

0CV10-M78100EN

PREFACE

1. This Parts Catalog carries all parts incorporated in YANMAR Model 3TNE88-ECR engine manufactured since May, 2001.
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)

①

REF.

②

LEV.

PARTS NO.

DESCRIPTION

(A)=4JH-DT
(B)=4JH-DTZ
(C)=4JH-DTZP

(D)=4JH-DTZA
(E)=4JH-DTZY
(F)=

Q'TY

(A) (B) (C) (D) (E) (F)

③

I

⑤

R

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	④	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.

Contents

Fig. No.	Fig. Name	Fig. No.	Fig. Name
3TNE88-ECR			
1.	CYLINDER BLOCK		
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.	GOVERNOR		
13.	FUEL INJECTION VALVE		
14.	FUEL LINE		
15.	STARTING MOTOR		
16.	GENERATOR		
17.	GASKET SET		

Exploded view diagram of a 4-cylinder engine block and cylinder head assembly. The diagram shows the engine block (1) with four cylinders, the cylinder head (31) with four valves, and various components like the intake manifold (10), exhaust manifold (11), and timing belt (12). Callouts 1-14 identify specific parts, and callouts 24, 27, and 30 identify the timing belt and its associated components.

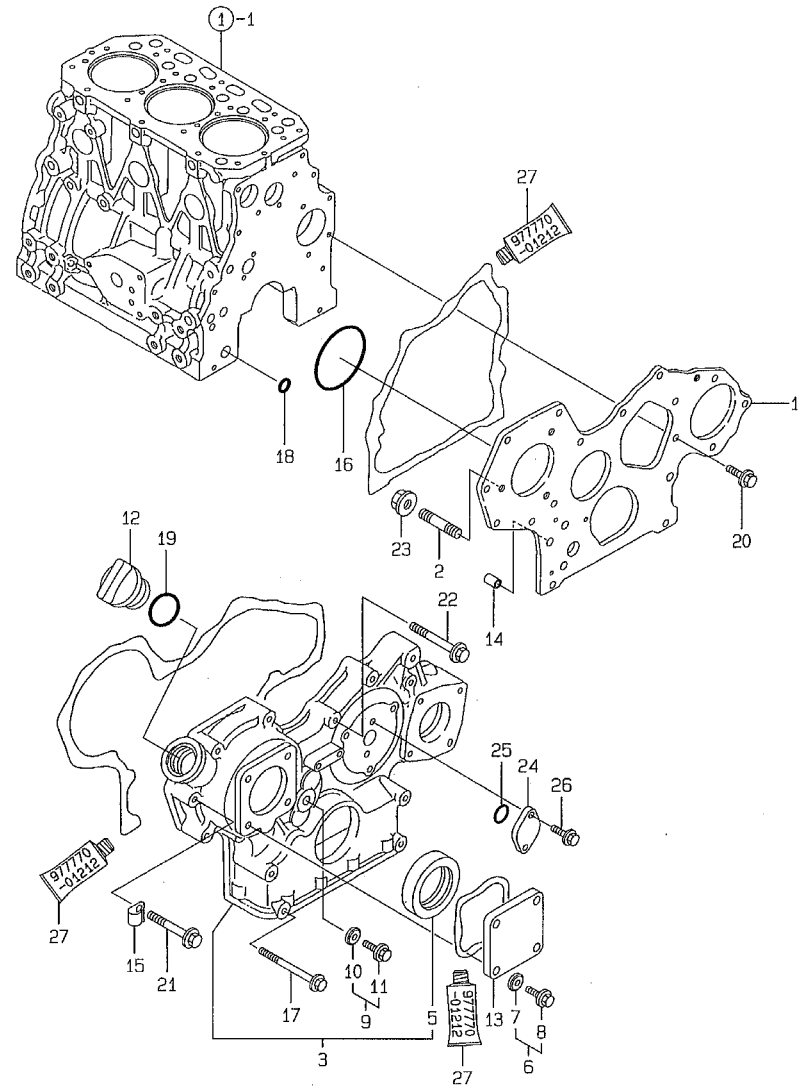
(1) OVER-SIZE(O.S=0.25)PART.
(2) UNDER-SIZE(U.S=0.25)PART.
(3) REPAIR PART.

No.	Lev.	Parts No.	Description	(A)=3TNE88-ECR		(D)=		(E)=		I	R
				(B)=	(C)=	(C)	(D)	(E)	(F)		
1	1	729001-01560	BLOCK ASSY, CYLINDER	1							
7	2	129001-01250	PLUG, 50	1							
8	2	124160-01910	PLUG, PT1/4	3							
9	2	171051-01921	PLUG, NPTF1	1							
10	2	129150-02020	BOLT, METAL CAP	8							
11	2	129795-02411	BUSH, CAMSHAFT	1							
12	2	23876-010000	PLUG, R01	1							
13	2	27241-120000	PLUG, 12	2							
14	2	27241-300000	PLUG 30	6							
24	2	129150-02930	BEARING, THRUST	2							
27	2	129001-02930	BEARING, MAIN	4							3
30	1	129150-01200	BOLT, HEAD	14							
31	1	129001-01340	GASKET, HEAD	1							
32	1	129150-02940	BEARING, THRUST 0.25	1							1
35	1	129150-02870	BEARING, 0.25 US	4							2

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.2. GEAR HOUSING

Y00V7810
3TNE88-ECR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171353-01520	FLANGE, GEAR CASE	1							
2	1	121450-01560	STUD, M8X22	3							
3	1	171353-01580	CASE ASSY, GEAR	1							
5	2	129795-01800	SEAL, OIL	1							
6	1	124550-01590	BOLT, M8X16	4							
7	2	22190-080003	WASHER, SEAL 8	4							
8	2	26106-080162	BOLT, M8X 16 PLATED	4							
9	1	124550-01590	BOLT, M8X16	1							
10	2	22190-080003	WASHER, SEAL 8	1							
11	2	26106-080162	BOLT, M8X 16 PLATED	1							
12	1	124160-01751	COVER, FILLER	1							
13	1	124240-01871	COVER	1							
14	1	129795-01950	PIPE, KNOCK L=18	2							
15	1	129150-03100	RETAINER, PIPE	1							
16	1	121850-51960	O-RING	1							
17	1	129001-91841	BOLT, M8X85	4							
18	1	24311-000160	O-RING, 1AP16.0	2							
19	1	24311-000320	O-RING, 1AP32.0	1							
20	1	26106-080162	BOLT, M8X 16 PLATED	3							
21	1	26106-080452	BOLT, M8X 45 PLATED	6							
22	1	26106-080552	BOLT, M8X 55 PLATED	3							
23	1	26306-080002	NUT, M8	3							
24	1	121023-01550	COVER	1							
25	1	24341-000240	O-RING, 1AS24.0	1							
26	1	26106-060162	BOLT, M6X 16 PLATED	2							
27	1	977770-01212	GASKET, LIQUID	1							1

Remarks
(1) OPTIONAL PART.

(F)=

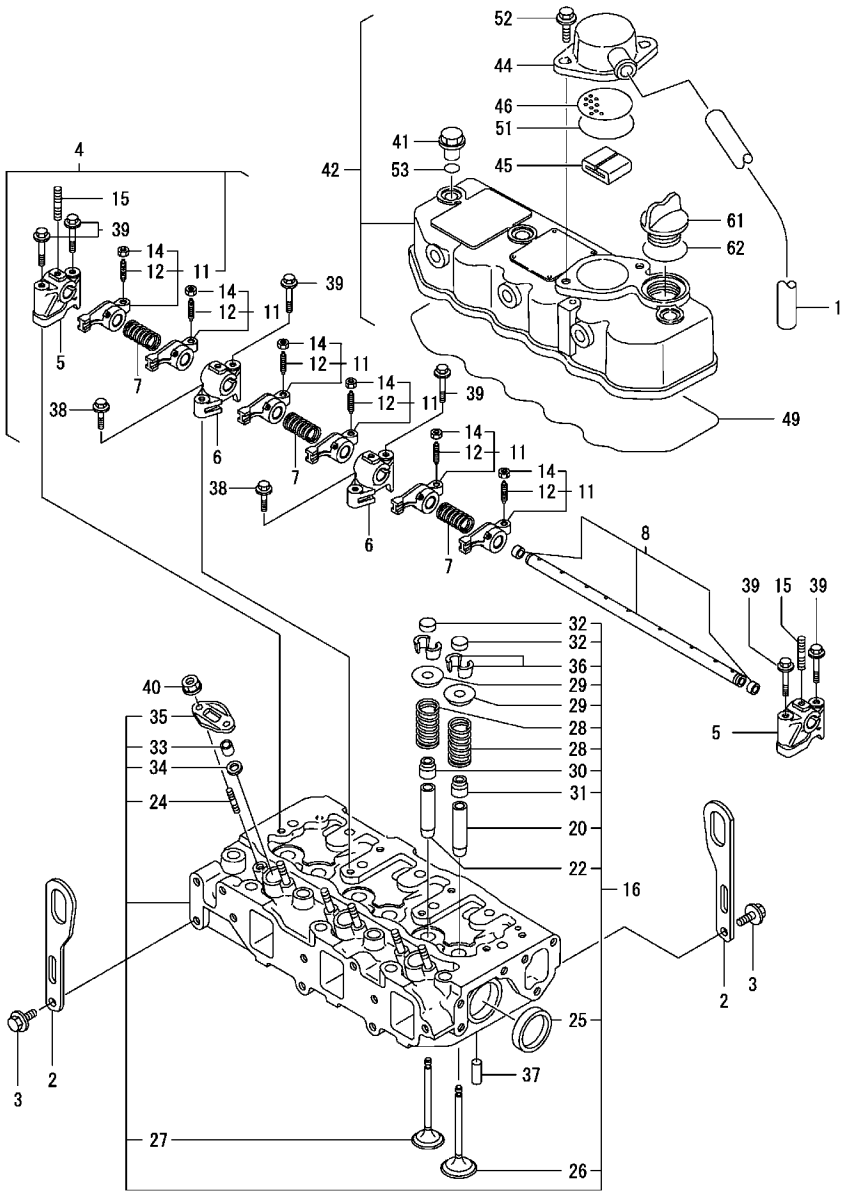
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N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable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

Fig.4. CYLINDER HEAD & BONNET

(A)=3TNE88-ECR
(B)=
(C)=

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

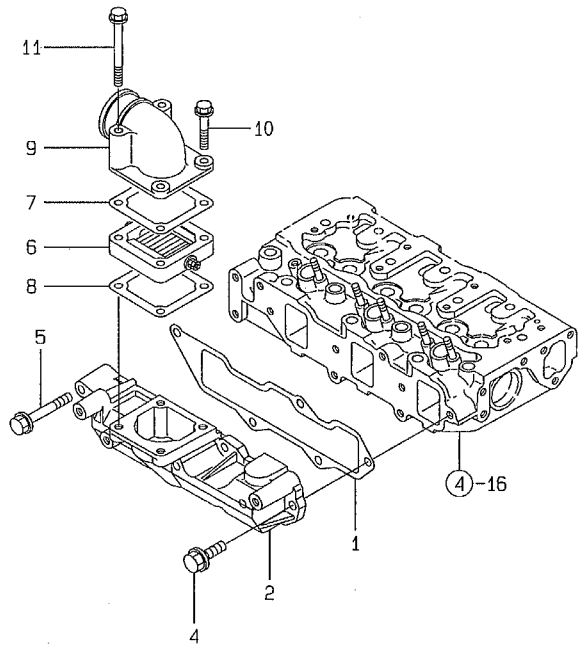


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-03090	HOSE, ID16X2T	1							
2	1	124736-07900	LIFTER	2							
3	1	26106-080142	BOLT, M8X 14 PLATED	4							
4	1	129155-11241	SHAFT ASSY, ROCKER	1							
5	2	129155-11260	SUPPORT, ROCKER ARM	2							
6	2	129155-11270	SUPPORT, ROCKER ARM	2							
7	2	129150-11280	SPRING	3							
8	2	129150-11290	SHAFT, ROCKER ARM	1							
11	2	729402-11650	ARM ASSY, ROCKER	6							
12	3	129150-11230	SCREW, VALVE ADJUST	6							
14	3	129150-11750	NUT, M8	6							
15	2	26226-080182	STUD, M8X 18	3							
16	1	129051-11700	HEAD ASSY, CYLINDER	1							
20	2	120130-11860	GUIDE, VALVE	3							1
22	2	129150-11810	GUIDE, VALVE	3							1
24	2	26216-060202	STUD, M6X 20	6							
25	2	27241-400000	PLUG, 40	2							
26	2	129100-11100	VALVE, INTAKE	3							
27	2	129100-11110	VALVE, EXHAUST	3							
28	2	129795-11120	SPRING, VALVE	6							
29	2	129795-11180	RETAINER, SPRING	6							
30	2	121400-11340	SEAL, VALVE STEM	3							
31	2	124460-11340	SEAL, VALVE STEM	3							
32	2	129150-11370	CAP, VALVE	6							
33	2	119625-11870	PROTECTOR, NOZZLE	3							
34	2	119625-11880	SEAT, NOZZLE	3							
35	2	119625-11900	RETAINER, NOZZLE	3							
36	2	27310-080001	COTTER, 8	6							
37	1	22351-060012	PIN, SPRING 6.0X12	2							
38	1	26106-080252	BOLT, M8X 25 PLATED	2							
39	1	26106-080502	BOLT, M8X 50 PLATED	6							
40	1	26366-060002	NUT, M6	6							
41	1	124160-11360	KNOB	3							
42	1	729132-11521	BONNET ASSY, HEAD	1							
44	2	129150-03020	COVER, BREATHER	1							
45	2	129150-03070	BAFFLE, BREATHER	1							
46	2	129150-03080	PLATE, BAFFLE	1							
49	2	129150-11310	GASKET, BONNET	1							
51	2	24341-000500	O-RING, 1AS50.0	1							
52	2	26106-080162	BOLT, M8X 16 PLATED	2							
53	1	24311-000120	O-RING, 1AP12.0	3							
61	1	124160-01751	COVER, FILLER	1							
62	1	24311-000320	O-RING, 1AP32.0	1							

Remarks
(1) REPAIR PART.

Fig.5. SUCTION MANIFOLD

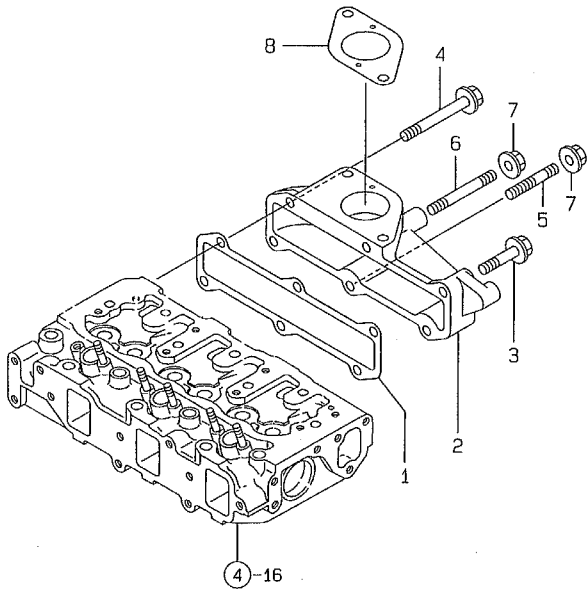
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No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129001-12110	GASKET, MANIFOLD	1							
2	1	129001-12120	MANIFOLD, AIR INTAKE	1							
4	1	26106-080202	BOLT, M8X 20 PLATED	4							
5	1	26106-080502	BOLT, M8X 50 PLATED	1							
6	1	129100-77500	HEATER, AIR 12V	1							
7	1	129100-77510	GASKET	1							
8	1	129150-77511	GASKET	1							
9	1	171340-77520	BEND	1							
10	1	26106-080402	BOLT, M8X 40 PLATED	2							
11	1	26106-080802	BOLT, M8X 80 PLATED	2							

Fig.6. EXHAUST MANIFOLD

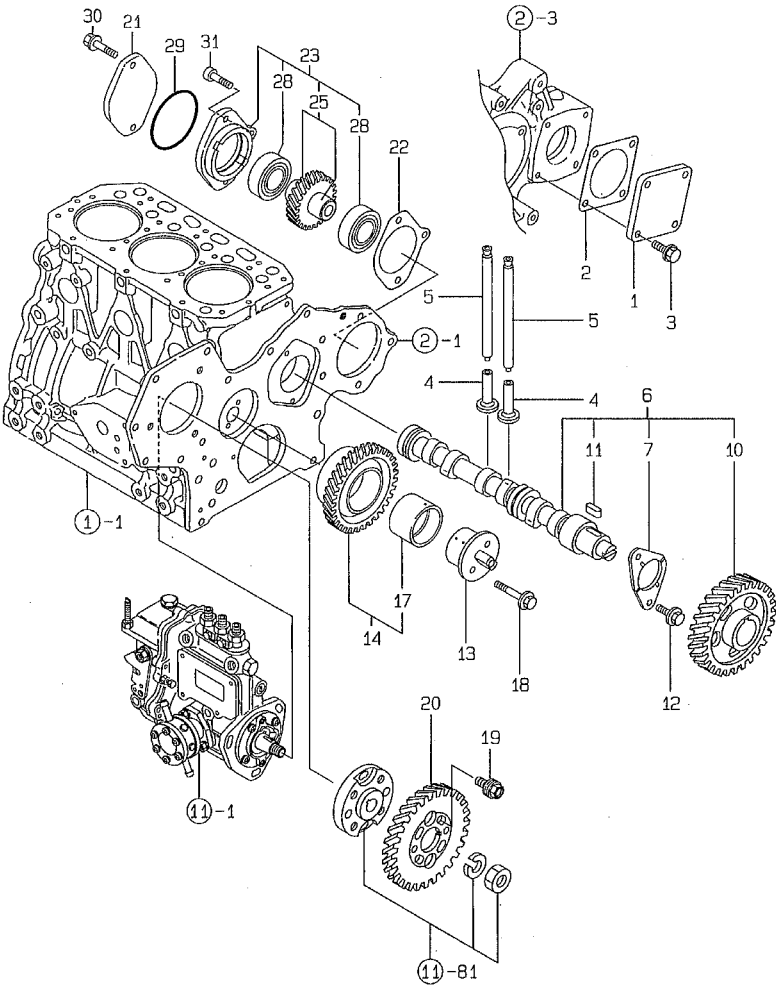
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No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129001-13110	GASKET	1							
2	1	129052-13150	MANIFOLD, EXHAUST	1							
3	1	26106-080402	BOLT, M8X 40 PLATED	3							
4	1	26106-080752	BOLT, M8X 75 PLATED	1							
5	1	26216-080402	STUD, M8X 40	1							
6	1	26216-080802	STUD, M8X 80	1							
7	1	26306-080002	NUT, M8	2							
8	1	129107-13540	GASKET, SILENCER	1							

Fig.7. CAMSHAFT & DRIVING GEAR

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3TNE88-ECR

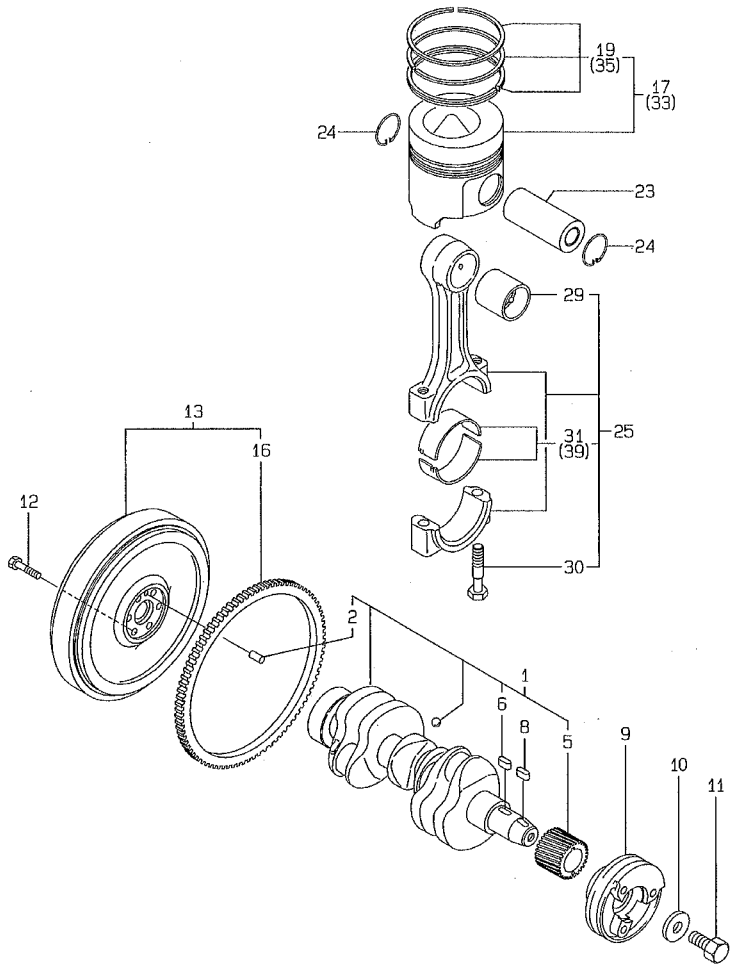


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124240-01871	COVER	1							
2	1	124240-01883	GASKET	1							
3	1	26106-080162	BOLT, M8X 16 PLATED	4							
4	1	129150-14200	TAPPET	6							
5	1	129150-14400	ROD, PUSH L=178	6							
6	1	129129-14580	CAMSHAFT ASSY	1							
7	2	129150-02450	BEARING, THRUST	1							
10	2	129150-14101	GEAR, CAMSHAFT	1							
11	2	22512-070140	KEY, 7X 14	1							
12	1	26106-080142	BOLT, M8X 14 PLATED	2							
13	1	129100-25061	SHAFT, IDLE	1							
14	1	129150-25101	GEAR ASSY, IDLE	1							
17	2	129150-25920	BUSH, IDLE GEAR	1							1
18	1	26106-080452	BOLT, M8X 45 PLATED	2							
19	1	129150-25301	BOLT	4							
20	1	129150-25931	GEAR, PUMP	1							
21	1	121023-26070	COVER	1							
22	1	171353-26081	GASKET	1							
23	1	129484-26200	DRIVE ASSY, PUMP	1							
25	2	129484-26210	GEAR ASSY	1							
28	2	24105-060064	BEARING, BALL 6006Z	2							
29	1	24321-000850	O-RING, 1AG85.0	1							
30	1	26106-100452	BOLT, M10X 45 PLATED	2							
31	1	26450-080282	BOLT, M8X 28	1							

Remarks
(1) REPAIR PART.

Fig.8. CRANKSHAFT & PISTON

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3TNE88-ECR



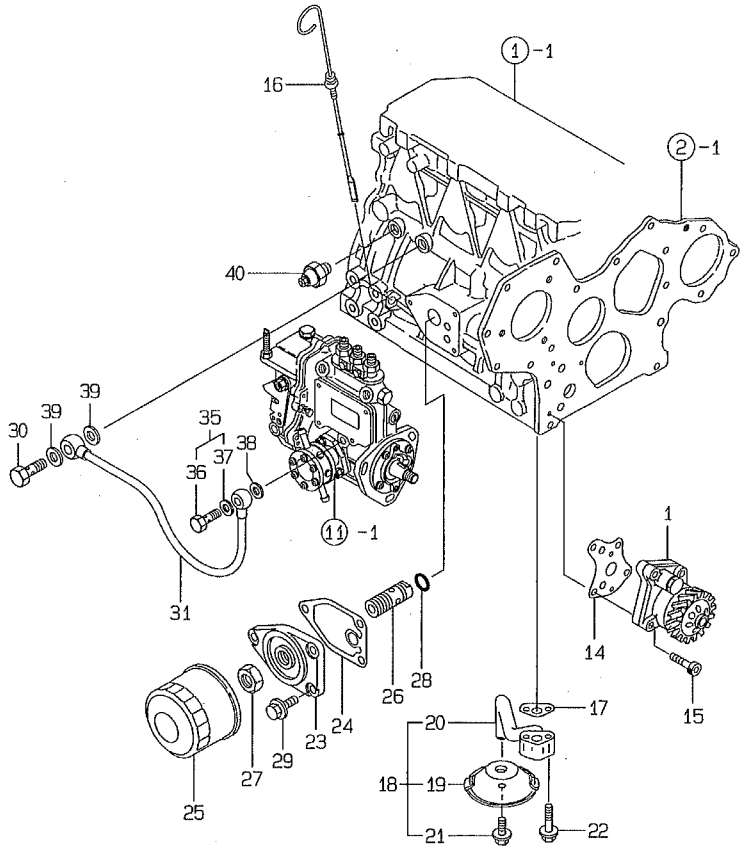
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129001-21100	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
5	2	129150-21200	GEAR, CRANKSHAFT	1							
6	2	22512-070140	KEY, 7X 14	1							
8	1	22512-070140	KEY, 7X 14	1							
9	1	129051-21660	V-PULLEY	1							
10	1	129795-21661	WASHER	1							
11	1	121850-21680	BOLT	1							
12	1	124160-21501	BOLT, FLYWHEEL	6							
13	1	129051-21570	FLYWHEEL ASSY	1							
16	2	119865-21600	GEAR, RING	1							
17	1	129001-22070	PISTON ASSY	3							
19	2	129001-22500	RING SET, PISTON	3							
23	1	129202-22300	PIN, PISTON D26 L70	3							
24	1	22252-000260	RING, 26	6							
25	1	729402-23100	ROD ASSY, CONNECTING	3							
29	2	129100-23910	BEARING, PISTON PIN	3							1
30	2	121550-23200	BOLT, CONNECTING ROD	6							
31	2	129150-23600	BEARING, CRANK PIN	3							
33	1	129001-22930	PISTON ASSY, 0.25 OS	3							2
35	2	129001-22950	RING SET, 0.25 OS	3							2
39	1	129150-23610	BEARING, 0.25 US	3							3

Remarks

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

Fig.9. LUB.OIL SYSTEM

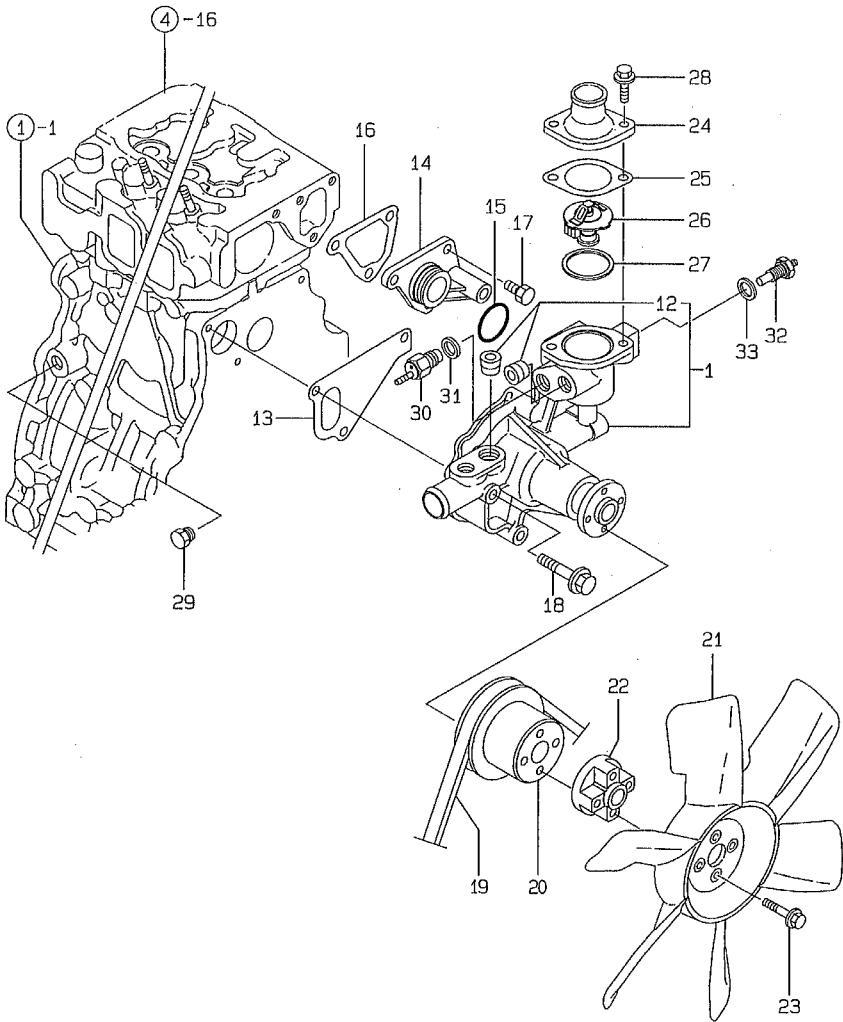
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No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129001-32001	PUMP ASSY, OIL	1							
14	1	129150-32020	GASKET, PUMP	1							
15	1	26450-060252	BOLT, M6X 25	4							
16	1	129052-34800	DIPSTICK, OIL	1							
17	1	129150-35041	GASKET	1							
18	1	129129-35090	PIPE ASSY, OIL INLET	1							
19	2	129129-35010	PIPE, OIL INLET	1							
20	2	129129-35080	PIPE, OIL INLET	1							
21	2	26106-080122	BOLT, M8X 12 PLATED	1							
22	1	26106-080352	BOLT, M8X 35 PLATED	2							
23	1	129150-35101	BRACKET, STRAINER	1							
24	1	129150-35111	GASKET	1							
25	1	129150-35151	FILTER, D80XL80	1							
26	1	129001-35300	BOLT, FILTER	1							
27	1	129150-35350	NUT	1							
28	1	24311-000160	O-RING, 1AP16.0	1							
29	1	26106-080202	BOLT, M8X 20 PLATED	3							
30	1	124160-39140	BOLT, PIPE JOINT M10	1							
31	1	129150-39450	PIPE ASSY, OIL	1							
35	1	124550-59830	BOLT ASSY, JOINT M8	1							
36	2	124550-59820	BOLT, PIPE JOINT M8	1							
37	2	22190-080002	WASHER, SEAL 6	1							
38	1	22190-080002	WASHER, SEAL 6	1							
39	1	22190-100002	WASHER, SEAL 10	2							
40	1	121252-39450	SWITCH, 0.5KG	1							

Fig.10. COOLING WATER SYSTEM

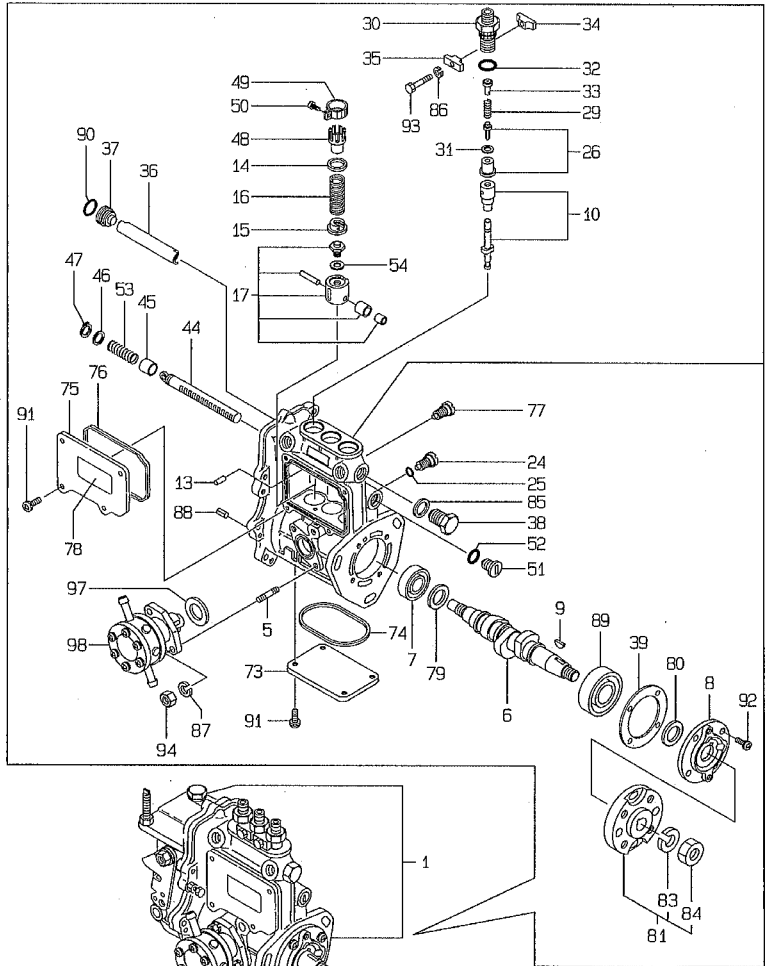
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3TNE88-ECR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129001-42003	PUMP ASSY, WATER	1							
12	2	23876-030000	PLUG, R03	2							
13	1	129486-42021	GASKET, WATER PUMP	1							
14	1	129001-42040	JOINT	1							
15	1	129486-42140	O-RING, G30	1							
16	1	124395-49840	GASKET	1							
17	1	26106-080162	BOLT, M8X 16 PLATED	3							
18	1	26106-080602	BOLT, M8X 60 PLATED	3							
19	1	119865-42290	V-BELT, A36.5	1							
20	1	129403-42380	V-PULLEY, D=110	1							
21	1	129354-44740	FAN, COOLING	1							
22	1	121267-44760	SPACER	1							
23	1	26106-060352	BOLT, M6X 35 PLATED	4							
24	1	129350-49530	COVER, THERMOSTAT	1							
25	1	129795-49551	GASKET	1							
26	1	129457-49800	THERMOSTAT, 82	1							
27	1	129150-49811	GASKET, THERMOSTAT	1							
28	1	26106-080202	BOLT, M8X 20 PLATED	2							
29	1	171056-49120	PLUG, DRAIN	1							
30	1	121250-44901	SWITCH, 110	1							
31	1	124465-44950	GASKET, 16	1							
32	1	124250-49351	SENSOR	1							
33	1	129150-49360	GASKET	1							

Fig.11. FUEL INJECTION PUMP

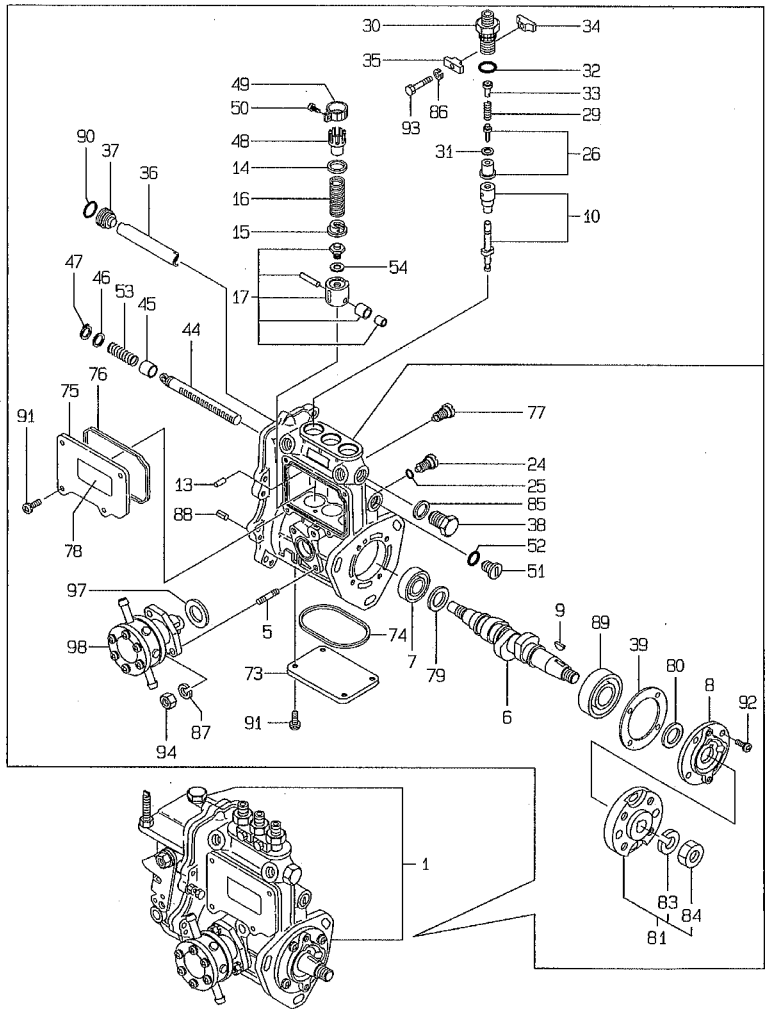
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3TNE88-ECR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729051-51460	PUMP ASSY, INJECTION	1							1
5	2	129155-51020	STUD	2							
6	2	129171-51040	CAMSHAFT	1							
7	2	129155-51050	BEARING, 17BM001D	1							
8	2	129208-51060	SUPPORT	1							
9	2	122710-51090	KEY	1							
10	2	129506-51100	PLUNGER ASSY	3							
13	2	129155-51140	PIN	3							
14	2	174307-51170	RETAINER, SPRING A	3							
15	2	129155-51180	RETAINER, SPRING	3							
16	2	124950-51190	SPRING, PLUNGER	3							
17	2	129155-51200	TAPPET ASSY	3							
24	2	129155-51270	STOPPER, TAPPET	3							
25	2	129155-51280	O-RING, S6	3							
26	2	129209-51300	VALVE ASSY, DELIVERY	3							
29	2	129573-51330	SPRING, DELIVERY	3							
30	2	129573-51340	RETAINER	3							
31	2	124550-51350	GASKET, DELIVERY	3							
32	2	124550-51370	O-RING	3							
33	2	129573-51370	STOPPER, VALVE	3							
34	2	129155-51380	STOPPER	2							
35	2	129155-51390	STOPPER	2							
36	2	129155-51400	DEFLECTOR	1							
37	2	129155-51410	BOLT	1							
38	2	129155-51420	PLUG, M16	1							
39	2	129155-51450	SHIM SET, ADJUSTING	1							
44	2	129155-51500	RACK, CONTROL	1							
45	2	129155-51521	BUSH, RACK	1							
46	2	129155-51530	SPACER	1							
47	2	129155-51540	CIRCLIP	1							
48	2	129155-51550	PINION, CONTROL	3							
49	2	129100-51560	PINION	3							
50	2	129100-51570	SCREW	3							
51	2	129155-51570	PLUG, M12	1							
52	2	129155-51580	O-RING	1							
53	2	129155-51591	SPRING, RACK	1							
54	2	129155-51600	SHIM SET, ADJUSTING	3							
73	2	129155-51701	COVER	1							
74	2	129155-51711	GASKET	1							
75	2	129155-51751	COVER	1							
76	2	129155-51760	GASKET	1							
77	2	129155-51790	STOOPER, RACK	1							
78	2	129156-51910	LABEL, CAUTION	1							
79	2	129155-51930	SPACER, T=3.25	1							
80	2	129155-51940	SPACER, T=1.5	1							
81	2	129208-54500	FLANGE ASSY	1							
83	3	22217-120000	WASHER, SPRING 12	1							
84	3	26716-120002	NUT, M12	1							
85	2	22190-160002	WASHER, SEAL 16	1							
86	2	22217-050000	WASHER, SPRING 5	2							
87	2	22217-060000	WASHER, SPRING 6	2							

Fig.11. FUEL INJECTION PUMP

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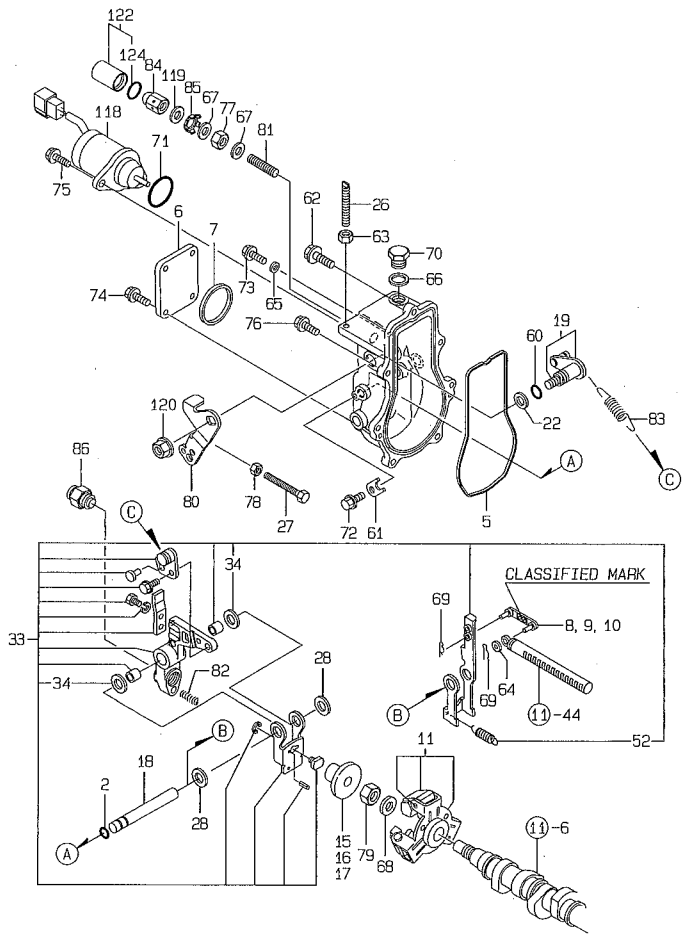


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
88	2	22351-050010	PIN, SPRING 5.0X10	2							
89	2	24101-063034	BEARING, BALL 6303	1							
90	2	24341-000160	O-RING, 1AS16.0	1							
91	2	26022-050122	SCREW, M5X12	8							
92	2	26022-060162	SCREW, M6X16	4							
93	2	26116-050302	BOLT, M5X 30 PLATED	2							
94	2	26716-060002	NUT, M6	2							
97	2	129155-52050	GASKET	1							
98	2	129100-52100	PUMP ASSY, FUEL FEED	1							

Remarks
(1) GOVERNOR(FIG.NO.12)IS INCORPORATED IN THIS FUEL INJECTION PUMP.
(REF.NO.1).

Fig.12. GOVERNOR

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3TNE88-ECR



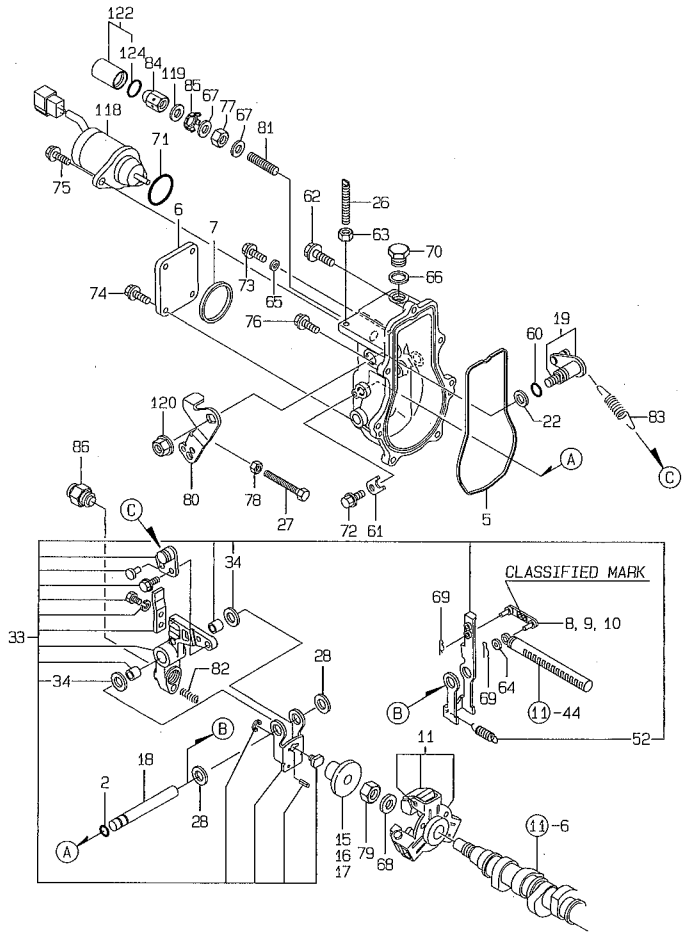
Remarks
(1) SELECTIVE PARTS: CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REFER TO ILLUSTRATION).
(2) SELECTIVE PARTS.
* THIS FIGURE(GOVERNOR ASSY)IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY(FIG.11).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	129155-51280	O-RING, S6	1							
5	2	129052-61050	GASKET	1							
6	2	129052-61060	COVER, GOVERNOR CASE	1							
7	2	129052-61070	GASKET	1							
8	2	129155-61120	LINK, L=30 MARK 0	1							1
9	2	129155-61130	LINK, L=31 MARK 1	1							1
10	2	129155-61140	LINK, L=30.5 MARK 05	1							1
11	2	129486-61201	WEIGHT ASSY,GOVERNOR	1							
15	2	129155-61341	SLEEVE	1							2
16	2	129155-61350	SLEEVE, L=24.9	1							2
17	2	129155-61360	SLEEVE, L=25.2	1							2
18	2	129052-61390	SHAFT	1							
19	2	129100-61400	SHAFT ASSY	1							
22	2	129155-61430	SPACER	1							
26	2	129155-61450	BOLT, LIMITER	1							
27	2	129155-61460	BOLT, IDLE	1							
28	2	129155-61480	SPACER ASSY	2							
33	2	119908-61501	LEVER ASSY, GOVERNOR	1							
34	3	174307-51700	SHIM SET	2							
52	3	129486-61540	SPRING, SET	1							
60	2	129155-61830	O-RING, S10	1							
61	2	119660-61901	RETAINER, SHAFT	1							
62	2	129155-61950	BOLT	1							
63	2	124550-66370	NUT, M6	1							
64	2	22117-040000	WASHER, 4	1							
65	2	22190-060003	SEAL WASER 6	1							
66	2	22190-100002	WASHER, SEAL 10	1							
67	2	22190-120002	WASHER, SEAL 12	2							
68	2	22287-120000	WASHER, 12	1							
69	2	22372-040000	PIN, SNAP 4	2							
70	2	23887-100002	PLUG, 10	1							
71	2	24341-000280	O-RING, 1AS28.0	1							
71-1	2	158552-61900	O-RING	1							N
(A=EXXXXX)											
72	2	26106-060102	BOLT, M6X 10 PLATED	1							
73	2	26106-060102	BOLT, M6X 10 PLATED	1							
74	2	26106-060102	BOLT, M6X 10 PLATED	4							
75	2	26106-060142	BOLT, M6X 14 PLATED	2							
76	2	26106-060202	BOLT, M6X 20 PLATED	6							
77	2	26736-120002	NUT, M12	1							
78	2	26756-060002	NUT, LOCK M6	1							
79	2	26776-120002	NUT, LOCK M12	1							
80	2	129100-61440	LEVER, CONTROL	1							
81	2	120323-61470	BOLT, CONTROL	1							
82	2	129100-61650	SPRING, CONTROLLER	1							
83	2	171353-61700	SPRING, GOVERNOR	1							
84	2	129209-61930	NUT, CAP	1							
85	2	129209-61970	PLATE	1							
86	2	119600-66720	ANGLEICH ASSY	1							
118	2	119653-77950	SOLENOID, STOP	1							
119	2	23414-120016	GASKET, 12X1.0	1							

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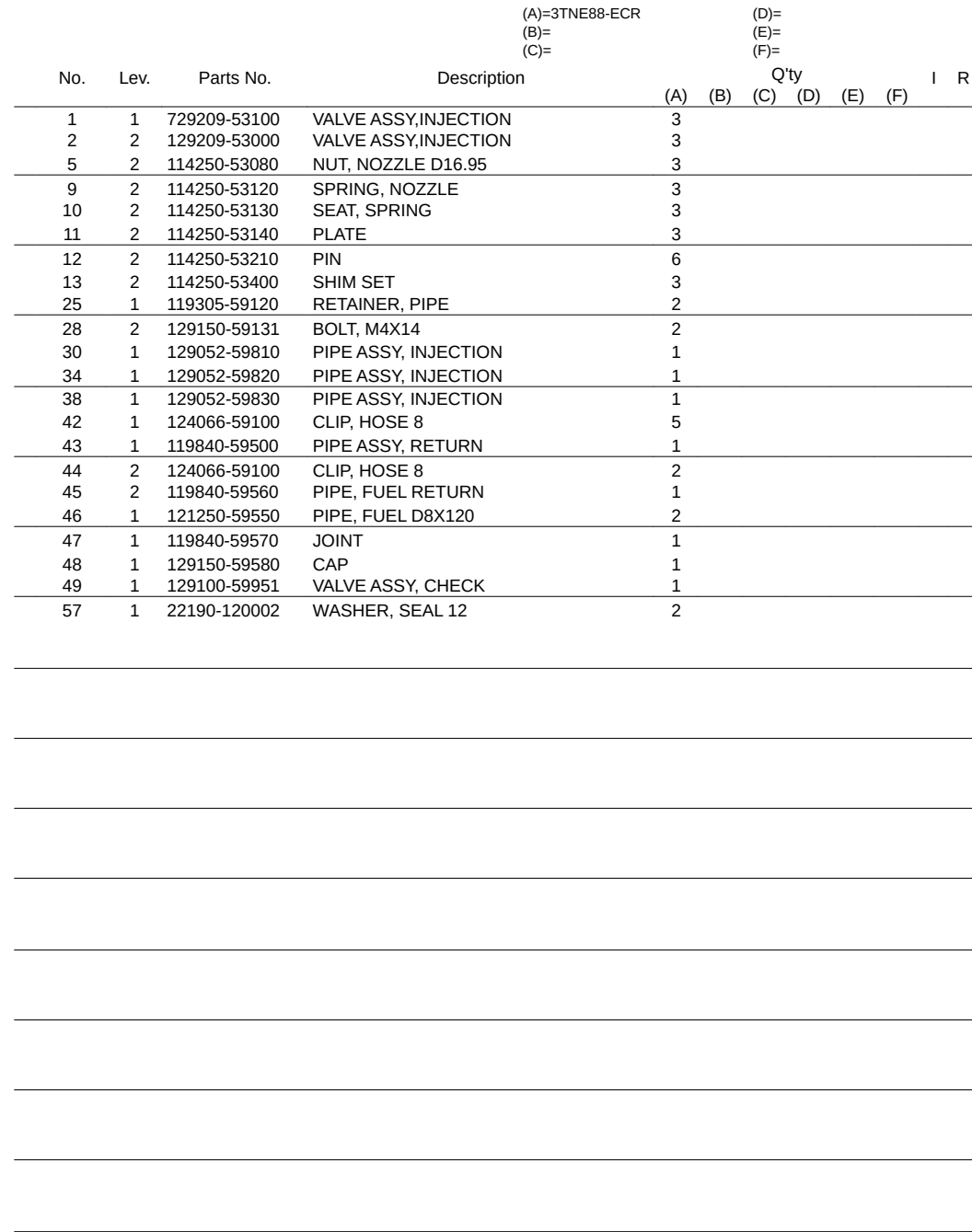
Fig.12. GOVERNOR

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Remarks
(1) SELECTIVE PARTS: CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REFER TO ILLUSTRATION).
(2) SELECTIVE PARTS.
* THIS FIGURE(GOVERNOR ASSY)IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY(FIG.11).

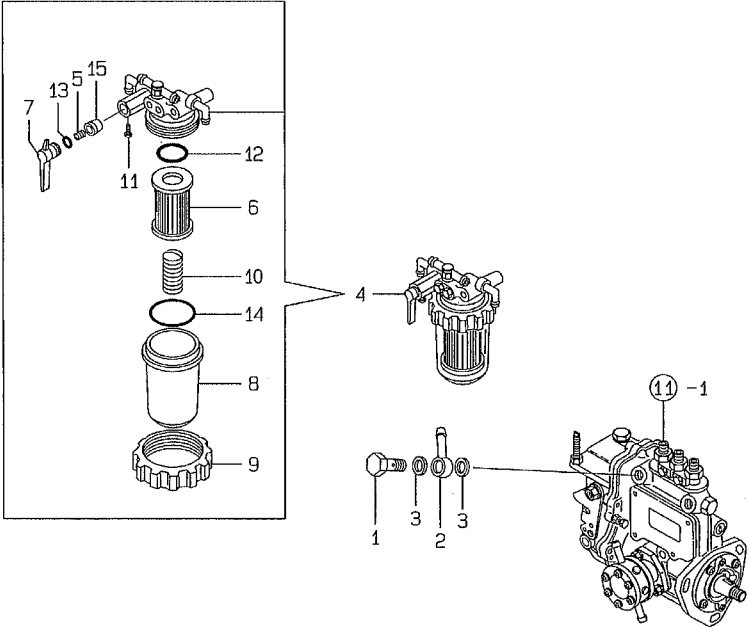
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
120	2	26366-080002	NUT, M8	1							
122	1	129209-61940	CASE ASSY	1							
124	2	24311-000150	O-RING, 1AP15.0	1							



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Fig.14. FUEL LINE

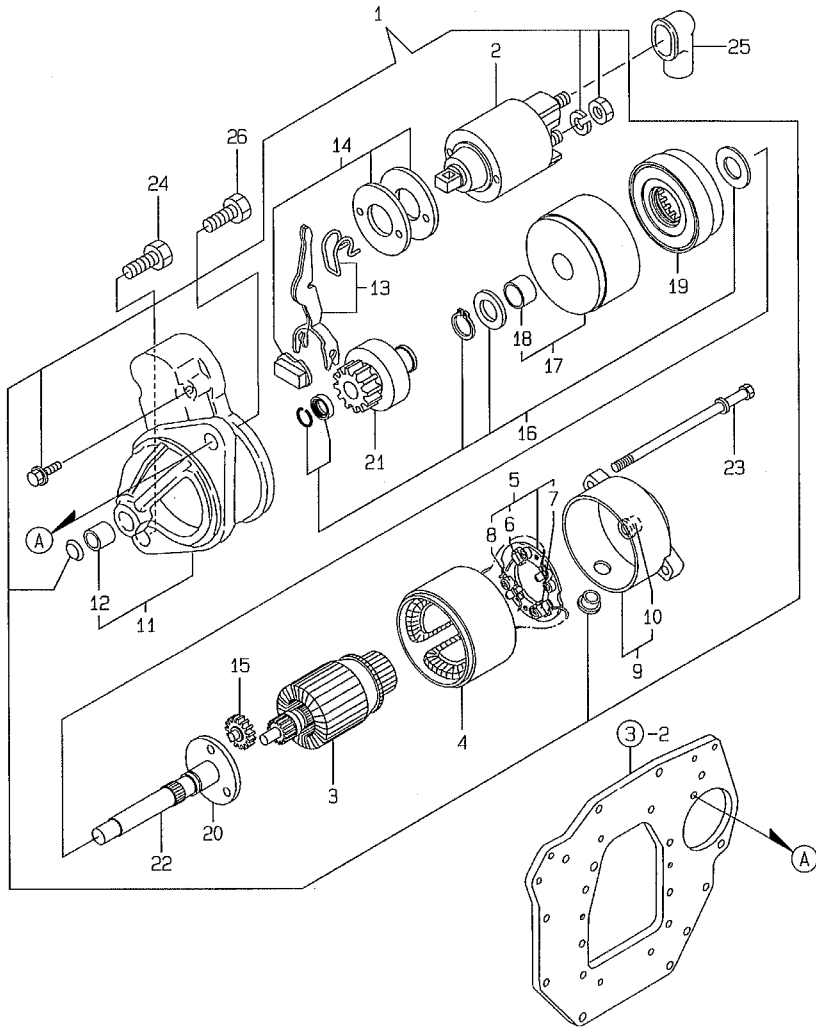
Y00V7810
3TNE88-ECR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	103854-39140	BOLT, PIPE JOINT	1							
2	1	101304-59020	JOINT, PIPE 12	1							
3	1	22190-120002	WASHER, SEAL 12	2							
4	1	129052-55620	FILTER ASSY, FUEL	1							
5	2	104200-55330	SPRING, VALVE	1							
6	2	129100-55650	ELEMENT	1							
7	2	129100-55670	LEVER	1							
8	2	129100-55680	CUP, STRAINER	1							
9	2	129100-55690	RING, RETAINING	1							
10	2	129100-55700	SPRING	1							
11	2	104200-55750	SCREW, M4	1							
12	2	24311-000160	O-RING, 1AP16.0	1							
13	2	24311-240100	O-RING, 1AP10A	1							
14	2	24321-000650	O-RING, 1AG65.0	1							
15	2	104200-55321	VALVE, TAPER	1							

Fig.15. STARTING MOTOR

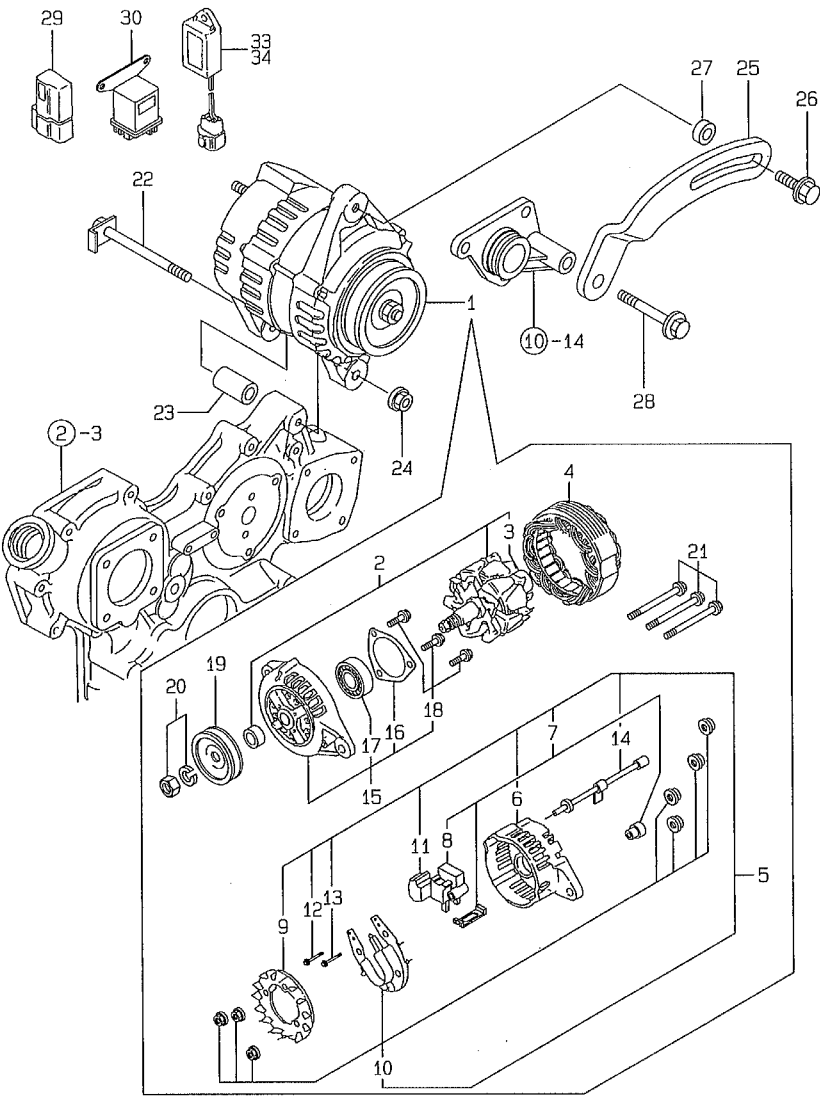
Y00V7810
3TNE88-ECR



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129608-77010	STARTER, S114-817A	1							
2	2	129698-77020	SWITCH ASSY	1							
3	2	129698-77101	ARMATURE ASSY	1							
4	2	129608-77110	YOKE ASSY	1							
5	2	129698-77120	HOLDER ASSY, BRUSH	1							
6	3	129698-77140	BRUSH SET	1							
7	3	129698-77130	BRUSH	2							
8	3	129698-77150	SPRING, BRUSH	4							
9	2	129698-77161	COVER ASSY	1							
10	3	129698-77170	BEARING	1							
11	2	129698-77260	CASE ASSY	1							
12	3	X2114535200	METAL, STARTER	1							
13	2	129698-77270	LEVER SET, SHIFT	1							
14	2	129698-77280	COVER KIT	1							
15	2	129698-77240	GEAR	3							
16	2	129698-77250	WASHER SET	1							
17	2	129698-77180	BRACKET	1							
18	3	129698-77190	BRACKET	1							
19	2	129698-77200	GEAR, INTERNAL	1							
20	2	129698-77210	BRACKET	1							
21	2	129698-77220	PINION ASSY	1							
22	2	129698-77230	SHAFT	1							
23	2	124195-77770	BOLT, THROUGH	2							
24	1	26116-120202	BOLT, M12X 20 PLATED	1							
25	1	124550-77030	COVER, TERMINAL	1							
26	1	129155-77060	BOLT	1							

Fig.16. GENERATOR

Y00V7810
3TNE88-ECR

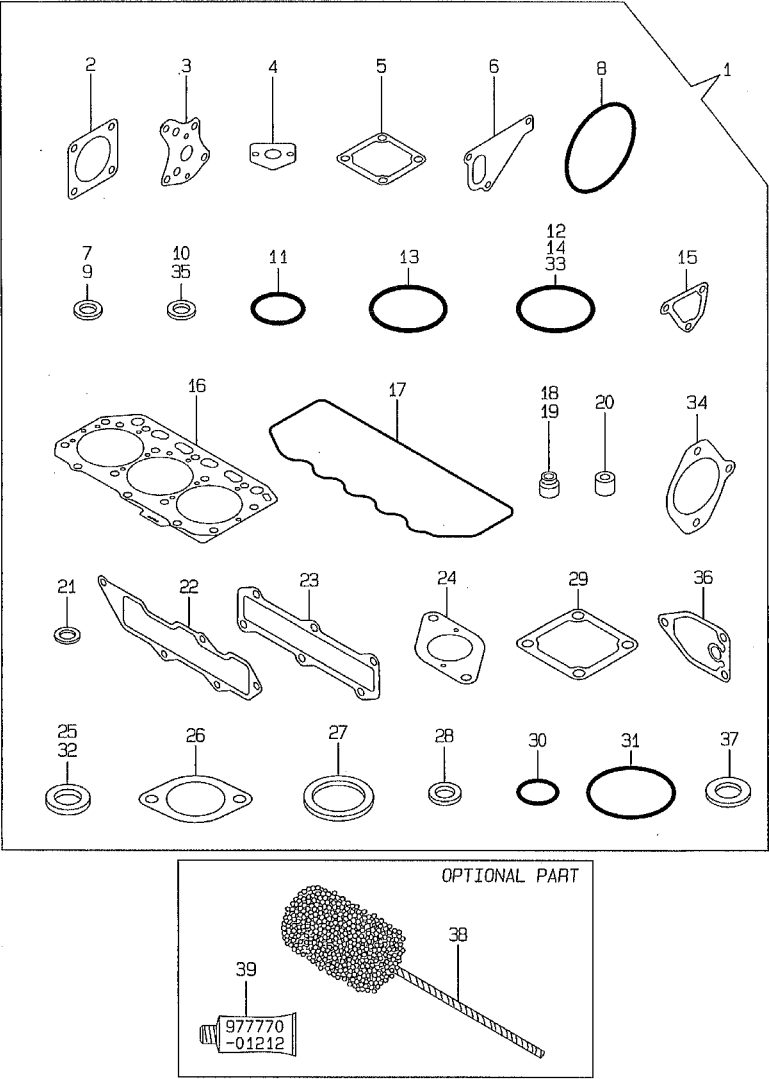


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119836-77200	GENERATOR	1							
2	2	119836-77700	ROTOR ASSY	1							
3	3	119836-77850	BALL BEARING	1							
4	2	119836-77710	STATOR ASSY	1							
5	2	119836-77721	COVER ASSY, REAR	1							
6	3	119836-77730	COVER, REAR	1							
7	3	119836-77741	BRUSH ASSY,REGULATOR	1							
8	4	119836-77750	BRUSH ASSY	1							
9	3	119836-77760	GUIDE, FAN SIDE	1							
10	3	119836-77770	DIODE ASSY	1							
11	3	119836-77780	CONDENSER	1							
12	3	119836-77871	BOLT (1)	1							
13	3	119836-77880	BOLT (2)	1							
14	3	119836-77890	WIRE ASSY, LEAD	1							
15	2	119836-77790	COVER ASSY, FRONT	1							
16	3	119836-77800	RETAINER, BEARING	1							
17	3	119836-77840	BALL BEARING	1							
18	3	119836-77860	SCREW KID	1							
19	2	119836-77810	PULLEY	1							
20	2	119836-77820	NUT ASSY, PULLEY	1							
21	2	119836-77830	BOLT, THROUGH	1							
22	1	129136-77251	BOLT, M8X110	1							
23	1	119820-77340	PIECE, DISTANCE	1							
24	1	129612-77260	NUT, ALTERNATOR	1							
25	1	129051-77330	ADJUSTER	1							
26	1	119810-77340	BOLT, ADJUSTER	1							
27	1	106500-44810	SPACER	1							
28	1	26106-080502	BOLT, M8X 50 PLATED	1							
29	1	119643-66900	DIODE	1							
30	1	119650-77910	RELAY ASSY, GLOW	1							
33	1	128300-77920	TIMER	1							
34	1	129211-77920	TIMER	1							

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Fig.17. GASKET SET

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No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729030-92770	GASKET SET	1							1
2	2	124240-01883	GASKET	1							
3	2	129150-32020	GASKET, PUMP	1							
4	2	129150-35041	GASKET	1							
5	2	129100-77510	GASKET	1							
6	2	129486-42021	GASKET, WATER PUMP	1							
7	2	22190-080003	WASHER, SEAL 8	5							
8	2	121850-51960	O-RING	1							
9	2	22190-080002	WASHER, SEAL 6	2							
10	2	22190-100002	WASHER, SEAL 10	2							
11	2	24311-000160	O-RING, 1AP16.0	3							
12	2	24341-000500	O-RING, 1AS50.0	1							
13	2	24341-000240	O-RING, 1AS24.0	1							
14	2	24311-000320	O-RING, 1AP32.0	2							
15	2	124395-49840	GASKET	1							
16	2	129001-01340	GASKET, HEAD	1							
17	2	129150-11310	GASKET, BONNET	1							
18	2	121400-11340	SEAL, VALVE STEM	3							
19	2	124460-11340	SEAL, VALVE STEM	3							
20	2	119625-11870	PROTECTOR, NOZZLE	3							
21	2	119625-11880	SEAT, NOZZLE	3							
22	2	129001-12110	GASKET, MANIFOLD	1							
23	2	129001-13110	GASKET	1							
24	2	129107-13540	GASKET, SILENCER	1							
25	2	124465-44950	GASKET, 16	1							
26	2	129795-49551	GASKET	1							
27	2	129150-49811	GASKET, THERMOSTAT	1							
28	2	22190-120002	WASHER, SEAL 12	4							
29	2	129150-77511	GASKET	1							
30	2	24311-000120	O-RING, 1AP12.0	3							
31	2	129486-42140	O-RING, G30	1							
32	2	22190-160002	WASHER, SEAL 16	1							
33	2	24321-000850	O-RING, 1AG85.0	1							
34	2	171353-26081	GASKET	1							
35	2	129150-49360	GASKET	1							
36	2	129150-35111	GASKET	1							
37	2	129155-52050	GASKET	1							
38	1	129400-92420	HONE	1							1
39	1	977770-01212	GASKET, LIQUID	1							1

Remarks
(1) OPTIONAL PART.

Parts No. Index

Parts No.	Fig. No.	Ref. No.
101304-59020	14	2
103854-39140	14	1
104200-55321	14	15
104200-55330	14	5
104200-55750	14	11
105425-01690	3	6
106500-44810	16	27
114250-53080	13	5
114250-53120	13	9
114250-53130	13	10
114250-53140	13	11
114250-53210	13	12
114250-53400	13	13
119305-59120	13	25
119600-66720	12	86
119625-11870	4	33
	17	20
119625-11880	4	34
	17	21
119625-11900	4	35
119643-66900	16	29
119650-77910	16	30
119653-77950	12	118
119660-61901	12	61
119810-77340	16	26
119820-77340	16	23
119836-77200	16	1
119836-77700	16	2
119836-77710	16	4
119836-77721	16	5
119836-77730	16	6
119836-77741	16	7
119836-77750	16	8
119836-77760	16	9
119836-77770	16	10
119836-77780	16	11
119836-77790	16	15
119836-77800	16	16
119836-77810	16	19
119836-77820	16	20
119836-77830	16	21
119836-77840	16	17
119836-77850	16	3
119836-77860	16	18
119836-77871	16	12
119836-77880	16	13
119836-77890	16	14
119840-59500	13	43
119840-59560	13	45
119840-59570	13	47

Parts No.	Fig. No.	Ref. No.
119865-21600	8	16
119865-42290	10	19
119908-61501	12	33
120130-11860	4	20
120323-61470	12	81
121023-01550	2	24
121023-26070	7	21
121250-44901	10	30
121250-59550	13	46
121252-39450	9	40
121267-44760	10	22
121400-11340	4	30
	17	18
121450-01560	2	2
121550-23200	8	30
121850-21680	8	11
121850-51960	2	16
	17	8
122710-51090	11	9
124066-59100	13	42
		44
124160-01751	2	12
	4	61
124160-01910	1	8
124160-11360	4	41
124160-21501	8	12
124160-39140	9	30
124195-77770	15	23
124240-01871	2	13
	7	1
124240-01883	7	2
	17	2
124250-49351	10	32
124395-49840	10	16
	17	15
124460-11340	4	31
	17	19
124465-44950	10	31
	17	25
124550-01590	2	6
		9
124550-51350	11	31
124550-51370	11	32
124550-59820	9	36
124550-59830	9	35
124550-66370	12	63
124550-77030	15	25
124736-07900	4	2
124950-51190	11	16
128300-77920	16	33

Parts No.	Fig. No.	Ref. No.
129001-01250	1	7
129001-01340	1	31
	17	16
129001-02930	1	27
129001-12110	5	1
	17	22
129001-12120	5	2
129001-13110	6	1
	17	23
129001-21100	8	1
129001-22070	8	17
129001-22500	8	19
129001-22930	8	33
129001-22950	8	35
129001-32001	9	1
129001-35300	9	26
129001-42003	10	1
129001-42040	10	14
129001-91841	2	17
	3	12
129001-91910	3	13
129051-11700	4	16
129051-21570	8	13
129051-21660	8	9
129051-77330	16	25
129052-13150	6	2
129052-34800	9	16
129052-55620	14	4
129052-59810	13	30
129052-59820	13	34
129052-59830	13	38
129052-61050	12	5
129052-61060	12	6
129052-61070	12	7
129052-61390	12	18
129100-01580	3	1
		15
	8	2
129100-01640	3	16
129100-11100	4	26
129100-11110	4	27
129100-23910	8	29
129100-25061	7	13
129100-51560	11	49
129100-51570	11	50
129100-52100	11	98
129100-55650	14	6
129100-55670	14	7
129100-55680	14	8
129100-55690	14	9

Parts No.	Fig. No.	Ref. No.
129100-55700	14	10
129100-59951	13	49
129100-61400	12	19
129100-61440	12	80
129100-61650	12	82
129100-77500	5	6
129100-77510	5	7
	17	5
129107-13540	6	8
	17	24
129126-01550	3	4
129126-01700	3	9
129129-01540	3	5
129129-01600	3	2
129129-14580	7	6
129129-35010	9	19
129129-35080	9	20
129129-35090	9	18
129136-77251	16	22
129150-01200	1	30
129150-02020	1	10
129150-02450	7	7
129150-02870	1	35
129150-02930	1	24
129150-02940	1	32
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