

0CV10-M97400EN

PREFACE

- 1.This Parts Catalog carries all parts incorporated in YANMAR Model 3TNV88-XAMM engine manufactured since May, 2004.
- 2.Each illustration corresponds to the parts list on the following page.
- 3.When ordering parts,clearly write down the engine model and serial number,as well as the name and number of each part in your order sheet. This will help insure reliable delivery of the parts you have ordered.

Directions for the Parts Catalog.

- 1.The parts stipulated in this Parts Catalog are not necessarily standard equipped parts.
- 2.Parts may change without prior notice.
- 3.The following is an example of the Parts Catalog format.

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

When a part change takes place, one of the following interchangeability symbols is indicated beside the part.

Symbol	Interchangeability	Contents note
N	Old $\xrightarrow{\text{Yes}}$ New No	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\xrightarrow{\text{No}}$ New Yes	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\xrightarrow{\text{Yes}}$ New Yes	New/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New No	New/ Old Parts are both not interchangeable.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable by a single part but interchangeable together with related parts.
K		Changes only for used parts quantities.

④ Effective Machine No.

When a part changes, the effective Machine No. will be indicated in the (A)-(F) column.

Product Symbol	Product No.	Product Symbol	Product No.
C	Clutch No. Compressor No.	F	Machine No. (Agricultural Equip.)
D	Drive No.	M	Machine No.
E	Engine No.		

Note 1) A date may follow the symbol. (Ex.) 1996.01

Note 2) "XXXXX" and "ZZZZZ" are for parts that could not be predicted or for engine models that could not be identified.

Note 3) (A=E00185) is the E (Engine Serial Number) for the column (A) model (in this case 4JH-DT) after the parts design change.

⑤ Remarks Mark

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

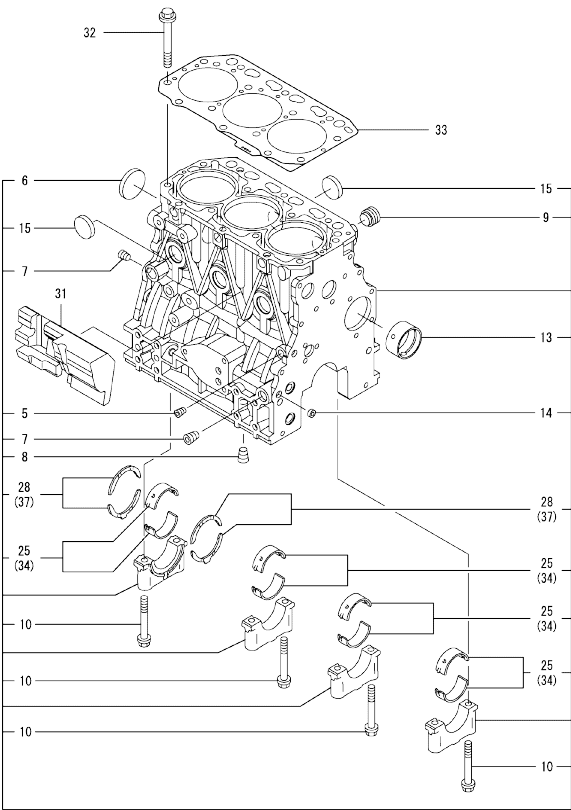
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

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4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD		
6.	EXHAUST MANIFOLD & SILENCER		
7.	CAMSHAFT & DRIVING GEAR		
8.	CRANKSHAFT & PISTON		
9.	LUB.OIL SYSTEM		
10.	COOLING WATER SYSTEM		
11.	FUEL INJECTION PUMP		
12.	FUEL INJECTION VALVE		
13.	FUEL LINE		
14.	STARTING MOTOR		
15.	GENERATOR		
16.	GASKET SET		

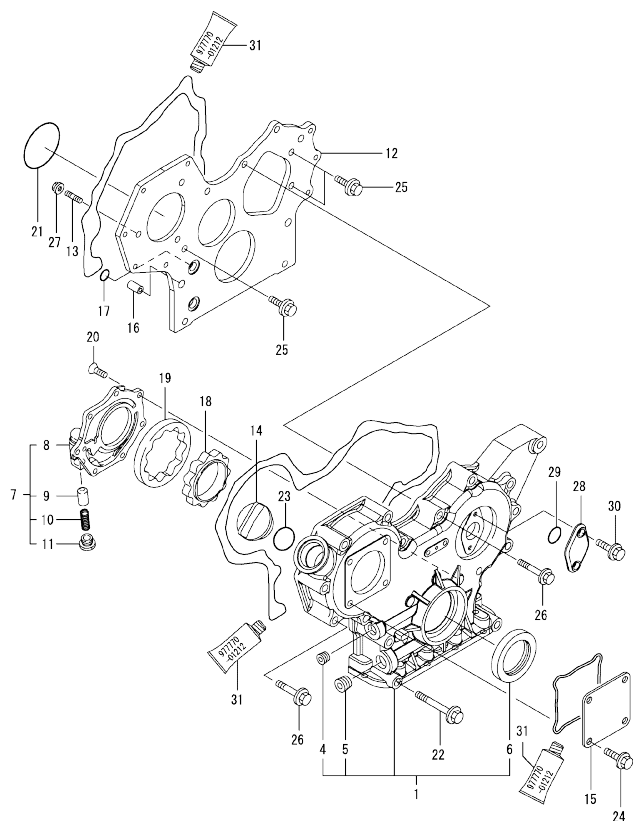
Fig.1. CYLINDER BLOCK



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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-01560	BLOCK ASSY, CYLINDER	1							
5	2	124060-01050	PLUG, PT1/8	1							
6	2	129001-01250	PLUG, 50	1							
7	2	124160-01910	PLUG, PT1/4	2							
8	2	124160-01910	PLUG, PT1/4	1							
9	2	171051-01921	PLUG, NPTF1	1							
10	2	129150-02020	BOLT, METAL CAP	8							
13	2	129795-02411	BUSH, CAMSHAFT	1							
14	2	27241-120000	PLUG, 12	2							
15	2	27241-300000	PLUG 30	6							
25	2	129001-02930	BEARING, MAIN	4							3
28	2	129150-02930	BEARING, THRUST	2							
31	1	129004-01190	SPACER	1							
32	1	129150-01200	BOLT, HEAD	14							
33	1	129001-01340	GASKET, HEAD	1							
34	1	129150-02870	BEARING, 0.25 US	4							1
37	1	129150-02940	BEARING, THRUST 0.25	1							2

Fig.2. GEAR HOUSING

Remarks
(1) OPTIONAL PART.

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

(A)=3TNV88-XAMM
(B)=
(C)=

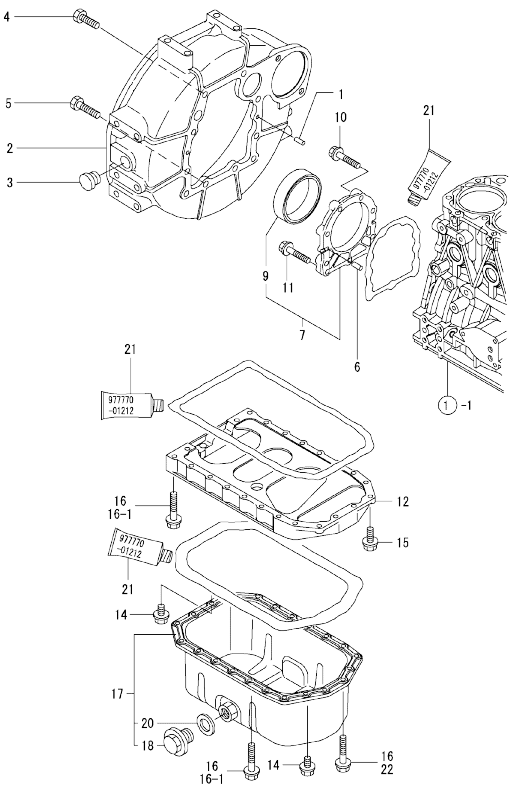
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719802-01500	CASE ASSY, GEAR	1							
4	2	23876-030000	PLUG, R03	1							
5	2	23876-040000	PLUG, R04	1							
6	2	129795-01800	SEAL, OIL	1							
7	1	119802-32100	COVER ASSY	1							
8	2	119802-32070	COVER	1							
9	2	129900-32130	VALVE, RELIEF	1							
10	2	129418-32320	SPRING	1							
11	2	129001-32330	PLUG	1							
12	1	119802-01520	FLANGE, GEAR CASE	1							
13	1	119802-01560	STUD, M8X25	3							
14	1	124160-01751	COVER, FILLER	1							
15	1	124240-01871	COVER	1							
16	1	129795-01950	PIPE, KNOCK L=18	2							
17	1	119609-32040	O-RING, P16	4							
18	1	119802-32111	ROTOR, INNER	1							
19	1	119802-32120	ROTOR, OUTER	1							
20	1	119802-32130	SCREW, M6X16	7							
21	1	121850-51960	O-RING	1							
22	1	129001-91841	BOLT, M8X85	3							
23	1	24311-000320	O-RING, 1AP32.0	1							
24	1	26106-080162	BOLT, M8X 16 PLATED	4							
25	1	26106-080162	BOLT, M8X 16 PLATED	3							
26	1	26106-080552	BOLT, M8X 55 PLATED	12							
27	1	26306-080002	NUT, M8	3							
28	1	121023-01550	COVER	1							
29	1	24341-000240	O-RING, 1AS24.0	1							
30	1	26106-060162	BOLT, M6X 16 PLATED	2							
31	1	977770-01212	GASKET, LIQUID	1							1

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

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Fig.3. FLYWHEEL HOUSING & OIL SUMP



Remarks
(1) OPTIONAL PART.

0CV10-M97400 Fig.3

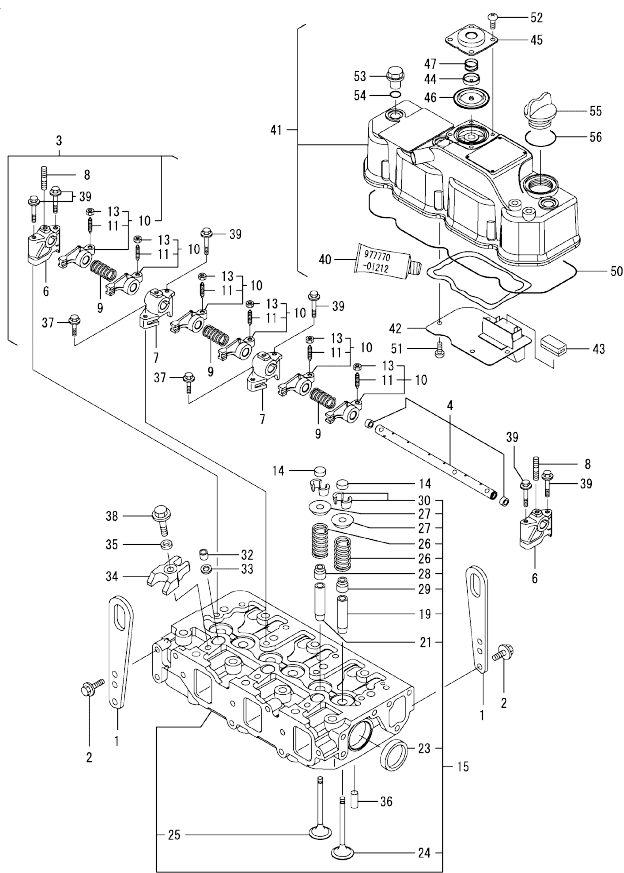
(A)=3TNV88-XAMM
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2							
2	1	129612-01600	HOUSING, FLYWHEEL	1							
3	1	119620-01750	CAP	1							
4	1	26206-100252	BOLT, M10X 25 PLATED	6							
5	1	26206-100302	BOLT, M10X 30 PLATED	4							
6	1	129100-01580	PIN, M8X16	2							
7	1	129100-01640	CASE ASSY, OIL SEAL	1							
9	2	129795-01780	SEAL, OIL	1							
10	1	129486-01670	BOLT, M8X30	6							
11	1	26106-080352	BOLT, M8X 35 PLATED	3							
12	1	129100-01730	SPACER, OIL SUMP	1							
14	1	26106-080162	BOLT, M8X 16 PLATED	4							
15	1	26106-080252	BOLT, M8X 25 PLATED	2							
16	1	26106-080452	BOLT, M8X 45 PLATED	20							
16-1	1	26106-080452	BOLT, M8X 45 PLATED	16							K
(A=FROM 1ST)											
17	1	129100-01760	SUMP ASSY, OIL	1							
18	2	119640-01640	PLUG, DRAIN M22	1							
20	2	22190-220002	WASHER, SEAL 22	1							
21	1	977770-01212	GASKET, LIQUID	1							1
22	1	26106-080502	BOLT, M8X 50 PLATED	4							W
(A=FROM 1ST)											

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{YES}{NO}$ New, R:Old $\frac{YES}{NO}$ New, S:Old $\frac{YES}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.4. CYLINDER HEAD & BONNET



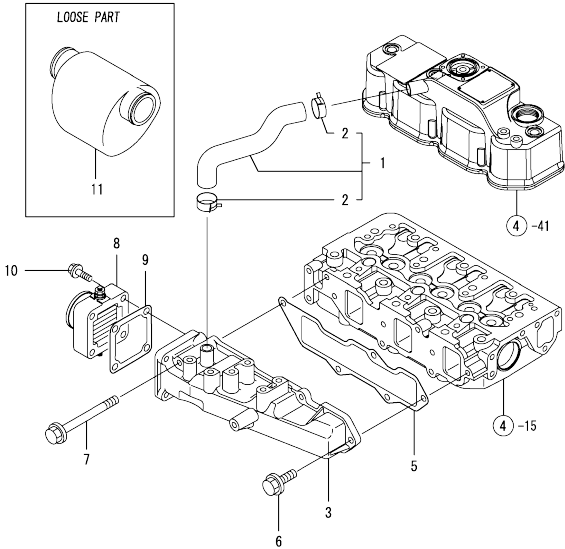
Remarks
(1) REPAIR PART.
(2) OPTIONAL PART.

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(B)=
(C)=

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

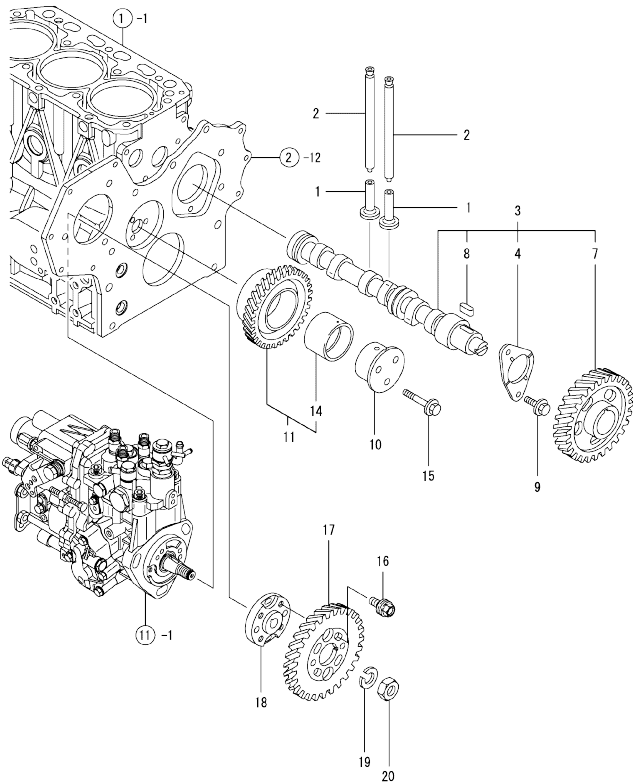
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER	2							
2	1	26106-080142	BOLT, M8X 14 PLATED	4							
3	1	129004-11241	SHAFT ASSY, ROCKER	1							
4	2	129004-11251	SHAFT, ROCKER ARM	1							
6	2	119802-11260	SUPPORT, ROCKER ARM	2							
7	2	119802-11270	SUPPORT, ROCKER ARM	2							
8	2	119802-11280	STUD	3							
9	2	129150-11280	SPRING	3							
10	2	129004-11650	ARM, ROCKER	6							
11	3	129150-11230	SCREW, VALVE ADJUST	6							
13	3	129150-11750	NUT, M8	6							
14	1	129150-11370	CAP, VALVE	6							
15	1	129004-11700	HEAD ASSY, CYLINDER	1							
19	2	120130-11860	GUIDE, VALVE	3							1
21	2	129150-11810	GUIDE, VALVE	3							1
23	2	27241-400000	PLUG, 40	2							
24	2	129004-11100	VALVE, INTAKE	3							
25	2	129100-11110	VALVE, EXHAUST	3							
26	2	129795-11120	SPRING, VALVE	6							
27	2	129795-11180	RETAINER, SPRING	6							
28	2	121400-11340	SEAL, VALVE STEM	3							
29	2	124460-11340	SEAL, VALVE STEM	3							
30	2	27310-080001	COTTER, 8	6							
32	1	119802-11870	PROTECTOR, NOZZLE	3							
33	1	119625-11880	SEAT, NOZZLE	3							
34	1	129004-11900	RETAINER, NOZZLE	3							
35	1	120270-54410	WASHER, INJECTOR	3							
36	1	22351-060012	PIN, SPRING 6.0X12	2							
37	1	26106-080252	BOLT, M8X 25 PLATED	2							
38	1	26106-080352	BOLT, M8X 35 PLATED	3							
39	1	26106-080502	BOLT, M8X 50 PLATED	6							
40	1	977770-01212	GASKET, LIQUID	1							2
41	1	129004-11350	BONNET ASSY, HEAD	1							
42	2	129004-03010	PLATE	1							
43	2	129150-03070	BAFFLE, BREATHER	1							
44	2	119802-03110	PLATE	1							
45	2	119802-03120	COVER, DIAPHRAGM	1							
46	2	119802-03130	DIAPHRAGM	1							
47	2	119802-03140	SPRING, DIAPHRAGM	1							
50	2	129004-11310	GASKET, BONNET	1							
51	2	22857-500100	SCREW, 5X10	4							
52	2	22857-500100	SCREW, 5X10	4							
53	1	124160-11360	KNOB	3							
54	1	24311-000120	O-RING, 1AP12.0	3							
55	1	124160-01751	COVER, FILLER	1							
56	1	24311-000320	O-RING, 1AP32.0	1							

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Fig.5. SUCTION MANIFOLD



							0CV10-M97400 Fig.5					
							(A)=3TNV88-XAMM					
							(D)=					
							(E)=					
							(F)=					
							Q'ty					
No.	Lev.	Parts No.	Description				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129004-03080	PIPE , BREATHER				1					
2	2	129410-03990	CLAMP 22				2					
3	1	129004-12100	MANIFOLD, AIR INTAKE				1					
5	1	129001-12110	GASKET, MANIFOLD				1					
6	1	26106-080202	BOLT, M8X 20 PLATED				4					
7	1	26106-080802	BOLT, M8X 80 PLATED				1					
8	1	129120-77501	HEATER				1					
9	1	129150-77511	GASKET				1					
10	1	26106-080352	BOLT, M8X 35 PLATED				4					
11	1	121855-12060	SILENCER ASSY				1					

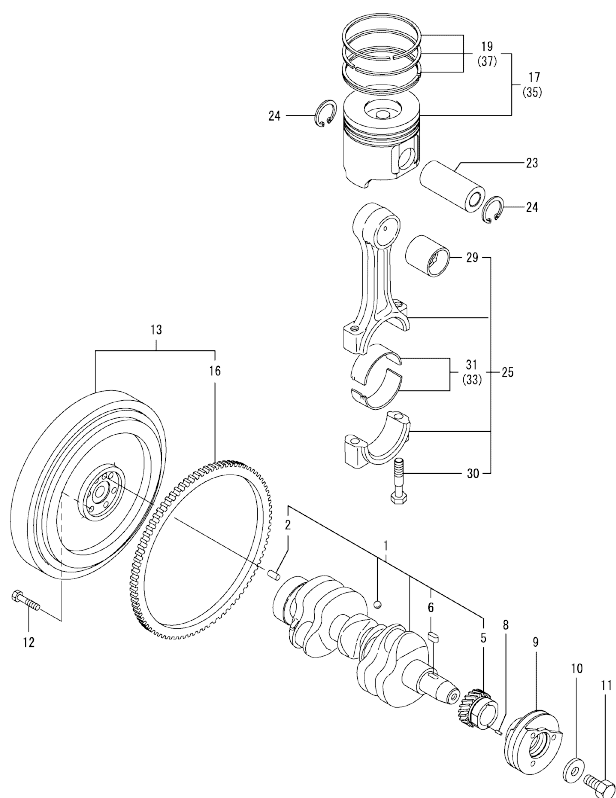
Fig.7. CAMSHAFT & DRIVING GEAR



Remarks
(1) REPAIR PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	6							
2	1	129150-14400	ROD, PUSH L=178	6							
3	1	129129-14580	CAMSHAFT ASSY	1							
4	2	129150-02450	BEARING, THRUST	1							
7	2	129150-14101	GEAR, CAMSHAFT	1							
8	2	22512-070140	KEY, 7X 14	1							
9	1	26106-080142	BOLT, M8X 14 PLATED	2							
10	1	119802-25051	SHAFT, IDLE	1							
11	1	119802-25100	GEAR ASSY, IDLE	1							
14	2	119802-25070	BUSH, IDLE GEAR	1							1
15	1	26106-080402	BOLT, M8X 40 PLATED	3							
16	1	129150-25301	BOLT	4							
17	1	119802-25901	GEAR, PUMP	1							
18	1	158552-51151	FLANGE	1							
19	1	22217-140000	WASHER, SPRING 14	1							
20	1	26776-140002	NUT, LOCK M14	1							

Fig.8. CRANKSHAFT & PISTON



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

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

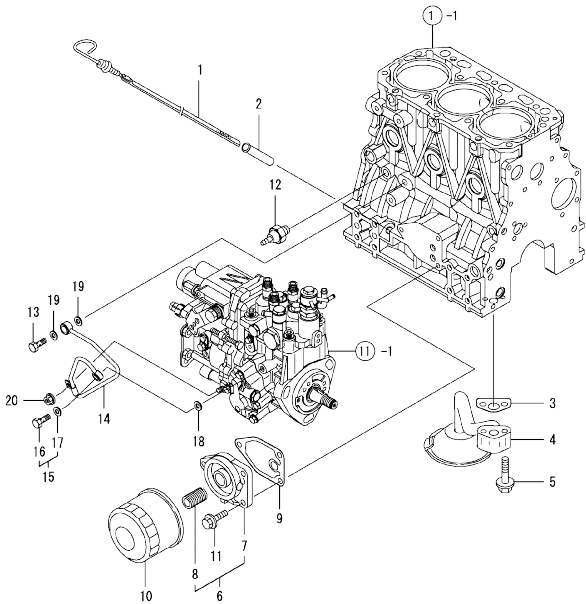
(A)=3TNV88-XAMM
(B)=
(C)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129004-21002	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
5	2	119802-21202	GEAR, CRANKSHAFT	1							
6	2	22512-070140	KEY, 7X 14	1							
8	1	12351-030010	PIN, SPRING 3.0X10	1							
9	1	129004-21650	V-PULLEY, 110	1							
10	1	129795-21661	WASHER	1							
11	1	121850-21680	BOLT	1							
12	1	121111-21501	BOLT, FLYWHEEL	6							
13	1	129128-21590	FLYWHEEL ASSY	1							
16	2	119865-21600	GEAR, RING	1							
17	1	129005-22080	PISTON ASSY	3							
19	2	129005-22500	RING SET, PISTON	3							
23	1	129202-22300	PIN, PISTON D26 L70	3							
24	1	22252-000260	RING, 26	6							
25	1	729402-23100	ROD ASSY, CONNECTING	3							
29	2	129100-23910	BEARING, PISTON PIN	3							1
30	2	121550-23200	BOLT, CONNECTING ROD	6							
31	2	129150-23600	BEARING, CRANK PIN	3							
33	1	129150-23610	BEARING, 0.25 US	3							2
35	1	129005-22900	PISTON ASSY, 0.25 OS	3							3
37	2	129005-22950	RING SET, 0.25 OS	3							

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.9. LUB.OIL SYSTEM



Remarks
(1) REPAIR PART.

0CV10-M97400 Fig.9

(A)=3TNV88-XAMM
(B)=
(C)=

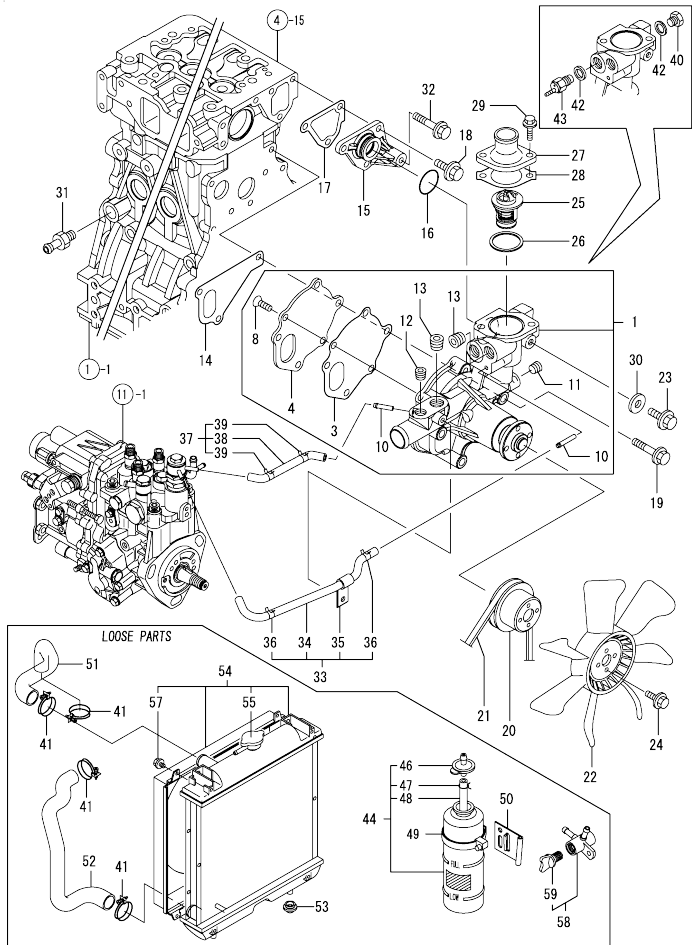
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-34801	DIPSTICK, OIL	1							
2	1	121520-34810	GUIDE, DIPSTICK	1							
3	1	129150-35041	GASKET	1							
4	1	129100-35301	PIPE ASSY, OIL INLET	1							
5	1	26106-080352	BOLT, M8X 35 PLATED	2							
6	1	119802-35100	BRACKET ASSY, FILTER	1							
7	2	119802-35110	BRACKET, FILTER	1							
8	2	129100-35140	STUD	1							
9	1	129150-35111	GASKET	1							
10	1	129150-35170	FILTER,LO	1							1
11	1	26106-080202	BOLT, M8X 20 PLATED	3							
12	1	114250-39450	SWITCH, 0.5KG	1							
13	1	124160-39140	BOLT, PIPE JOINT M10	1							
14	1	119802-39450	PIPE ASSY, OIL	1							
15	1	129005-59830	BOLT ASSY, JOINT M8	1							
16	2	23857-030000	BOLT, JOINT 3	1							
17	2	22190-080002	WASHER, SEAL 6	1							
18	1	22190-080002	WASHER, SEAL 6	1							
19	1	22190-100002	WASHER, SEAL 10	2							
20	1	26366-060002	NUT, M6	1							

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{YES}{NO}$ New, R:Old $\frac{YES}{NO}$ New, S:Old $\frac{YES}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.10. COOLING WATER SYSTEM



0CV10-M97400 Fig.10

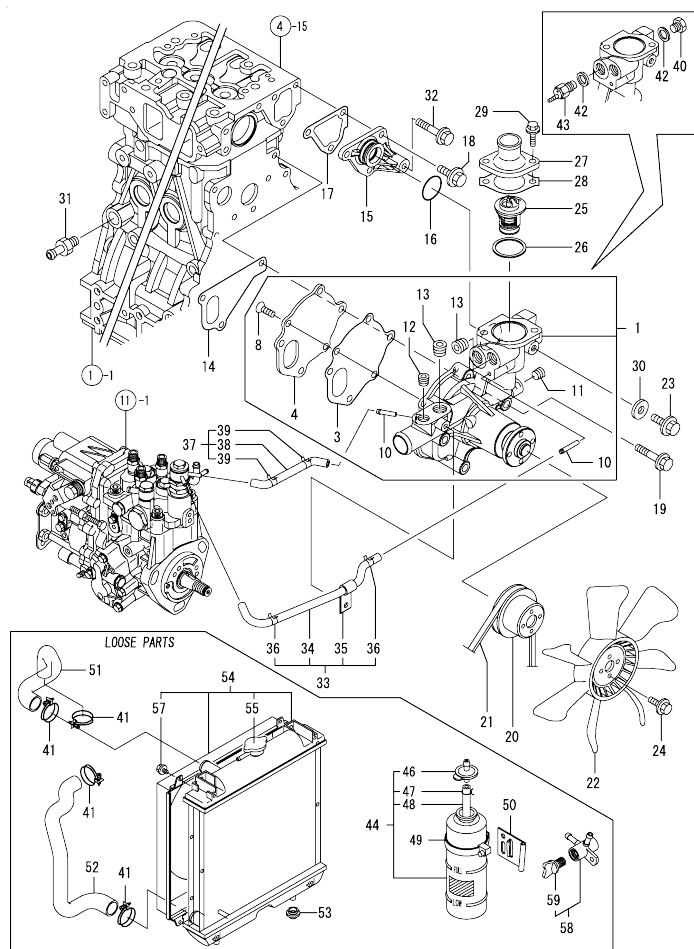
(A)=3TNV88-XAMM
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-42001	PUMP ASSY, WATER	1							
3	2	129100-42051	GASKET, WATER PUMP	1							
4	2	129100-42121	PLATE	1							
8	2	121850-42410	SCREW	3							
10	2	119802-49113	JOINT, PIPE	2							
11	2	23876-010000	PLUG, R01	1							
12	2	23876-020000	PLUG, R02	1							
13	2	129916-49740	PLUG, R03	2							
14	1	129486-42021	GASKET, WATER PUMP	1							
15	1	129004-42040	JOINT	1							
16	1	129486-42140	O-RING, G30	1							
17	1	124395-49840	GASKET	1							
18	1	26106-080162	BOLT, M8X 16 PLATED	3							
19	1	26106-080602	BOLT, M8X 60 PLATED	3							
20	1	129155-42350	V-PULLEY	1							
21	1	25132-003700	V-BELT, A37	1							
22	1	119717-44740	FAN, COOLING D335X7	1							
23	1	26106-080122	BOLT, M8X 12 PLATED	1							
24	1	26106-060122	BOLT, M6X 12 PLATED	4							
25	1	129155-49801	THERMOSTAT, 71	1							
26	1	129150-49811	GASKET, THERMOSTAT	1							
27	1	129350-49530	COVER, THERMOSTAT	1							
28	1	129795-49551	GASKET	1							
29	1	26106-080222	BOLT, M8X 22 PLATED	2							
30	1	23414-080000	GASKET, 8X1.0	1							
31	1	121550-49111	JOINT, PT1/4	1							
32	1	26106-080452	BOLT, M8X 45 PLATED	1							
33	1	129004-49610	PIPE ASSY, WATER	1							
34	2	129004-49711	PIPE ASSY, WATER	1							
35	2	119802-49730	RETAINER, PIPE	1							
36	2	124722-59050	CLIP, HOSE 9	2							
37	1	129004-49620	PIPE ASSY, WATER	1							
38	2	129004-49721	PIPE ASSY, WATER	1							
39	2	124722-59050	CLIP, HOSE 9	2							
40	1	121450-42450	PLUG, M16	1							
41	1	23010-038000	CLAMP, 38	4							
42	1	124465-44950	GASKET, 16	2							
43	1	121250-44901	SWITCH, 110	1							
44	1	124450-44510	TANK ASSY, SUB	1							
46	2	124450-44530	CAP	1							
47	2	124450-44560	RETAINER	1							
48	2	23061-070230	PIPE, 7X 230	1							
49	1	124450-44550	BAND	1							
50	1	121256-44600	BRACKET, SUB TANK	1							
51	1	129004-49010	PIPE, WATER	1							
52	1	129004-49020	PIPE, WATER	1							
53	1	119255-44660	ABSORBER	2							
54	1	129004-44500	RADIATOR ASSY	1							
55	2	129107-44590	CAP, RADIATOR	1							
57	2	26014-060122	BOLT, M6X 12	4							
58	1	129150-49100	COCK ASSY, 3-WAY	1							

N:Old, Q:New, R:Old, S:Old, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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Fig.10. COOLING WATER SYSTEM



0CV10-M97400 Fig.10

(A)=3TNV88-XAMM
(B)=
(C)=

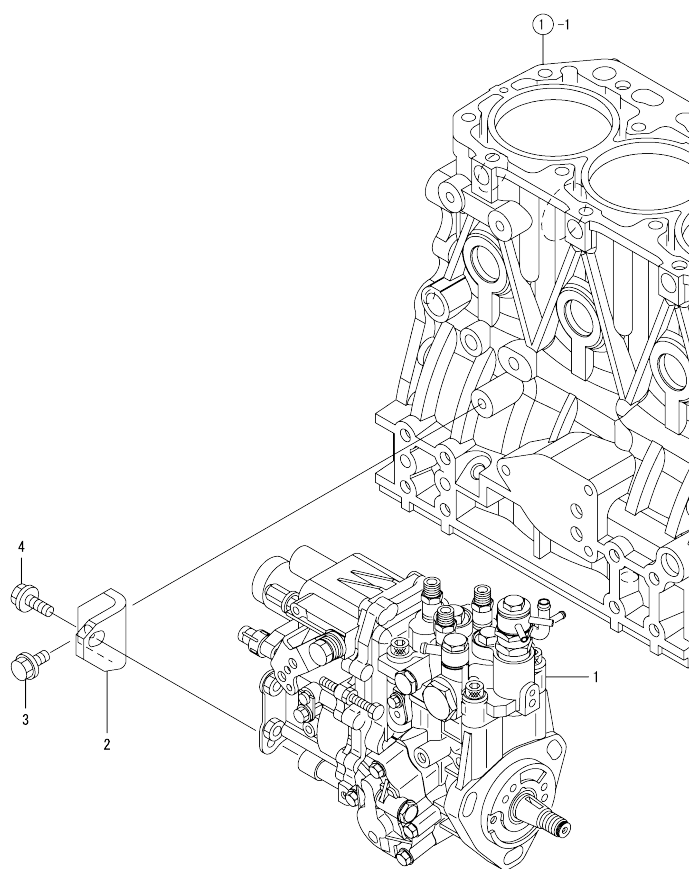
(D)=
(E)=
(F)=

Q'ty

[illegible]

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:Q'ty Change

Fig.11. FUEL INJECTION PUMP



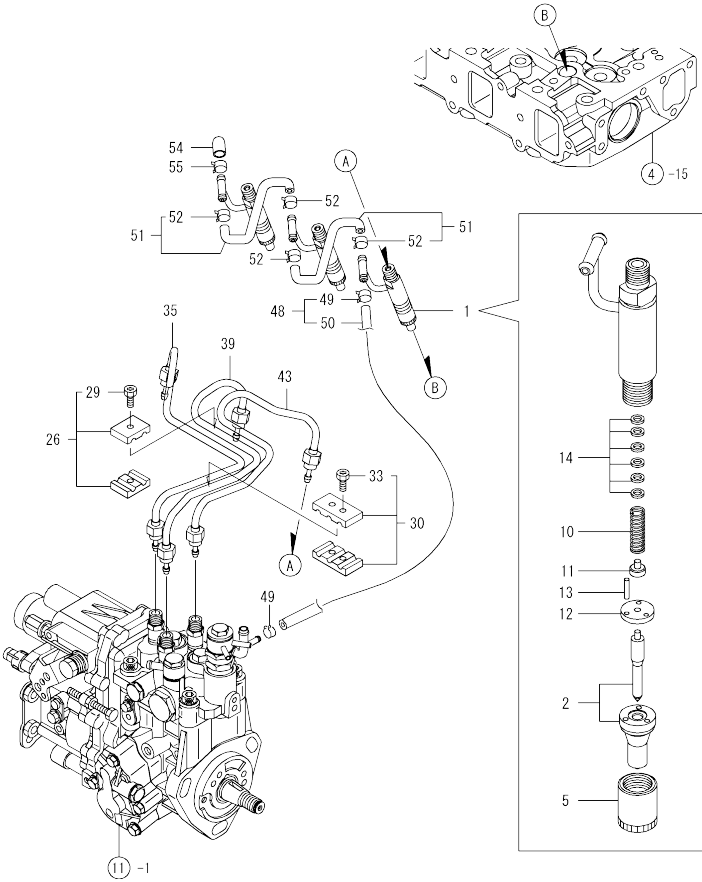
(A)=3TNV88-XAMM
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729245-51320	PUMP ASSY, INJECTION	1							
2	1	119802-51250	RETAINER, PUMP	1							
3	1	26106-080162	BOLT, M&X 16 PLATED	1							
4	1	26106-080202	BOLT, M&X 20 PLATED	1							

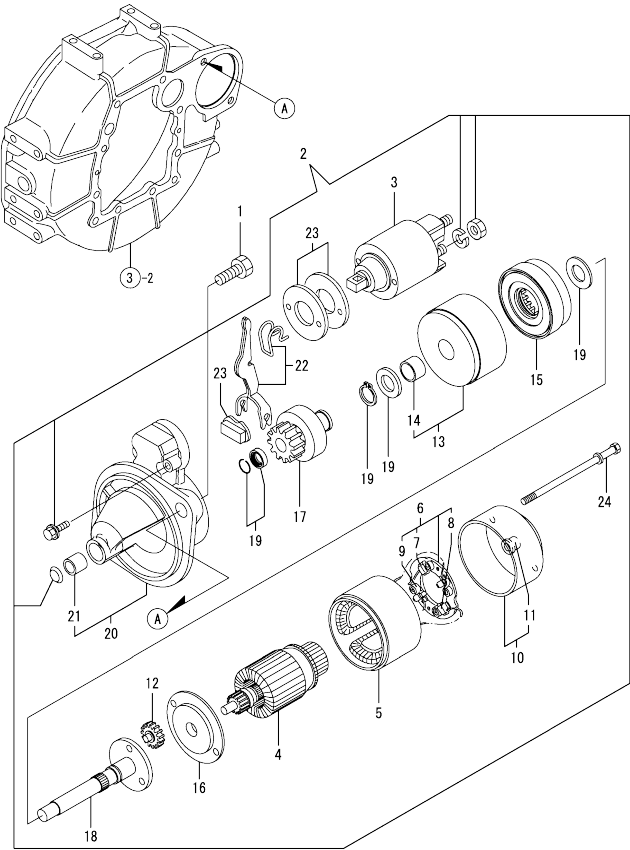
N:Old $\frac{\text{Yes}}{\text{No}}$ New. Q:Old $\frac{\text{No}}{\text{Yes}}$ New. R:Old $\frac{\text{Yes}}{\text{Yes}}$ New. S:Old $\frac{\text{No}}{\text{No}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

Fig.12. FUEL INJECTION VALVE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729645-53100	VALVE ASSY,INJECTION	3							
2	2	129602-53001	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
10	2	114250-53120	SPRING, NOZZLE	3							
11	2	114250-53130	SEAT, SPRING	3							
12	2	114250-53140	PLATE	3							
13	2	114250-53210	PIN	6							
14	2	114250-53400	SHIM SET	3							
26	1	119305-59120	RETAINER, PIPE	1							
29	2	129150-59131	BOLT, M4X14	1							
30	1	129150-59120	RETAINER, PIPE	1							
33	2	129150-59131	BOLT, M4X14	2							
35	1	129004-59810	PIPE ASSY, INJECTION	1							
39	1	129004-59820	PIPE ASSY, INJECTION	1							
43	1	129004-59830	PIPE ASSY, INJECTION	1							
48	1	119802-59550	PIPE ASSY, RETURN	1							
49	2	124722-59050	CLIP, HOSE 9	2							
50	2	119802-59560	PIPE, FUEL RETURN	1							
51	1	129486-59551	PIPE ASSY, RETURN	2							
52	2	124722-59050	CLIP, HOSE 9	4							
54	1	119593-59580	CAP	1							
55	1	124060-77680	CLIP, HOSE 10	1							

Fig.14. STARTING MOTOR

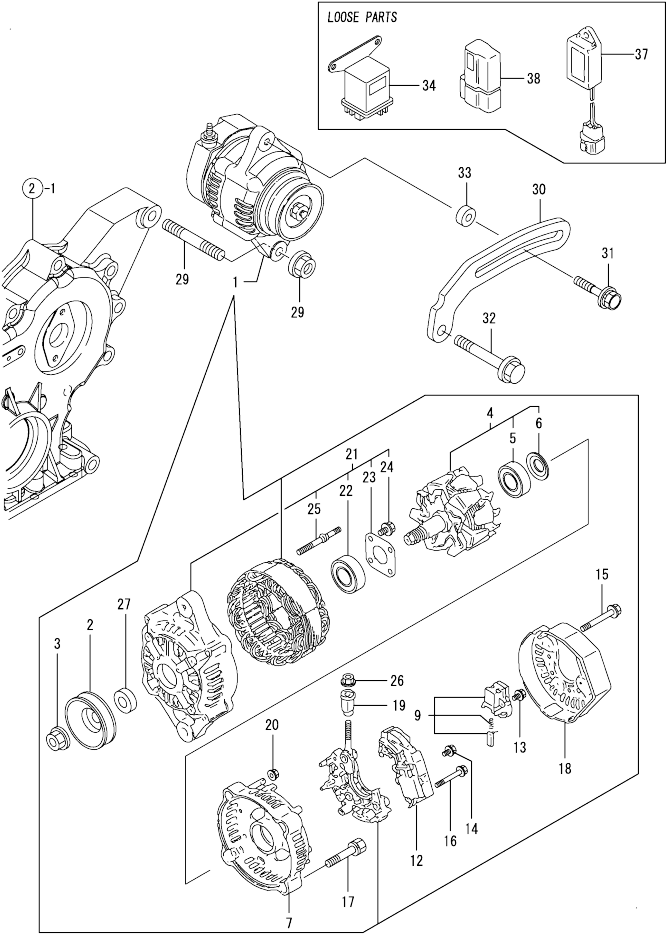


(A)=3TNV88-XAMM
(B)=
(C)=

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

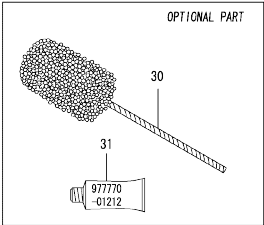
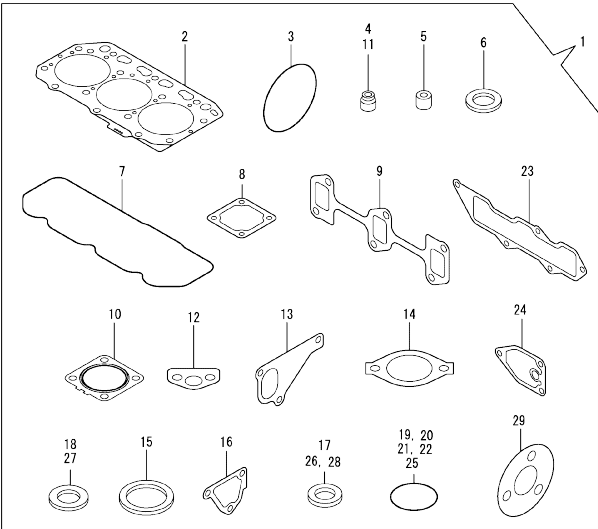
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	26116-120252	BOLT, M12X 25 PLATED	2							
2	1	129242-77010	STARTER	1							
3	2	129698-77020	MAGNETIC SWITCH ASSY	1							
4	2	129242-77100	ARMATURE ASSY	1							
5	2	129242-77110	YOKE ASSY	1							
6	2	129242-77120	BRUSH HOLDER ASSY	1							
7	3	129242-77130	BRUSH(-)	2							
8	3	129242-77140	BRUSH(+) SET	1							
9	3	129242-77150	BRUSH SPRING	4							
10	2	129242-77160	REAR COVER ASSY	1							
11	3	129242-77170	REAR COVER METAL	1							
12	2	118400-77170	GEAR	3							
13	2	129242-77180	CENTER BRACKET(P)	1							
14	3	129698-77190	BRACKET	1							
15	2	129698-77200	GEAR, INTERNAL	1							
16	2	129242-77210	CENTER BRACKET(A)	1							
17	2	129698-77220	PINION ASSY	1							
18	2	129698-77230	SHAFT(PINION	1							
19	2	129698-77250	WASHER SET	1							
20	2	129242-77260	GEAR CASE ASSY	1							
21	3	X2114535200	METAL, STARTER	1							
22	2	129242-77270	SHIFT LEVER SET	1							
23	2	129242-77280	DUST COVER KIT	1							
24	2	124195-77770	THROUGH BOLT	2							

0CV10-M97400 3TNV88-XAMM
Fig.15. GENERATOR



										0CV10-M97400 Fig.15	
										(A)=3TNV88-XAMM	
										(D)=	
										(E)=	
										(F)=	
										Q'ty	
										(A) (B) (C) (D) (E) (F)	
No.	Lev.	Parts No.	Description							I	R
1	1	129961-77200	GENERATOR, 12V-55A							1	
2	2	119620-77461	PULLEY							1	
3	2	119620-77471	NUT							1	
4	2	129052-77380	ROTOR ASSY							1	
5	3	123501-79240	BEARING, BALL							1	
6	3	119620-79250	COVER, BEARING							1	
7	2	128401-77440	FRAME							1	
9	2	129052-79270	HOLDER, BRUSH							1	
12	2	119620-77710	REGULATOR ASSY							1	
13	2	119620-79290	SCREW							6	
14	2	119620-79300	SCREW							1	
15	2	119620-79310	BOLT							3	
16	2	119620-79320	SCREW W/WASHER							2	
17	2	119620-79330	BOLT							2	
18	2	128401-77450	COVER							1	
19	2	119620-79340	INSULATION BUSH							1	
20	2	119620-79350	NUT							2	
21	2	129961-77421	FRAME ASSY							1	
22	3	119620-79200	BALL BEARING							1	
23	3	119620-79210	PLATE							1	
24	3	119620-79220	SCREW							4	
25	3	119620-79230	BOLT, STUD							2	
26	2	X9490561001	NUT							1	
27	2	119620-77490	COLLAR							1	
28	1	129795-01900	STUD							1	
29	1	26306-100002	NUT, M10							1	
30	1	119940-77330	ADJUSTER							1	
31	1	119802-77340	BOLT, ADJUSTER							1	
32	1	26106-080452	BOLT, M8X 45 PLATED							1	
33	1	119940-77270	SPACER, GENERATOR							1	
34	1	119650-77910	RELAY ASSY, GLOW							1	
37	1	129211-77920	TIMER							1	
38	1	119643-66900	DIODE							1	

Fig.16. GASKET SET



Remarks
(1) OPTIONAL PART.

(A)=3TNV88-XAMM
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729001-92810	GASKET SET	1							1
2	2	129001-01340	GASKET, HEAD	1							
3	2	121850-51960	O-RING	1							
4	2	124460-11340	SEAL, VALVE STEM	3							
5	2	119802-11870	PROTECTOR, NOZZLE	3							
6	2	119625-11880	SEAT, NOZZLE	3							
7	2	129004-11310	GASKET, BONNET	1							
8	2	129150-77511	GASKET	1							
9	2	129150-13110	GASKET	1							
10	2	129004-13200	GASKET, SILENCER	2							
11	2	121400-11340	SEAL, VALVE STEM	3							
12	2	129150-35041	GASKET	1							
13	2	129486-42021	GASKET, WATER PUMP	1							
14	2	129795-49551	GASKET	1							
15	2	129150-49811	GASKET, THERMOSTAT	1							
16	2	124395-49840	GASKET	1							
17	2	22190-080002	WASHER, SEAL 6	2							
18	2	124465-44950	GASKET, 16	2							
19	2	24311-000120	O-RING, 1AP12.0	3							
20	2	24311-000320	O-RING, 1AP32.0	2							
21	2	24341-000240	O-RING, 1AS24.0	1							
22	2	129486-42140	O-RING, G30	1							
23	2	129001-12110	GASKET, MANIFOLD	1							
24	2	129150-35111	GASKET	1							
25	2	119609-32040	O-RING, P16	4							
26	2	22190-100002	WASHER, SEAL 10	2							
27	2	23414-080000	GASKET, 8X1.0	1							
28	2	22190-220002	WASHER, SEAL 22	1							
29	2	103954-13201	GASKET, SILENCER	1							
30	1	129400-92420	FLEX HORN	1							1
31	1	977770-01212	GASKET, LIQUID	1							1

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103954-13201	6	3
	16	29
105025-59580	13	6
114250-39450	9	12
114250-53080	12	5
114250-53120	12	10
114250-53130	12	11
114250-53140	12	12
114250-53210	12	13
114250-53400	12	14
118400-77170	14	12
119225-52102	13	10
119255-44660	10	53
119305-59120	12	26
119593-59580	12	54
119609-32040	2	17
	16	25
119620-01750	3	3
119620-77461	15	2
119620-77471	15	3
119620-77490	15	27
119620-77710	15	12
119620-79200	15	22
119620-79210	15	23
119620-79220	15	24
119620-79230	15	25
119620-79250	15	6
119620-79290	15	13
119620-79300	15	14
119620-79310	15	15
119620-79320	15	16
119620-79330	15	17
119620-79340	15	19
119620-79350	15	20
119625-11880	4	33
	16	6
119640-01640	3	18
119643-66900	15	38
119650-77910	15	34
119717-44740	10	22
119802-01520	2	12
119802-01560	2	13
119802-03110	4	44
119802-03120	4	45
119802-03130	4	46
119802-03140	4	47
119802-11260	4	6
119802-11270	4	7
119802-11280	4	8
119802-11870	4	32

Parts No.	Fig. No.	Ref. No.
119802-11870	16	5
119802-21202	8	5
119802-25051	7	10
119802-25070	7	14
119802-25100	7	11
119802-25901	7	17
119802-32070	2	8
119802-32100	2	7
119802-32111	2	18
119802-32120	2	19
119802-32130	2	20
119802-35100	9	6
119802-35110	9	7
119802-39450	9	14
119802-49113	10	10
119802-49730	10	35
119802-51250	11	2
119802-55700	13	11
119802-55710	13	12
119802-55800	13	2
119802-59550	12	48
119802-59560	12	50
119802-77340	15	31
119865-21600	8	16
119940-77270	15	33
119940-77330	15	30
120130-11860	4	19
120270-54410	4	35
121023-01550	2	28
121111-21501	8	12
121250-44901	10	43
121256-44600	10	50
121400-11340	4	28
	16	11
121450-42450	10	40
121520-34810	9	2
121550-23200	8	30
121550-49111	10	31
121850-21680	8	11
121850-42410	10	8
121850-51960	2	21
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121855-12060	5	11
123501-79240	15	5
123900-13610	6	5
123900-13630	6	4
124060-01050	1	5
124060-77680	12	55
124160-01751	2	14
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Parts No.	Fig. No.	Ref. No.
124160-01910	1	7
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124160-11360	4	53
124160-39140	9	13
124195-77770	14	24
124240-01871	2	15
124395-49840	10	17
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124450-44510	10	44
124450-44530	10	46
124450-44550	10	49
124450-44560	10	47
124460-11340	4	29
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124465-44950	10	42
	16	18
124722-59050	10	36
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	12	49
		52
124766-59050	13	5
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128401-77440	15	7
128401-77450	15	18
129001-01250	1	6
129001-01340	1	33
	16	2
129001-02930	1	25
129001-12110	5	5
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129001-32330	2	11
129001-91841	2	22
129004-01190	1	31
129004-03010	4	42
129004-03080	5	1
129004-11100	4	24
129004-11241	4	3
129004-11251	4	4
129004-11310	4	50
	16	7
129004-11350	4	41
129004-11650	4	10
129004-11700	4	15
129004-11900	4	34
129004-12100	5	3
129004-13200	6	7
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129004-21002	8	1
129004-21650	8	9
129004-34801	9	1

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129004-42001	10	1
129004-42040	10	15
129004-44500	10	54
129004-49010	10	51
129004-49020	10	52
129004-49610	10	33
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129004-49711	10	34
129004-49721	10	38
129004-55610	13	1
129004-59810	12	35
129004-59820	12	39
129004-59830	12	43
129005-22080	8	17
129005-22500	8	19
129005-22900	8	35
129005-22950	8	37
129005-59830	9	15
129052-77380	15	4
129052-79270	15	9
129100-01580	3	1
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129100-01640	3	7
129100-01730	3	12
129100-01760	3	17
129100-11110	4	25
129100-13110	6	1
129100-23910	8	29
129100-35140	9	8
129100-35301	9	4
129100-42051	10	3
129100-42121	10	4
129100-55690	13	13
129107-44590	10	55
129120-77501	5	8
129128-21590	8	13
129129-14580	7	3
129131-13540	6	8
129150-01200	1	32
129150-02020	1	10
129150-02450	7	4
129150-02870	1	34
129150-02930	1	28
129150-02940	1	37
129150-03070	4	43
129150-11230	4	11
129150-11280	4	9
129150-11370	4	14
129150-11750	4	13

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Parts No.	Fig. No.	Ref. No.
129150-11810	4	21
129150-13110	6	2
	16	9
129150-14101	7	7
129150-14200	7	1
129150-14400	7	2
129150-23600	8	31
129150-23610	8	33
129150-25301	7	16
129150-35041	9	3
	16	12
129150-35111	9	9
	16	24
129150-35170	9	10
129150-49080	10	59
129150-49100	10	58
129150-49811	10	26
	16	15
129150-59120	12	30
129150-59131	12	29
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129150-77511	5	9
	16	8
129155-42350	10	20
129155-49801	10	25
129202-22300	8	23
129210-59100	13	4
129210-59230	13	7
129211-77920	15	37
129242-77010	14	2
129242-77100	14	4
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129242-77120	14	6
129242-77130	14	7
129242-77140	14	8
129242-77150	14	9
129242-77160	14	10
129242-77170	14	11
129242-77180	14	13
129242-77210	14	16
129242-77260	14	20
129242-77270	14	22
129242-77280	14	23
129350-49530	10	27
129400-92420	16	30
129410-03990	5	2
129418-32320	2	10
129486-01670	3	10
129486-42021	10	14
	16	13

Parts No.	Fig. No.	Ref. No.
129486-42140	10	16
	16	22
129486-59551	12	51
129555-59511	13	9
129602-53001	12	2
129612-01600	3	2
129698-77020	14	3
129698-77190	14	14
129698-77200	14	15
129698-77220	14	17
129698-77230	14	18
129698-77250	14	19
129795-01780	3	9
129795-01800	2	6
129795-01900	15	28
129795-01950	2	16
129795-02411	1	13
129795-11120	4	26
129795-11180	4	27
129795-21661	8	10
129795-49551	10	28
	16	14
129900-07900	4	1
129900-32130	2	9
129916-49740	10	13
129961-77200	15	1
129961-77421	15	21
158552-51151	7	18
171051-01921	1	9
22190-080002	9	17
		18
	16	17
22190-100002	9	19
	16	26
22190-220002	3	20
	16	28
22217-140000	7	19
22252-000260	8	24
22351-030010	8	8
22351-060012	4	36
22512-070140	7	8
	8	6
22857-500100	4	51
		52
23010-038000	10	41
23061-070230	10	48
23414-080000	10	30
	16	27
23857-030000	9	16
23876-010000	10	11

Parts No.	Fig. No.	Ref. No.
23876-020000	10	12
23876-030000	2	4
23876-040000	2	5
24311-000120	4	54
	16	19
24311-000160	13	15
24311-000320	2	23
	4	56
	16	20
24321-000650	13	14
24341-000240	2	29
	16	21
25132-003700	10	21
26014-060122	10	57
26106-060122	10	24
26106-060162	2	30
26106-080122	10	23
26106-080142	4	2
	7	9
26106-080162	2	24
		25
	3	14
	10	18
	11	3
26106-080202	5	6
	9	11
	11	4
26106-080222	10	29
26106-080252	3	15
	4	37
26106-080302	13	3
26106-080352	3	11
	4	38
	5	10
	9	5
26106-080402	7	15
26106-080452	3	16
		16 -1
	10	32
	15	32
26106-080502	3	22
	4	39
26106-080552	2	26
26106-080602	10	19
26106-080802	5	7
26116-120252	14	1
26206-100252	3	4
26206-100302	3	5
26306-080002	2	27
	6	6

Parts No.	Fig. No.	Ref. No.
26306-100002	15	29
26366-060002	9	20
26776-140002	7	20
27241-120000	1	14
27241-300000	1	15
27241-400000	4	23
27310-080001	4	30
719802-01500	2	1
729001-92810	16	1
729005-01560	1	1
729245-51320	11	1
729402-23100	8	25
729645-53100	12	1
977770-01212	2	31
	3	21
	4	40
	16	31
X2114535200	14	21
X9490561001	15	26