

0CV10-M41901EN

PREFACE

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNE88 - ACG & 3TNE88 - ACGD engines manufactured since March, 1996.
2. Each illustration corresponds to the parts list on the following page.
3. When ordering parts, clearly write down the engine model and serial number, as well as the name and number of each part in your order sheet. This will help insure reliable delivery of the parts you have ordered.

Directions for the Parts Catalog.

- 1.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	(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 COMPEMSATOR TYPE. OPTIONAL PART, TO E00155,(4JH-DT, 4JH-DTZ

① Ref. No.

The Ref. No. listed may not be in accordance with the illustration Ref. No.

(Ex.) Illustration No.

List Ref No.

1 1 (Before change) → 1-1 (After change)

For interchangeable symbols N, R and K, illustrations for new parts may be abbreviated.

② Lev. (Level)

Level indication

The numbers below indicate the level of relativity towards the main part.

1 ---- Main parts (Assembly parts)

2 ---- Sub component included in " 1 ".

3 ---- Sub component included in " 2 ".

Note) Parts that are not for sale are partially illustrated but not listed.

③ Interchangeability 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 $\xrightarrow{\text{No}}$ New	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\xrightarrow{\text{No}}$ New Yes $\xrightarrow{\text{Yes}}$ New	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\xrightarrow{\text{Yes}}$ New Yes $\xrightarrow{\text{Yes}}$ New	New/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New No $\xrightarrow{\text{No}}$ 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
ENGINE SECTION (3TNE88-ACG(D))	
1.	CYLINDER BLOCK
2.	GEAR HOUSING
3.	FLYWHEEL HOUSING & OIL SUMP
4.	CYLINDER HEAD & BONNET
5.	SUCTION & EXHAUST MANIFOLD
6.	CAMSHAFT & DRIVE GEAR
7.	CRANKSHAFT & PISTON
8.	LUB. OIL SYSTEM
9.	COOLING WATER SYSTEM
10.	FUEL INJECTION PUMP
11.	GOVERNOR
12.	FUEL INJECTION VALVE
13.	FO STRAINER & O/W SEPARATOR
14.	ENGINE STOP DEVICE
15.	STARTING MOTOR
16.	GENERATOR
17.	GASKET SET & TOOL(OPTIONAL)
18.	GOVERNOR

Fig. No.	Fig. Name
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Exploded view diagram of the cylinder head assembly. The diagram shows the cylinder head (21) being bolted to the engine block (9). Various components like the intake manifold (1), valve train components (13, 14, 15, 16, 22, 23, 24), and timing components (10, 11, 12) are shown in their relative positions. A callout for "REFER TO FIG 6" points to a detail of a component (19).

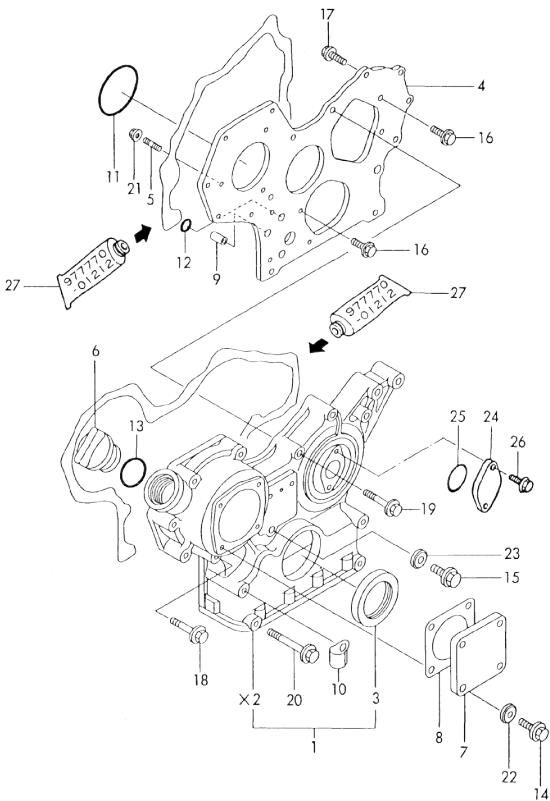
(1) UNDER-SIZE(U.S=0.25)PART.
(2) OVER-SIZE(O.S=0.25)PART.
(A) THIS PART IS ALSO SOLD BY GASKET SET(FIG 18.REF NO.1,P/# 729131 -92602).

No.	Lev.	Parts No.	Description	(A)=3TNE88-ACG (B)=3TNE88-ACGD (C)=		(D)= (E)= (F)=				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729001-01560	BLOCK ASSY, CYLINDER	1	1						
4	2	124160-01910	PLUG, PT1/4	3	3						
5	2	171051-01921	PLUG, NPTF 1	1	1						
6	2	23871-010000	PLUG, R01	1	1						
7	2	27231-500000	PLUG 50	1	1						
8	2	27241-120000	PLUG, 12	2	2						
9	2	27241-300000	PLUG 30	6	6						
10	2	129150-02020	BOLT, METAL CAP	8	8						
13	2	129001-02800	BEARING, MAIN	4	4						
16	2	129150-02930	BEARING, THRUST	2	2						
19	2	129795-02411	BUSH, CAMSHAFT	1	1						
20	1	129150-01200	BOLT, HEAD	14	14						
21	1	129001-01340	GASKET, HEAD	1	1						A
22	1	129150-02870	BEARING, 0.25 US	4	4						1
25	1	129150-02940	BEARING, THRUST 0.25	2	2						2

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

Fig.2. GEAR HOUSING

Fig.2 GEAR HOUSING

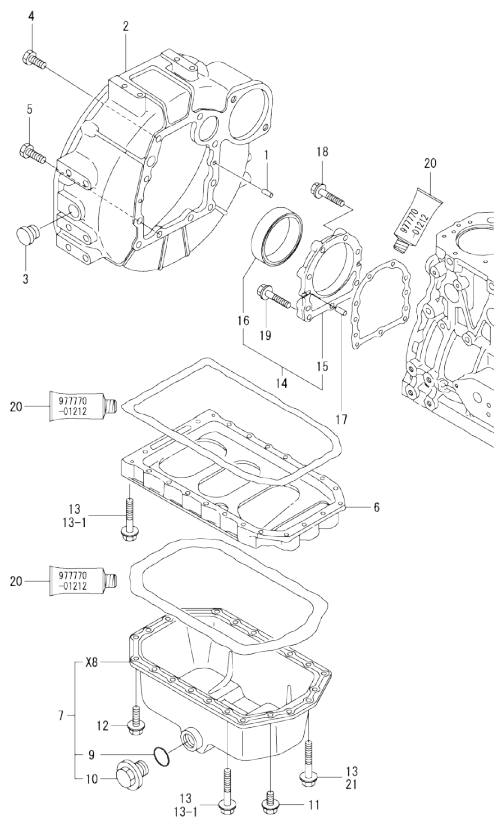


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719810-01500	CASE ASSY, GEAR	1	1						
3	2	129795-01800	SEAL, OIL	1	1						
4	1	129400-01520	FLANGE, GEAR CASE	1	1						
5	1	121450-01560	STUD, M8X22	3	3						
6	1	124160-01751	COVER, FILLER	1	1						
7	1	124240-01871	COVER	1	1						
8	1	124240-01883	GASKET	1	1						A
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						A
12	1	24311-000160	O-RING, 1AP16.0	2	2						
13	1	24311-000320	O-RING, 1AP32.0	1	1						A
14	1	26106-080122	BOLT, M8X 12 PLATED	4	4						
15	1	26106-080162	BOLT, M8X 16 PLATED	1	1						
16	1	26106-080162	BOLT, M8X 16 PLATED	3	3						
17	1	26106-080202	BOLT, M8X 20 PLATED	2	2						
18	1	26106-080452	BOLT, M8X 45 PLATED	6	6						
19	1	26106-080552	BOLT, M8X 55 PLATED	3	3						
20	1	26106-080852	BOLT, M8X 85 PLATED	4	4						
21	1	26366-080002	NUT, M8	3	3						
22	1	22190-080002	WASHER, SEAL 6	4	4						
23	1	22190-080002	WASHER, SEAL 6	1	1						
24	1	121023-01550	COVER	1	1						
25	1	24341-000240	O-RING, 1AS24.0	1	1						
26	1	26106-060122	BOLT, M6X 12 PLATED	2	2						
27	1	977770-01212	GASKET, LIQUID	1	1						W 1
(A)=XXXX											

Remarks
(A) THIS PART IS ALSO SOLD BY GASKET
SET(FIG 18.REF NO.1,P/# 729131
-92602).
(1) OPTIONAL PART.

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Fig.3. FLYWHEEL HOUSING & OIL SUMP



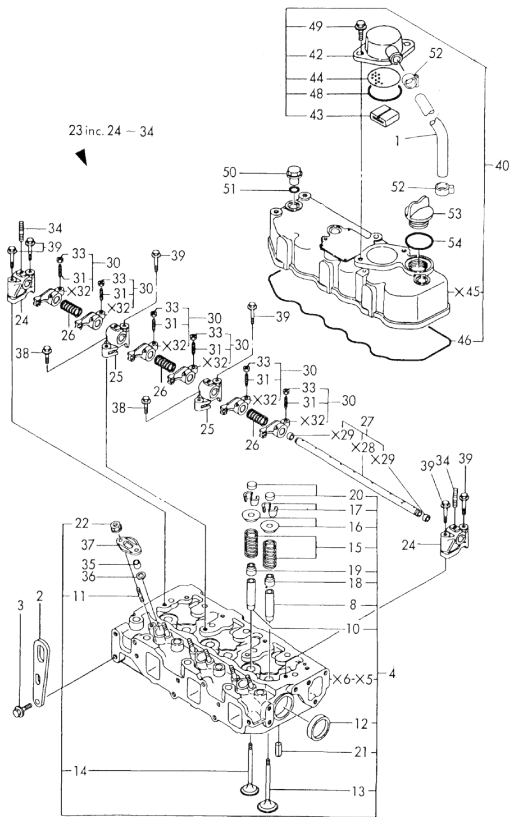
× MARK PARTS: NOT SOLD SEPARATELY.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2	2						
2	1	171420-01600	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	129100-01730	SPACER, OIL SUMP	1	1						
7	1	129100-01770	SUMP ASSY, OIL	1							
7-1	1	129100-01760	SUMP ASSY, OIL	1	1						N
(A=E01765)											
9	2	22190-220002	WASHER, SEAL 22	1							
9-1	2	24341-000250	O-RING, 1AS25.0	1	1						N
(A=E01765)											
10	2	119640-01640	PLUG, DRAIN M22	1							
10-1	2	171301-01640	PLUG, 22	1	1						N
(A=E01765)											
11	1	26106-080162	BOLT, M8X 16 PLATED	4	4						
12	1	26106-080252	BOLT, M8X 25 PLATED	2	2						
13	1	26106-080452	BOLT, M8X 45 PLATED	20	20						
13-1	1	26106-080452	BOLT, M8X 45 PLATED	16	16						K
(A=FROM 1ST) (B=FROM 1ST)											
14	1	129100-01640	CASE ASSY, OIL SEAL	1	1						
15	2	129150-01650	CASE, OIL SEAL	1	1						
16	2	129795-01780	SEAL, OIL	1	1						
17	1	129100-01580	PIN, M8X16	2	2						
18	1	26106-080302	BOLT, M8X 30 PLATED	6	6						
18-1	1	129486-01670	BOLT, M8X30	6	6						R
(A=E05255) (B=E12467)											
19	1	26106-080352	BOLT, M8X 35 PLATED	3	3						
20	1	977770-01212	GASKET, LIQUID	1	1						W 1
(A=E000X)											
21	1	26106-080502	BOLT, M8X 50 PLATED	4	4						W
(A=FROM 1ST) (B=FROM 1ST)											

N:Old $\frac{YBS}{100}$ New, Q:Old $\frac{H0}{100}$ New, R:Old $\frac{YBS}{100}$ New, S:Old $\frac{H0}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.4. CYLINDER HEAD & BONNET

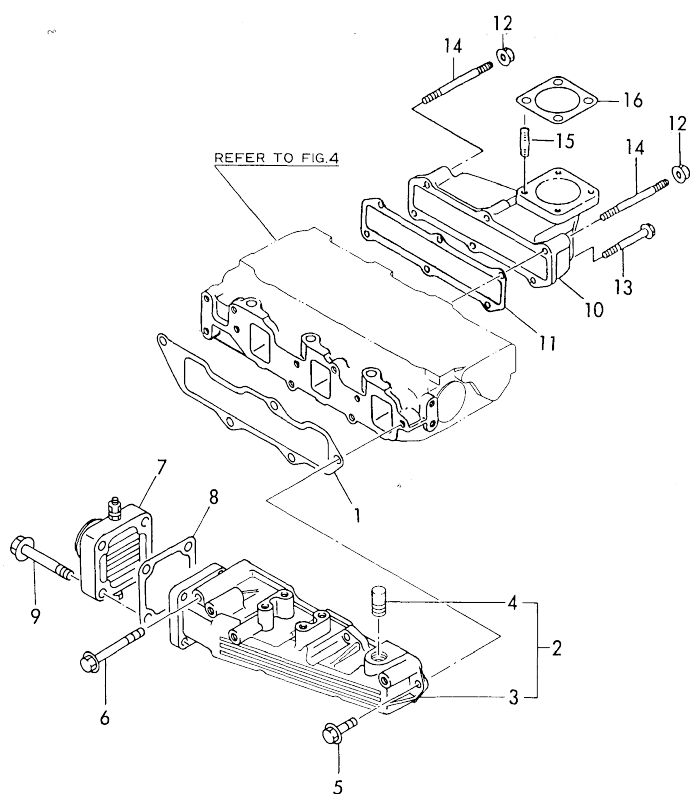
Fig.4 CYLINDER HEAD & BONNET



Remarks
(1) REPAIR PART.
(A) THIS PART IS ALSO SOLD BY GASKET SET (FIG 18. REF NO.1, P/# 729131 -92602).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129219-03100	PIPE , BREATHER	1	1						
2	1	124736-07900	LIFTER	2	2						
3	1	26106-080142	BOLT, M8X 14 PLATED	4	4						
4	1	729001-11700	HEAD ASSY, CYLINDER	1	1						1
8	2	120130-11860	GUIDE, VALVE	3	3						1
10	2	129150-11810	GUIDE, VALVE	3	3						
11	2	26216-060202	STUD, M6X 20	6	6						
12	2	27241-400000	PLUG, 40	2	2						
13	2	129100-11100	VALVE, INTAKE	3	3						
14	2	129100-11110	VALVE, EXHAUST	3	3						
15	2	129795-11120	SPRING, VALVE	6	6						
16	2	129795-11180	RETAINER, SPRING	6	6						
17	2	103338-11190	COTTER	6							
17-1	2	27310-080001	COTTER, 8	6	6						N
(A=EXXXXX)											
18	2	121400-11340	SEAL, VALVE STEM	3	3						
19	2	124460-11340	SEAL, VALVE STEM	3	3						
20	2	129150-11370	CAP, VALVE	6	6						
21	2	22351-060012	PIN, SPRING 6.0X12	2	2						
22	2	26366-060002	NUT, M6	6	6						
23	1	129100-11240	SHAFT ASSY, ROCKER	1	1						
24	2	129155-11260	SUPPORT, ROCKER ARM	2	2						
25	2	129155-11270	SUPPORT, ROCKER ARM	2	2						
26	2	129150-11280	SPRING	3	3						
27	2	129150-11290	SHAFT, ROCKER ARM	1	1						
30	2	129100-11650	ARM, 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	119625-11871	PROTECTOR, NOZZLE	3	3						
36	1	119625-11880	SEAT, NOZZLE	3	3						
37	1	119625-11900	RETAINER, NOZZLE	3	3						
38	1	26106-080252	BOLT, M8X 25 PLATED	2	2						
39	1	26106-080502	BOLT, M8X 50 PLATED	6	6						
40	1	129100-11350	BONNET ASSY, HEAD	1	1						
42	2	129150-03020	COVER, BREATHER	1	1						
43	2	129150-03070	BAFFLE, BREATHER	1	1						A
44	2	129150-03080	PLATE, BAFFLE	1	1						A
46	2	129150-11310	GASKET, BONNET	1	1						
48	2	24341-000500	O-RING, 1AS50.0	1	1						
49	2	26106-080162	BOLT, M8X 16 PLATED	2	2						
50	1	124160-11360	KNOB	3	3						
51	1	24311-000120	O-RING, 1AP12.0	3	3						A
52	1	129410-03990	CLIP	2	2						
53	1	124160-01751	COVER, FILLER	1	1						
54	1	24311-000320	O-RING, 1AP32.0	1	1						A

Fig. 5 SUCTION & EXHAUST MANIFOLD



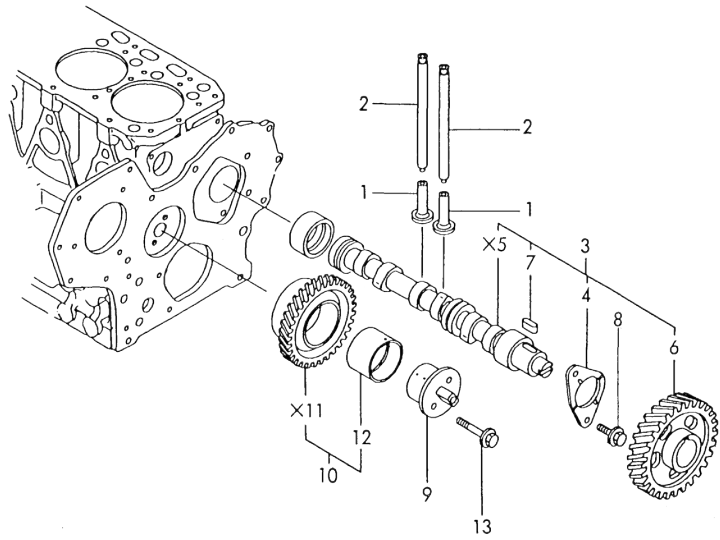
Remarks
(A) THIS PART IS ALSO SOLD BY GASKET
SET(FIG 18.REF NO.1,P/# 729131
-92602).

				(A)=3TNE88-ACG (B)=3TNE88-ACGD (C)=			(D)= (E)= (F)=				
No.	Lev.	Parts No.	Description	(A)	(B)	Q'ty (C)	(D)	(E)	(F)	I	R
1	1	129001-12110	GASKET, MANIFOLD	1	1						A
2	1	129219-12700	MANIFOLD ASSY,INTAKE	1	1						
3	2	129219-12100	MANIFOLD, AIR INTAKE	1	1						
4	2	104407-44480	JOINT	1	1						
5	1	26106-080202	BOLT, M8X 20 PLATED	4	4						
6	1	26106-080802	BOLT, M8X 80 PLATED	1	1						
7	1	129120-77501	HEATER	1	1						
8	1	129150-77511	GASKET	1	1						A
9	1	26106-080352	BOLT, M8X 35 PLATED	4	4						
10	1	129001-13100	MANIFOLD, EXHAUST	1	1						
11	1	129001-13110	GASKET	1	1						A
12	1	194990-22050	NUT, M8	2	2						
13	1	26106-080402	BOLT, M8X 40 PLATED	4	4						
14	1	26216-080402	STUD, M8X 40	2	2						
15	1	26216-080222	STUD, M8X 22	4	4						
16	1	124701-11911	GASKET, SILENCER	1	1						W
(A)=FROM 1ST)											

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

Fig.6. CAMSHAFT & DRIVE GEAR

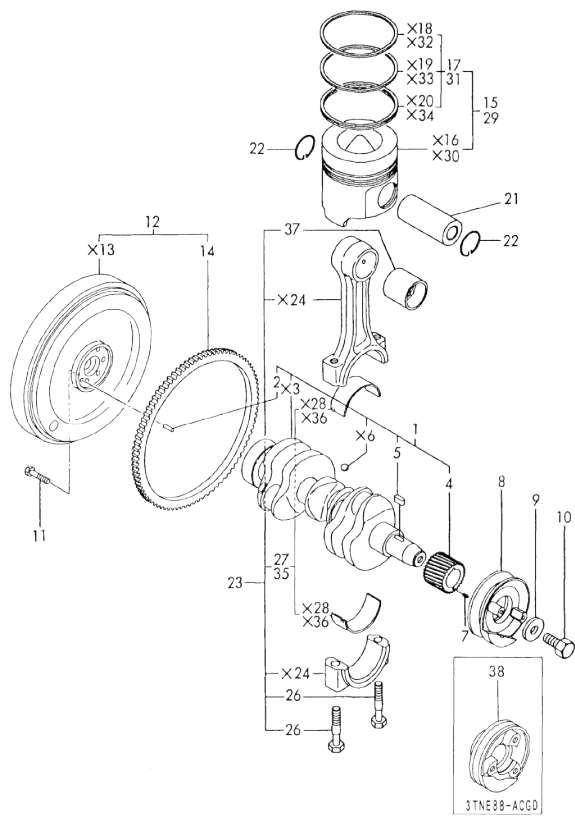
Fig.6 CAMSHAFT & DRIVING GEAR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	6	6						
2	1	129150-14400	ROD, PUSH L=178	6	6						
3	1	129129-14580	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	26106-080162	BOLT, M8X 16 PLATED	2	2						
8-1	1	26106-080142	BOLT, M8X 14 PLATED	2	2						N
(A=E05255) (B=E12467)											
9	1	129100-25061	SHAFT, IDLE	1	1						
10	1	129150-25101	GEAR ASSY, IDLE	1	1						
12	2	129150-25061	BUSH, IDLE GEAR	1	1						
13	1	26106-080452	BOLT, M8X 45 PLATED	2	2						

Fig.7. CRANKSHAFT & PISTON

Fig.7 CRANKSHAFT & PISTON

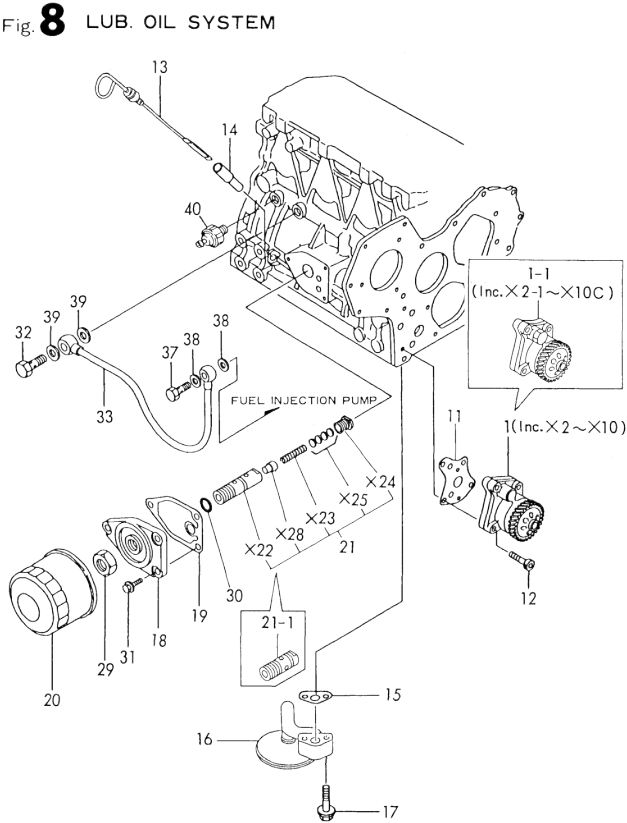


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129001-21000	CRANKSHAFT ASSY	1	1						
2	2	129100-01580	PIN, M8X16	1	1						
4	2	129150-21200	GEAR, CRANKSHAFT	1	1						
5	2	22512-070140	KEY, 7X 14	1	1						
7	1	22351-040010	PIN, SPRING 4.0X10	1	1						
8	1	129150-21650	V-PULLEY	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	171340-21590	FLYWHEEL ASSY	1	1						
14	2	124550-21600	GEAR, RING	1	1						
15	1	129001-22081	PISTON ASSY	3	3						
17	2	129001-22500	RING SET, PISTON	3	3						
21	1	129202-22300	PIN, PISTON D26 L70	3	3						
22	1	22252-000260	RING, 26	6	6						
23	1	729402-23100	ROD ASSY, CONNECTING	3	3						
26	2	121550-23200	BOLT, CONNECTING ROD	6	6						
27	2	129150-23600	BEARING, CRANK PIN	3	3						
29	1	129001-22900	PISTON ASSY, 0.25 OS	3	3						1
31	2	129001-22950	RING SET, 0.25 OS	3	3						1
35	1	129150-23610	BEARING, 0.25 US	3	3						2
37	1	129100-23910	BEARING, PISTON PIN	3	3						3
38	1	129116-21650	V-PULLEY		1						

Remarks

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

Fig.8. LUB. OIL SYSTEM

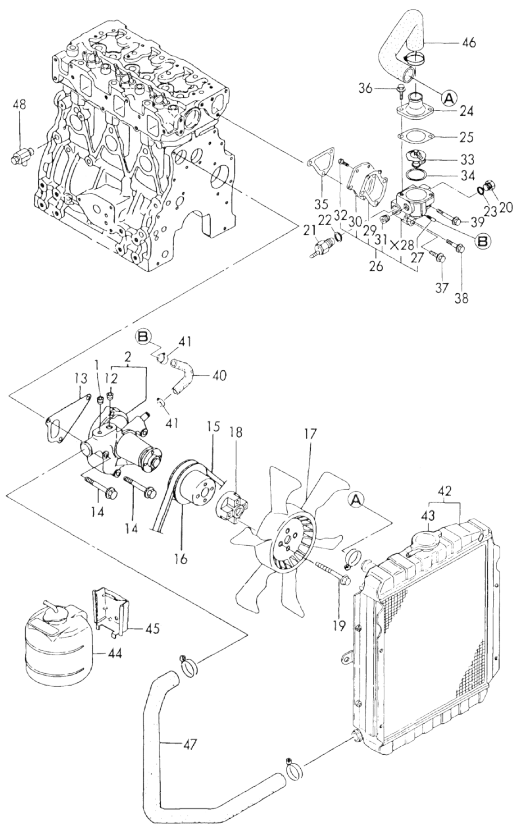


Remarks
(A) THIS PART IS ALSO SOLD BY GASKET SET (FIG 18. REF NO.1, P/# 729131 -92602).
(1) REF. NO. 1-1 & 21-1 INTERCHANGEABLE BY SET.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-32000	PUMP ASSY, OIL	1							
1-1	1	129001-32001	PUMP ASSY, OIL	1	1					F	1
(A=E01658)											
11	1	129150-32020	GASKET, PUMP	1	1						A
12	1	26450-060252	BOLT, M6X 25	4	4						
13	1	171420-34820	DIPSTICK, OIL	1	1						
14	1	121520-34810	GUIDE, DIPSTICK	1	1						
15	1	129150-35041	GASKET	1	1						A
16	1	129100-35300	PIPE ASSY, OIL INLET	1							
16-1	1	129100-35301	PIPE ASSY, OIL INLET	1	1					N	
(A=E02661)											
17	1	26106-080352	BOLT, M8X 35 PLATED	2	2						
18	1	129150-35101	BRACKET, STRAINER	1	1						
19	1	129150-35111	GASKET	1	1						A
20	1	129150-35151	FILTER, D80XL80	1	1						
21	1	119865-35300	VALVE ASSY, CONTROL	1							
21-1	1	129001-35300	BOLT, FILTER	1	1					F	1
(A=E01658)											
29	1	129150-35350	NUT	1	1						
30	1	24311-000160	O-RING, 1AP16.0	1	1						
31	1	26106-080202	BOLT, M8X 20 PLATED	3	3						
32	1	124160-39140	BOLT, PIPE JOINT M10	1	1						
33	1	129150-39450	PIPE ASSY, OIL	1	1						
37	1	124550-59820	BOLT, PIPE JOINT M8	1	1						
38	1	23414-080000	GASKET, 8X1.0	2	2						
39	1	23414-100000	GASKET, 10X1.0	2	2						
40	1	119265-39450	SWITCH	1	1						

Fig.9. COOLING WATER SYSTEM

Fig.9 COOLING WATER SYSTEM

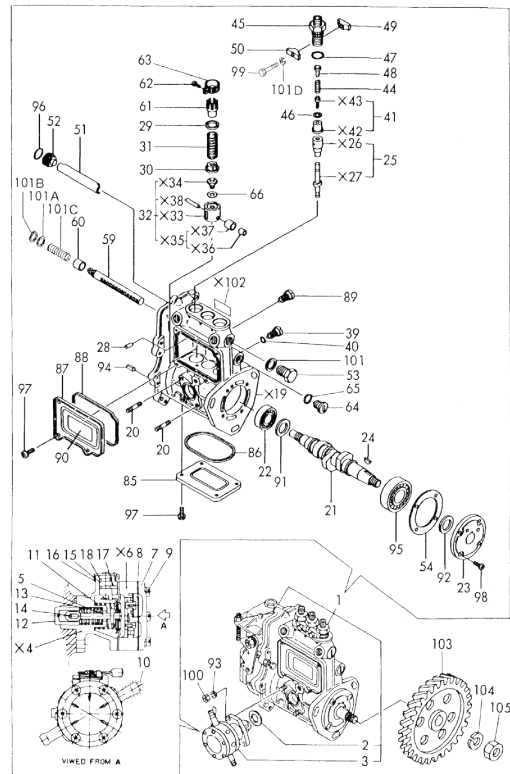


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121850-11860	PLUG, PT1/4	1	1						
2	1	129100-42002	PUMP ASSY, WATER	1	1						
2-1	1	129100-42003	PUMP ASSY, WATER	1	1					N	
(A=E05255) (B=E12467)											
12	2	23871-030000	PLUG, R03	1	1						
13	1	129100-42020	GASKET, WATER PUMP	1	1					A	
14	1	26106-080602	BOLT, M8X 60 PLATED	3	3						
15	1	124732-42290	V-BELT, AX37	1	1						
15-1	1	25132-003700	V-BELT, A37	1	1					R	
(A=E03344)											
16	1	129155-42350	V-PULLEY	1	1						
17	1	171340-44740	FAN, COOLING D335XNF	1	1						
18	1	171353-44760	SPACER, FAN	1	1						
19	1	26106-060352	BOLT, M6X 35 PLATED	4	4						
20	1	121450-42450	PLUG, M16	1	1						
21	1	129110-44900	SWITCH	1	1						
22	1	124465-44950	GASKET, 16	1	1					A	
23	1	124465-44950	GASKET, 16	1	1					A	
24	1	129350-49530	COVER, THERMOSTAT	1	1						
25	1	129795-49551	GASKET	1	1					A	
26	1	129100-49800	CASE ASSY,THERMOSTAT	1	1						
27	2	124770-11770	JOINT, PIPE PT1/8	1	1						
29	2	129100-49820	GASKET	1	1						
30	2	129100-49830	COVER, THERMOSTAT	1	1						
31	2	23871-030000	PLUG, R03	1	1						
32	2	26116-060162	BOLT, M6X 16 PLATED	2	2						
33	1	129155-49800	THERMOSTAT, 71	1	1						
34	1	129150-49811	GASKET, THERMOSTAT	1	1					A	
35	1	129100-49840	GASKET	1	1					A	
36	1	26106-080202	BOLT, M8X 20 PLATED	2	2						
37	1	26106-080252	BOLT, M8X 25 PLATED	1	1						
38	1	26106-080502	BOLT, M8X 50 PLATED	1	1						
39	1	26106-080602	BOLT, M8X 60 PLATED	1	1						
40	1	129132-49050	PIPE, WATER	1	1						
41	1	23000-016000	CLAMP, 16	2	2						
42	1	129411-44500	RADIATOR	1	1						
43	2	123682-44210	CAP, RADIATOR	1	1						
44	1	120445-44530	TANK, SUB	1	1						
45	1	120445-44540	SUPPORT	1	1						
46	1	171301-49010	PIPE, WATER	1	1						
47	1	171301-49020	PIPE, WATER	1	1						
48	1	119620-49290	COCK ASSY, 1/4	1	1						

Remarks
(A) THIS PART IS ALSO SOLD BY GASKET
SET(FIG 18.REF NO.1,P/# 729131
-92602).

Fig.10. FUEL INJECTION PUMP

Fig. 10 FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY(FIG.NO.12) IS INCORPORATED IN THIS FOP CMP (REF.NO.1).
(2) GOVERNOR ASSY(FIG.NO.18) IS INCORPORATED IN THIS FOP CMP (REF.NO.1A).

(A)=3TNE88-ACG
(B)=3TNE88-ACGD
(C)=

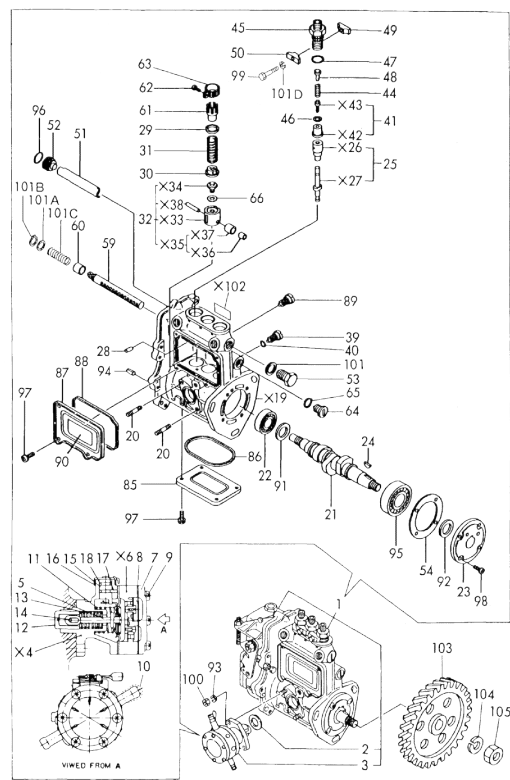
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729219-51310	PUMP ASSY, INJECTION	1							1
1A	1	729212-51210	PUMP ASSY, INJECTION		1						2
2	2	129155-52050	GASKET	1	1						
3	2	129100-52100	PUMP ASSY, FUEL FEED	1	1						
5	3	129158-52020	DIAPHRAGM	1	1						
7	3	129158-52060	COVER	1	1						
8	3	129158-52070	GASKET	1	1						
9	3	129158-52080	SCREW	6	6						
10	3	129158-52090	CAP	2	2						
11	3	129158-52160	SPRING	1	1						
12	3	129158-52250	TAPPET	1	1						
13	3	129158-52260	SPRING	1	1						
14	3	129158-52270	PIN	1	1						
15	3	129158-52350	LEVER	1	1						
16	3	129158-52360	SPRING, RETURN	1	1						
17	3	129158-52370	PIN	1	1						
18	3	129158-52380	O-RING	1	1						
20	2	129155-51020	STUD	2	2						
21	2	119810-51040	CAMSHAFT	1	1						
22	2	129155-51050	BEARING, 17BM001D	1	1						
23	2	129155-51060	SUPPORT, CAMSHAFT	1	1						
24	2	122710-51090	KEY	1	1						
25	2	129506-51100	PLUNGER ASSY	3	3						
28	2	129155-51140	PIN	3	3						
29	2	174307-51170	RETAINER, SPRING A	3	3						
30	2	129155-51180	RETAINER, SPRING	3	3						
31	2	124950-51190	SPRING, PLUNGER	3	3						
32	2	129155-51200	TAPPET ASSY	3	3						
39	2	129155-51270	STOPPER, TAPPET	3	3						
40	2	129155-51280	O-RING, S6	3	3						
41	2	129100-51300	VALVE ASSY, DELIVERY	3	3						
44	2	129155-51320	SPRING, DELIVERY	3	3						
45	2	129155-51340	RETAINER	3	3						
46	2	124550-51350	GASKET, DELIVERY	3	3						
47	2	124550-51370	O-RING	3	3						
48	2	129155-51370	STOPPER, VALVE	3	3						
49	2	129155-51380	STOPPER	2	2						
50	2	129155-51390	STOPPER	2	2						
51	2	129155-51400	DEFLECTOR	1	1						
52	2	129155-51410	BOLT	1	1						
53	2	129155-51420	PLUG, M16	1	1						
54	2	129155-51450	SHIM SET, ADJUSTING	1	1						
59	2	129155-51500	RACK, CONTROL	1	1						
60	2	129155-51521	BUSH, RACK	1	1						
61	2	129155-51550	PINION, CONTROL	3	3						
62	2	122117-51560	SCREW	3	3						
63	2	174307-51560	PINION	3	3						
64	2	129155-51570	PLUG, M12	1	1						
65	2	129155-51580	O-RING	1	1						
66	2	129155-51600	SHIM SET, ADJUSTING	3	3						
85	2	129155-51700	COVER	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
++ CONTINUE ++
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Fig.10. FUEL INJECTION PUMP

Fig. 10 FUEL INJECTION PUMP

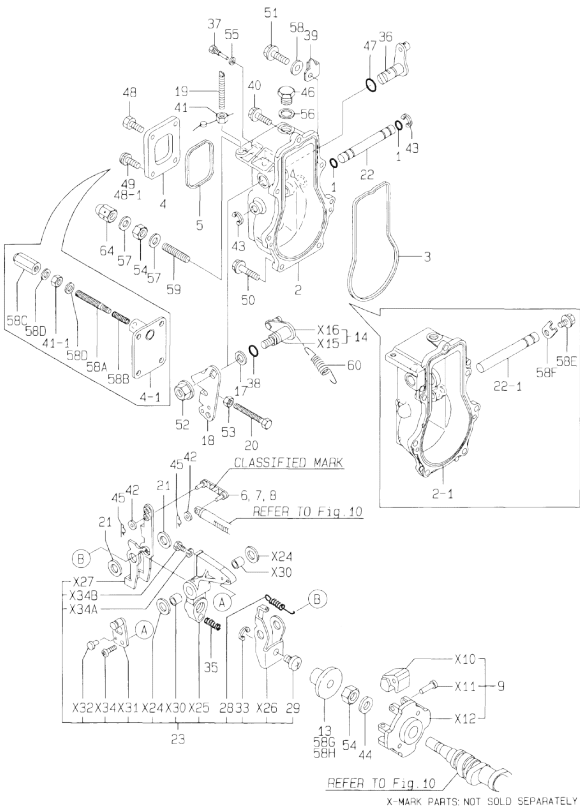


Remarks
(1) GOVERNOR ASSY(FIG.NO.12) IS INCORPORATED IN THIS FOP CMP (REF.NO.1).
(2) GOVERNOR ASSY(FIG.NO.18) IS INCORPORATED IN THIS FOP CMP (REF.NO.1A).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
86	2	129155-51710	GASKET	1	1						
87	2	129155-51750	COVER	1	1						
88	2	129155-51760	GASKET	1	1						
89	2	129155-51790	STOOPER, RACK	1	1						
90	2	129156-51910	LABEL, CAUTION	1	1						
91	2	129155-51930	SPACER, T=3.25	1	1						
92	2	129155-51940	SPACER, T=1.5	1	1						
93	2	22217-060000	WASHER, SPRING 6	2	2						
94	2	22351-050010	PIN, SPRING 5.0X10	2	2						
95	2	24101-063034	BEARING, BALL 6303	1	1						
96	2	24341-000160	O-RING, 1AS16.0	1	1						
97	2	26022-050102	SCREW, M5X10	8	8						
98	2	26022-060162	SCREW, M6X16	4	4						
99	2	26116-050302	BOLT, M5X 30 PLATED	2	2						
100	2	26716-060002	NUT, M6	2	2						
101	2	22190-160002	WASHER, SEAL 16	1	1						
101A	2	129155-51530	SPACER	1							W
(A=E000)											
101B	2	129155-51540	CIRCLIP	1							W
(A=E000)											
101C	2	129155-51591	SPRING, RACK	1							W
(A=E000)											
101D	2	22217-050000	WASHER, SPRING 5	2	2						W
(A=E000)											
103	1	129150-25900	GEAR, PUMP	1	1						
104	1	22217-120000	WASHER, SPRING 12	1	1						
105	1	26716-120002	NUT, M12	1	1						

Fig.11. GOVERNOR

11. GOVERNOR



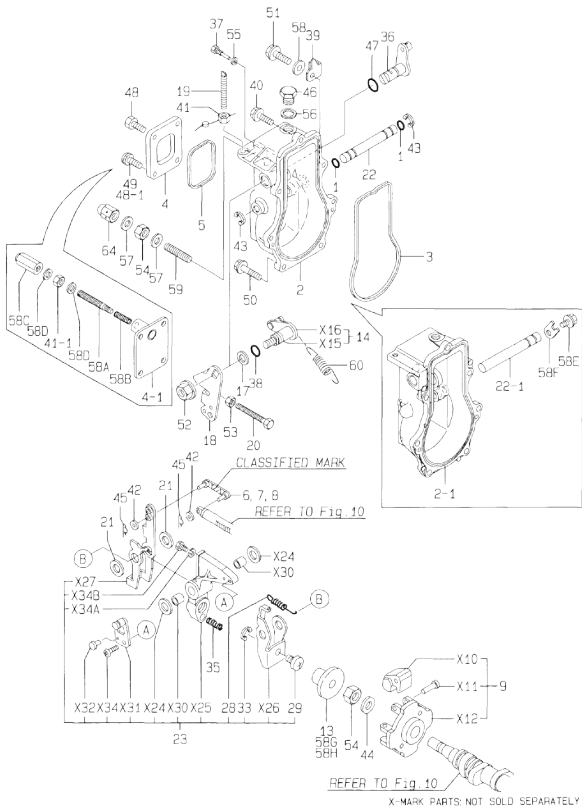
Remarks
(1) SELECTIVE PART. CERTAIN THE SIZE OF "L". THEN PLACE YOUR ORDER. (REFER TO ILLUSTRATION).
(2) SELECTIVE PART.
(M) MISPRINT.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	129155-51280	O-RING, S6	2							
1-1	2	129155-51280	O-RING, S6	1							K
(A=E05292)											
2	2	129155-61012	CASE, GOVERNOR	1							
2-1	2	129155-61013	CASE, GOVERNOR	1							S
(A=E05292)											
3	2	129155-61050	GASKET	1							
4	2	129155-61060	COVER, GOVERNOR CASE	1							
4-1	2	129219-61050	COVER, GOVERNOR CASE	1							N
(A=E04816)											
5	2	129155-61070	GASKET	1							
6	2	129155-61120	LINK, L=30 MARK 0	1							1
7	2	129155-61130	LINK, L=31 MARK 1	1							1
8	2	129155-61140	LINK, L=30.5 MARK 05	1							1
9	2	171488-61200	WEIGHT ASSY, GOVERNOR	1							
13	2	129155-61341	SLEEVE	1							2
14	2	129100-61400	SHAFT ASSY	1							
17	2	129155-61430	SPACER	1							
18	2	129100-61440	LEVER, CONTROL	1							
18-1	2	171488-61440	LEVER, CONTROL	1							N
(A=E02661)											
19	2	129155-61450	BOLT, LIMITER	1							
20	2	129155-61460	BOLT, IDLE	1							
21	2	129155-61480	SPACER ASSY	2							
22	2	129155-61490	SHAFT	1							
22-1	2	129155-61380	SHAFT	1							S
(A=E05292)											
23	2	129116-61500	LEVER ASSY, GOVERNOR	1							
28	3	119843-61540	SPRING, SET	1							
29	3	129155-61540	SHIFTER	1							
33	3	22272-000040	RING, E- 4	1							
35	2	129500-61650	SPRING, FUEL CONTROL	1							
36	2	119821-61800	LEVER, STOP	1							
37	2	129155-61810	PIN	1							
38	2	129155-61830	O-RING, S10	1							
39	2	129116-61890	SUPPORT	1							
40	2	129155-61950	BOLT	1							
41	2	124550-66370	NUT, M6	1							
41-1	2	124550-66370	NUT, M6	2							K
(A=E04816)											
42	2	22117-040000	WASHER, 4	1							
43	2	22272-000060	RING, E- 6	2							Z
(A=E05292)											
44	2	22287-120000	WASHER, 12	1							
45	2	22372-040000	PIN, SNAP 4	2							
46	2	23887-100002	PLUG, 10	1							
47	2	24311-240100	O-RING, 1AP10A	1							
48	2	26022-050102	SCREW, M5X10	2							
48-1	2	26022-050102	SCREW, M5X10	4							K
(A=E04816)											
49	2	26023-050102	SCREW, M5X10	2							Z

N: Old $\frac{100}{100}$ New, O: 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. GOVERNOR

11. GOVERNOR



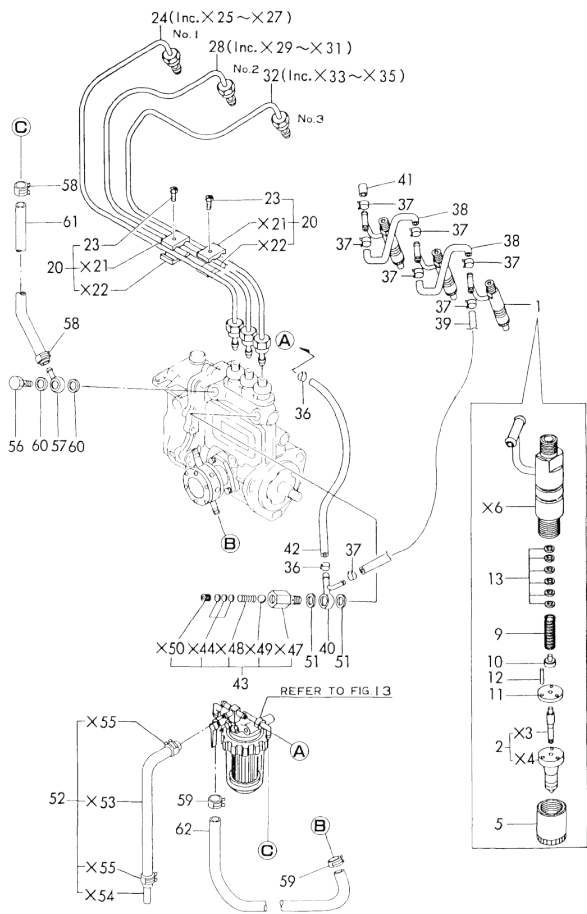
				(A)=3TNE88-ACG (B)=3TNE88-ACGD (C)=			(D)= (E)= (F)=	Q'ty			I	R
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)			
(A=E04816)												
50	2	26106-060202	BOLT, M6X 20 PLATED		5							
51	2	26106-060252	BOLT, M6X 25 PLATED									
52	2	26366-080002	NUT, M8		1							
53	2	26756-060002	NUT, LOCK M6		1							
54	2	26776-120002	NUT, LOCK M12		2							
55	2	22190-060002	WASHER, SEAL 6		1							
55-1	2	22190-060002	WASHER, SEAL 6		2							K
(A=E05292)												
56	2	22190-100002	WASHER, SEAL 10		1							
57	2	22190-120002	WASHER, SEAL 12		2							
58	2	131110-66420	WASHER		1							Z
(A=E0000)												
58A	2	119645-61070	SCREW		1							W
(A=E04816)												
58B	2	119645-61080	SPRING		1							W
(A=E04816)												
58C	2	119600-66840	NUT, CAP		1							W
(A=E04816)												
58D	2	22190-060003	SEAL WASER 6		2							W
(A=E05292)												
58E	2	26106-060102	BOLT, M6X 10 PLATED		2							W
(A=E05292)												
58F	2	119660-61901	RETAINER, SHAFT		1							W
(A=E05292)												
58G	2	129155-61350	SLEEVE, L=24.9		1							W 2
(A=E02037)												
58H	2	129155-61360	SLEEVE, L=25.2		1							W 2
(A=E02037)												
59	1	129155-61470	BOLT, CONTROL		1							
60	1	129477-61720	SPRING, GOVERNOR		1							
60-1	1	129176-61730	SPRING, GOVERNOR		1							N
(A=E05292)												
61	1	129129-66860	LINK, SOLENOID		1							M
62	1	22117-080000	WASHER, 8		1							M
63	1	22372-080000	PIN, SNAP 8		1							M
64	1	26687-120002	NUT, CAP M12		1							

Remarks

- (1) SELECTIVE PART. CERTAIN THE SIZE OF "L". THEN PLACE YOUR ORDER. (REFER TO ILLUSTRATION).
(2) SELECTIVE PART.
(M) MISPRINT.

Fig.12. FUEL INJECTION VALVE

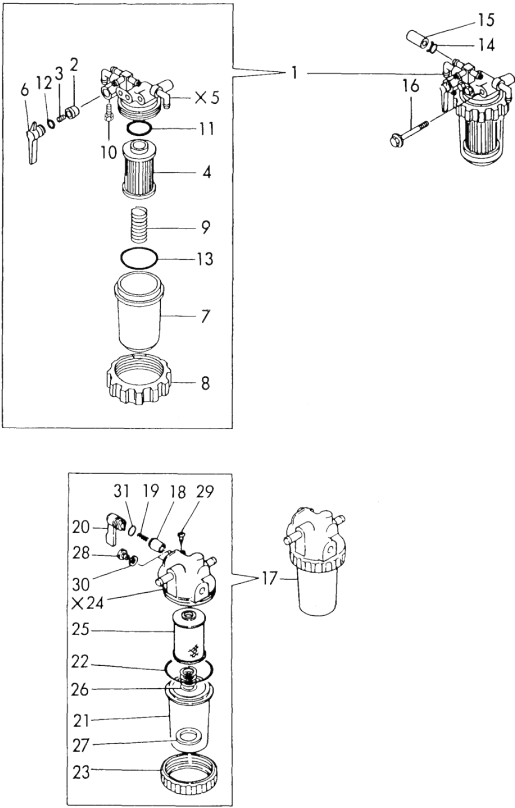
Fig.12 FUEL INJECTION VALVE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719810-53100	VALVE ASSY, INJECTION	1	1						
2	2	119810-53000	VALVE ASSY, INJECTION	3	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	119305-59120	RETAINER, PIPE	2	2						
23	2	129150-59131	BOLT, M4X14	2	2						
24	1	129001-59811	PIPE ASSY, INJECTION	1							
24-1	1	129002-59810	PIPE ASSY, INJECTION	1	1					N	
(A=E01504)											
28	1	129001-59821	PIPE ASSY, INJECTION	1							
28-1	1	129002-59810	PIPE ASSY, INJECTION	1						N	M
(A=E01504)											
28-2	1	129002-59820	PIPE ASSY, INJECTION	1	1					N	
(A=E01504)											
32	1	129001-59831	PIPE ASSY, INJECTION	1							
32-1	1	129002-59830	PIPE ASSY, INJECTION	1						N	
(A=E01504)											
32-2	1	129002-59831	PIPE ASSY, INJECTION	1	1					N	
(A=E01910)											
36	1	124766-59050	CLIP, HOSE 12	2	2						
37	1	124066-59100	CLIP, HOSE 8	7	7						
38	1	121250-59550	PIPE, FUEL D8X120	2	2						
39	1	119840-59560	PIPE, FUEL RETURN	1	1						
40	1	119840-59570	JOINT	1	1						
41	1	129150-59580	CAP	1	1						
42	1	129255-59580	PIPE, FUEL	1	1						
43	1	129100-59951	VALVE ASSY, CHECK	1	1						
51	1	23414-120000	GASKET, 12X1.0	2	2						
52	1	119840-59601	BEND	1	1						
56	1	103854-39140	BOLT, PIPE JOINT	1	1						
57	1	101304-59020	JOINT, PIPE 12	1	1						
58	1	124766-59050	CLIP, HOSE 12	2	2						
59	1	124766-59050	CLIP, HOSE 12	2	2						
60	1	104200-59170	GASKET, 12	2							
60-1	1	22190-120002	WASHER, SEAL 12	2	2					N	
(A=E04816)											
61	1	129150-59511	PIPE, FUEL	1	1						
62	1	129255-59580	PIPE, FUEL	1	1						

Fig.13. FO STRAINER & O/W SEPARATOR

Fig. **13** FUEL STRAINER & OIL/WATER SEPARATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-55621	FILTER ASSY, FUEL	1	1						
2	2	104200-55321	VALVE, TAPER	1	1						
3	2	104200-55330	SPRING, VALVE	1	1						
4	2	129100-55650	ELEMENT	1	1						
6	2	129100-55670	LEVER	1	1						
7	2	129100-55680	CUP, STRAINER	1	1						
8	2	129100-55690	RING, RETAINING	1	1						
9	2	129100-55700	SPRING	1	1						
10	2	104200-55750	SCREW, M4	1	1						
11	2	24311-000160	O-RING, 1AP16.0	1	1						
12	2	24311-240100	O-RING, 1AP10A	1	1						
13	2	24321-000650	O-RING, 1AG65.0	1	1						A
14	1	124066-59100	CLIP, HOSE 8	1	1						
15	1	129150-59580	CAP	1	1						
16	1	26014-080702	BOLT, M8X 70	1	1						
17	1	121850-55800	SEPARATOR ASSY, WATER	1	1						
18	2	104200-55321	VALVE, TAPER	1	1						
19	2	104200-55330	SPRING, VALVE	1	1						
20	2	104200-55341	HANDLE	1	1						
21	2	121254-55510	COVER	1	1						
22	2	102103-55520	O-RING	1	1						
23	2	110250-55610	RING, RETAINING	1	1						
25	2	121850-55710	SCREEN	1	1						
26	2	121257-55720	SPRING	1	1						
27	2	121257-55731	FLOAT	1	1						
28	2	101720-55750	PLUG, 6	2	2						
29	2	104200-55750	SCREW, M4	1	1						
30	2	23418-060000	GASKET, 6X1.0	2	2						
31	2	24311-240100	O-RING, 1AP10A	1	1						

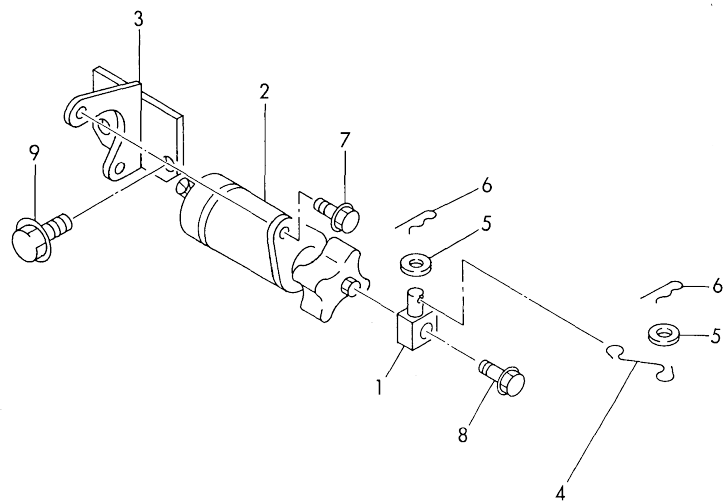
Remarks

(A) THIS PART IS ALSO SOLD BY GASKET SET (FIG 18, REF NO.1, P/# 729131 -92602).

OCV10-M41901

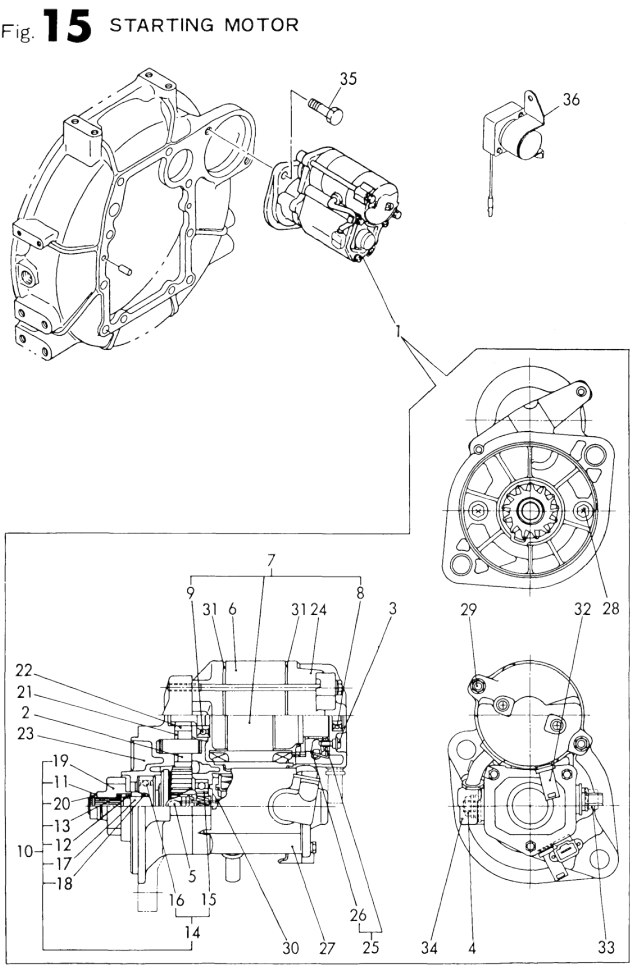
Fig.14. ENGINE STOP DEVICE

Fig. **14** ENGINE STOP DEVICE



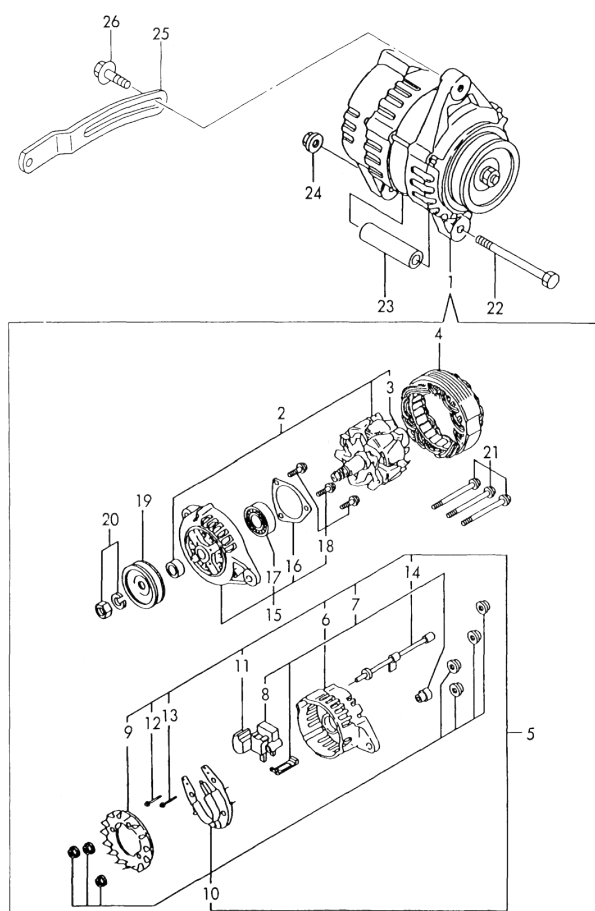
No.	Lev.	Parts No.	Description	(A)=3TNE88-ACG (B)=3TNE88-ACGD (C)=						Q'ty (D) (E) (F)	I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	171078-66551	PIN	1	1							
2	1	129577-67320	SOLENOID	1	1							
3	1	129175-67350	BRACKET, SOLENOID	1								
3-1	1	129111-65131	BRACKET, SOLENOID	1	1						N	
	(A=E01658)											
4	1	129577-67380	LINK, SOLENOID	1								
4-1	1	129175-67380	LINK, SOLENOID	1	1						N	
	(A=E01658)											
5	1	22117-080000	WASHER, 8	2	2							
6	1	22360-080000	SNAP PIN 8	2	2							
7	1	26106-060102	BOLT, M6X 10 PLATED	2	2							
8	1	26106-060202	BOLT, M6X 20 PLATED	1	1							
9	1	26106-080122	BOLT, M8X 12 PLATED	2	2							

Fig.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	1						
2	2	X0283060061	ROLLER	5	5						
3	2	X0289030010	SCREW	2	2						
4	2	X9490561370	NUT	1	1						
5	2	X9491200240	BALL	1	1						
6	2	129129-77210	YOKE ASSY	1	1						
7	2	129129-77220	ARMATURE ASSY	1	1						
8	3	129129-77230	BEARING	1	1						
9	3	129129-77240	BEARING	1	1						
10	2	129129-77250	STARTER	1	1						
11	3	X0280210230	NUT	1	1						
12	3	X0283270140	RETAINER	1	1						
13	3	X9491703371	SPRING, COIL	1	1						
14	3	129129-77390	CLUTCH ASSY, STARTER	1	1						
15	4	129129-77440	BEARING	1	1						
16	4	129129-77450	BEARING	1	1						
17	3	129129-77400	SHAFT	1	1						
18	3	129129-77410	SPRING, COIL	1	1						
19	3	129129-77420	PINION	1	1						
20	3	129129-77430	RING	1	1						
21	2	129129-77260	RETAINER	1	1						
22	2	129129-77270	PINION	1	1						
23	2	129129-77280	HOUSING	1	1						
24	2	129129-77290	FRAME	1	1						
25	2	129129-77300	HOLDER ASSY	1	1						
26	3	X9491730461	SPRING	4	4						
27	2	129129-77310	SWITCH ASSY	1	1						
28	2	129129-77320	BOLT	2	2						
29	2	129129-77330	BOLT	2	2						
30	2	129129-77340	SPRING	1	1						
31	2	129129-77350	O-RING	2	2						
32	2	X0280620480	COVER	1							
32-1	2	129129-77361	BUSH	1	1						R
(A=E01658)											
34	2	129129-77380	CAP	1	1						
35	1	26116-120252	BOLT, M12X 25 PLATED	2	2						
36	1	129100-77910	RELAY, MAGNETIC	1							
36-1	1	129100-77910	RELAY, MAGNETIC	2	2						K
(A=E04486)											

Fig. 16 GENERATOR

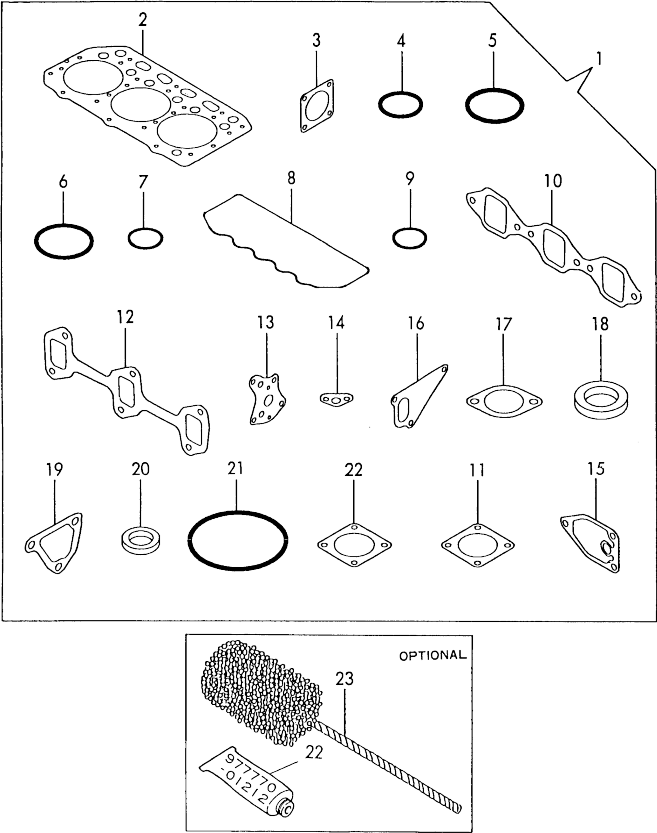


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119836-77200	GENERATOR	1	1						
2	2	119836-77700	ROTOR ASSY	1	1						
3	3	119836-77850	BALL BEARING	1	1						
4	2	119836-77710	STATOR ASSY	1	1						
5	2	119836-77721	COVER ASSY, REAR	1	1						
6	3	119836-77730	COVER, REAR	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	129136-77250	BOLT M 8X105	1	1						
23	1	119820-77340	PIECE, DISTANCE	1	1						
24	1	26366-080002	NUT, M8	1	1						
25	1	129410-77330	ADJUSTER	1	1						
26	1	26014-080252	BOLT, M8X 25	1	1						

N:Old $\xrightarrow{\text{YES}}$ New. Q:Old $\xrightarrow{\text{NO}}$ New. R:Old $\xrightarrow{\text{YES}}$ New. S:Old $\xrightarrow{\text{NO}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

Fig.17. GASKET SET & TOOL(OPTIONAL)

Fig.17 GASKET SET & TOOL (OPTIONAL)



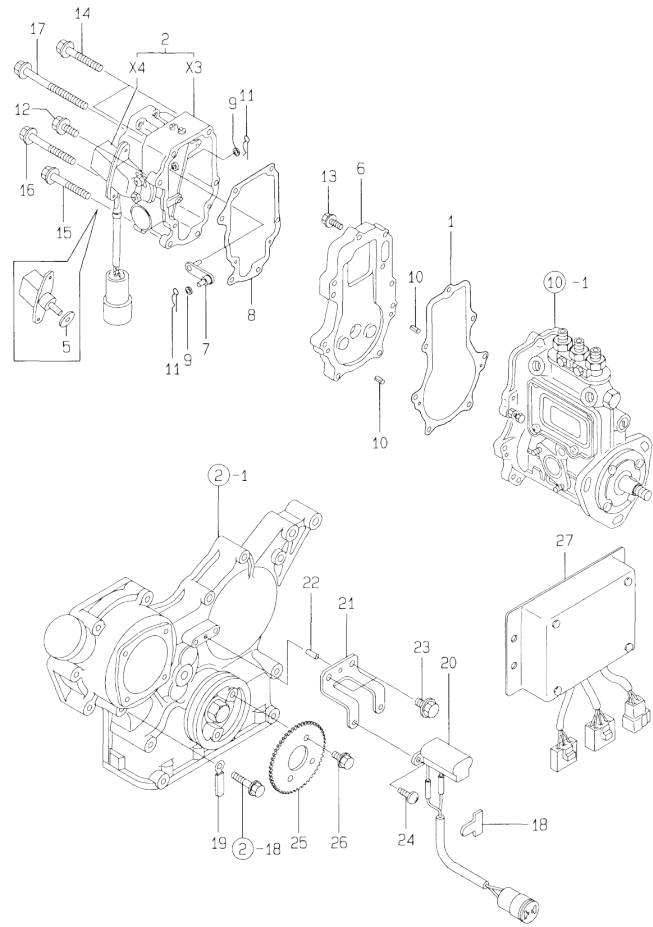
Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729219-92600	GASKET SET	1	1						1
2	2	129001-01340	GASKET, HEAD	1	1						
3	2	124240-01883	GASKET	1	1						
4	2	121850-51960	O-RING	1	1						
5	2	24311-000320	O-RING, 1AP32.0	1	1						
6	2	24341-000500	O-RING, 1AS50.0	1	1						
7	2	24311-000320	O-RING, 1AP32.0	1	1						
8	2	129150-11310	GASKET, BONNET	1	1						
9	2	24311-000120	O-RING, 1AP12.0	3	3						
10	2	129001-12110	GASKET, MANIFOLD	1	1						
11	2	129001-13110	GASKET	1	1						
12	2	129150-32020	GASKET, PUMP	1	1						
13	2	129150-35041	GASKET	1	1						
14	2	129150-35111	GASKET	1	1						
15	2	129100-42020	GASKET, WATER PUMP	1	1						
16	2	129795-49551	GASKET	1	1						
17	2	129150-49811	GASKET, THERMOSTAT	1	1						
18	2	129100-49840	GASKET	1	1						
19	2	124465-44950	GASKET, 16	2	2						
20	2	24321-000650	O-RING, 1AG65.0	1	1						
21	2	129150-77511	GASKET	1	1						
22	1	977770-01212	GASKET, LIQUID	1	1						1
23	1	129400-92420	FLEX HORN	1	1						1

OCV10-M41901

Fig.18. GOVERNOR

18. GOVERNOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	129116-61051	GASKET		1						
2	2	129611-61100	ACTUATOR		1						
5	3	129611-61180	GASKET		1						
6	2	129116-61110	SPACER		1						
7	2	129116-61120	LINK		1						
8	2	119649-61151	GASKET		1						
9	2	22117-040000	WASHER, 4		2						
10	2	22351-040010	PIN, SPRING 4.0X10		2						
11	2	22360-050000	SNAP PIN 5		2						
12	2	26106-060202	BOLT, M6X 20 PLATED		1						
13	2	26106-060222	BOLT, M6X 22 PLATED		7						
14	2	26106-060452	BOLT, M6X 45 PLATED		2						
15	2	26106-060602	BOLT, M6X 60 PLATED		1						
16	2	26106-060702	BOLT, M6X 70 PLATED		1						
17	2	26106-060852	BOLT, M6X 85 PLATED		1						
18	1	172010-08160	STICKER, WIRE		1						
19	1	194180-51640	CLAMP, HARNESS		1						
20	1	119649-78500	PULSAR		1						
21	1	129116-78510	BRACKET, PULSAR		1						
22	1	22351-040010	PIN, SPRING 4.0X10		1						
23	1	26116-060122	BOLT, M6X 12 PLATED		2						
24	1	26557-040082	SCREW, M4X 8		2						
25	1	119649-78650	GEAR, PULSAR		1						
26	1	26106-100142	BOLT, M10X 14 PLATED		2						
27	1	129219-78800	CONTROLLER, MAIN		1						

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Parts No.	Fig. No.	Ref. No.
101304-59020	12	57
101720-55750	13	28
102103-55520	13	22
103338-11190	4	17
103854-39140	12	56
104200-55321	13	2
		18
104200-55330	13	3
		19
104200-55341	13	20
104200-55750	13	10
		29
104200-59170	12	60
104407-44480	5	4
110250-55610	13	23
114250-53080	12	5
114250-53120	12	9
114250-53130	12	10
114250-53140	12	11
114250-53210	12	12
114250-53400	12	13
119265-39450	8	40
119305-59120	12	20
119600-66840	11	58 C
119620-01750	3	3
119620-49290	9	48
119625-11871	4	35
119625-11880	4	36
119625-11900	4	37
119640-01640	3	10
119645-61070	11	58 A
119645-61080	11	58 B
119649-61151	18	8
119649-78500	18	20
119649-78650	18	25
119660-61901	11	58 F
119810-51040	10	21
119810-53000	12	2
119820-77340	16	23
119821-61800	11	36
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

Parts No.	Fig. No.	Ref. No.
119836-77790	16	15
119836-77800	16	16
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
119840-59560	12	39
119840-59570	12	40
119840-59601	12	52
119843-61540	11	28
119865-35300	8	21
120130-11860	4	8
120445-44530	9	44
120445-44540	9	45
121023-01550	2	24
121111-21501	7	11
121250-59550	12	38
121254-55510	13	21
121257-55720	13	26
121257-55731	13	27
121400-11340	4	18
121450-01560	2	5
121450-42450	9	20
121520-34810	8	14
121550-23200	7	26
121850-11860	9	1
121850-21680	7	10
121850-51960	2	11
	17	4
121850-55710	13	25
121850-55800	13	17
122117-51560	10	62
122710-51090	10	24
123682-44210	9	43
124066-59100	12	37
	13	14
124160-01751	2	6
	4	53
124160-01910	1	4
124160-11360	4	50
124160-39140	8	32
124240-01871	2	7
124240-01883	2	8
	17	3
124460-11340	4	19

Parts No.	Fig. No.	Ref. No.
124465-44950	9	22
		23
	17	19
124550-21600	7	14
124550-51350	10	46
124550-51370	10	47
124550-59820	8	37
124550-66370	11	41
		41 -1
124701-11911	5	16
124732-42290	9	15
124736-07900	4	2
124766-59050	12	36
		58
		59
124770-11770	9	27
124950-51190	10	31
129001-01340	1	21
	17	2
129001-02800	1	13
129001-12110	5	1
	17	10
129001-13100	5	10
129001-13110	5	11
	17	11
129001-21000	7	1
129001-22081	7	15
129001-22500	7	17
129001-22900	7	29
129001-22950	7	31
129001-32001	8	1 -1
129001-35300	8	21 -1
129001-59811	12	24
129001-59821	12	28
129001-59831	12	32
129002-59810	12	24 -1
		28 -1
129002-59820	12	28 -2
129002-59830	12	32 -1
129002-59831	12	32 -2
129100-01580	3	1
		17
	7	2
129100-01640	3	14
129100-01730	3	6
129100-01760	3	7 -1
129100-01770	3	7
129100-11100	4	13
129100-11110	4	14
129100-11240	4	23

Parts No.	Fig. No.	Ref. No.
129100-11350	4	40
129100-11650	4	30
129100-23910	7	37
129100-25061	6	9
129100-35300	8	16
129100-35301	8	16 -1
129100-42002	9	2
129100-42003	9	2 -1
129100-42020	9	13
	17	15
129100-49800	9	26
129100-49820	9	29
129100-49830	9	30
129100-49840	9	35
	17	18
129100-51300	10	41
129100-52100	10	3
129100-55621	13	1
129100-55650	13	4
129100-55670	13	6
129100-55680	13	7
129100-55690	13	8
129100-55700	13	9
129100-59951	12	43
129100-61400	11	14
129100-61440	11	18
129100-77910	15	36
		36 -1
129110-44900	9	21
129111-65131	14	3 -1
129116-21650	7	38
129116-61051	18	1
129116-61110	18	6
129116-61120	18	7
129116-61500	11	23
129116-61890	11	39
129116-78510	18	21
129120-77501	5	7
129129-14580	6	3
129129-66860	11	61
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

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Parts No.	Fig. No.	Ref. No.
129129-77300	15	25
129129-77310	15	27
129129-77320	15	28
129129-77330	15	29
129129-77340	15	30
129129-77350	15	31
129129-77361	15	32 -1
129129-77380	15	34
129129-77390	15	14
129129-77400	15	17
129129-77410	15	18
129129-77420	15	19
129129-77430	15	20
129129-77440	15	15
129129-77450	15	16
129132-49050	9	40
129136-77250	16	22
129150-01200	1	20
129150-01650	3	15
129150-02020	1	10
129150-02450	6	4
129150-02870	1	22
129150-02930	1	16
129150-02940	1	25
129150-03020	4	42
129150-03070	4	43
129150-03080	4	44
129150-03100	2	10
129150-11230	4	31
129150-11280	4	26
129150-11290	4	27
129150-11310	4	46
	17	8
129150-11370	4	20
129150-11750	4	33
129150-11810	4	10
129150-14101	6	6
129150-14200	6	1
129150-14400	6	2
129150-21200	7	4
129150-21650	7	8
129150-23600	7	27
129150-23610	7	35
129150-25061	6	12
129150-25101	6	10
129150-25900	10	103
129150-32000	8	1
129150-32020	8	11
	17	12
129150-35041	8	15

Parts No.	Fig. No.	Ref. No.
129150-35041	17	13
129150-35101	8	18
129150-35111	8	19
	17	14
129150-35151	8	20
129150-35350	8	29
129150-39450	8	33
129150-49811	9	34
	17	17
129150-59131	12	23
129150-59511	12	61
129150-59580	12	41
	13	15
129150-77511	5	8
	17	21
129155-11260	4	24
129155-11270	4	25
129155-42350	9	16
129155-49800	9	33
129155-51020	10	20
129155-51050	10	22
129155-51060	10	23
129155-51140	10	28
129155-51180	10	30
129155-51200	10	32
129155-51270	10	39
129155-51280	10	40
	11	1
		1 -1
129155-51320	10	44
129155-51340	10	45
129155-51370	10	48
129155-51380	10	49
129155-51390	10	50
129155-51400	10	51
129155-51410	10	52
129155-51420	10	53
129155-51450	10	54
129155-51500	10	59
129155-51521	10	60
129155-51530	10	101 A
129155-51540	10	101 B
129155-51550	10	61
129155-51570	10	64
129155-51580	10	65
129155-51591	10	101 C
129155-51600	10	66
129155-51700	10	85
129155-51710	10	86
129155-51750	10	87

Parts No.	Fig. No.	Ref. No.
129155-51760	10	88
129155-51790	10	89
129155-51930	10	91
129155-51940	10	92
129155-52050	10	2
129155-61012	11	2
129155-61013	11	2 -1
129155-61050	11	3
129155-61060	11	4
129155-61070	11	5
129155-61120	11	6
129155-61130	11	7
129155-61140	11	8
129155-61341	11	13
129155-61350	11	58 G
129155-61360	11	58 H
129155-61380	11	22 -1
129155-61430	11	17
129155-61450	11	19
129155-61460	11	20
129155-61470	11	59
129155-61480	11	21
129155-61490	11	22
129155-61540	11	29
129155-61810	11	37
129155-61830	11	38
129155-61950	11	40
129156-51910	10	90
129158-52020	10	5
129158-52060	10	7
129158-52070	10	8
129158-52080	10	9
129158-52090	10	10
129158-52160	10	11
129158-52250	10	12
129158-52260	10	13
129158-52270	10	14
129158-52350	10	15
129158-52360	10	16
129158-52370	10	17
129158-52380	10	18
129175-67350	14	3
129175-67380	14	4 -1
129176-61730	11	60 -1
129202-22300	7	21
129219-03100	4	1
129219-12100	5	3
129219-12700	5	2
129219-61050	11	4 -1
129219-78800	18	27

Parts No.	Fig. No.	Ref. No.
129255-59580	12	42
		62
129350-49530	9	24
129400-01520	2	4
129400-92420	17	23
129410-03990	4	52
129410-77330	16	25
129411-44500	9	42
129477-61720	11	60
129486-01670	3	18 -1
129500-61650	11	35
129506-51100	10	25
129577-67320	14	2
129577-67380	14	4
129611-61100	18	2
129611-61180	18	5
129795-01780	3	16
129795-01800	2	3
129795-01950	2	9
129795-02411	1	19
129795-11120	4	15
129795-11180	4	16
129795-21661	7	9
129795-49551	9	25
	17	16
131110-66420	11	58
171051-01921	1	5
171078-66551	14	1
171301-01640	3	10 -1
171301-49010	9	46
171301-49020	9	47
171340-21590	7	12
171340-44740	9	17
171353-44760	9	18
171420-01600	3	2
171420-34820	8	13
171488-61200	11	9
171488-61440	11	18 -1
172010-08160	18	18
174307-51170	10	29
174307-51560	10	63
194180-51640	18	19
194990-22050	5	12
22117-040000	11	42
	18	9
22117-080000	11	62
	14	5
22190-060002	11	55
		55 -1
22190-060003	11	58 D

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Parts No.	Fig. No.	Ref. No.
22190-080002	2	22
		23
22190-100002	11	56
22190-120002	11	57
	12	60 -1
22190-160002	10	101
22190-220002	3	9
22217-050000	10	101 D
22217-060000	10	93
22217-120000	10	104
22252-000260	7	22
22272-000040	11	33
22272-000060	11	43
22287-120000	11	44
22351-040010	7	7
	18	10
		22
22351-050010	10	94
22351-060012	4	21
22360-050000	18	11
22360-080000	14	6
22372-040000	11	45
22372-080000	11	63
22512-070140	6	7
	7	5
23000-016000	9	41
23414-080000	8	38
23414-100000	8	39
23414-120000	12	51
23418-060000	13	30
23871-010000	1	6
23871-030000	9	12
		31
23887-100002	11	46
24101-063034	10	95
24311-000120	4	51
	17	9
24311-000160	2	12
	8	30
	13	11
24311-000320	2	13
	4	54
	17	5
		7
24311-240100	11	47
	13	12
		31
24321-000650	13	13
	17	20
24341-000160	10	96

Parts No.	Fig. No.	Ref. No.
24341-000240	2	25
24341-000250	3	9 -1
24341-000500	4	48
	17	6
25132-003700	9	15 -1
26014-080252	16	26
26014-080702	13	16
26022-050102	10	97
	11	48
		48 -1
26022-060162	10	98
26023-050102	11	49
26106-060102	11	58 E
	14	7
26106-060122	2	26
26106-060202	11	50
	14	8
	18	12
26106-060222	18	13
26106-060252	11	51
26106-060352	9	19
26106-060452	18	14
26106-060602	18	15
26106-060702	18	16
26106-060852	18	17
26106-080122	2	14
	14	9
26106-080142	4	3
	6	8 -1
26106-080162	2	15
		16
	3	11
	4	49
	6	8
26106-080202	2	17
	5	5
	8	31
	9	36
26106-080252	3	12
	4	38
	9	37
26106-080302	3	18
26106-080352	3	19
	5	9
	8	17
26106-080402	5	13
26106-080452	2	18
	3	13
		13 -1
	6	13

Parts No.	Fig. No.	Ref. No.
26106-080502	3	21
	4	39
	9	38
26106-080552	2	19
26106-080602	9	14
		39
26106-080802	5	6
26106-080852	2	20
26106-100142	18	26
26116-050302	10	99
26116-060122	18	23
26116-060162	9	32
26116-120252	15	35
26206-100252	3	4
26206-100302	3	5
26216-060202	4	11
26216-080222	5	15
26216-080402	5	14
26226-080182	4	34
26366-060002	4	22
26366-080002	2	21
	11	52
	16	24
26450-060252	8	12
26557-040082	18	24
26687-120002	11	64
26716-060002	10	100
26716-120002	10	105
26756-060002	11	53
26776-120002	11	54
27231-500000	1	7
27241-120000	1	8
27241-300000	1	9
27241-400000	4	12
27310-080001	4	17 -1
719810-01500	2	1
719810-53100	12	1
729001-01560	1	1
729001-11700	4	4
729212-51210	10	1 A
729219-51310	10	1
729219-92600	17	1
729402-23100	7	23
977770-01212	2	27
	3	20
	17	22
X0280210230	15	11
X0280620480	15	32
X0283060061	15	2
X0283270140	15	12

Parts No.	Fig. No.	Ref. No.
X0289030010	15	3
X9490561370	15	4
X9491200240	15	5
X9491703371	15	13
X9491730461	15	26