

0CV10-M54601EN

PREFACE

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNE82A-BEN engine manufactured since November, 1997 & 3TNE82A-EBEN engine manufactured since February, 2001.

2. Parts catalog history

	Parts catalog No.	Published	Remarks
1st edition	000Y00V5460	1998/5	Disuse old edition
1st revised	000Y00V5461	2001/2	

3. Model name

Column	Model name	Manufactured	E/#
(A)	3TNE82A-BEN	1997/11~	42290~
(B)	3TNE82A-EBEN	2001/2~	

4. Each illustration corresponds to the parts list on the following page.
5. When ordering parts, clearly write down the engine model and serial number, as well as the name and number of each part in your order sheet. This will help insure reliable delivery of the parts you have ordered.

Directions for the Parts Catalog.

- 1.This Parts Catalog shows both standard and optional parts.
- 2.Parts may change without prior notice.
- 3.The following is an example of the Parts Catalog format.

OCF10-G21601 29. FUEL INJECTION PUMP(W/BOOST)

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	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	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 $\xrightarrow{\text{No}}$ New	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\xrightarrow{\text{No}}$ New $\xrightarrow{\text{Yes}}$ New	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\xrightarrow{\text{Yes}}$ New $\xrightarrow{\text{Yes}}$ New	New/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New $\xrightarrow{\text{No}}$ New	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

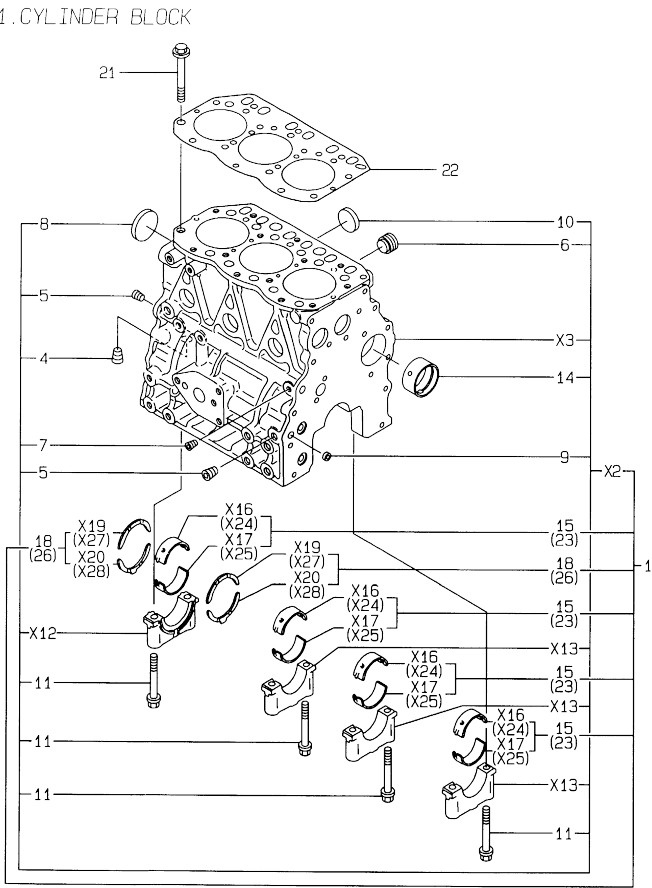
Figures or alphabets (symbols) are entered in the remarks column.

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
3TNE82A-(E)BEN			
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		

Fig.1. CYLINDER BLOCK



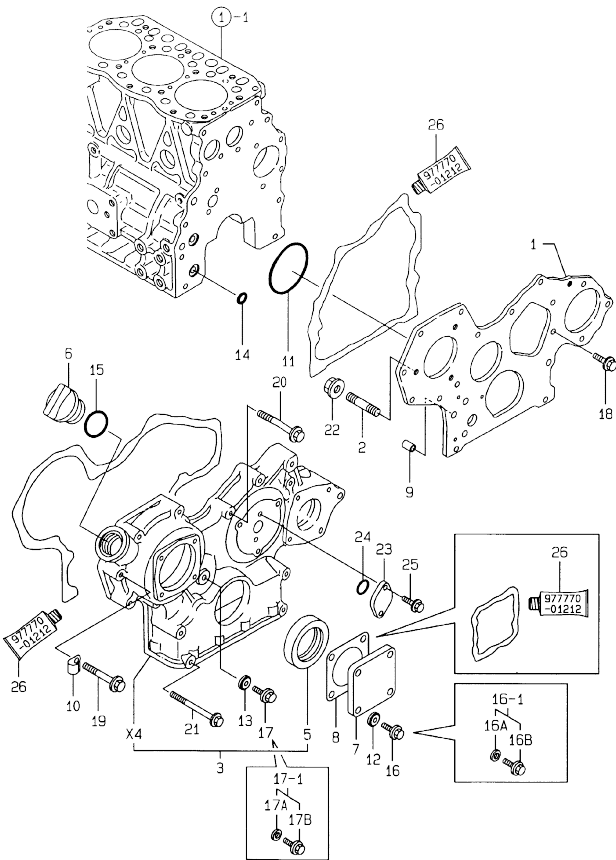
Remarks
(1) UNDER-SIZE(U.S=0.25)PART.
(2) OVER-SIZE(O.S=0.25)PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719813-01560	BLOCK ASSY, CYLINDER	1	1						
4	3	124160-01910	PLUG, PT1/4	1	1						
5	3	124160-01910	PLUG, PT1/4	2	2						
6	3	171051-01921	PLUG, NPTF1	1	1						
7	3	23871-010000	PLUG, R01	1							
7-1	3	23876-010000	PLUG, R01	1	1						N
(A=E XXX)											
8	3	27231-500000	PLUG 50	1							
8-1	3	129001-01250	PLUG, 50	1	1						N
(A=E XXX)											
9	3	27241-120000	PLUG, 12	2	2						
10	3	27241-300000	PLUG 30	6	6						
11	3	119620-02020	BOLT, METAL CAP	8	8						
14	3	129795-02411	BUSH, CAMSHAFT	1	1						
15	2	119810-02800	BEARING, MAIN	4	4						
18	2	119810-02930	BEARING, THRUST	1	1						
21	1	119810-01200	BOLT, HEAD	14	14						
22	1	119812-01330	GASKET, HEAD	1	1						
23	1	119810-02870	BEARING, 0.25 US	4	4						1
26	1	119810-02940	BEARING, THRUST 0.25	2	2						2

0CV10-M54601

Fig.2. GEAR HOUSING

2. GEAR HOUSING



X-MARK PARTS: NOT SOLD SEPARATELY.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171353-01520	FLANGE, GEAR CASE	1	1						
2	1	121450-01560	STUD, M8X22	3	3						
3	1	171353-01580	CASE ASSY, GEAR	1	1						
5	2	129795-01800	SEAL, OIL	1	1						
6	1	124160-01751	COVER, FILLER	1	1						
7	1	124240-01871	COVER	1	1						
8	1	124240-01883	GASKET	1							Z
(A=E45130)											
9	1	129795-01950	PIPE, KNOCK L=18	2	2						
10	1	129150-03100	RETAINER, PIPE	1	1						
11	1	121850-51960	O-RING	1	1						
12	1	22190-080002	WASHER, SEAL 6	4							Z
(A=E45130)											
13	1	22190-080002	WASHER, SEAL 6	1							Z
(A=E45130)											
14	1	24311-000160	O-RING, 1AP16.0	2	2						
15	1	24311-000320	O-RING, 1AP32.0	1	1						
16	1	26106-080122	BOLT, M8X 12 PLATED	4							
16-1	1	124550-01590	BOLT, M8X16	4	4						N
(A=E45130)											
16A	2	22190-080002	WASHER, SEAL 6	4							W
(A=E45130)											
16A-1	2	22190-080003	WASHER, SEAL 8	4	4						N
(A=E45130)											
16B	2	26106-080162	BOLT, M8X 16 PLATED	4	4						W
(A=E45130)											
17	1	26106-080162	BOLT, M8X 16 PLATED	1							
17-1	1	124550-01590	BOLT, M8X16	1	1						N
(A=E45130)											
17A	2	22190-080002	WASHER, SEAL 6	1							W
(A=E45130)											
17A-1	2	22190-080003	WASHER, SEAL 8	1	1						N
(A=E45130)											
17B	2	26106-080162	BOLT, M8X 16 PLATED	1	1						W
(A=E45130)											
18	1	26106-080162	BOLT, M8X 16 PLATED	3	3						
19	1	26106-080452	BOLT, M8X 45 PLATED	6	6						
20	1	26106-080552	BOLT, M8X 55 PLATED	3	3						
21	1	129001-91840	BOLT, M8X85	4							
21-1	1	129001-91841	BOLT, M8X85	4	4						R
(A=E45130)											
22	1	26366-080002	NUT, M8	3	3						
23	1	121023-01550	COVER	1	1						
24	1	24341-000240	O-RING, 1AS24.0	1	1						
25	1	26106-060122	BOLT, M6X 12 PLATED	2							
25-1	1	26106-060162	BOLT, M6X 16 PLATED	2	2						N
(A=E45130)											
26	1	977770-01212	GASKET, LIQUID	1	1						1

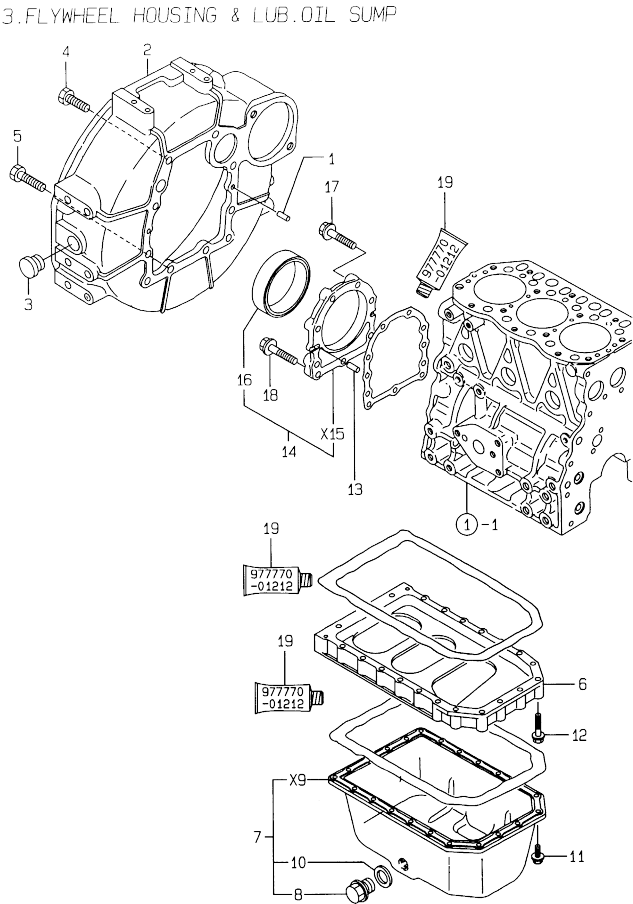
Remarks

(1) OPTIONAL PART.

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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0CV10-M54601

Fig.3. FLYWHEEL HOUSING & OIL SUMP



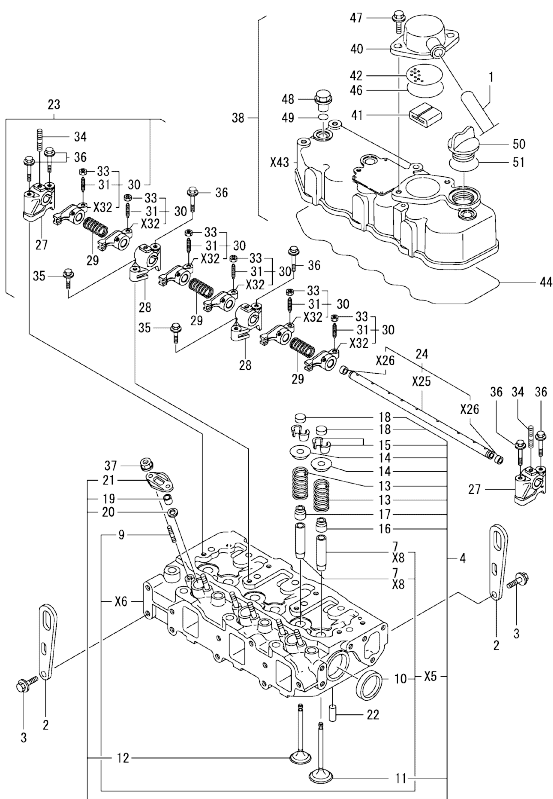
Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2	2						
2	1	129612-01600	HOUSING, FLYWHEEL	1	1						
3	1	119620-01750	CAP	1	1						
4	1	26206-100252	BOLT, M10X 25 PLATED	6	6						
5	1	26206-100302	BOLT, M10X 30 PLATED	4	4						
6	1	119810-01730	SPACER, OIL SUMP	1	1						
7	1	119810-01770	SUMP ASSY, OIL	1	1						
8	2	119640-01640	PLUG, DRAIN M22	1	1						
10	2	22190-220002	WASHER, SEAL 22	1	1						
11	1	26106-080162	BOLT, M8X 16 PLATED	6	6						
12	1	26106-080452	BOLT, M8X 45 PLATED	22	22						
13	1	129100-01580	PIN, M8X16	2	2						
14	1	719810-01650	CASE ASSY, OIL SEAL	1	1						
16	2	119810-01780	SEAL, 769310	1	1						
17	1	129486-01670	BOLT, M8X30	6	6						
18	1	26106-080352	BOLT, M8X 35 PLATED	3	3						
19	1	977770-01212	GASKET, LIQUID	1	1						1

N:Old $\frac{N_{Old}}{N_{New}}$ New, Q:Old $\frac{Q_{Old}}{Q_{New}}$ New, R:Old $\frac{R_{Old}}{R_{New}}$ New, S:Old $\frac{S_{Old}}{S_{New}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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0CV10-M54601

Fig.4. CYLINDER HEAD & BONNET



x-Mark PARTS NOT SOLD SEPARATELY

Remarks

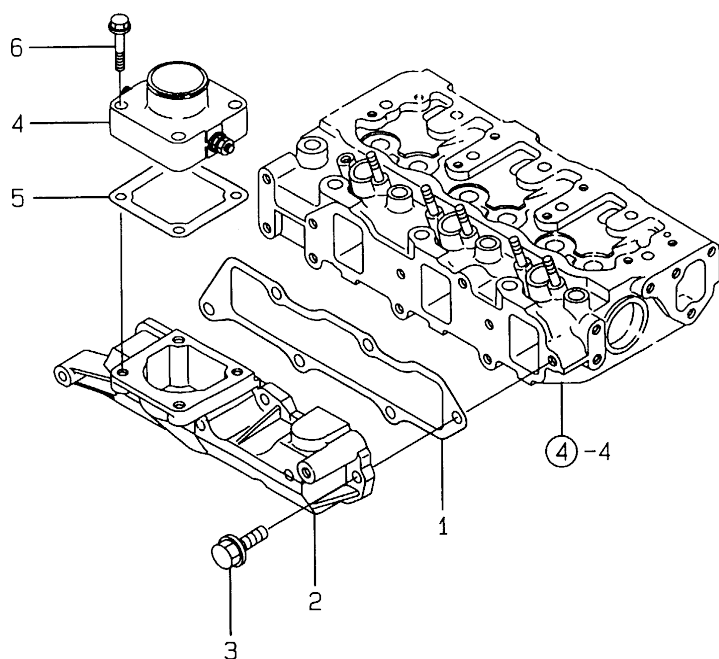
(1) REPAIR PART.

(A)=3TNE82A-BEN
(B)=3TNE82A-EBEN
(C)=

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

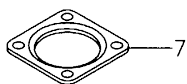
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-03090	HOSE, ID16X2T	1	1						
2	1	124736-07900	LIFTER	2	2						
3	1	26106-080142	BOLT, M8X 14 PLATED	4	4						
4	1	119812-11700	HEAD ASSY, CYLINDER	1	1						1
7	3	124060-11800	GUIDE, VALVE	6	6						
9	3	26216-060302	STUD, M6X 30	6	6						
10	3	27241-400000	PLUG, 40	2	2						
11	2	119810-11100	VALVE, INTAKE	3	3						
12	2	119810-11110	VALVE, EXHAUST	3	3						
13	2	119810-11120	SPRING, VALVE	6	6						
14	2	104211-11180	RETAINER, SPRING	6	6						
15	2	27310-070001	COTTER, 7	6	6						
16	2	124160-11340	SEAL, VALVE STEM	3	3						
17	2	124950-11340	SEAL, VALVE STEM	3	3						
18	2	104211-11370	CAP, VALVE	6	6						
19	2	119625-11870	PROTECTOR, NOZZLE	3	3						
20	2	119625-11880	SEAT, NOZZLE	3	3						
21	2	119625-11900	RETAINER, NOZZLE	3	3						
22	1	22351-060012	PIN, SPRING 6.0X12	2	2						
23	1	119865-11210	SUPPORT ASSY	1	1						
24	2	119810-11240	SHAFT ASSY, ROCKER	1	1						
27	2	129155-11260	SUPPORT, ROCKER ARM	2	2						
28	2	129155-11270	SUPPORT, ROCKER ARM	2	2						
29	2	129150-11280	SPRING	3	3						
30	2	719810-11660	ARM ASSY, ROCKER	6	6						
31	3	129150-11230	SCREW, VALVE ADJUST	6	6						
33	3	129150-11750	NUT, M8	6	6						
34	2	26226-080182	STUD, M8X 18	3	3						
35	1	26106-080252	BOLT, M8X 25 PLATED	2	2						
36	1	26106-080502	BOLT, M8X 50 PLATED	6	6						
37	1	26366-060002	NUT, M6	6	6						
38	1	719810-11520	BONNET ASSY, HEAD	1	1						
38-1	1	719810-11521	BONNET ASSY, HEAD	1	1						N
(A=E45130)											
40	2	129150-03020	COVER, BREATHER	1	1						
41	2	129150-03070	BAFFLE, BREATHER	1	1						
42	2	129150-03080	PLATE, BAFFLE	1	1						
44	2	119865-11310	GASKET, BONNET	1	1						
46	2	24341-000500	O-RING, 1AS50.0	1	1						
47	2	26106-080162	BOLT, M8X 16 PLATED	2	2						
48	1	124160-11360	KNOB	3	3						
49	1	24311-000120	O-RING, 1AP12.0	3	3						
50	1	124160-01751	COVER, FILLER	1	1						
51	1	24311-000320	O-RING, 1AP32.0	1	1						

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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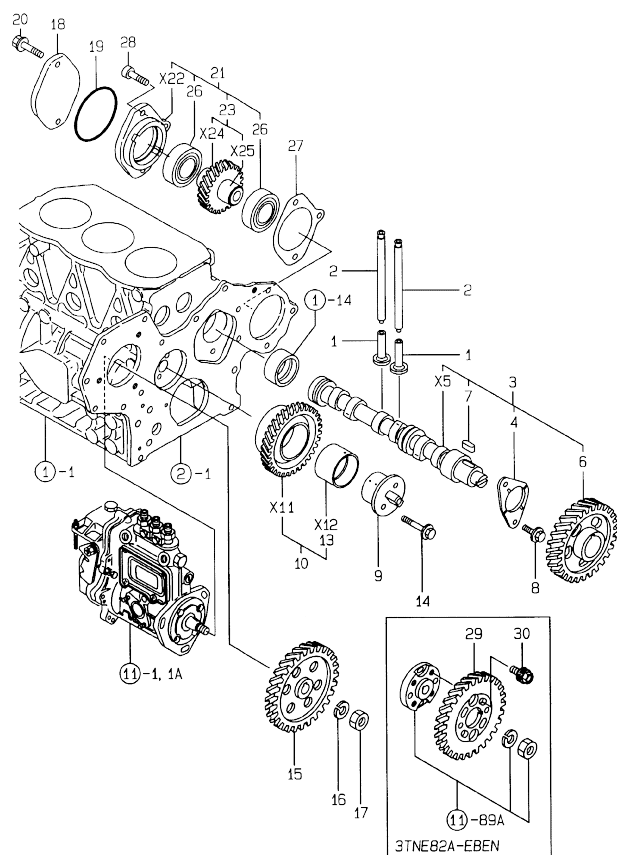
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119813-12110	GASKET, MANIFOLD	1	1						
2	1	119813-12120	MANIFOLD, AIR INTAKE	1	1						
3	1	26106-080252	BOLT, M8X 25 PLATED	6	6						
4	1	129120-77501	HEATER	1	1						
5	1	129150-77511	GASKET	1	1						
6	1	26106-080352	BOLT, M8X 35 PLATED	4	4						

LOOSE PART



No.	Lev.	Parts No.	Description	(A)=3TNE82A-BEN (B)=3TNE82A-EBEN (C)=		(D)= (E)= (F)=				Q'ty	I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	119810-13100	MANIFOLD, EXHAUST	1	1							
2	1	119810-13110	GASKET	1	1							
3	1	26366-080002	NUT, M8	2	2							
4	1	119131-18320	STUD, M8X22	4	4							
5	1	26106-080602	BOLT, M8X 60 PLATED	4	4							
6	1	26216-080602	STUD, M8X 60	2	2							
7	1	124701-11911	GASKET, SILENCER	1	1							

7. CAMSHAFT & DRIVING GEAR



Remarks
(1) REPAIR PART.

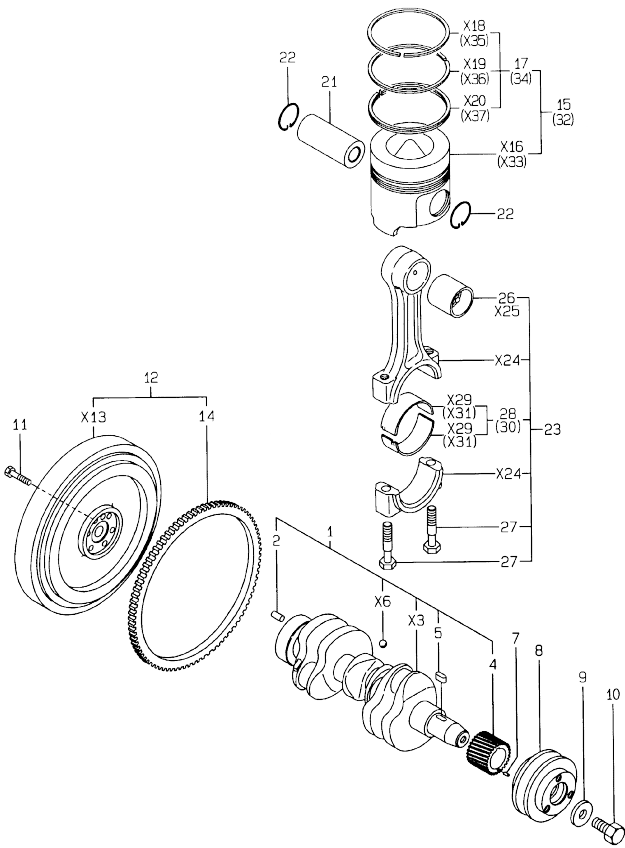
				(A)=3TNE82A-BEN (B)=3TNE82A-EBEN (C)=			(D)= (E)= (F)=	Qty				I	R
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)				
1	1	129150-14200	TAPPET	6	6								
2	1	119810-14400	ROD, PUSH	6	6								
3	1	119810-14580	CAMSHAFT ASSY	1	1								
4	2	129150-02450	BEARING, THRUST	1	1								
6	2	129150-14101	GEAR, CAMSHAFT	1	1								
7	2	22512-070140	KEY, 7X 14	1	1								
8	1	26106-080142	BOLT, M8X 14 PLATED	2	2								
9	1	129100-25061	SHAFT, IDLE	1	1								
10	1	129150-25101	GEAR ASSY, IDLE	1	1								
13	2	129150-25920	BUSH, IDLE GEAR	1	1								1
14	1	26106-080452	BOLT, M8X 45 PLATED	2	2								
15	1	129150-25900	GEAR, PUMP	1									
16	1	22217-120000	WASHER, SPRING 12	1									
17	1	26716-120002	NUT, M12	1									
18	1	121023-26070	COVER	1	1								
19	1	24321-000850	O-RING, 1AG85.0	1	1								
20	1	26106-100452	BOLT, M10X 45 PLATED	2	2								
21	1	129484-26200	DRIVE ASSY, PUMP	1	1								
23	2	129484-26210	GEAR ASSY	1	1								
26	2	24105-060064	BEARING, BALL 6006Z	2	2								
27	1	171353-26081	GASKET	1	1								
28	1	26450-080282	BOLT, M8X 28	1	1								
29	1	129150-25931	GEAR, PUMP	1									
30	1	129150-25301	BOLT	4									

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:Qty Change

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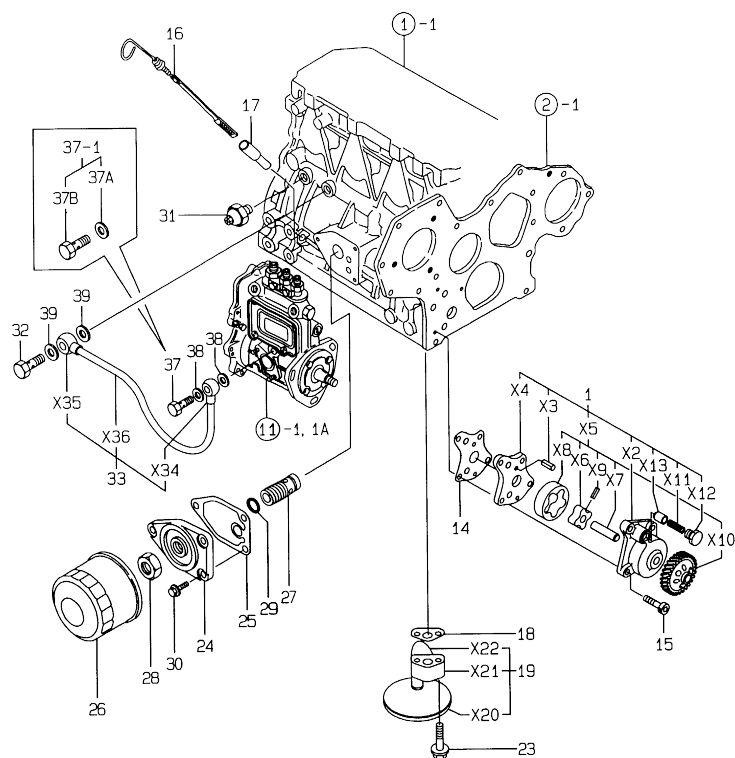
Fig.8. CRANKSHAFT & PISTON

8.CRANKSHAFT & PISTON



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119813-21000	CRANKSHAFT ASSY	1	1						
2	2	129100-01580	PIN, M8X16	1	1						
4	2	129150-21200	GEAR, CRANKSHAFT	1	1						
5	2	22512-070140	KEY, 7X 14	1	1						
7	1	22351-040010	PIN, SPRING 4.0X10	1	1						
8	1	171301-21650	V-PULLEY	1	1						
9	1	129795-21661	WASHER	1	1						
10	1	121850-21680	BOLT	1	1						
11	1	121111-21501	BOLT, FLYWHEEL	6	6						
12	1	119840-21590	FLYWHEEL ASSY	1	1						
14	2	119865-21600	GEAR, RING	1	1						
15	1	119813-22080	PISTON ASSY	3	3						
17	2	119813-22500	RING SET, PISTON	3	3						
21	1	119813-22300	PIN, PISTON	3	3						
22	1	129792-22400	CIRCLIP, 23	6	6						
23	1	719810-23100	ROD ASSY, CONNECTING	3	3						
26	2	119810-23910	BEARING, PISTON PIN	3	3						1
27	2	119810-23200	BOLT, CONNECTING ROD	6	6						
28	2	119810-23600	BEARING, CRANK PIN	3	3						
30	1	119810-23610	BEARING, 0.25 US	3	3						2
32	1	119813-22900	PISTON ASSY, 0.25 OS	3	3						3
34	2	129003-22950	RING SET, 0.25 OS	3	3						3

9.LUB.OIL SYSTEM



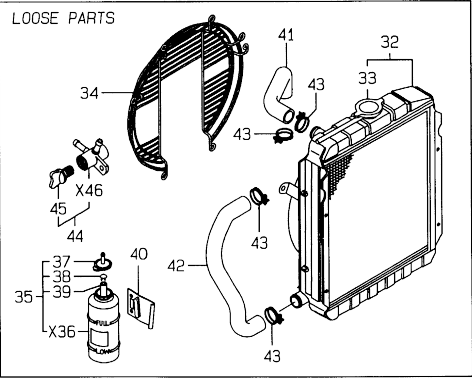
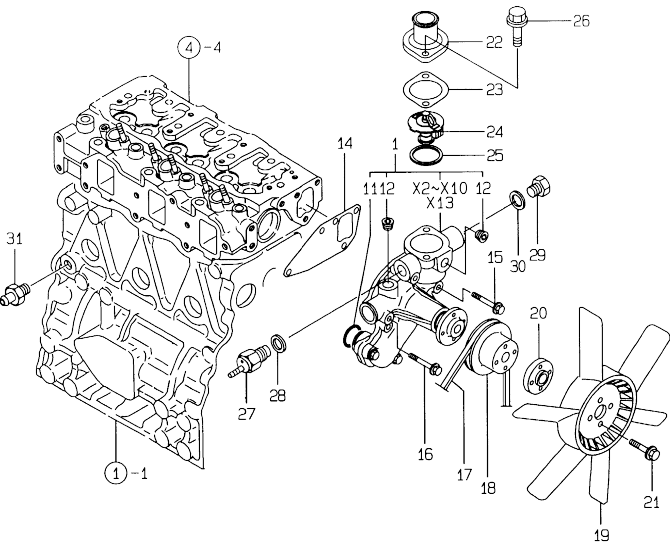
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129001-32001	PUMP ASSY, OIL	1	1						
14	1	129150-32020	GASKET, PUMP	1	1						
15	1	26450-060252	BOLT, M6X 25	4	4						
16	1	119932-34800	DIPSTICK, OIL	1	1						
17	1	121520-34810	GUIDE, DIPSTICK	1	1						
18	1	129150-35041	GASKET	1	1						
19	1	119810-35300	PIPE ASSY, OIL INLET	1	1						
23	1	26106-080352	BOLT, M8X 35 PLATED	2	2						
24	1	129150-35101	BRACKET, STRAINER	1	1						
25	1	129150-35111	GASKET	1	1						
26	1	129150-35151	FILTER, D80XL80	1	1						
27	1	129001-35300	BOLT, FILTER	1	1						
28	1	129150-35350	NUT	1	1						
29	1	24311-000160	O-RING, 1AP16.0	1	1						
30	1	26106-080202	BOLT, M8X 20 PLATED	3	3						
31	1	121252-39450	SWITCH, 0.5KG	1	1						
32	1	124160-39140	BOLT, PIPE JOINT M10	1	1						
33	1	119810-39200	PIPE ASSY, OIL	1	1						
37	1	124550-59820	BOLT, PIPE JOINT M8	1							
37-1	1	124550-59830 (A=EXXX)	BOLT ASSY, JOINT M8	1	1						N
37A	2	22190-080003 (A=EXXX)	WASHER, SEAL 8	1	1						W
37A-1	2	22190-080002 (A=EXXX)	WASHER, SEAL 6	1	1						N
37B	2	124550-59820 (A=EXXX)	BOLT, PIPE JOINT M8	1	1						W
38	1	22190-080002	WASHER, SEAL 6	2							
38-1	1	22190-080002 (A=EXXX)	WASHER, SEAL 6	1	1						K
39	1	23414-100000	GASKET, 10X1.0	2							
39-1	1	22190-100002 (A=EXXX)	WASHER, SEAL 10	2	2						N

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.10. COOLING WATER SYSTEM

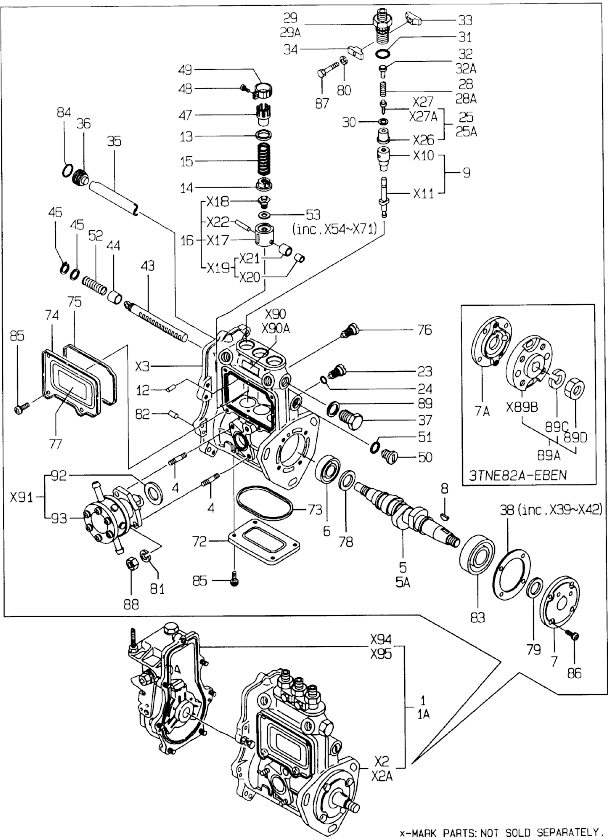
10.COOLING WATER SYSTEM



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119810-42001	PUMP ASSY, WATER	1	1						
11	2	129150-42320	O-RING	1	1						
12	2	23871-030000	PLUG, R03	2							
12-1	2	23876-030000	PLUG, R03	2	2						N
(A=E45130)											
14	1	129150-42020	GASKET, WATER PUMP	1							
14-1	1	129486-42050	GASKET, WATER PUMP	1	1						N
(A=E45130)											
15	1	26106-080352	BOLT, M8X 35 PLATED	1	1						
16	1	26106-080552	BOLT, M8X 55 PLATED	3	3						
17	1	119865-42290	V-BELT, A36.5	1	1						
18	1	129155-42350	V-PULLEY	1	1						
19	1	124251-44740	PLATE	1	1						
20	1	124574-44761	SPACER, FAN	1	1						
21	1	26106-060202	BOLT, M6X 20 PLATED	4	4						
22	1	129350-49530	COVER, THERMOSTAT	1	1						
23	1	129795-49551	GASKET	1	1						
24	1	129155-49800	THERMOSTAT, 71	1	1						
25	1	129150-49811	GASKET, THERMOSTAT	1	1						
26	1	26106-080202	BOLT, M8X 20 PLATED	2							
26-1	1	26106-080222	BOLT, M8X 22 PLATED	2	2						N
(A=E45130)											
27	1	121250-44901	SWITCH, 110	1	1						
28	1	124465-44950	GASKET, 16	1	1						
29	1	121450-42450	PLUG, M16	1	1						
30	1	124465-44950	GASKET, 16	1	1						
31	1	121550-49111	JOINT, PT1/4	1	1						
32	1	119621-44500	RADIATOR	1	1						
33	2	123682-44210	CAP, RADIATOR	1	1						
34	1	119621-44560	GUARD	1	1						
35	1	124450-44510	TANK ASSY, SUB	1	1						
37	2	124450-44530	CAP	1	1						
38	2	124450-44560	RETAINER	1	1						
39	2	23061-070230	PIPE, 7X 230	1	1						
40	1	121256-44600	BRACKET, SUB TANK	1	1						
41	1	171301-49010	PIPE, WATER	1	1						
42	1	171301-49020	PIPE, WATER	1	1						
43	1	23010-038000	CLAMP, 38	4	4						
44	1	129150-49100	COCK ASSY, 3-WAY	1	1						
45	2	129150-49080	COCK, DRAIN	1	1						

Fig.11. FUEL INJECTION PUMP

11.FUEL INJECTION PUMP

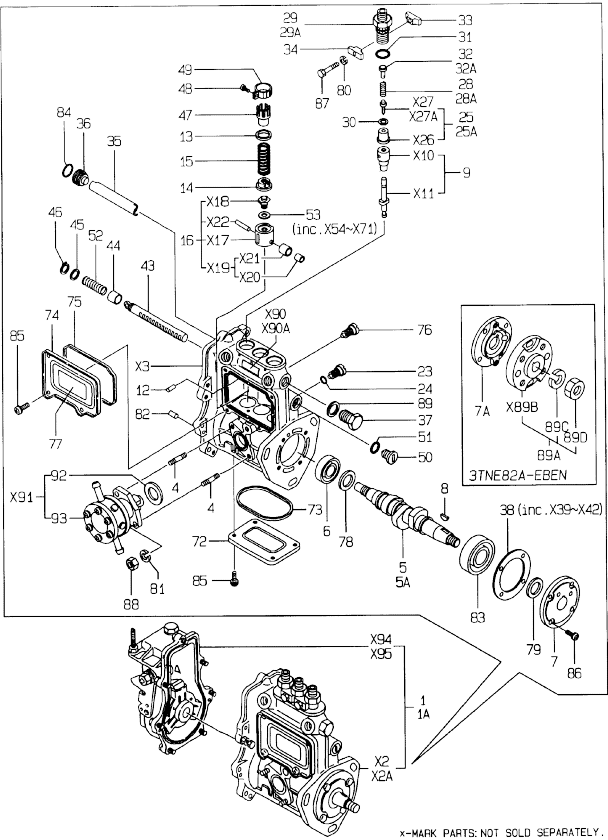


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719819-51380	PUMP ASSY, INJECTION	1							1
1A	1	719823-51460	PUMP ASSY, INJECTION		1						1
4	3	129155-51020	STUD	2	2						
5	3	119810-51040	CAMSHAFT	1							
5A	3	129171-51040	CAMSHAFT		1						
6	3	129155-51050	BEARING, 17BM001D	1	1						
7	3	129155-51060	SUPPORT, CAMSHAFT	1							
7A	3	129208-51060	SUPPORT		1						
8	3	122710-51090	KEY	1	1						
9	3	129108-51100	PLUNGER ASSY	3	3						
12	3	129155-51140	PIN	3	3						
13	3	174307-51170	RETAINER, SPRING A	3	3						
14	3	129155-51180	RETAINER, SPRING	3	3						
15	3	124950-51190	SPRING, PLUNGER	3	3						
16	3	129155-51200	TAPPET ASSY	3	3						
23	3	129155-51270	STOPPER, TAPPET	3	3						
24	3	129155-51280	O-RING, S6	3	3						
25	3	129100-51300	VALVE ASSY, DELIVERY	3							
25A	3	129208-51300	VALVE ASSY, DELIVERY		3						
28	3	129155-51320	SPRING, DELIVERY	3							
28A	3	129573-51330	SPRING, DELIVERY		3						
29	3	129155-51340	RETAINER	3							
29A	3	129573-51340	RETAINER		3						
30	3	124550-51350	GASKET, DELIVERY	3	3						
31	3	124550-51370	O-RING	3	3						
32	3	129155-51370	STOPPER, VALVE	3							
32A	3	129573-51370	STOPPER, VALVE		3						
33	3	129155-51380	STOPPER	2	2						
34	3	129155-51390	STOPPER	2	2						
35	3	129155-51400	DEFLECTOR	1	1						
36	3	129155-51410	BOLT	1	1						
37	3	129155-51420	PLUG, M16	1	1						
38	3	129155-51450	SHIM SET, ADJUSTING	1	1						
43	3	129155-51500	RACK, CONTROL	1	1						
44	3	129155-51521	BUSH, RACK	1	1						
45	3	129155-51530	SPACER	1	1						
46	3	129155-51540	CIRCLIP	1	1						
47	3	129155-51550	PINION, CONTROL	3	3						
48	3	122117-51560	SCREW	3	3						
49	3	174307-51560	PINION	3	3						
50	3	129155-51570	PLUG, M12	1	1						
51	3	129155-51580	O-RING	1	1						
52	3	129155-51591	SPRING, RACK	1	1						
53	3	129155-51600	SHIM SET, ADJUSTING	3	3						
72	3	129155-51700	COVER	1							
72-1	3	129155-51701	COVER	1	1						N
(A=E45130)											
73	3	129155-51710	GASKET	1							
73-1	3	129155-51711	GASKET	1	1						N
(A=E45130)											
74	3	129155-51750	COVER	1							

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.11. FUEL INJECTION PUMP

11.FUEL INJECTION PUMP

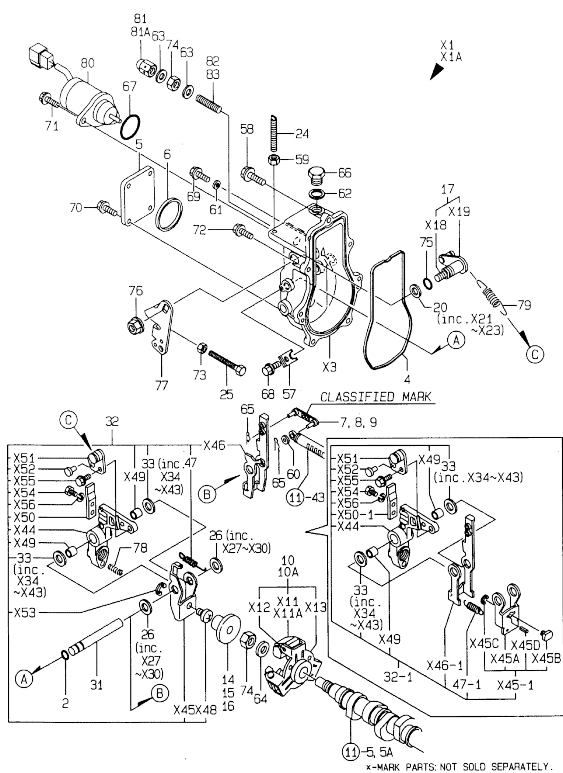


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
74-1	3	129155-51751 (A=E45130)	COVER	1	1						N
75	3	129155-51760	GASKET	1	1						
76	3	129155-51790	STOOPER, RACK	1	1						
77	3	129156-51910	LABEL, CAUTION	1	1						
78	3	129155-51930	SPACER, T=3.25	1	1						
79	3	129155-51940	SPACER, T=1.5	1	1						
80	3	22217-050000	WASHER, SPRING 5	2	2						
81	3	22217-060000	WASHER, SPRING 6	2	2						
82	3	22351-050010	PIN, SPRING 5.0X10	2	2						
83	3	24101-063034	BEARING, BALL 6303	1	1						
84	3	24341-000160	O-RING, 1AS16.0	1	1						
85	3	26022-050102	SCREW, M5X10	8							
85-1	3	26022-050122 (A=E45130)	SCREW, M5X12	8	8						N
86	3	26022-060162	SCREW, M6X16	4	4						
87	3	26116-050302	BOLT, M5X 30 PLATED	2	2						
88	3	26716-060002	NUT, M6	2	2						
89	3	22190-160002	WASHER, SEAL 16	1	1						
89A	3	129208-54500	FLANGE ASSY	1							
89C	4	22217-120000	WASHER, SPRING 12	1							
89D	4	26716-120002	NUT, M12	1							
92	3	129155-52050	GASKET	1	1						
93	3	129100-52100	PUMP ASSY, FUEL FEED	1	1						

Remarks
(1) GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1,1A).

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	1						
4	3	129052-61050	GASKET	1	1						
5	3	129052-61060	COVER, GOVERNOR CASE	1	1						
6	3	129052-61070	GASKET	1	1						
7	3	129155-61120	LINK, L=30 MARK 0	1	1						1
8	3	129155-61130	LINK, L=31 MARK 1	1	1						1
9	3	129155-61140	LINK, L=30.5 MARK 05	1	1						1
10	3	129155-61201	WEIGHT ASSY,GOVERNOR	1							
10-1	3	129155-61202	WEIGHT ASSY,GOVERNOR	1							R
(A=E45130)											
10A	3	129486-61201	WEIGHT ASSY,GOVERNOR		1						
14	3	129155-61341	SLEEVE	1	1						2
15	3	129155-61350	SLEEVE, L=24.9	1	1						2
16	3	129155-61360	SLEEVE, L=25.2	1	1						2
17	3	129100-61400	SHAFT ASSY	1	1						
20	3	129155-61430	SPACER	1	1						
24	3	129155-61450	BOLT, LIMITER	1	1						
25	3	129155-61460	BOLT, IDLE	1	1						
26	3	129155-61480	SPACER ASSY	2	2						
31	3	129052-61390	SHAFT	1	1						
32	3	129052-61500	LEVER ASSY, GOVERNOR	1							
32-1	3	119908-61501	LEVER ASSY, GOVERNOR	1	1						R
(A=E45130)											
33	4	174307-51700	SHIM SET	2	2						
47	4	129052-61540	SPRING, SET	1							S
47-1	4	129486-61540	SPRING, SET	1	1						
(A=SEE ILLST)											
57	3	119660-61901	RETAINER, SHAFT	1	1						
58	3	129155-61950	BOLT	1	1						
59	3	124550-66370	NUT, M6	1	1						
60	3	22117-040000	WASHER, 4	1	1						
61	3	22190-060002	WASHER, SEAL 6	1							
61-1	3	22190-060003	SEAL WASER 6	1	1						N
(A=E45130)											
62	3	22190-100002	WASHER, SEAL 10	1	1						
63	3	22190-120002	WASHER, SEAL 12	2	2						
64	3	22287-120000	WASHER, 12	1	1						
65	3	22372-040000	PIN, SNAP 4	2	2						
66	3	23887-100002	PLUG, 10	1	1						
67	3	24341-000280	O-RING, 1AS28.0	1	1						
67-1	3	158552-61900	O-RING	1	1						N
(A=E45130) (B=E45130)											
68	3	26106-060102	BOLT, M6X 10 PLATED	1	1						
69	3	26106-060102	BOLT, M6X 10 PLATED	1	1						
70	3	26106-060102	BOLT, M6X 10 PLATED	4	4						
71	3	26106-060142	BOLT, M6X 14 PLATED	2	2						
72	3	26106-060202	BOLT, M6X 20 PLATED	6	6						
73	3	26756-060002	NUT, LOCK M6	1	1						
74	3	26776-120002	NUT, LOCK M12	2	2						
75	3	129155-61830	O-RING, S10	1	1						
76	2	26366-080002	NUT, M8	1	1						

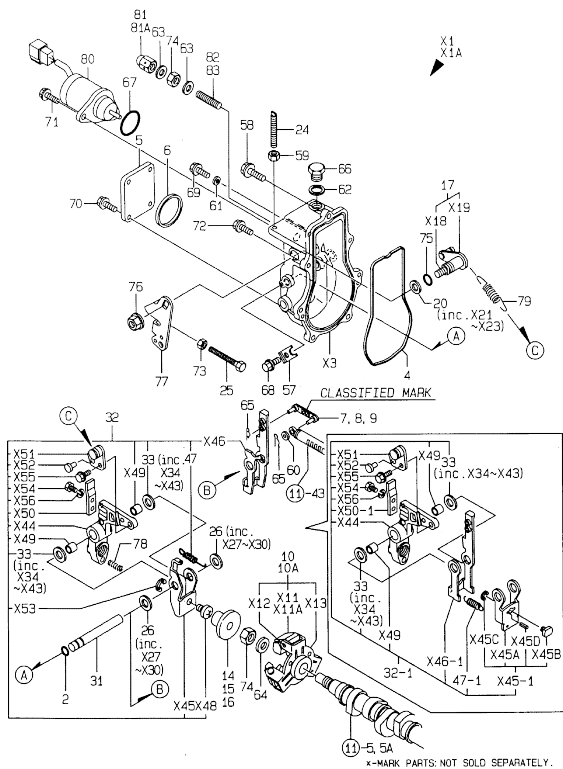
N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.12. GOVERNOR

12. GOVERNOR

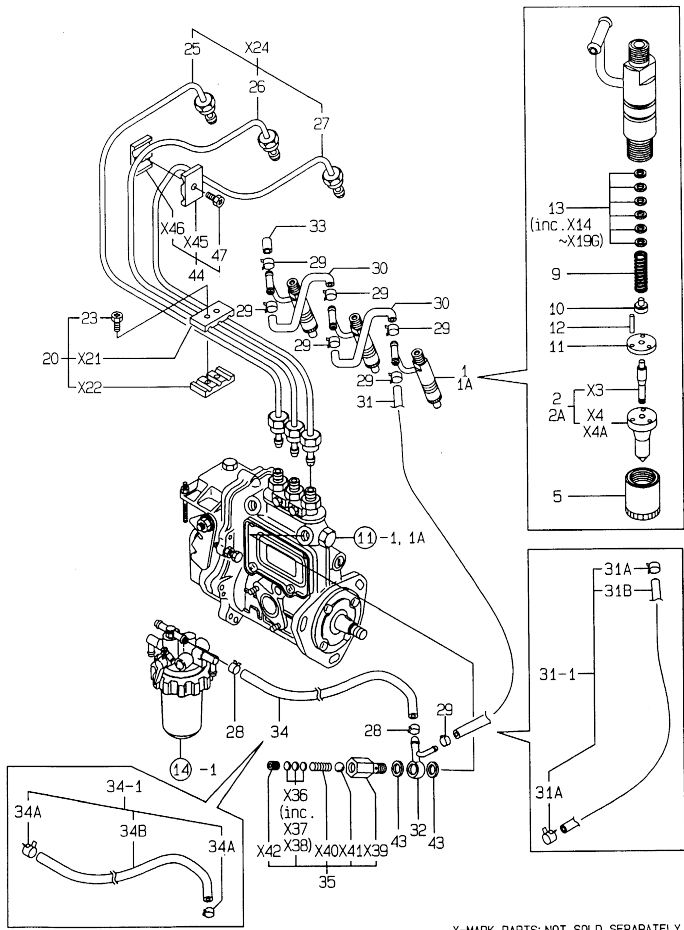


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
77	2	129100-61440	LEVER, CONTROL	1	1						
78	2	129100-61650	SPRING, CONTROLLER	1	1						
79	2	171353-61700	SPRING, GOVERNOR	1	1						
80	2	119653-77950	SOLENOID, STOP	1	1						
81	2	26687-120002	NUT, CAP M12	1							
81A	2	129100-61930	NUT, CAP		1						
82	2	129155-61470	BOLT, CONTROL	1							
83	2	120323-61470	BOLT, CONTROL		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).

Fig.13. FUEL INJECTION VALVE

13.FUEL INJECTION VALVE

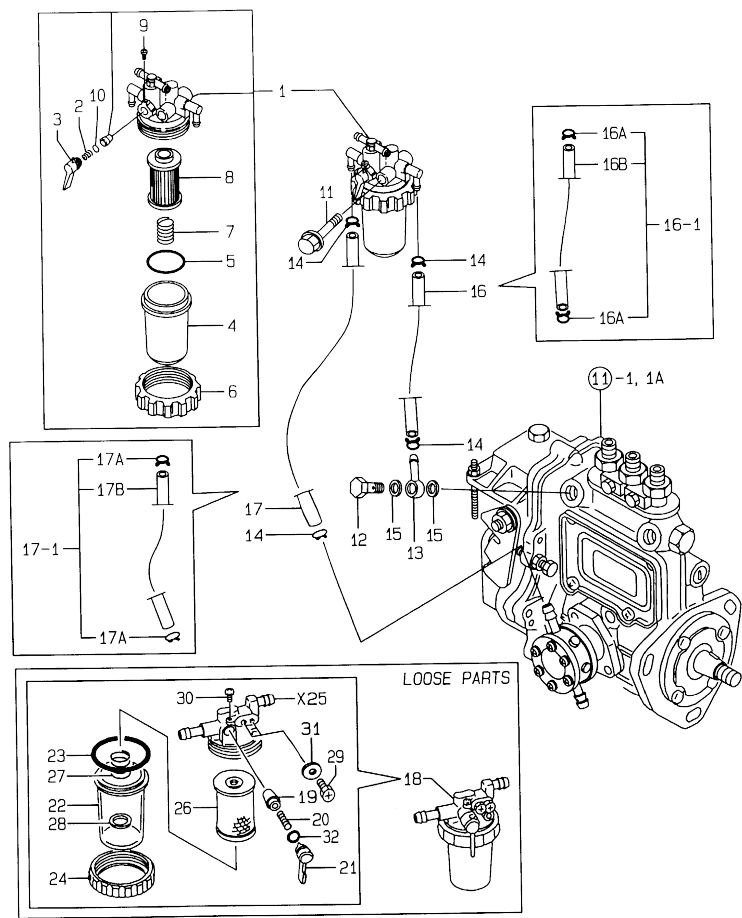


X-MARK PARTS: NOT SOLD SEPARATELY.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729500-53200	VALVE ASSY,INJECTION	3							
1A	1	729609-53200	VALVE ASSY,INJECTION		3						
2	2	129500-53050	VALVE ASSY,INJECTION	3							
2A	2	129609-53100	VALVE ASSY,INJECTION		3						
5	2	114250-53080	NUT, NOZZLE D16.95	3	3						
9	2	114250-53120	SPRING, NOZZLE	3	3						
10	2	114250-53130	SEAT, SPRING	3	3						
11	2	114250-53140	PLATE	3	3						
12	2	114250-53210	PIN	6	6						
13	2	114250-53400	SHIM SET	3	3						
20	1	129150-59120	RETAINER, PIPE	1	1						
23	2	129150-59131	BOLT, M4X14	2	2						
25	2	119813-59811	PIPE ASSY, INJECTION	1							R
25-1	2	119813-59812	PIPE ASSY, INJECTION	1	1						
(A=E45130)											
26	2	119813-59821	PIPE ASSY, INJECTION	1	1						
27	2	119813-59831	PIPE ASSY, INJECTION	1	1						
28	1	124766-59050	CLIP, HOSE 12	2							Z
(A=E45130)											
29	1	124066-59100	CLIP, HOSE 8	7							
29-1	1	124066-59100	CLIP, HOSE 8	5	5						K
(A=E000)											
30	1	121250-59550	PIPE, FUEL D8X120	2	2						
31	1	119840-59560	PIPE, FUEL RETURN	1							
31-1	1	119840-59500	PIPE ASSY, RETURN	1	1						N
(A=E000)											
31A	2	124066-59100	CLIP, HOSE 8	2	2						W
31B	2	119840-59560	PIPE, FUEL RETURN	1	1						W
(A=E000)											
32	1	119840-59570	JOINT	1	1						
33	1	129150-59580	CAP	1	1						
34	1	105025-59750	PIPE, FUEL	1							
34-1	1	129210-59130	PIPE ASSY, FUEL	1	1						N
(A=E45130)											
34A	2	124766-59050	CLIP, HOSE 12	2	2						W
(A=E45130)											
34B	2	105025-59750	PIPE, FUEL	1	1						W
(A=E45130)											
35	1	129100-59951	VALVE ASSY, CHECK	1	1						
43	1	23414-120000	GASKET, 12X1.0	2							
43-1	1	22190-120002	WASHER, SEAL 12	2	2						N
(A=E45130)											
44	1	119305-59120	RETAINER, PIPE	1	1						
47	2	129150-59131	BOLT, M4X14	1	1						

Fig.14. FUEL LINE

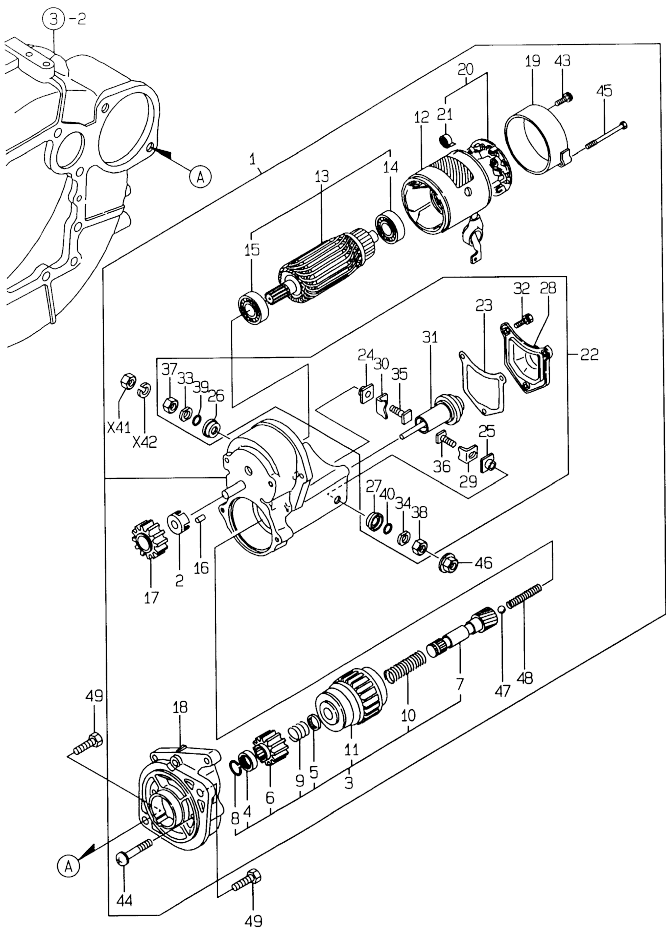
14.FUEL LINE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119833-55620	FILTER ASSY, FUEL	1	1						
2	2	104200-55330	SPRING, VALVE	1	1						
3	2	119810-55340	LEVER	1	1						
4	2	121254-55510	COVER	1	1						
5	2	102103-55520	O-RING	1	1						
6	2	110250-55610	RING, RETAINING	1	1						
7	2	121250-55620	SPRING	1	1						
8	2	119810-55650	ELEMENT	1	1						
9	2	104200-55750	SCREW, M4	1	1						
10	2	24311-240100	O-RING, 1AP10A	1	1						
11	1	26014-080702	BOLT, M8X 70	1	1						
12	1	103854-39140	BOLT, PIPE JOINT	1	1						
13	1	101304-59020	JOINT, PIPE 12	1	1						
14	1	124766-59050	CLIP, HOSE 12	4							Z
(A=E45130)											
15	1	22190-120002	WASHER, SEAL 12	2	2						
16	1	129555-59510	PIPE, D13/7.5X180	1							
16-1	1	129210-59040	PIPE ASSY, FUEL	1	1						N
(A=E45130)											
16A	2	124766-59050	CLIP, HOSE 12	2	2						W
(A=E45130)											
16B	2	129555-59510	PIPE, D13/7.5X180	1	1						W
(A=E45130)											
17	1	105025-59750	PIPE, FUEL	1							
17-1	1	129210-59130	PIPE ASSY, FUEL	1	1						N
(A=E45130)											
17A	2	124766-59050	CLIP, HOSE 12	2	2						W
(A=E45130)											
17B	2	105025-59750	PIPE, FUEL	1	1						W
(A=E45130)											
18	1	121850-55800	SEPARATOR ASSY, WATER	1	1						
19	2	104200-55321	VALVE, TAPER	1	1						
20	2	104200-55330	SPRING, VALVE	1	1						
21	2	104200-55341	HANDLE	1	1						
22	2	121254-55510	COVER	1	1						
23	2	102103-55520	O-RING	1	1						
24	2	110250-55610	RING, RETAINING	1	1						
26	2	121850-55710	SCREEN	1	1						
27	2	121257-55720	SPRING	1	1						
28	2	121257-55731	FLOAT	1	1						
29	2	101720-55750	PLUG, 6	2	2						
30	2	104200-55750	SCREW, M4	1	1						
31	2	23418-060000	GASKET, 6X1.0	2	2						
32	2	24311-240100	O-RING, 1AP10A	1	1						

Fig.15. STARTING MOTOR

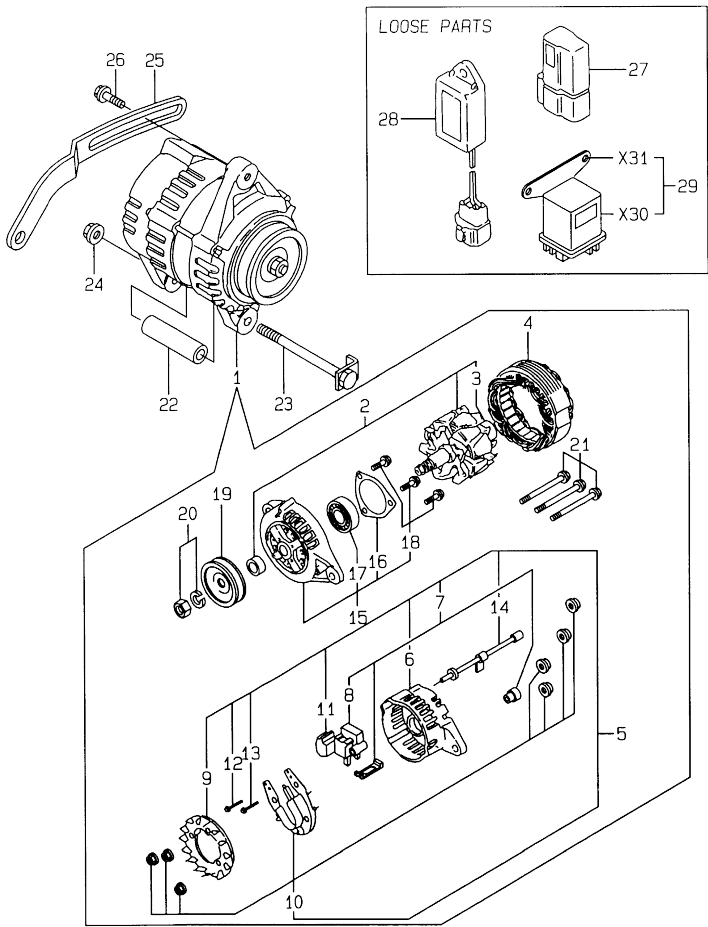
15.STARTING MOTOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124520-77011	STARTER	1	1						
2	2	X0280630011	RETAINER	1	1						
3	2	X0280992761	CLUTCH KIT	1	1						
4	3	X0280210230	NUT	1	1						
5	3	X0283270140	RETAINER	1	1						
6	3	X0283712350	PINION, STARTER	1	1						
7	3	X0283810040	SHAFT	1	1						
8	3	X9490721080	RING	1	1						
9	3	X9491703371	SPRING, COIL	1	1						
10	3	X9491704260	SPRING	1	1						
11	3	121120-77930	CASE ASSY, STARTER	1	1						
12	2	X0281003751	YOKE ASSY	1	1						
13	2	X0282001531	ARMATURE ASSY	1	1						
14	3	X9491001360	BEARING	1	1						
15	3	X9491001860	BALL BEARING	1	1						
16	2	X0283060061	ROLLER	5	5						
17	2	X0283711420	PINION	1	1						
18	2	X0284004910	HOUSING, STARTER	1	1						
19	2	X0285040631	FRAME ASSY	1	1						
20	2	X0285100460	HOLDER ASSY, BRUSH	1	1						
21	3	X9491730461	SPRING	4	4						
22	2	X0534006460	SWITCH, MAGNETIC	1	1						
23	3	X0534040320	GASKET	1	1						
24	3	X0534490120	BUSH	1	1						
25	3	X0534490120	BUSH	1	1						
26	3	X0534490230	BUSH	1	1						
27	3	X0534490230	BUSH	1	1						
28	3	X0535050620	COVER	1	1						
29	3	X0535130241	PLATE (B)	1	1						
30	3	X0535130320	PLATE (A)	1	1						
31	3	X0536600401	PLUNGER	1	1						
32	3	X9151005141	BOLT W/WASHER	3	3						
33	3	X9490170900	WASHER	1	1						
34	3	X9490170900	WASHER	1	1						
35	3	X9490441303	BOLT	1	1						
36	3	X9490441312	BOLT	1	1						
37	3	X9490502820	NUT	1	1						
38	3	X9490502820	NUT	1	1						
39	3	X9491402100	O-RING	1	1						
40	3	X9491402100	O-RING	1	1						
43	2	X9490071810	SCREW W/WASHER	2	2						
44	2	X9490071970	SCREW W/WASHER	2	2						
45	2	X9490423330	BOLT W/WASHER	2							
45-1	2	X9490471500	BOLT W/WASHER	2	2						N
(A)=XXXX											
46	2	X9490561370	NUT	1	1						
47	2	X9491200240	BALL	1	1						
48	2	X9491703380	SPRING	1	1						
49	1	26116-120252	BOLT, M12X 25 PLATED	2	2						

Fig.16. GENERATOR

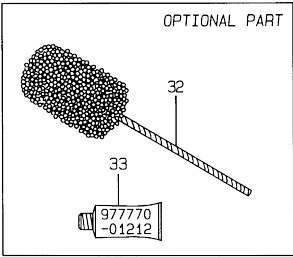
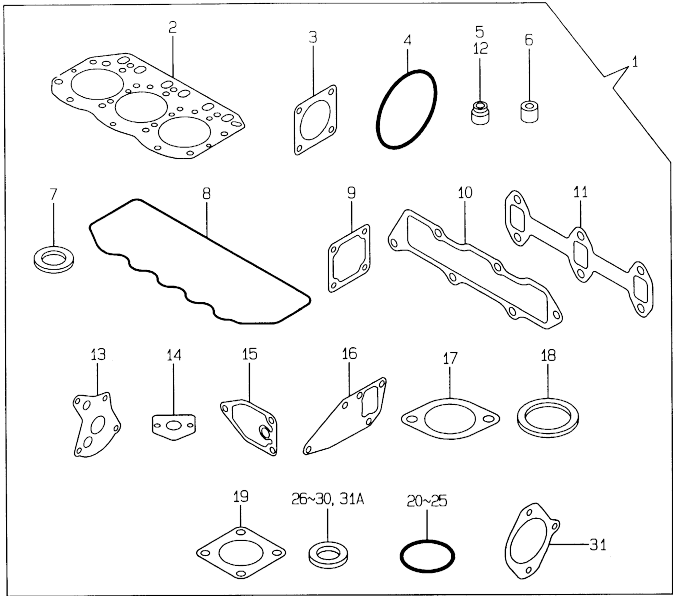
16. GENERATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119836-77200	GENERATOR	1	1						
2	2	119836-77700	ROTOR ASSY	1	1						
3	3	119836-77850	BALL BEARING	1	1						
4	2	119836-77710	STATOR ASSY	1	1						
5	2	119836-77721	COVER ASSY, REAR	1	1						
6	3	119836-77730	COVER, REAR	1	1						
7	3	119836-77741	BRUSH ASSY,REGULATOR	1	1						
8	4	119836-77750	BRUSH ASSY	1	1						
9	3	119836-77760	GUIDE, FAN SIDE	1	1						
10	3	119836-77770	DIODE ASSY	1	1						
11	3	119836-77780	CONDENSER	1	1						
12	3	119836-77871	BOLT (1)	1	1						
13	3	119836-77880	BOLT (2)	1	1						
14	3	119836-77890	WIRE ASSY, LEAD	1	1						
15	2	119836-77790	COVER ASSY, FRONT	1	1						
16	3	119836-77800	RETAINER, BEARING	1	1						
17	3	119836-77840	BALL BEARING	1	1						
18	3	119836-77860	SCREW KID	1	1						
19	2	119836-77810	PULLEY	1	1						
20	2	119836-77820	NUT ASSY, PULLEY	1	1						
21	2	119836-77830	BOLT, THROUGH	1	1						
22	1	119820-77340	PIECE, DISTANCE	1	1						
23	1	129136-77251	BOLT, M8X110	1	1						
24	1	26366-080002	NUT, M8	1							
24-1	1	129612-77260	NUT, ALTERNATOR	1	1						R
(A=E000X)											
25	1	119823-77330	ADJUSTER	1	1						
26	1	119810-77340	BOLT, ADJUSTER	1	1						
27	1	119643-66900	DIODE	1	1						
28	1	119632-77920	TIMER	1							
28-1	1	129211-77920	TIMER	1	1						N
(A=E45130)											
29	1	119650-77910	RELAY ASSY, GLOW	1	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	719812-92640	GASKET SET	1							1
1-1	1	719812-92641	GASKET SET	1	1					N	1
(A=E45130)											
2	2	119812-01330	GASKET, HEAD	1	1						
3	2	124240-01883	GASKET	1							Z
(A=E45130)											
4	2	121850-51960	O-RING	1	1						
5	2	124160-11340	SEAL, VALVE STEM	3	3						
6	2	119625-11870	PROTECTOR, NOZZLE	3	3						
7	2	119625-11880	SEAT, NOZZLE	3	3						
8	2	119865-11310	GASKET, BONNET	1	1						
9	2	129150-77511	GASKET	1	1						
10	2	119813-12110	GASKET, MANIFOLD	1	1						
11	2	119810-13110	GASKET	1	1						
12	2	124950-11340	SEAL, VALVE STEM	3	3						
13	2	129150-32020	GASKET, PUMP	1	1						
14	2	129150-35041	GASKET	1	1						
15	2	129150-35111	GASKET	1	1						
16	2	129150-42020	GASKET, WATER PUMP	1							
16-1	2	129486-42050	GASKET, WATER PUMP	1	1						N
(A=E45130)											
17	2	129795-49551	GASKET	1	1						
18	2	129150-49811	GASKET, THERMOSTAT	1	1						
19	2	124701-11911	GASKET, SILENCER	1	1						
20	2	24311-000120	O-RING, 1AP12.0	3	3						
21	2	24311-000160	O-RING, 1AP16.0	3	3						
22	2	24311-000320	O-RING, 1AP32.0	2	2						
23	2	24341-000500	O-RING, 1AS50.0	1	1						
24	2	24341-000240	O-RING, 1AS24.0	1	1						
25	2	24321-000850	O-RING, 1AG85.0	1	1						
26	2	124465-44950	GASKET, 16	2	2						
27	2	23414-120000	GASKET, 12X1.0	2							
27-1	2	22190-120002	WASHER, SEAL 12	2	2						N
(A=E45130)											
28	2	22190-120002	WASHER, SEAL 12	2	2						
29	2	22190-080002	WASHER, SEAL 6	7							
29-1	2	22190-080002	WASHER, SEAL 6	2	2						K
(A=E45130)											
30	2	23414-100000	GASKET, 10X1.0	2							
30-1	2	22190-100002	WASHER, SEAL 10	2	2						N
(A=E45130)											
31	2	171353-26081	GASKET	1	1						
31A	2	22190-080003	WASHER, SEAL 8	5	5						W
(A=E45130)											
32	1	129400-92420	FLEX HORN	1	1						1
33	1	977770-01212	GASKET, LIQUID	1	1						1

Remarks

(1) OPTIONAL PART.

Parts No. Index

Parts No.	Fig. No.	Ref. No.
101304-59020	14	13
101720-55750	14	29
102103-55520	14	5
		23
103854-39140	14	12
104200-55321	14	19
104200-55330	14	2
		20
104200-55341	14	21
104200-55750	14	9
		30
104211-11180	4	14
104211-11370	4	18
105025-59750	13	34
		34 B
	14	17
		17 B
110250-55610	14	6
		24
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	4
119305-59120	13	44
119620-01750	3	3
119620-02020	1	11
119621-44500	10	32
119621-44560	10	34
119625-11870	4	19
	17	6
119625-11880	4	20
	17	7
119625-11900	4	21
119632-77920	16	28
119640-01640	3	8
119643-66900	16	27
119650-77910	16	29
119653-77950	12	80
119660-61901	12	57
119810-01200	1	21
119810-01730	3	6
119810-01770	3	7
119810-01780	3	16
119810-02800	1	15
119810-02870	1	23
119810-02930	1	18
119810-02940	1	26

Parts No.	Fig. No.	Ref. No.
119810-11100	4	11
119810-11110	4	12
119810-11120	4	13
119810-11240	4	24
119810-13100	6	1
119810-13110	6	2
	17	11
119810-14400	7	2
119810-14580	7	3
119810-23200	8	27
119810-23600	8	28
119810-23610	8	30
119810-23910	8	26
119810-35300	9	19
119810-39200	9	33
119810-42001	10	1
119810-51040	11	5
119810-55340	14	3
119810-55650	14	8
119810-77340	16	26
119812-01330	1	22
	17	2
119812-11700	4	4
119813-12110	5	1
	17	10
119813-12120	5	2
119813-21000	8	1
119813-22080	8	15
119813-22300	8	21
119813-22500	8	17
119813-22900	8	32
119813-59811	13	25
119813-59812	13	25 -1
119813-59821	13	26
119813-59831	13	27
119820-77340	16	22
119823-77330	16	25
119833-55620	14	1
119836-77200	16	1
119836-77700	16	2
119836-77710	16	4
119836-77721	16	5
119836-77730	16	6
119836-77741	16	7
119836-77750	16	8
119836-77760	16	9
119836-77770	16	10
119836-77780	16	11
119836-77790	16	15
119836-77800	16	16

Parts No.	Fig. No.	Ref. No.
119836-77810	16	19
119836-77820	16	20
119836-77830	16	21
119836-77840	16	17
119836-77850	16	3
119836-77860	16	18
119836-77871	16	12
119836-77880	16	13
119836-77890	16	14
119840-21590	8	12
119840-59500	13	31 -1
119840-59560	13	31
		31 B
119840-59570	13	32
119865-11210	4	23
119865-11310	4	44
	17	8
119865-21600	8	14
119865-42290	10	17
119908-61501	12	32 -1
119932-34800	9	16
120323-61470	12	83
121023-01550	2	23
121023-26070	7	18
121111-21501	8	11
121120-77930	15	11
121250-44901	10	27
121250-55620	14	7
121250-59550	13	30
121252-39450	9	31
121254-55510	14	4
		22
121256-44600	10	40
121257-55720	14	27
121257-55731	14	28
121450-01560	2	2
121450-42450	10	29
121520-34810	9	17
121550-49111	10	31
121850-21680	8	10
121850-51960	2	11
	17	4
121850-55710	14	26
121850-55800	14	18
122117-51560	11	48
122710-51090	11	8
123682-44210	10	33
124060-11800	4	7
124066-59100	13	29
		29 -1

Parts No.	Fig. No.	Ref. No.
124066-59100	13	31 A
124160-01751	2	6
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124160-01910	1	4
		5
124160-11340	4	16
	17	5
124160-11360	4	48
124160-39140	9	32
124240-01871	2	7
124240-01883	2	8
	17	3
124251-44740	10	19
124450-44510	10	35
124450-44530	10	37
124450-44560	10	38
124465-44950	10	28
		30
	17	26
124520-77011	15	1
124550-01590	2	16 -1
		17 -1
124550-51350	11	30
124550-51370	11	31
124550-59820	9	37
		37 B
124550-59830	9	37 -1
124550-66370	12	59
124574-44761	10	20
124701-11911	6	7
	17	19
124736-07900	4	2
124766-59050	13	28
		34 A
	14	14
		16 A
		17 A
124950-11340	4	17
	17	12
124950-51190	11	15
129001-01250	1	8 -1
129001-32001	9	1
129001-35300	9	27
129001-91840	2	21
129001-91841	2	21 -1
129003-22950	8	34
129052-61050	12	4
129052-61060	12	5
129052-61070	12	6
129052-61390	12	31

Parts No. Index

Parts No.	Fig. No.	Ref. No.
129052-61500	12	32
129052-61540	12	47
129100-01580	3	1
	13	
	8	2
129100-25061	7	9
129100-51300	11	25
129100-52100	11	93
129100-59951	13	35
129100-61400	12	17
129100-61440	12	77
129100-61650	12	78
129100-61930	12	81 A
129108-51100	11	9
129120-77501	5	4
129136-77251	16	23
129150-02450	7	4
129150-03020	4	40
129150-03070	4	41
129150-03080	4	42
129150-03090	4	1
129150-03100	2	10
129150-11230	4	31
129150-11280	4	29
129150-11750	4	33
129150-14101	7	6
129150-14200	7	1
129150-21200	8	4
129150-25101	7	10
129150-25301	7	30
129150-25900	7	15
129150-25920	7	13
129150-25931	7	29
129150-32020	9	14
	17	13
129150-35041	9	18
	17	14
129150-35101	9	24
129150-35111	9	25
	17	15
129150-35151	9	26
129150-35350	9	28
129150-42020	10	14
	17	16
129150-42320	10	11
129150-49080	10	45
129150-49100	10	44
129150-49811	10	25
	17	18
129150-59120	13	20

Parts No.	Fig. No.	Ref. No.
129150-59131	13	23
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129150-59580	13	33
129150-77511	5	5
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129155-11260	4	27
129155-11270	4	28
129155-42350	10	18
129155-49800	10	24
129155-51020	11	4
129155-51050	11	6
129155-51060	11	7
129155-51140	11	12
129155-51180	11	14
129155-51200	11	16
129155-51270	11	23
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
129155-51400	11	35
129155-51410	11	36
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
129155-51700	11	72
129155-51701	11	72 -1
129155-51710	11	73
129155-51711	11	73 -1
129155-51750	11	74
129155-51751	11	74 -1
129155-51760	11	75
129155-51790	11	76
129155-51930	11	78
129155-51940	11	79
129155-52050	11	92
129155-61120	12	7
129155-61130	12	8
129155-61140	12	9

Parts No.	Fig. No.	Ref. No.
129155-61201	12	10
129155-61202	12	10 -1
129155-61341	12	14
129155-61350	12	15
129155-61360	12	16
129155-61430	12	20
129155-61450	12	24
129155-61460	12	25
129155-61470	12	82
129155-61480	12	26
129155-61830	12	75
129155-61950	12	58
129156-51910	11	77
129171-51040	11	5 A
129208-51060	11	7 A
129208-51300	11	25 A
129208-54500	11	89 A
129210-59040	14	16 -1
129210-59130	13	34 -1
	14	17 -1
129211-77920	16	28 -1
129350-49530	10	22
129400-92420	17	32
129484-26200	7	21
129484-26210	7	23
129486-01670	3	17
129486-42050	10	14 -1
	17	16 -1
129486-61201	12	10 A
129486-61540	12	47 -1
129500-53050	13	2
129555-59510	14	16
		16 B
129573-51330	11	28 A
129573-51340	11	29 A
129573-51370	11	32 A
129609-53100	13	2 A
129612-01600	3	2
129612-77260	16	24 -1
129792-22400	8	22
129795-01800	2	5
129795-01950	2	9
129795-02411	1	14
129795-21661	8	9
129795-49551	10	23
	17	17
158552-61900	12	67 -1
171051-01921	1	6
171301-21650	8	8
171301-49010	10	41

Parts No.	Fig. No.	Ref. No.
171301-49020	10	42
171353-01520	2	1
171353-01580	2	3
171353-26081	7	27
	17	31
171353-61700	12	79
174307-51170	11	13
174307-51560	11	49
174307-51700	12	33
22117-040000	12	60
22190-060002	12	61
22190-060003	12	61 -1
22190-080002	2	12
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		16 A
		17 A
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		38
		38 -1
	17	29
		29 -1
22190-080003	2	16 A-1
		17 A-1
	9	37 A
	17	31 A
22190-100002	9	39 -1
	12	62
	17	30 -1
22190-120002	12	63
	13	43 -1
	14	15
	17	27 -1
		28
22190-160002	11	89
22190-220002	3	10
22217-050000	11	80
22217-060000	11	81
22217-120000	7	16
	11	89 C
22287-120000	12	64
22351-040010	8	7
22351-050010	11	82
22351-060012	4	22
22372-040000	12	65
22512-070140	7	7
	8	5
23010-038000	10	43
23061-070230	10	39
23414-100000	9	39
	17	30

Parts No. Index

Parts No.	Fig. No.	Ref. No.
23414-120000	13	43
	17	27
23418-060000	14	31
23871-010000	1	7
23871-030000	10	12
23876-010000	1	7 -1
23876-030000	10	12 -1
23887-100002	12	66
24101-063034	11	83
24105-060064	7	26
24311-000120	4	49
	17	20
24311-000160	2	14
	9	29
	17	21
24311-000320	2	15
	4	51
	17	22
24311-240100	14	10
		32
24321-000850	7	19
	17	25
24341-000160	11	84
24341-000240	2	24
	17	24
24341-000280	12	67
24341-000500	4	46
	17	23
26014-080702	14	11
26022-050102	11	85
26022-050122	11	85 -1
26022-060162	11	86
26106-060102	12	68
		69
		70
26106-060122	2	25
26106-060142	12	71
26106-060162	2	25 -1
26106-060202	10	21
	12	72
26106-080122	2	16
26106-080142	4	3
	7	8
26106-080162	2	16 B
		17
		17 B
		18
	3	11
	4	47
26106-080202	9	30

Parts No.	Fig. No.	Ref. No.
26106-080202	10	26
26106-080222	10	26 -1
26106-080252	4	35
	5	3
26106-080352	3	18
	5	6
	9	23
	10	15
26106-080452	2	19
	3	12
	7	14
26106-080502	4	36
26106-080552	2	20
	10	16
26106-080602	6	5
26106-100452	7	20
26116-050302	11	87
26116-120252	15	49
26206-100252	3	4
26206-100302	3	5
26216-060302	4	9
26216-080602	6	6
26226-080182	4	34
26366-060002	4	37
26366-080002	2	22
	6	3
	12	76
	16	24
26450-060252	9	15
26450-080282	7	28
26687-120002	12	81
26716-060002	11	88
26716-120002	7	17
	11	89 D
26756-060002	12	73
26776-120002	12	74
27231-500000	1	8
27241-120000	1	9
27241-300000	1	10
27241-400000	4	10
27310-070001	4	15
719810-01650	3	14
719810-11520	4	38
719810-11521	4	38 -1
719810-11660	4	30
719810-23100	8	23
719812-92640	17	1
719812-92641	17	1 -1
719813-01560	1	1
719819-51380	11	1

Parts No.	Fig. No.	Ref. No.
719823-51460	11	1 A
729500-53200	13	1
729609-53200	13	1 A
977770-01212	2	26
	3	19
	17	33
X0280210230	15	4
X0280630011	15	2
X0280992761	15	3
X0281003751	15	12
X0282001531	15	13
X0283060061	15	16
X0283270140	15	5
X0283711420	15	17
X0283712350	15	6
X0283810040	15	7
X0284004910	15	18
X0285040631	15	19
X0285100460	15	20
X0534006460	15	22
X0534040320	15	23
X0534490120	15	24
		25
X0534490230	15	26
		27
X0535050620	15	28
X0535130241	15	29
X0535130320	15	30
X0536600401	15	31
X9151005141	15	32
X9490071810	15	43
X9490071970	15	44
X9490170900	15	33
		34
X9490423330	15	45
X9490441303	15	35
X9490441312	15	36
X9490471500	15	45 -1
X9490502820	15	37
		38
X9490561370	15	46
X9490721080	15	8
X9491001360	15	14
X9491001860	15	15
X9491200240	15	47
X9491402100	15	39
		40
X9491703371	15	9
X9491703380	15	48
X9491704260	15	10

Parts No.	Fig. No.	Ref. No.
X9491730461	15	21