

OCR10-M65400EN

PREFACE

- 1.This Parts Catalog carries all parts incorporated in YANMAR Model 3TNV88-DSAP engine manufactured since September, 2006.
- 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	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729595-51390	FUEL INJECTION PUMP	1	1	1	1	1			1
1-1	1	729595-51391	FUEL INJECTION PUMP	1	1	1	1	1		N	1
		(A=E00185) (B=E00200)									
3	2	26022-060162	SCREW M 6X 16	9	9	9	9	9			
3-1	2	26022-060162	SCREW M 6X 16	4	4	4	4	4		K	
		(A=E00156) (B=E00156) (C=E00156) (D=E00156) (E=E00156)									
4	2	129470-51040	CAMSHAFT	1	1	1	1	1			
5	2	122710-51050	BEARING, ROLLER	2	2	2	2	2			
6	2	129470-51060	RETAINER	1	1	1	1	1			

Remarks
(1) BOOST COMPENSATOR TYPE. OPTIONAL PART, TO E00155,(4JH-DT, 4JH-DTZ

① Ref. No.

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

(Ex.) Illustration No.

List Ref No.

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

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

② Lev. (Level)

Level indication

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

1 ---- Main parts (Assembly parts)

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

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

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

③ Interchangeability Symbol

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

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

④ Effective Machine No.

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

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

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

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

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

⑤ Remarks

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

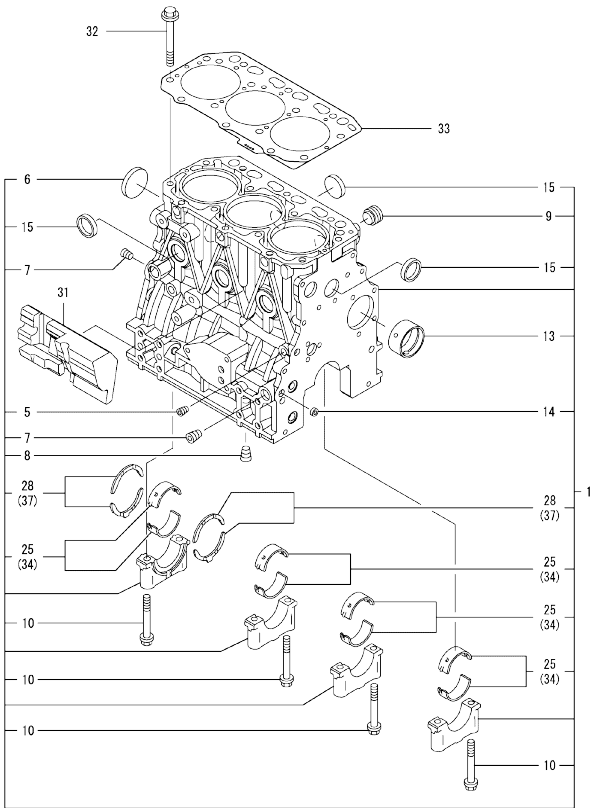
The comments (remarks) on parts that are indicated at the bottom of the illustration are the same symbols as those stated above.

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OCR10-M65400

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2.	GEAR HOUSING		
3.	FLYWHEEL HOUSING & OIL SUMP		
4.	CYLINDER HEAD & BONNET		
5.	SUCTION MANIFOLD & AIR CLEANER		
6.	EXHAUST MANIFOLD & SILENCER		
7.	CAMSHAFT & DRIVING GEAR		
8.	CRANKSHAFT & PISTON		
9.	LUB.OIL SYSTEM		
10.	COOLING WATER SYSTEM		
11.	RADIATOR		
12.	FUEL INJECTION PUMP		
13.	GOVERNOR		
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15.	FUEL LINE		
16.	ENGINE CONTROL DEVICE		
17.	STARTING MOTOR		
18.	GENERATOR		
19.	ELECTRIC PARTS		
20.	GASKET SET		

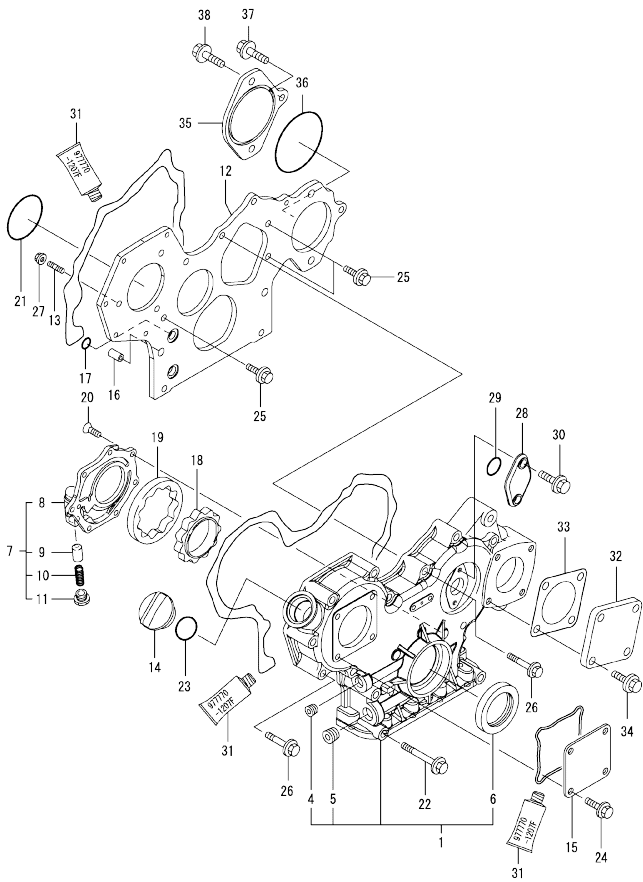
Fig.1. CYLINDER BLOCK



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	129795-02412	BUSH, CAMSHAFT	1							
14	2	27241-120000	PLUG, 12	2							
15	2	27241-300000	PLUG 30	6							
25	2	129001-02931	BEARING, MAIN	4							3
28	2	129150-02931	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	129150-02871	BEARING, 0.25 US	4							1
37	1	129150-02941	BEARING, THRUST 0.25	1							2

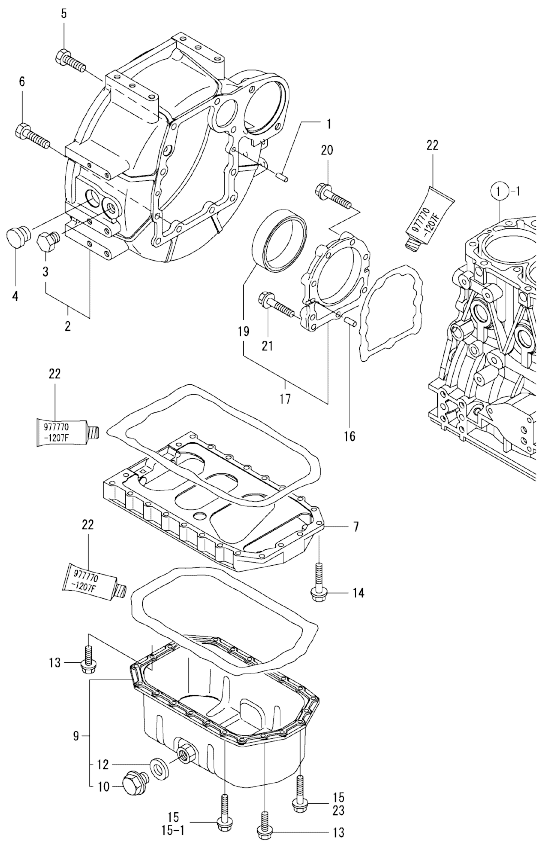
Fig.2. GEAR HOUSING



Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-01500	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	129005-01520	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, M8X 16 PLATED	4							
25	1	26106-080162	BOLT, M8X 16 PLATED	3							
26	1	26106-080552	BOLT, M8X 55 PLATED	11							
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, M6X 16 PLATED	2							
31	1	977770-1207F	GASKET,LIQUID	1							1
32	1	124240-01871	COVER	1							
33	1	124240-01883	GASKET	1							
34	1	26106-080162	BOLT, M8X 16 PLATED	4							
35	1	129430-26070	COVER	1							
36	1	24321-000800	O-RING, 1AG80.0	1							
37	1	26106-080252	BOLT, M8X 25 PLATED	1							
38	1	26106-100302	BOLT, M10X 30 PLATED	2							

Fig.3. FLYWHEEL HOUSING & OIL SUMP



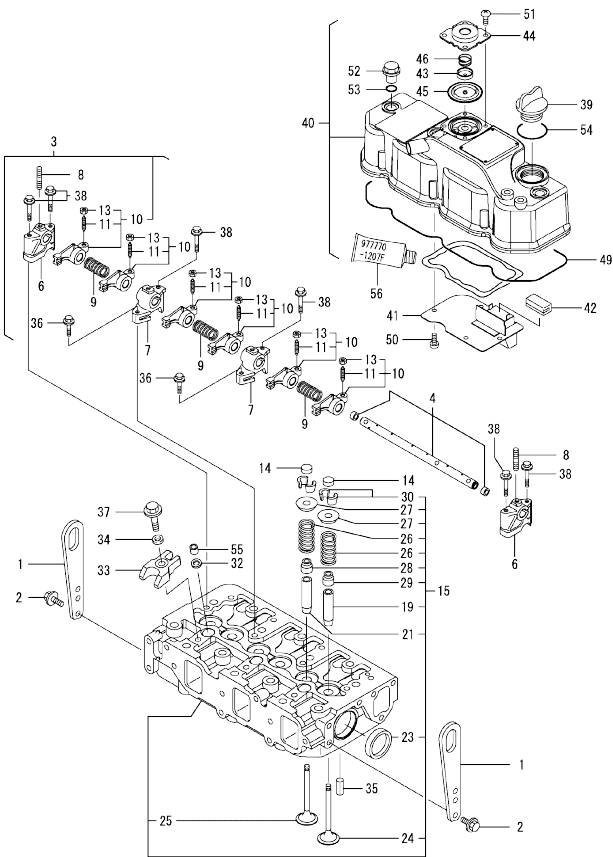
Remarks
(1) OPTIONAL PART.

(A)=3TNV88-DSAP
(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	119888-01601	HOUSING, FLYWHEEL	1							
3	2	129486-35210	PLUG, 3/4-16UNF	1							
4	1	119620-01750	CAP	1							
5	1	26206-100252	BOLT, M10X 25 PLATED	6							
6	1	26206-100302	BOLT, M10X 30 PLATED	4							
7	1	129100-01730	SPACER, OIL SUMP	1							
9	1	129100-01760	SUMP ASSY, OIL	1							
10	2	119640-01640	PLUG, DRAIN M22	1							
12	2	22190-220002	WASHER, SEAL 22	1							
13	1	26106-080162	BOLT, M8X 16 PLATED	4							
14	1	26106-080252	BOLT, M8X 25 PLATED	2							
15	1	26106-080452	BOLT, M8X 45 PLATED	20							
15-1	1	26106-080452	BOLT, M8X 45 PLATED	16							K
(A=FROM 1ST)											
16	1	129100-01580	PIN, M8X16	2							
17	1	129100-01640	CASE ASSY, OIL SEAL	1							
19	2	129795-01780	SEAL, OIL	1							
20	1	129486-01670	BOLT, M8X30	6							
21	1	26106-080352	BOLT, M8X 35 PLATED	3							
22	1	977770-1207F	GASKET,LIQUID	1							1
23	1	26106-080502	BOLT, M8X 50 PLATED	4							W
(A=FROM 1ST)											

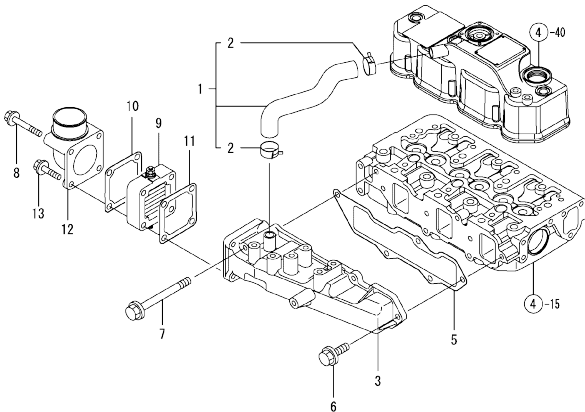
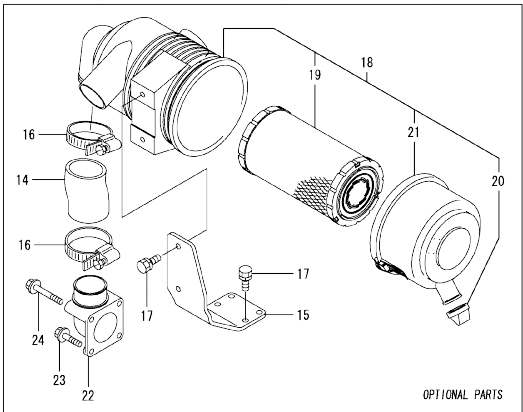
Fig.4. CYLINDER HEAD & BONNET



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

Fig.5. SUCTION MANIFOLD & AIR CLEANER



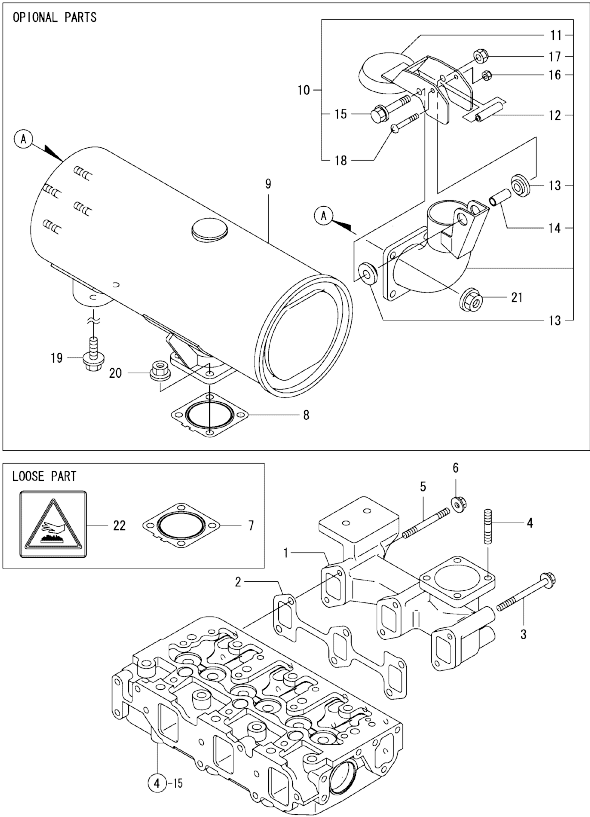
Remarks
(1) OPTIONAL PART.

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(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	26106-080802	BOLT, M8X 80 PLATED	2							
9	1	129100-77501	HEATER	1							
10	1	129100-77510	GASKET, AIR HEATER	1							
11	1	129150-77511	GASKET	1							
12	1	171340-77520	BEND	1							
13	1	26106-080402	BOLT, M8X 40 PLATED	2							
14	1	119910-12210	PIPE, AIR INTAKE	1							1
15	1	119802-12560	BRACKET, AIR CLEANER	1							1
16	1	23000-070000	CLAMP, 70	2							1
17	1	26013-080222	BOLT, M8X 22	6							1
18	1	119802-12500	CLEANER ASSY, AIR	1							1
19	2	129004-12520	ELEMENT 5INCH	1							1
20	2	119808-12540	VALVE, UNLOADER	1							1
21	2	119866-12541	COVER ASSY	1							1
22	1	171340-77520	BEND	1							1
23	1	26106-080402	BOLT, M8X 40 PLATED	2							1
24	1	26106-080802	BOLT, M8X 80 PLATED	2							1

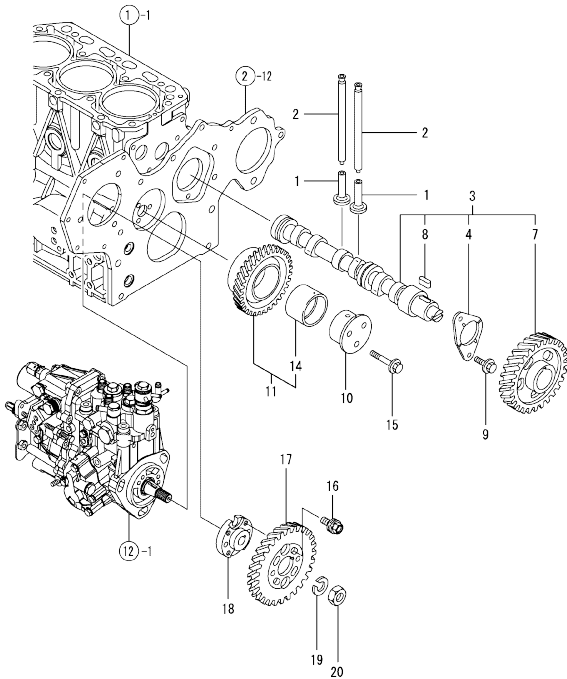
Fig.6. EXHAUST MANIFOLD & SILENCER



Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-13109	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							
8	1	129004-13200	GASKET, SILENCER	2							1
9	1	129004-13500	SILENCER	1							1
10	1	129005-13600	PIPE ASSY, TAIL	1							1
11	2	119358-13640	CAP, RAIN	1							1
12	2	121855-13821	SPACER, A	1							1
13	2	121855-13830	SPACER, B	2							1
14	2	123500-13840	SPACER, C	1							1
15	2	26106-060402	BOLT, M6X 40 PLATED	1							1
16	2	26347-040002	NUT, M4	1							1
17	2	26347-060002	NUT, M6	1							1
18	2	26557-040352	SCREW, M4X35	1							1
19	1	26106-080252	BOLT, M8X 25 PLATED	2							1
20	1	26306-080002	NUT, M8	4							1
21	1	26306-080002	NUT, M8	4							1
22	1	114220-07130	LABEL, HOT SURFACE	1							W
(A=EXXXXX)											

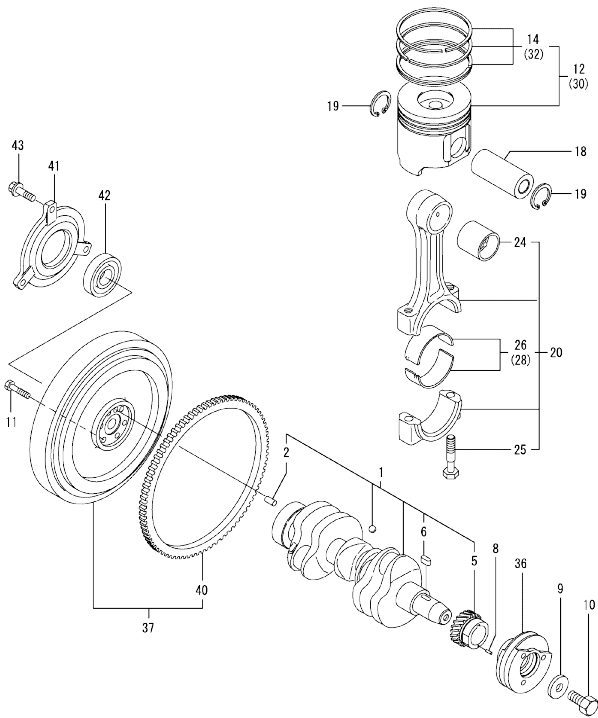
Fig.7. CAMSHAFT & DRIVING GEAR



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	119802-25101	GEAR ASSY, IDLE	1							
14	2	119802-25071	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



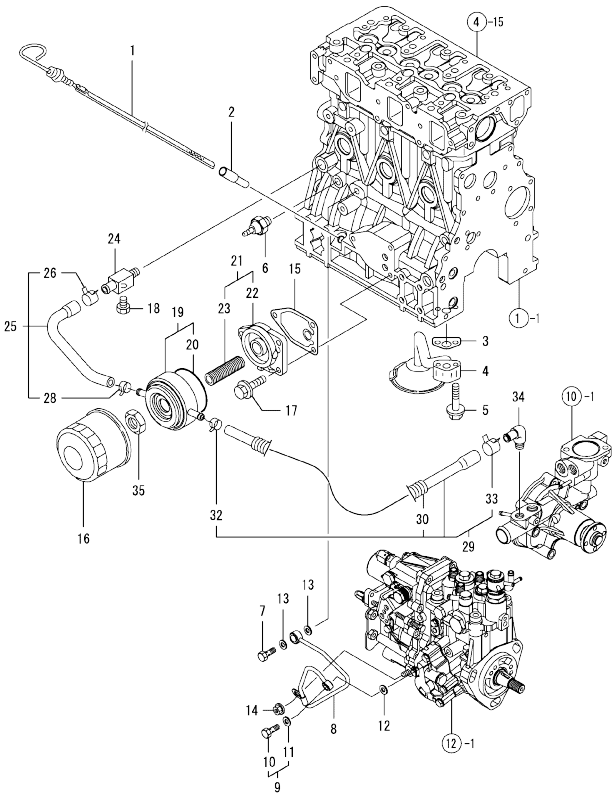
(A)=3TNV88-DSAP
(B)=
(C)=

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

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	129795-21661	WASHER	1							
10	1	121850-21680	BOLT	1							
11	1	121111-21501	BOLT, FLYWHEEL	6							
12	1	129005-22080	PISTON ASSY	3							
14	2	129005-22500	RING SET, PISTON	3							
18	1	129202-22300	PIN, PISTON D26 L70	3							
19	1	22252-000260	RING, 26	6							
20	1	729402-23100	ROD ASSY, CONNECTING	3							
24	2	129100-23910	BEARING, PISTON PIN	3							1
25	2	121550-23200	BOLT, CONNECTING ROD	6							
26	2	129150-23601	BEARING, CRANK PIN	3							
28	1	129150-23611	BEARING, 0.25 US	3							2
30	1	129005-22900	PISTON ASSY, 0.25 OS	3							3
32	2	129005-22950	RING SET, 0.25 OS	3							3
36	1	129004-21650	V-PULLEY, 110	1							
37	1	129188-21590	FLYWHEEL ASSY	1							
40	2	119865-21600	GEAR, RING	1							
41	1	119888-21450	RETAINER, BEARING	1							
42	1	24104-062054	BEARING, BALL 6205UU	1							
43	1	26106-080222	BOLT, M8X 22 PLATED	3							

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

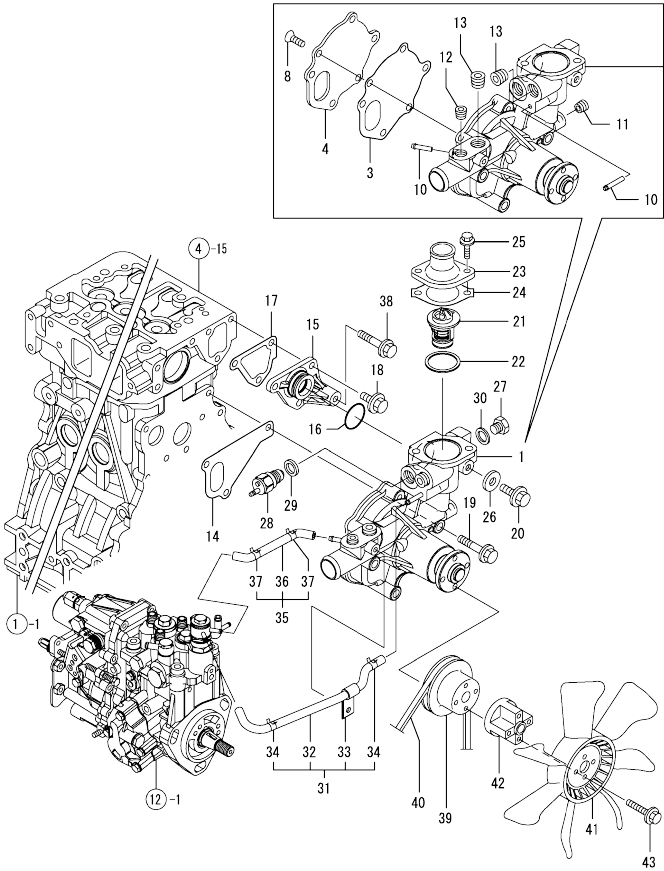
Fig.9. LUB.OIL SYSTEM



Remarks
(1) REPAIR PART.

OCR10-M65400 Fig.9									
(A)=3TNV88-DSAP (D)= (B)= (E)= (C)= (F)=									
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)
1	1	129004-34802	DIPSTICK, OIL	1					
2	1	121520-34810	GUIDE, DIPSTICK	1					
3	1	129150-35042	GASKET	1					
4	1	129100-35301	PIPE ASSY, OIL INLET	1					
5	1	26106-080352	BOLT, M8X 35 PLATED	2					
6	1	114250-39450	SWITCH, 0.5KG	1					
7	1	124160-39140	BOLT, PIPE JOINT M10	1					
8	1	119802-39450	PIPE ASSY, OIL	1					
9	1	129005-59830	BOLT ASSY, JOINT M8	1					
10	2	23857-030000	BOLT, JOINT 3	1					
11	2	22190-080002	WASHER, SEAL 6	1					
12	1	22190-080002	WASHER, SEAL 6	1					
13	1	22190-100002	WASHER, SEAL 10	2					
14	1	26366-060002	NUT, M6	1					
15	1	129150-35111	GASKET	1					
16	1	129150-35170	FILTER,LO	1					1
17	1	26106-080202	BOLT, M8X 20 PLATED	3					
18	1	171056-49120	PLUG, DRAIN	1					
19	1	129508-33010	COOLER ASSY, OIL	1					
20	2	129508-33050	O-RING	1					
21	1	129006-35100	BRACKET ASSY, FILTER	1					
22	2	119802-35110	BRACKET, FILTER	1					
23	2	129417-35150	STUD, L=67	1					
24	1	129006-44480	JOINT	1					
25	1	129508-49030	PIPE ASSY, WATER	1					
26	2	171008-03990	CLIP, HOSE 18.5	1					
28	2	23080-015000	CLAMP, 15	1					
29	1	129006-49040	PIPE ASSY, WATER	1					
30	2	129642-49180	TUBE, CORRUGATED	1					
32	2	23080-015000	CLAMP, 15	1					
33	2	23080-018000	CLAMP, 18	1					
34	1	129103-49301	ELBOW, PT1/4	1					
35	1	129417-33110	NUT	1					

Fig.10. COOLING WATER SYSTEM

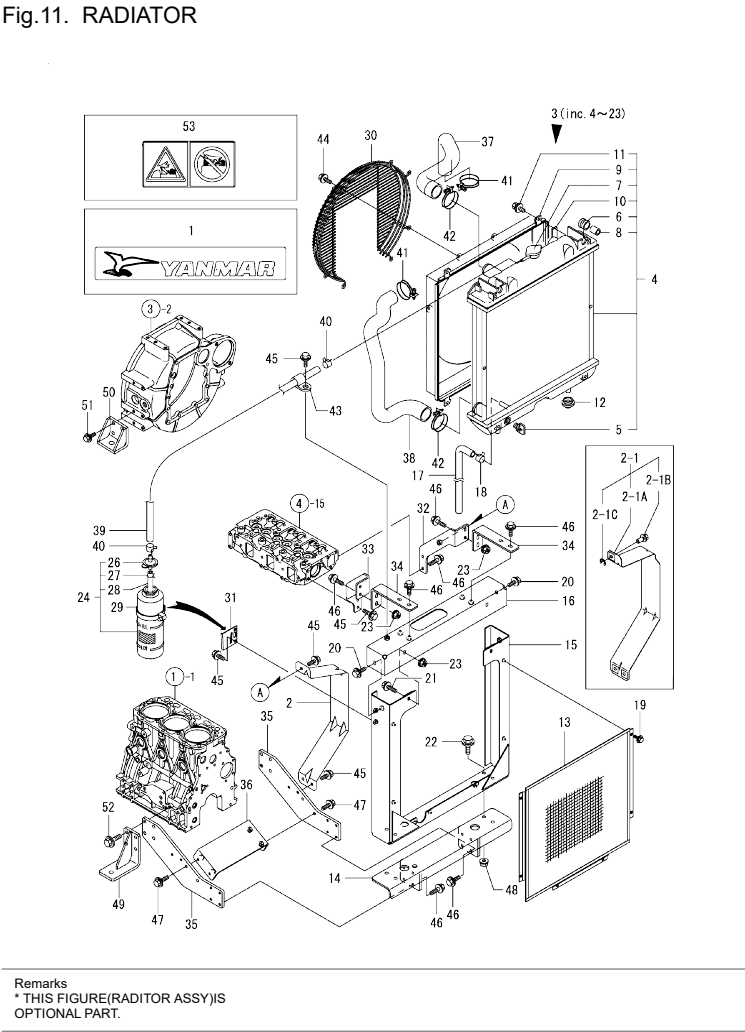


(A)=3TNV88-DSAP
(B)=
(C)=

(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	26106-080122	BOLT, M8X 12 PLATED	1							
21	1	129155-49801	THERMOSTAT, 71	1							
22	1	129150-49811	GASKET, THERMOSTAT	1							
23	1	129350-49530	COVER, THERMOSTAT	1							
24	1	129795-49551	GASKET	1							
25	1	26106-080222	BOLT, M8X 22 PLATED	2							
26	1	23414-080000	GASKET, 8X1.0	1							
27	1	121450-42450	PLUG, M16	1							
28	1	121250-44901	SWITCH, 110	1							
29	1	124465-44950	GASKET, 16	1							
30	1	124465-44950	GASKET, 16	1							
31	1	129004-49610	PIPE ASSY, WATER	1							
32	2	129004-49711	PIPE ASSY, WATER	1							
33	2	119802-49730	RETAINER, PIPE	1							
34	2	124722-59050	CLIP, HOSE 9	2							
35	1	129004-49620	PIPE ASSY, WATER	1							
36	2	129004-49721	PIPE ASSY, WATER	1							
37	2	124722-59050	CLIP, HOSE 9	2							
38	1	26106-080452	BOLT, M8X 45 PLATED	1							
39	1	129403-42380	V-PULLEY, D=110	1							
40	1	119865-42290	V-BELT, A36.5	1							
40-1	1	25152-003600	V-BELT, A36	1							N
(A=EXXXXX)											
41	1	121267-44741	FAN, COOLING D=360	1							
42	1	129030-44760	SPACER, FAN L38.5	1							
43	1	26106-060502	BOLT, M6X 50 PLATED	4							

Fig.11. RADIATOR



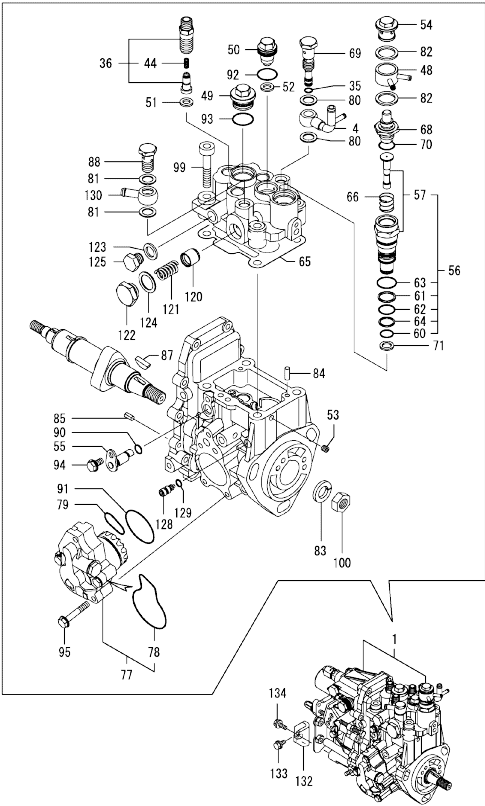
OCR10-M65400 Fig.11									
(A)=3TNV88-DSAP (D)= (B)= (E)= (C)= (F)=									
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)
1	1	129247-07000	LABEL,YANMAR	1					
2	1	129247-42800	COVER	1					
2-1	1	129247-42810	COVER CMP,V-BELT	1					N
(A=EXXXXX)									
2-1A	2	129247-42801	COVER,V-BELT	1					W
(A=EXXXXX)									
2-1B	2	119746-42820	SCREW,V-BELT COVER	3					W
(A=EXXXXX)									
2-1C	2	22276-000060	RING, E- 6	3					W
(A=EXXXXX)									
3	1	129247-44500	RADIATOR ASSY	1					
4	2	129044-44500	RADIATOR ASSY	1					
5	3	129508-44550	COCK ASSY	1					
6	3	129467-44580	MOUNT, RUBBER	2					
7	3	129107-44590	CAP, RADIATOR	1					
8	3	129467-44590	COLLAR	2					
9	3	129044-44600	SHROUD	1					
10	3	129601-44610	GASKET	2					
11	3	26014-060122	BOLT, M6X 12	4					
12	2	119255-44660	ABSORBER	2					
13	2	129247-44800	SCREEN, RADIATOR	1					
14	2	129247-44960	BRACKET, RADIATOR	1					
15	2	129247-44970	BRACKET, RADIATOR	1					
16	2	129247-44980	BRACKET, RADIATOR	1					
17	2	121520-49160	PIPE, WATER DRAIN	1					
18	2	124766-59050	CLIP, HOSE 12	1					
19	2	26106-060162	BOLT, M6X 16 PLATED	6					
20	2	26106-080162	BOLT, M8X 16 PLATED	2					
21	2	26106-080352	BOLT, M8X 35 PLATED	2					
22	2	26106-100202	BOLT, M10X 20 PLATED	4					
23	2	26366-080002	NUT, M8	6					
24	1	124450-44510	TANK ASSY, SUB	1					
26	2	124450-44530	CAP	1					
27	2	124450-44560	RETAINER	1					
28	2	23061-070230	PIPE, 7X 230	1					
29	1	124450-44550	BAND	1					
30	1	129601-44560	GUARD	1					
31	1	121256-44600	BRACKET, SUB TANK	1					
32	1	129247-44910	STAY, MUFFLER	1					
33	1	129247-44920	STAY, MUFFLER	1					
34	1	129247-44930	STAY, MUFFLER	2					
35	1	129247-44950	BRACKET, RADIATOR	2					
36	1	129247-44990	BRACKET, RADIATOR	1					
37	1	129602-49010	PIPE, WATER	1					
38	1	129612-49040	PIPE, WATER	1					
39	1	170004-49160	PIPE ASSY, DRAIN	1					
40	1	124766-59050	CLIP, HOSE 12	2					
41	1	23010-038000	CLAMP, 38	2					
42	1	23010-044000	CLAMP, A12X 8	2					
43	1	23297-120081	CLAMP, A12X 8	1					
44	1	26106-060162	BOLT, M6X 16 PLATED	8					

N:Old, New, Q:Old, New, R:Old, New, S:Old, New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Qty Change
++ CONTINUE ++
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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

Fig.12. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY(FIG.13) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

										OCR10-M65400 Fig.12	
										(A)=3TNV88-DSAP	
										(D)=	
										(E)=	
										(F)=	
										Q'ty	
										(A) (B) (C) (D) (E) (F)	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729005-51310	PUMP ASSY, INJECTION	1							1
4	2	158552-51670	JOINT, OVER FLOW	1							
35	2	158563-51281	O-RING, 4D S6	1							
36	2	129509-51390	VALVE ASSY, DELIVERY	3							W
(A=2008.02.)											
44	3	158563-51330	SPRING, 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							
77	2	158552-52100	PUMP ASSY, FUEL FEED	1							
78	3	158552-52500	O-RING	1							
79	2	158552-52310	O-RING	1							
80	2	22190-120002	WASHER, SEAL 12	2							
81	2	22190-120002	WASHER, SEAL 12	2							
82	2	22190-180002	WASHER, SEAL 18	2							
83	2	22217-140000	WASHER, SPRING 14	1							
84	2	22312-050140	PIN, PARALLEL M5X14	2							
85	2	22351-050010	PIN, SPRING 5.0X10	2							
87	2	119802-51090	KEY, 4X16	1							
88	2	23857-060000	BOLT, JOINT 6	1							
90	2	24311-000070	O-RING, 1AP7.0	1							
91	2	158552-52400	O-RING, 4E S42	1							
92	2	24356-010180	O-RING, 4D1018	1							
93	2	24356-010200	O-RING, 4D1020	1							
94	2	26106-060102	BOLT, M6X 10 PLATED	1							
95	2	158553-51770	BOLT	4							
99	2	26450-080452	BOLT, M8X 45	4							
100	2	26776-140002	NUT, LOCK M14	1							
120	2	158601-51770	PISTON	1							
121	2	158552-51780	SPRING	1							
122	2	158601-51790	PLUG	1							
123	2	22190-120002	WASHER, SEAL 12	1							
124	2	22190-180002	WASHER, SEAL 18	1							

N:Old

→

New

Q:Old

→

New

R:Old

→

New

S:Old

→

New

W:Add

Z:Discontinued

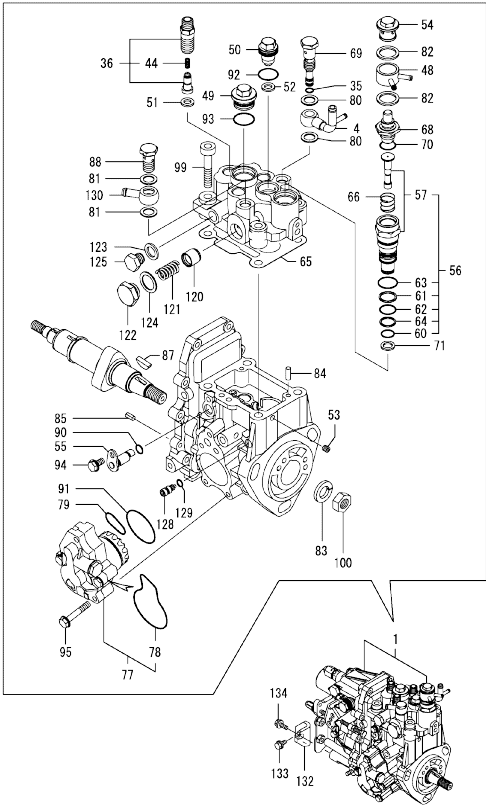
F:Interchangeable by set

K:Q'ty Change

++ CONTINUE ++

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Fig.12. FUEL INJECTION PUMP



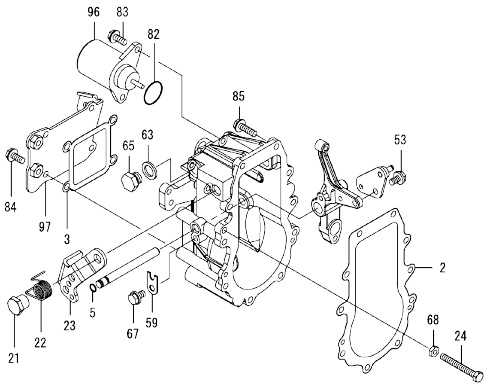
Remarks
(1) GOVERNOR ASSY(FIG.13) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

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

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
125	2	23887-120002	PLUG, 12	1							
128	2	158600-51270	STOPPER, TAPPET	1							
129	2	158563-51281	O-RING, 4D S6	1							
130	2	129916-59020	JOINT, PIPE 12	1							
132	1	119802-51250	RETAINER, PUMP	1							
133	1	26106-080162	BOLT, M8X 16 PLATED	1							
134	1	26106-080202	BOLT, M8X 20 PLATED	1							

Fig.13. GOVERNOR



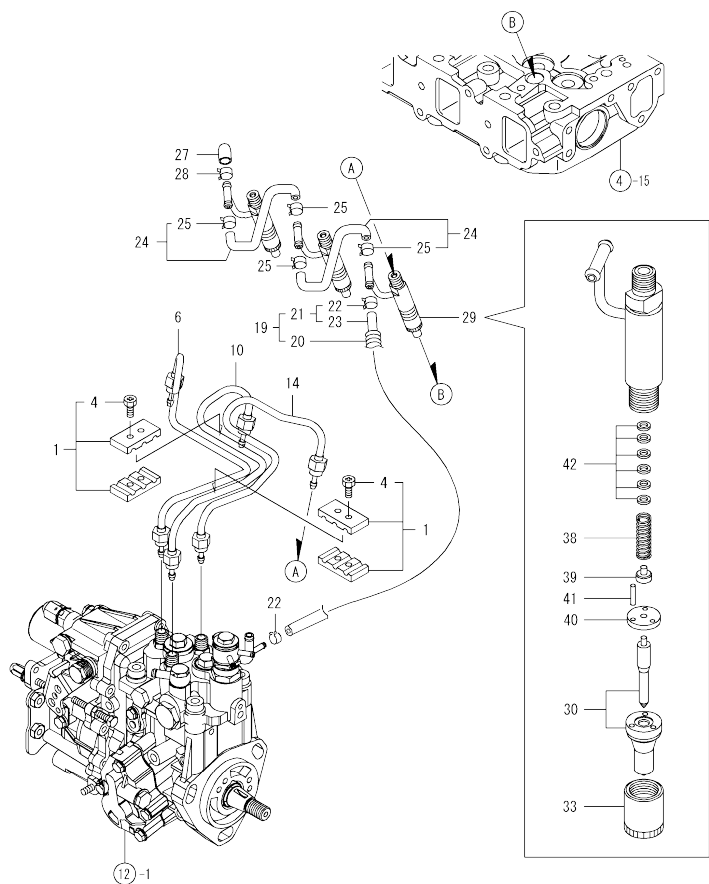
Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.12).

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

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

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	158552-61900	O-RING	1							
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	158552-61061	COVER, GOVERNOR CASE	1							

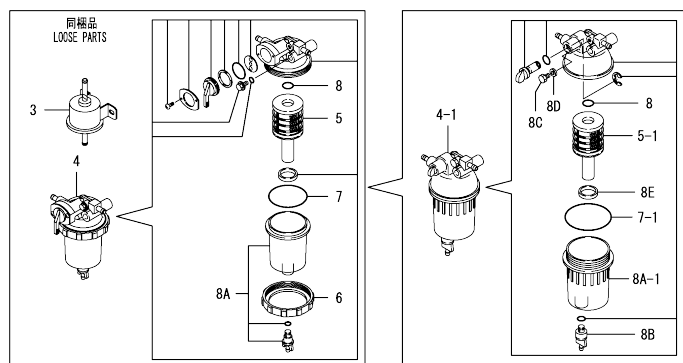
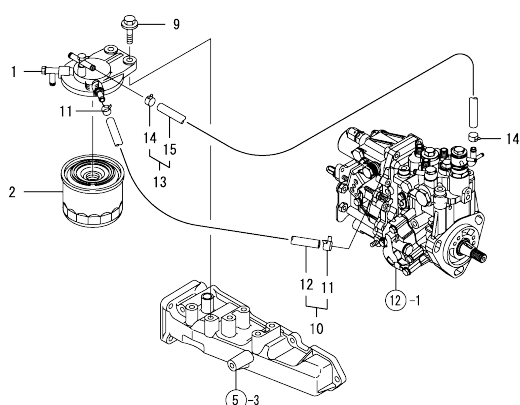
Fig.14. FUEL INJECTION VALVE



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

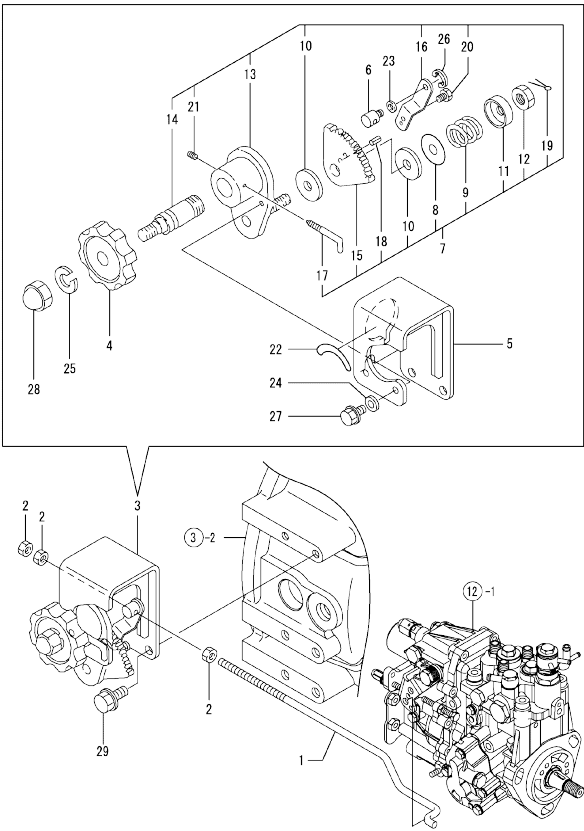
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-59120	RETAINER, PIPE	2							
4	2	129150-59131	BOLT, M4X14	4							
6	1	129004-59811	PIPE ASSY, INJECTION	1							
10	1	129004-59821	PIPE ASSY, INJECTION	1							
14	1	129004-59831	PIPE ASSY, INJECTION	1							
19	1	129263-59550	PIPE ASSY, RETURN	1							
20	2	129486-59320	TUBE, CORRUGATED	1							
21	2	119802-59550	PIPE ASSY, RETURN	1							
22	3	124722-59050	CLIP, HOSE 9	2							
23	3	119802-59560	PIPE, FUEL RETURN	1							
24	1	129486-59551	PIPE ASSY, RETURN	2							
25	2	124722-59050	CLIP, HOSE 9	4							
27	1	119593-59581	CAP	1							
28	1	124060-77680	CLIP, HOSE 10	1							
29	1	729004-53101	VALVE ASSY,INJECTION	3							
30	2	129004-53001	VALVE ASSY,INJECTION	3							
33	2	114250-53080	NUT, NOZZLE D16.95	3							
38	2	114250-53120	SPRING, NOZZLE	3							
39	2	114250-53130	SEAT, SPRING	3							
40	2	114250-53140	PLATE	3							
41	2	114250-53210	PIN	6							
42	2	114250-53400	SHIM SET	3							



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129004-55612	BRACKET, FILTER	1							
2	1	119802-55810	FILTER,FO	1							
3	1	119225-52102	PUMP ASSY, FUEL FEED	1							
4	1	119802-55700	SEPARATOR ASSY	1							
4-1	1	129242-55700	SEPARATOR ASSY	1						N	
(A=*2008.08.)											
5	2	119802-55710	ELEMENT	1							
5-1	2	129242-55730	ELEMENT	1						S	
(A=*2008.08.)											
6	2	129100-55690	RING, RETAINING	1						Z	
(A=*2008.08.)											
7	2	24321-000650	O-RING, 1AG65.0	1							
7-1	2	24321-000750	O-RING, 1AG75.0	1						S	
(A=*2008.08.)											
8	2	24311-000160	O-RING, 1AP16.0	1							
8A	2	119802-55730	CUP ASSY	1						W	
(A=FROM 1ST)											
8A-1	2	129242-55720	CUP	1						S	
(A=*2008.08.)											
8B	2	129242-55740	PLUG, DRAIN	1						W	
(A=*2008.08.)											
8C	2	129242-55750	VALVE, AIR VENT	1						W	
(A=*2008.08.)											
8D	2	129242-55760	GASKET	1						W	
(A=*2008.08.)											
8E	2	129242-55770	FLOAT	1						W	
(A=*2008.08.)											
9	1	26106-080302	BOLT, M8X 30 PLATED	2							
10	1	129210-59100	PIPE ASSY, FUEL	1							
11	2	124766-59050	CLIP, HOSE 12	2							
12	2	105025-59580	PIPE, FUEL	1							
13	1	129210-59230	PIPE ASSY, FUEL	1							
14	2	124766-59050	CLIP, HOSE 12	2							
15	2	129555-59511	PIPE, FUEL	1							

Fig.16. ENGINE CONTROL DEVICE



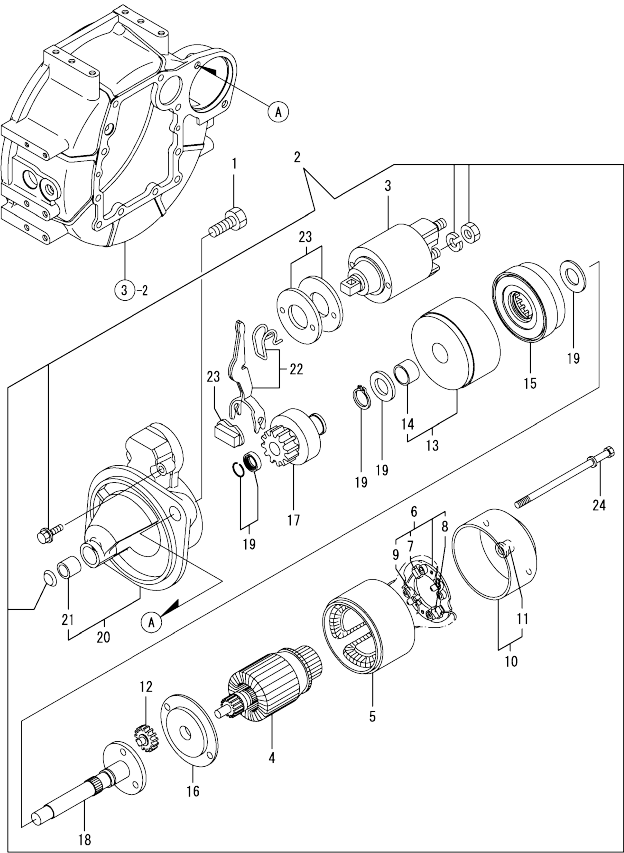
(A)=3TNV88-DSAP
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129247-66120	LINK, ENGINE CONTROL	1							
2	1	26756-050002	NUT, LOCK M5	3							
3	1	119888-66161	CONTROLLER ASSY	1							
4	2	126650-66020	HANDLE, REGULATOR	1							
5	2	119888-66111	BRACKET	1							
6	2	119888-66130	PIVOT	1							
7	2	171048-67010	CONTROLLER ASSY	1							
8	3	171102-66080	WASHER	1							
9	3	104200-66820	SPRING	1							
10	3	104200-66831	PLATE, FRICTION	2							
11	3	104200-66850	WASHER	1							
12	3	104200-66860	NUT	1							
13	3	171085-67100	BRACKET	1							
14	3	171085-67110	SHAFT, DRIVE	1							
15	3	171085-67120	GEAR	1							
16	3	171048-67130	LEVER	1							
17	3	171048-67140	STOPPER	1							
18	3	22351-020006	PIN, SPRING 2.0X 6	1							
19	3	22411-200150	COTTER PIN	1							
20	3	26116-060082	BOLT, M6X 8 PLATED	1							
21	3	26921-050122	SCREW, M5X12	1							
22	2	170064-67210	LABEL, HANDLE	1							
23	2	22117-060000	WASHER, 6	1							
24	2	22137-100000	WASHER, 10	1							
25	2	22217-100000	WASHER, SPRING 10	1							
26	2	22272-000050	RING, E- 5	1							
27	2	26106-060102	BOLT, M6X 10 PLATED	2							
28	2	26657-100002	NUT, CAP M10	1							
29	1	26106-080162	BOLT, M8X 16 PLATED	2							

Remarks
* THIS FIGURE(ENGINE CONTROL DEVICE)
ASSY)IS OPTIONAL PART.

Fig.17. STARTING MOTOR

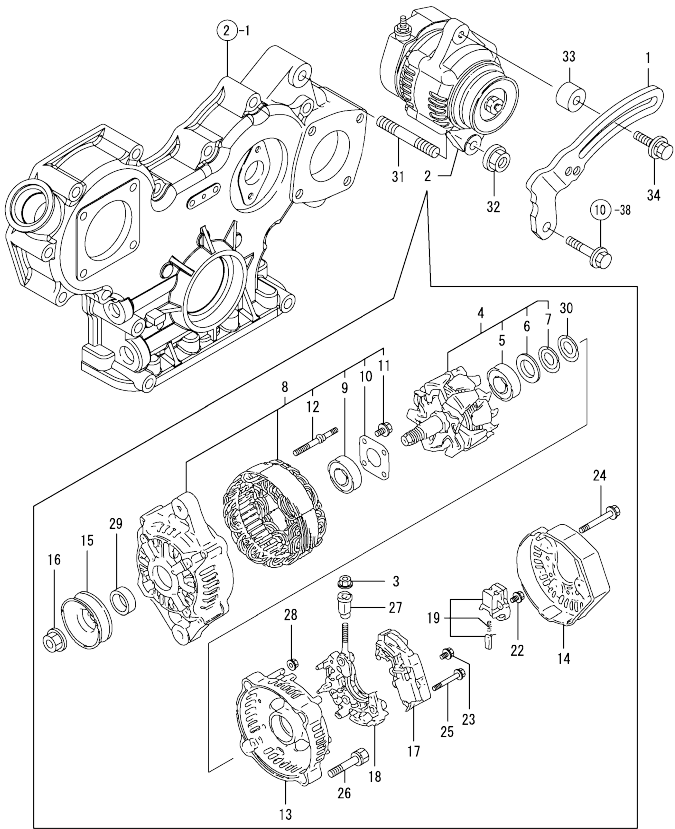


(A)=3TNV88-DSAP
(B)=
(C)=

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

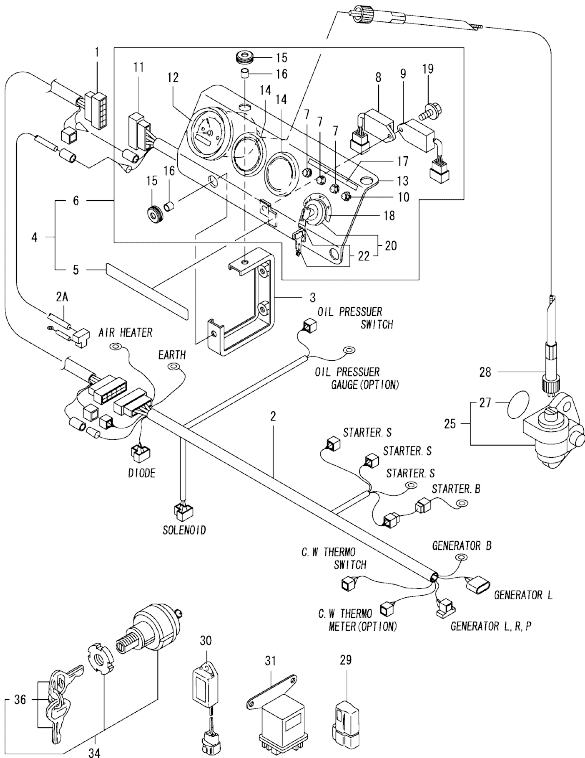
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	26116-120202	BOLT, M12X 20 PLATED	2							
2	1	129242-77010	STARTER	1							
3	2	129698-77020	MAGNETIC SWITCH ASSY	1							
4	2	129242-77100	ARMATURE ASSY	1							
5	2	129242-77110	YOKE ASSY	1							
6	2	129242-77120	BRUSH 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							

Fig.18. GENERATOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129064-77330	ADJUSTER	1							
2	1	129423-77200	GENERATOR, 12V-40A	1							
3	2	X9490561001	NUT	1							
4	2	119620-77380	ROTOR ASSY	1							
5	3	123501-79240	BEARING, BALL	1							
6	3	119620-79250	COVER, BEARING	1							
7	3	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	129052-79270	HOLDER, BRUSH	1							
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	2	119620-79360	WASHER, THRUST	1							
31	1	129795-01900	STUD	1							
32	1	26306-100002	NUT, M10	1							
33	1	129067-77340	SPACER	1							
34	1	129972-77341	BOLT, ADJUSTER L=50	1							

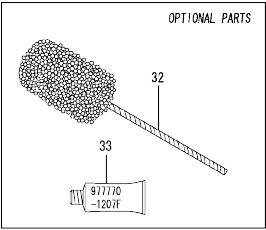
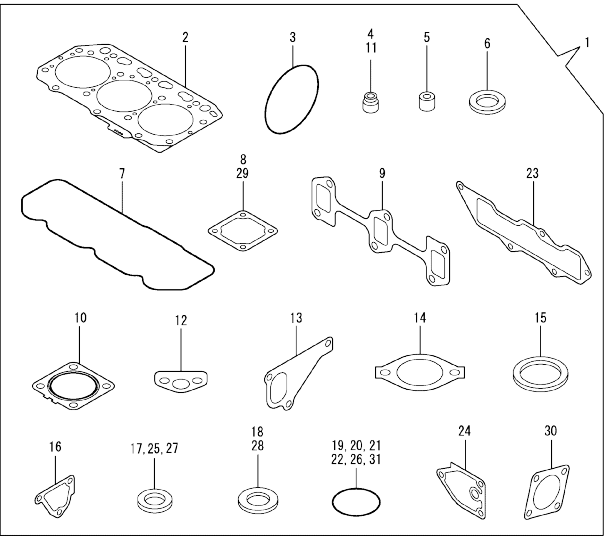
Fig.19. ELECTRIC PARTS



Remarks
* THIS FIGURE(ELECTRIC PARTS ASSY)IS
OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119946-91010	CORD, EXTENSION	1							
2	1	119888-91026	HARNESS, WIRE	1							
2-1	1	119888-91027	HARNESS, WIRE	1							N
(A=2008.10.)											
2A	1	119946-91020	CORD, EXTENSION	1							W
(A=EZZZZZ)											
3	1	119888-91120	SUPPORT	2							
4	1	119888-91102	PANEL ASSY	1							
5	2	104507-07190	LABEL, YANMAR	1							
6	2	170121-91101	PANEL ASSY	1							
7	3	124732-77720	LAMP, CHARGING	3							
8	3	128300-77920	TIMER	1							
9	3	129211-77920	TIMER	1							
10	3	124559-77971	LAMP, PILOT	1							
11	3	119888-91032	HARNESS, WIRE	1							
12	3	171080-91101	TACHOMETER	1							
13	3	119888-91110	BODY, PANEL	1							
14	3	124770-91220	COVER	2							
15	3	121400-91520	ABSORBER	4							
16	3	121400-91530	SPACER	4							
17	3	119888-91610	LABEL, CW & OIL LAMP	1							
18	3	119888-91620	LABEL, KEY SWITCH	1							
19	3	26106-060102	BOLT, M6X 10 PLATED	1							
20	3	933110-00100	SWITCH ASSY, STARTER	1							
22	4	933110-00301	KEY ASSY	2							
25	1	129150-91400	GEAR	1							
27	2	24341-000240	O-RING, 1AS24.0	1							
28	1	124737-91420	CABLE, TACHOMETER	1							
29	1	119643-66900	DIODE	1							
30	1	129211-77920	TIMER	1							
31	1	119650-77910	RELAY ASSY, GLOW	1							
34	1	933110-00100	SWITCH ASSY, STARTER	1							
36	2	933110-00301	KEY ASSY	1							

Fig.20. GASKET SET



Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729150-92900	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	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	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	129100-77510	GASKET, AIR HEATER	1							
30	2	124240-01883	GASKET	1							
31	2	24321-000800	O-RING, 1AG80.0	1							
32	1	129400-92430	HONE	1							1
33	1	977770-1207F	GASKET, LIQUID	1							1

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Parts No.	Fig. No.	Ref. No.
104200-66820	16	9
104200-66831	16	10
104200-66850	16	11
104200-66860	16	12
104507-07190	19	5
105025-59580	15	12
114220-07130	6	22
114250-39450	9	6
114250-53080	14	33
114250-53120	14	38
114250-53130	14	39
114250-53140	14	40
114250-53210	14	41
114250-53400	14	42
118400-77170	17	12
119131-18320	6	4
119225-52102	15	3
119255-44660	11	12
119358-13640	6	11
119593-59581	14	27
119609-32040	2	17
	20	26
119620-01750	3	4
119620-77380	18	4
119620-77421	18	8
119620-77440	18	13
119620-77461	18	15
119620-77471	18	16
119620-77490	18	29
119620-79200	18	9
119620-79210	18	10
119620-79220	18	11
119620-79230	18	12
119620-79250	18	6
119620-79260	18	18
119620-79290	18	22
119620-79300	18	23
119620-79310	18	24
119620-79320	18	25
119620-79330	18	26
119620-79340	18	27
119620-79350	18	28
119620-79360	18	7
		30
119625-11880	4	32
	20	6
119640-01640	3	10
119643-66900	19	29
119650-77910	19	31
119653-77950	13	96

Parts No.	Fig. No.	Ref. No.
119660-61901	13	59
119746-42820	11	2 -1B
119802-01561	2	13
119802-03110	4	43
119802-03121	4	44
119802-03130	4	45
119802-03141	4	46
119802-11260	4	6
119802-11270	4	7
119802-11280	4	8
119802-11870	4	55
	20	5
119802-12500	5	18
119802-12560	5	15
119802-21202	8	5
119802-25051	7	10
119802-25071	7	14
119802-25101	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
119802-35110	9	22
119802-39450	9	8
119802-49113	10	10
119802-49730	10	33
119802-51090	12	87
119802-51250	12	132
119802-51560	12	50
119802-51590	12	56
119802-51600	12	57
119802-51680	12	61
119802-51690	12	62
119802-55700	15	4
119802-55710	15	5
119802-55730	15	8 A
119802-55810	15	2
119802-59550	14	21
119802-59560	14	23
119807-61420	13	22
119808-12540	5	20
119865-21600	8	40
119865-42290	10	40
119866-12541	5	21
119888-01601	3	2
119888-08110	11	50
119888-21450	8	41
119888-66111	16	5

Parts No.	Fig. No.	Ref. No.
119888-66130	16	6
119888-66161	16	3
119888-91026	19	2
119888-91027	19	2 -1
119888-91032	19	11
119888-91102	19	4
119888-91110	19	13
119888-91120	19	3
119888-91610	19	17
119888-91620	19	18
119910-12210	5	14
119946-91010	19	1
119946-91020	19	2 A
120130-11860	4	19
120270-54410	4	34
121023-01551	2	28
121111-21501	8	11
121250-44901	10	28
121256-44600	11	31
121267-44741	10	41
121400-11340	4	28
	20	11
121400-91520	19	15
121400-91530	19	16
121450-42450	10	27
121520-34810	9	2
121520-49160	11	17
121550-23200	8	25
121850-21680	8	10
121850-42410	10	8
121850-51960	2	21
	20	3
121855-13821	6	12
121855-13830	6	13
123500-13840	6	14
123501-79240	18	5
123900-13610	6	5
123900-13630	6	3
124060-01050	1	5
124060-77680	14	28
124160-01751	2	14
	4	39
124160-01910	1	7
		8
124160-11360	4	52
124160-39140	9	7
124195-77770	17	24
124240-01871	2	15
		32
124240-01883	2	33

Parts No.	Fig. No.	Ref. No.
124240-01883	20	30
124395-49840	10	17
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124450-44510	11	24
124450-44530	11	26
124450-44550	11	29
124450-44560	11	27
124460-11340	4	29
	20	4
124465-44950	10	29
		30
	20	18
124559-77971	19	10
124722-59050	10	34
		37
	14	22
		25
124732-77720	19	7
124737-91420	19	28
124766-59050	11	18
		40
	15	11
		14
124770-91220	19	14
126650-66020	16	4
128300-77920	19	8
129001-01250	1	6
129001-01340	1	33
	20	2
129001-02931	1	25
129001-12110	5	5
	20	23
129001-32330	2	11
129001-91841	2	22
129004-01190	1	31
129004-03010	4	41
129004-03080	5	1
129004-11241	4	3
129004-11251	4	4
129004-11310	4	49
	20	7
129004-11350	4	40
129004-11650	4	10
129004-11900	4	33
129004-12100	5	3
129004-12520	5	19
129004-13109	6	1
129004-13200	6	7
		8
	20	10

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Parts No.	Fig. No.	Ref. No.
129004-13500	6	9
129004-21002	8	1
129004-21650	8	36
129004-34802	9	1
129004-42001	10	1
129004-42040	10	15
129004-49610	10	31
129004-49620	10	35
129004-49711	10	32
129004-49721	10	36
129004-53001	14	30
129004-55612	15	1
129004-59811	14	6
129004-59821	14	10
129004-59831	14	14
129005-01520	2	12
129005-11100	4	24
129005-11700	4	15
129005-13600	6	10
129005-22080	8	12
129005-22500	8	14
129005-22900	8	30
129005-22950	8	32
129005-59830	9	9
129006-35100	9	21
129006-44480	9	24
129006-49040	9	29
129030-44760	10	42
129044-44500	11	4
129044-44600	11	9
129052-79270	18	19
129064-77330	18	1
129067-77340	18	33
129100-01580	3	1
	8	16
	8	2
129100-01640	3	17
129100-01730	3	7
129100-01760	3	9
129100-11112	4	25
129100-23910	8	24
129100-35301	9	4
129100-42051	10	3
129100-42121	10	4
129100-55690	15	6
129100-77501	5	9
129100-77510	5	10
	20	29
129103-49301	9	34
129107-44590	11	7

Parts No.	Fig. No.	Ref. No.
129129-14580	7	3
129150-01200	1	32
129150-02020	1	10
129150-02450	7	4
129150-02871	1	34
129150-02931	1	28
129150-02941	1	37
129150-03070	4	42
129150-11230	4	11
129150-11280	4	9
129150-11370	4	14
129150-11750	4	13
129150-11810	4	21
129150-13110	6	2
	20	9
129150-14101	7	7
129150-14200	7	1
129150-14400	7	2
129150-23601	8	26
129150-23611	8	28
129150-25301	7	16
129150-35042	9	3
	20	12
129150-35111	9	15
	20	24
129150-35170	9	16
129150-49811	10	22
	20	15
129150-59120	14	1
129150-59131	14	4
129150-77511	5	11
	20	8
129150-91400	19	25
129155-49801	10	21
129155-51280	13	5
129155-61460	13	24
129188-08100	11	49
129188-21590	8	37
129202-22300	8	18
129210-59100	15	10
129210-59230	15	13
129211-77920	19	9
	30	
129240-79300	18	14
129242-55700	15	4 -1
129242-55720	15	8 A-1
129242-55730	15	5 -1
129242-55740	15	8 B
129242-55750	15	8 C
129242-55760	15	8 D

Parts No.	Fig. No.	Ref. No.
129242-55770	15	8 E
129242-77010	17	2
129242-77100	17	4
129242-77110	17	5
129242-77120	17	6
129242-77130	17	7
129242-77140	17	8
129242-77150	17	9
129242-77160	17	10
129242-77170	17	11
129242-77180	17	13
129242-77210	17	16
129242-77260	17	20
129242-77270	17	22
129242-77280	17	23
129247-07000	11	1
129247-42800	11	2
129247-42801	11	2 -1A
129247-42810	11	2 -1
129247-44500	11	3
129247-44800	11	13
129247-44910	11	32
129247-44920	11	33
129247-44930	11	34
129247-44950	11	35
129247-44960	11	14
129247-44970	11	15
129247-44980	11	16
129247-44990	11	36
129247-66120	16	1
129255-61410	13	21
129263-59550	14	19
129350-49530	10	23
129400-92430	20	32
129403-42380	10	39
129410-03990	5	2
129417-33110	9	35
129417-35150	9	23
129418-32320	2	10
129423-77200	18	2
129423-77710	18	17
129430-26070	2	35
129467-44580	11	6
129467-44590	11	8
129486-01670	3	20
129486-35210	3	3
129486-42021	10	14
	20	13
129486-42140	10	16
	20	22

Parts No.	Fig. No.	Ref. No.
129486-59320	14	20
129486-59551	14	24
129508-33010	9	19
129508-33050	9	20
129508-44550	11	5
129508-49030	9	25
129509-51390	12	36
129555-59511	15	15
129601-44560	11	30
129601-44610	11	10
129602-49010	11	37
129612-49040	11	38
129642-49180	9	30
129698-77020	17	3
129698-77190	17	14
129698-77200	17	15
129698-77220	17	17
129698-77230	17	18
129698-77250	17	19
129795-01780	3	19
129795-01800	2	6
129795-01900	18	31
129795-01950	2	16
129795-02412	1	13
129795-11120	4	26
129795-11180	4	27
129795-21661	8	9
129795-49551	10	24
	20	14
129900-07900	4	1
129900-32130	2	9
129916-49740	10	13
129916-59020	12	130
129946-07000	11	53
129972-77341	18	34
158552-51151	7	18
158552-51570	12	51
		52
158552-51580	12	55
158552-51600	12	65
158552-51670	12	4
158552-51780	12	121
158552-52100	12	77
158552-52310	12	79
158552-52400	12	91
158552-52500	12	78
158552-61061	13	97
158552-61441	13	23
158552-61900	13	82
158553-51551	12	48

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Parts No.	Fig. No.	Ref. No.
158553-51630	12	66
158553-51640	12	68
158553-51660	12	70
158553-51670	12	60
158553-51680	12	71
158553-51770	12	95
158553-61050	13	2
158553-61070	13	3
158557-51570	12	53
158563-51281	12	35
	129	
158563-51330	12	44
158600-51270	12	128
158601-51550	12	49
158601-51570	12	54
158601-51650	12	69
158601-51770	12	120
158601-51790	12	122
170004-49160	11	39
170064-67210	16	22
170121-91101	19	6
171008-03990	9	26
171048-67010	16	7
171048-67130	16	16
171048-67140	16	17
171051-01921	1	9
171056-49120	9	18
171080-91101	19	12
171085-67100	16	13
171085-67110	16	14
171085-67120	16	15
171102-66080	16	8
171340-77520	5	12
		22
22117-060000	16	23
22137-100000	16	24
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