



PARTS CATALOG

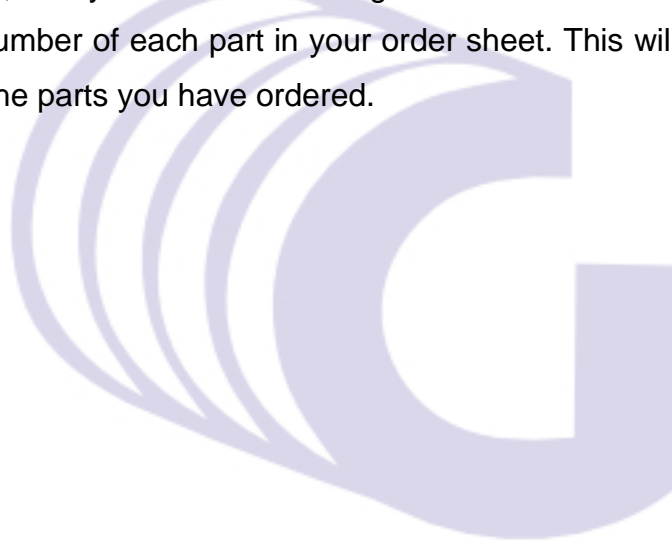


PREFACE

1.This Parts Catalog carries all parts incorporated in YANMAR Model 4TNV88-XAT engine manufactured since June, 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.

- The parts stipulated in this Parts Catalog are not necessarily standard equipped parts.
- Parts may change without prior notice.
- 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	1	N	1
		(A=E00185) (B=E00200)									
3	2	26022-060162	SCREW M 6X 16	9	9	9	9	9	9		
3-1	2	26022-060162	SCREW M 6X 16	4	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	1		
5	2	122710-51050	BEARING, ROLLER	2	2	2	2	2	2		
6	2	129470-51060	RETAINER	1	1	1	1	1	1		

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

① Ref. No.

The Ref. No. listed may not be in accordance with the illustration Ref. No.
 (Ex.) Illustration No. 1 List Ref No. 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 $\xrightarrow{\text{No}}$ New	New Part is interchangeable for Old Part but Old Part is not interchangeable for New Part.
Q	Old $\xrightarrow{\text{No}}$ New $\xrightarrow{\text{Yes}}$ New	New Part is not interchangeable for Old Part but Old Part is interchangeable for New Part.
R	Old $\xrightarrow{\text{Yes}}$ New $\xrightarrow{\text{Yes}}$ New	New/ Old Parts are both interchangeable.
S	Old $\xrightarrow{\text{No}}$ New $\xrightarrow{\text{No}}$ New	New/ Old Parts are both not interchangeable.
W		Part discontinued.
Z		Part newly added.
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)	Date

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

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

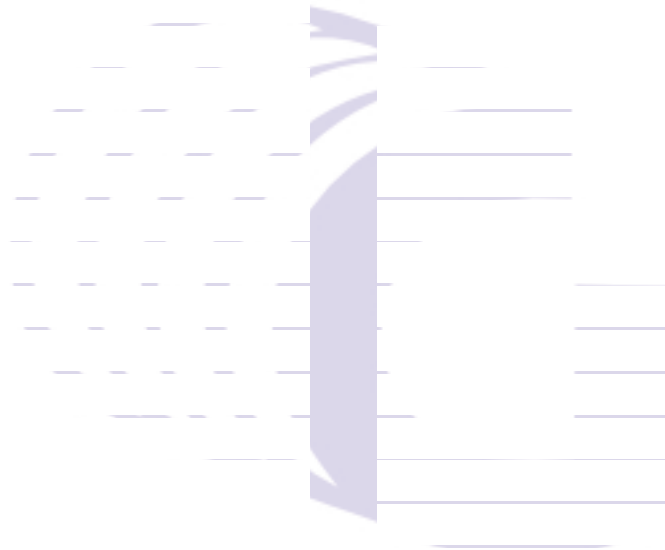
Note 3) (A=E00185) is the E (Engine Serial Number) for the column (A) model (in this case 4JH-DT) after the parts design change.

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.

Fig.No.	GROUP NAME
	ENGINE 4TNV88-XAT
1.	CYLINDER BLOCK
2.	GEAR HOUSING
3.	OIL SUMP
4.	CYLINDER HEAD & BONNET
5.	SUCTION MANIFOLD
6.	EXHAUST MANIFOLD
7.	CAMSHAFT & DRIVING GEAR
8.	CRANKSHAFT & PISTON
9.	BALANCER
10.	LUB.OIL SYSTEM
11.	COOLING WATER SYSTEM
12.	FUEL INJECTION PUMP
13.	GOVERNOR
14.	FUEL INJECTION VALVE
15.	STARTING MOTOR
16.	GASKET SET

Fig.No.	GROUP NAME
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(A)=4TNV88-XAT

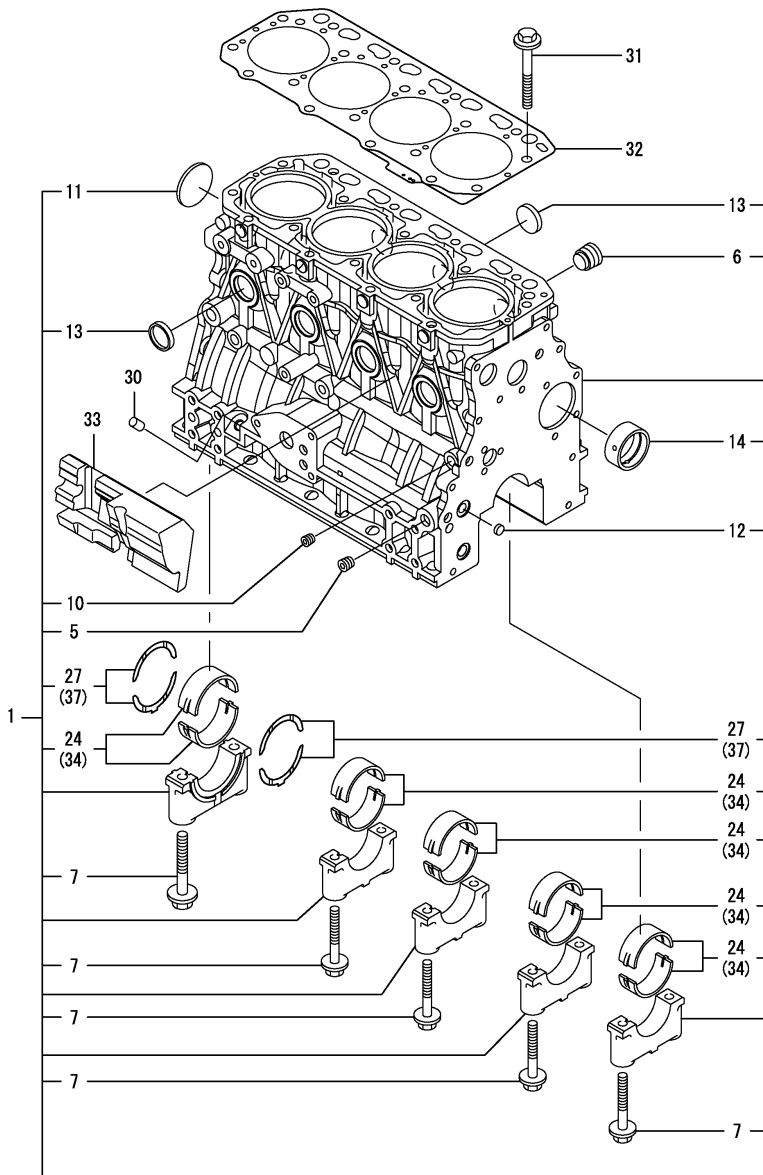
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REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729659-01570	BLOCK ASSY, CYLINDER	1							
5	2	124160-01910	PLUG PT1/4	2							
6	2	171051-01921	PLUG	1							
7	2	129150-02020	BOLT, METAL CAP	10							
10	2	124060-01050	PLUG PT1/8	1							
11	2	129001-01250	PLUG 50	1							
12	2	27241-120000	PLUG 12	2							
13	2	27241-300000	PLUG 30	8							
14	2	129795-02411	BUSH, CAMSHAFT	1							
24	2	129001-02930	MAIN BEARING SET	5							3
27	2	129150-02930	METAL, THRUST	2							
30	1	119309-01810	PLUG	1							
31	1	129150-01200	STUD, CYL. HEAD	18							
32	1	129407-01340	GASKET,CYL.HEAD	1							
33	1	129004-01190	SPACER	1							
34	1	129150-02870	MAIN METAL US=0.25	5							1
37	1	129150-02940	METAL,THRUST.25(4PIE	1							2

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

(A)=4TNV88-XAT

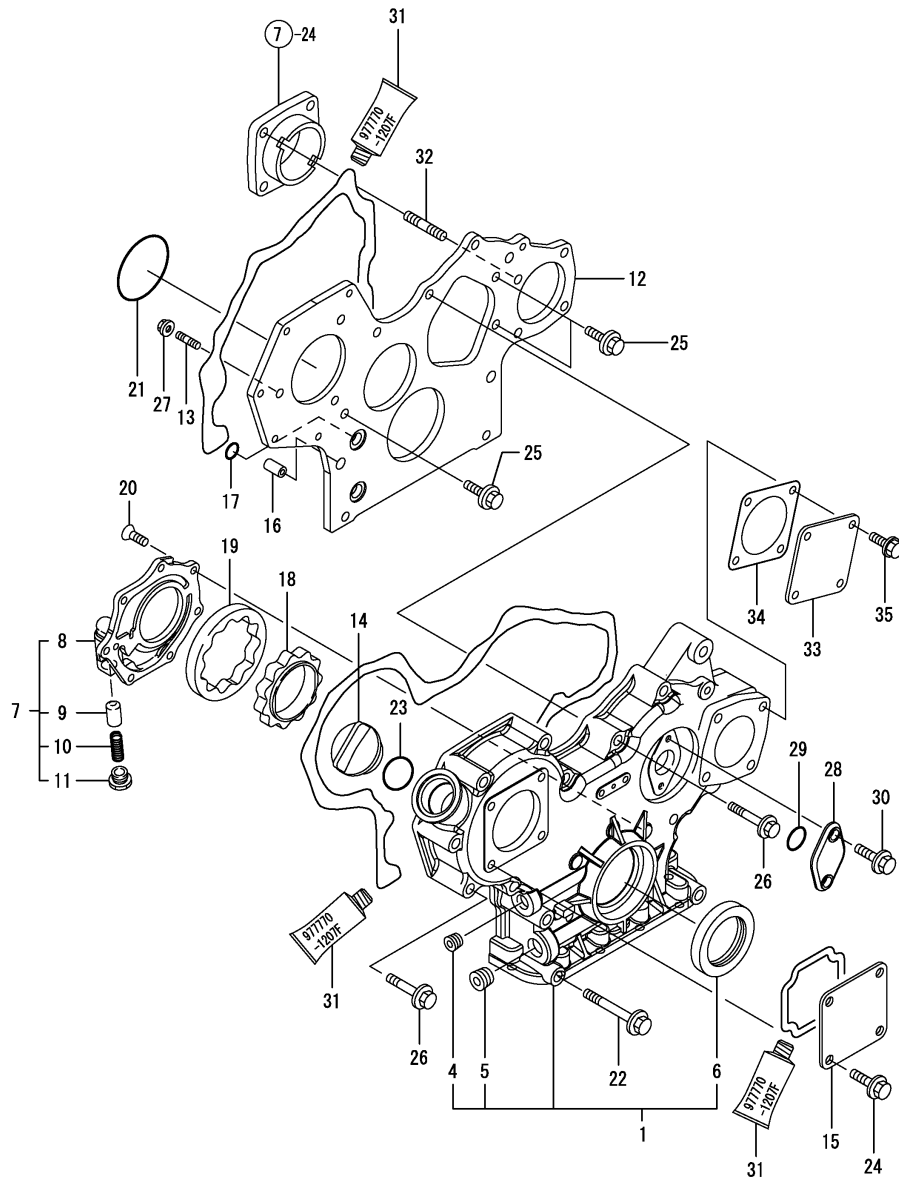
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REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729004-01500	HOUSING ASSY, GEAR	1							
4	2	23876-030000	PLUG PT3/8,SCREW	1							
5	2	23876-040000	PLUG PT 1/2	1							
6	2	129795-01800	SEAL, OIL	1							
7	1	119802-32100	COVER ASSY, PUMP	1							
8	2	119802-32070	COVER, LUB.OIL PUMP	1							
9	2	129900-32130	VALVE, RELIEF	1							
10	2	129418-32320	SPRING	1							
11	2	129001-32330	PLUG	1							
12	1	129004-01520	FRANGE, GEAR CASE	1							
13	1	119802-01560	STUD, M8X25	3							
14	1	124160-01751	COVER,FILLER	1							
15	1	124240-01871	COVER, HO-P	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, F.I.PUMP	1							
22	1	129001-91841	BOLT M 8X 85 PLATED	3							
23	1	24311-000320	O-RING 1A P-32.0	1							
24	1	26106-080162	BOLT M 8X 16 PLATED	4							
25	1	26106-080162	BOLT M 8X 16 PLATED	3							
26	1	26106-080552	BOLT M 8X 55 PLATED	11							
27	1	26306-080002	NUT	3							
28	1	121023-01550	COVER, BLIND	1							
29	1	24341-000240	O-RING 1A S-24.0	1							
30	1	26106-060162	BOLT M 6X 16 PLATED	2							
31	1	977770-1207F	GASKET.LIQUID	1							1
32	1	129150-01580	STUD 8 X 30	1							
33	1	124240-01871	COVER, HO-P	1							
34	1	124240-01883	GASKET, (NON-ASB.)	1							
35	1	26106-080122	BOLT M 8X 12 PLATED	4							

Remarks
(1) OPTIONAL PART.

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

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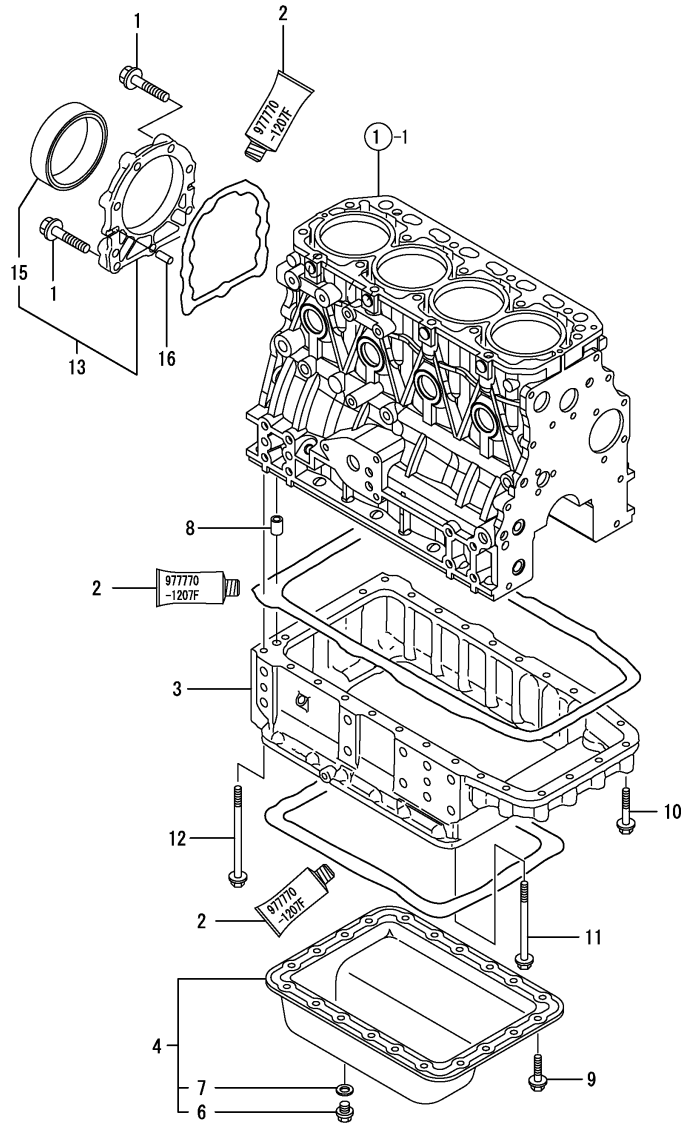
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REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129486-01670	BOLT M8X30,COLLAR HD	9							
2	1	977770-1207F	GASKET.LIQUID	1							1
3	1	129550-01702	SUMP, OIL	1							
4	1	729429-01721	COVER ASSY, OIL PAN	1							
6	2	105425-01690	PLUG M16	1							
7	2	22190-160002	SEAL WASHER 16S	1							
8	1	129555-01750	PIPE, KNOCK	1							
9	1	26106-080122	BOLT M 8X 12 PLATED	20							
10	1	26106-080502	BOLT M 8X 50 PLATED	8							
11	1	129001-91870	BOLT M 8X100	14							
12	1	129001-91910	BOLT M 8X120	4							
13	1	129100-01640	CASE ASSY, OIL SEAL	1							
15	2	129795-01780	SEAL, OIL	1							
16	1	129100-01580	PARALLEL PIN 8X16	2							

Remarks
(1) OPTIONAL PART.

(A)=4TNV88-XAT

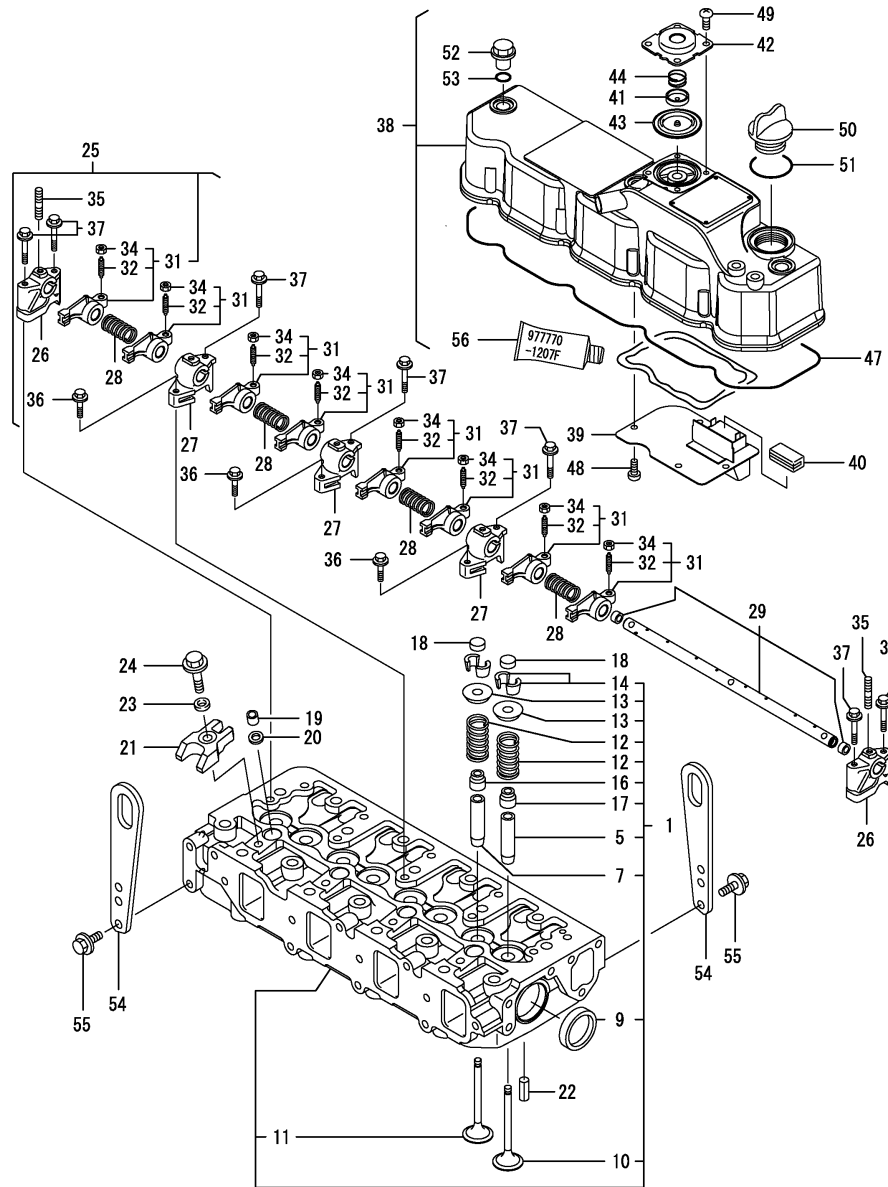
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REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129601-11700	HED ASSY, CYLINDER	1							
5	2	120130-11860	GUIDE, VALVE	4							1
7	2	129150-11810	GUIDE, VALVE	4							1
9	2	27241-400000	PLUG 40	2							
10	2	129004-11101	VALVE, INTAKE 129004.11130	4							
11	2	129100-11111	VALVE, EXHAUST	4							
12	2	129795-11120	SPRING, VALVE	8							
13	2	129795-11180	RETAINER, SPRING	8							
14	2	27310-080001	COTTER 8	8							
16	2	121400-11340	SEAL, VALVE STEM	4							
17	2	124460-11340	SEAL, VALVE STEM	4							
18	1	129150-11370	CAP, VALVE	8							
19	1	119802-11870	PROTECTOR, NOZZLE	4							
20	1	119625-11880	SEAT, NOZZLE	4							
21	1	129004-11900	RETAINER, NOZZLE	4							
22	1	22351-060012	SPRING PIN 6X12	2							
23	1	120270-54410	WASHER	4							
24	1	26106-080352	BOLT M 8X 35 PLATED	4							
25	1	129601-11241	SHAFT ASSY, ROCKER	1							
26	2	119802-11260	SUPPORT, ROCKER ARM	2							
27	2	119802-11270	SUPPORT, ROCKER ARM	3							
28	2	129150-11280	SPRING	4							
29	2	129601-11251	SHAFT	1							
31	2	129004-11650	ARM ASSY, ROCKER	8							
32	3	129150-11230	SCREW, VALVE	8							
34	3	129150-11750	NUT M8XP1.0	8							
35	2	26226-080182	STUD M 8X 18 PLATED	3							
36	1	26106-080252	BOLT M 8X 25 PLATED	3							
37	1	26106-080502	BOLT M 8X 50 PLATED	7							
38	1	129601-11350	BONNET ASSY	1							
39	2	129004-03010	PLATE, BAFFLE	1							
40	2	129150-03070	BAFFLE, BREATHER	1							
41	2	119802-03110	PLATE, DIAPHRAGM	1							
42	2	119802-03121	COVER, DIAPHRAGM	1							
43	2	119802-03130	DIAPHRAGM	1							
44	2	119802-03141	SPRING, DIAPHRAGM	1							
47	2	129601-11310	GASKET,COVER	1							
48	2	22857-500100	SCREW 5X10,TAPPING	4							
49	2	22857-500100	SCREW 5X10,TAPPING	4							
50	1	124160-01751	COVER,FILLER	1							
51	1	24311-000320	O-RING 1A P-32.0	1							
52	1	124160-11360	KNOB	3							
53	1	24311-000120	O-RING 1A P 12.0	3							
54	1	129900-07900	LIFTER, ENGINE	2							
55	1	26106-080162	BOLT M 8X 16 PLATED	4							
56	1	977770-1207F	GASKET.LIQUID	1							2

Remarks

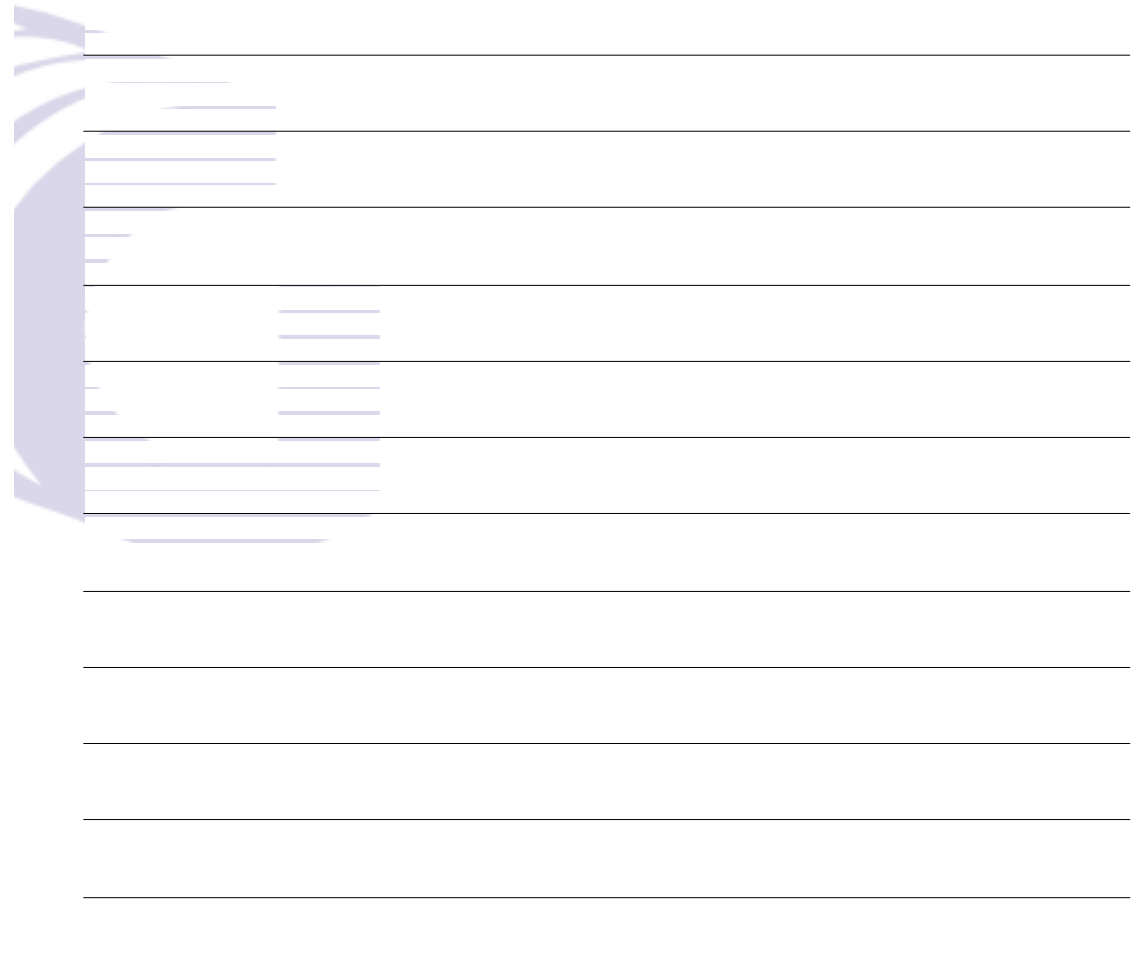
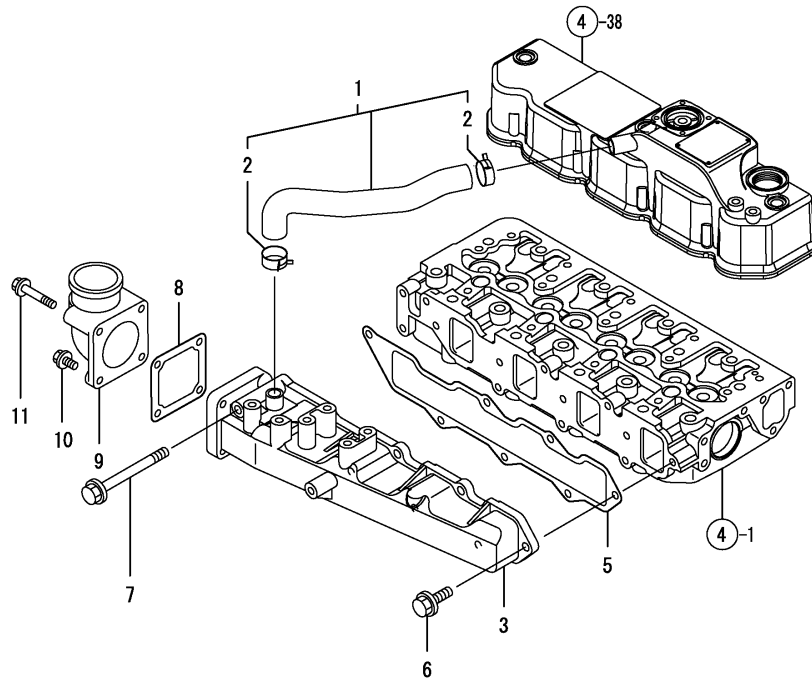
- (1) REPAIR PART.
- (2) OPTIONAL PART.

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

(A)=4TNV88-XAT
(B)=
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REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129601-03080	PIPE,BREATHER	1							
2	2	129410-03990	CLAMP 22	2							
3	1	129601-12100	MANIFOLD,INT	1							
5	1	129407-12110	GASKET,INT.MANOFOLD	1							
6	1	26106-080202	BOLT M 8X 20 PLATED	6							
7	1	26106-080802	BOLT M 8X 80 PLATED	1							
8	1	129150-77511	GASKET, (NON-ASB.)	1							
9	1	171340-77520	BEND	1							
10	1	26106-080252	BOLT M 8X 25 PLATED	2							
11	1	26106-080652	BOLT M 8X 65 PLATED	2							

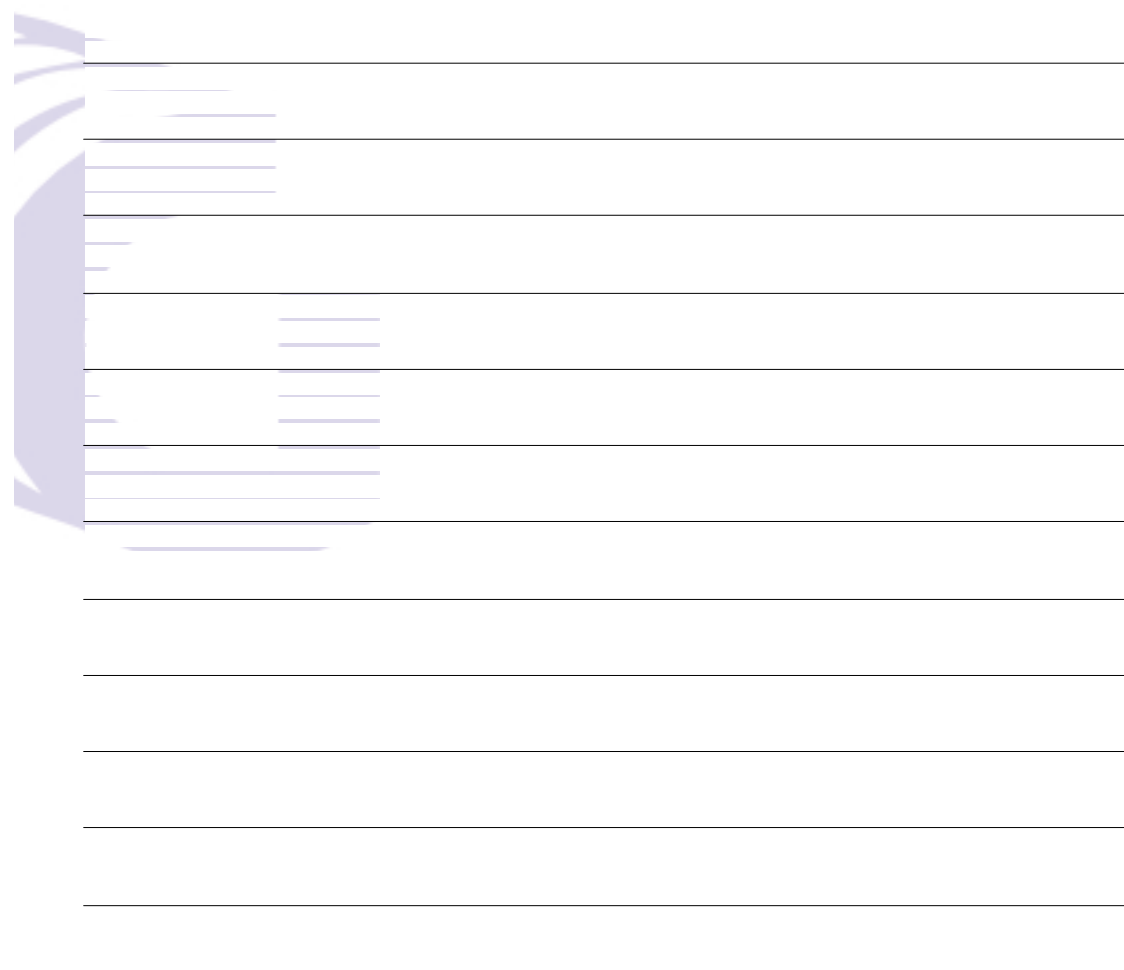
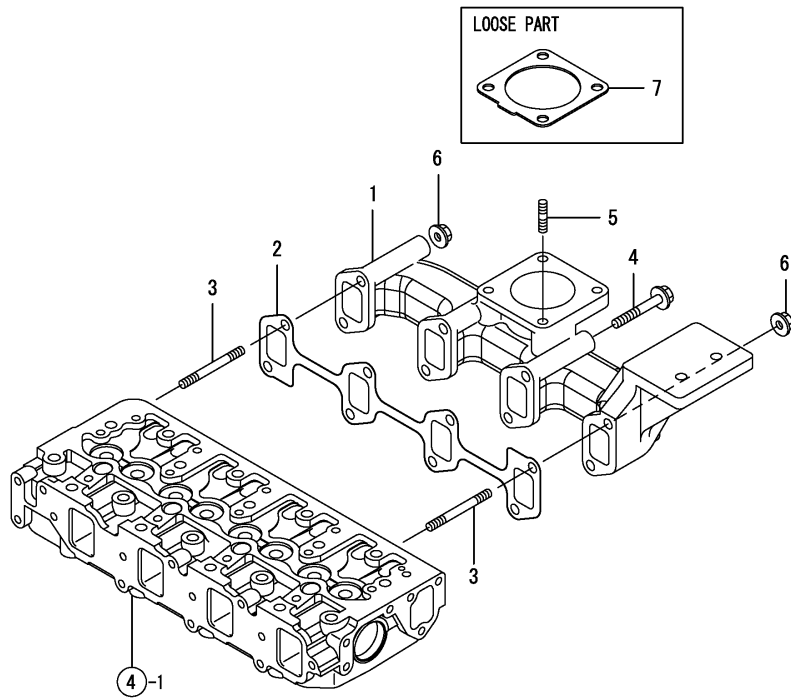


OCW10-G03900 6. EXHAUST MANIFOLD

(A)=4TNV88-XAT
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REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129601-13110	MANIFOLD, EXHAUST	1							
2	1	129550-13110	GASKET, EXH.MANIFOLD	1							
3	1	123900-13610	STUD BOLT M 8X 80	2							
4	1	123900-13630	BOLT 8X80	6							
5	1	119131-18320	BOLT M 8X 22	4							
6	1	26306-080002	NUT	2							
7	1	129930-13201	GASKET, SILENCER	1							



(A)=4TNV88-XAT

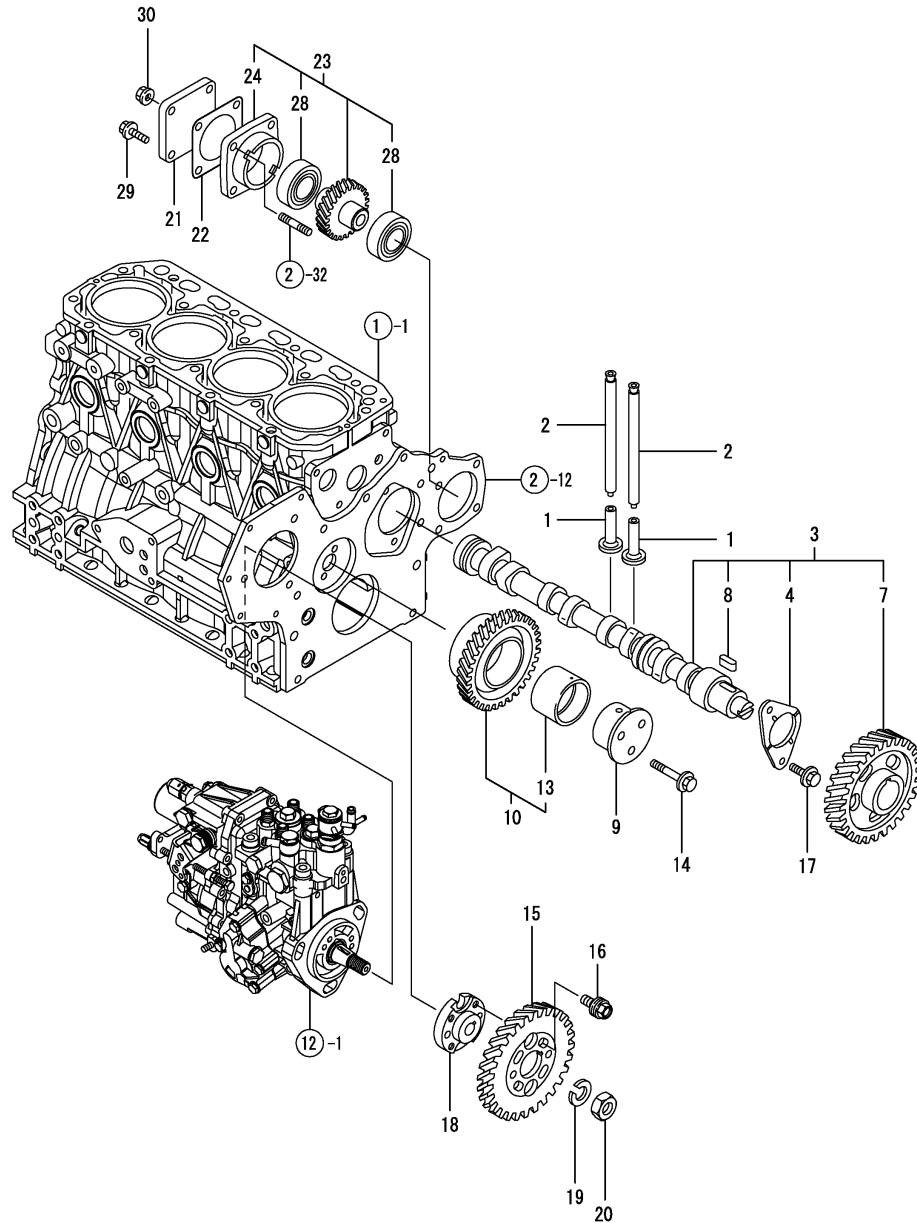
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REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	8							
2	1	129150-14400	ROD, PUSH	8							
3	1	729402-14580	CAMSHAFT ASSY	1							
4	2	129150-02450	METAL, THRUST(CAM	1							
7	2	129150-14101	GEAR, CAMSHAFT	1							
8	2	22512-070140	KEY 7X 14	1							
9	1	119802-25051	SHAFT, IDLE GEAR	1							
10	1	119802-25100	GEAR ASSY, IDLE	1							
13	2	119802-25070	BUSH, IDLE GEAR	1							1
14	1	26106-080402	BOLT M 8X 40 PLATED	3							
15	1	119802-25901	GEAR, PUMP	1							
16	1	129150-25301	BOLT, FI-P	4							
17	1	26106-080142	BOLT 8X 14 PLATED	2							
18	1	158552-51151	FLANGE	1							
19	1	22217-140000	SPRING WASHER 14	1							
20	1	26776-140002	LOCK NUT M14 PLATED	1							
21	1	124240-01871	COVER, HO-P	1							
22	1	124240-01883	GASKET, (NON-ASB.)	1							
23	1	129555-26000	DRIVING SET, H. PUMP	1							
24	2	129150-26050	BRACKET, HO-P	1							
28	2	24105-060064	BALL BEARING	2							
29	1	26106-080252	BOLT M 8X 25 PLATED	3							
30	1	26306-080002	NUT	1							

Remarks
(1) REPAIR PART.

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

(C)Copy Rights YANMAR CO.,LTD.

(A)=4TNV88-XAT

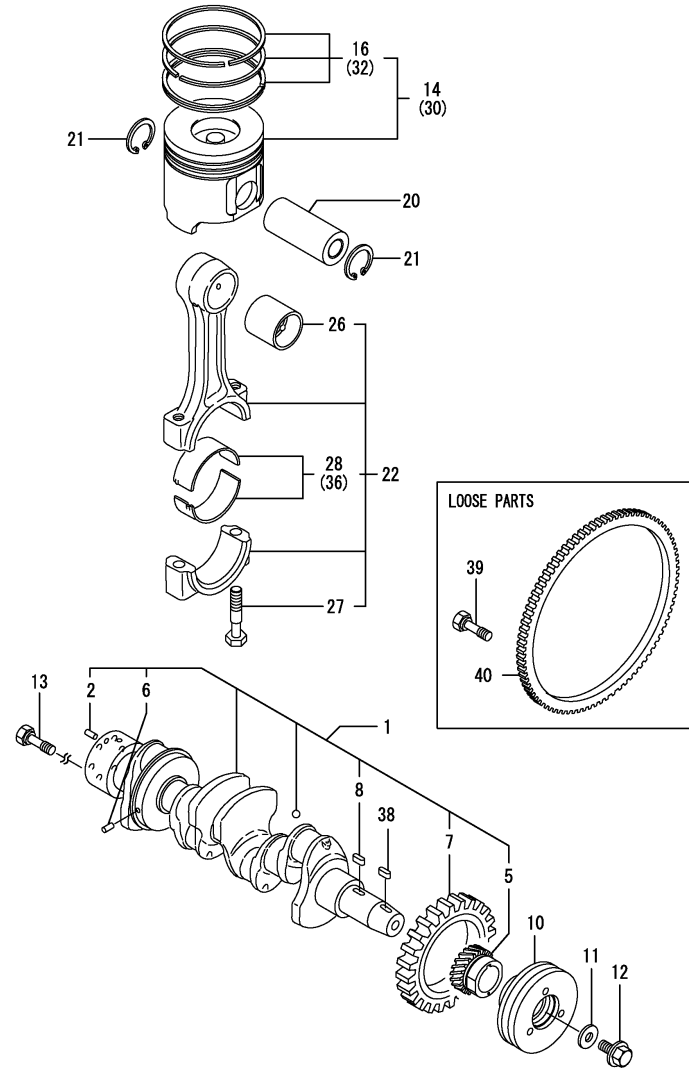
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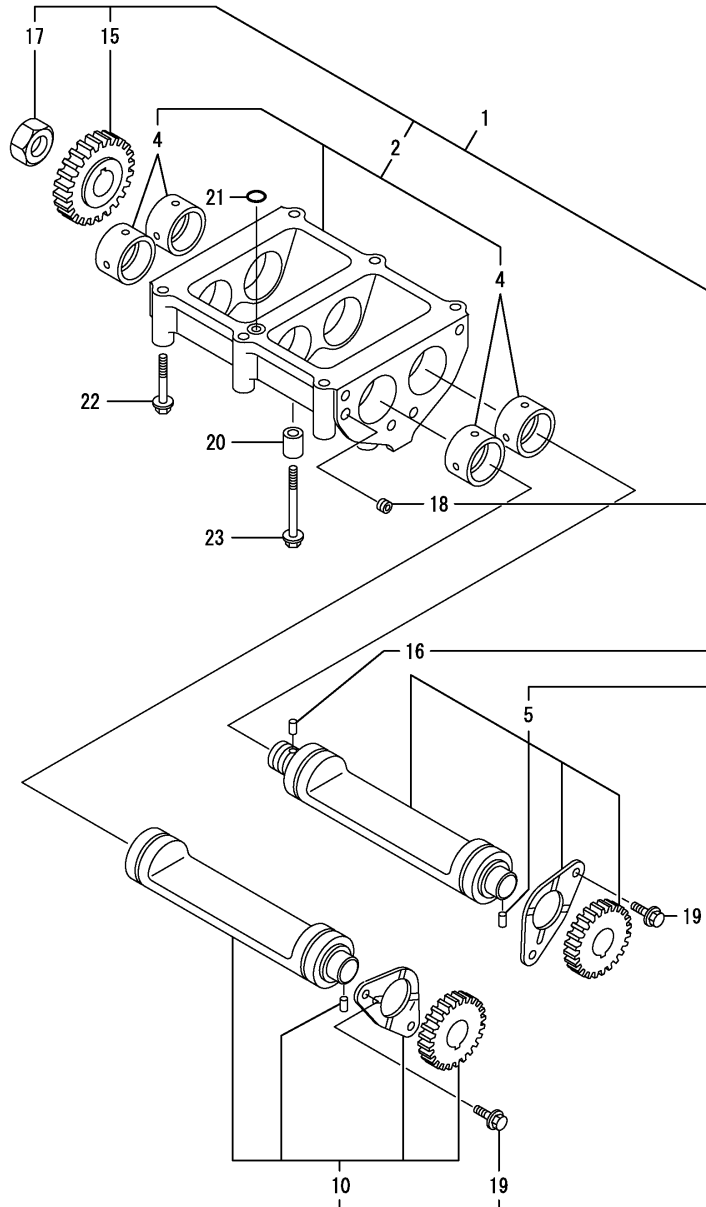
REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129657-21002	CRANKSHAFT ASSY	1							
2	2	129100-01580	PARALLEL PIN 8X16	1							
5	2	119802-21202	GEAR, CRANKSHAFT	1							
6	2	121850-21290	PARALLEL PIN	1							
7	2	129400-28121	GEAR, BALANCER	1							
8	2	22512-070140	KEY 7X 14	1							
10	1	119852-21650	V-PULLEY, CRANKSHAFT	1							
11	1	129795-21661	WASHER	1							
12	1	121850-21680	BOLT, V-PULLEY	1							
13	1	121111-21501	BOLT, FLYWHEEL	6							
14	1	129005-22080	PISTON ASSY	4							
16	2	129005-22500	RING SET, PISTON	4							
20	1	129202-22300	PIN, PISTON(D26,L70)	4							
21	1	22252-000260	CIRCLIP 26	8							
22	1	729402-23100	ROD ASSY, CONNECTING	4							
26	2	129100-23910	BUSH, PISTON PIN	4							1
27	2	121550-23200	BOLT, CONNECTING ROD	8							
28	2	129150-23600	METAL, CRANKPIN	4							
30	1	129005-22900	PISTON W/RING OS=.25	4							2
32	2	129005-22950	RING SET O.S=0.25	4							2
36	1	129150-23610	METAL.PIN US=0.25	4							3
38	1	22512-070140	KEY 7X 14	1							
39	1	121111-21501	BOLT, FLYWHEEL	6							
40	1	124550-21600	RING GEAR	1							

Remarks

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

(A)=4TNV88-XAT
(B)=
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(D)=
(E)=
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REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129457-28000	BALANCER ASSY	1							
2	2	129457-28011	CASEASSY, BALANCER	1							
4	3	129407-28240	BUSH	4							
5	2	729490-28510	BALANCER SHAFT ASSY.	1							
10	2	729490-28520	BALANCER SHAFT ASSY.	1							
15	2	129400-28150	GEAR, BALANCER A	1							
16	2	121850-21290	PARALLEL PIN	1							
17	2	128170-14150	NUT, CAM	1							
18	2	23876-005000	PLUG PT 1/16,SCREW	1							
19	2	26106-080142	BOLT 8X 14 PLATED	4							
20	1	129795-01960	PIPE, KNOCK	2							
21	1	24311-000140	O-RING 1A P-14.0	1							
22	1	26106-080602	BOLT M 8X 60 PLATED	4							
23	1	26106-080802	BOLT M 8X 80 PLATED	2							

(A)=4TNV88-XAT

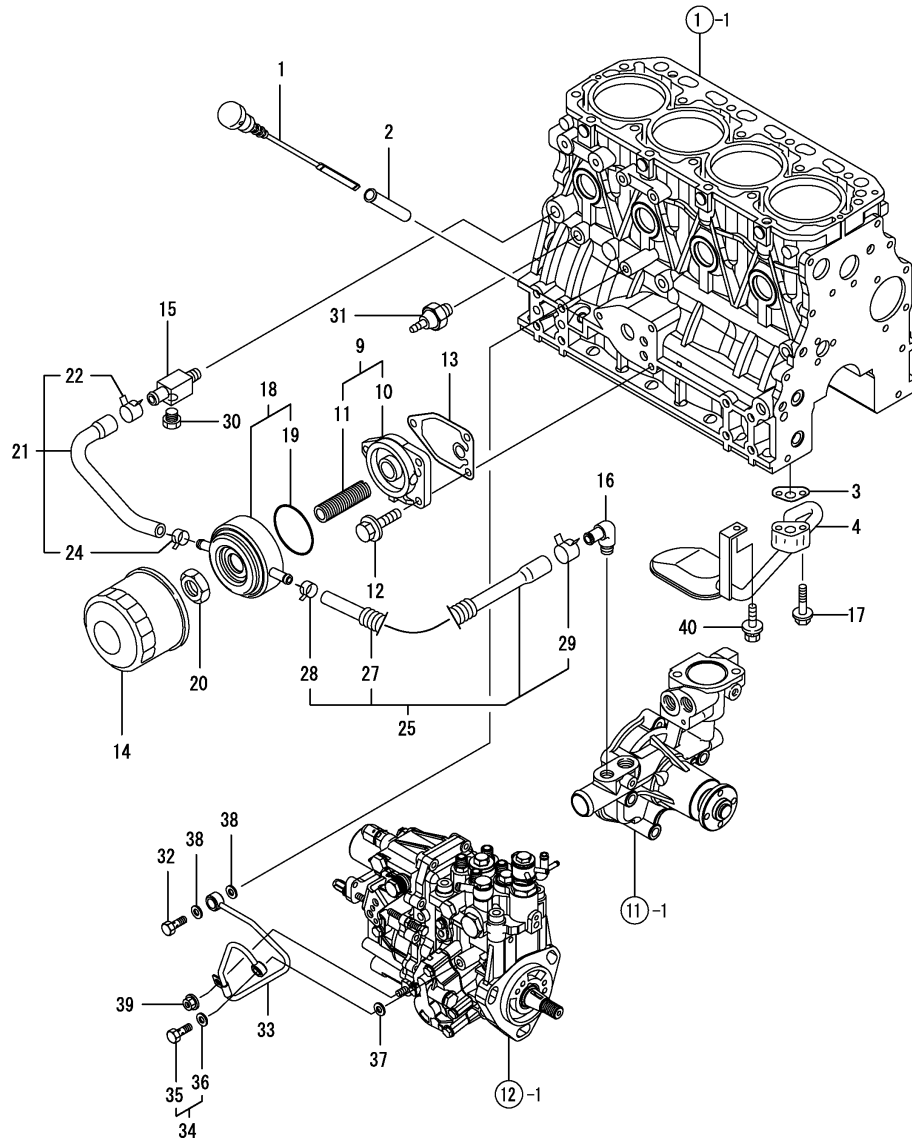
(B)=

(C)=

(D)=

(E)=

(F)=



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129457-34810	DIPSTICK	1							
2	1	121520-34810	GUIDE, DIPSTICK	1							
3	1	129150-35042	GASKET, (NON-ASB.)	1							
4	1	129550-35090	PIPE, OIL INLET	1							
9	1	129006-35100	BRACKET ASSY, FILTER	1							
10	2	119802-35110	BRACKET, FILTER	1							
11	2	129417-35150	STUD	1							
12	1	26106-080202	BOLT M 8X 20 PLATED	3							
13	1	129150-35111	GASKET, (NON-ASB.)	1							
14	1	129150-35153	FILTER 80X80L	1							1
15	1	129006-44480	JOINT	1							
16	1	129103-49301	ELBOW PT 1/4	1							
17	1	26106-080352	BOLT M 8X 35 PLATED	2							
18	1	129508-33010	COOLER ASSY, OIL	1							
19	2	129508-33050	O-RING	1							
20	1	129417-33110	NUT OIL COOLER	1							
21	1	129508-49030	PIPE, COOLER IN	1							
22	2	171008-03990	CLAMP 18.5	1							
24	2	23080-015000	CLAMP	1							
25	1	129508-49040	PIPE, COOLER OUT	1							
27	2	119940-59130	PROTECTOR, PIPE 19	1							
28	2	23080-015000	CLAMP	1							
29	2	23080-018000	CLAMP 18	1							
30	1	171056-49120	PLUG, DRAIN	1							
31	1	114250-39450	SWITCH, (0.5KG)L.O.	1							
32	1	124160-39140	BOLT 10, PIPE JOINT	1							
33	1	119802-39450	PIPE ASSY, LUB. OIL	1							
34	1	129005-59830	BOLT ASSY, JOINT	1							
35	2	23857-030000	JOINT BOLT 3	1							
36	2	22190-080002	SEAL WASHER 8S	1							
37	1	22190-080002	SEAL WASHER 8S	1							
38	1	22190-100002	SEAL WASHER 10S	2							
39	1	26366-060002	NUT M 6	1							
40	1	26014-080162	BOLT M 8X 16	1							

Remarks

(1) REPAIR PART.

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

(C)Copy Rights YANMAR CO.,LTD.

(A)=4TNV88-XAT

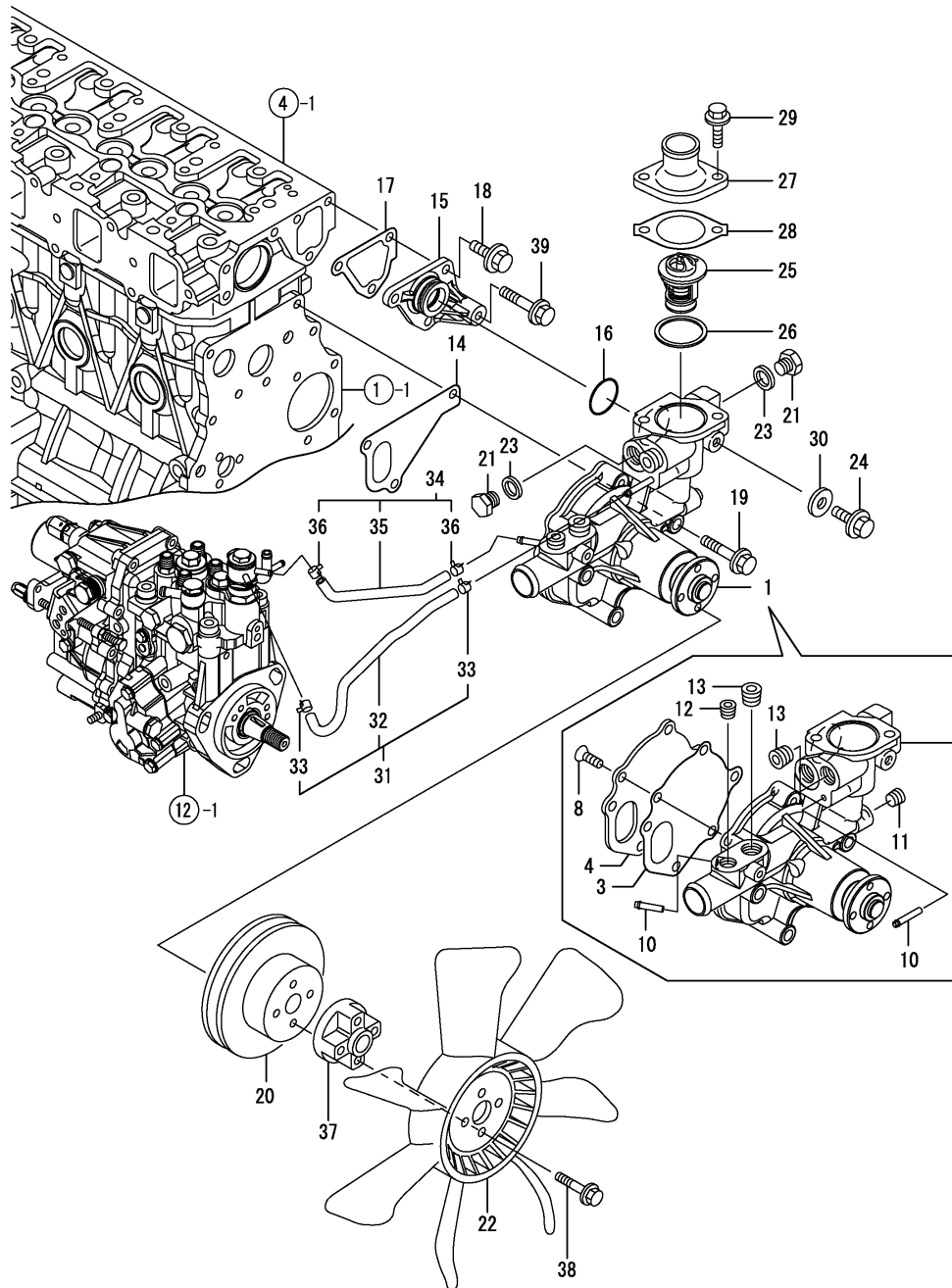
(B)=

(C)=

(D)=

(E)=

(F)=



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-42001	PUMP ASSY, WATER	1							
3	2	129100-42051	GASKET, (NON-ASB.)	1							
4	2	129100-42121	PLATE	1							
8	2	121850-42410	SCREW	3							
10	2	119802-49113	JOINT	2							
11	2	23876-010000	PLUG PT1/8,SCREW	1							
12	2	23876-020000	PLUG PT1/4,SCREW	1							
13	2	129916-49740	PLUG, DRAIN R03	2							
14	1	129486-42021	GASKET	1							
15	1	129004-42040	JOINT	1							
16	1	129486-42140	O-RING,CW-P	1							
17	1	124395-49840	GASKET, THERMO. CASE	1							
18	1	26106-080162	BOLT M 8X 16 PLATED	3							
19	1	26106-080602	BOLT M 8X 60 PLATED	3							
20	1	129403-42380	V-PULLEY(D=110)	1							
21	1	121450-42450	PLUG M16	2							
22	1	129655-44740	FAN, COOLING	1							
23	1	124465-44950	GASKET 16	2							
24	1	26106-080122	BOLT M 8X 12 PLATED	1							
25	1	129155-49801	THERMOSTAT (71)	1							
26	1	129150-49811	GASKET, (NON-ASB.)	1							
27	1	129350-49530	COVER, THERMOSTAT	1							
28	1	129795-49551	GASKET, (NON-ASB.)	1							
29	1	26106-080222	BOLT M 8X 22 PLATED	2							
30	1	23414-080000	GASKET 8, ROUND	1							
31	1	129263-49610	PIPE, COOLING WATER	1							
32	2	129263-49710	PIPE, COOLING WATER	1							
33	2	124722-59050	CLAMP 9	2							
34	1	129263-49620	PIPE, COOLING WATER	1							
35	2	129263-49720	PIPE, COOLING WATER	1							
36	2	124722-59050	CLAMP 9	2							
37	1	171353-44760	SPACER	1							
38	1	26106-060402	BOLT M 6X 40 PLATED	4							
39	1	26106-080452	BOLT M 8X 45 PLATED	1							

(A)=4TNV88-XAT

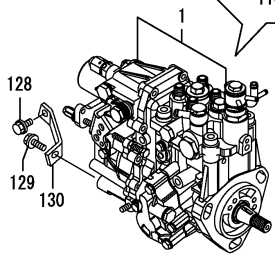
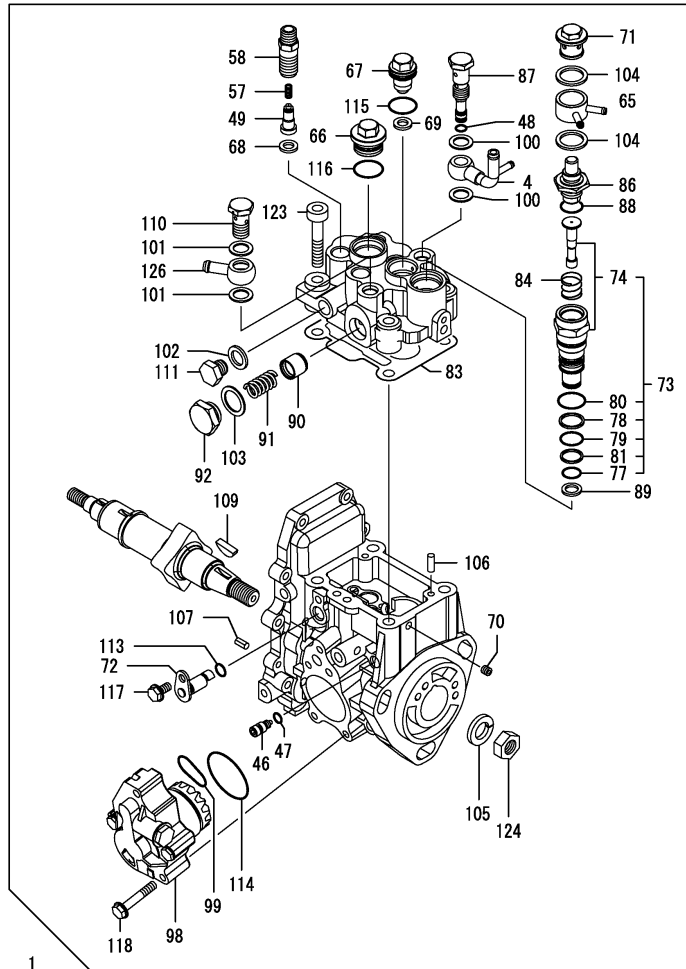
(B)=

(C)=

(D)=

(E)=

(F)=



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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729659-51330	PUMP ASSY, F.INJECT	1							1
4	2	158552-51670	JOINT	1							
46	2	158600-51270	STOPPER	1							
47	2	158563-51281	O-RING	1							
48	2	158563-51281	O-RING	1							
49	2	158560-51300	VALVE ASSY, DILEVERY	4							
57	2	158563-51330	SPRING	4							
58	2	158601-51340	HOLDER, DELIVERY	4							
65	2	158553-51551	JOINT, COOLING WATER	1							
66	2	158601-51550	PLUG	1							
67	2	119802-51560	BARREL PLUG	1							
68	2	158552-51570	PK(BARREL PLUG	4							
69	2	158552-51570	PK(BARREL PLUG	1							
70	2	158557-51570	PLUG	1							
71	2	158601-51570	PLUG,WATER PUMP	1							
72	2	158552-51580	LIFTER	1							
73	2	119802-51590	TIMER SET	1							
74	3	119802-51600	TIMER CMP	1							
77	3	158553-51670	O-RING, 1011	1							
78	3	119802-51680	BACKUP RING	1							
79	3	119802-51690	O RING	1							
80	3	24356-010200	PACKING, 1020	1							
81	3	24372-000150	RING, BACKUP T2 P 15	1							
83	2	158552-51600	PACKING, HEAD	1							
84	2	158553-51630	SPRING,TIMER	1							
86	2	158553-51640	ELEMENT, THERMO	1							
87	2	158601-51650	JOINT	1							
88	2	158553-51660	O-RING,P14	1							
89	2	158553-51680	PACKING,TIMER	1							
90	2	158601-51770	PISTON	1							
91	2	158552-51780	DAMPER ASSY	1							
92	2	158601-51790	PLUG	1							
98	2	158552-52100	PUMP ASSY,FEED	1							
99	2	158552-52310	O-RING	1							
100	2	22190-120002	SEAL WASHER 12	2							
101	2	22190-120002	SEAL WASHER 12	2							
102	2	22190-120002	SEAL WASHER 12	1							
103	2	22190-180002	SEAL WASHER 18	1							
104	2	22190-180002	SEAL WASHER 18	2							
105	2	22217-140000	SPRING WASHER 14	1							
106	2	22312-050140	PARALLEL PIN 5X14	2							
107	2	22351-050010	SPRING PIN 5X10	2							
109	2	119802-51090	KEY,WOODRUFF 4X16	1							
110	2	23857-060000	JOINT BOLT 6,PIPE	1							
111	2	23887-120002	PLUG M12,HEX.	1							
113	2	24311-000070	O-RING 1A P-7.0	1							
114	2	158552-52400	O-RING 4E S42	1							
115	2	24356-010180	O-RING	1							
116	2	24356-010200	PACKING, 1020	1							
117	2	26106-060102	BOLT 6X 10 PLATED	1							
118	2	158553-51770	BOLT	4							

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

++ CONTINUE ++

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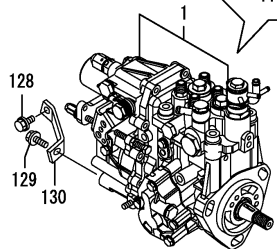
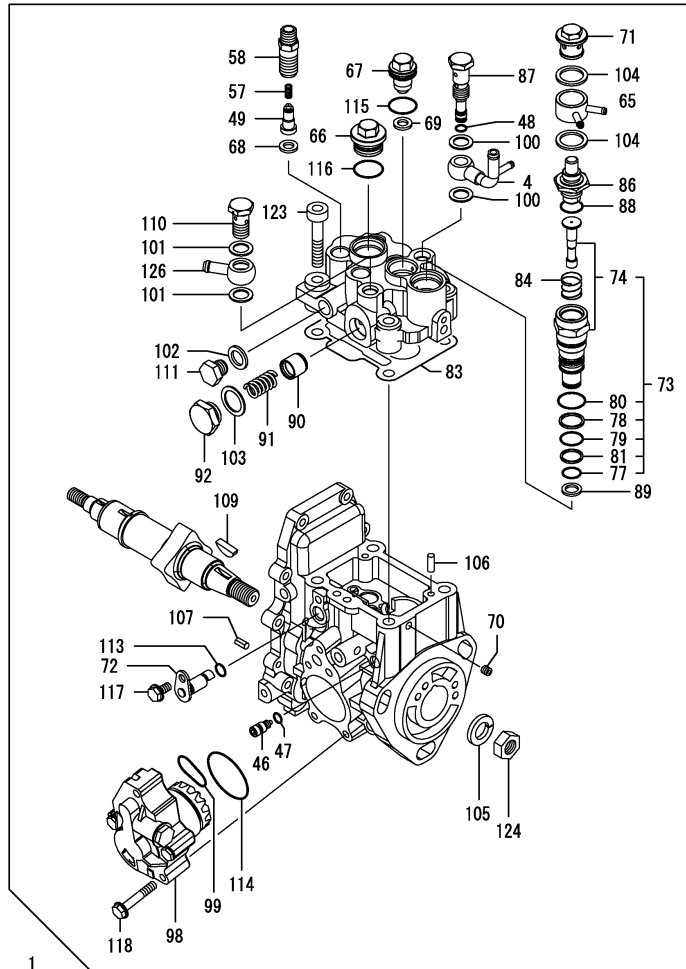
(C)=

(D)=

(E)=

(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
123	2	26450-080452	BOLT M 8X 45	4							
124	2	26776-140002	LOCK NUT M14 PLATED	1							
126	2	129916-59020	JOINT 12, PIPE	1							
128	1	26106-080162	BOLT M 8X 16 PLATED	1							
129	1	26106-080202	BOLT M 8X 20 PLATED	1							
130	1	129601-51250	SUPPORT,FIP	1							



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

(A)=4TNV88-XAT

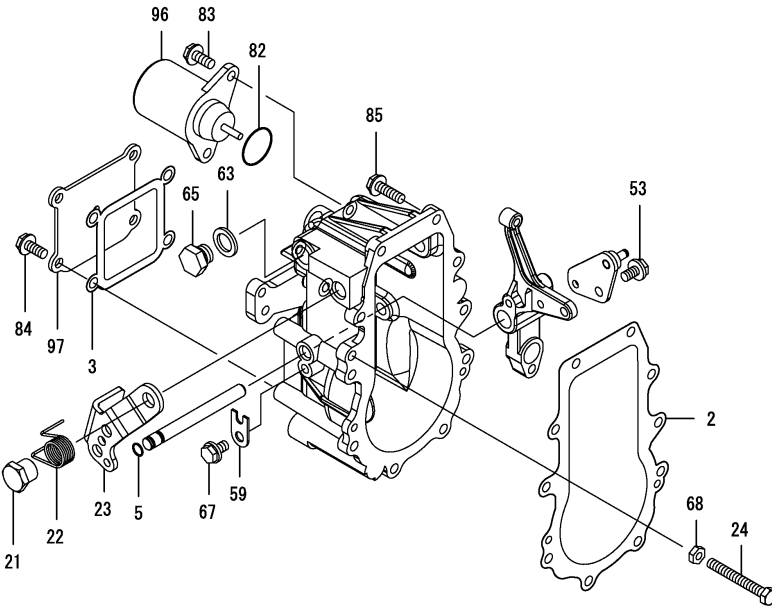
(B)=

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(F)=



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
2	2	158553-61050	PACKING, CASE	1								
3	2	158553-61070	PACKING	1								
5	2	129155-51280	O-RING S6	1								
21	2	129255-61410	NUT	1								
22	2	119807-61420	SPRING	1								
23	2	158552-61441	LEVER, REGULATOR	1								
24	2	129155-61460	BOLT, IDLE LIMIT	1								
53	2	26106-060102	BOLT 6X 10 PLATED	1								
59	2	119660-61901	RETAINER, SHAFT	1								
63	2	22190-120000	SEAL WASHER 12(BOLT)	1								
65	2	23887-120002	PLUG M12,HEX.	1								
67	2	26106-060102	BOLT 6X 10 PLATED	1								
68	2	26756-060002	LOCK NUT 6	1								
82	2	24341-000280	O-RING 1A S-28.0	1								
82-1	2	158552-61900	O-RING	1								N
(A=EXXXXX)												
83	2	26106-060142	BOLT M 6X 14 PLATED	2								
84	2	26106-060142	BOLT M 6X 14 PLATED	4								
85	2	26106-060202	BOLT M 6X 20 PLATED	10								
96	2	119653-77950	SOLENOID, STOP	1								
97	2	129642-61060	COVER, CASE	1								

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

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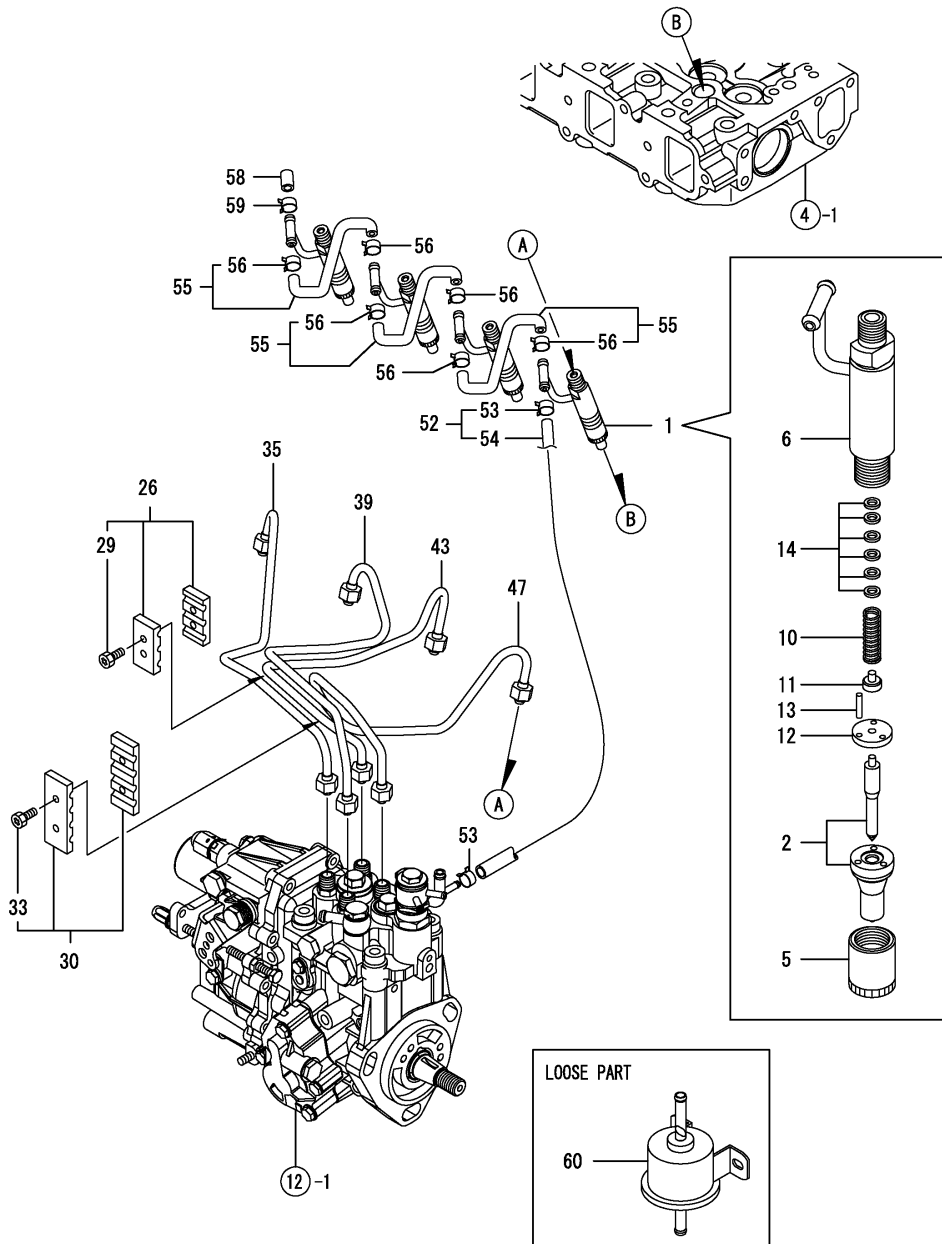
(B)=

(C)=

(D)=

(E)=

(F)=



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729645-53100	FUEL INJECTOR(WBG	4							
2	2	129602-53001	NOZZLE ASSY	4							
5	2	114250-53080	NUT, NOZZLE CASE	4							
6	2	119802-53100	HOLDER ASSY, NOZZLE	4							
10	2	114250-53120	SPRING, NOZZLE	4							
11	2	114250-53130	SEAT, NOZZLE SPRING	4							
12	2	114250-53140	PLATE, STOP	4							
13	2	114250-53210	PIN	8							
14	2	114250-53400	SHIM PACK	4							
26	1	129150-59120	RETAINER, INJ. PIPE	1							
29	2	129150-59131	BOLT M4X14,HEX.SCKT.	2							
30	1	129550-59120	RETAINER	1							
33	2	129150-59131	BOLT M4X14,HEX.SCKT.	2							
35	1	129601-59810	PIPE ASSY, INJECTION	1							
39	1	129601-59820	PIPE ASSY, INJECTION	1							
43	1	129601-59830	PIPE ASSY, INJECTION	1							
47	1	129601-59840	PIPE ASSY, INJECTION	1							
52	1	119802-59550	PIPE ASSY, RETURN	1							
53	2	124722-59050	CLAMP 9	2							
54	2	119802-59560	PIPE, FUEL RETURN	1							
55	1	129486-59551	PIPE, FUEL RETURN	3							
56	2	124722-59050	CLAMP 9	6							
58	1	119593-59580	CAP	1							
59	1	124060-77680	CLAMP 10	1							
60	1	119225-52102	PUMP ASSY, FUEL FEED	1							

(A)=4TNV88-XAT

(B)=

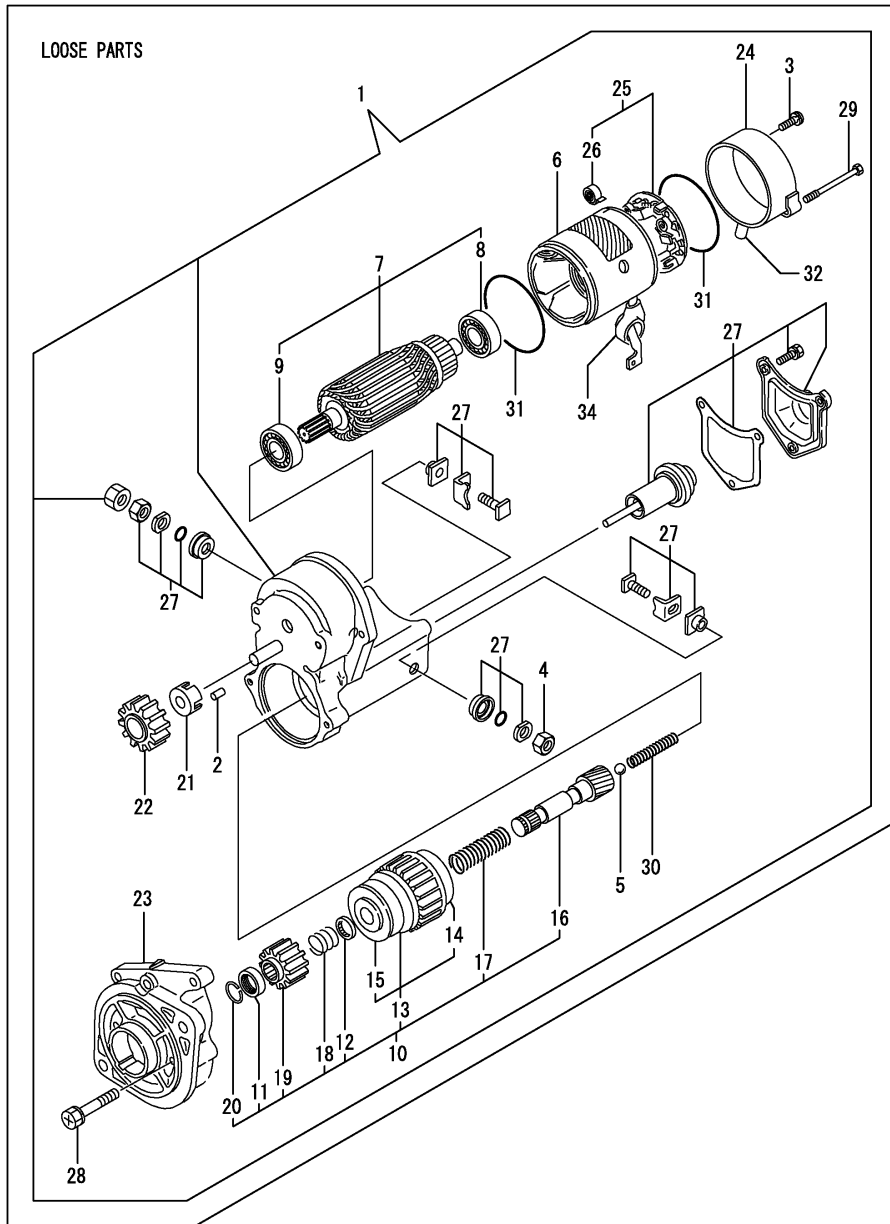
(C)=

(D)=

(E)=

(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129407-77010	STARTER ASSY	1							
2	2	X0283060061	ROLLER	5							
3	2	129129-77460	SCREW	2							
4	2	X9490561370	NUT	1							
5	2	X9491200240	BALL	1							
6	2	129407-77210	YOKE	1							
7	2	129407-77220	ARMATURE ASSY	1							
8	3	129129-77230	BEARING	1							
9	3	129129-77240	BEARING	1							
10	2	129407-77250	STARTER KIT	1							
11	3	X0280210230	NUT	1							
12	3	X0283270140	RETAINER	1							
13	3	129407-77390	CLUTCH,STARTER	1							
14	4	129129-77440	BEARING	1							
15	4	129129-77450	BEARING	1							
16	3	129129-77400	SHAFT	1							
17	3	129129-77410	SPRING, COIL	1							
18	3	129407-77410	SPRING	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	129407-77280	HOUSING	1							
24	2	129407-77290	FRAME	1							
25	2	129407-77300	HOLDER ASSY	1							
26	3	X9491730461	SPRING	4							
27	2	129407-77310	SWITCH ASSY	1							
28	2	129129-77320	BOLT	2							
29	2	129407-77330	BOLT, W/WASHER	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							



(A)=4TNV88-XAT

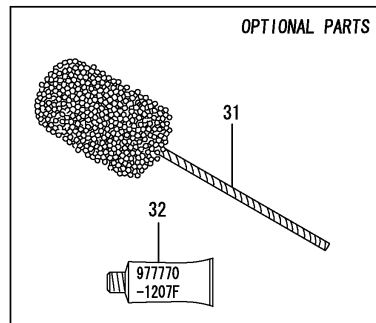
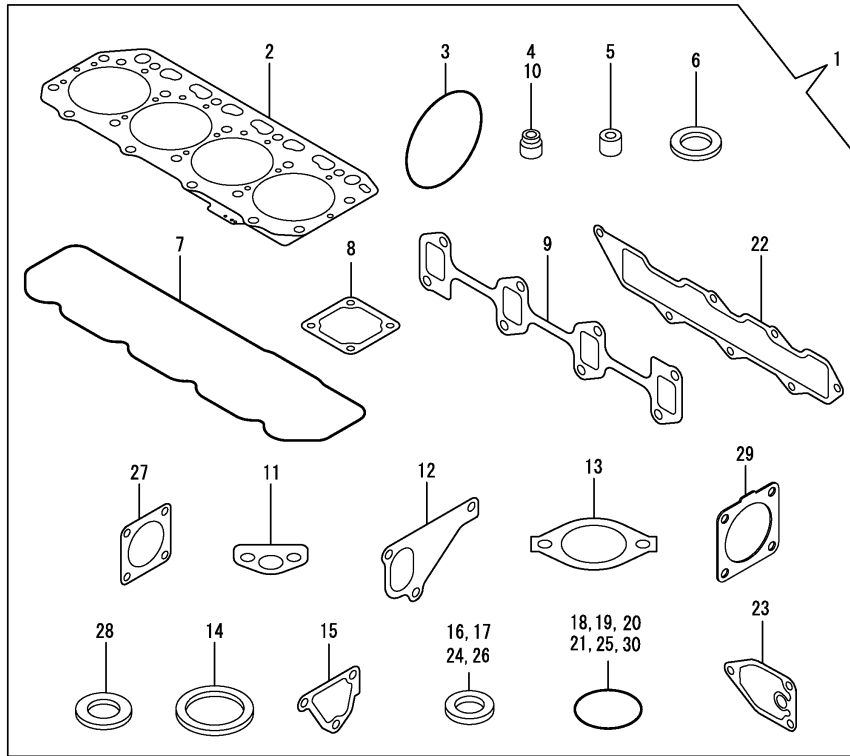
(B)=

(C)=

(D)=

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(F)=



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729601-92910	GASKET SET(NON-ASB.)	1							1
2	2	129407-01340	GASKET,CYL.HEAD	1							
3	2	121850-51960	O-RING, F.I.PUMP	1							
4	2	124460-11340	SEAL, VALVE STEM	4							
5	2	119802-11870	PROTECTOR, NOZZLE	4							
6	2	119625-11880	SEAT, NOZZLE	4							
7	2	129601-11310	GASKET,COVER	1							
8	2	129150-77511	GASKET, (NON-ASB.)	1							
9	2	129550-13110	GASKET, EXH.MANIFOLD	1							
10	2	121400-11340	SEAL, VALVE STEM	4							
11	2	129150-35042	GASKET, (NON-ASB.)	1							
12	2	129486-42021	GASKET	1							
13	2	129795-49551	GASKET, (NON-ASB.)	1							
14	2	129150-49811	GASKET, (NON-ASB.)	1							
15	2	124395-49840	GASKET, THERMO. CASE	1							
16	2	22190-080002	SEAL WASHER 8S	2							
17	2	124465-44950	GASKET 16	2							
18	2	24311-000120	O-RING 1A P 12.0	3							
19	2	24311-000320	O-RING 1A P-32.0	2							
20	2	24341-000240	O-RING 1A S-24.0	1							
21	2	129486-42140	O-RING,CW-P	1							
22	2	129407-12110	GASKET,INT.MANIFOLD	1							
23	2	129150-35111	GASKET, (NON-ASB.)	1							
24	2	22190-160002	SEAL WASHER 16S	1							
25	2	119609-32040	O-RING P16	4							
26	2	22190-100002	SEAL WASHER 10S	2							
27	2	124240-01883	GASKET, (NON-ASB.)	1							
28	2	23414-080000	GASKET 8, ROUND	1							
29	2	129930-13201	GASKET, SILENCER	1							
30	2	24311-000140	O-RING 1A P-14.0	1							
31	1	129400-92430	HORN, FLEX	1							1
32	1	977770-1207F	GASKET.LIQUID	1							1

Remarks

(1) OPTIONAL PART.

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

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Part Number Index

All parts are stipulated in the order of part numbers.

(Depending on the area in which the part is used.)

This index will display the location of the part according to each part number.

PARTS No. INDEX

PARTS No.	Fig.	Ref.No.
105425-01690	3	6
114250-39450	10	31
114250-53080	14	5
114250-53120	14	10
114250-53130	14	11
114250-53140	14	12
114250-53210	14	13
114250-53400	14	14
119131-18320	6	5
119225-52102	14	60
119309-01810	1	30
119593-59580	14	58
119609-32040	2	17
	16	25
119625-11880	4	20
	16	6
119653-77950	13	96
119660-61901	13	59
119802-01560	2	13
119802-03110	4	41
119802-03121	4	42
119802-03130	4	43
119802-03141	4	44
119802-11260	4	26
119802-11270	4	27
119802-11870	4	19
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119802-32070	2	8
119802-32100	2	7
119802-32111	2	18
119802-32120	2	19
119802-32130	2	20
119802-35110	10	10
119802-39450	10	33
119802-49113	11	10
119802-51090	12	109
119802-51560	12	67
119802-51590	12	73
119802-51600	12	74
119802-51680	12	78
119802-51690	12	79
119802-53100	14	6
119802-59550	14	52
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