

0CV10-M79100EN

PREFACE

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNE88 - EYC engine manufactured since October, 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

(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 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

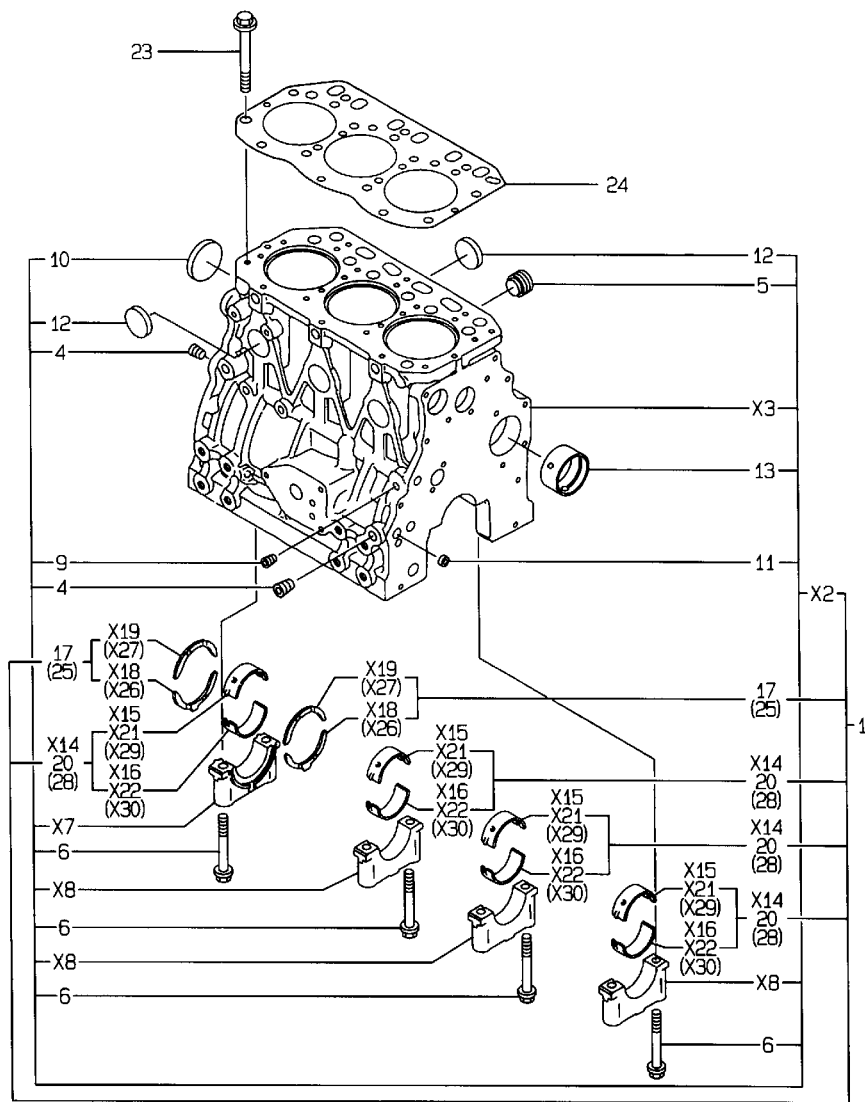
Figures or alphabets (symbols) are entered in the remarks column.

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
3TNE88-EYC			
1.	CYLINDER BLOCK		
2.	GEAR HOUSING		
3.	FLYWHEEL HOUSING & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD & AIR CLEANER		
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) OVER-SIZE(O.S=0.25)PART.
(2) UNDER-SIZE(U.S=0.25)PART.
(3) REPAIR PART.

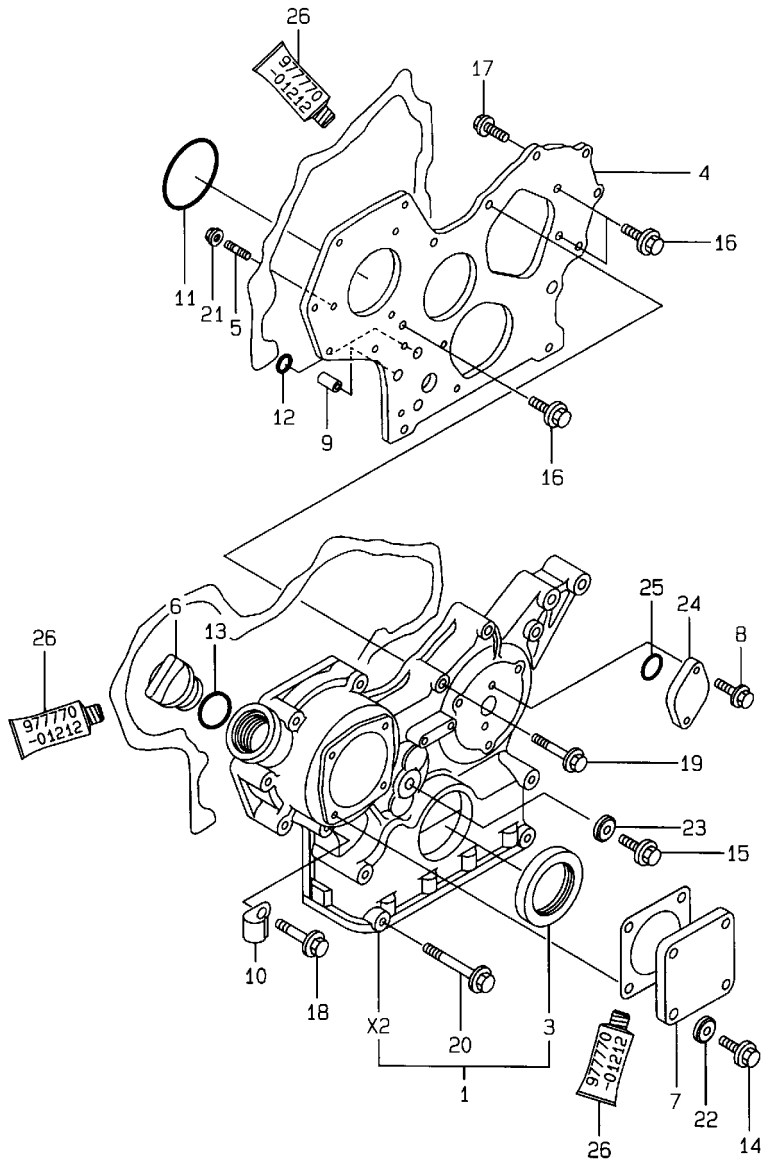
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729001-01560	BLOCK ASSY, CYLINDER	1							
4	3	124160-01910	PLUG, PT1/4	3							
5	3	171051-01921	PLUG, NPTF1	1							
6	3	129150-02020	BOLT, METAL CAP	8							
9	3	23876-010000	PLUG, R01	1							
10	3	129001-01250	PLUG, 50	1							
11	3	27241-120000	PLUG, 12	2							
12	3	27241-300000	PLUG 30	6							
13	3	129795-02411	BUSH, CAMSHAFT	1							
17	2	129150-02930	BEARING, THRUST	2							
20	2	129001-02930	BEARING, MAIN	4							3
23	1	129150-01200	BOLT, HEAD	14							
24	1	129001-01340	GASKET, HEAD	1							
25	1	129150-02940	BEARING, THRUST 0.25	1							1
28	1	129150-02870	BEARING, 0.25 US	4							

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ 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.2. GEAR HOUSING

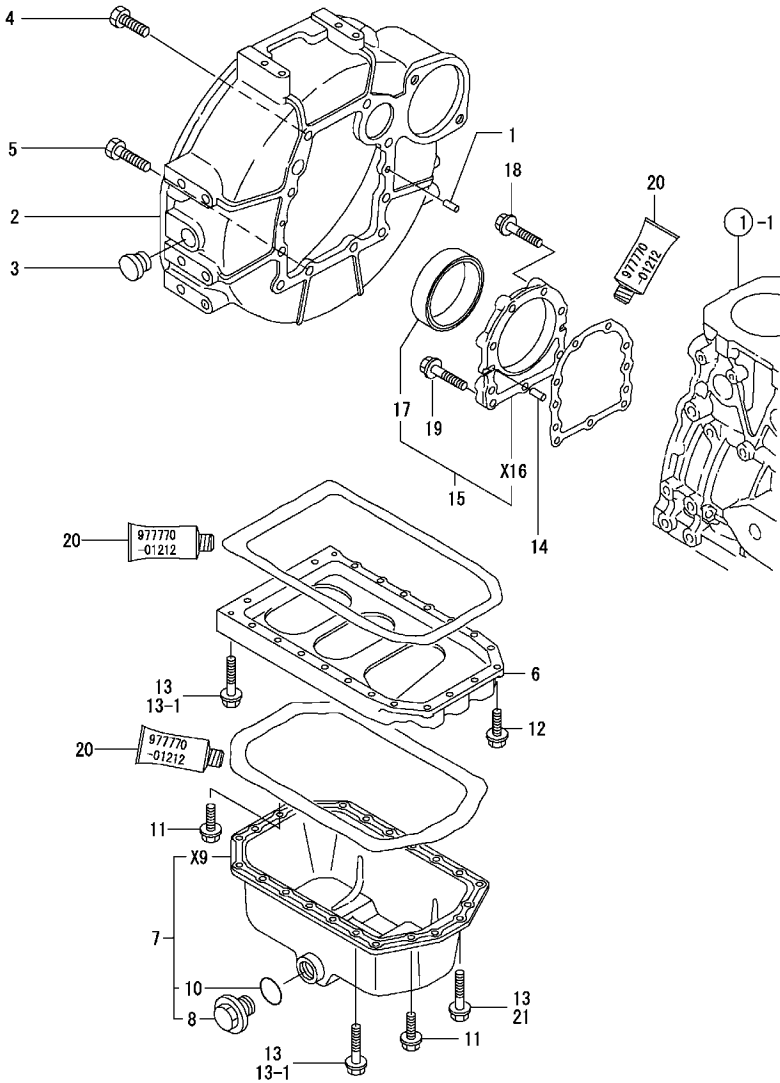
2.GEAR HOUSING



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	26106-060162	BOLT, M6X 16 PLATED	2							
9	1	129795-01950	PIPE, KNOCK L=18	2							
10	1	129150-03100	RETAINER, PIPE	1							
11	1	121850-51960	O-RING	1							
12	1	24311-000160	O-RING, 1AP16.0	2							
13	1	24311-000320	O-RING, 1AP32.0	1							
14	1	26106-080122	BOLT, M8X 12 PLATED	4							
15	1	26106-080162	BOLT, M8X 16 PLATED	1							
16	1	26106-080162	BOLT, M8X 16 PLATED	3							
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	22190-080002	WASHER, SEAL 6	1							
24	1	121023-01550	COVER	1							
25	1	24341-000240	O-RING, 1AS24.0	1							
26	1	977770-01212	GASKET, LIQUID	1							1

Remarks
(1) OPTIONAL PART.

Fig.3. FLYWHEEL HOUSING & OIL SUMP



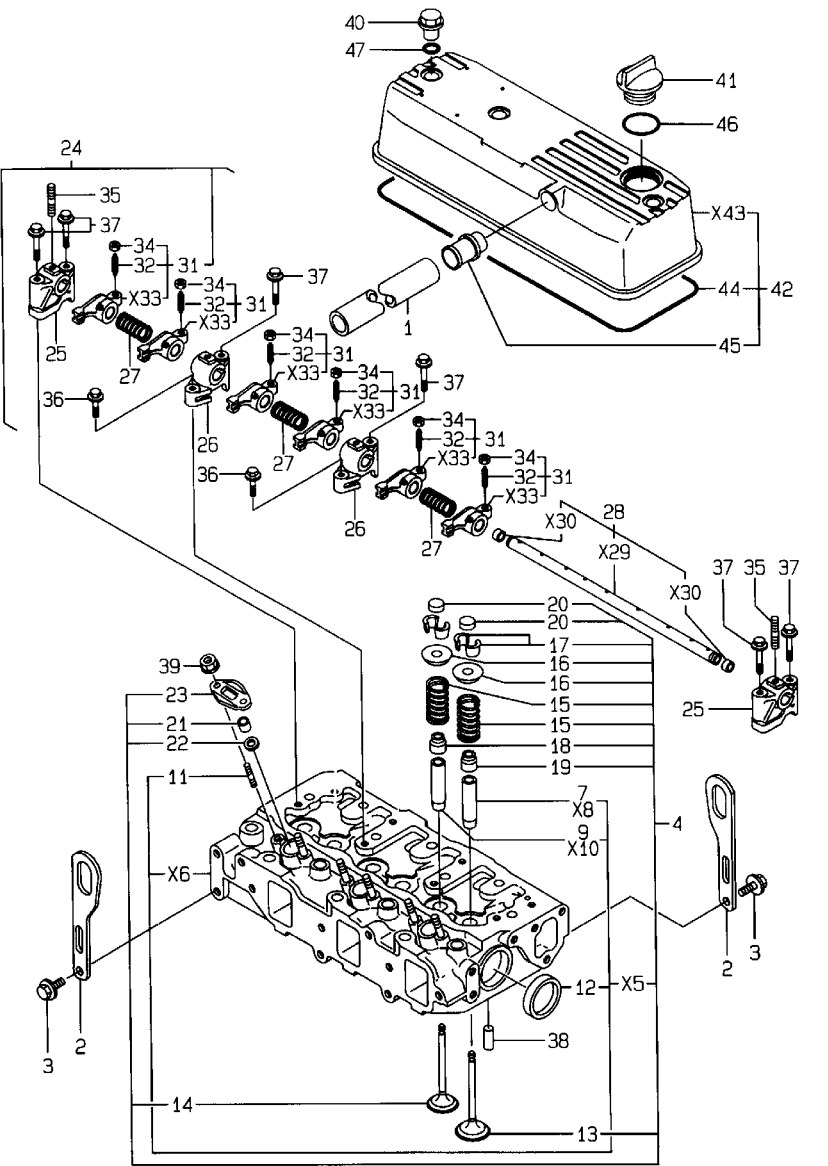
X-MARK PARTS:NOT SOLD SEPARATELY.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2							
2	1	129612-01600	HOUSING, FLYWHEEL	1							
3	1	119620-01750	CAP	1							
4	1	26206-100252	BOLT, M10X 25 PLATED	6							
5	1	26206-100302	BOLT, M10X 30 PLATED	4							
6	1	129100-01730	SPACER, OIL SUMP	1							
7	1	129100-01760	SUMP ASSY, OIL	1							
8	2	171301-01640	PLUG, 22	1							
10	2	24341-000250	O-RING, 1AS25.0	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	20							
13-1	1	26106-080452	BOLT, M8X 45 PLATED	16							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	977770-01212	GASKET, LIQUID	1							1
21	1	26106-080502	BOLT, M8X 50 PLATED	4							W
(A=FROM 1ST)											

Remarks
(1) OPTIONAL PART.

Fig.4. CYLINDER HEAD & BONNET

4.CYLINDER HEAD & BONNET



x-MARK PARTS: NOT SOLD SEPARATELY.

(A)=3TNE88-EYC
(B)=
(C)=

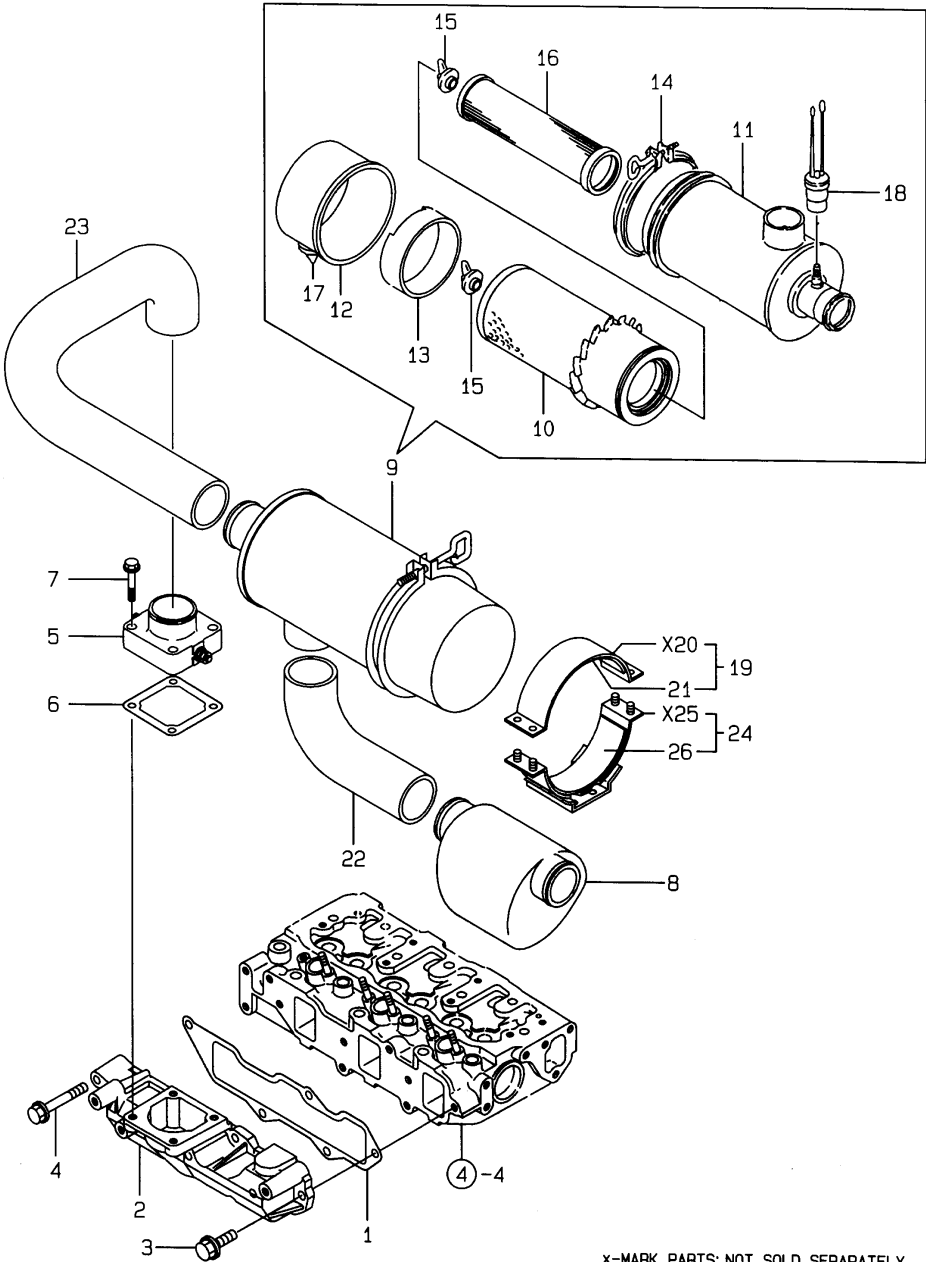
(D)=
(E)=
(F)=

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	129051-11700	HEAD ASSY, CYLINDER	1							
7	3	120130-11860	GUIDE, VALVE	3							1
9	3	129150-11810	GUIDE, VALVE	3							1
11	3	26216-060202	STUD, M6X 20	6							
12	3	27241-400000	PLUG, 40	2							
13	2	129100-11100	VALVE, INTAKE	3							
14	2	129100-11110	VALVE, EXHAUST	3							
15	2	129795-11120	SPRING, VALVE	6							
16	2	129795-11180	RETAINER, SPRING	6							
17	2	27310-080001	COTTER, 8	6							
18	2	121400-11340	SEAL, VALVE STEM	3							
19	2	124460-11340	SEAL, VALVE STEM	3							
20	2	129150-11370	CAP, VALVE	6							
21	2	119625-11870	PROTECTOR, NOZZLE	3							
22	2	119625-11880	SEAT, NOZZLE	3							
23	2	119625-11900	RETAINER, NOZZLE	3							
24	1	129100-11240	SHAFT ASSY, ROCKER	1							
25	2	129155-11260	SUPPORT, ROCKER ARM	2							
26	2	129155-11270	SUPPORT, ROCKER ARM	2							
27	2	129150-11280	SPRING	3							
28	2	129150-11290	SHAFT, ROCKER ARM	1							
31	2	129100-11650	ARM, ROCKER	6							
32	3	129150-11230	SCREW, VALVE ADJUST	6							
34	3	129150-11750	NUT, M8	6							
35	2	26226-080182	STUD, M8X 18	3							
36	1	26106-080252	BOLT, M8X 25 PLATED	2							
37	1	26106-080502	BOLT, M8X 50 PLATED	6							
38	1	22351-060012	PIN, SPRING 6.0X12	2							
39	1	26366-060002	NUT, M6	6							
40	1	124160-11360	KNOB	3							
41	1	124160-01751	COVER, FILLER	1							
42	1	129001-11351	BONNET ASSY, HEAD	1							
44	2	129001-11310	GASKET, BONNET	1							
45	2	129001-11340	PIPE , BREATHER	1							
46	1	24311-000320	O-RING, 1AP32.0	1							
47	1	24311-000120	O-RING, 1AP12.0	3							

Remarks
(1) REPAIR PART.

Fig.5. SUCTION MANIFOLD & AIR CLEANER

5.SUCTION MANIFOLD & AIR CLEANER

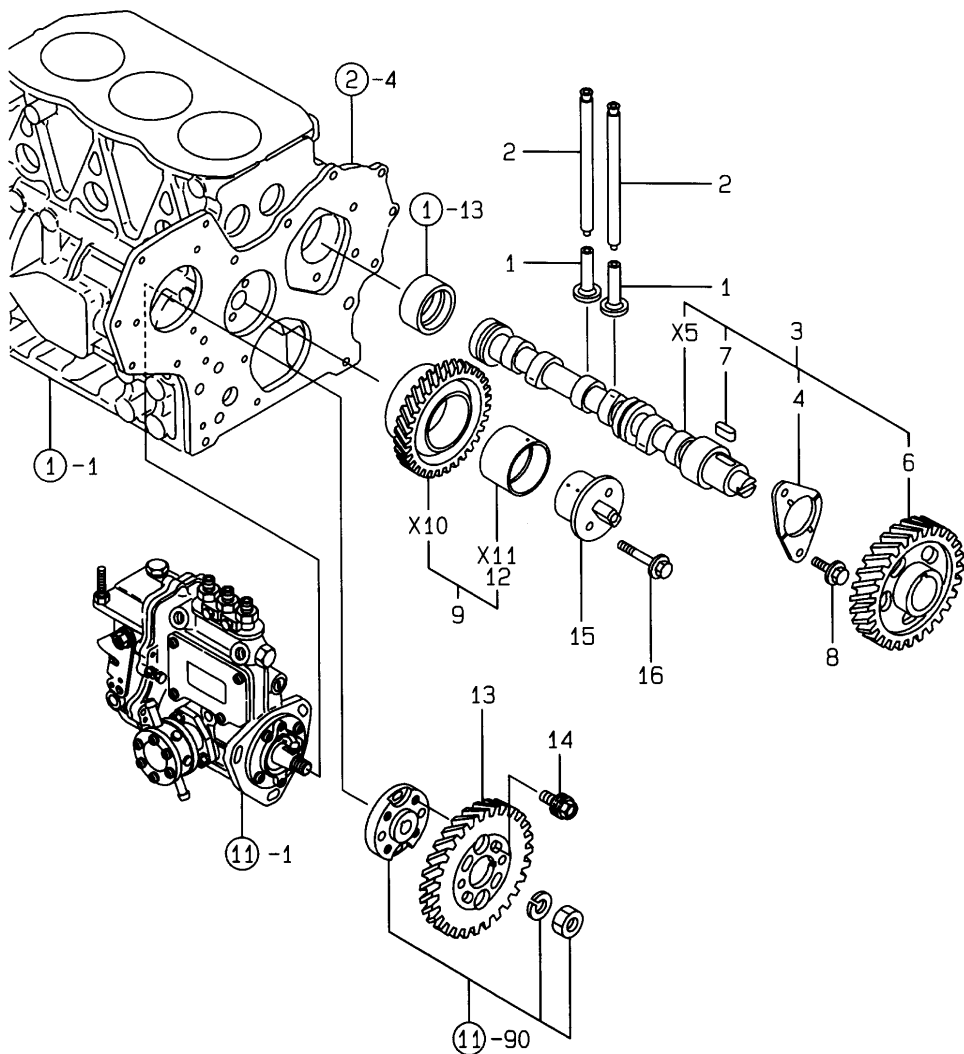


x-MARK PARTS: NOT SOLD SEPARATELY.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129001-12110	GASKET, MANIFOLD	1							
2	1	129001-12120	MANIFOLD, AIR INTAKE	1							
3	1	26106-080202	BOLT, M8X 20 PLATED	4							
4	1	26106-080502	BOLT, M8X 50 PLATED	1							
5	1	129120-77501	HEATER	1							
6	1	129150-77511	GASKET	1							
7	1	26106-080352	BOLT, M8X 35 PLATED	4							
8	1	121855-12060	SILENCER ASSY	1							
9	1	171061-12500	CLEANER ASSY, AIR	1							
10	2	121420-12511	ELEMENT	1							
11	2	171061-12520	BODY ASSY	1							
12	2	121422-12530	CUP	1							
13	2	121420-12540	SCARF, BAFFLE	1							
14	2	121420-12550	CLAMP ASSY	1							
15	2	121420-12561	NUT, WING	2							
16	2	121422-12570	ELEMENT	1							
17	2	121422-12580	VALVE, UNLOADER	1							
18	2	171061-12800	INDICATOR	1							
19	1	121400-12540	BAND ASSY, CLEANER	1							
21	2	121400-12570	SEAT, RUBBER B	1							
22	1	129030-12550	PIPE, AIR INTAKE	1							
23	1	129030-12560	PIPE, AIR INTAKE	1							
24	1	171351-12580	SUPPORT ASSY,CLEANER	1							
26	2	171351-12570	SEAT, RUBBER	1							

No.	Lev.	Parts No.	Description	(A)=3TNE88-EYC		(D)=		(E)=		I	R
				(B)=	(C)=	(C)	(D)	(E)	(F)		
1	1	129100-13110	MANIFOLD, EXHAUST			1					
2	1	129150-13110	GASKET			1					
3	1	26366-080002	NUT, M8			2					
4	1	26106-080802	BOLT, M8X 80 PLATED			4					
5	1	119131-18320	STUD, M8X22			4					
6	1	26216-080802	STUD, M8X 80			2					
7	1	124701-11911	GASKET, SILENCER			1					

7. CAMSHAFT & DRIVING GEAR



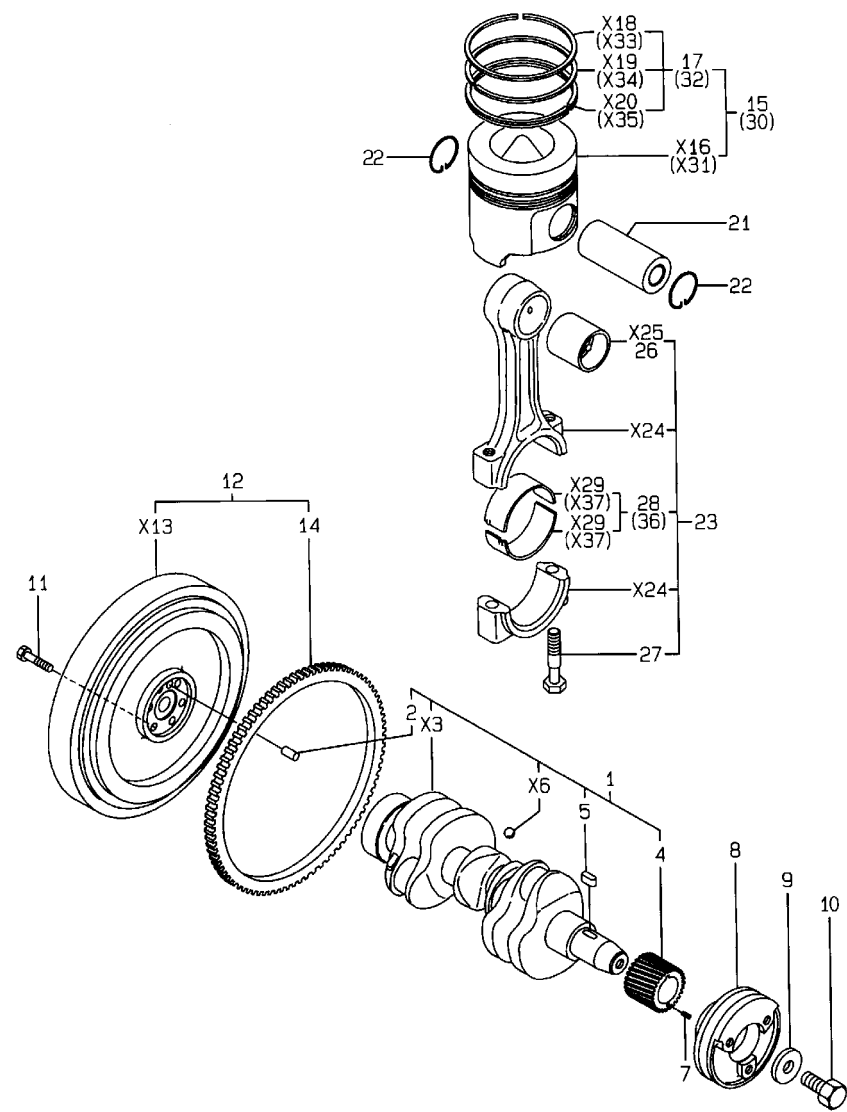
No.	Lev.	Parts No.	Description	(A)=3TNE88-EYC		(D)=		(E)=		I	R
				(B)=	(C)=	(C)	(D)	(E)	(F)=		
1	1	129150-14200	TAPPET			6					
2	1	129150-14400	ROD, PUSH L=178			6					
3	1	129129-14580	CAMSHAFT ASSY			1					
4	2	129150-02450	BEARING, THRUST			1					
6	2	129150-14101	GEAR, CAMSHAFT			1					
7	2	22512-070140	KEY, 7X 14			1					
8	1	26106-080142	BOLT, M8X 14 PLATED			2					
9	1	129150-25101	GEAR ASSY, IDLE			1					
12	2	129150-25920	BUSH, IDLE GEAR			1					1
13	1	129150-25931	GEAR, PUMP			1					
14	1	129150-25301	BOLT			4					
15	1	129100-25061	SHAFT, IDLE			1					
16	1	26106-080452	BOLT, M8X 45 PLATED			2					

Remarks
(1) REPAIR 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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Fig.8. CRANKSHAFT & PISTON

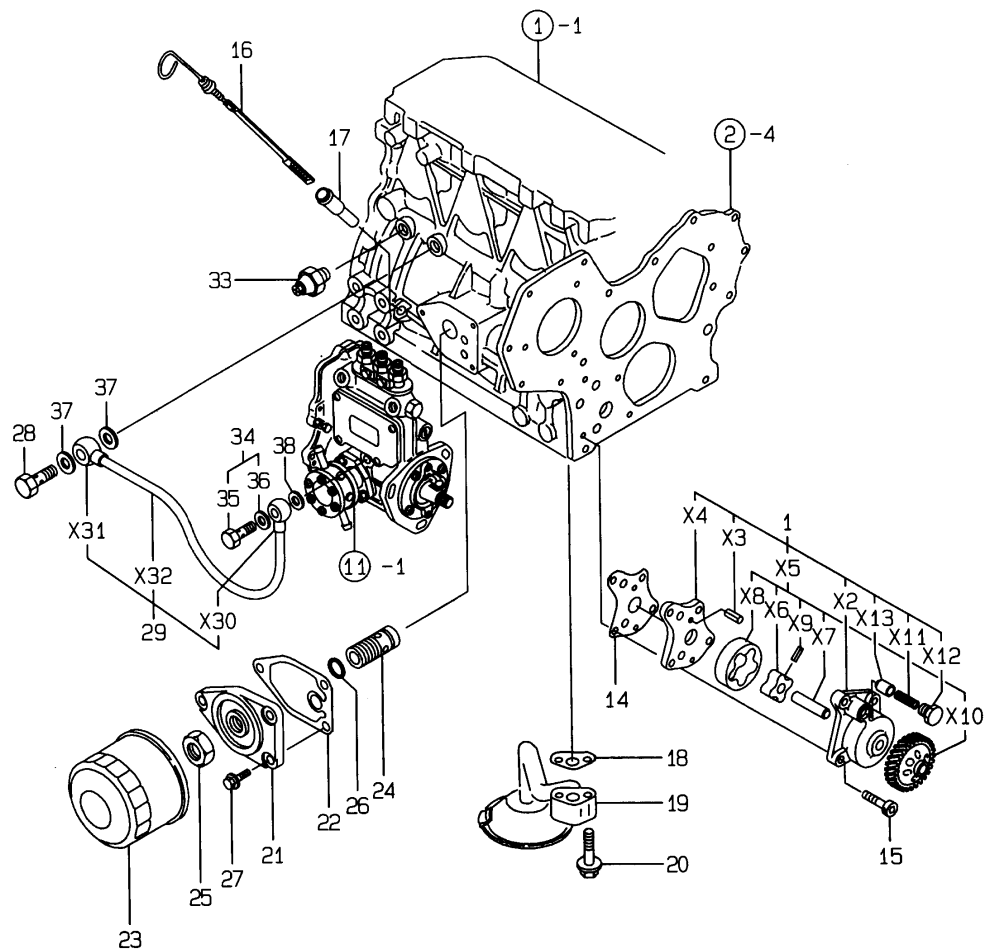
8.CRANKSHAFT & PISTON



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129001-21100	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	171340-21650	V-PULLEY	1							
9	1	129795-21661	WASHER	1							
10	1	121850-21680	BOLT	1							
11	1	121111-21501	BOLT, FLYWHEEL	6							
12	1	171340-21580	FLYWHEEL ASSY	1							
14	2	119865-21600	GEAR, RING	1							
15	1	129001-22070	PISTON ASSY	3							
17	2	129001-22500	RING SET, PISTON	3							
21	1	129202-22300	PIN, PISTON D26 L70	3							
22	1	22252-000260	RING, 26	6							
23	1	729402-23100	ROD ASSY, CONNECTING	3							
26	2	129100-23910	BEARING, PISTON PIN	3							1
27	2	121550-23200	BOLT, CONNECTING ROD	6							
28	2	129150-23600	BEARING, CRANK PIN	3							
30	1	129001-22930	PISTON ASSY, 0.25 OS	3							2
32	2	129001-22950	RING SET, 0.25 OS	3							2
36	1	129150-23610	BEARING, 0.25 US	3							3

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

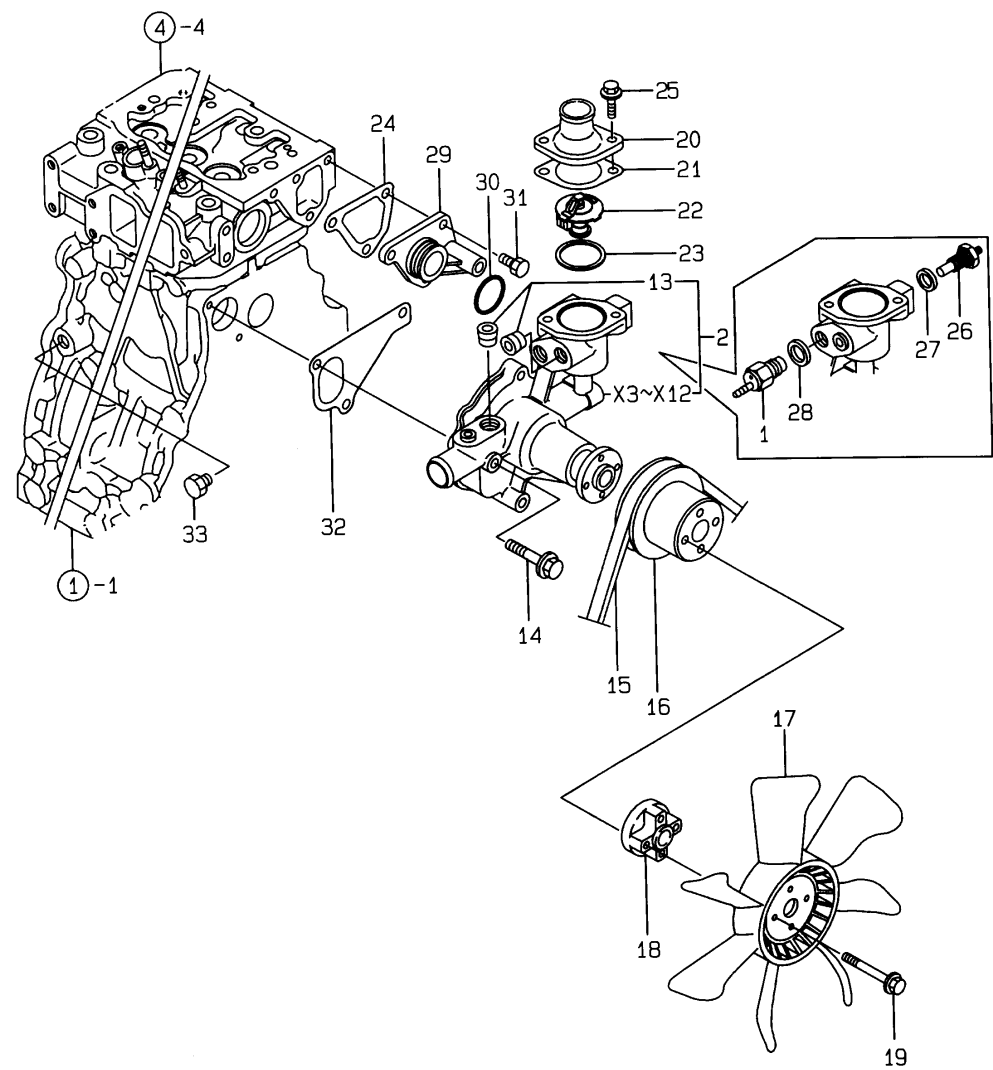
9.LUB.OIL SYSTEM



No.	Lev.	Parts No.	Description	(A)=3TNE88-EYC						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129001-32001	PUMP ASSY, OIL	1							
14	1	129150-32020	GASKET, PUMP	1							
15	1	26450-060252	BOLT, M6X 25	4							
16	1	171420-34820	DIPSTICK, OIL	1							
17	1	121520-34810	GUIDE, DIPSTICK	1							
18	1	129150-35041	GASKET	1							
19	1	129100-35301	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	124160-39140	BOLT, PIPE JOINT M10	1							
29	1	129150-39450	PIPE ASSY, OIL	1							
33	1	121252-39450	SWITCH, 0.5KG	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	22190-100002	WASHER, SEAL 10	2							
38	1	22190-080002	WASHER, SEAL 6	1							

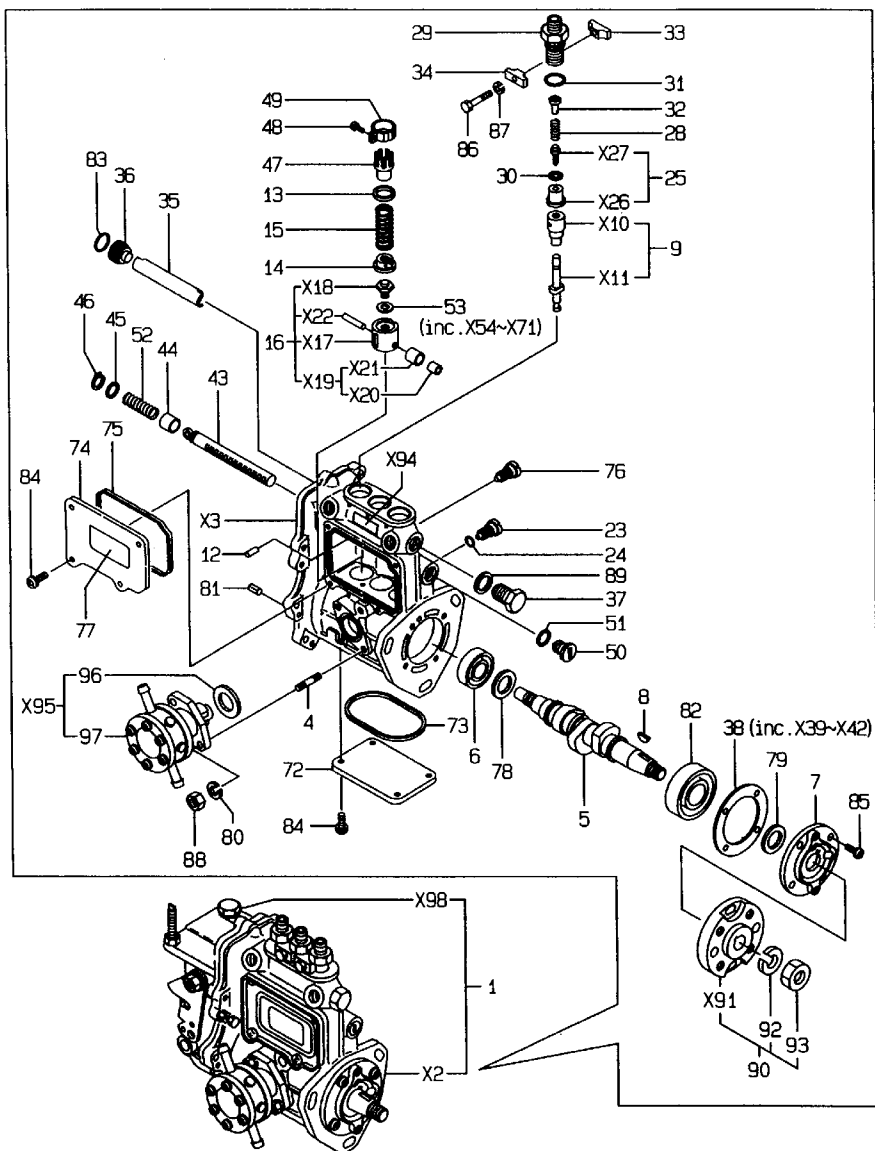
Fig.10. COOLING WATER SYSTEM

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	129155-42350	V-PULLEY	1							
17	1	129120-44741	FAN, COOLING 360	1							
18	1	171353-44760	SPACER, FAN	1							
19	1	26106-060352	BOLT, M6X 35 PLATED	4							
20	1	129350-49530	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	26106-080222	BOLT, M8X 22 PLATED	2							
26	1	124250-49351	SENSOR	1							
27	1	129150-49360	GASKET	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	129486-42021	GASKET, WATER PUMP	1							
33	1	171056-49120	PLUG, DRAIN	1							

11.FUEL INJECTION PUMP



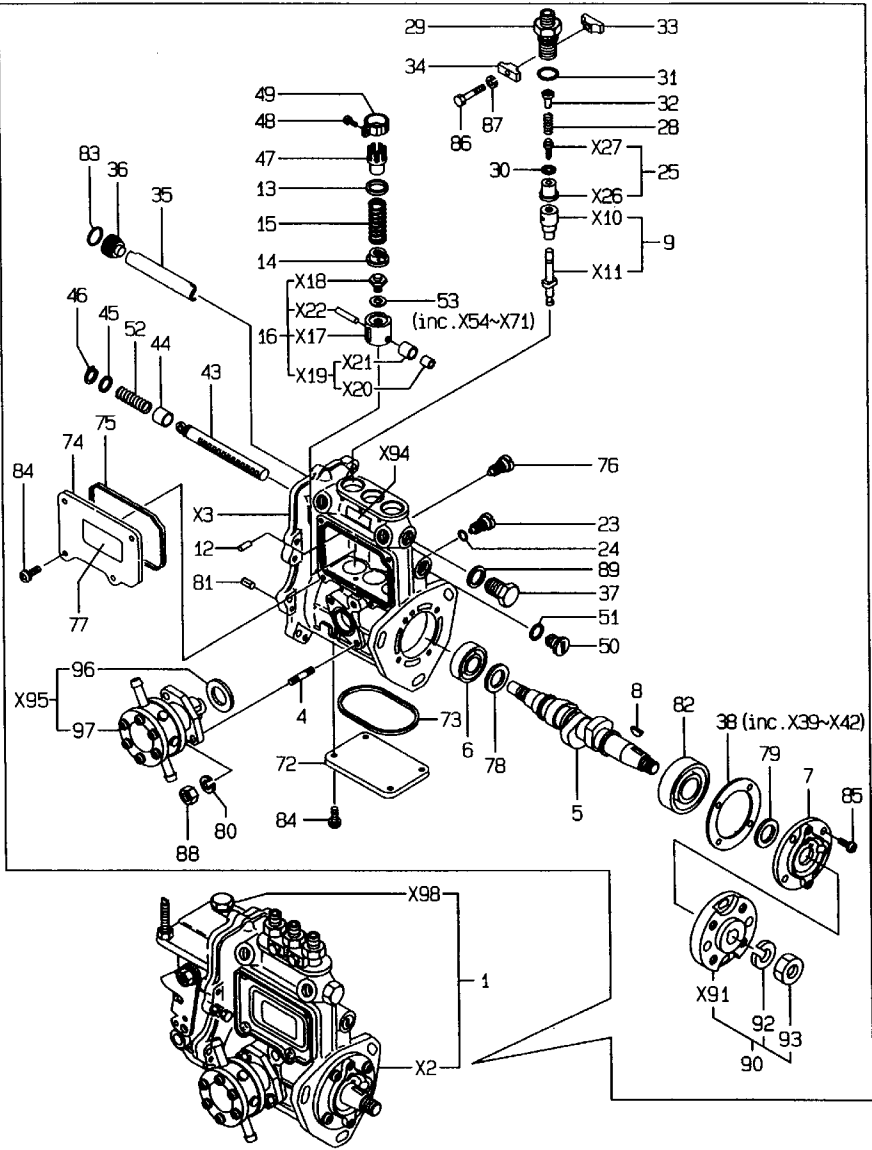
(1)GOVERNOR ASSY(FIG.12)IS
INCORPORATED IN THIS FUEL
INJECTION PUMP ASSY(REF.NO.1)

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)
1	1	729031-51450	PUMP ASSY, INJECTION	1					
4	3	129155-51020	STUD	2					
5	3	129171-51040	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	3					
12	3	129155-51140	PIN	3					
13	3	174307-51170	RETAINER, SPRING A	3					
14	3	129155-51180	RETAINER, SPRING	3					
15	3	124950-51190	SPRING, PLUNGER	3					
16	3	129155-51200	TAPPET ASSY	3					
23	3	129155-51270	STOPPER, TAPPET	3					
24	3	129155-51280	O-RING, S6	3					
25	3	129209-51300	VALVE ASSY, DELIVERY	3					
28	3	129573-51330	SPRING, DELIVERY	3					
29	3	129573-51340	RETAINER	3					
30	3	124550-51350	GASKET, DELIVERY	3					
31	3	124550-51370	O-RING	3					
32	3	129573-51370	STOPPER, VALVE	3					
33	3	129155-51380	STOPPER	2					
34	3	129155-51390	STOPPER	2					
35	3	129155-51400	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	129155-51500	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	3					
48	3	122117-51560	SCREW	3					
49	3	174307-51560	PINION	3					
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	3					
72	3	129155-51701	COVER	1					
73	3	129155-51710	GASKET	1					
74	3	129155-51751	COVER	1					
75	3	129155-51760	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	22217-060000	WASHER, SPRING 6	2					
81	3	22351-050010	PIN, SPRING 5.0X10	2					
82	3	24101-063034	BEARING, BALL 6303	1					
83	3	24341-000160	O-RING, 1AS16.0	1					
84	3	26022-050122	SCREW, M5X12	8					
85	3	26022-060162	SCREW, M6X16	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
 ++ CONTINUE ++
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Fig.11. FUEL INJECTION PUMP

11.FUEL INJECTION PUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
86	3	26116-050302	BOLT, M5X 30 PLATED	2							
87	3	22217-050000	WASHER, SPRING 5	2							
88	3	26716-060002	NUT, M6	2							
89	3	22190-160002	WASHER, SEAL 16	1							
90	3	129208-54500	FLANGE ASSY	1							
92	4	22217-120000	WASHER, SPRING 12	1							
93	4	26716-120002	NUT, M12	1							
96	3	129155-52050	GASKET	1							
97	3	129100-52100	PUMP ASSY, FUEL FEED	1							

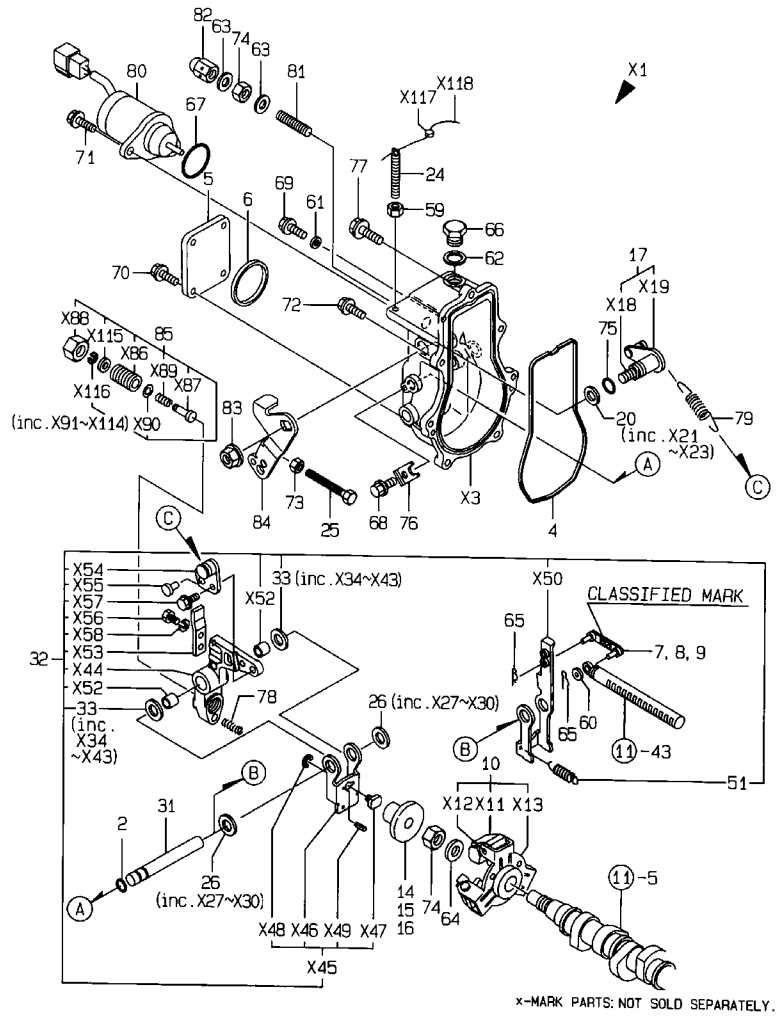
Remarks
(1)GOVERNOR ASSY(FIG.12)IS
INCORPORATED IN THIS FUEL
INJECTION PUMP ASSY(REF.NO.1)

Fig.12. GOVERNOR

(A)=3TNE88-EYC
(B)=
(C)=

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

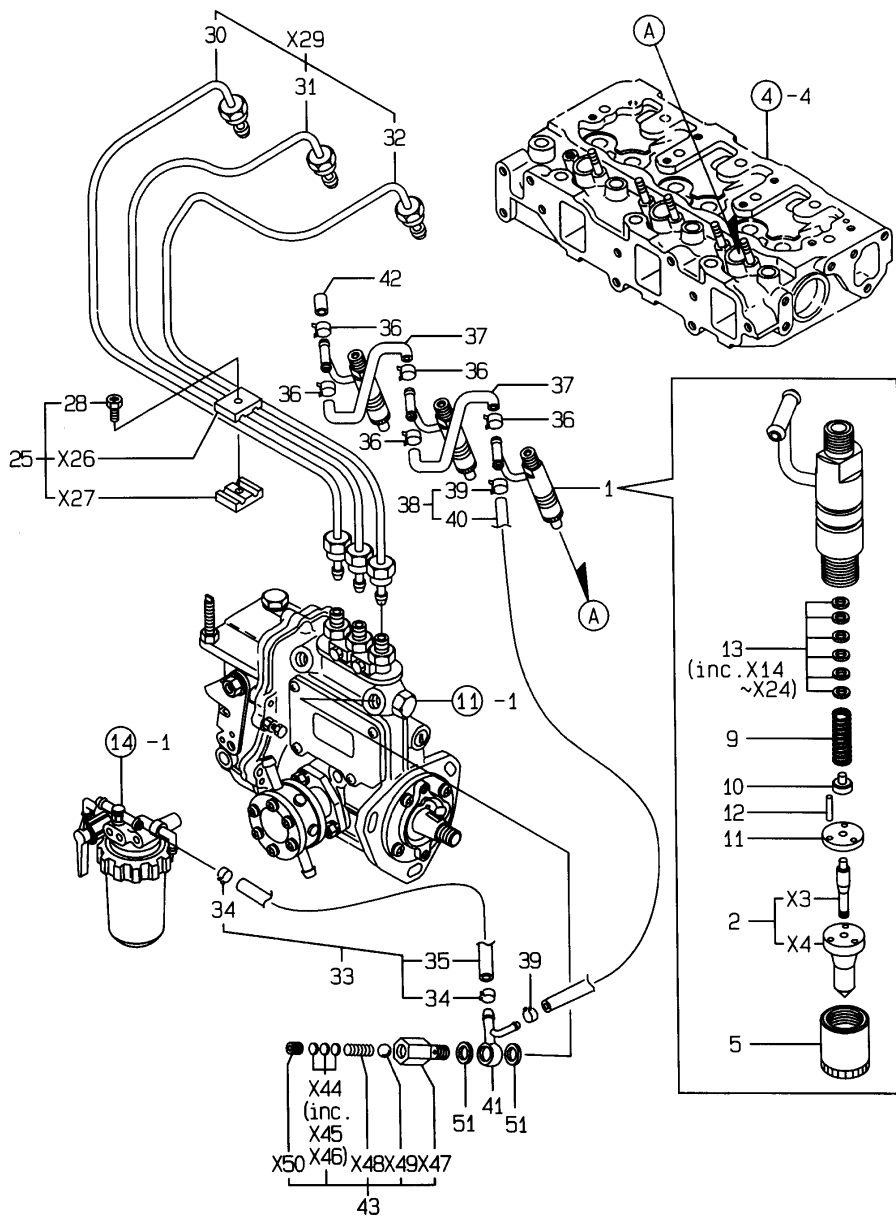
12. GOVERNOR



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	129486-61201	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	119908-61501	LEVER ASSY, GOVERNOR	1							
33	4	174307-51700	SHIM SET	2							
51	4	129486-61540	SPRING, SET	1							
59	3	124550-66370	NUT, M6	1							
60	3	22117-040000	WASHER, 4	1							
61	3	22190-060003	SEAL WASER 6	1							
62	3	22190-100002	WASHER, SEAL 10	1							
63	3	22190-120002	WASHER, SEAL 12	2							
64	3	22287-120000	WASHER, 12	1							
65	3	22372-040000	PIN, SNAP 4	2							
66	3	23887-100002	PLUG, 10	1							
67	3	24341-000280	O-RING, 1AS28.0	1							
67-1	3	158552-61900	O-RING	1							N
(A)=EXXXXX											
68	3	26106-060102	BOLT, M6X 10 PLATED	1							
69	3	26106-060102	BOLT, M6X 10 PLATED	1							
70	3	26106-060102	BOLT, M6X 10 PLATED	4							
71	3	26106-060142	BOLT, M6X 14 PLATED	2							
72	3	26106-060202	BOLT, M6X 20 PLATED	6							
73	3	26756-060002	NUT, LOCK M6	1							
74	3	26776-120002	NUT, LOCK M12	2							
75	3	129155-61830	O-RING, S10	1							
76	3	119660-61901	RETAINER, SHAFT	1							
77	3	129155-61950	BOLT	1							
78	2	129100-61650	SPRING, CONTROLLER	1							
79	2	129489-61700	SPRING, GOVERNOR	1							
80	2	119653-77950	SOLENOID, STOP	1							
81	2	120323-61470	BOLT, CONTROL	1							
82	2	129100-61930	NUT, CAP	1							
83	2	26366-080002	NUT, M8	1							
84	2	129100-61440	LEVER, CONTROL	1							
85	2	119654-66700	ANGLEICH ASSY	1							

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).

13.FUEL INJECTION VALVE



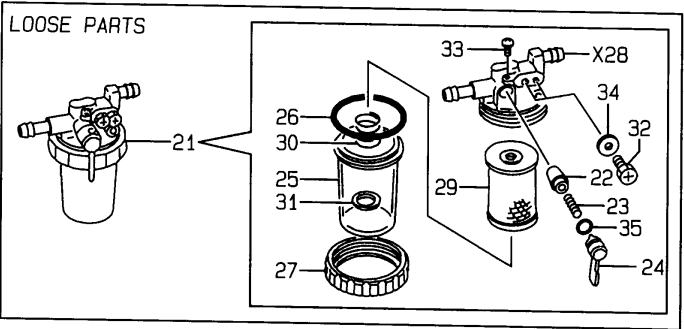
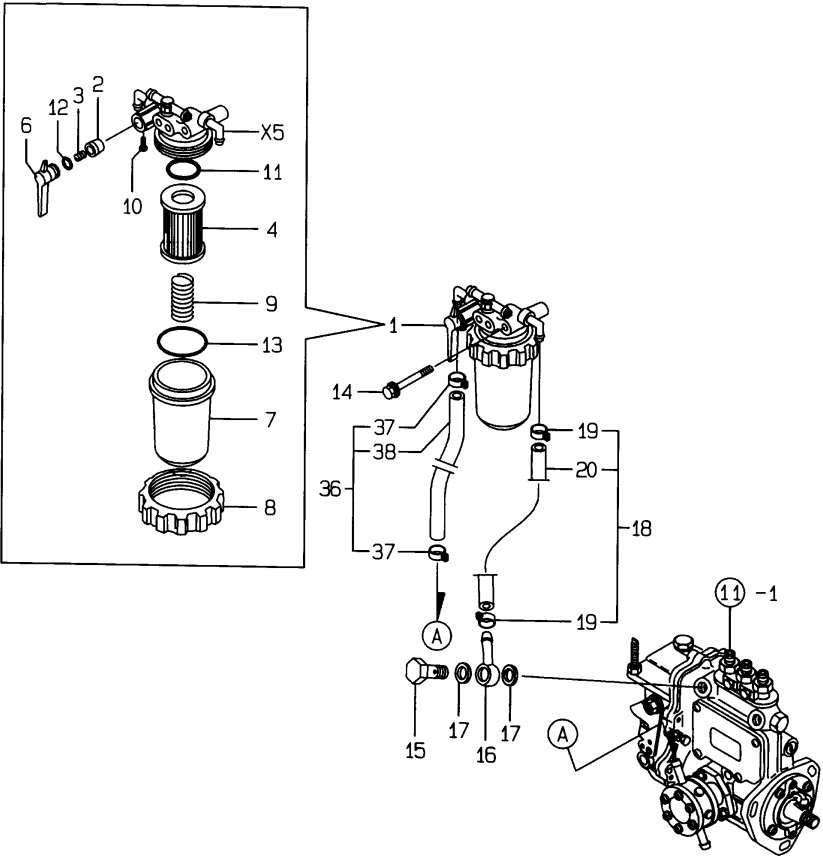
x-MARK PARTS: NOT SOLD SEPARATELY.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729209-53200	VALVE ASSY,INJECTION	3							
2	2	129209-53100	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
9	2	114250-53120	SPRING, NOZZLE	3							
10	2	114250-53130	SEAT, SPRING	3							
11	2	114250-53140	PLATE	3							
12	2	114250-53210	PIN	6							
13	2	114250-53400	SHIM SET	3							
25	1	119305-59120	RETAINER, PIPE	2							
28	2	129150-59131	BOLT, M4X14	2							
30	2	129052-59810	PIPE ASSY, INJECTION	1							
31	2	129052-59820	PIPE ASSY, INJECTION	1							
32	2	129052-59830	PIPE ASSY, INJECTION	1							
33	1	129210-59130	PIPE ASSY, FUEL	1							
34	2	124766-59050	CLIP, HOSE 12	2							
35	2	105025-59750	PIPE, FUEL	1							
36	1	124066-59100	CLIP, HOSE 8	5							
37	1	121250-59550	PIPE, FUEL D8X120	2							
38	1	119840-59500	PIPE ASSY, RETURN	1							
39	2	124066-59100	CLIP, HOSE 8	2							
40	2	119840-59560	PIPE, FUEL RETURN	1							
41	1	119840-59570	JOINT	1							
42	1	129150-59580	CAP	1							
43	1	129100-59951	VALVE ASSY, CHECK	1							
51	1	22190-120002	WASHER, SEAL 12	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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Fig.14. FUEL LINE

14.FUEL LINE

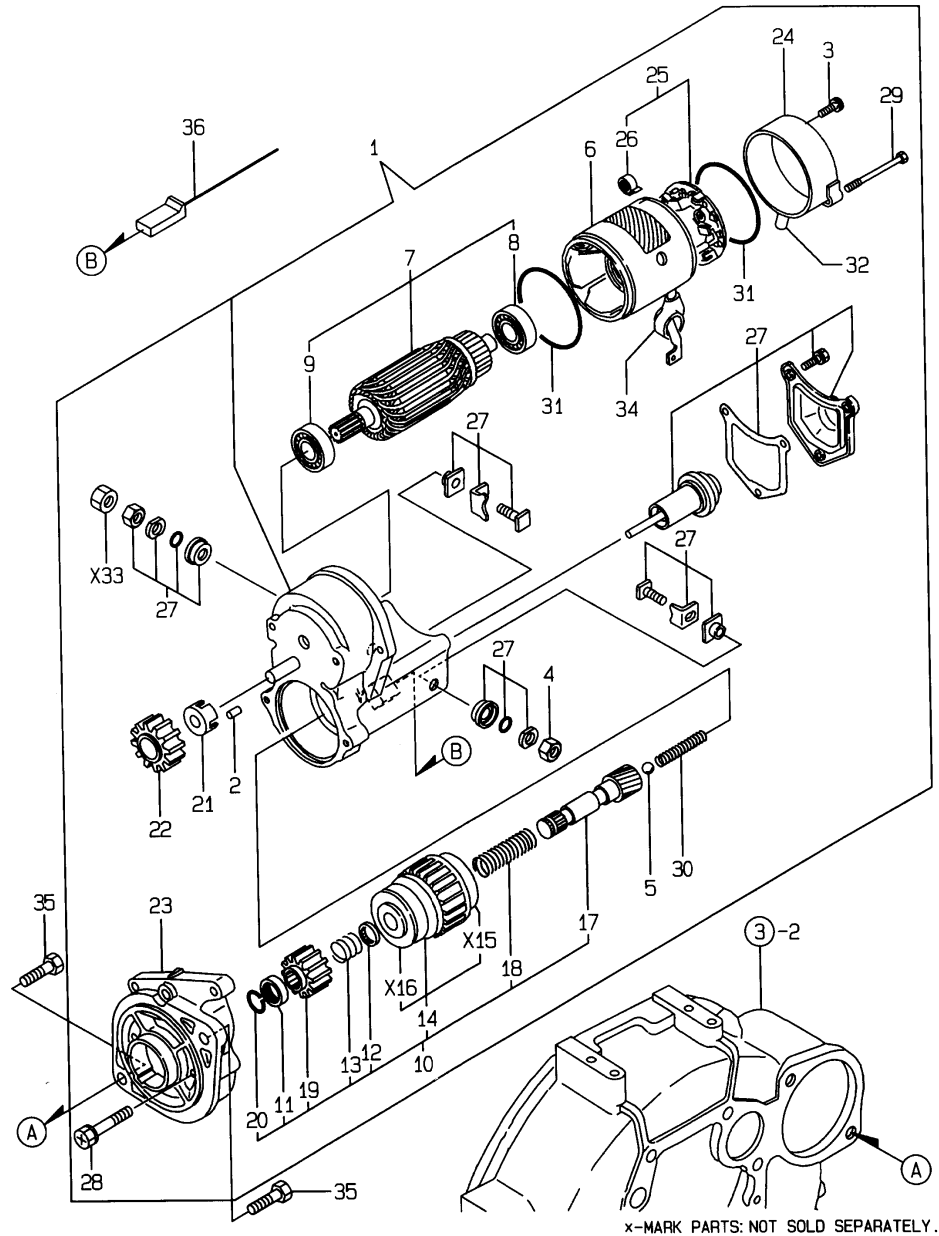


x-MARK PARTS: NOT SOLD SEPARATELY.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129052-55620	FILTER ASSY, FUEL	1							
2	2	104200-55321	VALVE, TAPER	1							
3	2	104200-55330	SPRING, VALVE	1							
4	2	129100-55650	ELEMENT	1							
6	2	129100-55670	LEVER	1							
7	2	129100-55680	CUP, STRAINER	1							
8	2	129100-55690	RING, RETAINING	1							
9	2	129100-55700	SPRING	1							
10	2	104200-55750	SCREW, M4	1							
11	2	24311-000160	O-RING, 1AP16.0	1							
12	2	24311-240100	O-RING, 1AP10A	1							
13	2	24321-000650	O-RING, 1AG65.0	1							
14	1	26014-080702	BOLT, M8X 70	1							
15	1	103854-39140	BOLT, PIPE JOINT	1							
16	1	101304-59020	JOINT, PIPE 12	1							
17	1	22190-120002	WASHER, SEAL 12	2							
18	1	129210-59040	PIPE ASSY, FUEL	1							
19	2	124766-59050	CLIP, HOSE 12	2							
20	2	129555-59510	PIPE, D13/7.5X180	1							
21	1	121850-55800	SEPARATOR ASSY, WATER	1							
22	2	104200-55321	VALVE, TAPER	1							
23	2	104200-55330	SPRING, VALVE	1							
24	2	104200-55341	HANDLE	1							
25	2	121254-55510	COVER	1							
26	2	102103-55520	O-RING	1							
27	2	110250-55610	RING, RETAINING	1							
29	2	121850-55710	SCREEN	1							
30	2	121257-55720	SPRING	1							
31	2	121257-55731	FLOAT	1							
32	2	101720-55750	PLUG, 6	2							
33	2	104200-55750	SCREW, M4	1							
34	2	23418-060000	GASKET, 6X1.0	2							
35	2	24311-240100	O-RING, 1AP10A	1							
36	1	129210-59150	PIPE ASSY, FUEL	1							
37	2	124766-59050	CLIP, HOSE 12	2							
38	2	105025-59530	PIPE, FUEL D13X400	1							

Fig.15. STARTING MOTOR

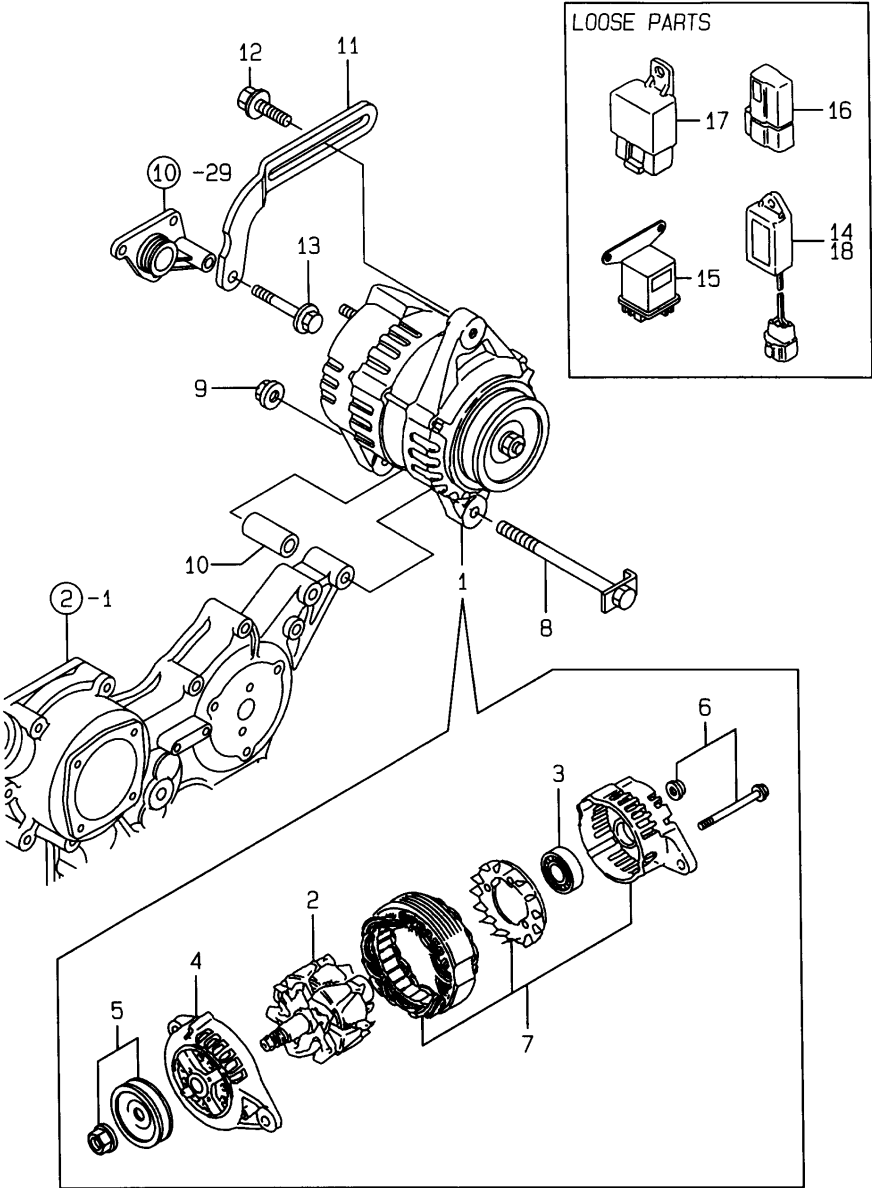
15.STARTING MOTOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129129-77010	STARTER ASSY	1							
2	2	X0283060061	ROLLER	5							
3	2	129129-77460	SCREW	2							
4	2	X9490561370	NUT	1							
5	2	X9491200240	BALL	1							
6	2	129129-77210	YOKE ASSY	1							
7	2	129129-77220	ARMATURE ASSY	1							
8	3	129129-77230	BEARING	1							
9	3	129129-77240	BEARING	1							
10	2	129129-77250	STARTER	1							
11	3	X0280210230	NUT	1							
12	3	X0283270140	RETAINER	1							
13	3	X9491703371	SPRING, COIL	1							
14	3	129129-77390	CLUTCH ASSY	1							
17	3	129129-77400	SHAFT	1							
18	3	129129-77410	SPRING, COIL	1							
19	3	129129-77420	PINION, STARTER	1							
20	3	129129-77430	RING	1							
21	2	129129-77260	RETAINER	1							
22	2	129129-77270	PINION	1							
23	2	129129-77280	HOUSING	1							
24	2	129129-77290	FRAME	1							
25	2	129129-77300	HOLDER ASSY	1							
26	3	X9491730461	SPRING	4							
27	2	129129-77310	SWITCH ASSY	1							
28	2	129129-77320	BOLT	2							
29	2	129129-77330	BOLT	2							
30	2	129129-77340	SPRING	1							
31	2	129129-77350	O-RING	2							
32	2	129129-77362	COVER	1							
34	2	129129-77380	CAP	1							
35	1	26116-120252	BOLT, M12X 25 PLATED	2							
36	1	119643-77900	CONNECTOR, STARTER	1							

Fig.16. GENERATOR

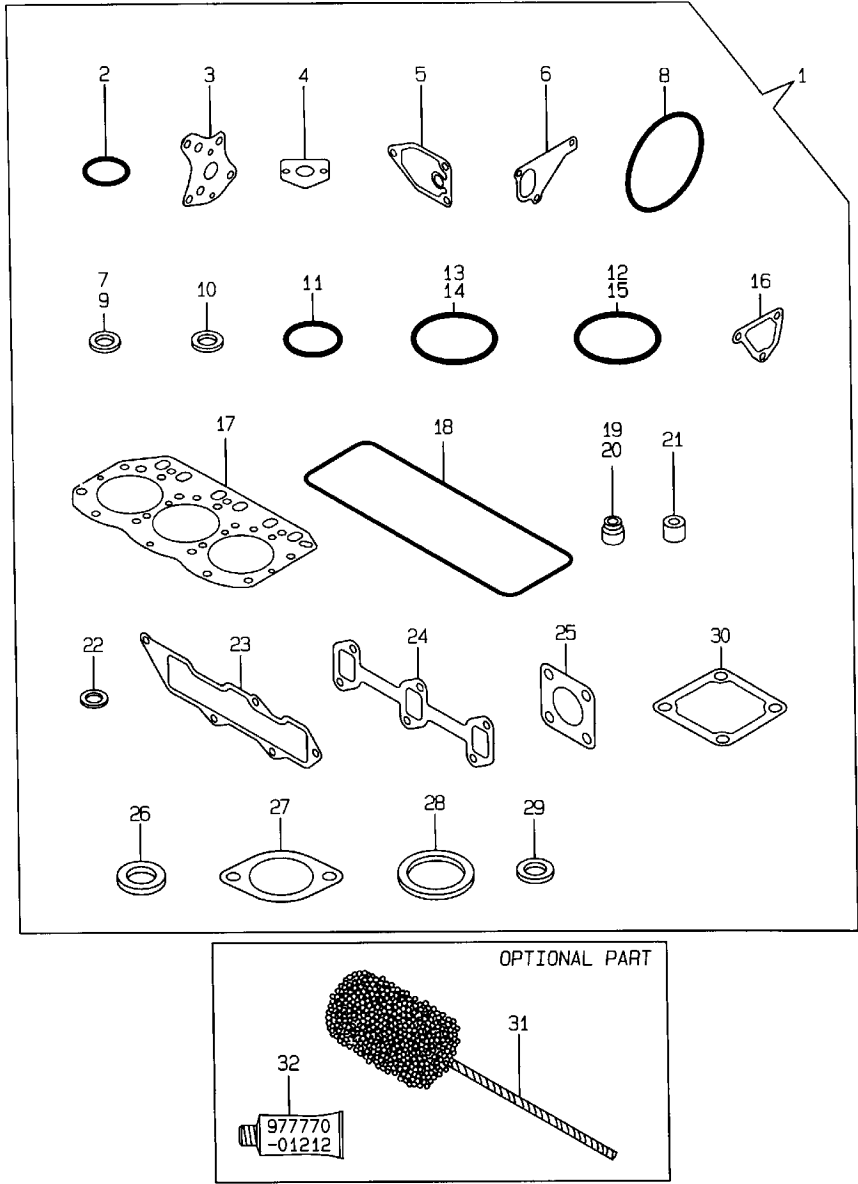
16. GENERATOR



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							
7	2	119836-77920	BRACKET ASSY	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							
14	1	129211-77920	TIMER	1							
15	1	119650-77910	RELAY ASSY, GLOW	1							
16	1	119643-66900	DIODE	2							
17	1	119247-77100	RELAY, SAFETY	1							
18	1	128300-77920	TIMER	1							

OCV10-M79100
Fig.17. GASKET SET

17.GASKET SET



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729030-92740	GASKET SET	1							1
2	2	24311-000120	O-RING, 1AP12.0	3							
3	2	129150-32020	GASKET, PUMP	1							
4	2	129150-35041	GASKET	1							
5	2	129150-35111	GASKET	1							
6	2	129486-42021	GASKET, WATER PUMP	1							
7	2	22190-080002	WASHER, SEAL 6	7							
8	2	121850-51960	O-RING	1							
9	2	129150-49360	GASKET	1							
10	2	22190-100002	WASHER, SEAL 10	2							
11	2	24311-000160	O-RING, 1AP16.0	3							
12	2	129486-42140	O-RING, G30	1							
13	2	24341-000240	O-RING, 1AS24.0	1							
14	2	24341-000250	O-RING, 1AS25.0	1							
15	2	24311-000320	O-RING, 1AP32.0	2							
16	2	124395-49840	GASKET	1							
17	2	129001-01340	GASKET, HEAD	1							
18	2	129001-11310	GASKET, BONNET	1							
19	2	121400-11340	SEAL, VALVE STEM	3							
20	2	124460-11340	SEAL, VALVE STEM	3							
21	2	119625-11870	PROTECTOR, NOZZLE	3							
22	2	119625-11880	SEAT, NOZZLE	3							
23	2	129001-12110	GASKET, MANIFOLD	1							
24	2	129150-13110	GASKET	1							
25	2	124701-11911	GASKET, SILENCER	1							
26	2	124465-44950	GASKET, 16	1							
27	2	129795-49551	GASKET	1							
28	2	129150-49811	GASKET, THERMOSTAT	1							
29	2	22190-120002	WASHER, SEAL 12	4							
30	2	129150-77511	GASKET	1							
31	1	129400-92430	HONE	1							1
32	1	977770-01212	GASKET, LIQUID	1							1

Remarks
(1) OPTIONAL PART.

Parts No. Index

Parts No.	Fig. No.	Ref. No.
101304-59020	14	16
101720-55750	14	32
102103-55520	14	26
103854-39140	14	15
104200-55321	14	2
		22
104200-55330	14	3
		23
104200-55341	14	24
104200-55750	14	10
		33
105025-59530	14	38
105025-59750	13	35
110250-55610	14	27
114250-53080	13	5
114250-53120	13	9
114250-53130	13	10
114250-53140	13	11
114250-53210	13	12
114250-53400	13	13
119131-18320	6	5
119247-77100	16	17
119305-59120	13	25
119620-01750	3	3
119625-11870	4	21
	17	21
119625-11880	4	22
	17	22
119625-11900	4	23
119643-66900	16	16
119643-77900	15	36
119650-77910	16	15
119653-77950	12	80
119654-66700	12	85
119660-61901	12	76
119810-77340	16	12
119820-77340	16	10
119836-77201	16	1
119836-77920	16	7
119840-59500	13	38
119840-59560	13	40
119840-59570	13	41
119865-21600	8	14
119908-61501	12	32
120130-11860	4	7
120323-61470	12	81
121023-01550	2	24
121111-21501	8	11
121250-44901	10	1
121250-59550	13	37

Parts No.	Fig. No.	Ref. No.
121252-39450	9	33
121254-55510	14	25
121257-55720	14	30
121257-55731	14	31
121400-11340	4	18
	17	19
121400-12540	5	19
121400-12570	5	21
121420-12511	5	10
121420-12540	5	13
121420-12550	5	14
121420-12561	5	15
121422-12530	5	12
121422-12570	5	16
121422-12580	5	17
121450-01560	2	5
121520-34810	9	17
121550-23200	8	27
121850-21680	8	10
121850-51960	2	11
	17	8
121850-55710	14	29
121850-55800	14	21
121855-12060	5	8
122117-51560	11	48
122710-51090	11	8
124066-59100	13	36
		39
124160-01751	2	6
	4	41
124160-01910	1	4
124160-11360	4	40
124160-39140	9	28
124240-01871	2	7
124250-49351	10	26
124395-49840	10	24
	17	16
124460-11340	4	19
	17	20
124465-44950	10	28
	17	26
124550-51350	11	30
124550-51370	11	31
124550-59820	9	35
124550-59830	9	34
124550-66370	12	59
124701-11911	6	7
	17	25
124736-07900	4	2
124766-59050	13	34

Parts No.	Fig. No.	Ref. No.
124766-59050	14	19
		37
124950-51190	11	15
128300-77920	16	18
129001-01250	1	10
129001-01340	1	24
	17	17
129001-02930	1	20
129001-11310	4	44
	17	18
129001-11340	4	45
129001-11351	4	42
129001-12110	5	1
	17	23
129001-12120	5	2
129001-21100	8	1
129001-22070	8	15
129001-22500	8	17
129001-22930	8	30
129001-22950	8	32
129001-32001	9	1
129001-35300	9	24
129001-42003	10	2
129001-42040	10	29
129001-91841	2	20
129030-12550	5	22
129030-12560	5	23
129051-11700	4	4
129052-55620	14	1
129052-59810	13	30
129052-59820	13	31
129052-59830	13	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
129100-01730	3	6
129100-01760	3	7
129100-11100	4	13
129100-11110	4	14
129100-11240	4	24
129100-11650	4	31
129100-13110	6	1
129100-23910	8	26
129100-25061	7	15
129100-35301	9	19

Parts No.	Fig. No.	Ref. No.
129100-52100	11	97
129100-55650	14	4
129100-55670	14	6
129100-55680	14	7
129100-55690	14	8
129100-55700	14	9
129100-59951	13	43
129100-61400	12	17
129100-61440	12	84
129100-61650	12	78
129100-61930	12	82
129100-77320	16	11
129120-44741	10	17
129120-77501	5	5
129129-14580	7	3
129129-77010	15	1
129129-77210	15	6
129129-77220	15	7
129129-77230	15	8
129129-77240	15	9
129129-77250	15	10
129129-77260	15	21
129129-77270	15	22
129129-77280	15	23
129129-77290	15	24
129129-77300	15	25
129129-77310	15	27
129129-77320	15	28
129129-77330	15	29
129129-77340	15	30
129129-77350	15	31
129129-77362	15	32
129129-77380	15	34
129129-77390	15	14
129129-77400	15	17
129129-77410	15	18
129129-77420	15	19
129129-77430	15	20
129129-77460	15	3
129136-77251	16	8
129150-01200	1	23
129150-02020	1	6
129150-02450	7	4
129150-02870	1	28
129150-02930	1	17
129150-02940	1	25
129150-03090	4	1
129150-03100	2	10
129150-11230	4	32
129150-11280	4	27

Parts No. Index

Parts No.	Fig. No.	Ref. No.
129150-11290	4	28
129150-11370	4	20
129150-11750	4	34
129150-11810	4	9
129150-13110	6	2
	17	24
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	14
129150-25920	7	12
129150-25931	7	13
129150-32020	9	14
	17	3
129150-35041	9	18
	17	4
129150-35101	9	21
129150-35111	9	22
	17	5
129150-35151	9	23
129150-35350	9	25
129150-39450	9	29
129150-49360	10	27
	17	9
129150-49811	10	23
	17	28
129150-59131	13	28
129150-59580	13	42
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129155-11260	4	25
129155-11270	4	26
129155-42350	10	16
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
129155-51280	11	24
	12	2
129155-51380	11	33
129155-51390	11	34
129155-51400	11	35
129155-51410	11	36

Parts No.	Fig. No.	Ref. No.
129155-51420	11	37
129155-51450	11	38
129155-51500	11	43
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
129155-51701	11	72
129155-51710	11	73
129155-51751	11	74
129155-51760	11	75
129155-51790	11	76
129155-51930	11	78
129155-51940	11	79
129155-52050	11	96
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	75
129155-61950	12	77
129156-51910	11	77
129171-51040	11	5
129202-22300	8	21
129208-51060	11	7
129208-54500	11	90
129209-51300	11	25
129209-53100	13	2
129210-59040	14	18
129210-59130	13	33
129210-59150	14	36
129211-77920	16	14
129350-49530	10	20
129400-01520	2	4
129400-92430	17	31
129486-01670	3	18
129486-42021	10	32
	17	6
129486-42140	10	30
	17	12

Parts No.	Fig. No.	Ref. No.
129486-61201	12	10
129486-61540	12	51
129489-61700	12	79
129506-51100	11	9
129555-59510	14	20
129573-51330	11	28
129573-51340	11	29
129573-51370	11	32
129612-01600	3	2
129612-77260	16	9
129612-77700	16	2
129612-77710	16	3
129612-77730	16	4
129612-77740	16	5
129612-77750	16	6
129795-01780	3	17
129795-01800	2	3
129795-01950	2	9
129795-02411	1	13
129795-11120	4	15
129795-11180	4	16
129795-21661	8	9
129795-49551	10	21
	17	27
158552-61900	12	67 -1
171051-01921	1	5
171056-49120	10	33
171061-12500	5	9
171061-12520	5	11
171061-12800	5	18
171301-01640	3	8
171340-21580	8	12
171340-21650	8	8
171351-12570	5	26
171351-12580	5	24
171353-44760	10	18
171420-34820	9	16
174307-51170	11	13
174307-51560	11	49
174307-51700	12	33
22117-040000	12	60
22190-060003	12	61
22190-080002	2	22
		23
	9	36
		38
	17	7
22190-100002	9	37
	12	62
	17	10

Parts No.	Fig. No.	Ref. No.
22190-120002	12	63
	13	51
	14	17
	17	29
22190-160002	11	89
22217-050000	11	87
22217-060000	11	80
22217-120000	11	92
22252-000260	8	22
22287-120000	12	64
22351-040010	8	7
22351-050010	11	81
22351-060012	4	38
22372-040000	12	65
22512-070140	7	7
	8	5
23418-060000	14	34
23876-010000	1	9
23876-030000	10	13
23887-100002	12	66
24101-063034	11	82
24311-000120	4	47
	17	2
24311-000160	2	12
	9	26
	14	11
	17	11
24311-000320	2	13
	4	46
	17	15
24311-240100	14	12
		35
24321-000650	14	13
24341-000160	11	83
24341-000240	2	25
	17	13
24341-000250	3	10
	17	14
24341-000280	12	67
25132-003800	10	15
26014-080702	14	14
26022-050122	11	84
26022-060162	11	85
26106-060102	12	68
		69
		70
26106-060142	12	71
26106-060162	2	8
26106-060202	12	72
26106-060352	10	19

Parts No. Index

Parts No.	Fig. No.	Ref. No.
26106-080122	2	14
26106-080142	4	3
	7	8
26106-080162	2	15
		16
	3	11
	10	31
26106-080202	2	17
	5	3
	9	27
26106-080222	10	25
26106-080252	3	12
	4	36
26106-080352	3	19
	5	7
	9	20
26106-080452	2	18
	3	13
		13 -1
	7	16
26106-080502	3	21
	4	37
	5	4
	16	13
26106-080552	2	19
26106-080602	10	14
26106-080802	6	4
26116-050302	11	86
26116-120252	15	35
26206-100252	3	4
26206-100302	3	5
26216-060202	4	11
26216-080802	6	6
26226-080182	4	35
26366-060002	4	39
26366-080002	2	21
	6	3
	12	83
26450-060252	9	15
26716-060002	11	88
26716-120002	11	93
26756-060002	12	73
26776-120002	12	74
27241-120000	1	11
27241-300000	1	12
27241-400000	4	12
27310-080001	4	17
719810-01500	2	1
729001-01560	1	1
729030-92740	17	1

Parts No.	Fig. No.	Ref. No.
729031-51450	11	1
729209-53200	13	1
729402-23100	8	23
977770-01212	2	26
	3	20
	17	32
X0280210230	15	11
X0283060061	15	2
X0283270140	15	12
X9490561370	15	4
X9491200240	15	5
X9491703371	15	13
X9491730461	15	26

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