79
129155-52050	11	96
	17	34
129155-61120	12	7
129155-61130	12	8
129155-61140	12	9
129155-61341	12	14
129155-61350	12	15
129155-61360	12	16
129155-61430	12	20
129155-61450	12	24
129155-61460	12	25
129155-61480	12	26
129155-61830	12	59
129155-61950	12	61
129156-51910	11	77
129176-01601	3	2
129202-22300	8	21
129208-51060	11	7
129208-54500	11	90
129400-01520	2	4
129400-01730	3	10
129400-11350	4	41
129400-13101	6	1
129400-13201	6	7
	17	32
129400-59910	13	28
129400-59920	13	29
129400-59930	13	30
129400-59940	13	31

Parts No. Index

Parts No.	Fig. No.	Ref. No.
129400-77012	15	1
129400-77441	15	5
129400-77520	15	12
129400-77531	15	13
129400-77571	15	17
129400-92420	17	36
129403-42380	10	16
129407-21000	8	1
129407-32000	9	1
129408-01330	1	26
	17	2
129457-11700	4	4
129470-51040	11	5
129477-61720	12	81
129486-01670	3	18
129486-42021	10	17
	17	17
129486-42140	10	30
	17	23
129486-61501	12	32
129486-61540	12	51
129486-77400	15	2
129486-77460	15	6
		8
129486-77470	15	7
129486-77490	15	9
129488-12100	5	1
129489-21570	8	12
129489-59500	14	13
129489-59530	14	26
129489-59550	13	42
129491-59540	13	41
129500-11240	4	26
129500-61650	12	80
129506-51100	11	9
129550-11290	4	30
129550-11310	4	47
	17	8
129550-12111	5	2
	17	10
129550-13110	6	2
	17	11
129550-21650	8	8
129550-39450	9	30
129555-51400	11	35
129555-51500	11	43
129555-51701	11	72
129555-51710	11	73
129555-51751	11	74
129555-51760	11	75

Parts No.	Fig. No.	Ref. No.
129612-77260	16	9
129612-77700	16	2
129612-77710	16	3
129612-77730	16	4
129612-77740	16	5
129612-77750	16	6
129618-61200	12	10
129795-01780	3	17
129795-01800	2	3
129795-01950	2	9
129795-02411	1	14
129795-11120	4	15
129795-11180	4	16
129795-21661	8	9
129795-49551	10	21
	17	18
129900-77460	15	10
129900-77640	15	18
158552-61900	12	70 -1
171008-77410	15	3
171008-77420	15	4
171008-77510	15	11
171008-77540	15	14
171008-77650	15	19
171008-77660	15	20
171008-77670	15	21
171051-01921	1	6
171420-34800	9	39
171463-59100	14	7
171463-59510	14	18
171463-59520	14	22
171463-59600	14	29
171463-59951	14	30
171488-61440	12	78
174307-51170	11	13
174307-51560	11	49
174307-51700	12	33
22117-040000	12	63
22190-060002	13	48
	14	6
		12
22190-060003	12	64
22190-080002	2	11
		22
	9	36
		41
	17	22
22190-080003	17	33
22190-100002	9	40
	12	65

Parts No.	Fig. No.	Ref. No.
22190-100002	17	25
22190-120002	12	66
	13	40
	17	35
22190-160002	11	80
22190-220002	3	9
	17	21
22217-050000	11	81
22217-060000	11	82
22217-120000	11	92
22252-000260	8	22
22287-120000	12	67
22351-040010	8	7
22351-050010	11	83
22351-060012	4	24
22372-040000	12	68
22512-070140	7	7
	8	5
23414-080012	14	31
	17	31
23414-120000	14	32
	17	24
23857-030000	14	33
23857-060000	14	34
23876-010000	1	10
23876-030000	1	24
	10	13
23887-100002	12	69
24101-063034	11	84
24311-000120	4	52
	17	28
24311-000160	2	13
	9	26
	17	29
24311-000240	17	27
24311-000320	2	14
	4	48
	17	30
24341-000160	11	85
24341-000240	2	25
24341-000280	12	70
24341-000500	4	49
	17	12
25132-003800	10	15
26014-060142	14	35
26014-060252	10	19
26022-050122	11	86
26022-060162	11	87
26106-060102	12	71
		72

Parts No.	Fig. No.	Ref. No.
26106-060102	12	73
26106-060142	12	74
26106-060162	2	26
26106-060202	12	75
26106-060322	15	28
26106-060402	15	29
26106-080122	2	15
26106-080142	4	3
26106-080162	2	16
		23
	3	11
	4	50
	7	16
	10	31
26106-080202	2	17
	9	27
26106-080252	3	12
	4	39
	10	25
26106-080352	3	19
	5	3
		6
	9	20
26106-080402	14	36
26106-080452	2	18
	3	13
		13 -1
	7	13
26106-080502	3	20
	4	40
	16	13
26106-080552	2	19
26106-080602	10	14
26106-080652	10	18
26106-080802	6	4
26106-100162	14	37
26106-100202	14	38
26116-050302	11	88
26116-120252	15	30
26206-100202	3	4
26206-100252	3	5
26216-060202	4	11
26216-080802	6	6
26226-080182	4	37
26366-060002	4	25
26366-080002	2	21
	6	3
	12	84
26450-060252	9	38
26716-060002	11	89

Parts No. Index

Parts No.	Fig. No.	Ref. No.
26716-120002	11	93
26756-060002	12	76
26756-080002	4	38
26776-120002	12	77
27241-120000	1	12
27241-300000	1	13
27241-400000	4	12
27310-080001	4	17
719810-01500	2	1
719810-53300	13	1
729402-01540	3	6
729402-14580	7	3
729402-23100	8	23
729408-01560	1	1
729408-92780	17	1
729489-51450	11	1
977770-01212	2	8
	3	3
	17	37
X2114555500	15	25
X2114955020	15	26
X2240410100	15	27

Parts No.	Fig. No.	Ref. No.
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Parts No.	Fig. No.	Ref. No.
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Parts No.	Fig. No.	Ref. No.
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