

0CV10-M93800EN

PREFACE

- 1.This Parts Catalog carries all parts incorporated in YANMAR Model 3TNV88-KLAN engine manufactured since April, 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.

How to read this Parts Catalog.

1. Parts mentioned in Parts Catalog may not necessarily be standard equipping parts
2. Parts change may be made without prior notice.
3. Form of this Parts Catalog.

Y00F2161 29. FUEL INJECTION PUMP (W/BOOST)

①
↓
REF.

②
↓
LEV.

④

⑥

PARTS No.	DESCRIPTION	QTY	I	R
		(A) (B) (C) (D) (E) (F)		
1 729595-51390	FUEL INJECTION PUMP	1 1 1 1 1		
1-1 1 729595-51391	FUEL INJECTION PUMP	1 1 1 1 1		
⑤ (A=E00185) (B=E00200)				
3 2 26022-060162	SCREW M 6X16	9 9 9 9 9		
I 3-1 2 26022-060162	SCREW M 6X16	4 4 4 4 4		K
(A=E00156) (B=E00156) (C=E00156) (D=E00156) (E=E00156)				
4 2 129470-51040	CAMSHFT	9 9 9 9 9		
5 2 122710-51050	BEARING. ROLLER	9 9 9 9 9		
6 2 129470-51060	RETAINER	9 9 9 9 9		

Remarks

(1) BOOST COMPENSATOR TYPE.
OPTIONAL PART. TO E/#00155
(4JH-DT, 4JH-DTZ)

①Ref. No,

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

(Ex.) illustration No, List heed No,
1 1 (Before change) → 1-1 (After change)

When interchangeable symbol N, and k, illustrations for the new parts are sometimes omitted.

②Lev. (Level)

Indication and Meaning of Level

Level Hereunder is given the relation among the number of number (1,2,3) the level and the nominal parent-child relationship.

1 ---- Parent parts (Assembly parts)

2 ---- Child parts included in " 1 " (Semi-Assembly parts, component parts of Assembly parts.)

3 ---- Child parts included in " 2 ", Grand-child parts in terms of " 1 ".

(Component parts of Semi-Assembly parts.)

Note) A parts of non-sale parts are illustrated but not listed.

③Change Mark

Change Mark " I " is given to the part for which a design change was made at this time.

The design change was not shown in the last published Parts Catalog.

④Interchangeability Mark

In the case where a part change took place, one of the following interchangeability marks is indicated for that part

Symbol	Interchangeability	Contents note
N	Old ← New	New Part is interchangeable for Old Part but not interchangeable conversely.
Q	Old ← New	New Part is not interchangeable for Old Part but interchangeable conversely.
R	Old ← New	New Part is interchangeable for Old Part and vice versa.
S	Old ← New	New Part is not interchangeable for Old Part and vice versa.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable single part but interchangeable by set of the related parts.
K		Changed only in quantity used.

⑤Effective Machine No,

When a part is changed, Effective Machine No, of a Model for which the part is applicable is indication

In each column of (A)-(F).

Product Symbol	Product No,	Product Symbol	Product No,
C	Clutch No, Compressor No,	M	Machine No,
D	Drive No,	T	Tractor No,
E	Engine No,	Note 1)※	Date

Note 1) Date may follow the symbol in some cases.(Ex.) ※1996.01

Note 2) As far as engine models shown by " XXX " are concerned, the modification of the parts could not be Predicted or the engine models themselves could not be identified.

Note 3) (A=E/#00185) means that the design change on the part has been effective for the model at the, column (A) (in the case, for 4JH-DT) on and from E/#(Engine Serial Number) 00185

⑥Remarks Mark

Figures or alphabets (Symbols) are entered in the remark column.

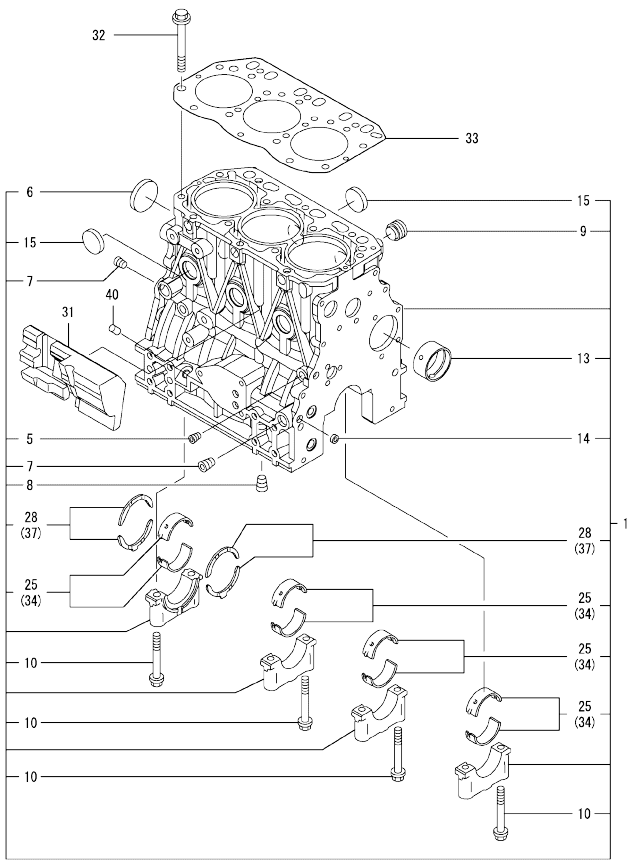
The comments (remarks) on the pertinent parts are indicated in the lower part of the list by the same symbols a those stated above.

Contents

Fig. No.	Fig. Name	Fig. No.	Fig. Name
ENGINE (3TNV88-KLAN)			
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2.	GEAR HOUSING		
3.	MOUNTING FLANGE & 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.	FUEL INJECTION VALVE		
13.	FUEL LINE		
14.	STARTING MOTOR		
15.	GENERATOR		
16.	GASKET SET		

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Fig.1. CYLINDER BLOCK

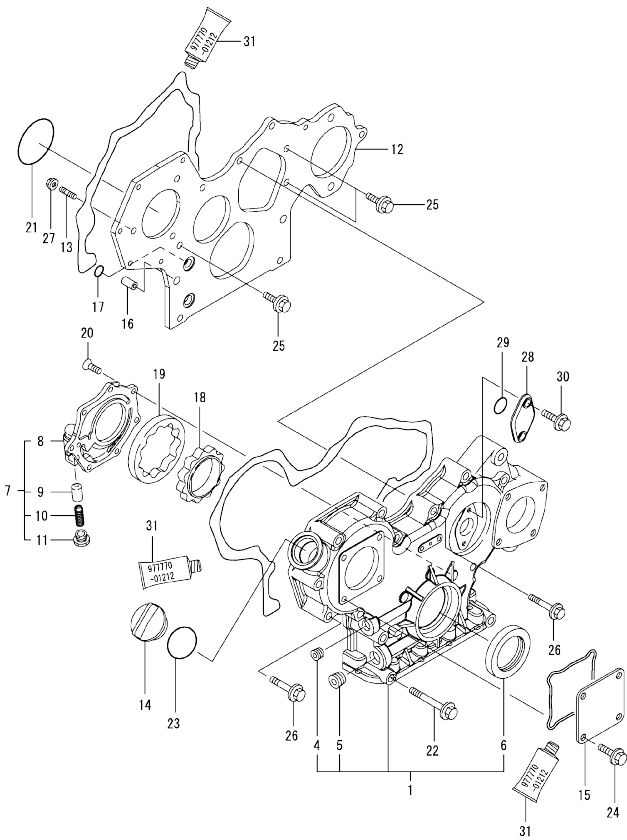


Remarks
(1) UNDER-SIZE(U.S=0.25)PART.
(2) OVER-SIZE(O.S=0.25)PART.
(3) REPAIR PART.

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
40	1	119309-01810	PLUG	1							

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Fig.2. GEAR HOUSING



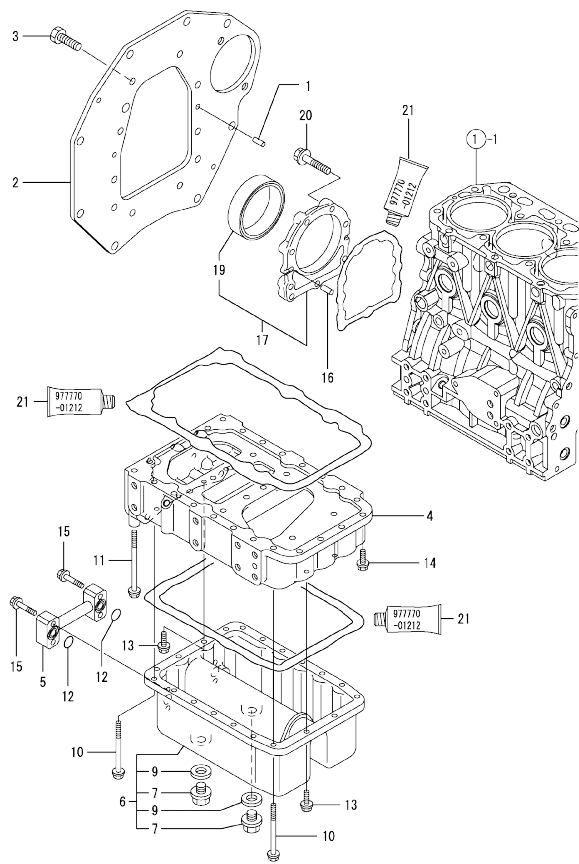
Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	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	119802-01560	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	11							
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 $\frac{YES}{NO}$ 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. MOUNTING FLANGE & OIL SUMP



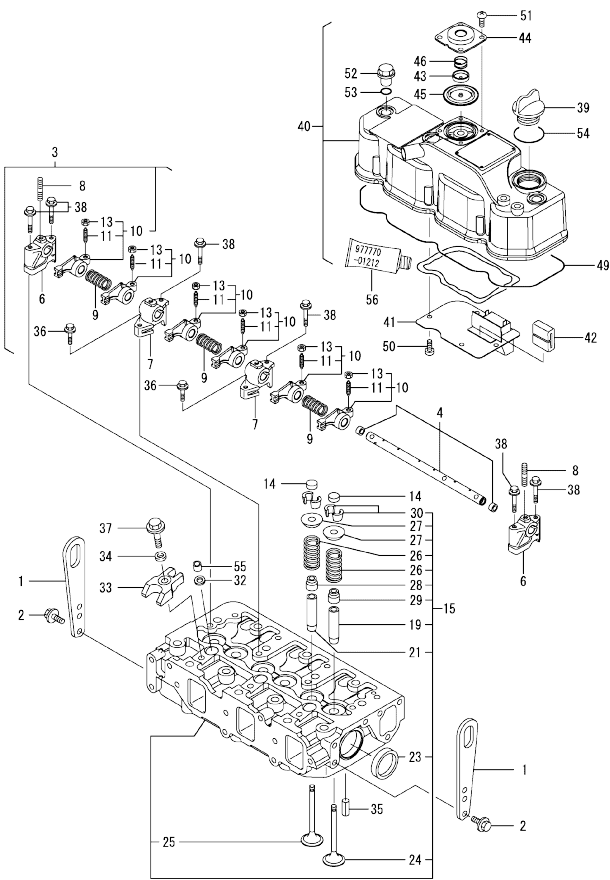
Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2							
2	1	129051-01600	FLANGE, MOUNTING	1							
3	1	26206-100202	BOLT, M10X 20 PLATED	8							
4	1	129051-01700	SPACER, OIL SUMP	1							
5	1	129051-01721	JOINT	1							
6	1	129051-01780	SUMP ASSY, OIL	1							
7	2	105425-01690	PLUG, 16	2							
9	2	22190-160002	WASHER, SEAL 16	2							
10	1	129001-91870	BOLT, M8X100	14							
11	1	129001-91910	BOLT, M8X120	4							
12	1	24311-000180	O-RING, 1AP18.0	2							
13	1	26106-080252	BOLT, M8X 25 PLATED	6							
14	1	26106-080252	BOLT, M8X 25 PLATED	4							
15	1	26106-080402	BOLT, M8X 40 PLATED	4							
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	9							
21	1	977770-01212	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.4. CYLINDER HEAD & BONNET

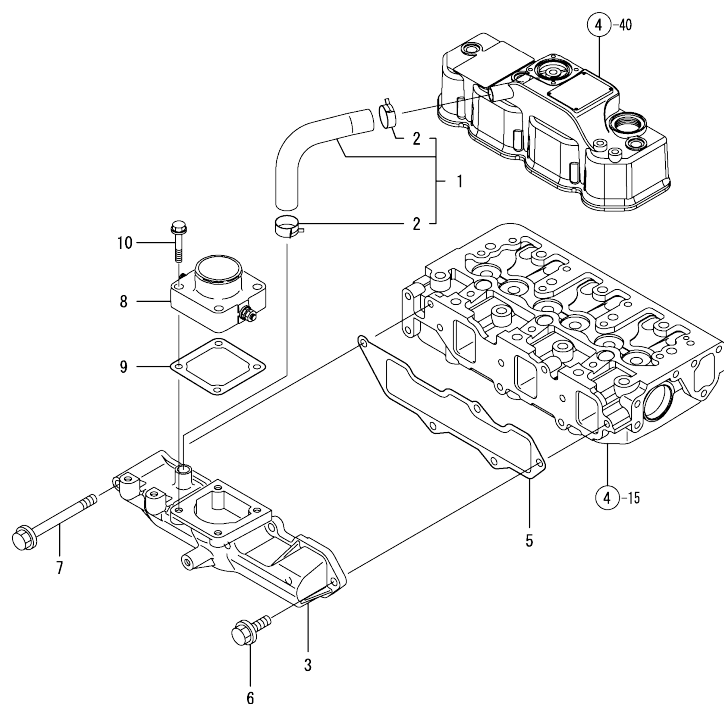


Remarks
(1) REPAIR PART.
(2) OPTIONAL PART.

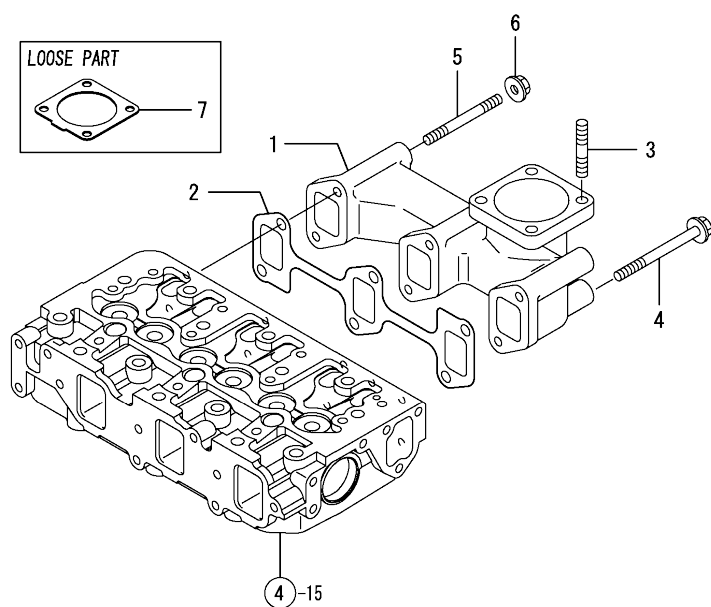
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER	2							
2	1	26106-080142	BOLT, M8X 14 PLATED	4							
3	1	129004-11241	SHAFT ASSY, ROCKER	1							
4	2	129004-11251	SHAFT, ROCKER ARM	1							
6	2	119802-11260	SUPPORT, ROCKER ARM	2							
7	2	119802-11270	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	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	129100-11110	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	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	119802-03120	COVER, DIAPHRAGM	1							
45	2	119802-03130	DIAPHRAGM	1							
46	2	119802-03140	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	977770-01212	GASKET, LIQUID	1							2

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

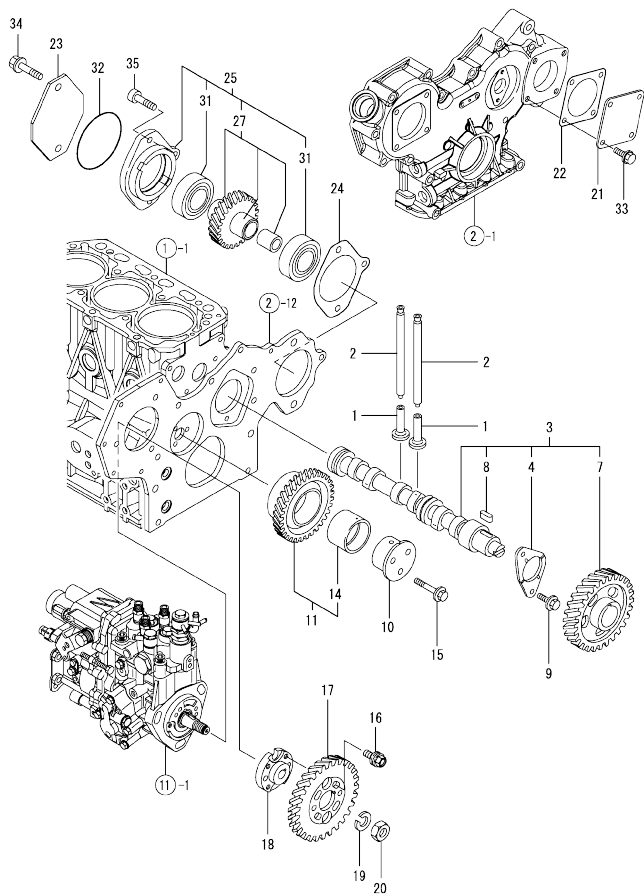


				(A)=3TNV88-KLAN					(D)=			I	R
				(B)=					(E)=				
				(C)=					(F)=				
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	Q'ty			
1	1	129005-03080	PIPE , BREATHER	1									
2	2	129410-03990	CLAMP 24	2									
3	1	129005-12100	MANIFOLD, AIR INTAKE	1									
5	1	129001-12110	GASKET, MANIFOLD	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									

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Fig.7. CAMSHAFT & DRIVING GEAR



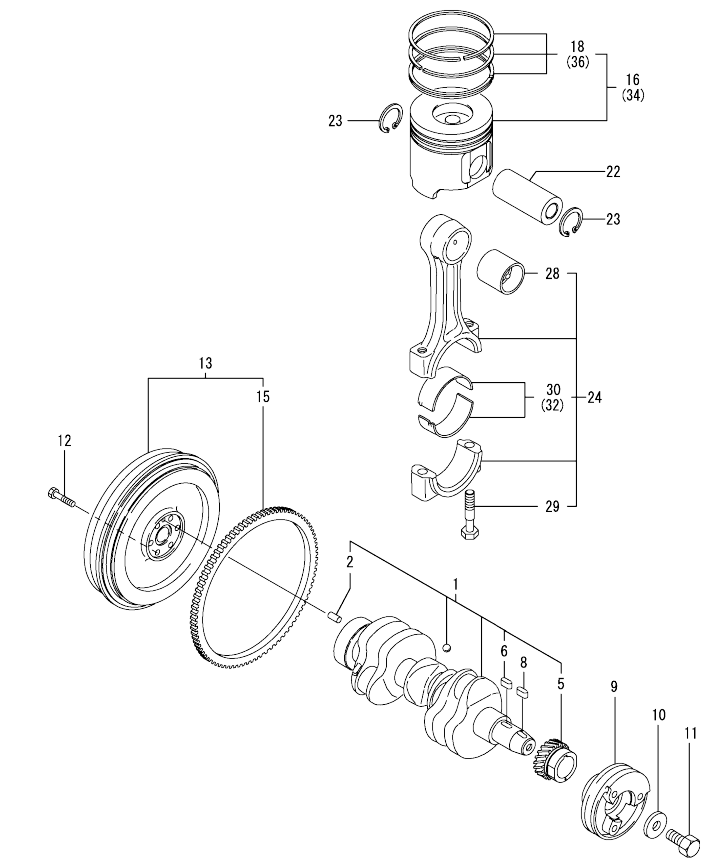
Remarks
(1) REPAIR PART.

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							
21	1	124240-01871	COVER	1							
22	1	124240-01883	GASKET	1							
23	1	121023-26070	COVER	1							
24	1	171353-26081	GASKET	1							
25	1	129051-26200	DRIVE ASSY, PUMP	1							
27	2	129051-26210	GEAR ASSY, PUMP	1							
31	2	24105-060064	BEARING, BALL 6006Z	2							
32	1	24321-000850	O-RING, 1AG85.0	1							
33	1	26106-080162	BOLT, M8X 16 PLATED	4							
34	1	26106-100452	BOLT, M10X 45 PLATED	2							
35	1	26450-080282	BOLT, M8X 28	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.8. CRANKSHAFT & PISTON

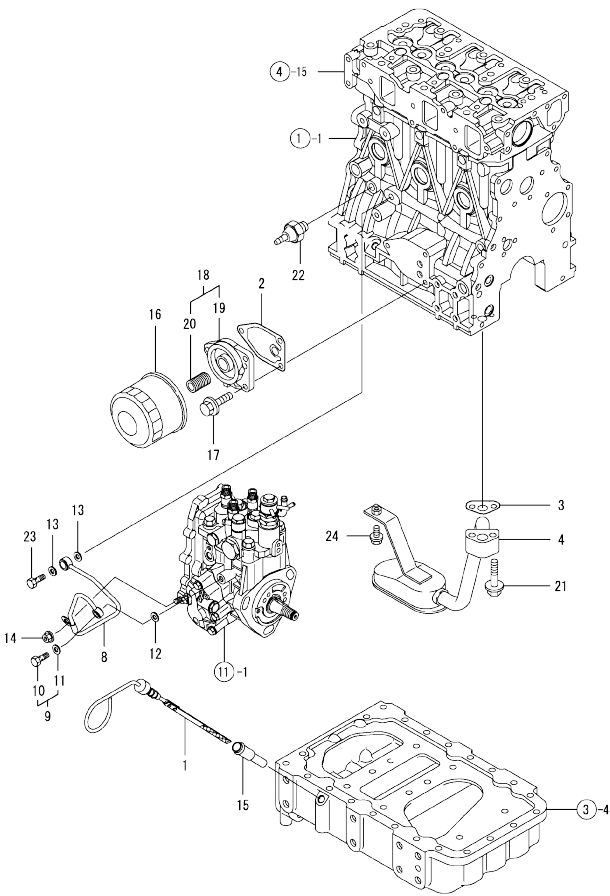


Remarks
(1) REPAIR PART.
(2) UNDER-SIZE(U.S=0.25)PART.
(3) OVER-SIZE(O.S=0.25)PART.

No.	Lev.	Parts No.	Description	(A)=3TNV88-KLAN						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-21001	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
5	2	119802-21201	GEAR, CRANKSHAFT	1							
6	2	22512-070140	KEY, 7X 14	1							
8	1	22512-070140	KEY, 7X 14	1							
9	1	129051-21660	V-PULLEY	1							
10	1	129795-21661	WASHER	1							
11	1	121850-21680	BOLT	1							
12	1	121111-21501	BOLT, FLYWHEEL	6							
13	1	129051-21580	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

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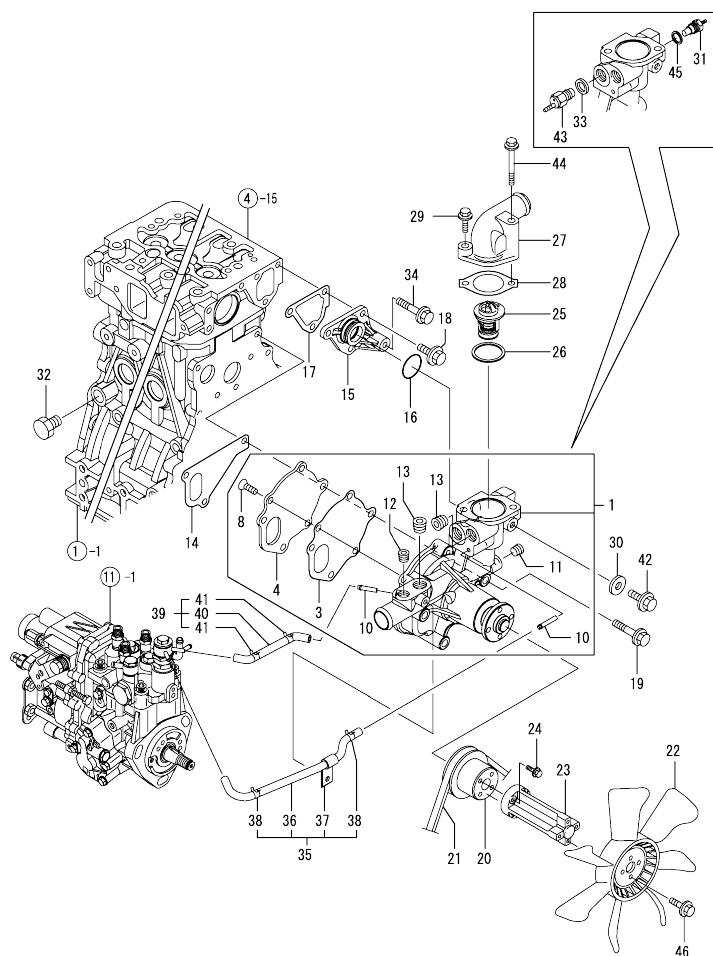
Fig.9. LUB.OIL SYSTEM



Remarks
(1) REPAIR PART.

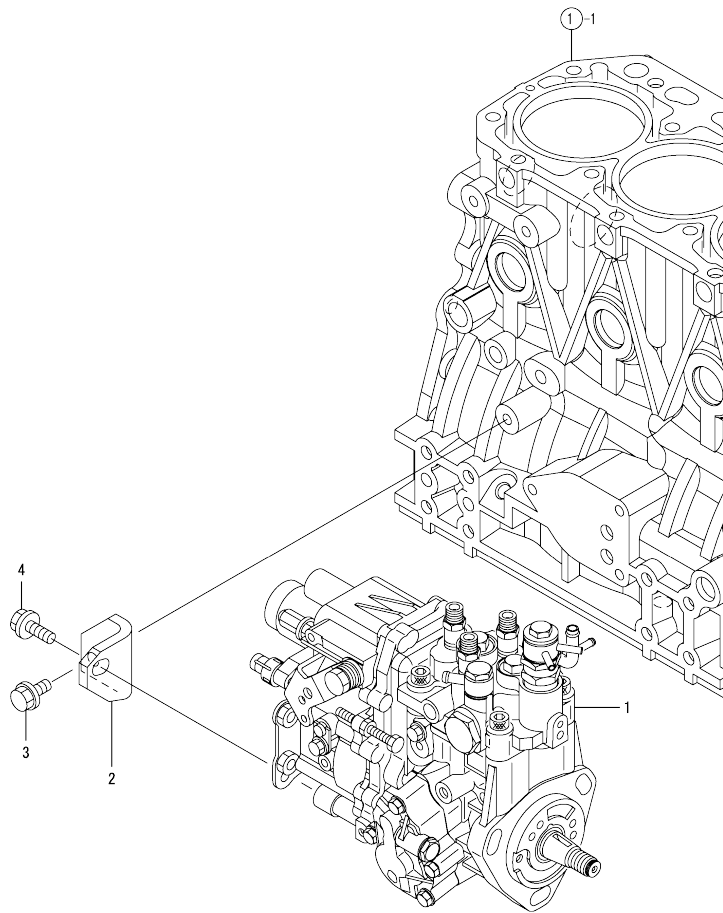
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129457-34800	DIPSTICK, OIL	1							
2	1	129150-35111	GASKET	1							
3	1	129150-35041	GASKET	1							
4	1	129051-35090	PIPE ASSY, OIL INLET	1							
8	1	119802-39450	PIPE ASSY, OIL	1							
9	1	129005-59830	BOLT ASSY, JOINT 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	121520-34810	GUIDE, DIPSTICK	1							
16	1	129150-35153	FILTER 80X80L	1							1
17	1	26106-080202	BOLT, M8X 20 PLATED	3							
18	1	119802-35100	BRACKET ASSY, FILTER	1							
19	2	119802-35110	BRACKET, FILTER	1							
20	2	129100-35140	STUD	1							
21	1	26106-080352	BOLT, M8X 35 PLATED	2							
22	1	114250-39450	SWITCH, 0.5KG	1							
23	1	124160-39140	BOLT, PIPE JOINT M10	1							
24	1	26106-080102	BOLT, M8X 10 PLATED	1							

N:Old $\frac{YBS}{100}$ New, Q:Old $\frac{H0}{100}$ New, R:Old $\frac{YBS}{100}$ New, S:Old $\frac{H0}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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				(A)=3TNV88-KLAN							(D)=	
				(B)=							(E)=	
				(C)=							(F)=	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty	(D)	(E)	(F)	I	R
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	129155-42350	V-PULLEY	1								
21	1	25132-003600	V-BELT, A36	1								
22	1	121267-44741	FAN, COOLING D=360	1								
23	1	129051-44760	SPACER, FAN	1								
24	1	26106-060252	BOLT, M6X 25 PLATED	4								
25	1	129457-49801	THERMOSTAT, 82	1								
26	1	129150-49811	GASKET, THERMOSTAT	1								
27	1	124101-49531	COVER, THERMOSTAT	1								
28	1	129795-49551	GASKET	1								
29	1	26106-080252	BOLT, M8X 25 PLATED	1								
30	1	23414-080000	GASKET, 8X1.0	1								
31	1	124250-49351	SENSOR	1								
32	1	171056-49120	PLUG, DRAIN	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	26106-080652	BOLT, M8X 65 PLATED	1								
45	1	129150-49360	GASKET	1								
46	1	26106-060122	BOLT, M6X 12 PLATED	4								

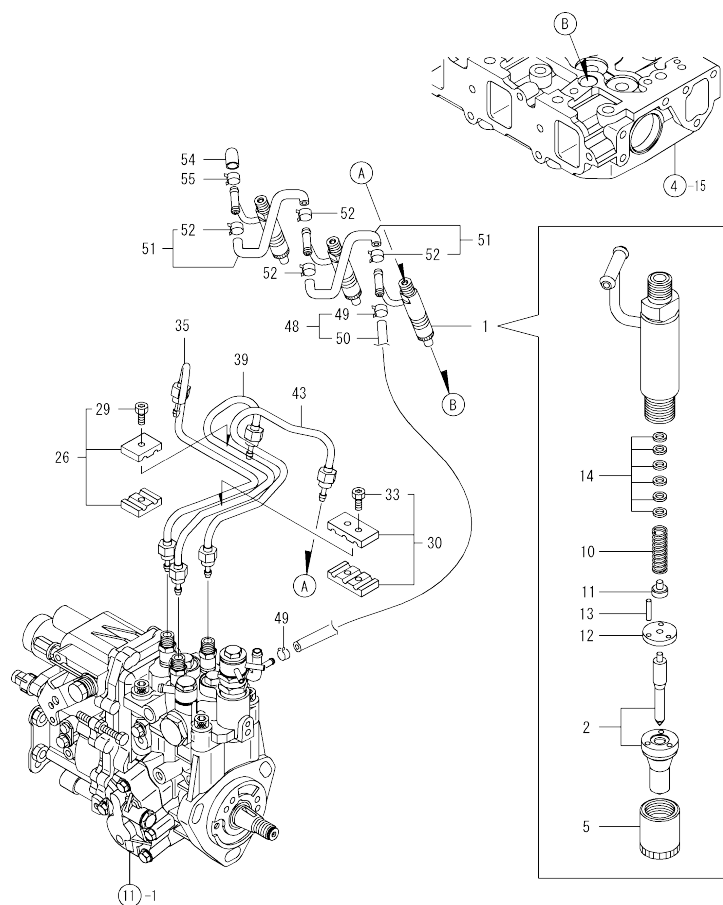
N:Old $\xrightarrow{\text{Yes}} \text{New}$, Q:Old $\xrightarrow{\text{No}} \text{New}$, R:Old $\xrightarrow{\text{Yes}} \text{New}$, S:Old $\xrightarrow{\text{No}} \text{New}$, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change



				(A)=3TNV88-KLAN (B)= (C)=	(D)= (E)= (F)=							
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R	
1	1	729267-51310	PUMP ASSY, INJECTION	1								
2	1	119802-51250	RETAINER, PUMP	1								
3	1	26106-080162	BOLT, M8X 16 PLATED	1								
4	1	26106-080202	BOLT, M8X 20 PLATED	1								

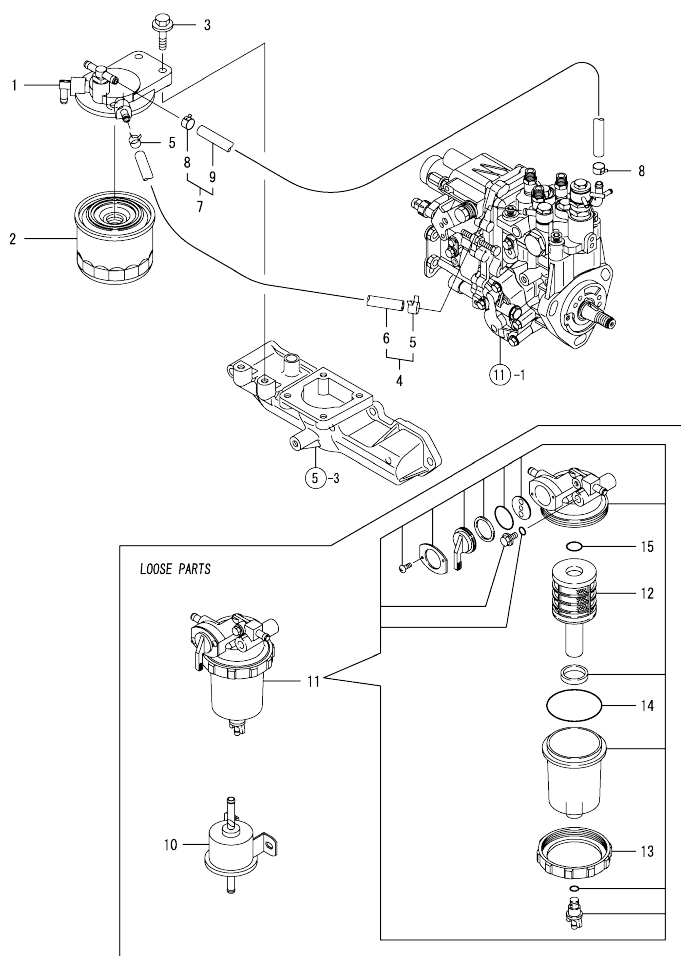
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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				(A)=3TNV88-KLAN							(D)=			
				(B)=							(E)=			
				(C)=							(F)=			
No.	Lev.	Parts No.	Description	Q'ty									I	R
				(A)	(B)	(C)	(D)	(E)	(F)					
1	1	729005-53101	VALVE ASSY,INJECTION	3										
2	2	129005-53001	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.13. FUEL LINE

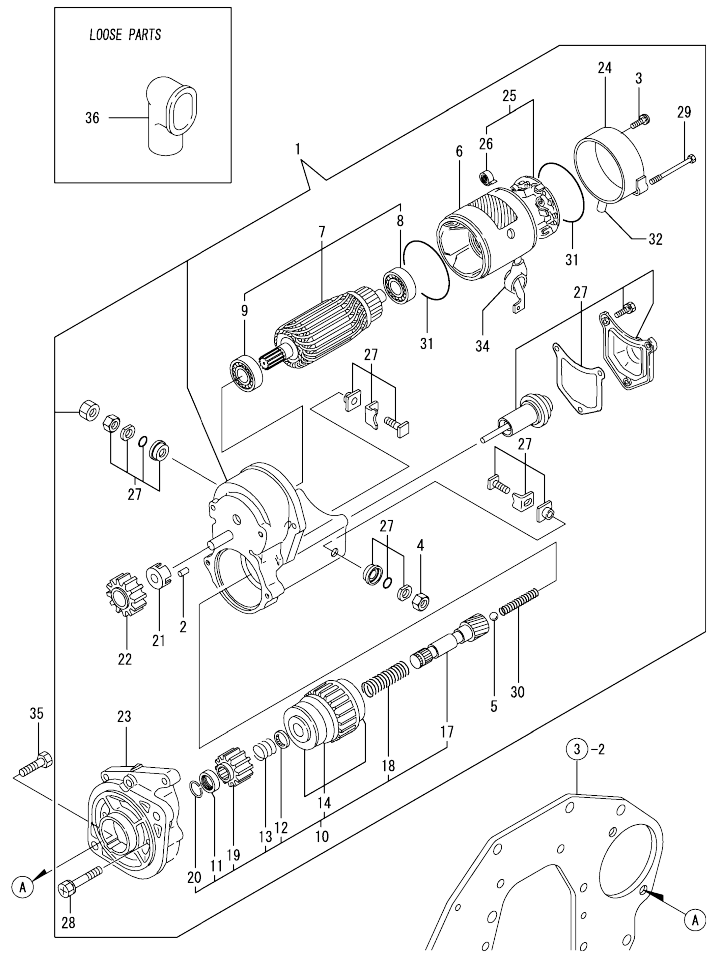


				(A)=3TNV88-KLAN	(D)=						I	R
				(B)=	(E)=							
				(C)=	(F)=							
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	Q'ty		
1	1	129004-55610	BRACKET, FILTER	1								
2	1	119802-55800	FILTER, FUEL	1								
3	1	26106-080302	BOLT, M&X 30 PLATED	2								
4	1	129210-59100	PIPE ASSY, FUEL	1								
5	2	124766-59050	CLIP, HOSE 12	2								
6	2	105025-59580	PIPE, FUEL	1								
7	1	129210-59230	PIPE ASSY, FUEL	1								
8	2	124766-59050	CLIP, HOSE 12	2								
9	2	129555-59511	PIPE, FUEL	1								
10	1	119225-52102	PUMP ASSY, FUEL FEED	1								
11	1	119802-55700	SEPARATOR ASSY	1								
12	2	119802-55710	ELEMENT	1								
13	2	129100-55690	RING, RETAINING	1								
14	2	24321-000650	O-RING, 1AG65.0	1								
15	2	24311-000160	O-RING, 1AP16.0	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

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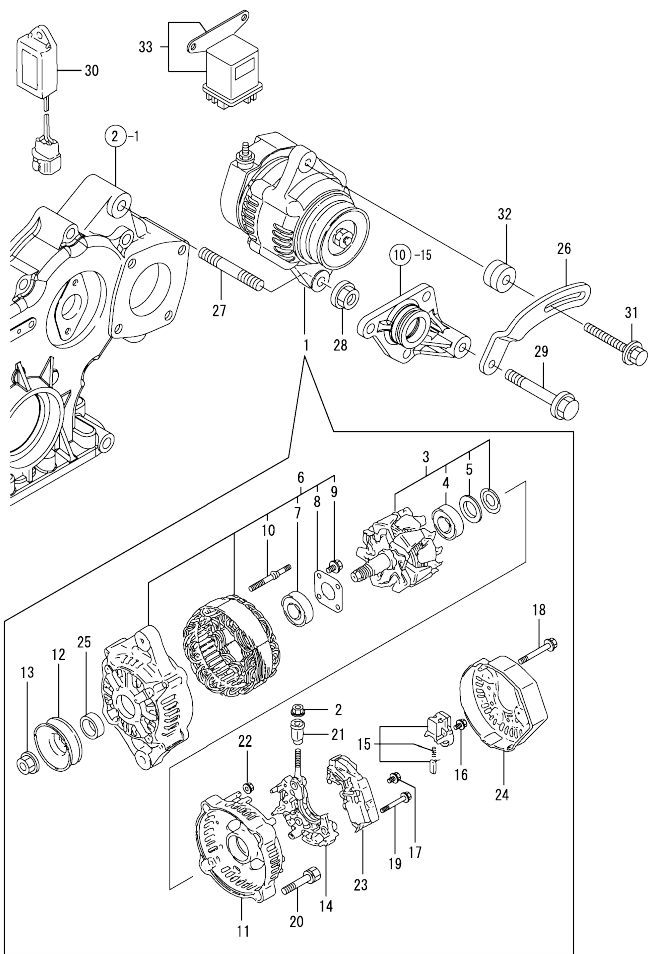
Fig.14. STARTING MOTOR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129129-77010	STARTER ASSY	1							1
2	2	X0283060061	ROLLER	5							
3	2	129129-77460	SCREW	2							
4	2	X9490561370	NUT	1							
5	2	X9491200240	BALL	1							
6	2	129129-77210	YOKE ASSY	1							
7	2	129129-77220	ARMATURE ASSY	1							
8	3	129129-77230	BEARING	1							
9	3	129129-77240	BEARING	1							
10	2	129129-77250	STARTER	1							
11	3	X0280210230	NUT	1							
12	3	X0283270140	RETAINER	1							
13	3	X9491703371	SPRING, COIL	1							
14	3	129129-77390	CLUTCH ASSY, STARTER	1							
17	3	129129-77400	SHAFT	1							
18	3	129129-77410	SPRING, COIL	1							
19	3	129129-77420	PINION	1							
20	3	129129-77430	RING	1							
21	2	129129-77260	RETAINER	1							
22	2	129129-77270	PINION	1							
23	2	129129-77280	HOUSING	1							
24	2	129129-77290	FRAME	1							
25	2	129129-77300	HOLDER ASSY	1							
26	3	X9491730461	SPRING	4							
27	2	129129-77310	SWITCH ASSY	1							
28	2	129129-77320	BOLT	2							
29	2	129129-77330	BOLT	2							
30	2	129129-77340	SPRING	1							
31	2	129129-77350	O-RING	2							
32	2	129129-77362	COVER	1							
34	2	129129-77380	CAP	1							
35	1	26116-120202	BOLT, M12X 20 PLATED	1							
36	1	124550-77030	COVER, TERMINAL	1							

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Fig.15. GENERATOR

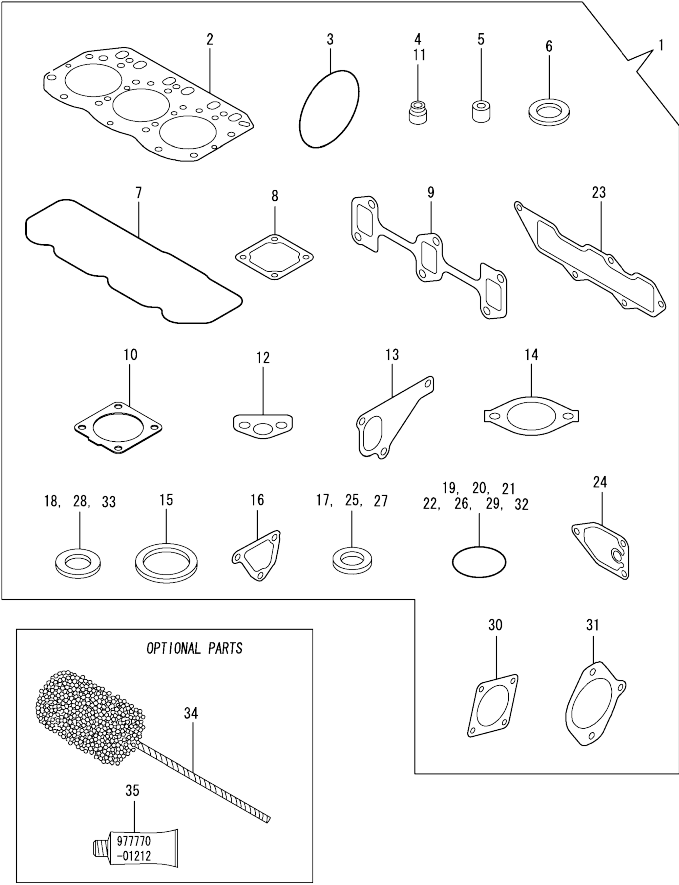


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119626-77210	ALTERNATOR, 12V-55A	1							
2	2	X9490561001	NUT	1							
3	2	129052-77380	ROTOR ASSY	1							
4	3	125301-79240	BALL BEARING	1							
5	3	119620-79250	COVER, BEARING	1							
6	2	129052-77422	FRAME ASSY	1							
7	3	119620-79200	BALL BEARING	1							
8	3	119620-79210	PLATE	1							
9	3	119620-79220	SCREW	4							
10	3	119620-79230	BOLT, STUD	2							
11	2	128401-77440	FRAME	1							
12	2	119620-77461	PULLEY	1							
13	2	119620-77471	NUT	1							
14	2	129052-79260	HOLDER	1							
15	2	129052-79270	HOLDER, BRUSH	1							
16	2	119620-79290	SCREW	6							
17	2	119620-79300	SCREW	1							
18	2	119620-79310	BOLT	3							
19	2	119620-79320	SCREW W/WASHER	2							
20	2	119620-79330	BOLT	2							
21	2	119620-79340	INSULATION BUSH	1							
22	2	119620-79350	NUT	2							
23	2	119626-77710	REGULATOR ASSY	1							
24	2	119626-77450	COVER, END, RR	1							
25	2	119620-77490	COLLAR	1							
26	1	129051-77330	ADJUSTER	1							
27	1	129795-01900	STUD	1							
28	1	26306-100002	NUT, M10	1							
29	1	26106-080502	BOLT, M8X 50 PLATED	1							
30	1	129211-77920	TIMER	1							
31	1	26014-080502	BOLT, M8X 50	1							
32	1	129657-77340	SPACER	1							
33	1	119650-77910	RELAY ASSY, GLOW	1							

N:Old $\frac{NHS}{10}$ New, Q:Old $\frac{HQ}{10}$ New, R:Old $\frac{RHS}{10}$ New, S:Old $\frac{HS}{10}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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OCV10-M93800

Fig.16. GASKET SET



Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729001-92760	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	129150-35041	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	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	22190-160002	WASHER, SEAL 16	2							
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	24311-000180	O-RING, 1AP18.0	2							
30	2	124240-01883	GASKET	1							
31	2	171353-26081	GASKET	1							
32	2	24321-000850	O-RING, 1AG85.0	1							
33	2	129150-49360	GASKET	1							
34	1	129400-92430	HONE	1							1
35	1	977770-01212	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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114250-53130	12	11
114250-53140	12	12
114250-53210	12	13
114250-53400	12	14
119131-18320	6	3
119225-52102	13	10
119305-59120	12	26
119309-01810	1	40
119593-59580	12	54
119609-32040	2	17
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119620-77461	15	12
119620-77471	15	13
119620-77490	15	25
119620-79200	15	7
119620-79210	15	8
119620-79220	15	9
119620-79230	15	10
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119620-79290	15	16
119620-79300	15	17
119620-79310	15	18
119620-79320	15	19
119620-79330	15	20
119620-79340	15	21
119620-79350	15	22
119625-11880	4	32
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119626-77210	15	1
119626-77450	15	24
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119802-11270	4	7
119802-11280	4	8
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121520-34810	9	15
121550-23200	8	29
121850-21680	8	11
121850-42410	10	8
121850-51960	2	21
	16	3
123900-13610	6	5
123900-13630	6	4
124060-01050	1	5
124060-77680	12	55
124101-49531	10	27
124160-01751	2	14
	4	39
124160-01910	1	7
		8
124160-11360	4	52
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	12	49
		52
124766-59050	13	5
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129001-01250	1	6
129001-01340	1	33
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129001-02930	1	25
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129001-32330	2	11
129001-91841	2	22
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129001-91910	3	11
129004-01190	1	31
129004-03010	4	41
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129004-11251	4	4
129004-11310	4	49
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129004-11350	4	40
129004-11650	4	10
129004-11900	4	33
129004-13200	6	7
	16	10
129004-21001	8	1
129004-42001	10	1
129004-42040	10	15
129004-49610	10	35
129004-49620	10	39
129004-49711	10	36
129004-49721	10	40
129004-55610	13	1
129004-59810	12	35
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129005-53001	12	2
129005-59830	9	9
129051-01600	3	2
129051-01700	3	4
129051-01721	3	5
129051-01780	3	6
129051-21580	8	13
129051-21660	8	9
129051-26200	7	25
129051-26210	7	27
129051-35090	9	4
129051-44760	10	23
129051-77330	15	26
129052-77380	15	3
129052-77422	15	6
129052-79260	15	14
129052-79270	15	15
129100-01580	3	1
		16
	8	2
129100-01640	3	17
129100-11110	4	25
129100-23910	8	28
129100-35140	9	20
129100-42051	10	3
129100-42121	10	4
129100-55690	13	13
129120-77501	5	8
129129-14580	7	3
129129-77010	14	1
129129-77210	14	6
129129-77220	14	7
129129-77230	14	8
129129-77240	14	9
129129-77250	14	10
129129-77260	14	21
129129-77270	14	22
129129-77280	14	23
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129129-77420	14	19
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129129-77460	14	3
129150-01200	1	32
129150-02020	1	10
129150-02450	7	4
129150-02870	1	34
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129150-11230	4	11
129150-11280	4	9
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129150-35111	9	2
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129150-35153	9	16
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	16	22
129486-59551	12	51
129555-59511	13	9
129657-77340	15	32
129795-01780	3	19
129795-01800	2	6
129795-01900	15	27
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
158552-51151	7	18
171051-01921	1	9
171056-49120	10	32
171350-13100	6	1
171353-26081	7	24
	16	31
22190-080002	9	11
		12
	16	17
22190-100002	9	13
	16	27
22190-160002	3	9
	16	25
22217-140000	7	19
22252-000260	8	23
22351-060012	4	35
22512-070140	7	8
	8	6
		8
22857-500100	4	50
		51
23414-080000	10	30
	16	28
23857-030000	9	10
23875-020000	10	12
23876-010000	10	11

Parts No.	Fig. No.	Ref. No.
23876-030000	2	4
23876-040000	2	5
24105-060064	7	31
24311-000120	4	53
	16	19
24311-000160	13	15
24311-000180	3	12
	16	29
24311-000320	2	23
	4	54
	16	20
24321-000650	13	14
24321-000850	7	32
	16	32
24341-000240	2	29
	16	21
25132-003600	10	21
26014-080502	15	31
26106-060122	10	46
26106-060162	2	30
26106-060252	10	24
26106-080102	9	24
26106-080122	10	42
26106-080142	4	2
	7	9
26106-080162	2	24
		25
	7	33
	10	18
	11	3
26106-080202	5	6
	9	17
	11	4
26106-080252	3	13
		14
	4	36
	10	29
26106-080302	13	3
26106-080352	4	37
	5	10
	9	21
26106-080402	3	15
	7	15
26106-080452	10	34
26106-080502	4	38
	15	29
26106-080552	2	26
26106-080602	10	19
26106-080652	10	44
26106-080802	5	7

Parts No.	Fig. No.	Ref. No.
26106-100452	7	34
26116-120202	14	35
26206-100202	3	3
26306-080002	2	27
	6	6
26306-100002	15	28
26366-060002	9	14
26450-080282	7	35
26776-140002	7	20
27241-120000	1	14
27241-300000	1	15
27241-400000	4	23
27310-080001	4	30
729001-92760	16	1
729005-01500	2	1
729005-01560	1	1
729005-53101	12	1
729267-51310	11	1
729402-23100	8	24
977770-01212	2	31
	3	21
	4	56
	16	35
X0280210230	14	11
X0283060061	14	2
X0283270140	14	12
X9490561001	15	2
X9490561370	14	4
X9491200240	14	5
X9491703371	14	13
X9491730461	14	26