

0CW10-M07500EN

PREFACE

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNV88-XMS2 engine manufactured since November, 2005.
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.

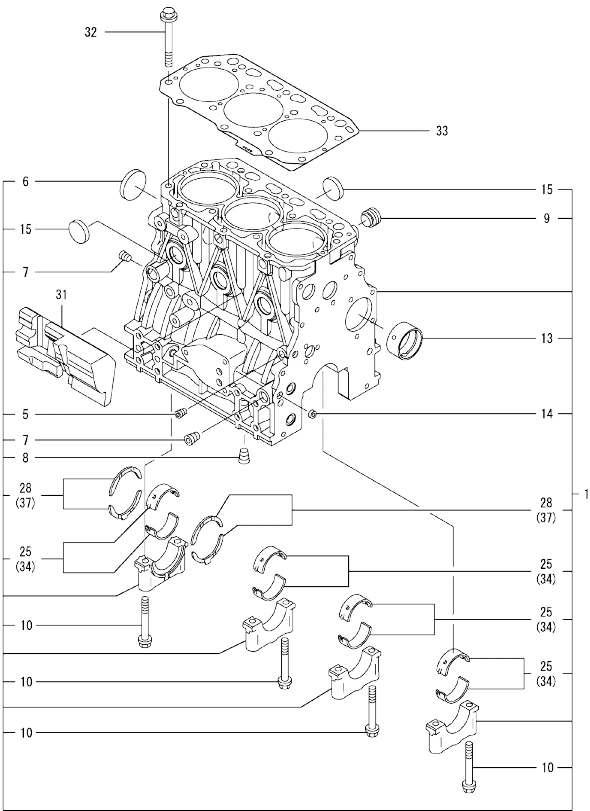
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

Contents

Fig. No.	Fig. Name	Fig. No.	Fig. Name
ENGINE (3TNV88-XMS2)			
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		

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Fig.1. CYLINDER BLOCK

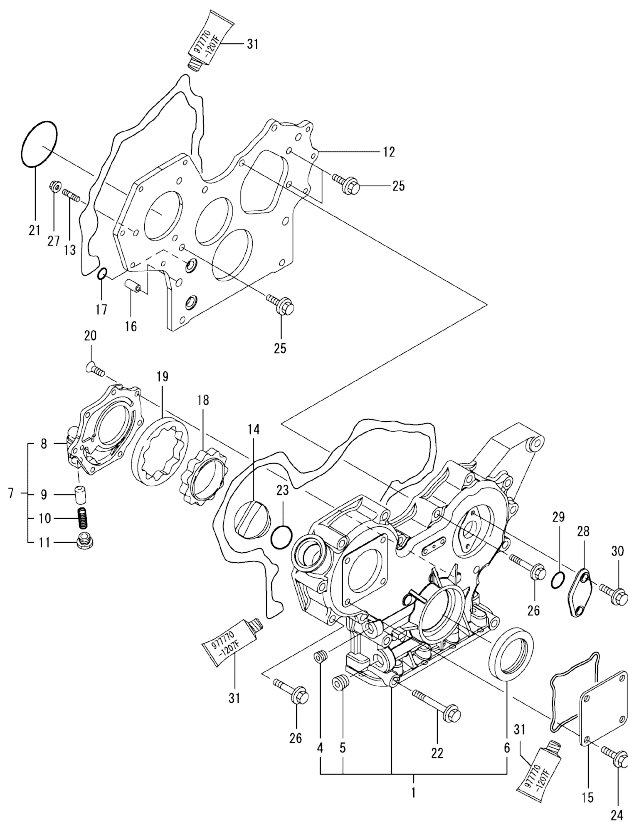


Remarks
(1) UNDER-SIZE(U.S=0.25)PART.
(2) OVER-SIZE(O.S=0.25)PART.
(3) REPAIR PART.

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

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Fig.2. GEAR HOUSING

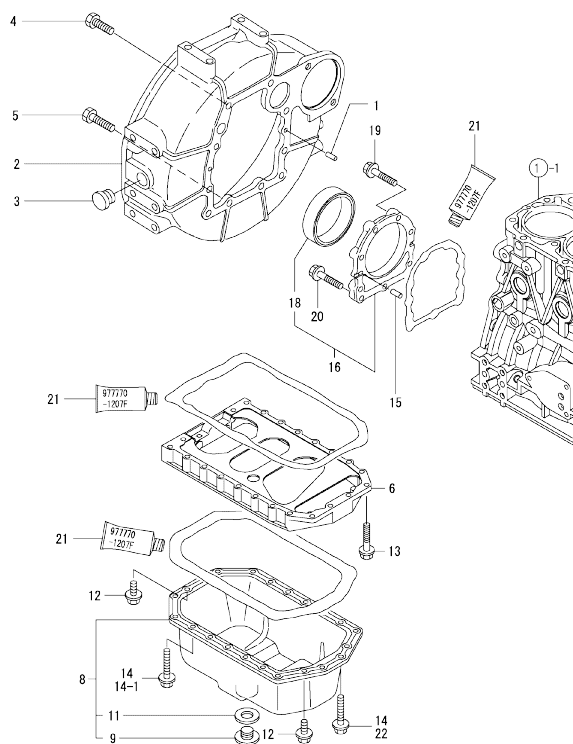


Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						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	119802-01561	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, M8X16 PLATED	4							
25	1	26106-080162	BOLT, M8X16 PLATED	3							
26	1	26106-080552	BOLT, M8X55 PLATED	12							
27	1	26306-080002	NUT, M8	3							
28	1	121023-01551	COVER	1							
29	1	24341-000240	O-RING, 1AS24.0	1							
30	1	26106-060162	BOLT, M6X16 PLATED	2							
31	1	977770-1207F	GASKET, LIQUID	1							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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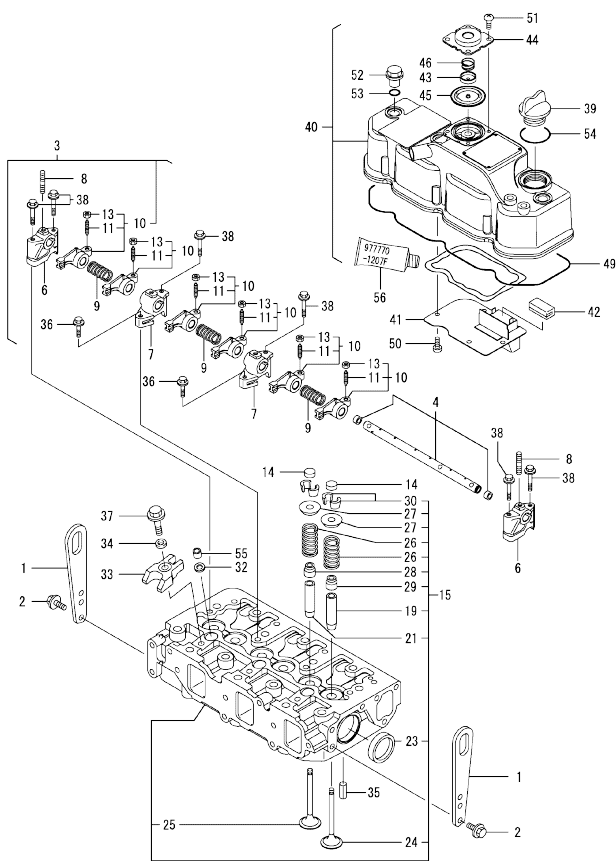
Fig.3. FLYWHEEL HOUSING & OIL SUMP

Remarks
(1) OPTIONAL PART.[illegible]

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

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Fig.4. CYLINDER HEAD & BONNET

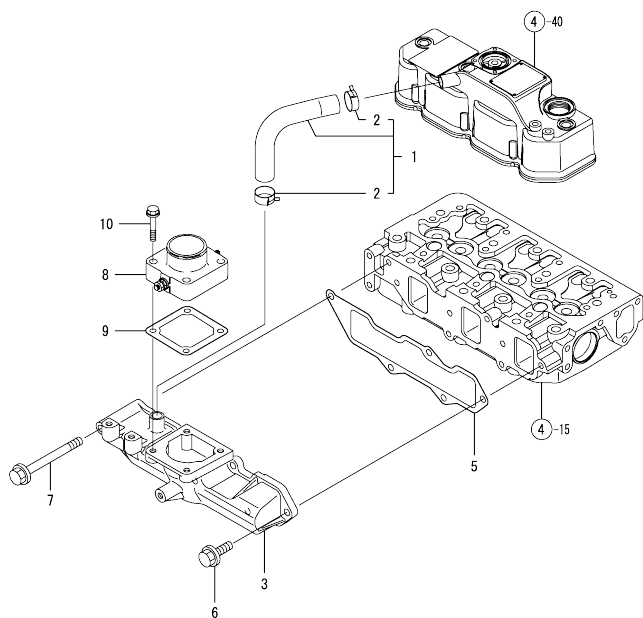


Remarks
(1) REPAIR PART.
(2) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER	2							
2	1	26106-080162	BOLT, M8X 16 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	129005-11700	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	129005-11100	VALVE, INTAKE	3							
25	2	129100-11112	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	119625-11880	SEAT, NOZZLE	3							
33	1	129004-11900	RETAINER, NOZZLE	3							
34	1	120270-54410	WASHER, INJECTOR	3							
35	1	22351-060012	PIN, SPRING 6.0X12	2							
36	1	26106-080252	BOLT, M8X 25 PLATED	2							
37	1	26106-080352	BOLT, M8X 35 PLATED	3							
38	1	26106-080502	BOLT, M8X 50 PLATED	6							
39	1	124160-01751	COVER, FILLER	1							
40	1	129004-11350	BONNET ASSY, HEAD	1							
41	2	129004-03010	PLATE	1							
42	2	129150-03070	BAFFLE, BREATHER	1							
43	2	119802-03110	PLATE	1							
44	2	119802-03121	COVER, DIAPHRAGM	1							
45	2	119802-03130	DIAPHRAGM	1							
46	2	119802-03141	SPRING, DIAPHRAGM	1							
49	2	129004-11310	GASKET, BONNET	1							
50	2	22857-500100	SCREW, 5X10	4							
51	2	22857-500100	SCREW, 5X10	4							
52	1	124160-11360	KNOB	3							
53	1	24311-000120	O-RING, 1AP12.0	3							
54	1	24311-000320	O-RING, 1AP32.0	1							
55	1	119802-11870	PROTECTOR, NOZZLE	3							
56	1	977770-1207F	GASKET,LIQUID	1							2

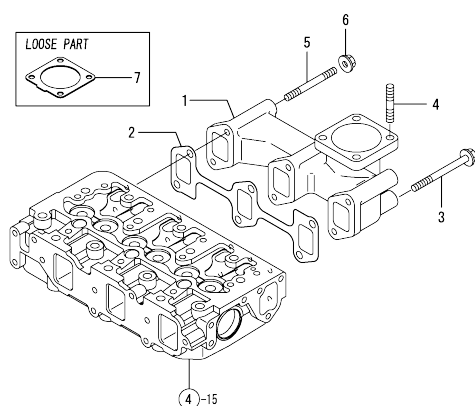
N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.5. SUCTION MANIFOLD



				(A)=3TNV88-XMS2	(D)=					I	R
				(B)=	(E)=						
				(C)=	(F)=						
No.	Lev.	Parts No.	Description	Q'ty							
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129005-03080	PIPE , BREATHER	1							
2	2	129410-03990	CLAMP 22	2							
3	1	129005-12100	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							

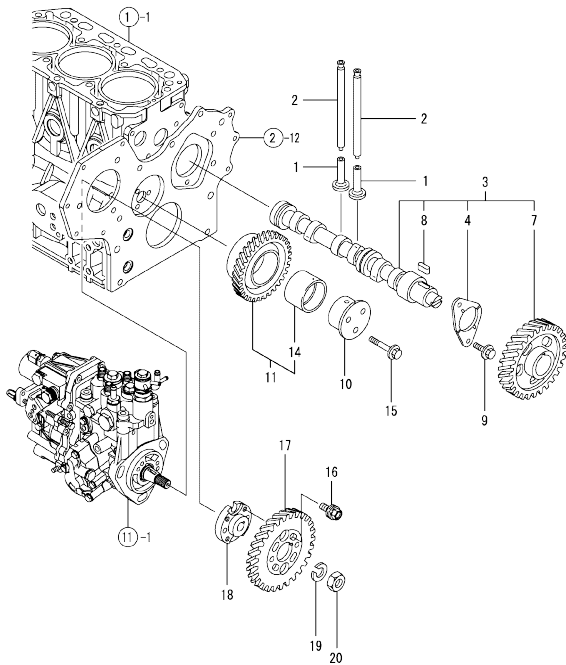
N:Old $\frac{\text{Yes}}{\text{No}}$ New. Q:Old $\frac{\text{No}}{\text{Yes}}$ New. R:Old $\frac{\text{Yes}}{\text{Yes}}$ New. S:Old $\frac{\text{No}}{\text{No}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171350-13100	MANIFOLD, EXHAUST	1							
2	1	129150-13110	GASKET	1							
3	1	123900-13630	BOLT, M8X80	4							
4	1	119131-18320	STUD, M8X22	4							
5	1	123900-13610	STUD, M8X80	2							
6	1	26306-080002	NUT, M8	2							
7	1	129004-13200	GASKET, SILENCER	1							

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Fig.7. CAMSHAFT & DRIVING GEAR

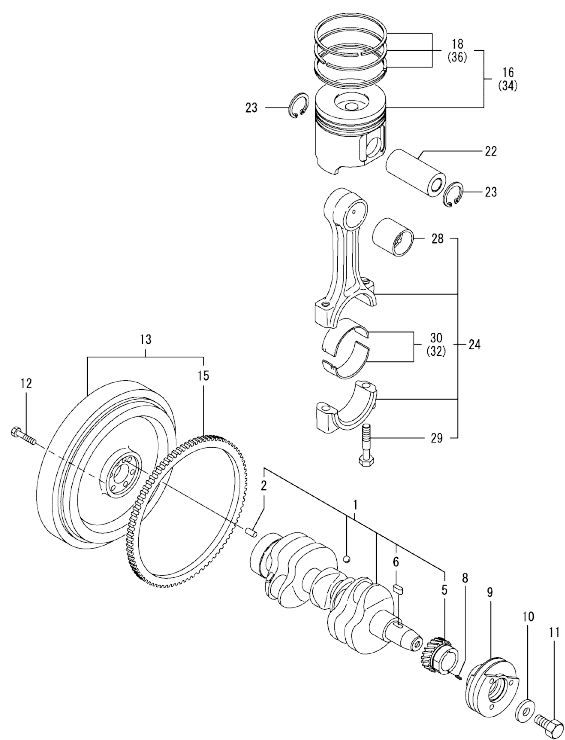


Remarks
(1) REPAIR PART.

No.	Lev.	Parts No.	Description	(A)=3TNV88-XMS2 (B)= (C)=						(D)= (E)= (F)=						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														

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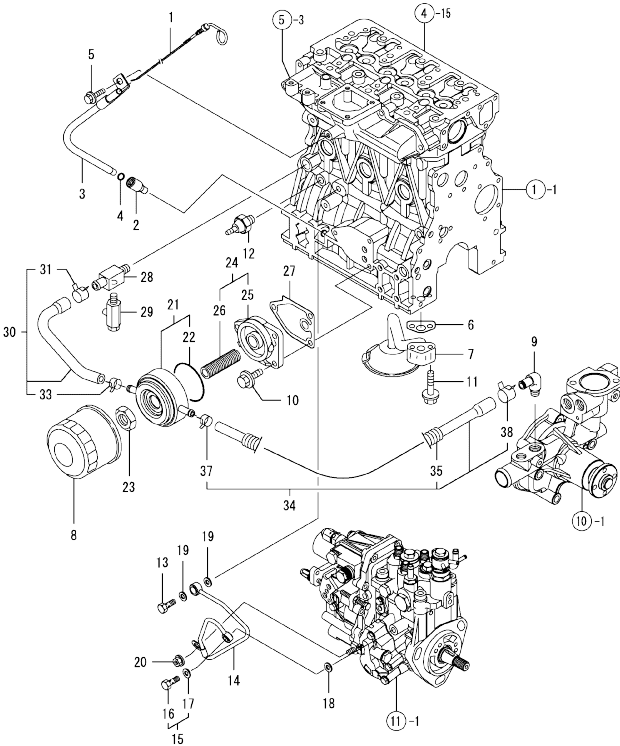
Fig.8. CRANKSHAFT & PISTON



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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
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	22351-030010	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	171340-21580	FLYWHEEL ASSY	1							
15	2	119865-21600	GEAR, RING	1							
16	1	129005-22080	PISTON ASSY	3							
18	2	129005-22500	RING SET, PISTON	3							
22	1	129202-22300	PIN, PISTON D26 L70	3							
23	1	22252-000260	RING, 26	6							
24	1	729402-23100	ROD ASSY, CONNECTING	3							
28	2	129100-23910	BEARING, PISTON PIN	3							1
29	2	121550-23200	BOLT, CONNECTING ROD	6							
30	2	129150-23600	BEARING, CRANK PIN	3							
32	1	129150-23610	BEARING, 0.25 US	3							2
34	1	129005-22900	PISTON ASSY, 0.25 OS	3							3
36	2	129005-22950	RING SET, 0.25 OS	3							3

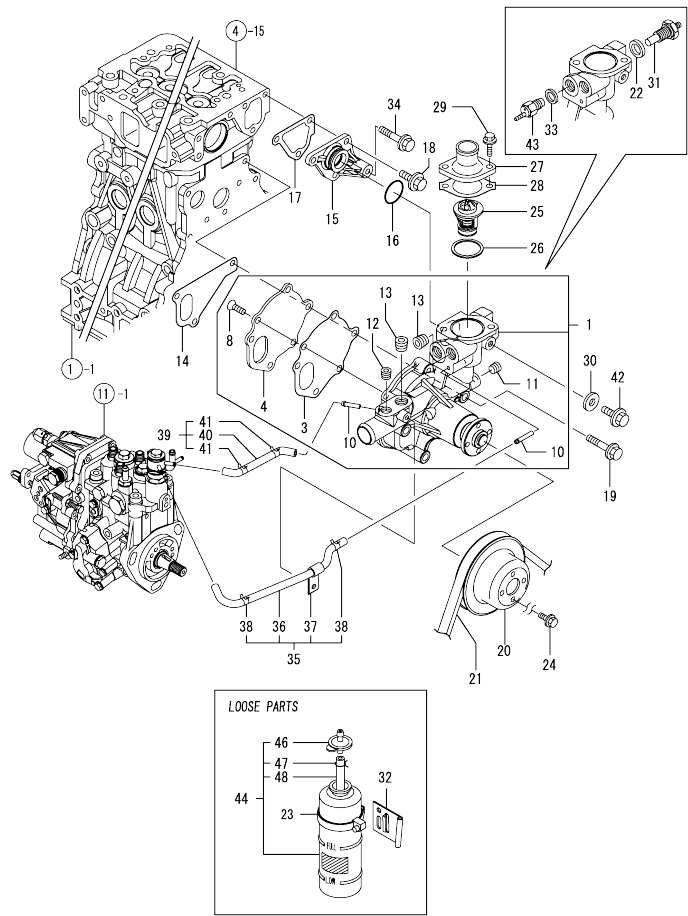
Fig.9. LUB.OIL SYSTEM



Remarks
(1) REPAIR PART.

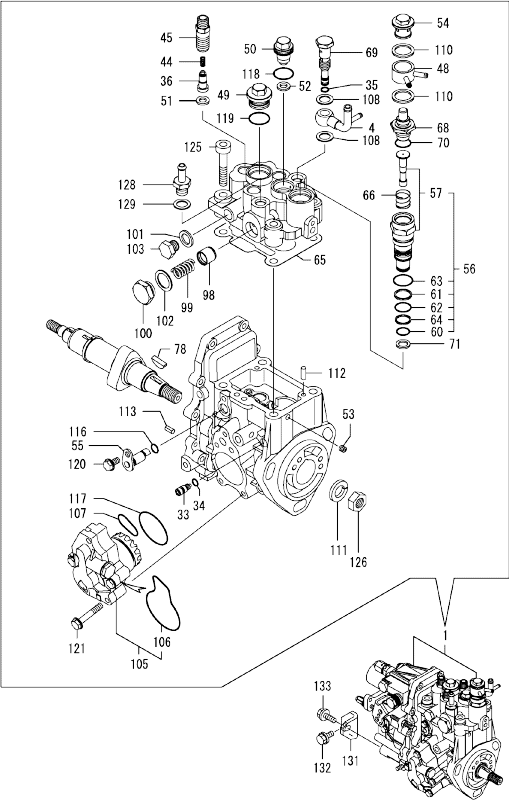
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129601-34801	DIPSTICK, OIL	1							
2	1	119260-34810	GUIDE, DIPSTICK	1							
3	1	119802-34850	GUIDE, DIPSTICK	1							
4	1	24311-240100	O-RING, 1AP10A	1							
5	1	26106-080162	BOLT, M8X 16 PLATED	1							
6	1	129150-35042	GASKET	1							
7	1	129100-35301	PIPE ASSY, OIL INLET	1							
8	1	129150-35153	FILTER 80X80L	1							
9	1	129103-49301	ELBOW, PT1/4	1							1
10	1	26106-080202	BOLT, M8X 20 PLATED	3							
11	1	26106-080352	BOLT, M8X 35 PLATED	2							
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							
21	1	129508-33010	COOLER ASSY, OIL	1							
22	2	129508-33050	O-RING	1							
23	1	129417-33110	NUT	1							
24	1	129006-35100	BRACKET ASSY, FILTER	1							
25	2	119802-35110	BRACKET, FILTER	1							
26	2	129417-35150	STUD, L=67	1							
27	1	129150-35111	GASKET	1							
28	1	129006-44480	JOINT	1							
29	1	119620-49290	COCK ASSY, 1/4	1							
30	1	129508-49030	PIPE ASSY, WATER	1							
31	2	171008-03990	CLIP, HOSE 18.5	1							
33	2	23080-015000	CLAMP, 15	1							
34	1	129006-49040	PIPE ASSY, WATER	1							
35	2	129642-49180	TUBE, CORRUGATED	1							
37	2	23080-015000	CLAMP, 15	1							
38	2	23080-018000	CLAMP, 18	1							

Fig.10. COOLING WATER SYSTEM



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	23875-020000	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	129403-42380	V-PULLEY, D=110	1							
21	1	25132-003800	V-BELT, A38	1							
22	1	129150-49360	GASKET	1							
23	1	124450-44550	BAND	1							
24	1	26106-060122	BOLT, M6X 12 PLATED	4							
25	1	129457-49801	THERMOSTAT, 82	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	124250-49351	SENSOR	1							
32	1	121256-44600	BRACKET, SUB TANK	1							
33	1	124465-44950	GASKET, 16	1							
34	1	26106-080452	BOLT, M8X 45 PLATED	1							
35	1	129004-49610	PIPE ASSY, WATER	1							
36	2	129004-49711	PIPE ASSY, WATER	1							
37	2	119802-49730	RETAINER, PIPE	1							
38	2	124722-59050	CLIP, HOSE 9	2							
39	1	129004-49620	PIPE ASSY, WATER	1							
40	2	129004-49721	PIPE ASSY, WATER	1							
41	2	124722-59050	CLIP, HOSE 9	2							
42	1	26106-080122	BOLT, M8X 12 PLATED	1							
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							

Fig.11. FUEL INJECTION PUMP

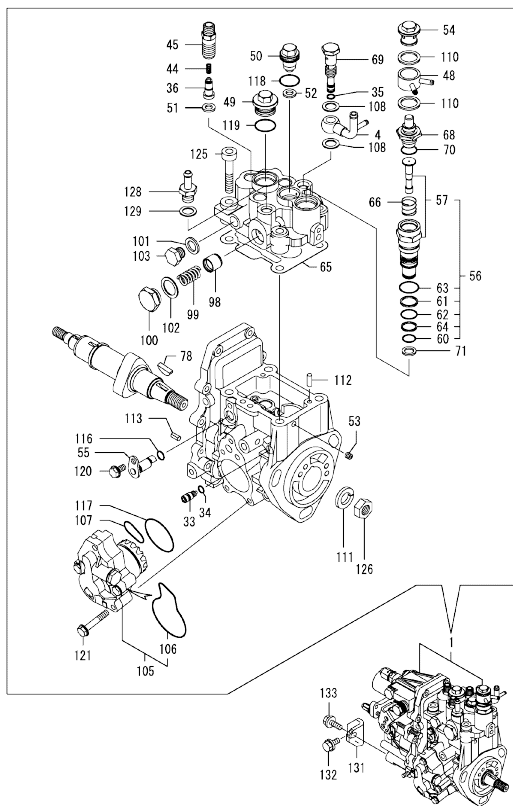


Remarks
(1) GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729245-51400	PUMP ASSY, INJECTION	1							1
4	2	158552-51670	JOINT, OVER FLOW	1							
33	2	158600-51270	STOPPER, TAPPET	1							
34	2	158563-51281	O-RING, 4D S6	1							
35	2	158563-51281	O-RING, 4D S6	1							
36	2	158560-51300	VALVE ASSY, DELIVERY	3							
44	2	158563-51330	SPRING, DELIVERY	3							
45	2	158601-51340	HOLDER, DELIVERY	3							
48	2	158553-51551	JOINT	1							
49	2	158601-51550	PLUG	1							
50	2	119802-51560	PLUG, BARREL	1							
51	2	158552-51570	GASKET	3							
52	2	158552-51570	GASKET	1							
53	2	158557-51570	PLUG	1							
54	2	158601-51570	PLUG	1							
55	2	158552-51580	LIFTER	1							
56	2	119802-51590	TIMER SET	1							
57	3	119802-51600	TIMER ASSY	1							
60	3	158553-51670	O-RING, 1011	1							
61	3	119802-51680	RING, BACK UP	1							
62	3	119802-51690	O-RING	1							
63	3	24356-010200	O-RING, 4D1020	1							
64	3	24372-000150	RING, BACK UP T2P15	1							
65	2	158552-51600	GASKET	1							
66	2	158553-51630	SPRING, TIMER	1							
68	2	158553-51640	ELEMENT	1							
69	2	158601-51650	JOINT, OVER FLOW	1							
70	2	158553-51660	O-RING, P14	1							
71	2	158553-51680	GASKET	1							
78	2	119802-51090	KEY, 4X16	1							
98	2	158601-51770	PISTON	1							
99	2	158552-51780	SPRING	1							
100	2	158601-51790	PLUG	1							
101	2	22190-120002	WASHER, SEAL 12	1							
102	2	22190-180002	WASHER, SEAL 18	1							
103	2	23887-120002	PLUG, 12	1							
105	2	158552-52100	PUMP ASSY, FUEL FEED	1							
106	3	158552-52500	O-RING	1							
107	2	158552-52310	O-RING	1							
108	2	22190-120002	WASHER, SEAL 12	2							
110	2	22190-180002	WASHER, SEAL 18	2							
111	2	22217-140000	WASHER, SPRING 14	1							
112	2	22312-050140	PIN, PARALLEL M5X14	2							
113	2	22351-050010	PIN, SPRING 5.0X10	2							
116	2	24311-000070	O-RING, 1AP7.0	1							
117	2	158552-52400	O-RING, 4E S42	1							
118	2	24356-010180	O-RING, 4D1018	1							
119	2	24356-010200	O-RING, 4D1020	1							
120	2	26106-060102	BOLT, M6X 10 PLATED	1							
121	2	158553-51770	BOLT	4							
125	2	26450-080452	BOLT, M8X 45	4							

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
++ CONTINUE ++
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Fig.11. FUEL INJECTION PUMP



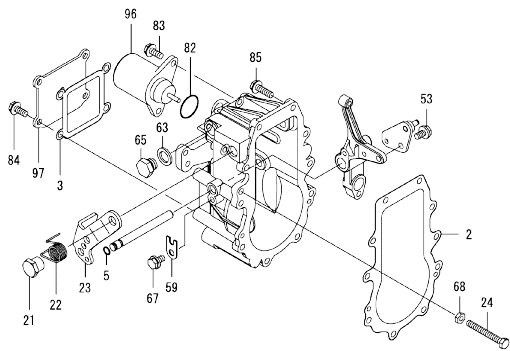
Remarks
(1) GOVERNOR ASSY(FIG.12) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
126	2	26776-140002	NUT, LOCK M14	1							
128	2	119934-59910	JOINT, PIPE	1							
129	2	22190-120002	WASHER, SEAL 12	1							
131	1	119802-51250	RETAINER, PUMP	1							
132	1	26106-080162	BOLT, M8X 16 PLATED	1							
133	1	26106-080202	BOLT, M8X 20 PLATED	1							

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:Q'ty Change

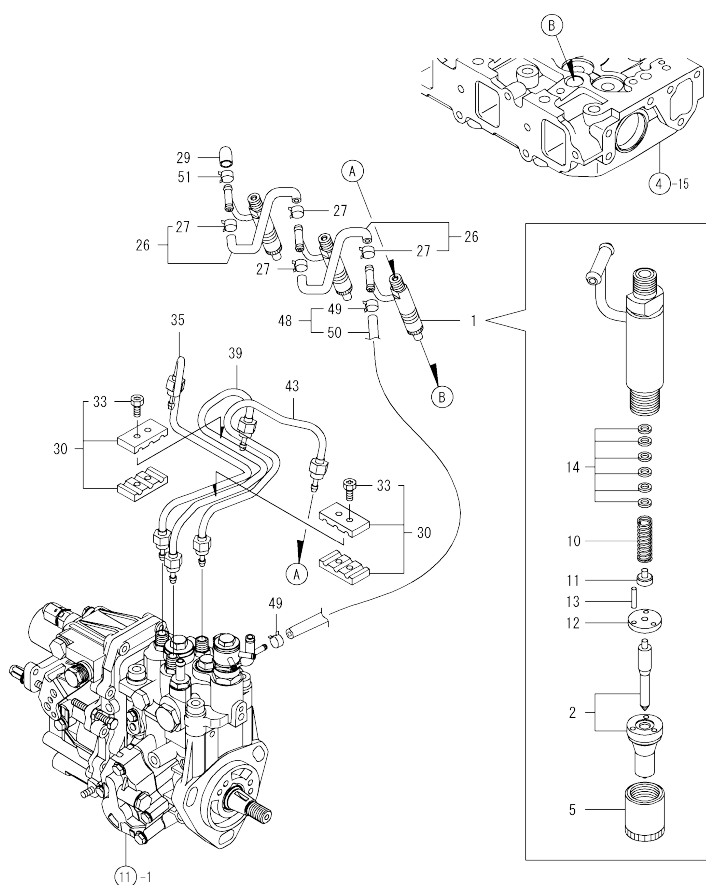
0CW10-M07500

Fig.12. GOVERNOR

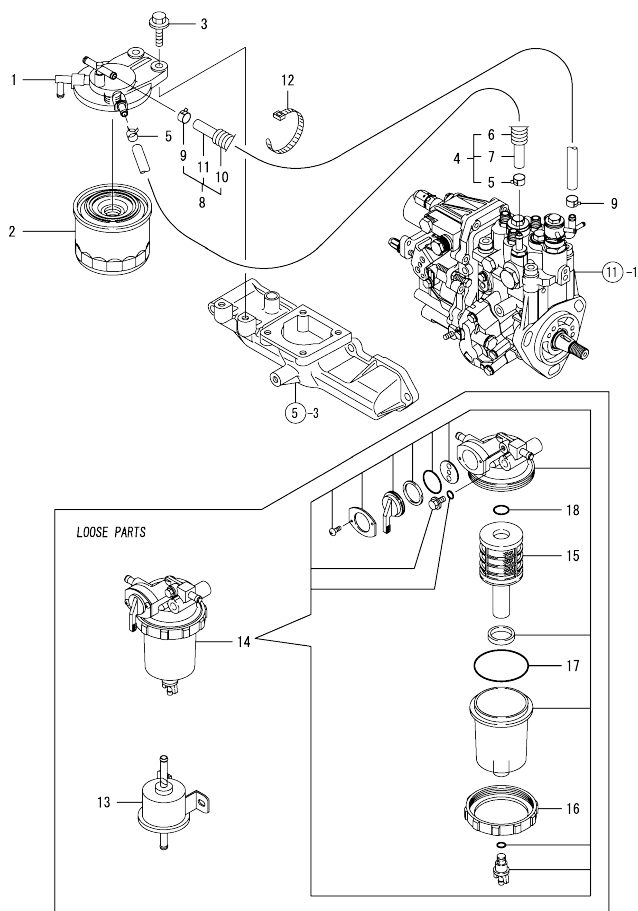


Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.11).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	158553-61050	GASKET	1							
3	2	158553-61070	GASKET	1							
5	2	129155-61280	O-RING, S6	1							
21	2	129255-61410	NUT, LOCK	1							
22	2	119807-61420	SPRING, RETURN	1							
23	2	158552-61441	LEVER, REGULATOR	1							
24	2	129155-61460	BOLT, IDLE	1							
53	2	26106-060102	BOLT, M6X 10 PLATED	1							
59	2	119660-61901	RETAINER, SHAFT	1							
63	2	22190-120000	WASHER, SEAL 12	1							
65	2	23887-120002	PLUG, 12	1							
67	2	26106-060102	BOLT, M6X 10 PLATED	1							
68	2	26756-060002	NUT, LOCK M6	1							
82	2	24341-000280	O-RING, 1AS28.0	1							
82-1	2	158552-61900	O-RING	1							N
(A=EXXXXX)											
83	2	26106-060142	BOLT, M6X 14 PLATED	2							
84	2	26106-060142	BOLT, M6X 14 PLATED	4							
85	2	26106-060202	BOLT, M6X 20 PLATED	10							
96	2	119653-77950	SOLENOID, STOP	1							
97	2	129642-61060	COVER, GOVERNOR CASE	1							



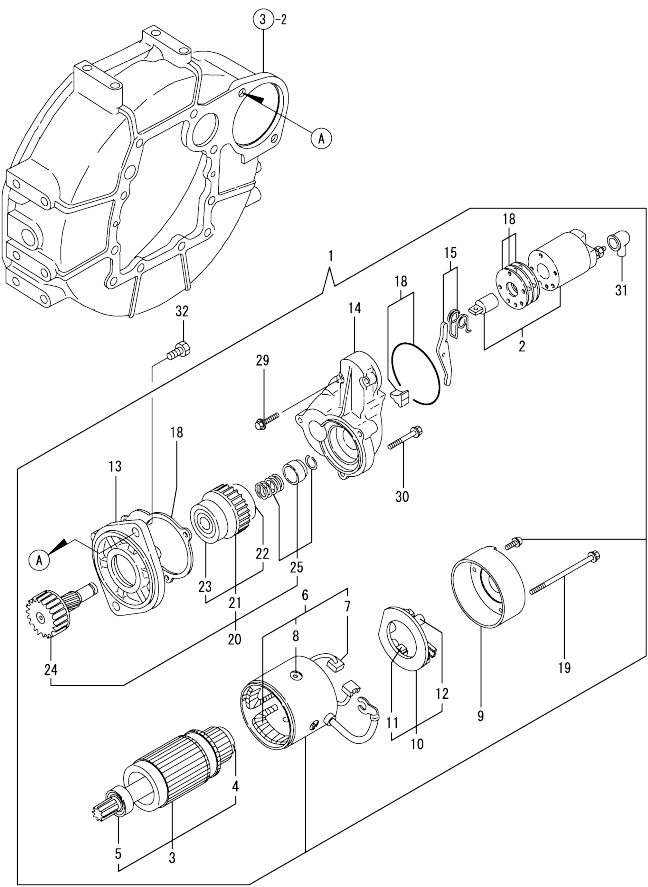
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729044-53100	VALVE ASSY,INJECTION	3							
2	2	129006-53001	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
10	2	114250-53120	SPRING, NOZZLE	3							
11	2	114250-53130	SEAT, SPRING	3							
12	2	114250-53140	PLATE	3							
13	2	114250-53210	PIN	6							
14	2	114250-53400	SHIM SET	3							
26	1	129486-59551	PIPE ASSY, RETURN	2							
27	2	124722-59050	CLIP, HOSE 9	4							
29	1	119593-59580	CAP	1							
30	1	129150-59120	RETAINER, PIPE	2							
33	2	129150-59131	BOLT, M4X14	4							
35	1	129004-59811	PIPE ASSY, INJECTION	1							
39	1	129004-59821	PIPE ASSY, INJECTION	1							
43	1	129004-59831	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	124060-77680	CLIP, HOSE 10	1							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-55611	BRACKET, FILTER	1							
2	1	119802-55800	FILTER, FUEL	1							
3	1	26106-080302	BOLT, M8X 30 PLATED	2							
4	1	129044-59010	PIPE, D13/7.5X220	1							
5	2	124766-59050	CLIP, HOSE 12	2							
6	2	129044-59100	TUBE, CORRUGATED	1							
7	2	129044-59510	PIPE, FUEL 220	1							
8	1	129950-59311	PIPE, FUEL	1							
9	2	124766-59050	CLIP, HOSE 12	2							
10	2	129961-59110	TUBE, CORRUGATED	1							
11	2	105025-59580	PIPE, FUEL	1							
12	1	121750-59890	BAND, 140	1							
13	1	119225-52102	PUMP ASSY, FUEL FEED	1							
14	1	119802-55700	SEPARATOR ASSY	1							
15	2	119802-55710	ELEMENT	1							
16	2	129100-55690	RING, RETAINING	1							
17	2	24321-000650	O-RING, 1AG65.0	1							
18	2	24311-000160	O-RING, 1AP16.0	1							

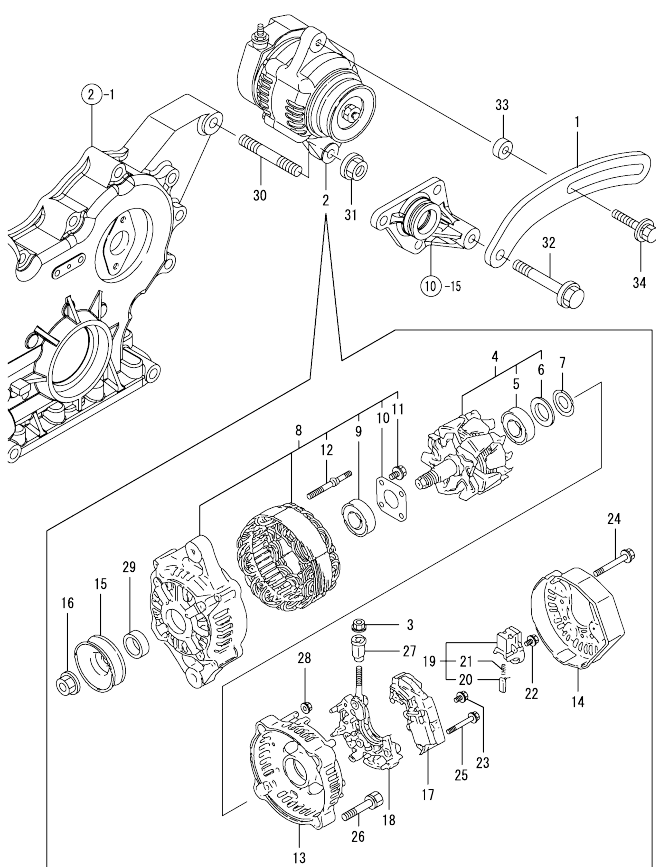
0CW10-M07500

Fig.15. STARTING MOTOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129136-77011	STARTER	1							
2	2	129136-77310	SWITCH ASSY	1							
3	2	129900-77400	ARMATURE ASSY	1							
4	3	X2130350900	BALL BEARING	1							
5	3	X2114255110	BEARING, BALL	1							
6	2	129900-77440	COIL ASSY, FIELD	1							
7	3	129900-77450	BRUSH (+)	2							
8	3	171008-77450	SCREW	4							
9	2	129900-77460	COVER, REAR	1							
10	2	129900-77480	HOLDER ASSY, BRASH	1							
11	3	129900-77450	BRUSH (+)	2							
12	3	129400-77490	SPRING, BRUSH	4							
13	2	171008-77510	HOUSING ASSY, GEAR	1							
14	2	129136-77520	CENTER HOUSING	1							
15	2	171008-77540	LEVER SET, SHIFT	1							
18	2	129400-77571	DUST COVER, (NON-ASB.	1							
19	2	129900-77640	BOLT, THROUGHT	2							
20	2	171008-77650	PINION ASSY	1							
21	3	X2114555500	CLUTCH ASSY	1							
22	4	X2114955020	BALL BEARING	1							
23	4	X2240410100	BEARING, BALL	1							
24	3	171008-77660	SHAFT, PINION	1							
25	3	171008-77670	STOPPER SET, PINION	1							
29	2	26106-060322	BOLT, M6X 32 PLATED	2							
30	2	26106-060402	BOLT, M6X 40 PLATED	3							
31	2	171008-77750	COVER, M TERMINAL	1							
32	1	26116-120252	BOLT, M12X 25 PLATED	2							

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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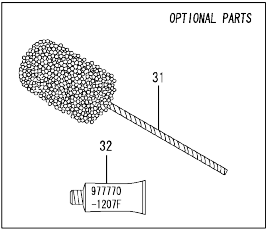
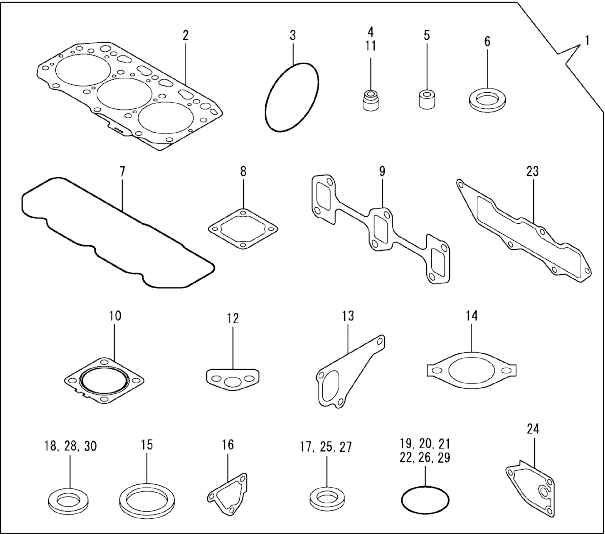


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119802-77330	ADJUSTER	1							
2	1	129423-77200	GENERATOR, 12V-40A	1							
3	2	X9490561001	NUT	1							
4	2	119620-77380	ROTOR ASSY	1							
5	3	119620-79240	BALL BEARING	1							
6	3	119620-79250	COVER, BEARING	1							
7	2	119620-79360	WASHER, THRUST	1							
8	2	119620-77421	FRAME ASSY, DRIVE	1							
9	3	119620-79200	BALL BEARING	1							
10	3	119620-79210	PLATE	1							
11	3	119620-79220	SCREW	4							
12	3	119620-79230	BOLT, STUD	2							
13	2	119620-77440	FLAME ASSY, REAR	1							
14	2	129240-79300	COVER	1							
15	2	119620-77461	PULLEY	1							
16	2	119620-77471	NUT	1							
17	2	129423-77710	REGULATOR ASSY	1							
18	2	119620-79260	HOLDER	1							
19	2	119620-79270	HOLDER, BRUSH	1							
20	3	119620-77480	BRUSH ASSY	2							
21	3	119620-79280	SPRING	2							
22	2	119620-79290	SCREW	1							
23	2	119620-79300	SCREW	1							
24	2	119620-79310	BOLT	3							
25	2	119620-79320	SCREW W/WASHER	2							
26	2	119620-79330	BOLT	2							
27	2	119620-79340	INSULATION BUSH	1							
28	2	119620-79350	NUT	2							
29	2	119620-77490	COLLAR	1							
30	1	129795-01900	STUD	1							
31	1	26306-100002	NUT, M10	1							
32	1	26106-080452	BOLT, M8X 45 PLATED	1							
33	1	119940-77270	SPACER, GENERATOR	1							
34	1	129972-77341	BOLT, ADJUSTER L=50	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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0CW10-M07500

Fig.17. GASKET SET



Remarks
(1) OPTIONAL PARTS.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729150-92700	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	1							
11	2	121400-11340	SEAL, VALVE STEM	3							
12	2	129150-35042	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	1							
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	22190-220002	WASHER, SEAL 22	1							
26	2	119609-32040	O-RING, P16	4							
27	2	22190-100002	WASHER, SEAL 10	2							
28	2	23414-080000	GASKET, 8X1.0	1							
29	2	24311-240100	O-RING, 1AP10A	1							
30	2	129150-49360	GASKET	1							
31	1	129400-92430	HONE	1							1
32	1	977770-1207F	GASKET, LIQUID	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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Parts No. Index

Parts No.	Fig. No.	Ref. No.
105025-59580	14	11
114250-39450	9	12
114250-53080	13	5
114250-53120	13	10
114250-53130	13	11
114250-53140	13	12
114250-53210	13	13
114250-53400	13	14
119131-18320	6	4
119225-52102	14	13
119260-34810	9	2
119593-59580	13	29
119609-32040	2	17
	17	26
119620-01750	3	3
119620-49290	9	29
119620-77380	16	4
119620-77421	16	8
119620-77440	16	13
119620-77461	16	15
119620-77471	16	16
119620-77480	16	20
119620-77490	16	29
119620-79200	16	9
119620-79210	16	10
119620-79220	16	11
119620-79230	16	12
119620-79240	16	5
119620-79250	16	6
119620-79260	16	18
119620-79270	16	19
119620-79280	16	21
119620-79290	16	22
119620-79300	16	23
119620-79310	16	24
119620-79320	16	25
119620-79330	16	26
119620-79340	16	27
119620-79350	16	28
119620-79360	16	7
119625-11880	4	32
	17	6
119640-01640	3	9
119653-77950	12	96
119660-61901	12	59
119802-01520	2	12
119802-01561	2	13
119802-03110	4	43
119802-03121	4	44
119802-03130	4	45

Parts No.	Fig. No.	Ref. No.
119802-03141	4	46
119802-11260	4	6
119802-11270	4	7
119802-11280	4	8
119802-11870	4	55
	17	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
119802-34850	9	3
119802-35110	9	25
119802-39450	9	14
119802-49113	10	10
119802-49730	10	37
119802-51090	11	78
119802-51250	11	131
119802-51560	11	50
119802-51590	11	56
119802-51600	11	57
119802-51680	11	61
119802-51690	11	62
119802-55700	14	14
119802-55710	14	15
119802-55800	14	2
119802-59550	13	48
119802-59560	13	50
119802-77330	16	1
119807-61420	12	22
119865-21600	8	15
119934-59910	11	128
119940-77270	16	33
120130-11860	4	19
120270-54410	4	34
121023-01551	2	28
121111-21501	8	12
121250-44901	10	43
121256-44600	10	32
121400-11340	4	28
	17	11
121550-23200	8	29
121750-59890	14	12
121850-21680	8	11
121850-42410	10	8

Parts No.	Fig. No.	Ref. No.
121850-51960	2	21
	17	3
123900-13610	6	5
123900-13630	6	3
124060-01050	1	5
124060-77680	13	51
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