

0CE10-M26900EN

P R E F A C E

1. This parts catalog is the 1st edition of Yanmar diesel engine 3TNE68 - GH~4TNE84T - GH.

Pub. No. : 000Y00E2690

Published : Oct., 1997

2. Model name

SECTION	ENGINE MODEL	Fig. No.	GENERATOR MODEL	
I	3TNE68 - GH	1 ~ 20	YAP15G	TYGP - 15G
II	3TNE78A - GH	21 ~ 40	YAP24G	TYGP - 24G
III	3TNE84 - GH	41 ~ 60	YAP30G	TYGP - 30G
IV	3TNE84T - GH	61 ~ 82	YAP35G	TYGP - 35G
V	4TNE84T - GH	83 ~ 104	YAP47G	TYGP - 47G

3. Your understanding is asking that this parts catalog is not a technical data manual setting forth as servicing procedures, This parts catalog is using simplified illustration. Be sure to use Yanmar Genuine Parts in your maintenance servicing of Yanmar products. Be careful not to use the simple parts available in the market ; otherwise their use in repairing causes such as an early breakage, for instance.

Directions for the Parts Catalog.

1. This Parts Catalog shows both standard and optional parts.
2. Parts may change without prior notice.
3. The following is an example of the Parts Catalog format.

OCF10-G21601 29. FUEL INJECTION PUMP(W/BOOST)										
REF.	LEV.	PARTS NO.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)	
1	1	729595-51390	FUEL INJECTION PUMP	1	1	1	1	1		1
1-1	1	729595-51391	FUEL INJECTION PUMP	1	1	1	1	1	N	1
		(A=E00185) (B=E00200)								
3	2	26022-060162	SCREW M 6X 16	9	9	9	9	9		
3-1	2	26022-060162	SCREW M 6X 16	4	4	4	4	4	K	
		(A=E00156) (B=E00156) (C=E00156) (D=E00156) (E=E00156)								
4	2	129470-51040	CAMSHAFT	1	1	1	1	1		
5	2	122710-51050	BEARING, ROLLER	2	2	2	2	2		
6	2	129470-51060	RETAINER	1	1	1	1	1		

Remarks

(1) BOOST 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.

List Ref No.

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

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

② Lev. (Level)

Level indication

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

1 ---- Main parts (Assembly parts)

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

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

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

③ Interchangeability Symbol

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

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

④ Effective Machine No.

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

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

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

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

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

⑤ Remarks

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

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

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ENGINE SECTION

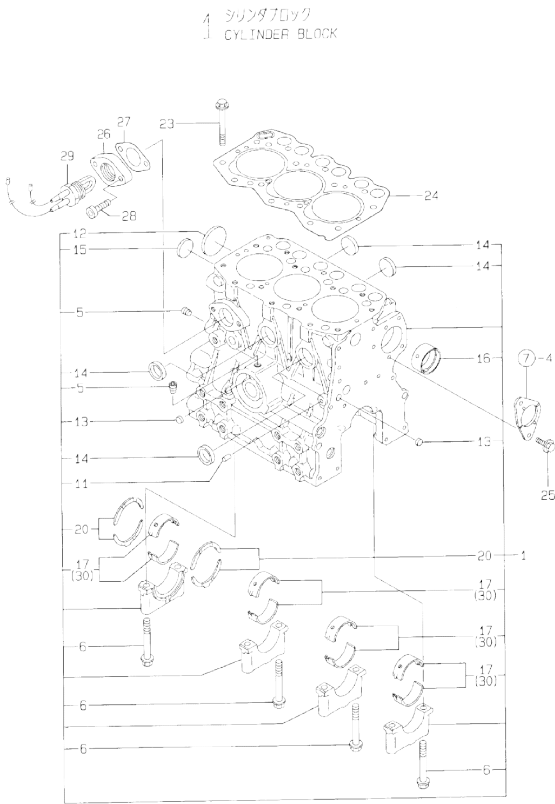
83.	CYLINDER BLOCK
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100.	ENGINE STOP DEVICE		
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102.	TENSION PULLEY		
103.	ELECTRIC PARTS		
104.	GASKET SET		

Fig.1. CYLINDER BLOCK



(A)=3TNE68-GH
(B)=
(C)=

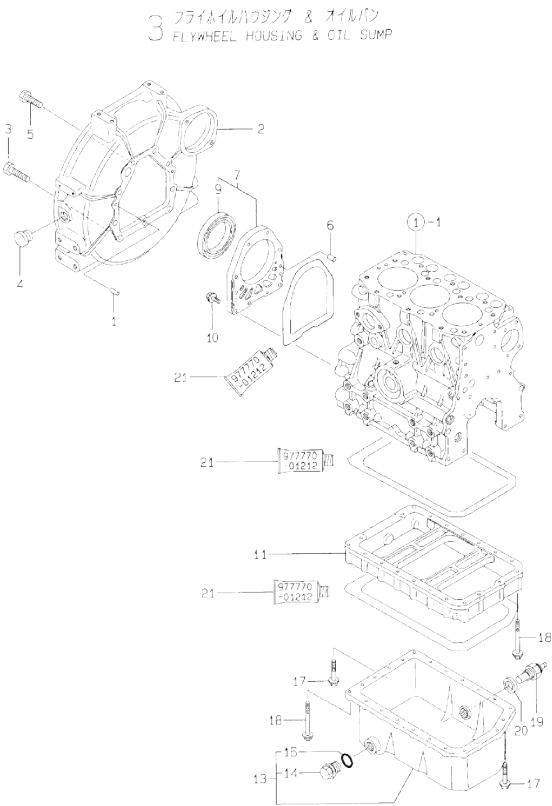
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719215-01560	BLOCK ASSY, CYLINDER	1							
5	2	124060-01050	PLUG, PT1/8	2							
6	2	119260-02020	BOLT, METAL CAP	8							
11	2	27221-060100	PLUG, 6X10	1							
12	2	27231-400000	PLUG 40	1							
13	2	27241-100000	PLUG, 10	2							
14	2	27241-250000	PLUG, 25	4							
15	2	27241-300000	PLUG 30	1							
16	2	119260-02410	BUSH, CAMSHAFT	1							
16-1	2	119266-02410	BUSH	1							R
(A=E27102)											
17	2	719260-02800	BEARING, MAIN	4							
20	2	719260-02930	BEARING, THRUST	2							
23	1	119260-01200	BOLT, HEAD	14							
24	1	119265-01340	GASKET, HEAD	1							
24-1	1	119265-01341	GASKET, HEAD	1							N
(A=E21233)											
25	1	26106-060122	BOLT, M6X 12 PLATED	2							
26	1	119621-11950	BRACKET	1							
27	1	119621-11960	GASKET	1							
28	1	26450-080182	BOLT, M8X 18	2							
29	1	46150-504600	HEATER	1							
29-1	1	124097-77900	HEATER, COOLING WATER	1							N
(A=E78856)											
30	1	719260-02870	BEARING, 0.25 US	4							1

Remarks

(1) UNDER-SIZE(U.S=0.25)PART.

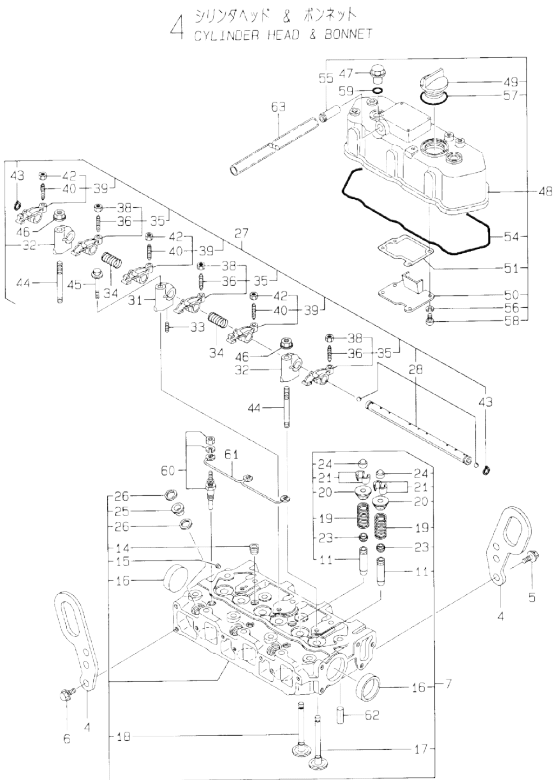
Fig.3. FLYWHEEL HOUSING & OIL SUMP



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	119600-01600	HOUSING, FLYWHEEL	1							
3	1	121120-01620	BOLT, M10X28	3							
4	1	119620-01750	CAP	1							
5	1	26206-100252	BOLT, M10X 25 PLATED	6							
6	1	119620-01620	PIN, M6X10	2							
7	1	119660-01640	CASE ASSY, OIL SEAL	1							
9	2	124085-02220	SEAL, OIL	1							
10	1	26106-060222	BOLT, M6X 22 PLATED	10							
11	1	119454-01721	SPACER, OIL SUMP	1							
13	1	119248-01770	SUMP ASSY, OIL	1							
14	2	121400-01640	PLUG, 16	1							
16	2	24311-000180	O-RING, 1AP18.0	1							
17	1	26106-060102	BOLT, M6X 10 PLATED	3							
18	1	26106-060452	BOLT, M6X 45 PLATED	20							
19	1	121470-44900	SENSOR	1							
20	1	124465-44950	GASKET, 16	1							
21	1	977770-01212	GASKET, LIQUID	1							1

Fig.4. CYLINDER HEAD & BONNET

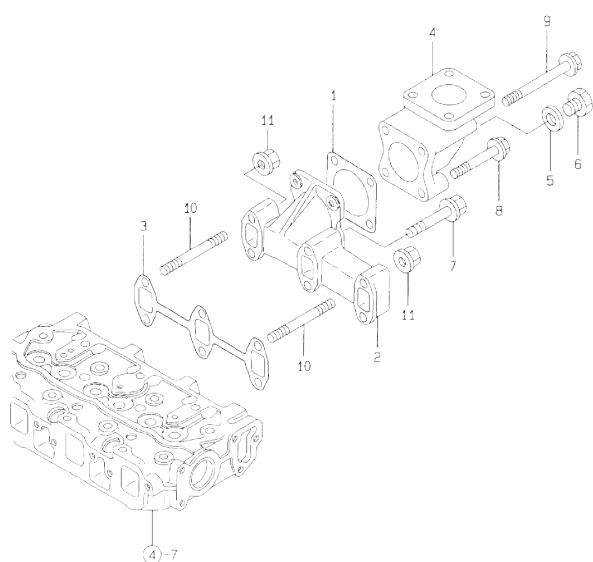


Remarks
(1) REPAIR PART.

OCE10-M26900 Fig.4									
(A)=3TNE68-GH (D)= (E)= (F)=									
Q'ty									
(A) (B) (C) (D) (E) (F)									
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)
4	1	119260-07900	LIFTER	2					
5	1	26106-080142	BOLT, M8X 14 PLATED	1					
6	1	26106-080142	BOLT, M8X 14 PLATED	2					
7	1	119265-11700	HEAD ASSY, CYLINDER	1					1
11	2	119260-11800	GUIDE, VALVE	6					
14	2	23871-030000	PLUG, R03	2					
15	2	27221-050080	PLUG, 5X 8	1					
16	2	27241-350000	PLUG, 35	2					
17	2	119260-11100	VALVE, INTAKE	3					
18	2	119260-11110	VALVE, EXHAUST	3					
19	2	114250-11120	SPRING, VALVE	6					
20	2	114250-11180	RETAINER, SPRING	6					
21	2	714250-11570	COTTER ASSY	6					
23	2	119260-11340	SEAL, VALVE STEM	6					
24	2	119260-11370	CAP, VALVE	6					
25	2	119600-11450	PROTECTOR, NOZZLE	3					
26	2	119600-11460	GASKET, NOZZLE	6					
27	1	119260-11200	SUPPORT ASSY, ARM	1					
28	2	119260-11240	SHAFT ASSY, ROCKER	1					
31	2	119260-11260	SUPPORT, ROCKER ARM	1					
32	2	119265-11260	SUPPORT, ROCKER ARM	2					
33	2	119260-11270	SCREW	1					
34	2	119260-11280	SPRING	2					
35	2	719260-11650	ARM ASSY, ROCKER	3					
36	3	105010-11230	SCREW, VALVE ADJUST	3					
38	3	26756-060002	NUT, LOCK M6	3					
39	2	719260-11660	ARM ASSY, ROCKER	3					
40	3	105010-11230	SCREW, VALVE ADJUST	3					
42	3	26756-060002	NUT, LOCK M6	3					
43	2	22242-000100	RING, 10	2					
44	1	119620-11350	STUD	2					
45	1	26106-080452	BOLT, M8X 45 PLATED	1					
46	1	26366-080002	NUT, M8	2					
47	1	124160-11360	KNOB	2					
48	1	719260-11520	BONNET ASSY, HEAD	1					
49	2	124160-01751	COVER, FILLER	1					
50	2	119260-03020	PLATE, SHELTER	1					
51	2	119260-03031	GASKET	1					
54	2	119260-11310	GASKET, BONNET	1					
55	2	119620-11390	JOINT	1					
56	2	22217-050000	WASHER, SPRING 5	4					Z
(A=E31313)									
57	2	24311-000320	O-RING, 1AP32.0	1					
58	2	26557-050102	SCREW, M5X10	4					
58-1	2	22857-500100	SCREW, 5X10	4					R
(A=E31313)									
59	1	24311-000120	O-RING, 1AP12.0	2					
60	1	129795-77800	PLUG, GLOW	3					
61	1	119620-77820	CONNECTOR, GLOW PLUG	1					
62	1	22351-060012	PIN, SPRING 6.0X12	2					
63	1	23065-120500	PIPE, 12X 500	1					



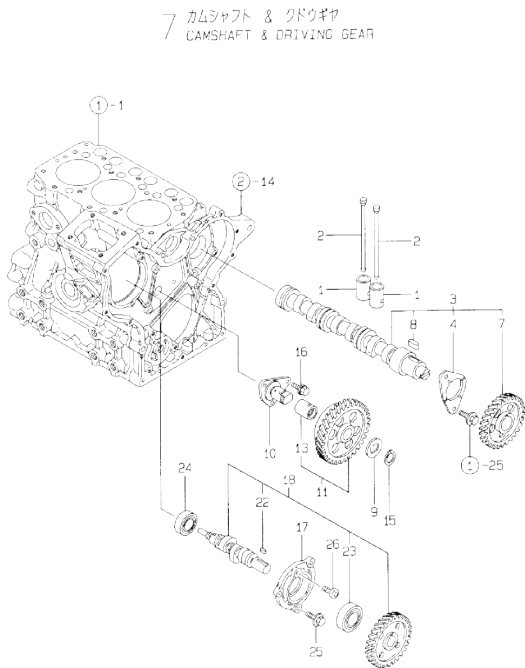
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119288-12050	JOINT, PIPE	1							
2	1	121521-12400	CAP, RAIN	1							
3	1	119688-12500	CLEANER ASSY, AIR	1							
4	2	119860-12510	ELEMENT	1							
5	2	119688-12540	CASE ASSY, CLEANER	1							
6	2	119860-12550	BOLT	1							
7	2	119860-12560	WASHER, SEAL	1							
8	1	119462-12550	PIPE, AIR INTAKE	1							
9	1	119288-12590	SUPPORT ASSY,CLEANER	1							
11	2	119640-12580	SEAT, RUBBER	2							
12	1	129136-12600	LABEL, AIR CLEANER	1							
13	1	23000-060000	CLAMP, 60	2							
14	1	26106-060122	BOLT, M6x 12 PLATED	2							
15	1	26106-080162	BOLT, M8x 16 PLATED	2							
16	1	26366-060002	NUT, M6	1							
17	1	119288-12100	MANIFOLD, AIR INTAKE	1							
18	1	119260-12111	GASKET, MANIFOLD	1							
19	1	26106-060202	BOLT, M6x 20 PLATED	4							



USE TO 4220000 Fig. 9

No.	Lev.	Parts No.	Description	Q'ty					I	R
				(A)	(B)	(C)	(D)	(E)		
1	1	124450-11900	GASKET	1						
2	1	119260-13100	MANIFOLD, EXHAUST	1						
3	1	119260-13110	GASKET	1						
4	1	171083-13300	BEND, EXHAUST 50A	1						
5	1	23414-170000	GASKET, 17X1.0	1						
6	1	23894-030002	PLUG, G3/8	1						
7	1	26106-060352	BOLT, M6X 35 PLATED	4						
8	1	26106-080452	BOLT, M8X 45 PLATED	2						
9	1	26106-080952	BOLT, M8X 95 PLATED	2						
10	1	26216-060402	STUD, M6X 40	2						
11	1	26366-060002	NUT, M6	2						

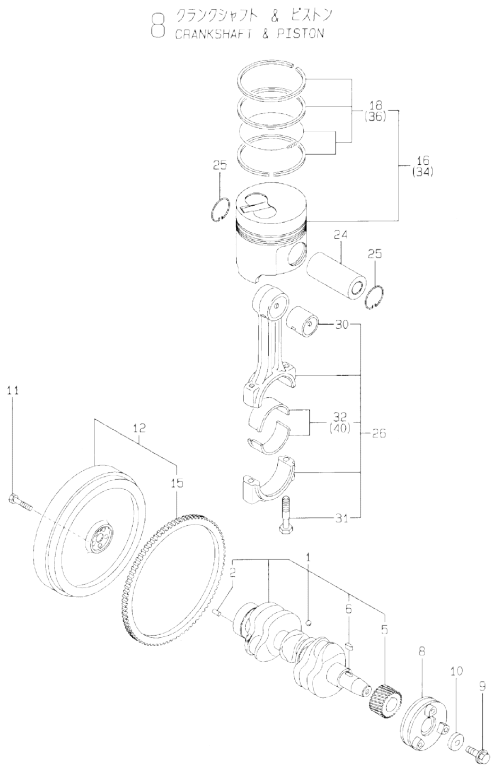
Fig.7. CAMSHAFT & DRIVING GEAR



Remarks
(1) REPAIR PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119260-14200	TAPPET	6							
2	1	119260-14400	ROD, PUSH	6							
3	1	119260-14580	CAMSHAFT ASSY	1							
4	2	119620-02450	BEARING, THRUST	1							
7	2	119260-14100	GEAR, CAMSHAFT	1							
8	2	22512-040120	KEY, 4X 12	1							
9	1	119660-25022	RETAINER	1							
10	1	119660-25052	SHAFT, IDLE	1							
11	1	119260-25100	GEAR ASSY, IDLE	1							
13	2	119620-25912	BUSH	1							1
15	1	22242-000200	RING, 20	1							
16	1	26106-060122	BOLT, M6X 12 PLATED	3							
17	1	119660-01821	BEARING, FUEL CAM	1							
18	1	119225-14200	CAM ASSY	1							
22	2	22512-040120	KEY, 4X 12	1							
23	2	24102-063034	BEARING, BALL 6303U	1							
24	1	24101-062034	BEARING, BALL 6203	1							
25	1	26106-060162	BOLT, M6X 16 PLATED	3							
26	1	26587-080102	SCREW, M8X10	1							

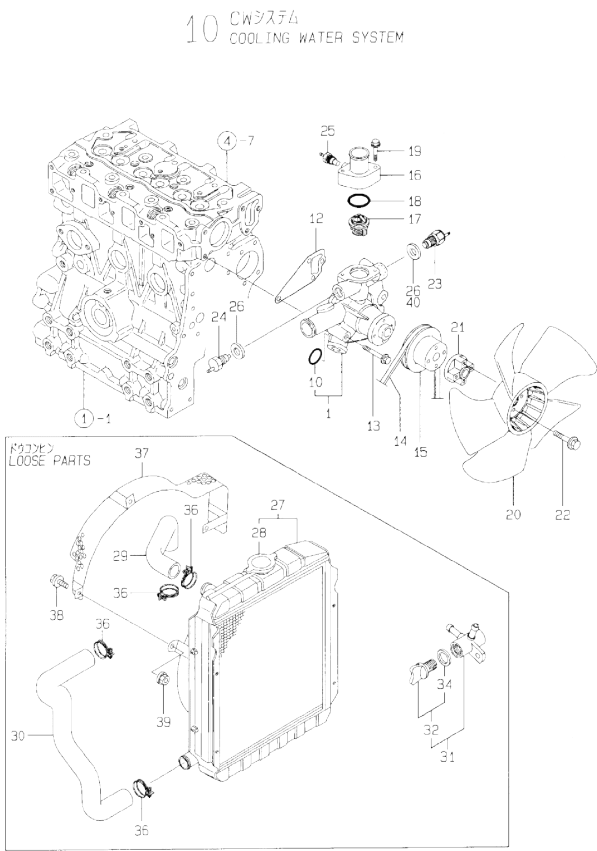
OCE10-M26900 ENGINE SECTION
Fig.8. CRANKSHAFT & PISTON



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

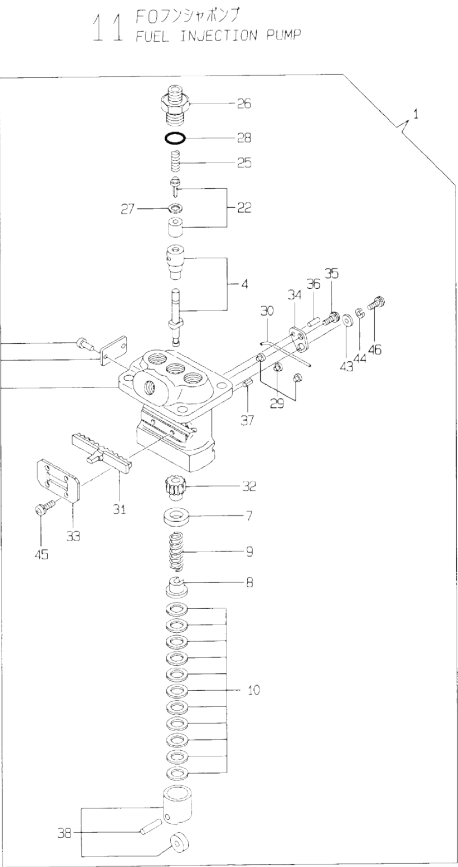
										OCE10-M26900 Fig.8	
										(A)=3TNE68-GH	(D)=
										(B)=	(E)=
										(C)=	(F)=
										Q'ty	
										(A)	(B)
										(C)	(D)
										(E)	(F)
										I R	
No.	Lev.	Parts No.	Description		(A)	(B)	(C)	(D)	(E)	(F)	I R
1	1	119265-21700	CRANKSHAFT ASSY		1						
2	2	129100-01580	PIN, M8X16		1						
5	2	119260-21200	GEAR, CRANKSHAFT		1						
6	2	22512-040120	KEY, 4X 12		1						
8	1	119260-21650	V-PULLEY		1						
9	1	119621-21680	BOLT, FLANGE 12X1.25		1						
10	1	119620-21941	WASHER		1						
11	1	121111-21501	BOLT, FLYWHEEL		5						
12	1	119600-21580	FLYWHEEL ASSY		1						
15	2	119865-21600	GEAR, RING		1						
16	1	119265-22090	PISTON ASSY		3						
18	2	119265-22500	RING SET, PISTON		3						
24	1	119265-22300	PIN, PISTON		3						
25	1	22252-000200	RING, 20		6						
26	1	119265-23100	ROD ASSY, CONNECTING		3						
30	2	119620-23910	BEARING, PISTON PIN		3						1
31	2	119265-23200	BOLT, CONNECTING ROD		6						
32	2	719260-23600	BEARING, CRANK PIN		3						
34	1	719265-22900	PISTON ASSY, 0.25 OS		3						2
36	2	719265-22950	RING SET, 0.25 OS		3						2
40	1	719260-23610	BEARING ASSY, 0.25		3						3

Fig.10. COOLING WATER SYSTEM



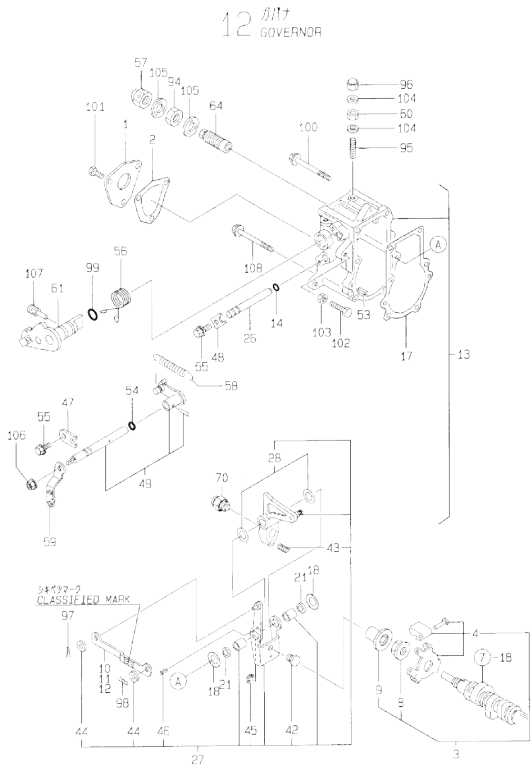
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119260-42001	PUMP ASSY, WATER	1							
1-1	1	119260-42002	PUMP ASSY, WATER	1							N
(A=E20368)											
10	2	119225-42320	O-RING	1							
12	1	119260-42020	GASKET, WATER PUMP	1							
13	1	26106-080452	BOLT, M8X 45 PLATED	3							
14	1	119256-42290	V-BELT, FM33.5	1							
15	1	119620-42350	V-PULLEY	1							
16	1	119248-49530	COVER, THERMOSTAT	1							
17	1	119260-49800	THERMOSTAT, 71	1							
18	1	24321-000350	O-RING, 1AG35.0	1							
19	1	26106-060402	BOLT, M6X 40 PLATED	2							
20	1	119265-44740	FAN, D=310X5F	1							
21	1	171353-44760	SPACER, FAN	1							
22	1	26106-060352	BOLT, M6X 35 PLATED	4							
23	1	121250-44901	SWITCH, 110	1							
24	1	171375-44900	SWITCH, 15	1							
25	1	171375-44910	SENSOR	1							
26	1	124465-44950	GASKET, 16	2							
26-1	1	124465-44950	GASKET, 16	1							K
(A=E23639)											
27	1	171340-44510	RADIATOR	1							
28	2	123682-44210	CAP, RADIATOR	1							
29	1	119688-49010	PIPE, WATER	1							
30	1	119645-49020	PIPE, WATER	1							
31	1	129150-49100	COCK ASSY, 3-WAY	1							
32	2	129150-49080	COCK, DRAIN	1							
34	3	119629-49080	GASKET	1							
36	1	23010-038000	CLAMP, 38	4							
37	1	171301-44560	PROTECTOR, FAN	1							
38	1	26013-080142	BOLT, M8X 14	3							
39	1	26366-080002	NUT, M8	3							
40	1	129150-49360	GASKET	1							W
(A=E23639)											

Fig.11. FUEL INJECTION PUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719225-51100	PUMP ASSY, INJECTION	1							
4	2	119225-51100	PLUNGER ASSY	3							
7	2	119620-51170	RETAINER, SPRING A	3							
8	2	119620-51180	RETAINER, SPRING B	3							
9	2	119620-51190	SPRING, PLUNGER	3							
10	2	119620-51250	SHIM SET	3							
22	2	119225-51300	VALVE ASSY, DELIVERY	3							
25	2	105546-51330	SPRING, DELIVERY	3							
26	2	119620-51340	HOLDER, DELIVERY	3							
27	2	119620-51350	GASKET	3							
28	2	119620-51370	O-RING	3							
29	2	119620-51450	PIECE	3							
30	2	119620-51461	PIN	1							
31	2	119660-51500	RACK, CONTROL	1							
32	2	119620-51510	PINION	3							
33	2	119660-51530	RETAINER, RACK	1							
34	2	119620-51650	PLATE	2							
35	2	119620-51660	SCREW	2							
36	2	119620-51670	PIN	2							
37	2	119620-51680	PIN	1							
38	2	119620-51700	TAPPET ASSY	3							
43	2	22137-040000	WASHER, 4	2							
44	2	22217-040000	WASHER, SPRING 4	2							
45	2	26022-040082	SCREW, M4X 8	4							
46	2	26587-040102	SCREW, M4X10	2							

Fig.12. GOVERNOR

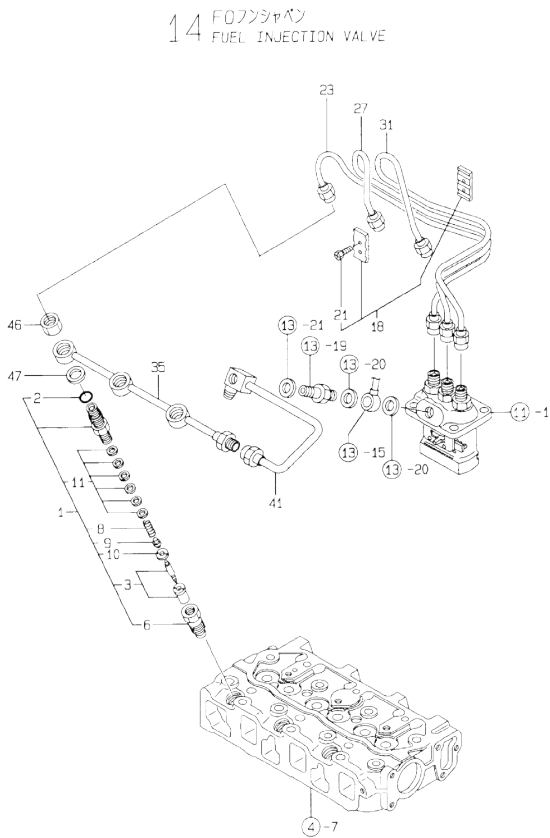


Remarks
(1) SELECTIVE PART:CERTAIN THE CLASSIFICATION MARK,THEN PLACE YOUR ORDER.(REFER TO ILLUSTRATION).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119660-61060	COVER, GOVERNOR CASE	1							
2	1	119660-61071	GASKET	1							
3	1	119600-61100	DRIVE ASSY	1							
4	2	119600-61200	WEIGHT ASSY,GOVERNOR	1							
8	2	119660-61300	NUT	1							
9	2	119660-61341	SLEEVE	1							
10	1	119660-61121	LINK, NO MARK	1							1
11	1	119660-61140	LINK, MARK :2	1							1
12	1	119660-61150	LINK, MARK :3	1							1
13	1	119270-61200	CASE ASSY, GOVERNOR	1							
14	2	129155-51280	O-RING, S6	1							
17	2	119660-61052	GASKET	1							
18	2	119660-61460	SHIM SET	1							
21	2	129155-61480	SPACER ASSY	2							
26	2	119660-61491	SHAFT	1							
27	2	119600-61500	LEVER ASSY, GOVERNOR	1							
28	3	174307-51700	SHIM SET	2							
42	3	119600-61541	SHIFTER	1							
43	3	119600-61650	SPRING, STARTING	1							
44	3	22117-040000	WASHER, 4	2							
45	3	22272-000040	RING, E- 4	1							
46	3	22351-030014	PIN, SPRING 3.0X14	1							
47	2	119600-61900	RETAINER, SHAFT	1							
48	2	119660-61901	RETAINER, SHAFT	1							
49	2	119621-66091	SHAFT ASSY	1							
53	2	22351-040010	PIN, SPRING 4.0X10	2							
54	2	24341-000070	O-RING, 1AS7.0	1							
55	2	26106-060102	BOLT, M6X 10 PLATED	2							
56	1	119600-66681	SPRING, RETURN	1							
57	1	129100-61930	NUT, CAP	1							
58	1	119260-66010	SPRING, REGULATOR	1							
59	1	119621-66051	LEVER, REGULATOR	1							
60	1	124550-66370	NUT, M6	1							
61	1	119248-66510	HANDLE, STOP	1							
64	1	119629-66510	LIMITER ASSY, FUEL	1							
70	1	119260-66720	ANGLEICH ASSY	1							
94	1	26776-120002	NUT, LOCK M12	1							
95	1	121575-66830	SCREW	1							
96	1	119600-66840	NUT, CAP	1							
97	1	22360-040000	PIN, SNAP 4	1							
98	1	22360-060000	PIN, SNAP 6	1							
99	1	24311-240100	O-RING, 1AP10A	1							
100	1	26106-060702	BOLT, M6X 70 PLATED	3							
101	1	26116-050102	BOLT, M5X 10 PLATED	3							
102	1	26116-060304	BOLT, M6X 30 PLATED	1							
103	1	26756-060002	NUT, LOCK M6	1							
104	1	22190-060003	SEAL WASER 6	2							
105	1	22190-120002	WASHER, SEAL 12	2							
106	1	194990-22050	NUT, M8	1							
107	1	124250-03640	SCREW	1							
108	1	26106-060752	BOLT, M6X 75 PLATED	2							

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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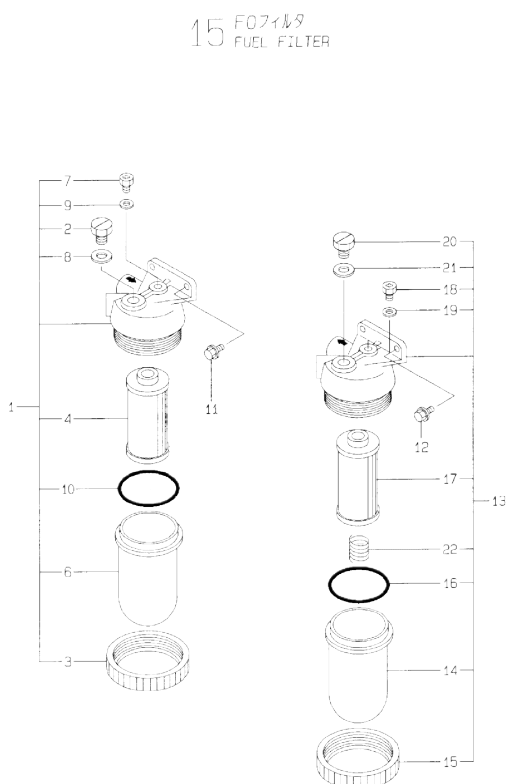
Fig.14. FUEL INJECTION VALVE



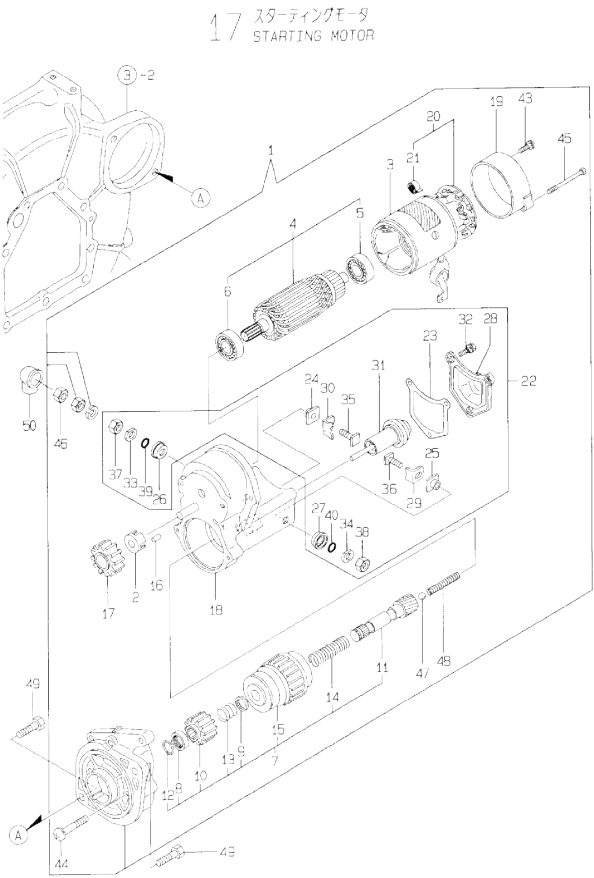
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719620-53700	VALVE ASSY,INJECTION	3							
2	2	129155-61830	O-RING, S10	3							
3	2	119620-53000	VALVE ASSY,INJECTION	3							
6	2	119620-53080	NUT, NOZZLE	3							
8	2	119620-53120	SPRING, NOZZLE	3							
9	2	114250-53130	SEAT, SPRING	3							
10	2	119620-53140	SPACER, VALVE STOP	3							
11	2	114250-53400	SHIM SET	3							
18	1	129150-59120	RETAINER, PIPE	1							
21	2	129150-59131	BOLT, M4X14	2							
23	1	119209-59810	PIPE ASSY, INJECTION	1							
27	1	119209-59820	PIPE ASSY, INJECTION	1							
31	1	119209-59830	PIPE ASSY, INJECTION	1							
35	1	119248-59550	PIPE ASSY, RETURN	1							
41	1	119248-59560	PIPE ASSY, RETURN	1							
46	1	119620-59700	NUT, NOZZLE	3							
47	1	23414-140000	GASKET, 14X1.0	3							

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

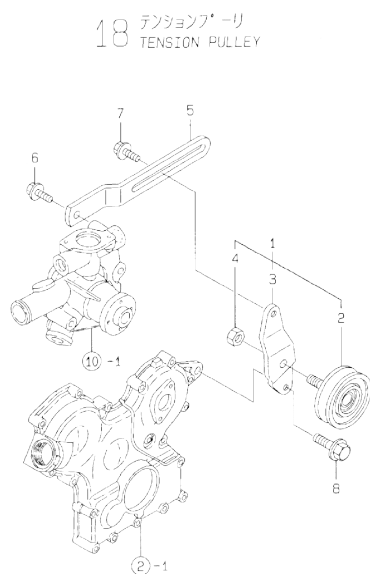
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	124790-55601	STRAINER ASSY, FUEL	1							
2	2	135210-51900	PLUG	1							
3	2	110250-55610	RING, RETAINING	1							
4	2	104500-55710	ELEMENT	1							
6	2	121370-55730	CUP, STRAINER	1							
7	2	101720-55750	PLUG, 6	1							
8	2	23414-080012	GASKET, 8X1.0	1							
9	2	23418-060000	GASKET, 6X1.0	1							
10	2	24341-000440	O-RING, 1AS44.0	1							
11	1	26106-060142	BOLT, M6X 14 PLATED	2							
12	1	26106-060142	BOLT, M6X 14 PLATED	2							
13	1	171081-55900	FILTER ASSY, PRE	1							
14	2	121370-55730	CUP, STRAINER	1							
15	2	110250-55610	RING, RETAINING	1							
16	2	103854-32050	O-RING	1							
17	2	171081-55910	SCREEN	1							
18	2	101720-55750	PLUG, 6	1							
19	2	23418-060000	GASKET, 6X1.0	1							
20	2	135210-51900	PLUG	1							
21	2	23414-080012	GASKET, 8X1.0	1							
22	2	121257-55720	SPRING	1							



OCE10-M26900 ENGINE SECTION
Fig.17. STARTING MOTOR

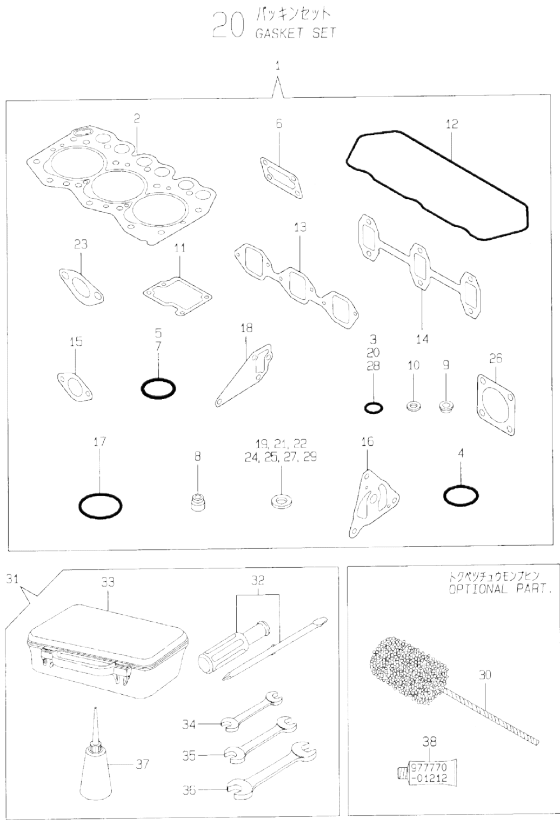


OCE10-M26900 Fig.17									
(A)=3TNE68-GH (D)= (B)= (E)= (C)= (F)=									
No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	119620-77011	STARTER	1					
2	2	X0280630011	RETAINER	1					
3	2	X0281003751	YOKE ASSY	1					
4	2	X0282001531	ARMATURE ASSY	1					
5	3	X9491001360	BEARING	1					
6	3	X9491001860	BEARING, BALL	1					
7	2	X0283005050	CLUTCH, STARTER	1					
8	3	X0280210230	NUT	1					
9	3	X0283270140	RETAINER	1					
10	3	X0283715030	PINION, STARTER	1					
11	3	X0283810040	SHAFT	1					
12	3	X9490721080	RING	1					
13	3	X9491703371	SPRING, COIL	1					
14	3	X9491704260	SPRING	1					
15	3	121120-77930	CASE ASSY, STARTER	1					
16	2	X0283060061	ROLLER	5					
17	2	X0283711420	PINION	1					
18	2	X0284004910	HOUSING	1					
19	2	X0285040631	FRAME ASSY	1					
20	2	X0285100460	HOLDER ASSY, BRUSH	1					
21	3	X9491730461	SPRING	4					
22	2	X0534006460	SWITCH	1					
23	3	X0534040320	GASKET	1					
24	3	X0534490120	BUSH	1					
25	3	X0534490120	BUSH	1					
26	3	X0534490230	BUSH	1					
27	3	X0534490230	BUSH	1					
28	3	X0535050620	COVER	1					
29	3	X0535130241	PLATE	1					
30	3	X0535130320	PLATE	1					
31	3	X0536600401	PLUNGER	1					
32	3	X9151005141	BOLT	3					
33	3	X9490170900	WASHER	1					
34	3	X9490170900	WASHER	1					
35	3	X9490441303	BOLT	1					
36	3	X9490441312	BOLT	1					
37	3	X9490502820	NUT	1					
38	3	X9490502820	NUT	1					
39	3	X9491402100	O-RING	1					
40	3	X9491402100	O-RING	1					
43	2	X9490071810	SCREW	2					
44	2	X9490071970	SCREW	2					
45	2	X9490423330	BOLT	2					
46	2	X9490561370	NUT	1					
47	2	X9491200240	BALL	1					
48	2	X9491703380	SPRING	1					
49	1	26116-120252	BOLT, M12X 25 PLATED	2					
50	1	124550-77030	COVER, TERMINAL	1					



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	171375-44300	PULLEY ASSY, TENSION	1							
2	2	171011-44301	PULLEY, TENSION	1							
3	2	171375-44320	BRACKET, PULLEY	1							
4	2	26706-100002	NUT, M10	1							
5	1	119660-77330	ADJUSTER	1							
6	1	26014-080252	BOLT, M8X 25	1							
7	1	26106-080182	BOLT, M8X 18 PLATED	1							
8	1	26106-100352	BOLT, M10X 35 PLATED	1							

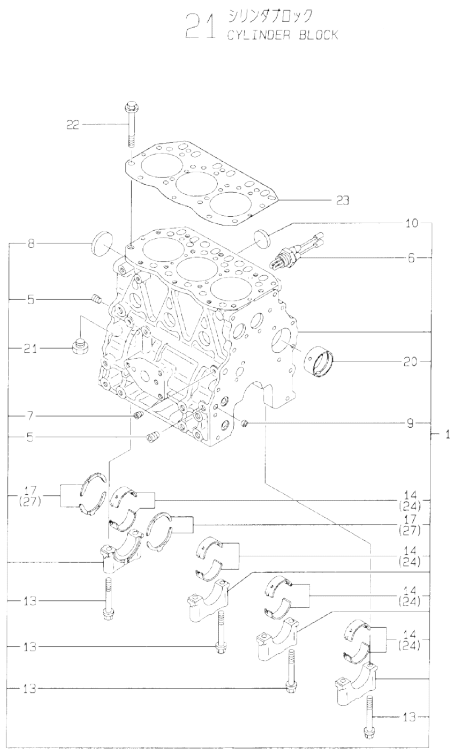
Fig.20. GASKET SET



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719215-92600	GASKET SET	1							1
2	2	119265-01340	GASKET, HEAD	1							
2-1	2	119265-01341	GASKET, HEAD	1						N	
(A=E21233)											
3	2	24311-000120	O-RING, 1AP12.0	5							
3-1	2	24311-000120	O-RING, 1AP12.0	4							K
(A=E31132)											
4	2	24311-000320	O-RING, 1AP32.0	2							
5	2	24341-000240	O-RING, 1AS24.0	1							
6	2	119660-01562	GASKET	1							
7	2	24311-000180	O-RING, 1AP18.0	1							
8	2	119260-11340	SEAL, VALVE STEM	6							
9	2	119600-11450	PROTECTOR, NOZZLE	3							
10	2	119600-11460	GASKET, NOZZLE	6							
11	2	119260-03031	GASKET	1							
12	2	119260-11310	GASKET, BONNET	1							
13	2	119260-12111	GASKET, MANIFOLD	1							
14	2	119260-13110	GASKET	1							
15	2	119621-11960	GASKET	1							
16	2	119660-32020	GASKET, PUMP	1							
17	2	24321-000350	O-RING, 1AG35.0	1							
18	2	119260-42020	GASKET, WATER PUMP	1							
19	2	124465-44950	GASKET, 16	2							
19-1	2	124465-44950	GASKET, 16	1							K
(A=E23639)											
20	2	129155-61830	O-RING, S10	3							
21	2	129150-49360	GASKET	1							W
(A=E23639)											
22	2	23414-140000	GASKET, 14X1.0	5							
23	2	121520-01851	GASKET	1							
24	2	104200-59170	GASKET, 12	2							
25	2	23414-080012	GASKET, 8X1.0	4							
26	2	124450-11900	GASKET	1							
27	2	23414-170000	GASKET, 17X1.0	1							
28	2	119209-35030	O-RING, P11	1							W
(A=E31132)											
29	2	23414-120000	GASKET, 12X1.0	8							
30	1	129400-92410	HONE	1							1
31	1	721400-92102	BOX ASSY, TOOL	1							
32	2	104200-92350	DRIVER, SCREW	1							
33	2	104200-92600	BOX, TOOL	1							
34	2	28110-100120	SPANNER, 10X12	1							
35	2	28110-140170	SPANNER, 14X17	1							
36	2	28110-190220	SPANNER, 19X22	1							
37	2	28210-000140	OILER	1							
38	1	977770-01212	GASKET, LIQUID	1							1

Remarks
(1) OPTIONAL PART.

Fig.21. CYLINDER BLOCK



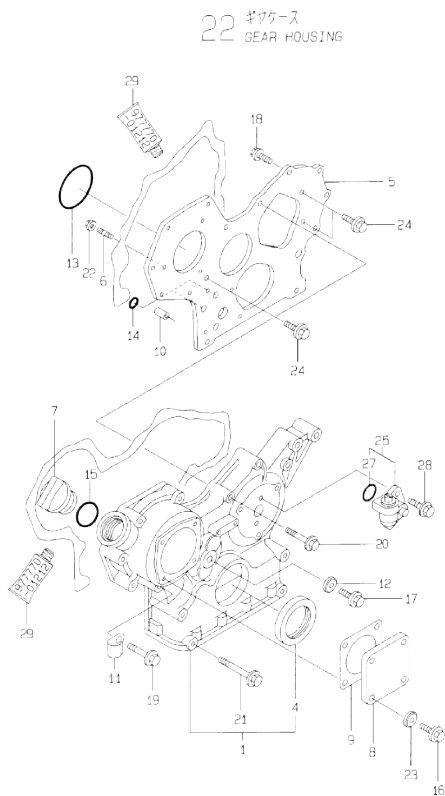
(A)=3TNE78A-GH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719915-01560	BLOCK ASSY, CYLINDER	1							
5	2	124160-01910	PLUG, PT1/4	2							
6	2	46150-504600	HEATER	1							
6-1	2	124097-77900	HEATER, COOLING WATER	1						N	
(A=E51793)											
7	2	23871-010000	PLUG, R01	1							
8	2	27231-500000	PLUG 50	1							
9	2	27241-120000	PLUG, 12	2							
10	2	27241-300000	PLUG 30	6							
13	2	119620-02020	BOLT, METAL CAP	8							
14	2	119810-02800	BEARING, MAIN	4							
17	2	119810-02930	BEARING, THRUST	1							
20	2	129795-02411	BUSH, CAMSHAFT	1							
21	2	23887-120002	PLUG, 12	1							
22	1	119810-01200	BOLT, HEAD	14							
23	1	119818-01330	GASKET, HEAD	1							
24	1	119810-02870	BEARING, 0.25 US	4							1
27	1	119810-02940	BEARING, THRUST 0.25	2							2

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

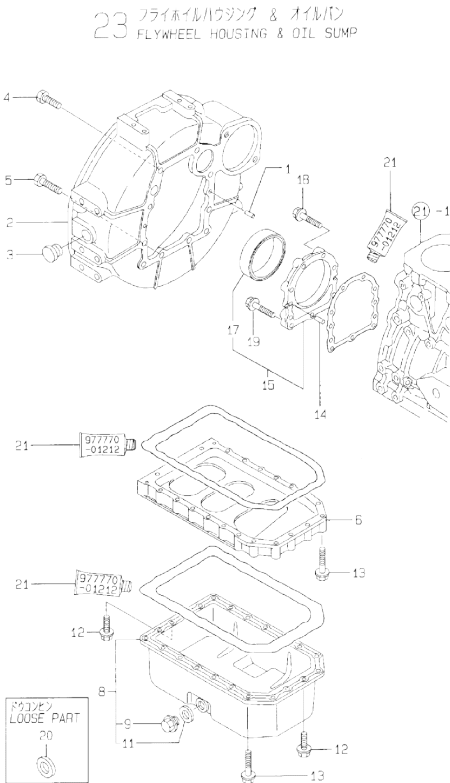
Fig.22. GEAR HOUSING



Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719810-01500	CASE ASSY, GEAR	1							
4	2	129795-01800	SEAL, OIL	1							
5	1	129400-01520	FLANGE, GEAR CASE	1							
6	1	121450-01560	STUD, M8X22	3							
7	1	124160-01751	COVER, FILLER	1							
8	1	124240-01871	COVER	1							
9	1	124240-01883	GASKET	1							
10	1	129795-01950	PIPE, KNOCK L=18	2							
11	1	129150-03100	RETAINER, PIPE	1							
12	1	22190-080002	WASHER, SEAL 6	1							
13	1	121850-51960	O-RING	1							
14	1	24311-000160	O-RING, 1AP16.0	2							
15	1	24311-000320	O-RING, 1AP32.0	1							
16	1	26106-080122	BOLT, M8X 12 PLATED	4							
17	1	26106-080162	BOLT, M8X 16 PLATED	1							
18	1	26106-080202	BOLT, M8X 20 PLATED	2							
19	1	26106-080452	BOLT, M8X 45 PLATED	6							
20	1	26106-080552	BOLT, M8X 55 PLATED	3							
21	1	26106-080852	BOLT, M8X 85 PLATED	4							
22	1	26366-080002	NUT, M8	3							
23	1	22190-080002	WASHER, SEAL 6	4							
24	1	26106-080162	BOLT, M8X 16 PLATED	3							
25	1	129150-91400	GEAR	1							
27	2	24341-000240	O-RING, 1AS24.0	1							
28	1	26106-060162	BOLT, M6X 16 PLATED	2							
29	1	977770-01212	GASKET, LIQUID	1							1

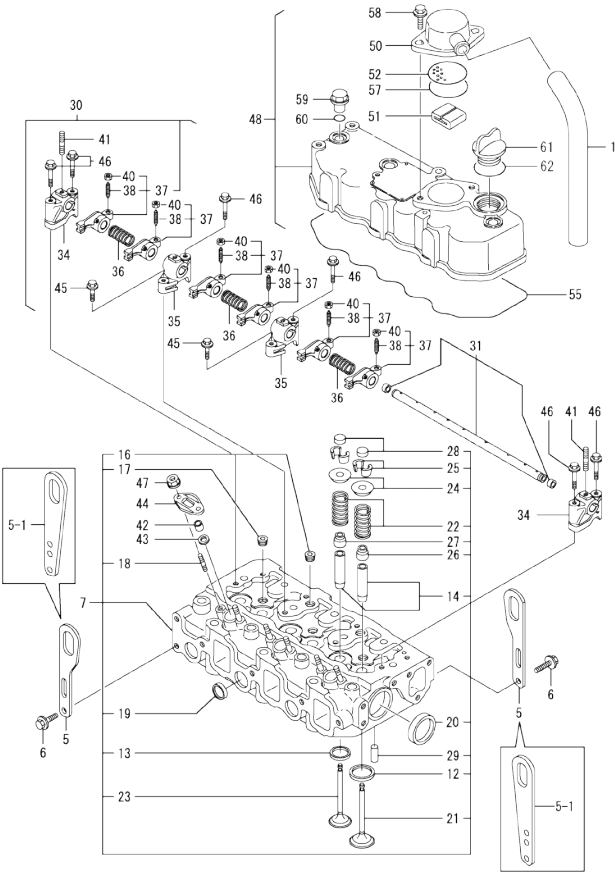
Fig.23. FLYWHEEL HOUSING & OIL SUMP



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	171301-01600	HOUSING, FLYWHEEL	1							
3	1	119620-01750	CAP	1							
4	1	26206-100252	BOLT, M10X 25 PLATED	6							
5	1	26206-100302	BOLT, M10X 30 PLATED	4							
6	1	119810-01730	SPACER, OIL SUMP	1							
8	1	119810-01770	SUMP ASSY, OIL	1							
9	2	119640-01640	PLUG, DRAIN M22	1							
11	2	22190-220002	WASHER, SEAL 22	1							
12	1	26106-080162	BOLT, M8X 16 PLATED	6							
13	1	26106-080452	BOLT, M8X 45 PLATED	22							
14	1	129100-01580	PIN, M8X16	2							
15	1	719810-01650	CASE ASSY, OIL SEAL	1							
17	2	119810-01780	SEAL, 769310	1							
18	1	26106-080302	BOLT, M8X 30 PLATED	6							
18-1	1	129486-01670	BOLT, M8X30	6							R
(A=E10411)											
19	1	26106-080352	BOLT, M8X 35 PLATED	3							
20	1	23414-220000	GASKET, 22X1.0	1							
21	1	977770-01212	GASKET, LIQUID	1							1

Fig.24. CYLINDER HEAD & BONNET



Remarks
(1) REPAIR PART.

(A)=3TNE78A-GH
(B)=
(C)=

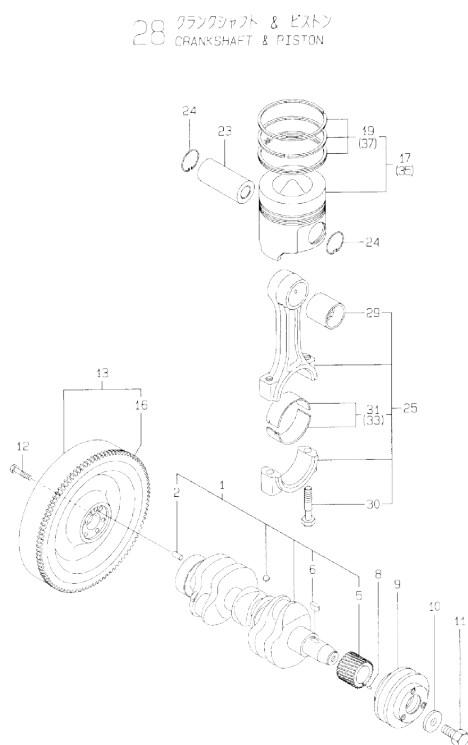
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-03090	HOSE, ID16X2T	1							
5	1	124736-07900	LIFTER	2							
5-1	1	129900-07900	LIFTER	2						N	
(A="2009.08)											
6	1	26106-080142	BOLT, M8X 14 PLATED	4							
7	1	719818-11700	HEAD ASSY, CYLINDER	1							
12	2	119810-11080	SEAT, INTAKE VALVE	3							
13	2	119810-11090	SEAT, EXHAUST VALVE	3							
14	2	124060-11800	GUIDE, VALVE	6							1
16	2	121850-11860	PLUG, PT1/4	2							
17	2	23871-030000	PLUG, R03	3							
18	2	26216-060302	STUD, M6X 30	6							
19	2	27241-220000	PLUG, 22	3							
20	2	27241-400000	PLUG, 40	2							
21	2	119810-11100	VALVE, INTAKE	3							
22	2	119810-11120	SPRING, VALVE	6							
23	2	119810-11130	VALVE, EXHAUST	3							
24	2	104211-11180	RETAINER, SPRING	6							
25	2	27310-070001	COTTER, 7	6							
26	2	124160-11340	SEAL, VALVE STEM	3							
27	2	124950-11340	SEAL, VALVE STEM	3							
28	2	104211-11370	CAP, VALVE	6							
29	2	22351-060012	PIN, SPRING 6.0X12	2							
30	1	119865-11200	SUPPORT ASSY, ARM	1							
31	2	119810-11240	SHAFT ASSY, ROCKER	1							
34	2	129155-11260	SUPPORT, ROCKER ARM	2							
35	2	129155-11270	SUPPORT, ROCKER ARM	2							
36	2	129150-11280	SPRING	3							
37	2	719810-11650	ARM ASSY, ROCKER	6							
38	3	129150-11230	SCREW, VALVE ADJUST	6							
40	3	129150-11750	NUT, M8	6							
41	2	26226-080182	STUD, M8X 18	3							
42	1	119625-11871	PROTECTOR, NOZZLE	3							
43	1	119625-11880	SEAT, NOZZLE	3							
44	1	119625-11900	RETAINER, NOZZLE	3							
45	1	26106-080252	BOLT, M8X 25 PLATED	2							
46	1	26106-080502	BOLT, M8X 50 PLATED	6							
47	1	26366-060002	NUT, M6	6							
48	1	719810-11520	BONNET ASSY, HEAD	1							
50	2	129150-03020	COVER, BREATHER	1							
51	2	129150-03070	BAFFLE, BREATHER	1							
52	2	129150-03080	PLATE, BAFFLE	1							
55	2	119865-11310	GASKET, BONNET	1							
57	2	24341-000500	O-RING, 1AS50.0	1							
58	2	26106-080162	BOLT, M8X 16 PLATED	2							
59	1	124160-11360	KNOB	3							
60	1	24311-000120	O-RING, 1AP12.0	3							
61	1	124160-01751	COVER, FILLER	1							
62	1	24311-000320	O-RING, 1AP32.0	1							

[illegible]

(1) REPAIR PART.

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



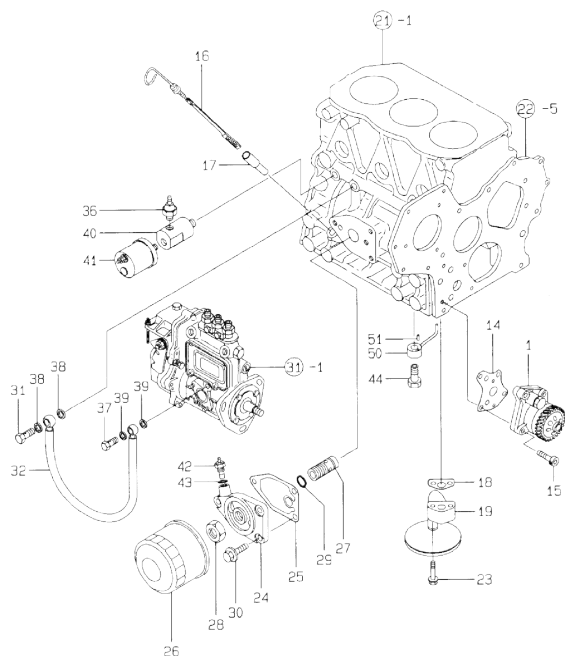
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119813-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
5	2	129150-21200	GEAR, CRANKSHAFT	1							
6	2	22512-070140	KEY, 7X 14	1							
8	1	22351-040010	PIN, SPRING 4.0X10	1							
9	1	171301-21650	V-PULLEY	1							
10	1	129795-21661	WASHER	1							
11	1	121850-21680	BOLT	1							
12	1	121111-21501	BOLT, FLYWHEEL	6							
13	1	171301-21580	FLYWHEEL ASSY	1							
16	2	119865-21600	GEAR, RING	1							
17	1	119818-22090	PISTON ASSY	3							
19	2	119818-22510	RING SET, PISTON	3							
23	1	119813-22300	PIN, PISTON	3							
24	1	129792-22400	CIRCLIP, 23	6							
25	1	719810-23100	ROD ASSY, CONNECTING	3							
29	2	119810-23910	BEARING, PISTON PIN	3							1
30	2	119810-23200	BOLT, CONNECTING ROD	6							
31	2	119810-23600	BEARING, CRANK PIN	3							
33	1	119810-23610	BEARING, 0.25 US	3							2
35	1	119818-22900	PISTON ASSY, 0.25 OS	3							3
37	2	119818-22950	RING SET, 0.25 OS	3							

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

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

Fig.29. LUB.OIL SYSTEM

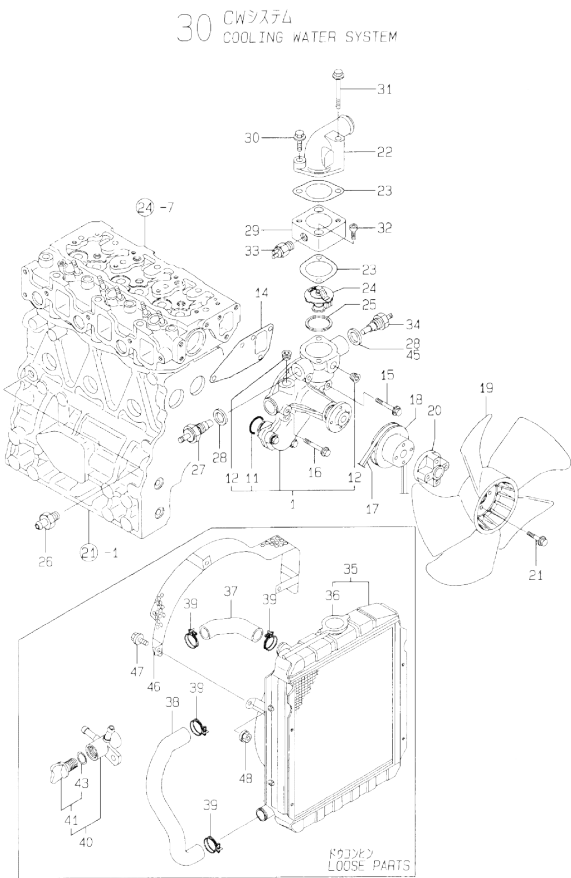
29 LOシステム
LUB.OIL SYSTEM



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
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	119932-34800	DIPSTICK, OIL	1							
17	1	121520-34810	GUIDE, DIPSTICK	1							
18	1	129150-35041	GASKET	1							
19	1	119810-35300	PIPE ASSY, OIL INLET	1							
23	1	26106-080352	BOLT, M8X 35 PLATED	2							
24	1	171375-35100	BRACKET, STRAINER	1							
25	1	129150-35111	GASKET	1							
26	1	129150-35151	FILTER, D80XL80	1							
27	1	129001-35300	BOLT, FILTER	1							
28	1	129150-35350	NUT	1							
29	1	24311-000180	O-RING, 1AP16.0	1							
30	1	26106-080202	BOLT, M8X 20 PLATED	3							
31	1	124160-39140	BOLT, PIPE JOINT M10	1							
32	1	119810-39200	PIPE ASSY, OIL	1							
36	1	124160-39450	SWITCH, 0.5KG	1							
37	1	124550-59820	BOLT, PIPE JOINT M8	1							
38	1	23414-100000	GASKET, 10X1.0	2							
39	1	22190-080002	WASHER, SEAL 6	2							
40	1	171375-39601	DAMPER, 1/8	1							
41	1	144626-91560	SENSOR	1							
42	1	124250-49351	SENSOR	1							
43	1	129150-49360	GASKET	1							
44	1	129792-39410	VALVE ASSY, CHECK	3							
50	1	119810-39650	NOZZLE	3							
51	1	22351-030010	PIN, SPRING 3.0X10	3							

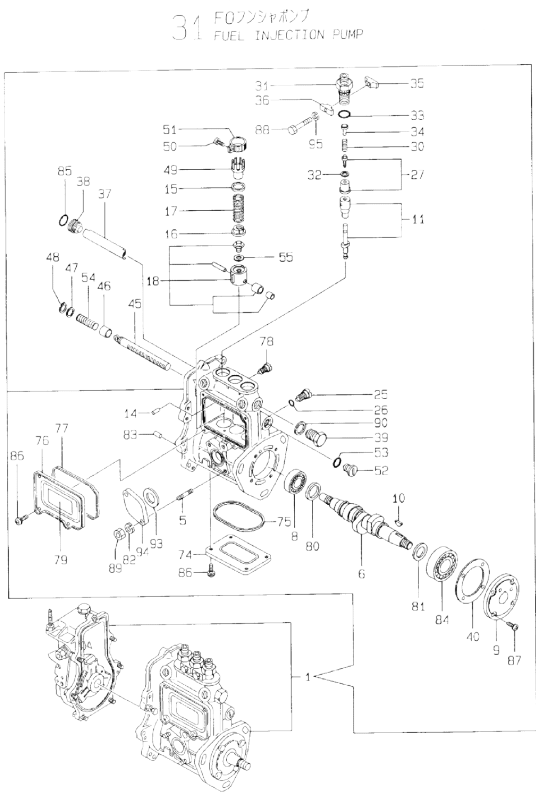
N:Old $\xrightarrow{\text{YES}}$ New. Q:Old $\xrightarrow{\text{NO}}$ New. R:Old $\xrightarrow{\text{YES}}$ New. S:Old $\xrightarrow{\text{NO}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change

Fig.30. COOLING WATER SYSTEM



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119810-42001	PUMP ASSY, WATER	1							
11	2	129150-42320	O-RING	1							
12	2	23871-030000	PLUG, R03	2							
14	1	129150-42020	GASKET, WATER PUMP	1							
15	1	26106-080352	BOLT, M8X 35 PLATED	1							
16	1	26106-080552	BOLT, M8X 55 PLATED	3							
17	1	25132-003900	V-BELT, A39	1							
18	1	129403-42380	V-PULLEY, D=110	1							
19	1	119265-44740	FAN, D=310X5F	1							
20	1	171353-44760	SPACER, FAN	1							
21	1	26106-060352	BOLT, M6X 35 PLATED	4							
22	1	124101-49530	COVER, THERMOSTAT	1							
23	1	129795-49551	GASKET	2							
24	1	129155-49800	THERMOSTAT, 71	1							
25	1	129150-49811	GASKET, THERMOSTAT	1							
26	1	121550-49111	JOINT, PT1/4	1							
27	1	121250-44901	SWITCH, 110	1							
28	1	124465-44950	GASKET, 16	2							
28-1	1	124465-44950	GASKET, 16	1							K
(A=E11224)											
29	1	171335-49590	SPACER	1							
30	1	26106-080302	BOLT, M8X 30 PLATED	1							
31	1	26106-080602	BOLT, M8X 60 PLATED	1							
32	1	26450-080302	BOLT, M8X 30	2							
33	1	171375-44900	SWITCH, 15	1							
34	1	171375-44910	SENSOR	1							
35	1	171340-44510	RADIATOR	1							
36	2	123682-44210	CAP, RADIATOR	1							
37	1	171335-49010	PIPE, WATER	1							
37-1	1	119915-49010	PIPE, WATER	1							N
(A=E10570)											
38	1	171301-49020	PIPE, WATER	1							
39	1	23010-038000	CLAMP, 38	4							
40	1	129150-49100	COCK ASSY, 3-WAY	1							
41	2	129150-49080	COCK, DRAIN	1							
43	3	119629-49080	GASKET	1							
45	1	129150-49360	GASKET	1							W
(A=E11224)											
46	1	171301-44560	PROTECTOR, FAN	1							
47	1	26013-080142	BOLT, M8X 14	3							
48	1	26366-080002	NUT, M8	3							

Fig.31. FUEL INJECTION PUMP

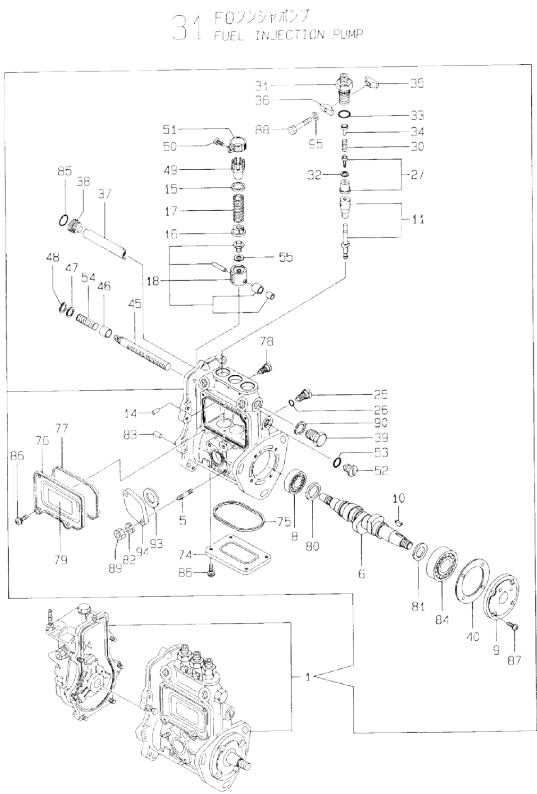


Remarks
(1)GOVERNOR(Fig.32)IS INCORPORATED
IN THIS FUEL INJECTION PUMP.
(REF.NO.1).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719915-51400	PUMP ASSY, INJECTION	1							1
5	2	129155-51020	STUD	2							
6	2	119810-51040	CAMSHAFT	1							
8	2	129155-51050	BEARING, 17BM001D	1							
9	2	129155-51060	SUPPORT, CAMSHAFT	1							
10	2	122710-51090	KEY	1							
11	2	129411-51200	PLUNGER ASSY	3							
14	2	129155-51140	PIN	3							
15	2	174307-51170	RETAINER, SPRING A	3							
16	2	129155-51180	RETAINER, SPRING	3							
17	2	124950-51190	SPRING, PLUNGER	3							
18	2	129155-51200	TAPPET ASSY	3							
25	2	129155-51270	STOPPER, TAPPET	3							
26	2	129155-51280	O-RING, S6	3							
27	2	128170-51300	VALVE ASSY, DELIVERY	3							
30	2	129155-51320	SPRING, DELIVERY	3							
31	2	129155-51340	RETAINER	3							
32	2	124550-51350	GASKET, DELIVERY	3							
33	2	124550-51370	O-RING	3							
34	2	129155-51370	STOPPER, VALVE	3							
35	2	129155-51380	STOPPER	2							
36	2	129155-51390	STOPPER	2							
37	2	129155-51400	DEFLECTOR	1							
38	2	129155-51410	BOLT	1							
39	2	129155-51420	PLUG, M16	1							
40	2	129155-51450	SHIM SET, ADJUSTING	1							
45	2	129155-51500	RACK, CONTROL	1							
46	2	129155-51521	BUSH, RACK	1							
47	2	129155-51530	SPACER	1							
48	2	129155-51540	CIRCLIP	1							
49	2	129155-51550	PINION, CONTROL	3							
50	2	122117-51560	SCREW	3							
51	2	174307-51560	PINION	3							
52	2	129155-51570	PLUG, M12	1							
53	2	129155-51580	O-RING	1							
54	2	129155-51591	SPRING, RACK	1							
55	2	129155-51600	SHIM SET, ADJUSTING	3							
74	2	129155-51700	COVER	1							
75	2	129155-51710	GASKET	1							
76	2	129155-51750	COVER	1							
77	2	129155-51760	GASKET	1							
78	2	129155-51790	STOOPER, RACK	1							
79	2	129156-51910	LABEL, CAUTION	1							
80	2	129155-51930	SPACER, T=3.25	1							
81	2	129155-51940	SPACER, T=1.5	1							
82	2	22217-060000	WASHER, SPRING 6	2							
83	2	22351-050010	PIN, SPRING 5.0X10	2							
84	2	24101-063034	BEARING, BALL 6303	1							
85	2	24341-000160	O-RING, 1AS16.0	1							
86	2	26022-050102	SCREW, M5X10	8							
87	2	26022-060162	SCREW, M6X16	4							

N:Old, New, Q:Old, R:Old, S:Old, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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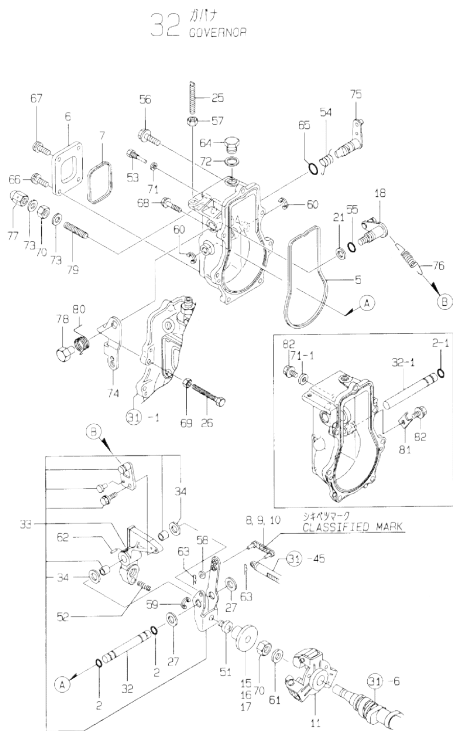
Fig.31. FUEL INJECTION PUMP



Remarks
(1)GOVERNOR(FIG.32)IS INCORPORATED
IN THIS FUEL INJECTION PUMP.
(REF.NO.1).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
88	2	26116-050302	BOLT, M5X 30 PLATED	2							
89	2	26716-060002	NUT, M6	2							
90	2	22190-160002	WASHER, SEAL 16	1							
93	2	129155-52050	GASKET	1							
94	2	129100-52200	COVER	1							
95	2	22217-050000	WASHER, SPRING 5	2							

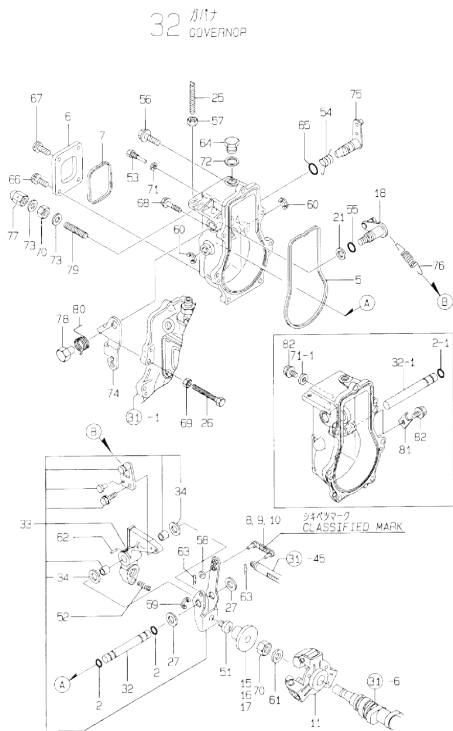
Fig.32. GOVERNOR



Remarks
(1) SELECTIVE PARTS:CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER (REF.TO.ILLUSTRATION).
(2) SELECTIVE PART.
* THIS FIGURE(GOVERNOR ASSY)IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY(FIG.31).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	129155-51280	O-RING, S6	2							
2-1	2	129155-51280	O-RING, S6	1							K
(A=E10805)											
5	2	129155-61050	GASKET	1							
6	2	129155-61060	COVER, GOVERNOR CASE	1							
7	2	129155-61070	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	129155-61201	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	129100-61400	SHAFT ASSY	1							
21	2	129155-61430	SPACER	1							
25	2	129155-61450	BOLT, LIMITER	1							
26	2	129155-61460	BOLT, IDLE	1							
27	2	129155-61480	SPACER ASSY	2							
32	2	129155-61490	SHAFT	1							
32-1	2	129155-61380	SHAFT	1							S
(A=E10805)											
33	2	129100-61501	LEVER ASSY, GOVERNOR	1							
34	3	174307-51700	SHIM SET	2							
51	2	129155-61540	SHIFTER	1							
52	2	129500-61650	SPRING, FUEL CONTROL	1							
53	2	129155-61810	PIN	1							
54	2	129100-61821	SPRING, RETURN	1							
55	2	129155-61830	O-RING, S10	1							
56	2	129155-61950	BOLT	1							
57	2	124550-66370	NUT, M6	1							
58	2	22117-040000	WASHER, 4	1							
59	2	22272-000040	RING, E- 4	1							
60	2	22272-000060	RING, E- 6	2							Z
(A=E10805)											
61	2	22287-120000	WASHER, 12	1							
62	2	22351-030016	PIN, SPRING 3.0X16	1							
63	2	22372-040000	PIN, SNAP 4	2							
64	2	23887-100002	PLUG, 10	1							
65	2	24311-240100	O-RING, 1AP10A	1							
66	2	26022-050102	SCREW, M5X10	2							
67	2	26023-050102	SCREW, M5X10	2							
68	2	26106-060202	BOLT, M6X 20 PLATED	6							
69	2	26756-060002	NUT, LOCK M6	1							
70	2	26776-120002	NUT, LOCK M12	2							
71	2	22190-060002	WASHER, SEAL 6	1							
71-1	2	22190-060002	WASHER, SEAL 6	2							K
(A=E10805)											
72	2	22190-100002	WASHER, SEAL 10	1							
73	2	22190-120002	WASHER, SEAL 12	2							
74	2	171488-61440	LEVER, CONTROL	1							
75	2	129155-61802	LEVER, STOP	1							

Fig.32. GOVERNOR

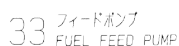


Remarks
(1) SELECTIVE PARTS:CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER (REF.TO.ILLUSTRATION).
(2) SELECTIVE PART.
* THIS FIGURE(GOVERNOR.ASSY)IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY(FIG.31).

(A)=3TNE78A-GH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
76	2	129500-61700	SPRING, GOVERNOR	1							
77	2	26687-120002	NUT, CAP M12	1							
78	2	129255-61410	NUT, LOCK	1							
79	2	129155-61470	BOLT, CONTROL	1							
80	2	129255-61420	SPRING, RETURN	1							
81	2	119660-61901	RETAINER, SHAFT	1							W
82	2	26106-060102	BOLT, M6X 10 PLATED	2							W

[illegible]



(A)=3TNE78A-GH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	26106-100302	BOLT, M10X 30 PLATED	2							
2	1	129470-55601	FILTER ASSY, FUEL	1							
3	2	129470-55610	BODY, STRAINER	1							
4	2	129470-55701	STRAINER ASSY, FUEL	1							
5	1	171335-55611	BRACKET, STRAINER	1							
6	1	171081-55900	FILTER ASSY, PRE	1							
8	2	121370-55730	CUP, STRAINER	1							
9	2	110250-55610	RING, RETAINING	1							
10	2	103854-32050	O-RING	1							
11	2	171081-55910	SCREEN	1							
12	2	101720-55750	PLUG, 6	1							
13	2	23418-060000	GASKET, 6X1.0	1							
14	2	23414-080012	GASKET, 8X1.0	1							
15	2	121257-55720	SPRING	1							
16	2	135210-51900	PLUG	1							
17	1	26106-060142	BOLT, M6X 14 PLATED	2							
18	1	26106-080162	BOLT, M8X 16 PLATED	2							

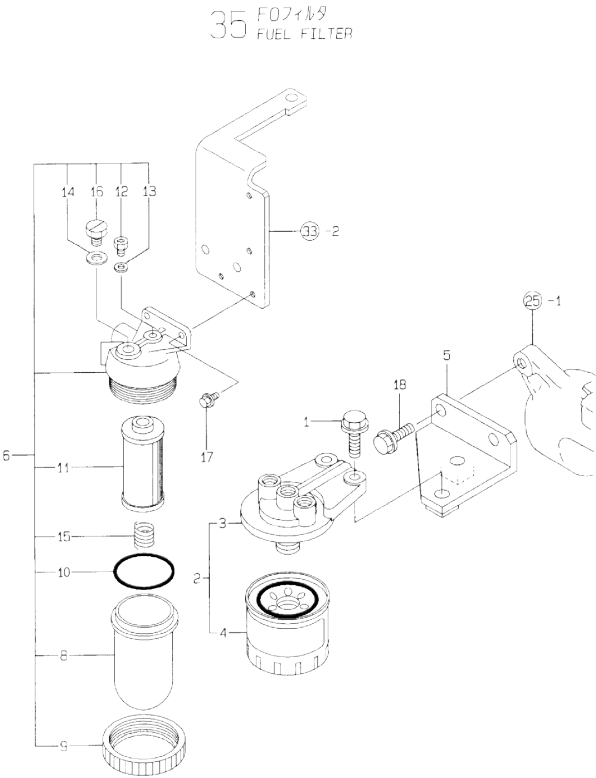
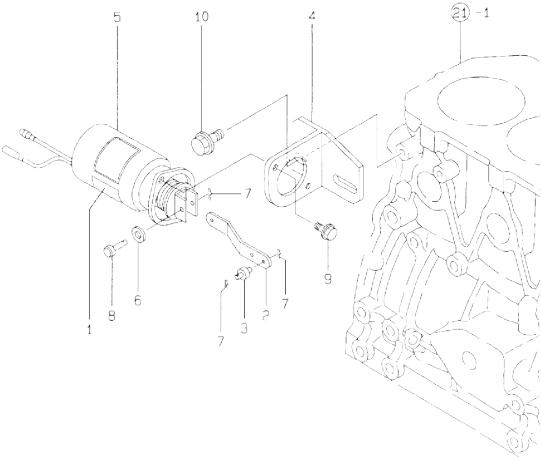


Fig.36. ENGINE STOP DEVICE

36 エンジン停止装置
ENGINE STOP DEVICE



(A)=3TNE78A-GH
(B)=
(C)=

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

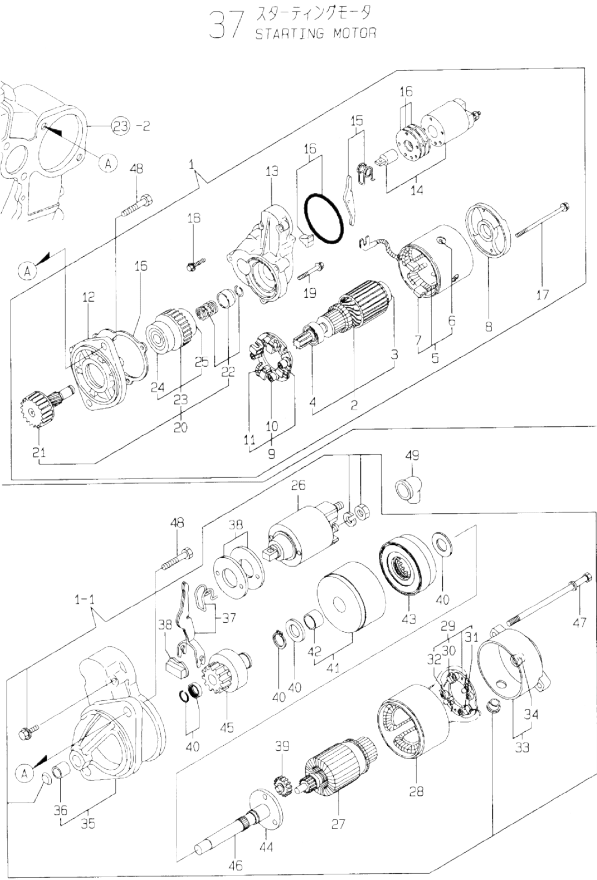
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171010-65100	LABEL	1							
2	1	171335-65110	LINK, SOLENOID	1							
3	1	171335-65120	PIN	1							
4	1	171335-65130	BRACKET, SOLENOID	1							
5	1	171335-77951	SOLENOID, MAGNETIC	1							
6	1	22117-050000	WASHER, 5	1							
7	1	22360-050000	SNAP PIN 5	3							
8	1	22487-050160	PIN, H 5X 16	1							
9	1	26106-060122	BOLT, M6X 12 PLATED	2							
10	1	26106-080142	BOLT, M8X 14 PLATED	2							

(A)=3TNE78A-GH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124976-77011	STARTER, S114-349A	1							
1-1	1	129698-77010	STARTER, 12V1.2KW	1							R
		(A=E13548)									
2	2	X211451007	ARMATURE ASSY	1							Z
		(A=E13548)									
3	3	X211415502	BEARING, BALL	1							Z
		(A=E13548)									
4	3	X211425502	BEARING, BALL	1							Z
		(A=E13548)									
5	2	X211472106	COIL ASSY, FIELD	1							Z
		(A=E13548)									
6	3	X21143215	SCREW, CORE	4							Z
		(A=E13548)									
7	3	X211469002	BRUSH (+)	2							Z
		(A=E13548)									
8	2	X211483003	COVER	1							Z
		(A=E13548)									
9	2	X211429007	HOLDER ASSY, BRUSH	1							Z
		(A=E13548)									
10	3	X21148314	SPRING, BRUSH	4							Z
		(A=E13548)									
11	3	X211459002	BRUSH (-)	2							Z
		(A=E13548)									
12	2	X211476504	HOUSING ASSY, GEAR	1							Z
		(A=E13548)									
13	2	X211414501	HOUSING, CENTER	1							Z
		(A=E13548)									
14	2	171008-55730	SWITCH ASSY	1							Z
		(A=E13548)									
15	2	X21146012	LEVER, SHIFT	1							Z
		(A=E13548)									
16	2	171008-77571	COVER KIT, DUST	1							Z
		(A=E13548)									
17	2	X211468005	BOLT, THROUGH	2							Z
		(A=E13548)									
18	2	X21145866	BOLT	2							Z
		(A=E13548)									
19	2	X21142867	BOLT	3							Z
		(A=E13548)									
20	2	X211415505	CLUTCH ASSY	1							Z
		(A=E13548)									
21	3	X211495009	SHAFT	1							Z
		(A=E13548)									
22	3	X211429006	STOPPER SET	1							Z
		(A=E13548)									
23	3	X211425505	CLUTCH ASSY	1							Z
		(A=E13548)									
24	4	X211435502	BALL BEARING	1							Z
		(A=E13548)									
25	4	X211445502	BALL BEARING	1							Z
		(A=E13548)									

N:Old $\frac{N_{10}}{100}$ New, Q:Old $\frac{Q_{10}}{100}$ New, R:Old $\frac{R_{10}}{100}$ New, S:Old $\frac{S_{10}}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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37 スターティングモータ
STARTING MOTOR

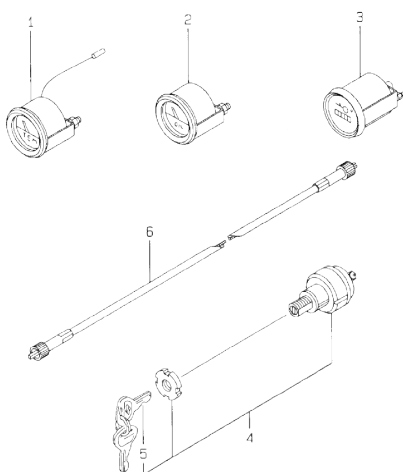
Fig.37. STARTING MOTOR



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

Fig.39. ELECTRIC PARTS

39 テンゾウヒン
ELECTRIC PARTS

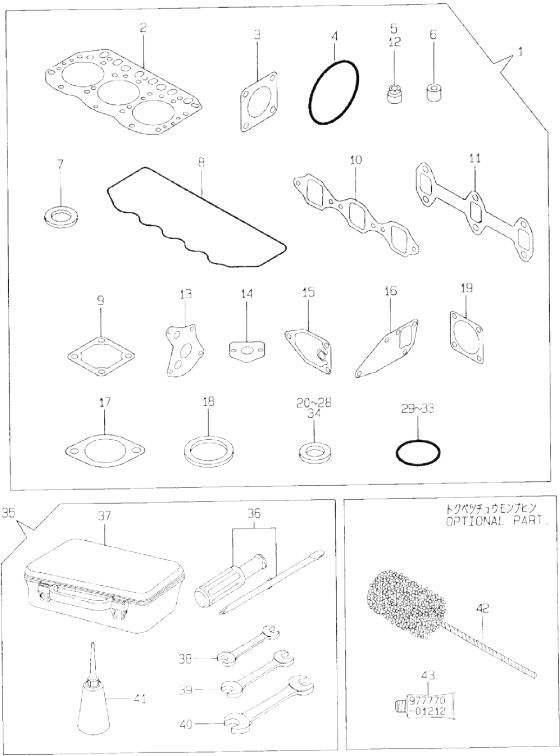


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171010-77850	THERMOSTAT	2							
2	1	171090-91010	GAUGE	1							
3	1	171014-91101	TACHOMETER	1							
4	1	121400-91251	SWITCH, STARTER	1							
5	2	121400-91271	KEY, SWITCH	1							
6	1	121400-91140	SHAFT	1							

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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Fig.40. GASKET SET

40 パッキンセット
GASKET SET



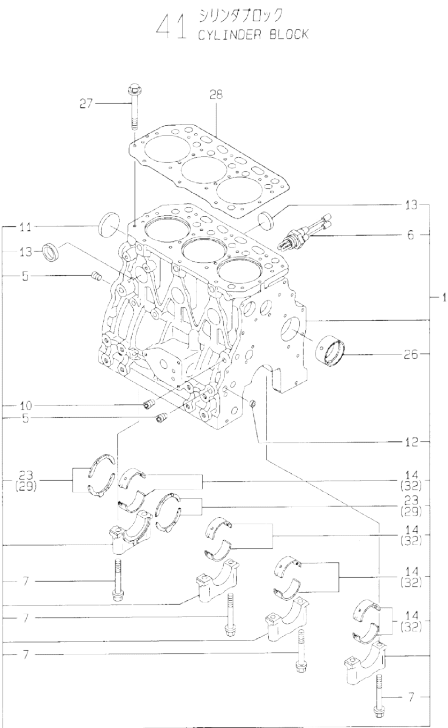
Remarks
(1) OPTIONAL PART.

(A)=3TNE78A-GH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719818-92620	GASKET SET	1							1
2	2	119818-01330	GASKET, HEAD	1							
3	2	124240-01883	GASKET	1							
4	2	121850-51960	O-RING	1							
5	2	124160-11340	SEAL, VALVE STEM	3							
6	2	119625-11871	PROTECTOR, NOZZLE	3							
7	2	119625-11880	SEAT, NOZZLE	3							
8	2	119865-11310	GASKET, BONNET	1							
9	2	129150-77511	GASKET	1							
10	2	119810-12111	GASKET, MANIFOLD	1							
11	2	119810-13110	GASKET	1							
12	2	124950-11340	SEAL, VALVE STEM	3							
13	2	129150-32020	GASKET, PUMP	1							
14	2	129150-35041	GASKET	1							
15	2	129150-35111	GASKET	1							
16	2	129150-42020	GASKET, WATER PUMP	1							
17	2	129795-49551	GASKET	2							
18	2	129150-49811	GASKET, THERMOSTAT	1							
19	2	124450-11900	GASKET	1							
20	2	104200-59170	GASKET, 12	2							
21	2	22190-080002	WASHER, SEAL 6	7							
22	2	129150-49360	GASKET	1							
22-1	2	129150-49360	GASKET	2							K
(A=E11224)											
23	2	23414-120000	GASKET, 12X1.0	10							
24	2	23414-080012	GASKET, 8X1.0	6							
25	2	23414-060000	GASKET, 6X1.0	6							
26	2	23414-140000	GASKET, 14X1.0	2							
27	2	124465-44950	GASKET, 16	2							
27-1	2	124465-44950	GASKET, 16	1							K
(A=E11224)											
28	2	23414-170000	GASKET, 17X1.0	1							
29	2	24311-000120	O-RING, 1AP12.0	3							
30	2	24311-000160	O-RING, 1AP16.0	3							
31	2	24311-000320	O-RING, 1AP32.0	2							
32	2	24341-000240	O-RING, 1AS24.0	1							
33	2	24341-000500	O-RING, 1AS50.0	1							
34	2	23414-100000	GASKET, 10X1.0	2							
35	1	721400-92102	BOX ASSY, TOOL	1							
36	2	104200-92350	DRIVER, SCREW	1							
37	2	104200-92600	BOX, TOOL	1							
38	2	28110-100120	SPANNER, 10X12	1							
39	2	28110-140170	SPANNER, 14X17	1							
40	2	28110-190220	SPANNER, 19X22	1							
41	2	28210-000140	OILER	1							
42	1	129400-92420	HONE	1							1
43	1	977770-01212	GASKET, LIQUID	1							1

Fig.41. CYLINDER BLOCK



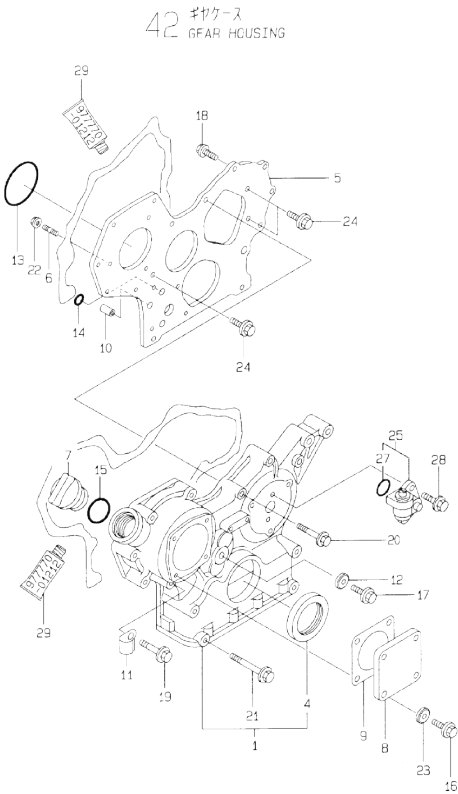
(A)=3TNE84-GH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729215-01560	BLOCK ASSY, CYLINDER	1							
5	2	124160-01910	PLUG, PT1/4	3							
6	2	46150-504600	HEATER	1							
6-1	2	124097-77900	HEATER, COOLING WATER	1						N	
		(A=E64472)									
7	2	129150-02020	BOLT, METAL CAP	8							
10	2	23871-010000	PLUG, R01	1							
11	2	27231-500000	PLUG 50	1							
12	2	27241-120000	PLUG, 12	2							
13	2	27241-300000	PLUG 30	6							
14	2	129001-02800	BEARING, MAIN	4							
23	2	129150-02930	BEARING, THRUST	2							
26	2	129795-02411	BUSH, CAMSHAFT	1							
27	1	129150-01200	BOLT, HEAD	14							
28	1	129002-01331	GASKET, HEAD	1							
29	1	129150-02940	BEARING, THRUST 0.25	2							1
32	1	129150-02870	BEARING, 0.25 US	4							2

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

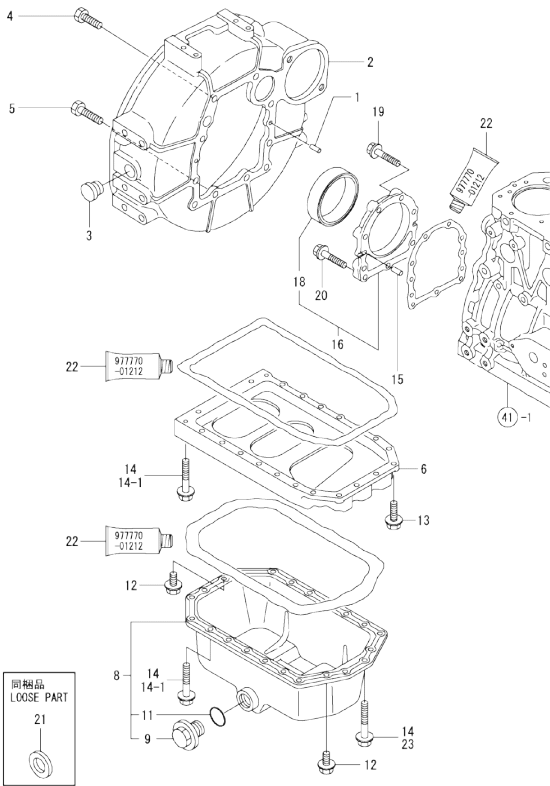
Fig.42. GEAR HOUSING



Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719810-01500	CASE ASSY, GEAR	1							
4	2	129795-01800	SEAL, OIL	1							
5	1	129400-01520	FLANGE, GEAR CASE	1							
6	1	121450-01560	STUD, M8X22	3							
7	1	124160-01751	COVER, FILLER	1							
8	1	124240-01871	COVER	1							
9	1	124240-01883	GASKET	1							
10	1	129795-01950	PIPE, KNOCK L=18	2							
11	1	129150-03100	RETAINER, PIPE	1							
12	1	22190-080002	WASHER, SEAL 6	1							
13	1	121850-51960	O-RING	1							
14	1	24311-000160	O-RING, 1AP16.0	2							
15	1	24311-000320	O-RING, 1AP32.0	1							
16	1	26106-080122	BOLT, M8X 12 PLATED	4							
17	1	26106-080162	BOLT, M8X 16 PLATED	1							
18	1	26106-080202	BOLT, M8X 20 PLATED	2							
19	1	26106-080452	BOLT, M8X 45 PLATED	6							
20	1	26106-080552	BOLT, M8X 55 PLATED	3							
21	1	26106-080852	BOLT, M8X 85 PLATED	4							
22	1	26366-080002	NUT, M8	3							
23	1	22190-080002	WASHER, SEAL 6	4							
24	1	26106-080162	BOLT, M8X 16 PLATED	3							
25	1	129150-91400	GEAR	1							
27	2	24341-000240	O-RING, 1AS24.0	1							
28	1	26106-060162	BOLT, M6X 16 PLATED	2							
29	1	977770-01212	GASKET, LIQUID	1							1

Fig.43. FLYWHEEL HOUSING &LUB.OIL SUMP



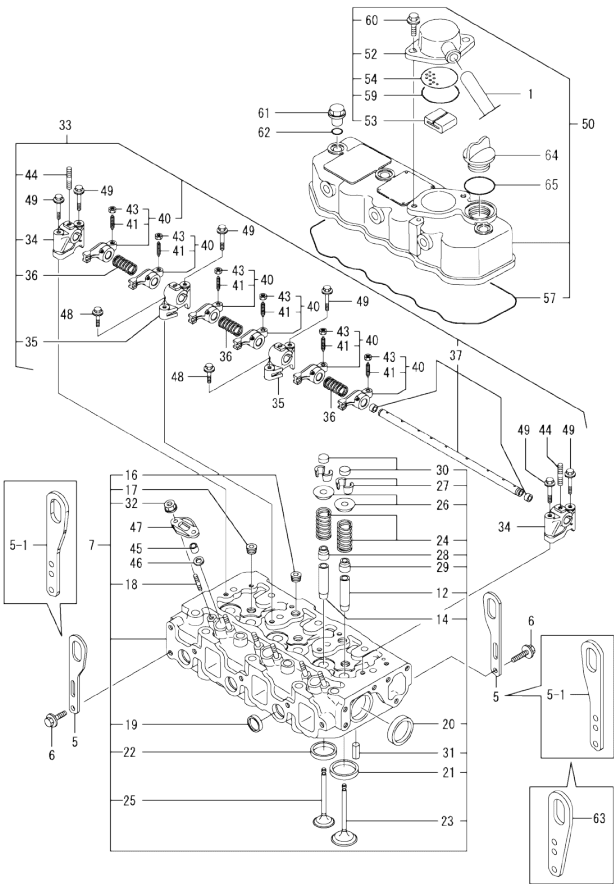
Remarks
(1) OPTIONAL PART.

(A)=3TNE84-GH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2							
2	1	171301-01600	HOUSING, FLYWHEEL	1							
3	1	119620-01750	CAP	1							
4	1	26206-100252	BOLT, M10X 25 PLATED	6							
5	1	26206-100302	BOLT, M10X 30 PLATED	4							
6	1	129100-01730	SPACER, OIL SUMP	1							
8	1	129100-01760	SUMP ASSY, OIL	1							
9	2	171301-01640	PLUG, 22	1							
11	2	24341-000250	O-RING, 1AS25.0	1							
12	1	26106-080162	BOLT, M8X 16 PLATED	4							
13	1	26106-080252	BOLT, M8X 25 PLATED	2							
14	1	26106-080452	BOLT, M8X 45 PLATED	20							
14-1	1	26106-080452	BOLT, M8X 45 PLATED	16							K
(A=FROM 1ST)											
15	1	129100-01580	PIN, M8X16	2							
16	1	129100-01640	CASE ASSY, OIL SEAL	1							
18	2	129795-01780	SEAL, OIL	1							
19	1	26106-080302	BOLT, M8X 30 PLATED	6							
19-1	1	129486-01670	BOLT, M8X30	6							R
(A=E14805)											
20	1	26106-080352	BOLT, M8X 35 PLATED	3							
21	1	23414-220000	GASKET, 22X1.0	1							
22	1	977770-01212	GASKET, LIQUID	1							1
23	1	26106-080502	BOLT, M8X 50 PLATED	4							W
(A=FROM 1ST)											

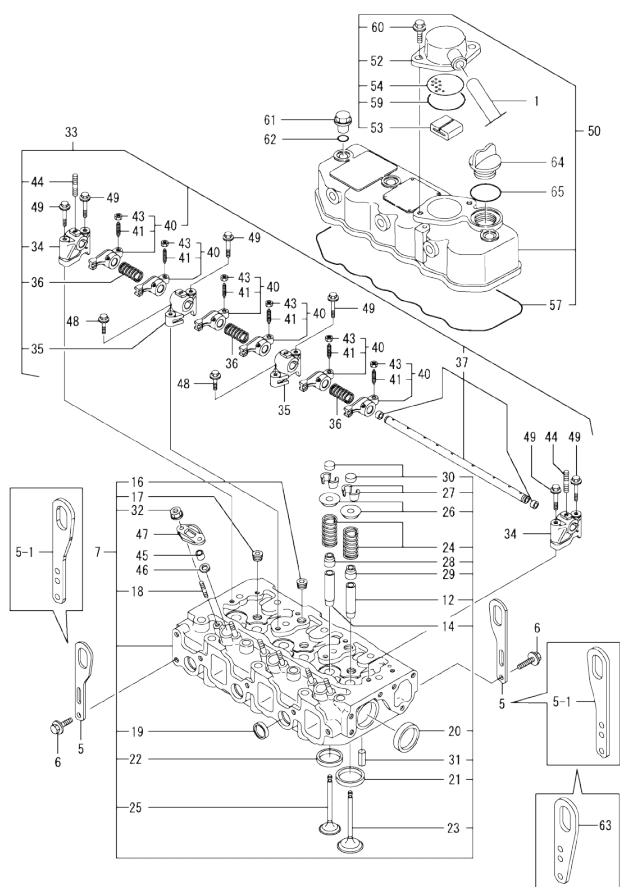
Fig.44. CYLINDER HEAD & BONNET



Remarks
(1) REPAIR PART.

										OCE10-M26900 Fig.44	
										(A)=3TNE84-GH	(D)=
										(B)=	(E)=
										(C)=	(F)=
										Q'ty	
										(A)	(B)
										(C)	(D)
										(E)	(F)
										I	
										R	
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-03090	HOSE, ID16X2T	1							
5	1	124736-07900	LIFTER	2							
5-1	1	129900-07900	LIFTER	2						N	
(A=E000)											
5-2	1	129900-07900	LIFTER	1						K	
(A="2009.08)											
6	1	26106-080142	BOLT, M8X 14 PLATED	4							
7	1	729202-11710	HEAD ASSY, CYLINDER	1							
12	2	120130-11860	GUIDE, VALVE	3						1	
14	2	129150-11810	GUIDE, VALVE	3						1	
16	2	23871-020000	PLUG, R02	2							
17	2	23871-030000	PLUG, R03	3							
18	2	26216-060202	STUD, M6X 20	6							
19	2	27241-220000	PLUG, 22	3							
20	2	27241-400000	PLUG, 40	2							
21	2	129470-11080	SEAT, INTAKE VALVE	3							
22	2	129470-11090	SEAT, EXHAUST VALVE	3							
23	2	129100-11100	VALVE, INTAKE	3							
24	2	129795-11120	SPRING, VALVE	6							
25	2	129100-11130	VALVE, EXHAUST	3							
26	2	129795-11180	RETAINER, SPRING	6							
27	2	27310-080001	COTTER, 8	6							
28	2	121400-11340	SEAL, VALVE STEM	3							
29	2	124460-11340	SEAL, VALVE STEM	3							
30	2	129150-11370	CAP, VALVE	6							
31	2	22351-060012	PIN, SPRING 6.0X12	2							
32	2	26366-060002	NUT, M6	6							
33	1	129155-11241	SHAFT ASSY, ROCKER	1							
34	2	129155-11260	SUPPORT, ROCKER ARM	2							
35	2	129155-11270	SUPPORT, ROCKER ARM	2							
36	2	129150-11280	SPRING	3							
37	2	129150-11290	SHAFT, ROCKER ARM	1							
40	2	729402-11650	ARM ASSY, ROCKER	6							
41	3	129150-11230	SCREW, VALVE ADJUST	6							
43	3	129150-11750	NUT, M8	6							
44	2	26226-080182	STUD, M8X 18	3							
45	1	119625-11871	PROTECTOR, NOZZLE	3							
46	1	119625-11880	SEAT, NOZZLE	3							
47	1	119625-11900	RETAINER, NOZZLE	3							
48	1	26106-080252	BOLT, M8X 25 PLATED	2							
49	1	26106-080502	BOLT, M8X 50 PLATED	6							
50	1	129100-11350	BONNET ASSY, HEAD	1							
52	2	129150-03020	COVER, BREATHER	1							
53	2	129150-03070	BAFFLE, BREATHER	1							
54	2	129150-03080	PLATE, BAFFLE	1							
57	2	129150-11310	GASKET, BONNET	1							
59	2	24341-000500	O-RING, 1AS50.0	1							
60	2	26106-080162	BOLT, M8X 16 PLATED	2							
61	1	124160-11360	KNOB	3							
62	1	24311-000120	O-RING, 1AP12.0	3							
63	1	119226-07900	LIFTER	1						W	

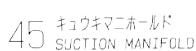
N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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(1) REPAIR PART.

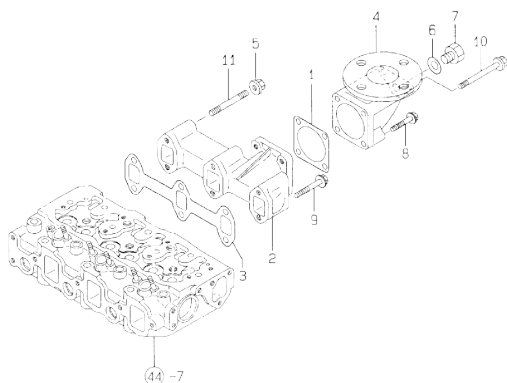
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
64	1	124160-01751	COVER, FILLER	1							
65	1	243111-000320	O-RING, 1A232 0	1							

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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No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-12100	MANIFOLD, AIR INTAKE	1							
2	1	129150-12111	GASKET, MANIFOLD	1							
3	1	26106-080252	BOLT, M8X 25 PLATED	4							
4	1	129470-12210	JOINT ASSY	1							
6	2	23871-010000	PLUG, R01	1							
7	1	129795-12501	SILENCER ASSY	1							
8	2	129795-12520	PIPE, AIR INTAKE	1							
9	2	129795-12530	PLATE	1							
10	2	129795-12540	ELEMENT	1							
11	1	129150-77511	GASKET	1							
12	1	23000-060000	CLAMP, 60	1							
13	1	26106-080162	BOLT, M8X 16 PLATED	4							

4C ハイキマニホールド

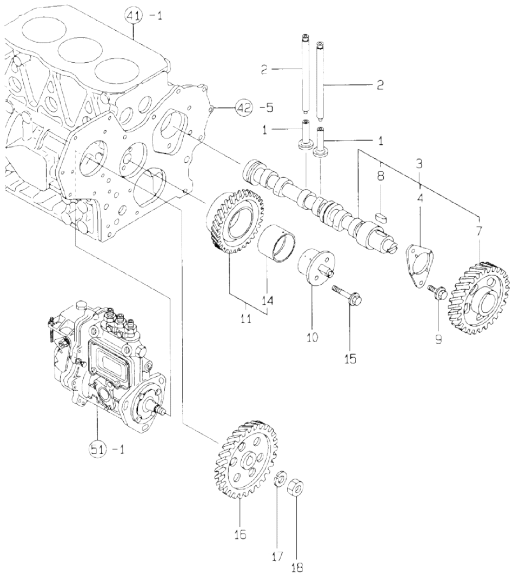


No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	124450-11900	GASKET	1							
2	1	129100-13110	MANIFOLD, EXHAUST	1							
3	1	129150-13110	GASKET	1							
4	1	171083-13300	BEND, EXHAUST 50A	1							
5	1	194990-22050	NUT, M8	2							
6	1	23414-170000	GASKET, 17X1.0	1							
7	1	23894-030002	PLUG, G3/8	1							
8	1	26106-080452	BOLT, M8X 45 PLATED	2							
9	1	26106-080802	BOLT, M8X 80 PLATED	4							
10	1	26106-080952	BOLT, M8X 95 PLATED	2							
11	1	26216-080802	STUD, M8X 80	2							

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Fig.47. CAMSHAFT & DRIVING GEAR

47 カムシャフト & クドウギヤ
CAMSHAFT & DRIVING GEAR



(A)=3TNE84-GH
(B)=
(C)=

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

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	26106-080162	BOLT, M8X 16 PLATED	2							
9-1	1	26106-080142	BOLT, M8X 14 PLATED	2							N
(A=E14443)											
10	1	129100-25061	SHAFT, IDLE	1							
11	1	129150-25101	GEAR ASSY, IDLE	1							
14	2	129150-25920	BUSH, IDLE GEAR	1							1
15	1	26106-080452	BOLT, M8X 45 PLATED	2							
16	1	129100-25900	GEAR, PUMP	1							
17	1	22217-120000	WASHER, SPRING 12	1							
18	1	26716-120002	NUT, M12	1							

Remarks
(1) REPAIR PART.

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{RIS}{YES}$ New, R:Old $\frac{YES}{YES}$ New, S:Old $\frac{RIS}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.48. CRANKSHAFT & PISTON

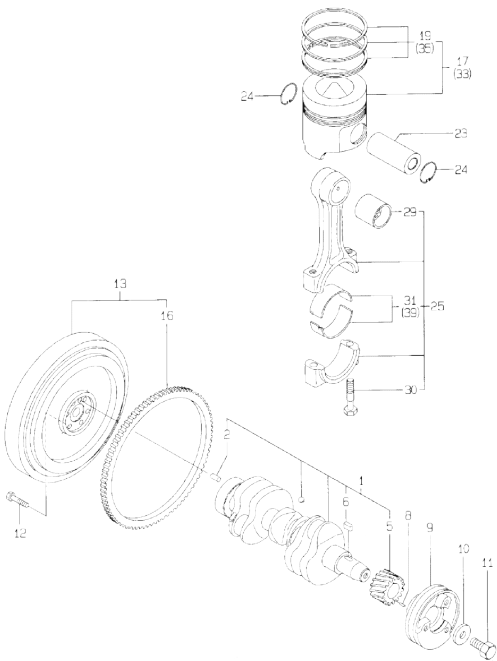
(A)=3TNE84-GH
(B)=
(C)=

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

Q'ty

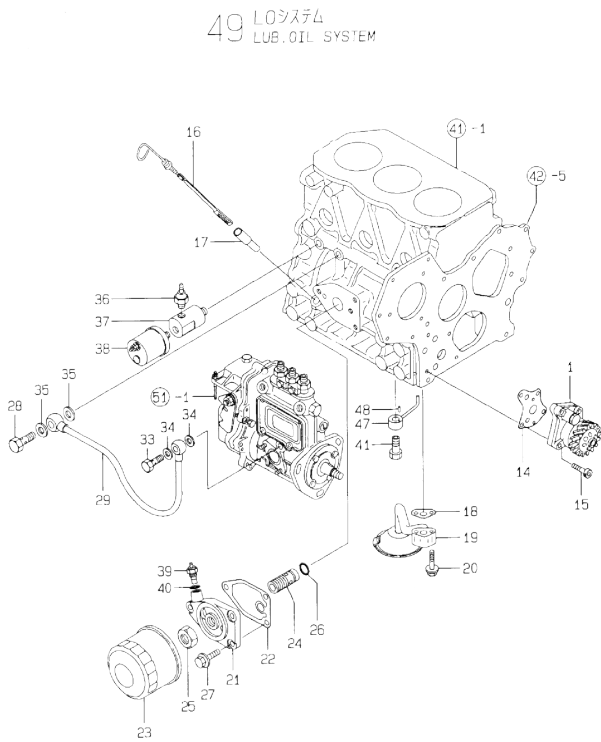
I R

48 クランクシャフト & ピストン
CRANKSHAFT & PISTON



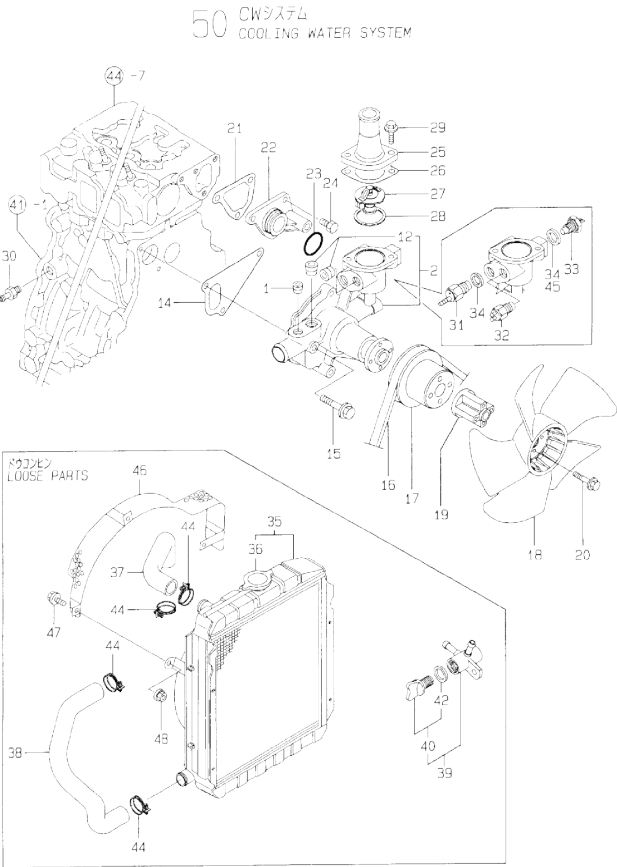
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129001-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
5	2	129150-21200	GEAR, CRANKSHAFT	1							
6	2	22512-070140	KEY, 7X 14	1							
8	1	22351-040010	PIN, SPRING 4.0X10	1							
9	1	171340-21650	V-PULLEY	1							
10	1	129795-21661	WASHER	1							
11	1	121850-21680	BOLT	1							
12	1	121111-21501	BOLT, FLYWHEEL	6							
13	1	171340-21580	FLYWHEEL ASSY	1							
16	2	119865-21600	GEAR, RING	1							
17	1	129002-22090	PISTON ASSY	3							
19	2	129002-22510	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	129002-22900	PISTON ASSY, 0.25 OS	3							2
35	2	129002-22950	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.



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	129136-34800	DIPSTICK, OIL	1							
17	1	121520-34810	GUIDE, DIPSTICK	1							
18	1	129150-35041	GASKET	1							
19	1	129100-35301	PIPE ASSY, OIL INLET	1							
20	1	26106-080352	BOLT, M8X 35 PLATED	2							
21	1	171375-35100	BRACKET, STRAINER	1							
22	1	129150-35111	GASKET	1							
23	1	129150-35151	FILTER, D80XL80	1							
24	1	129001-35300	BOLT, FILTER	1							
25	1	129150-35350	NUT	1							
26	1	24311-000160	O-RING, 1AP16.0	1							
27	1	26106-080202	BOLT, M8X 20 PLATED	3							
28	1	124160-39140	BOLT, PIPE JOINT M10	1							
29	1	129150-39450	PIPE ASSY, OIL	1							
33	1	124550-59820	BOLT, PIPE JOINT M8	1							
34	1	23414-080000	GASKET, 8X1.0	2							
35	1	23414-100000	GASKET, 10X1.0	2							
36	1	124160-39450	SWITCH, 0.5KG	1							
37	1	171375-39601	DAMPER, 1/8	1							
38	1	144626-91560	SENSOR	1							
39	1	124250-49351	SENSOR	1							
40	1	129150-49360	GASKET	1							
41	1	129792-39410	VALVE ASSY, CHECK	3							
47	1	129553-39650	NOZZLE	3							
48	1	22351-030010	PIN, SPRING 3.0X10	3							

Fig.50. COOLING WATER SYSTEM

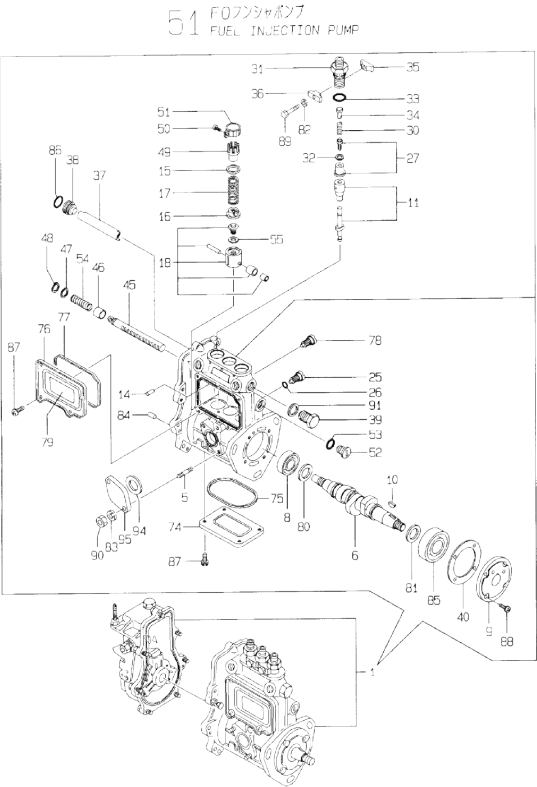


(A)=3TNE84-GH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121850-11860	PLUG, PT1/4	1							
2	1	129001-42002	PUMP ASSY, WATER	1							
12	2	23871-030000	PLUG, R03	2							
14	1	129100-42020	GASKET, WATER PUMP	1							
15	1	26106-080602	BOLT, M8X 60 PLATED	3							
16	1	119831-42290	V-BELT, A37.5	1							
17	1	129155-42350	V-PULLEY	1							
18	1	119265-44740	FAN, D=310X5F	1							
19	1	119256-44760	SPACER, FAN	1							
20	1	26106-060602	BOLT, M6X 60 PLATED	4							
21	1	129100-49840	GASKET	1							
22	1	129001-42040	JOINT	1							
23	1	24321-000300	O-RING, 1AG30.0	1							
24	1	26106-080162	BOLT, M8X 16 PLATED	3							
25	1	129350-49560	COVER, THERMOSTAT	1							
26	1	129795-49551	GASKET	1							
27	1	129155-49800	THERMOSTAT, 71	1							
28	1	129150-49811	GASKET, THERMOSTAT	1							
29	1	26106-080202	BOLT, M8X 20 PLATED	2							
30	1	121550-49111	JOINT, PT1/4	1							
31	1	121250-44901	SWITCH, 110	1							
32	1	171375-44900	SWITCH, 15	1							
33	1	171375-44910	SENSOR	1							
34	1	124465-44950	GASKET, 16	2							
34-1	1	124465-44950	GASKET, 16	1							K
(A=E16528)											
35	1	171340-44510	RADIATOR	1							
36	2	123682-44210	CAP, RADIATOR	1							
37	1	171301-49010	PIPE, WATER	1							
38	1	129211-49020	PIPE, WATER	1							
39	1	129150-49100	COCK ASSY, 3-WAY	1							
40	2	129150-49080	COCK, DRAIN	1							
42	3	119629-49080	GASKET	1							
44	1	23010-038000	CLAMP, 38	4							
45	1	129150-49360	GASKET	1							W
(A=E16528)											
46	1	171301-44560	PROTECTOR, FAN	1							
47	1	26013-080142	BOLT, M8X 14	3							
48	1	26366-080002	NUT, M8	3							

Fig.51. FUEL INJECTION PUMP

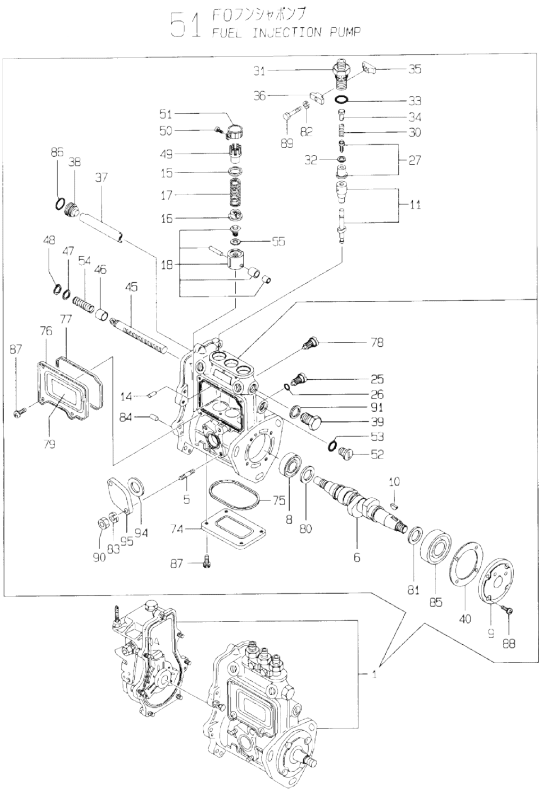


Remarks
(1) GOVERNOR ASSY(FIG.52) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729205-51400	PUMP ASSY, INJECTION	1							1
5	2	129155-51020	STUD	2							
6	2	119810-51040	CAMSHAFT	1							
8	2	129155-51050	BEARING, 17BM001D	1							
9	2	129155-51060	SUPPORT, CAMSHAFT	1							
10	2	122710-51090	KEY	1							
11	2	129412-51200	PLUNGER ASSY	3							
11-1	2	129403-51200	PLUNGER ASSY	3							N
(A=E18143)											
14	2	129155-51140	PIN	3							
15	2	174307-51170	RETAINER, SPRING A	3							
16	2	129155-51180	RETAINER, SPRING	3							
17	2	124950-51190	SPRING, PLUNGER	3							
18	2	129155-51200	TAPPET ASSY	3							
25	2	129155-51270	STOPPER, TAPPET	3							
26	2	129155-51280	O-RING, S6	3							
27	2	105300-51300	VALVE ASSY, DELIVERY	3							
30	2	129155-51320	SPRING, DELIVERY	3							
31	2	129155-51340	RETAINER	3							
32	2	124550-51350	GASKET, DELIVERY	3							
33	2	124550-51370	O-RING	3							
34	2	129155-51370	STOPPER, VALVE	3							
35	2	129155-51380	STOPPER	2							
36	2	129155-51390	STOPPER	2							
37	2	129155-51400	DEFLECTOR	1							
38	2	129155-51410	BOLT	1							
39	2	129155-51420	PLUG, M16	1							
40	2	129155-51450	SHIM SET, ADJUSTING	1							
45	2	129155-51500	RACK, CONTROL	1							
46	2	129155-51521	BUSH, RACK	1							
47	2	129155-51530	SPACER	1							
48	2	129155-51540	CIRCLIP	1							
49	2	129155-51550	PINION, CONTROL	3							
50	2	122117-51560	SCREW	3							
51	2	174307-51560	PINION	3							
52	2	129155-51570	PLUG, M12	1							
53	2	129155-51580	O-RING	1							
54	2	129155-51591	SPRING, RACK	1							
55	2	129155-51600	SHIM SET, ADJUSTING	3							
74	2	129155-51700	COVER	1							
75	2	129155-51710	GASKET	1							
76	2	129155-51750	COVER	1							
77	2	129155-51760	GASKET	1							
78	2	129155-51790	STOOPER, RACK	1							
79	2	129156-51910	LABEL, CAUTION	1							
80	2	129155-51930	SPACER, T=3.25	1							
81	2	129155-51940	SPACER, T=1.5	1							
82	2	22217-050000	WASHER, SPRING 5	2							
83	2	22217-060000	WASHER, SPRING 6	2							
84	2	22351-050010	PIN, SPRING 5.0X10	2							
85	2	24101-063034	BEARING, BALL 6303	1							

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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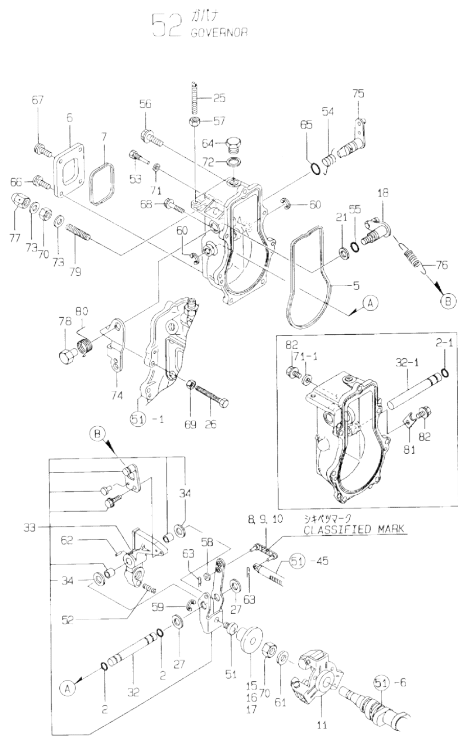
Fig.51. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY(FIG.52) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

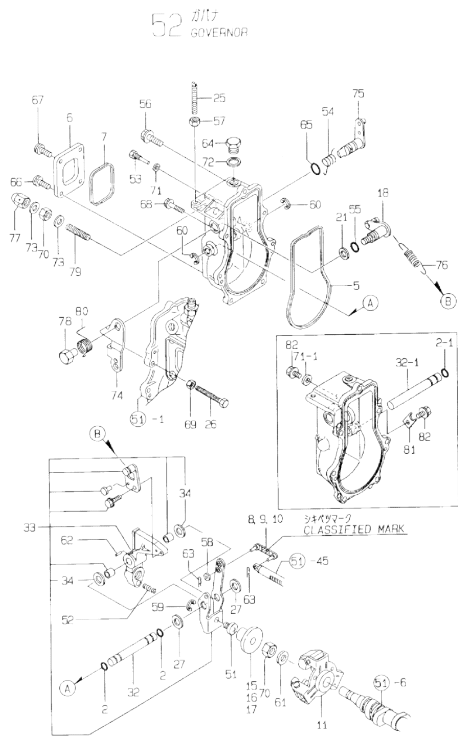
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
86	2	24341-000160	O-RING, 1AS16.0	1							
87	2	26022-050102	SCREW, M5X10	8							
88	2	26022-060162	SCREW, M6X16	4							
89	2	26116-050302	BOLT, M5X 30 PLATED	2							
90	2	26716-060002	NUT, M6	2							
91	2	22190-160002	WASHER, SEAL 16	1							
94	2	129155-52050	GASKET	1							
95	2	129100-52200	COVER	1							

Fig.52. GOVERNOR



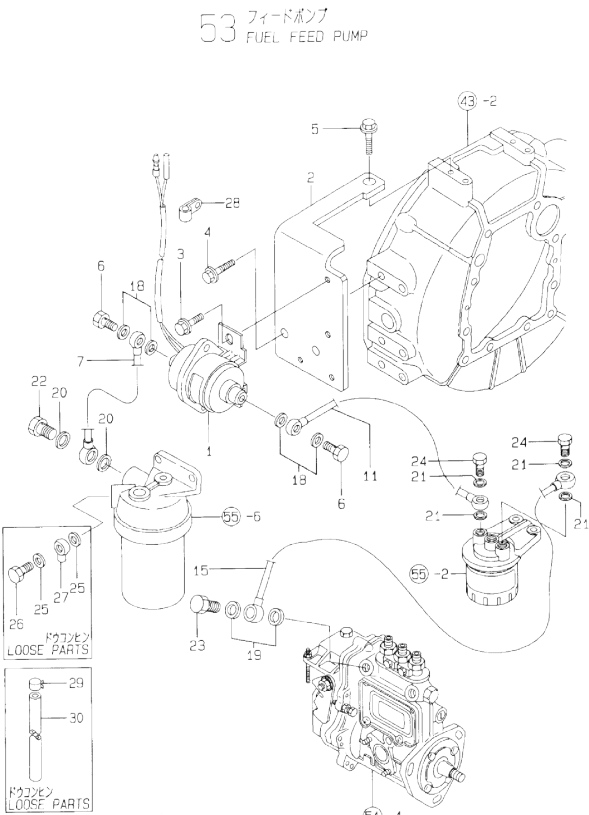
Remarks
(1) SELECTIVE PARTS: CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER (REF. TO ILLUSTRATION).
(2) SELECTIVE PART.
* THIS FIGURE (GOVERNOR ASSY) IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY (FIG. 51).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	129155-51280	O-RING, S6	2							
2-1	2	129155-51280	O-RING, S6	1							K
(A=E15837)											
5	2	129155-61050	GASKET	1							
6	2	129155-61060	COVER, GOVERNOR CASE	1							
7	2	129155-61070	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	129155-61201	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	129100-61400	SHAFT ASSY	1							
21	2	129155-61430	SPACER	1							
25	2	129155-61450	BOLT, LIMITER	1							
26	2	129155-61460	BOLT, IDLE	1							
27	2	129155-61480	SPACER ASSY	2							
32	2	129155-61490	SHAFT	1							
32-1	2	129155-61380	SHAFT	1							S
(A=E15837)											
33	2	129100-61501	LEVER ASSY, GOVERNOR	1							
34	3	174307-51700	SHIM SET	2							
51	2	129155-61540	SHIFTER	1							
52	2	129500-61650	SPRING, FUEL CONTROL	1							
53	2	129155-61810	PIN	1							
54	2	129100-61821	SPRING, RETURN	1							
55	2	129155-61830	O-RING, S10	1							
56	2	129155-61950	BOLT	1							
57	2	124550-66370	NUT, M6	1							
58	2	22117-040000	WASHER, 4	1							
59	2	22272-000040	RING, E- 4	1							
60	2	22272-000060	RING, E- 6	2							Z
(A=E15837)											
61	2	22287-120000	WASHER, 12	1							
62	2	22351-030016	PIN, SPRING 3.0X16	1							
63	2	22372-040000	PIN, SNAP 4	2							
64	2	23887-100002	PLUG, 10	1							
65	2	24311-240100	O-RING, 1AP10A	1							
66	2	26022-050102	SCREW, M5X10	2							
67	2	26023-050102	SCREW, M5X10	2							
68	2	26106-060202	BOLT, M6X 20 PLATED	6							
69	2	26756-060002	NUT, LOCK M6	1							
70	2	26776-120002	NUT, LOCK M12	2							
71	2	22190-060002	WASHER, SEAL 6	1							
71-1	2	22190-060002	WASHER, SEAL 6	2							K
(A=E15837)											
72	2	22190-100002	WASHER, SEAL 10	1							
73	2	22190-120002	WASHER, SEAL 12	2							
74	2	171488-61440	LEVER, CONTROL	1							
75	2	129155-61802	LEVER, STOP	1							



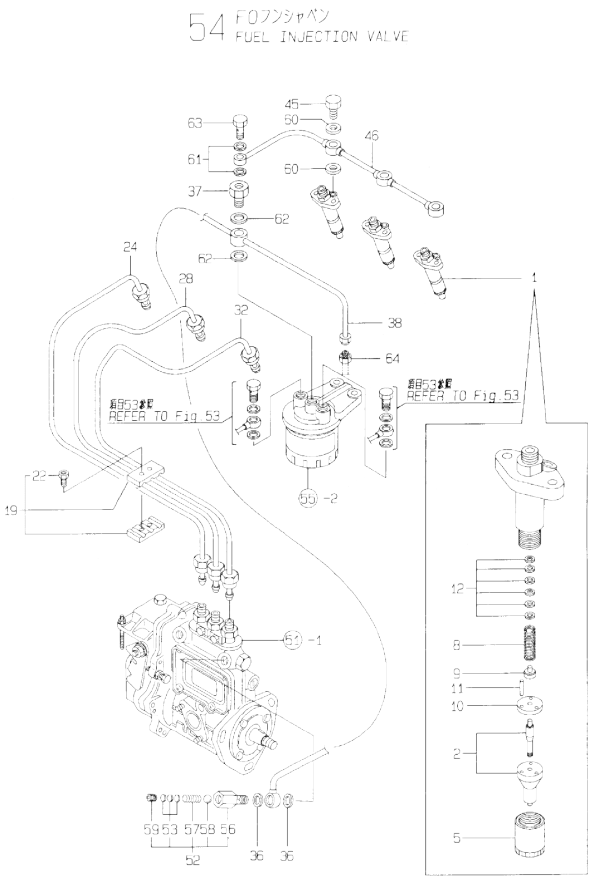
Remarks
(1) SELECTIVE PARTS:CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER (REF.TO.ILLUSTRATION).
(2) SELECTIVE PART.
* THIS FIGURE(GOVERNOR.ASSY)IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY(FIG.51).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
76	2	129500-61700	SPRING, GOVERNOR	1							
77	2	26687-120002	NUT, CAP M12	1							
78	2	129255-61410	NUT, LOCK	1							
79	2	129155-61470	BOLT, CONTROL	1							
80	2	129255-61420	SPRING, RETURN	1							
81	2	119660-61901	RETAINER, SHAFT	1							W
82	2	26106-060102	BOLT, M6X 10 PLATED	2							W

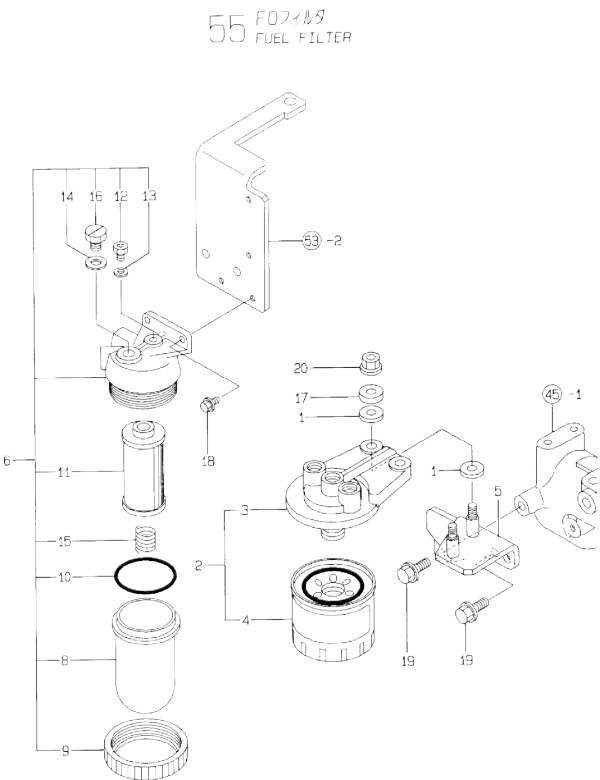


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124790-52201	PUMP ASSY, FUEL FEED	1							
2	1	171375-52501	BRACKET, PUMP	1							
3	1	26106-060102	BOLT, M6X 10 PLATED	2							
4	1	26106-080162	BOLT, M8X 16 PLATED	2							
5	1	26106-100162	BOLT, M10X 16 PLATED	1							
6	1	105582-59150	BOLT, PIPE JOINT	2							
7	1	171375-59500	PIPE ASSY, FUEL	1							
11	1	171375-59511	PIPE ASSY, FUEL	1							
15	1	171375-59521	PIPE ASSY, FUEL	1							
18	1	23414-080012	GASKET, 8X1.0	4							
19	1	23414-120000	GASKET, 12X1.0	2							
20	1	23414-120000	GASKET, 12X1.0	2							
21	1	23414-120000	GASKET, 12X1.0	4							
22	1	23857-060000	BOLT, JOINT 6	1							
23	1	23857-060000	BOLT, JOINT 6	1							
24	1	23857-060000	BOLT, JOINT 6	2							
25	1	23414-120000	GASKET, 12X1.0	2							
26	1	23857-060000	BOLT, JOINT 6	1							
27	1	103854-39540	JOINT, PIPE	1							
28	1	194440-51620	CLAMP	1							
29	1	124766-59050	CLIP, HOSE 12	4							
30	1	124732-59080	PIPE, FUEL D12X1000	1							

Fig.54. FUEL INJECTION VALVE



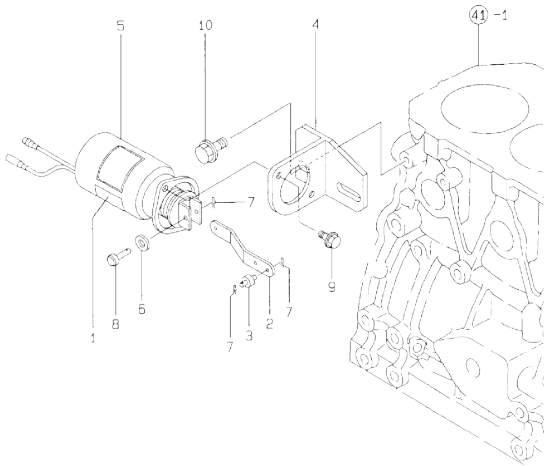
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729100-53300	VALVE ASSY,INJECTION	3							
2	2	129100-53000	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
8	2	114250-53120	SPRING, NOZZLE	3							
9	2	114250-53130	SEAT, SPRING	3							
10	2	114250-53140	PLATE	3							
11	2	114250-53210	PIN	6							
12	2	114250-53400	SHIM SET	3							
19	1	129150-59120	RETAINER, PIPE	1							
22	2	129150-59131	BOLT, M4X14	2							
24	1	129100-59811	PIPE ASSY, INJECTION	1							
28	1	129100-59821	PIPE ASSY, INJECTION	1							
32	1	129100-59831	PIPE ASSY, INJECTION	1							
36	1	104200-59170	GASKET, 12	2							
37	1	129495-59300	BOLT, PIPE JOINT	1							
38	1	171375-59530	PIPE ASSY, FUEL	1							
45	1	129491-59540	BOLT, PIPE JOINT M6	3							
46	1	171375-59551	PIPE ASSY, RETURN	1							
52	1	129100-59951	VALVE ASSY, CHECK	1							
53	2	129100-59850	SHIM SET	1							
56	2	129100-59961	BODY, VALVE	1							
57	2	129100-59970	SPRING	1							
58	2	24190-080001	BALL, STEEL 1/4	1							
59	2	27241-100000	PLUG, 10	1							
60	1	23414-060000	GASKET, 6X1.0	6							
61	1	23414-080012	GASKET, 8X1.0	2							
62	1	23414-140000	GASKET, 14X1.0	2							
63	1	23851-030000	JOINT BOLT 3	1							
64	1	43551-001451	UNION 8(M)	1							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160610-55460	INSULATOR	4							
2	1	129470-55601	FILTER ASSY, FUEL	1							
3	2	129470-55610	BODY, STRAINER	1							
4	2	129470-55701	STRAINER ASSY, FUEL	1							
5	1	171375-55612	BRACKET, STRAINER	1							
6	1	171081-55900	FILTER ASSY, PRE	1							
8	2	121370-55730	CUP, STRAINER	1							
9	2	110250-55610	RING, RETAINING	1							
10	2	103854-32050	O-RING	1							
11	2	171081-55910	SCREEN	1							
12	2	101720-55750	PLUG, 6	1							
13	2	23418-060000	GASKET, 6X1.0	1							
14	2	23414-080012	GASKET, 8X1.0	1							
15	2	121257-55720	SPRING	1							
16	2	135210-51900	PLUG	1							
17	1	121236-77340	SPACER	2							
18	1	26106-060142	BOLT, M6X 14 PLATED	2							
19	1	26106-080162	BOLT, M8X 16 PLATED	2							
20	1	26366-080002	NUT, M8	2							

Fig.56. ENGINE STOP DEVICE

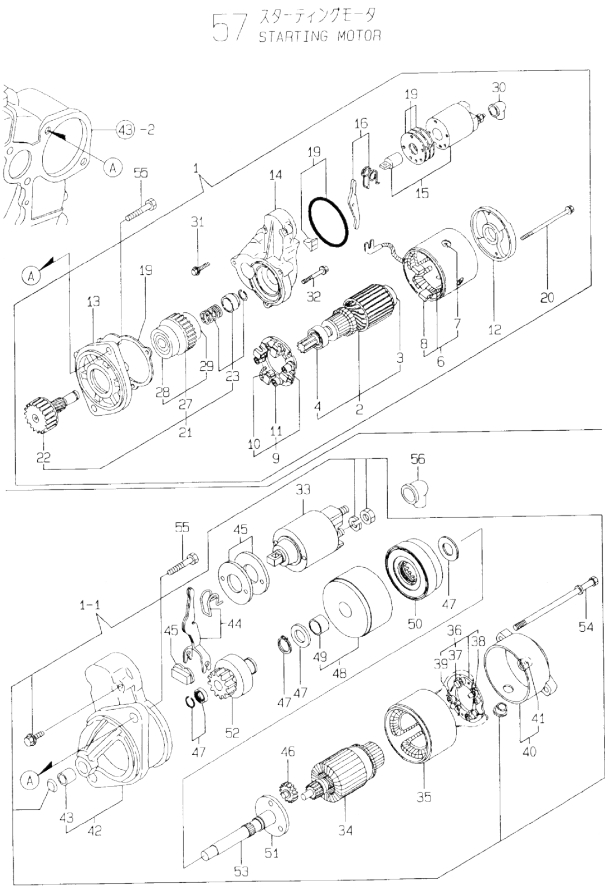
56 エンジンストップ装置
ENGINE STOP DEVICE



(A)=3TNE84-GH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171010-65100	LABEL	1							
2	1	171335-65110	LINK, SOLENOID	1							
3	1	171335-65120	PIN	1							
4	1	171335-65130	BRACKET, SOLENOID	1							
5	1	171335-77951	SOLENOID, MAGNETIC	1							
6	1	22117-050000	WASHER, 5	1							
7	1	22360-050000	SNAP PIN 5	3							
8	1	22487-050160	PIN, H 5X 16	1							
9	1	26106-060122	BOLT, M6X 12 PLATED	2							
10	1	26106-080142	BOLT, M8X 14 PLATED	2							



(A)=3TNE84-GH
(B)=
(C)=

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

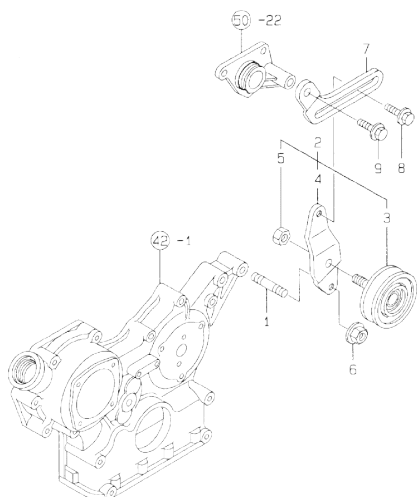
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171008-77010	STARTER, S114-483	1							
1-1	1	129698-77010 (A=E19035)	STARTER, 12V1.2KW	1							R
2	2	171008-77400 (A=E19035)	ARMATURE ASSY	1							Z
3	3	171008-77410 (A=E19035)	BEARING	1							Z
4	3	171008-77420 (A=E19035)	BEARING	1							Z
6	2	171008-77440 (A=E19035)	COIL ASSY, FIELD	1							Z
7	3	171008-77450 (A=E19035)	SCREW	4							Z
8	3	171008-77460 (A=E19035)	BRUSH (+)	2							Z
9	2	171008-77470 (A=E19035)	HOLDER ASSY, BRUSH	1							Z
10	3	171008-77480 (A=E19035)	BRUSH (-)	2							Z
11	3	171008-77490 (A=E19035)	SPRING, BRUSH	4							Z
12	2	171008-77500 (A=E19035)	COVER, REAR	1							Z
13	2	171008-77510 (A=E19035)	CASE, GEAR	1							Z
14	2	171008-77520 (A=E19035)	HOUSING, CENTER	1							Z
15	2	171008-77530 (A=E19035)	SWITCH, MAGNETIC	1							Z
16	2	171008-77540 (A=E19035)	LEVER SET	1							Z
19	2	171008-77571 (A=E19035)	COVER KIT, DUST	1							Z
20	2	171008-77640 (A=E19035)	BOLT, THROUGH	2							Z
21	2	171008-77650 (A=E19035)	PINION ASSY	1							Z
22	3	171008-77660 (A=E19035)	SHAFT	1							Z
23	3	171008-77670 (A=E19035)	STOPPER SET	1							Z
27	3	171008-77720 (A=E19035)	CLUTCH ASSY	1							Z
28	4	171008-77730 (A=E19035)	BEARING, BALL	1							Z
29	4	171008-77740 (A=E19035)	BEARING	1							Z
30	2	171008-77750 (A=E19035)	COVER	1							Z
31	2	26106-060322 (A=E19035)	BOLT, M6X 32 PLATED	2							Z

N:Old $\frac{NBS}{100}$ New, Q:Old $\frac{HIS}{100}$ New, R:Old $\frac{HIS}{100}$ New, S:Old $\frac{HIS}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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N:Old ^{Yes}/_{No} New. Q:Old ^{No}/_{Yes} New. R:Old ^{Yes}/_{Yes} New. S:Old ^{No}/_{No} New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change

58



				(A)=3TNE84-GH (B)= (C)=	Q'ty (D)= (E)= (F)=					I	R
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121450-01570	STUD	1							
2	1	171375-44300	PULLEY ASSY, TENSION	1							
3	2	171011-44301	PULLEY, TENSION	1							
4	2	171375-44320	BRACKET, PULLEY	1							
5	2	26706-100002	NUT, M10	1							
6	1	26366-100002	NUT, M10	1							
7	1	129400-77330	ADJUSTER	1							
8	1	26014-080252	BOLT, M8X 25	1							
9	1	26106-080502	BOLT, M8X 50 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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Fig.60. GASKET SET

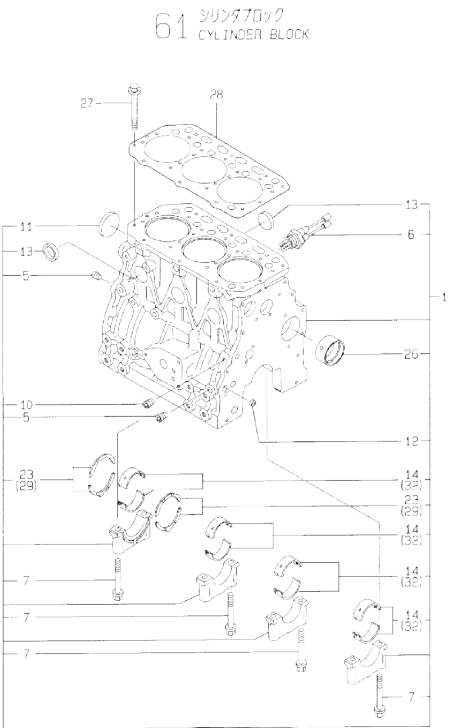
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(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729002-92680	GASKET SET	1							1
2	2	129002-01331	GASKET, HEAD	1							
3	2	124240-01883	GASKET	1							
4	2	121850-51960	O-RING	1							
5	2	124460-11340	SEAL, VALVE STEM	3							
6	2	119625-11871	PROTECTOR, NOZZLE	3							
7	2	119625-11880	SEAT, NOZZLE	3							
8	2	129150-11310	GASKET, BONNET	1							
9	2	129150-77511	GASKET	1							
10	2	129150-12111	GASKET, MANIFOLD	1							
11	2	129150-13110	GASKET	1							
12	2	121400-11340	SEAL, VALVE STEM	3							
13	2	129150-32020	GASKET, PUMP	1							
14	2	129150-35041	GASKET	1							
15	2	129100-42020	GASKET, WATER PUMP	1							
16	2	129795-49551	GASKET	1							
17	2	129150-49811	GASKET, THERMOSTAT	1							
18	2	129100-49840	GASKET	1							
19	2	22190-080002	WASHER, SEAL 6	5							
20	2	23414-080012	GASKET, 8X1.0	6							
21	2	23414-060000	GASKET, 6X1.0	6							
22	2	23414-140000	GASKET, 14X1.0	2							
23	2	23414-080000	GASKET, 8X1.0	2							
24	2	23414-100000	GASKET, 10X1.0	2							
25	2	23414-120000	GASKET, 12X1.0	10							
26	2	23414-170000	GASKET, 17X1.0	1							
27	2	124465-44950	GASKET, 16	2							
27-1	2	124465-44950	GASKET, 16	1							K
(A=E16528)											
28	2	129150-49360	GASKET	1							
28-1	2	129150-49360	GASKET	2							K
(A=E16528)											
29	2	24311-000120	O-RING, 1AP12.0	3							
30	2	24311-000160	O-RING, 1AP16.0	3							
31	2	24311-000320	O-RING, 1AP32.0	2							
32	2	24341-000240	O-RING, 1AS24.0	1							
33	2	24341-000500	O-RING, 1AS50.0	1							
34	2	24321-000300	O-RING, 1AG30.0	1							
35	2	129150-35111	GASKET	1							
36	2	124450-11900	GASKET	1							
37	2	104200-59170	GASKET, 12	2							
38	1	721400-92102	BOX ASSY, TOOL	1							
39	2	104200-92350	DRIVER, SCREW	1							
40	2	104200-92600	BOX, TOOL	1							
41	2	28110-100120	SPANNER, 10X12	1							
42	2	28110-140170	SPANNER, 14X17	1							
43	2	28110-190220	SPANNER, 19X22	1							
44	2	28210-000140	OILER	1							
45	1	129400-92420	HONE	1							1
46	1	977770-01212	GASKET, LIQUID	1							1

Remarks
(1) OPTIONAL PART.

Fig.61. CYLINDER BLOCK

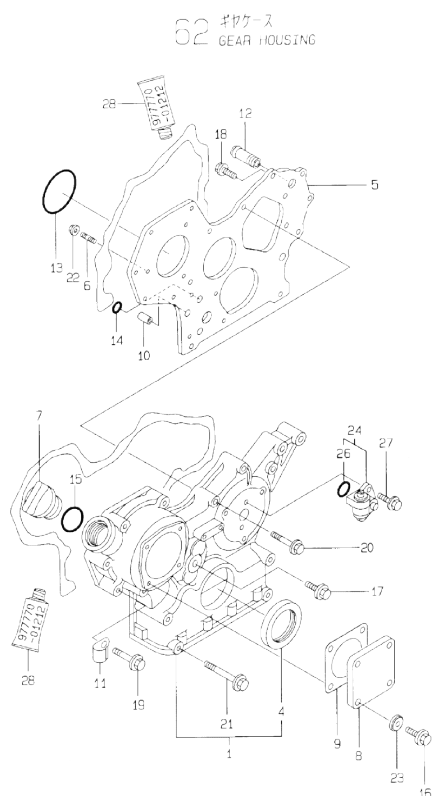


(A)=3TNE84T-GH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729215-01560	BLOCK ASSY, CYLINDER	1							
5	2	124160-01910	PLUG, PT1/4	3							
6	2	46150-504600	HEATER	1							
6-1	2	124097-77900	HEATER, COOLING WATER	1						N	
		(A=E64530)									
7	2	129150-02020	BOLT, METAL CAP	8							
10	2	23871-010000	PLUG, R01	1							
11	2	27231-500000	PLUG 50	1							
12	2	27241-120000	PLUG, 12	2							
13	2	27241-300000	PLUG 30	6							
14	2	129001-02800	BEARING, MAIN	4							
23	2	129150-02930	BEARING, THRUST	2							
26	2	129795-02411	BUSH, CAMSHAFT	1							
27	1	129150-01200	BOLT, HEAD	14							
28	1	129002-01331	GASKET, HEAD	1							
29	1	129150-02940	BEARING, THRUST 0.25	2							1
32	1	129150-02870	BEARING, 0.25 US	4							2

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

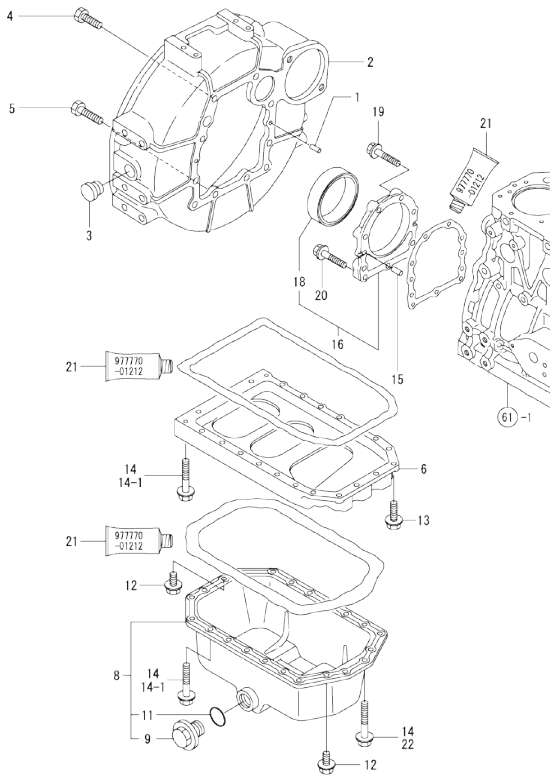


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719810-01500	CASE ASSY, GEAR	1							
4	2	129795-01800	SEAL, OIL	1							
5	1	129103-01530	FLANGE, GEAR CASE	1							
6	1	121450-01560	STUD, M8X22	3							
7	1	124160-01751	COVER, FILLER	1							
8	1	124240-01871	COVER	1							
9	1	124240-01883	GASKET	1							
10	1	129795-01950	PIPE, KNOCK L=18	2							
11	1	129150-03100	RETAINER, PIPE	1							
12	1	129122-44480	JOINT	1							
13	1	121850-51960	O-RING	1							
14	1	243311-000160	O-RING, 1AP16.0	2							
15	1	243311-000320	O-RING, 1AP32.0	1							
16	1	26106-080122	BOLT, M8X 12 PLATED	4							
17	1	26106-080162	BOLT, M8X 16 PLATED	1							
18	1	26106-080202	BOLT, M8X 20 PLATED	2							
19	1	26106-080452	BOLT, M8X 45 PLATED	6							
20	1	26106-080552	BOLT, M8X 55 PLATED	3							
21	1	26106-080852	BOLT, M8X 85 PLATED	4							
22	1	26366-080002	NUT, M8	3							
23	1	22190-080002	WASHER, SEAL 6	4							
24	1	129150-91400	GEAR	1							
26	2	24341-000240	O-RING, 1AS24.0	1							
27	1	26106-060162	BOLT, M6X 16 PLATED	2							
28	1	977770-01212	GASKET, LIQUID	1							

(1) OPTIONAL PART.

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.63. FLYWHEEL HOUSING &LUB.OIL SUMP

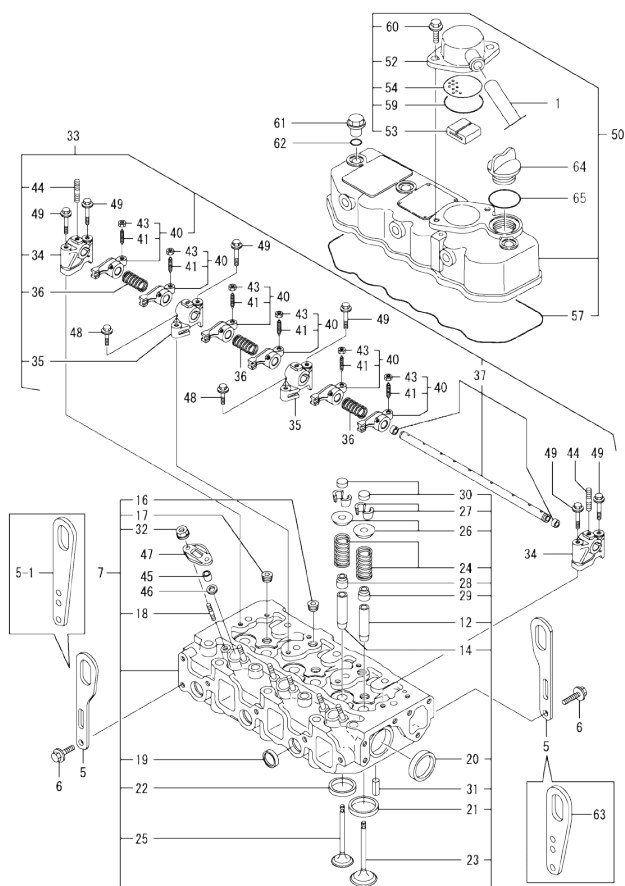


Remarks
(1) OPTIONAL PART.

(A)=3TNE84T-GH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2							
2	1	171301-01600	HOUSING, FLYWHEEL	1							
3	1	119620-01750	CAP	1							
4	1	26206-100252	BOLT, M10X 25 PLATED	6							
5	1	26206-100302	BOLT, M10X 30 PLATED	4							
6	1	129100-01730	SPACER, OIL SUMP	1							
8	1	129100-01760	SUMP ASSY, OIL	1							
9	2	171301-01640	PLUG, 22	1							
11	2	24341-000250	O-RING, 1AS25.0	1							
12	1	26106-080162	BOLT, M8X 16 PLATED	4							
13	1	26106-080252	BOLT, M8X 25 PLATED	2							
14	1	26106-080452	BOLT, M8X 45 PLATED	20							
14-1	1	26106-080452	BOLT, M8X 45 PLATED	16							K
(A=FROM 1ST)											
15	1	129100-01580	PIN, M8X16	2							
16	1	129100-01640	CASE ASSY, OIL SEAL	1							
18	2	129795-01780	SEAL, OIL	1							
19	1	26106-080302	BOLT, M8X 30 PLATED	6							
19-1	1	129486-01670	BOLT, M8X30	6							R
(A=E14830)											
20	1	26106-080352	BOLT, M8X 35 PLATED	3							
21	1	977770-01212	GASKET, LIQUID	1							1
22	1	26106-080502	BOLT, M8X 50 PLATED	4							W
(A=FROM 1ST)											



Remarks
(1) REPAIR PART.

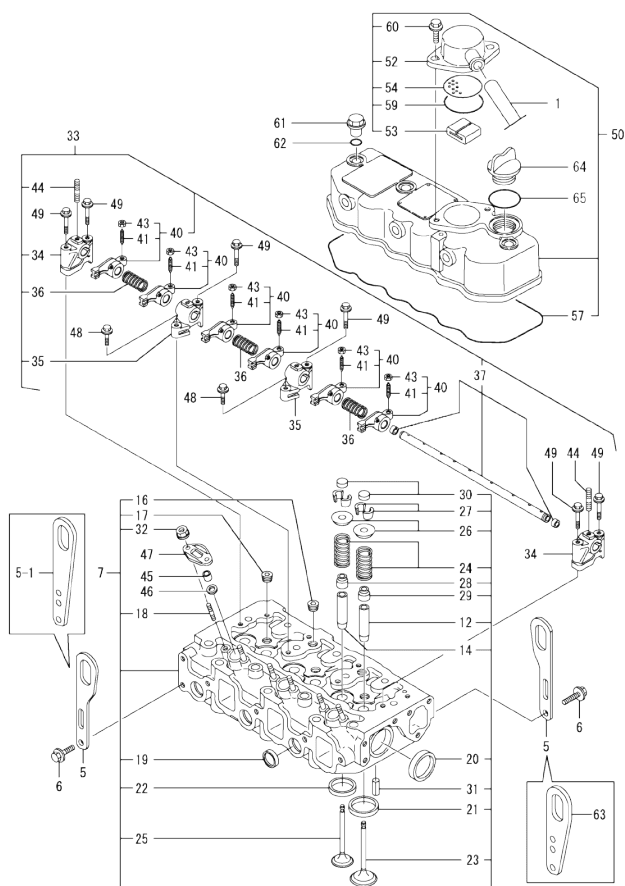
(D)=
(E)=

(A)=3TNE84T-GH
(B)=
(C)=

No.	Lev.	Parts No.	Description	(F) Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-03090	HOSE, ID16X2T	1							
5	1	124736-07900	LIFTER	2							
5-1	1	129900-07900	LIFTER	1							N
(A="2009.08)											
6	1	26106-080142	BOLT, M8X 14 PLATED	4							
7	1	729202-11710	HEAD ASSY, CYLINDER	1							
12	2	120130-11860	GUIDE, VALVE	3							1
14	2	129150-11810	GUIDE, VALVE	3							1
16	2	23871-020000	PLUG, R02	2							
17	2	23871-030000	PLUG, R03	3							
18	2	26216-060202	STUD, M6X 20	6							
19	2	27241-220000	PLUG, 22	3							
20	2	27241-400000	PLUG, 40	2							
21	2	129470-11080	SEAT, INTAKE VALVE	3							
22	2	129470-11090	SEAT, EXHAUST VALVE	3							
23	2	129100-11100	VALVE, INTAKE	3							
24	2	129795-11120	SPRING, VALVE	6							
25	2	129100-11130	VALVE, EXHAUST	3							
26	2	129795-11180	RETAINER, SPRING	6							
27	2	27310-080001	COTTER, 8	6							
28	2	121400-11340	SEAL, VALVE STEM	3							
29	2	124460-11340	SEAL, VALVE STEM	3							
30	2	129150-11370	CAP, VALVE	6							
31	2	22351-060012	PIN, SPRING 6.0X12	2							
32	2	26366-060002	NUT, M6	6							
33	1	129155-11241	SHAFT ASSY, ROCKER	1							
34	2	129155-11260	SUPPORT, ROCKER ARM	2							
35	2	129155-11270	SUPPORT, ROCKER ARM	2							
36	2	129150-11280	SPRING	3							
37	2	129150-11290	SHAFT, ROCKER ARM	1							
40	2	729402-11650	ARM ASSY, ROCKER	6							
41	3	129150-11230	SCREW, VALVE ADJUST	6							
43	3	129150-11750	NUT, M8	6							
44	2	26226-080182	STUD, M8X 18	3							
45	1	119625-11871	PROTECTOR, NOZZLE	3							
46	1	119625-11880	SEAT, NOZZLE	3							
47	1	119625-11900	RETAINER, NOZZLE	3							
48	1	26106-080252	BOLT, M8X 25 PLATED	2							
49	1	26106-080502	BOLT, M8X 50 PLATED	6							
50	1	129100-11350	BONNET ASSY, HEAD	1							
52	2	129150-03020	COVER, BREATHER	1							
53	2	129150-03070	BAFFLE, BREATHER	1							
54	2	129150-03080	PLATE, BAFFLE	1							
57	2	129150-11310	GASKET, BONNET	1							
59	2	24341-000500	O-RING, 1ASS0.0	1							
60	2	26106-080162	BOLT, M8X 16 PLATED	2							
61	1	124160-11360	KNOB	3							
62	1	24311-000120	O-RING, 1AP12.0	3							
63	1	119226-07900	LIFTER	1							W
(A="2009.08)											
64	1	124160-01751	COVER, FILLER	1							

N:Old ☐ Yes ☒ New. Q:Old ☐ Yes ☒ New. R:Old ☐ Yes ☒ New. S:Old ☐ Yes ☒ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change
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Remarks
(1) REPAIR PART.

(A)=3TNE84T-GH
(B)=
(C)=

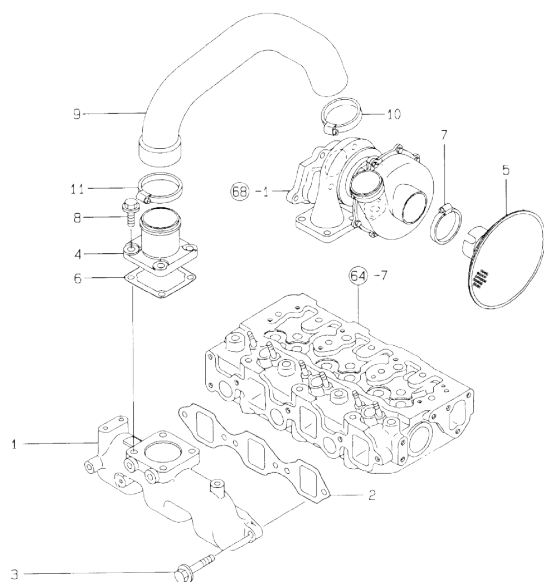
(D)=
(E)=
(F)=

Q'ty

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
65	1	24311-000320	O-RING, 1AP32.0	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:Qty Change

65 キュウキマニホールド
SUCTION MANIFOLD



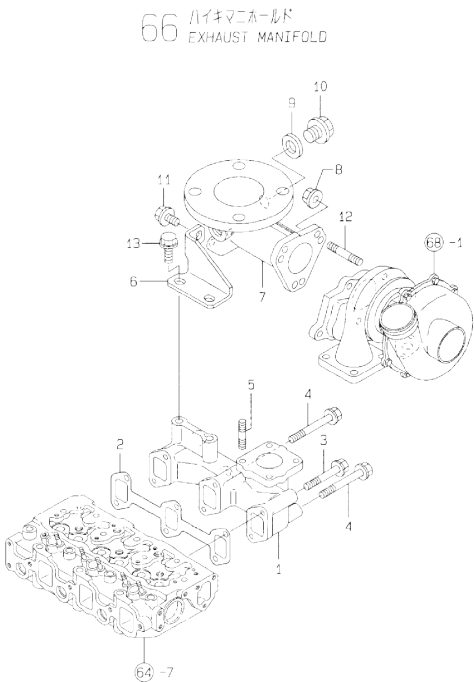
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129150-12100	MANIFOLD, AIR INTAKE	1							
2	1	129150-12111	GASKET, MANIFOLD	1							
3	1	26106-080252	BOLT, M8X 25 PLATED	4							
4	1	171463-12581	JOINT, MANIFOLD	1							
5	1	129412-12460	COVER	1							
6	1	129150-77511	GASKET	1							
7	1	23000-054000	CLAMP, 54	1							
8	1	26106-080352	BOLT, M8X 35 PLATED	4							
9	1	129103-12080	PIPE, AIR INTAKE	1							
10	1	23000-054000	CLAMP, 54	1							
11	1	23000-070000	CLAMP, 70	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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Fig.66. EXHAUST MANIFOLD

(A)=3TNE84T-GH
(B)=
(C)=

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



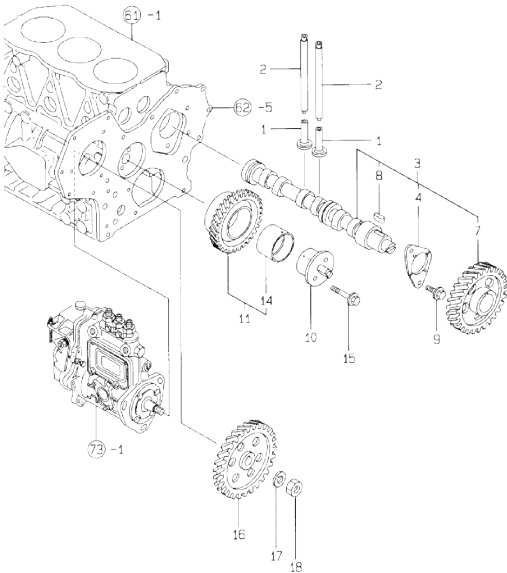
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129103-13110	MANIFOLD, EXHAUST	1							
2	1	129150-13110	GASKET	1							
3	1	26106-080502	BOLT, M8X 50 PLATED	2							
4	1	26106-080602	BOLT, M8X 60 PLATED	4							
5	1	26216-080222	STUD, M8X 22	4							
6	1	129215-18290	SUPPORT	1							
7	1	129412-18391	BEND, EXHAUST	1							
8	1	194990-22050	NUT, M8	3							
9	1	23414-170000	GASKET, 17X1.0	2							
10	1	23894-030002	PLUG, G3/8	2							
11	1	26106-080142	BOLT, M8X 14 PLATED	1							
12	1	26216-080222	STUD, M8X 22	3							
13	1	26106-100162	BOLT, M10X 16 PLATED	2							

Fig.67. CAMSHAFT & DRIVING GEAR

(A)=3TNE84T-GH
(B)=
(C)=

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

67 カムシャフト & ドライブギヤ
CAMSHAFT & DRIVING GEAR



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	26106-080162	BOLT, M8X 16 PLATED	2							
9-1	1	26106-080142	BOLT, M8X 14 PLATED	2							N
(A=E14476)											
10	1	129100-25061	SHAFT, IDLE	1							
11	1	129150-25101	GEAR ASSY, IDLE	1							
14	2	129150-25920	BUSH, IDLE GEAR	1							1
15	1	26106-080452	BOLT, M8X 45 PLATED	2							
16	1	129150-25900	GEAR, PUMP	1							
17	1	22217-120000	WASHER, SPRING 12	1							
18	1	26716-120002	NUT, M12	1							

Remarks
(1) REPAIR PART.

N:Old $\frac{YES}{NO}$ New, Q:Old $\frac{RIS}{YES}$ New, R:Old $\frac{YES}{YES}$ New, S:Old $\frac{RIS}{NO}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.69. CRANKSHAFT & PISTON

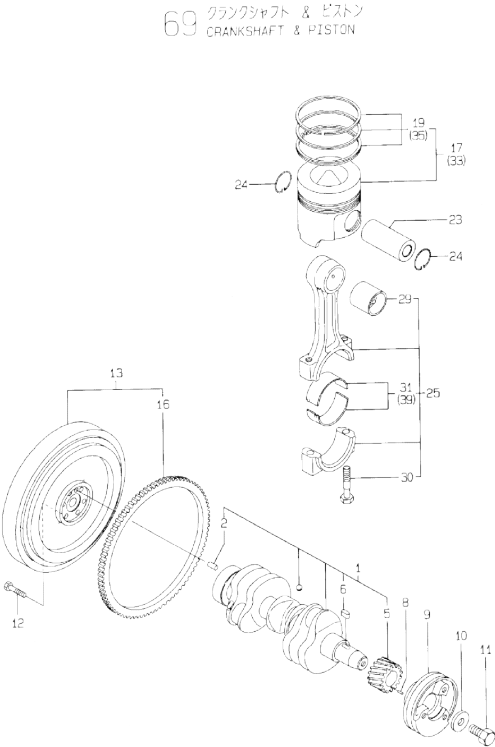
(A)=3TNE84T-GH
(B)=
(C)=

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

Q'ty

I R

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129001-21000	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	22351-040010	PIN, SPRING 4.0X10	1							
9	1	171340-21650	V-PULLEY	1							
10	1	129795-21661	WASHER	1							
11	1	121850-21680	BOLT	1							
12	1	121111-21501	BOLT, FLYWHEEL	6							
13	1	171340-21580	FLYWHEEL ASSY	1							
16	2	119865-21600	GEAR, RING	1							
17	1	129002-22090	PISTON ASSY	3							
19	2	129002-22510	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	129002-22900	PISTON ASSY, 0.25 OS	3							2
35	2	129002-22950	RING SET, 0.25 OS	3							2
39	1	129150-23610	BEARING, 0.25 US	3							3



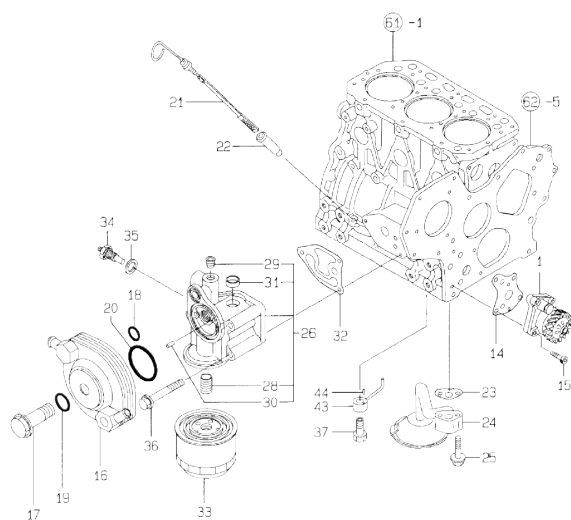
Remarks
(1) REPAIR PART.
(2) OVER-SIZE(O.S=0.25)PART.
(3) UNDER-SIZE(U.S=0.25)PART.

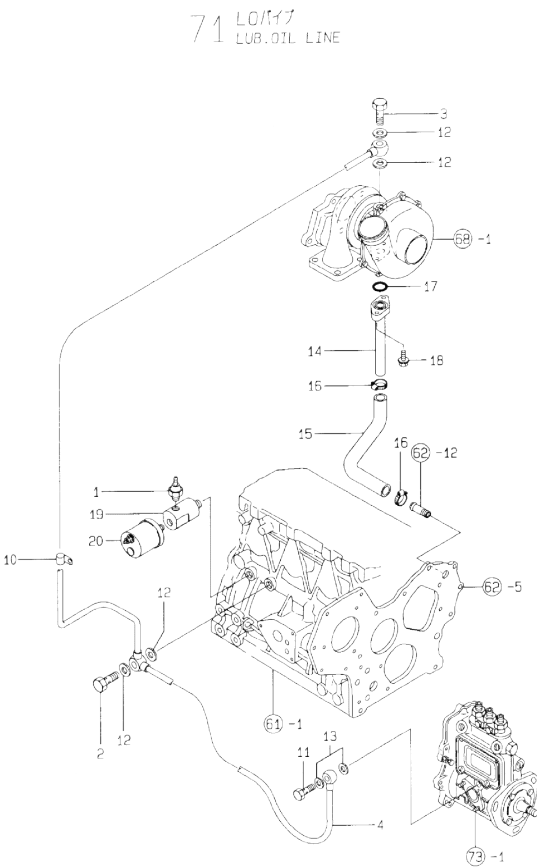
Fig.70. LUB.OIL SYSTEM

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

Q'ty	I	R
------	---	---

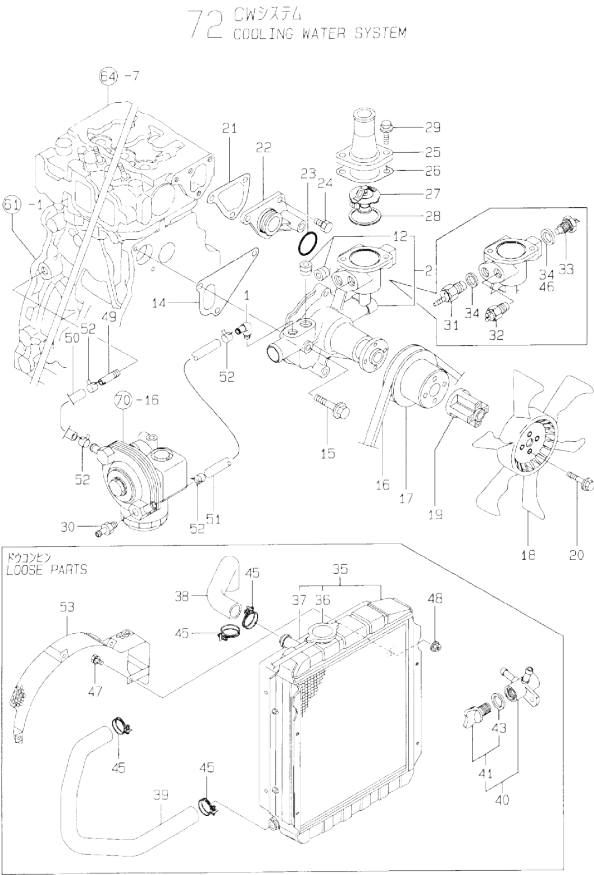
N:Old ^{YES}/_{NO} New. Q:Old ^{NO}/_{YES} New. R:Old ^{YES}/_{YES} New. S:Old ^{NO}/_{NO} New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Qty Change





No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124160-39450	SWITCH, 0.5KG	1							
2	1	124160-39140	BOLT, PIPE JOINT M10	1							
3	1	121252-39150	BOLT, JOINT M10X1.5	1							
4	1	129103-39451	PIPE ASSY, OIL	1							
10	1	124223-39900	RETAINER	1							
11	1	124550-59820	BOLT, PIPE JOINT M8	1							
12	1	23414-100000	GASKET, 10X1.0	4							
13	1	22190-080002	WASHER, SEAL 6	2							
14	1	129103-39600	PIPE, OIL	1							
15	1	129103-39611	JOINT, PIPE	1							
16	1	23000-022000	CLAMP, 22	2							
17	1	24314-000160	O-RING, 4CP16.0	1							
18	1	26106-060162	BOLT, M6X 16 PLATED	2							
19	1	171375-39601	DAMPER, 1/8	1							
20	1	144626-91560	SENSOR	1							

Fig.72. COOLING WATER SYSTEM

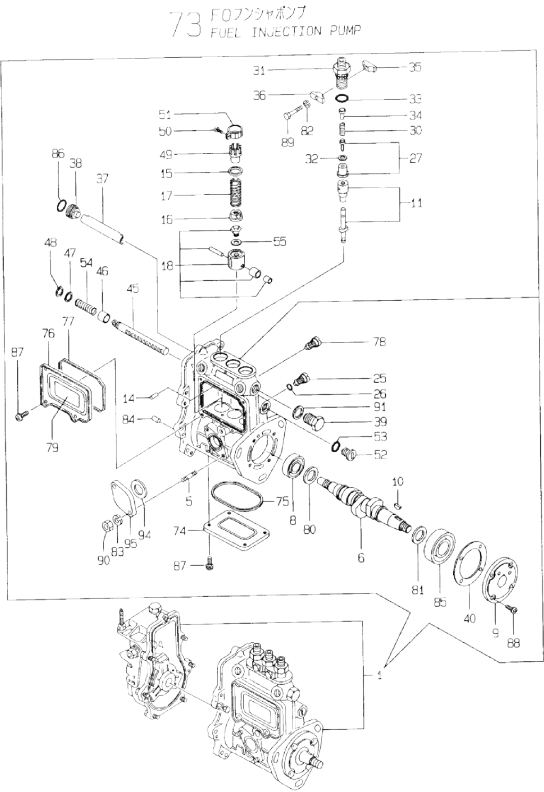


(A)=3TNE84T-GH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129103-49301	ELBOW, PT1/4	1							
2	1	129001-42002	PUMP ASSY, WATER	1							
12	2	23871-030000	PLUG, R03	2							
14	1	129100-42020	GASKET, WATER PUMP	1							
15	1	26106-080602	BOLT, M8X 60 PLATED	3							
16	1	25132-003800	V-BELT, A38	1							
17	1	129403-42380	V-PULLEY, D=110	1							
18	1	129432-44740	FAN, COOLING D370XEF	1							
19	1	129030-44760	SPACER, FAN L38.5	1							
20	1	26106-060502	BOLT, M6X 50 PLATED	4							
21	1	129100-49840	GASKET	1							
22	1	129001-42040	JOINT	1							
23	1	24321-000300	O-RING, 1AG30.0	1							
24	1	26106-080162	BOLT, M8X 16 PLATED	3							
25	1	129350-49560	COVER, THERMOSTAT	1							
26	1	129795-49551	GASKET	1							
27	1	129155-49800	THERMOSTAT, 71	1							
28	1	129150-49811	GASKET, THERMOSTAT	1							
29	1	26106-080202	BOLT, M8X 20 PLATED	2							
30	1	121550-49111	JOINT, PT1/4	1							
31	1	121250-44901	SWITCH, 110	1							
32	1	171375-44900	SWITCH, 15	1							
33	1	171375-44910	SENSOR	1							
34	1	124465-44950	GASKET, 16	2							
34-1	1	124465-44950	GASKET, 16	1							K
(A=E16575)											
35	1	171460-44500	RADIATOR	1							
36	2	124450-44590	CAP, RADIATOR	1							
37	2	171460-44560	SHROUD	1							
38	1	171420-49010	PIPE, WATER	1							
39	1	129608-49020	PIPE, WATER	1							
40	1	129150-49100	COCK ASSY, 3-WAY	1							
41	2	129150-49080	COCK, DRAIN	1							
43	3	119629-49080	GASKET	1							
45	1	23010-038000	CLAMP, 38	4							
46	1	129150-49360	GASKET	1							W
(A=E16575)											
47	1	26013-080142	BOLT, M8X 14	4							
48	1	26366-080002	NUT, M8	4							
49	1	129122-44480	JOINT	1							
50	1	129403-49031	PIPE, WATER	1							
51	1	129403-49050	PIPE, WATER	1							
52	1	23000-022000	CLAMP, 22	4							
53	1	129411-44560	PROTECTOR, FAN	1							

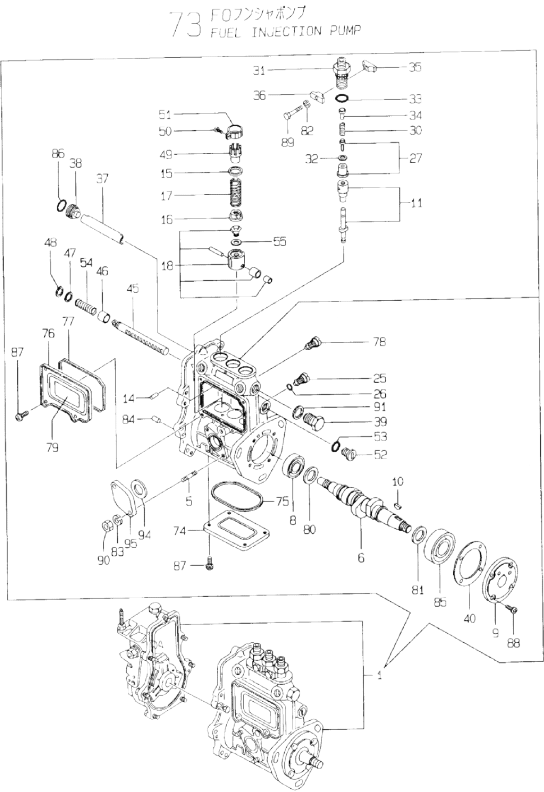
Fig.73. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY(FIG.74) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729215-51400	PUMP ASSY, INJECTION	1							1
5	2	129155-51020	STUD	2							
6	2	119810-51040	CAMSHAFT	1							
8	2	129155-51050	BEARING, 17BM001D	1							
9	2	129155-51060	SUPPORT, CAMSHAFT	1							
10	2	122710-51090	KEY	1							
11	2	129403-51200	PLUNGER ASSY	3							
14	2	129155-51140	PIN	3							
15	2	174307-51170	RETAINER, SPRING A	3							
16	2	129155-51180	RETAINER, SPRING	3							
17	2	124950-51190	SPRING, PLUNGER	3							
18	2	129155-51200	TAPPET ASSY	3							
25	2	129155-51270	STOPPER, TAPPET	3							
26	2	129155-51280	O-RING, S6	3							
27	2	105300-51300	VALVE ASSY, DELIVERY	3							
30	2	129155-51320	SPRING, DELIVERY	3							
31	2	129155-51340	RETAINER	3							
32	2	124550-51350	GASKET, DELIVERY	3							
33	2	124550-51370	O-RING	3							
34	2	129155-51370	STOPPER, VALVE	3							
35	2	129155-51380	STOPPER	2							
36	2	129155-51390	STOPPER	2							
37	2	129155-51400	DEFLECTOR	1							
38	2	129155-51410	BOLT	1							
39	2	129155-51420	PLUG, M16	1							
40	2	129155-51450	SHIM SET, ADJUSTING	1							
45	2	129155-51500	RACK, CONTROL	1							
46	2	129155-51521	BUSH, RACK	1							
47	2	129155-51530	SPACER	1							
48	2	129155-51540	CIRCLIP	1							
49	2	129155-51550	PINION, CONTROL	3							
50	2	122117-51560	SCREW	3							
51	2	174307-51560	PINION	3							
52	2	129155-51570	PLUG, M12	1							
53	2	129155-51580	O-RING	1							
54	2	129155-51591	SPRING, RACK	1							
55	2	129155-51600	SHIM SET, ADJUSTING	3							
74	2	129155-51700	COVER	1							
75	2	129155-51710	GASKET	1							
76	2	129155-51750	COVER	1							
77	2	129155-51760	GASKET	1							
78	2	129155-51790	STOOPER, RACK	1							
79	2	129156-51910	LABEL, CAUTION	1							
80	2	129155-51930	SPACER, T=3.25	1							
81	2	129155-51940	SPACER, T=1.5	1							
82	2	22217-050000	WASHER, SPRING 5	2							
83	2	22217-060000	WASHER, SPRING 6	2							
84	2	22351-050010	PIN, SPRING 5.0X10	2							
85	2	24101-063034	BEARING, BALL 6303	1							
86	2	24341-000160	O-RING, 1AS16.0	1							
87	2	26022-050102	SCREW, M5X10	8							

Fig.73. FUEL INJECTION PUMP

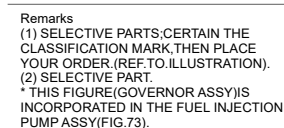


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(B)=
(C)=

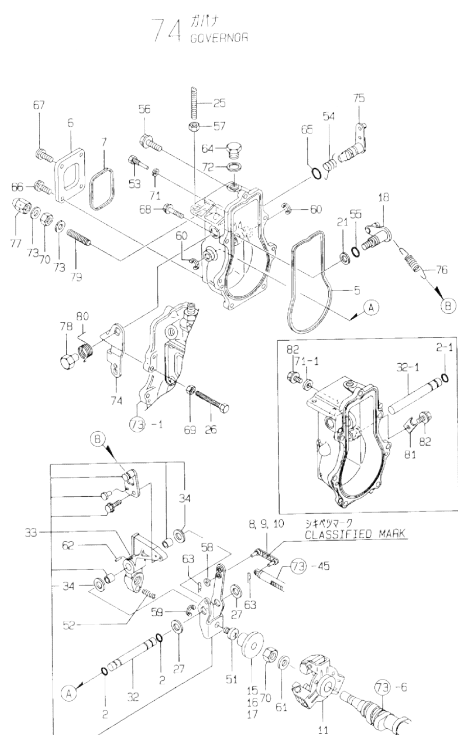
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
88	2	26022-060162	SCREW, M6X16	4							
89	2	26116-050302	BOLT, M5X 30 PLATED	2							
90	2	26716-060002	NUT, M6	2							
91	2	22190-160002	WASHER, SEAL 16	1							
94	2	129155-52050	GASKET	1							
95	2	129100-52200	COVER	1							

Remarks
(1) GOVERNOR ASSY(FIG.74) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).



N:Old $\xrightarrow{\text{Yes}} \text{New}$, Q:Old $\xrightarrow{\text{No}} \text{New}$, R:Old $\xrightarrow{\text{Yes}} \text{New}$, S:Old $\xrightarrow{\text{No}} \text{New}$, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++ Copyright (C) YANMAR CO., LTD. All Rights Reserved.

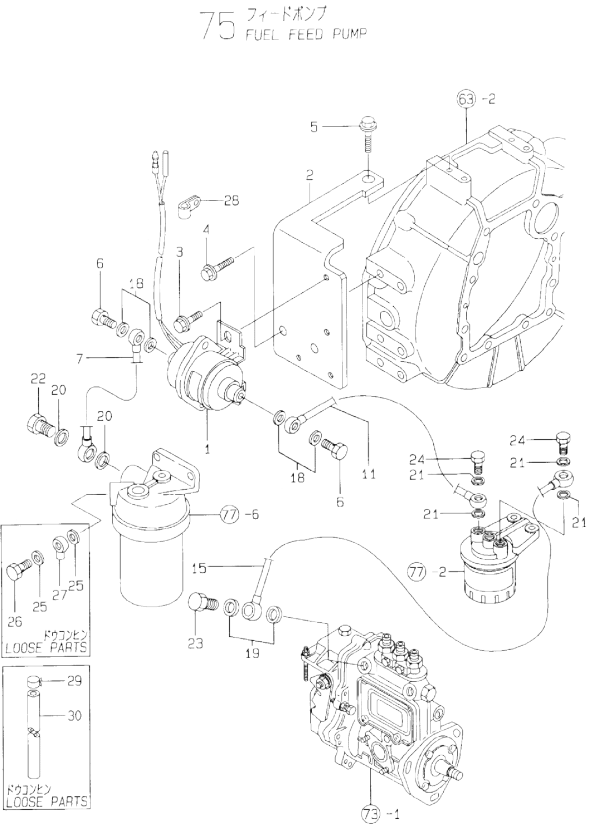
[illegible]

Remarks

Remarks
(1) SELECTIVE PARTS; CERTAIN THE
CLASSIFICATION MARK, THEN PLACE
YOUR ORDER. (REF. TO ILLUSTRATION).

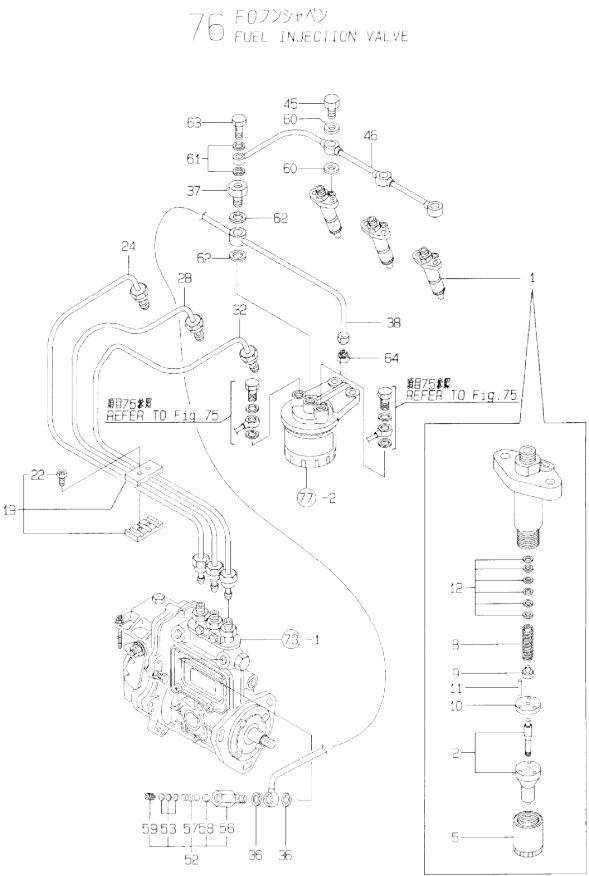
(2) SELECTIVE PART.
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.73).

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124790-52201	PUMP ASSY, FUEL FEED	1							
2	1	171375-52501	BRACKET, PUMP	1							
3	1	26106-060102	BOLT, M6X 10 PLATED	2							
4	1	26106-080162	BOLT, M8X 16 PLATED	2							
5	1	26106-100162	BOLT, M10X 16 PLATED	1							
6	1	105582-59150	BOLT, PIPE JOINT	2							
7	1	171375-59500	PIPE ASSY, FUEL	1							
11	1	171375-59511	PIPE ASSY, FUEL	1							
15	1	171375-59521	PIPE ASSY, FUEL	1							
18	1	23414-080012	GASKET, 8X1.0	4							
19	1	23414-120000	GASKET, 12X1.0	2							
20	1	23414-120000	GASKET, 12X1.0	2							
21	1	23414-120000	GASKET, 12X1.0	4							
22	1	23857-060000	BOLT, JOINT 6	1							
23	1	23857-060000	BOLT, JOINT 6	1							
24	1	23857-060000	BOLT, JOINT 6	2							
25	1	23414-120000	GASKET, 12X1.0	2							
26	1	23857-060000	BOLT, JOINT 6	1							
27	1	103854-39540	JOINT, PIPE	1							
28	1	194440-51620	CLAMP	1							
29	1	124766-59050	CLIP, HOSE 12	4							
30	1	121137-59080	PIPE, FUEL D12X1150	1							

Fig.76. FUEL INJECTION VALVE

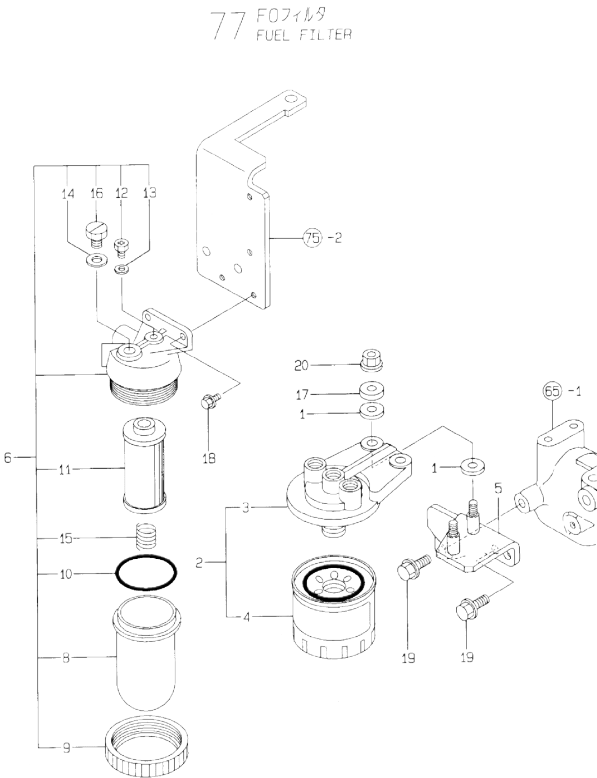


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729103-53300	VALVE ASSY,INJECTION	3							
2	2	129103-53050	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
8	2	114250-53120	SPRING, NOZZLE	3							
9	2	114250-53130	SEAT, SPRING	3							
10	2	114250-53140	PLATE	3							
11	2	114250-53210	PIN	6							
12	2	114250-53400	SHIM SET	3							
19	1	129150-59120	RETAINER, PIPE	1							
22	2	129150-59131	BOLT, M4X14	2							
24	1	129100-59811	PIPE ASSY, INJECTION	1							
28	1	129100-59821	PIPE ASSY, INJECTION	1							
32	1	129100-59831	PIPE ASSY, INJECTION	1							
36	1	104200-59170	GASKET, 12	2							
37	1	129495-59300	BOLT, PIPE JOINT	1							
38	1	171375-59530	PIPE ASSY, FUEL	1							
45	1	129491-59540	BOLT, PIPE JOINT M6	3							
46	1	171375-59551	PIPE ASSY, RETURN	1							
52	1	129100-59951	VALVE ASSY, CHECK	1							
53	2	129100-59850	SHIM SET	1							
56	2	129100-59961	BODY, VALVE	1							
57	2	129100-59970	SPRING	1							
58	2	24190-080001	BALL, STEEL 1/4	1							
59	2	27241-100000	PLUG, 10	1							
60	1	23414-060000	GASKET, 6X1.0	6							
61	1	23414-080012	GASKET, 8X1.0	2							
62	1	23414-140000	GASKET, 14X1.0	2							
63	1	23851-030000	JOINT BOLT 3	1							
64	1	43551-001451	UNION 8(M)	1							

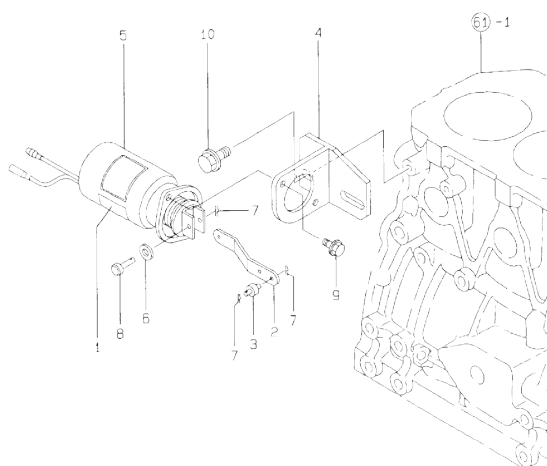
(A)=3TNE84T-GH
(B)=
(C)=

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

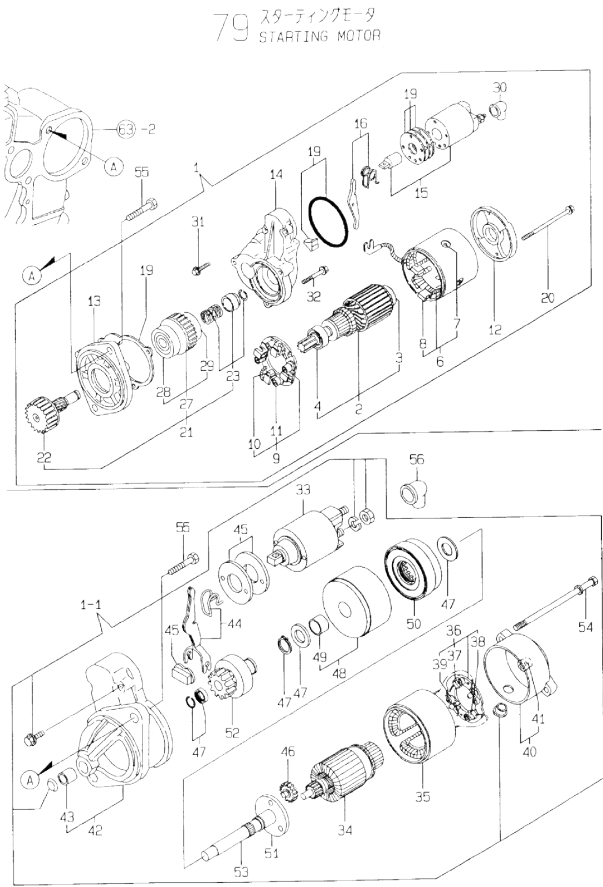
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160610-55460	INSULATOR	4							
2	1	129470-55601	FILTER ASSY, FUEL	1							
3	2	129470-55610	BODY, STRAINER	1							
4	2	129470-55701	STRAINER ASSY, FUEL	1							
5	1	171375-55612	BRACKET, STRAINER	1							
6	1	171081-55900	FILTER ASSY, PRE	1							
8	2	121370-55730	CUP, STRAINER	1							
9	2	110250-55610	RING, RETAINING	1							
10	2	103854-32050	O-RING	1							
11	2	171081-55910	SCREEN	1							
12	2	101720-55750	PLUG, 6	1							
13	2	23418-060000	GASKET, 6X1.0	1							
14	2	23414-080012	GASKET, 8X1.0	1							
15	2	121257-55720	SPRING	1							
16	2	135210-51900	PLUG	1							
17	1	121236-77340	SPACER	2							
18	1	26106-060142	BOLT, M6X 14 PLATED	2							
19	1	26106-080162	BOLT, M8X 16 PLATED	2							
20	1	26366-080002	NUT, M8	2							



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

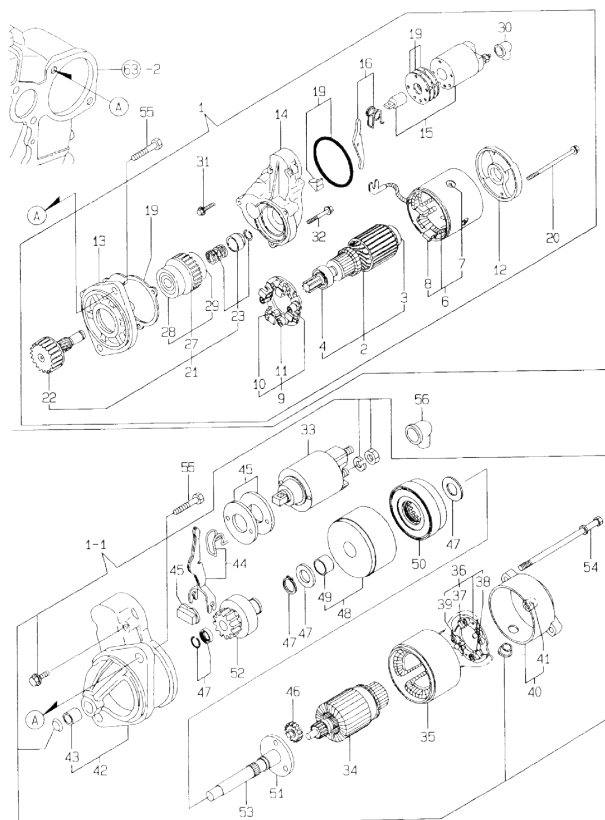
78 キカンテイシソウチ
ENGINE STOP DEVICE

No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171010-65100	LABEL	1							
2	1	171335-65110	LINK, SOLENOID	1							
3	1	171335-65120	PIN	1							
4	1	171335-65130	BRACKET, SOLENOID	1							
5	1	171335-77951	SOLENOID, MAGNETIC	1							
6	1	22117-050000	WASHER, 5	1							
7	1	22360-050000	SNAP PIN 5	3							
8	1	22487-050160	PIN, H 5X 16	1							
9	1	26106-060122	BOLT, M6X 12 PLATED	2							
10	1	26106-080142	BOLT, M8X 14 PLATED	2							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171008-77010	STARTER, S114-483	1							
1-1	1	129698-77010	STARTER, 12V1.2KW	1							R
		(A=E19058)									
2	2	171008-77400	ARMATURE ASSY	1							Z
		(A=E19058)									
3	3	171008-77410	BEARING	1							Z
		(A=E19058)									
4	3	171008-77420	BEARING	1							Z
		(A=E19058)									
6	2	171008-77440	COIL ASSY, FIELD	1							Z
		(A=E19058)									
7	3	171008-77450	SCREW	4							Z
		(A=E19058)									
8	3	171008-77460	BRUSH (+)	2							Z
		(A=E19058)									
9	2	171008-77470	HOLDER ASSY, BRUSH	1							Z
		(A=E19058)									
10	3	171008-77480	BRUSH (-)	2							Z
		(A=E19058)									
11	3	171008-77490	SPRING, BRUSH	4							Z
		(A=E19058)									
12	2	171008-77500	COVER, REAR	1							Z
		(A=E19058)									
13	2	171008-77510	CASE, GEAR	1							Z
		(A=E19058)									
14	2	171008-77520	HOUSING, CENTER	1							Z
		(A=E19058)									
15	2	171008-77530	SWITCH, MAGNETIC	1							Z
		(A=E19058)									
16	2	171008-77540	LEVER SET	1							Z
		(A=E19058)									
19	2	171008-77571	COVER KIT, DUST	1							Z
		(A=E19058)									
20	2	171008-77640	BOLT, THROUGH	2							Z
		(A=E19058)									
21	2	171008-77650	PINION ASSY	1							Z
		(A=E19058)									
22	3	171008-77660	SHAFT	1							Z
		(A=E19058)									
23	3	171008-77670	STOPPER SET	1							Z
		(A=E19058)									
27	3	171008-77720	CLUTCH ASSY	1							Z
		(A=E19058)									
28	4	171008-77730	BEARING, BALL	1							Z
		(A=E19058)									
29	4	171008-77740	BEARING	1							Z
		(A=E19058)									
30	2	171008-77750	COVER	1							Z
		(A=E19058)									
31	2	26106-060322	BOLT, M6X 32 PLATED	2							Z
		(A=E19058)									

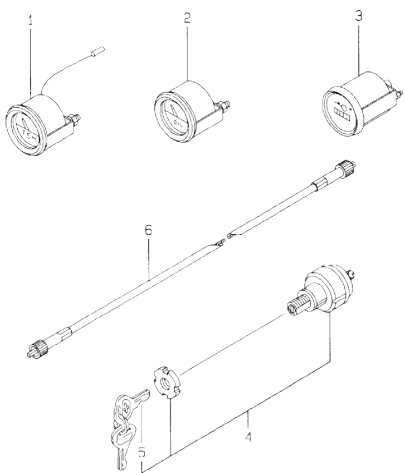
N:Old $\frac{Y05}{100}$ New, Q:Old $\frac{H10}{100}$ New, R:Old $\frac{Y05}{100}$ New, S:Old $\frac{H10}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
32	2	26106-060402 (A=E19058)	BOLT, M6X 40 PLATED	3						Z	
33	2	124298-77020	SWITCH, MAGNETIC	1						W	
34	2	129698-77100 (A=E19058)	ARMATURE ASSY	1						W	
35	2	129698-77110 (A=E19058)	YOKE ASSY	1						W	
36	2	129698-77120 (A=E19058)	HOLDER ASSY, BRUSH	1						W	
37	3	129698-77140 (A=E19058)	BRUSH SET	1						W	
38	3	129698-77130 (A=E19058)	BRUSH	2						W	
39	3	129698-77150 (A=E19058)	SPRING, BRUSH	4						W	
40	2	129698-77160 (A=E19058)	COVER ASSY	1						W	
41	3	129698-77170 (A=E19058)	BEARING	1						W	
42	2	129698-77260 (A=E19058)	CASE ASSY	1						W	
43	3	X2114535200 (A=E19058)	METAL, STARTER	1						W	
44	2	129698-77270 (A=E19058)	LEVER SET, SHIFT	1						W	
45	2	129698-77280 (A=E19058)	COVER KIT	1						W	
46	2	129698-77240 (A=E19058)	GEAR	3						W	
47	2	129698-77250 (A=E19058)	WASHER SET	1						W	
48	2	129698-77180 (A=E19058)	BRACKET	1						W	
49	3	129698-77190 (A=E19058)	BRACKET	1						W	
50	2	129698-77200 (A=E19058)	GEAR, INTERNAL	1						W	
51	2	129698-77210 (A=E19058)	BRACKET	1						W	
52	2	129698-77220 (A=E19058)	PINION ASSY	1						W	
53	2	129698-77230 (A=E19058)	SHAFT	1						W	
54	2	124195-77770 (A=E19058)	BOLT, THROUGH	2						W	
55	1	26116-120252	BOLT, M12X 25 PLATED	2							
56	1	124550-77030	COVER, TERMINAL	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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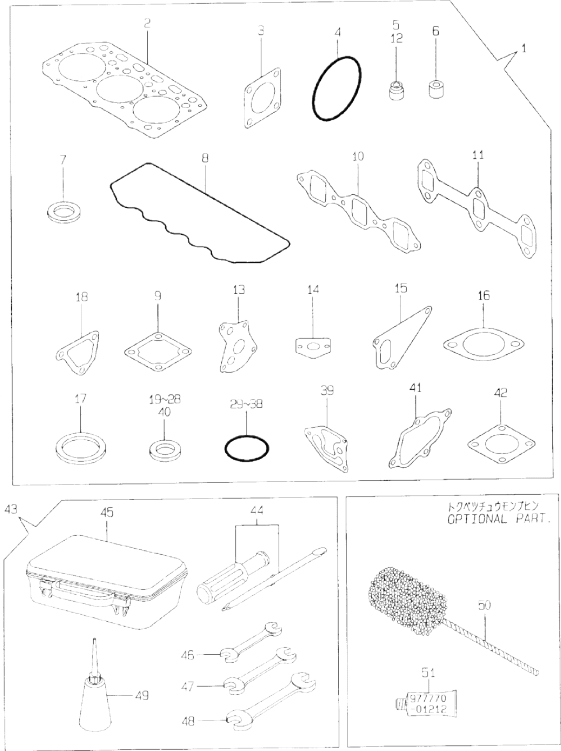


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171010-77850	THERMOSTAT	2							
2	1	171090-91010	GAUGE	1							
3	1	171014-91101	TACHOMETER	1							
4	1	121400-91251	SWITCH, STARTER	1							
5	2	121400-91271	KEY, SWITCH	1							
6	1	121400-91140	SHAFT	1							

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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Fig.82. GASKET SET

82 パッキンセット
GASKET SET



Remarks
(1) OPTIONAL PART.

(A)=3TNE84T-GH
(B)=
(C)=

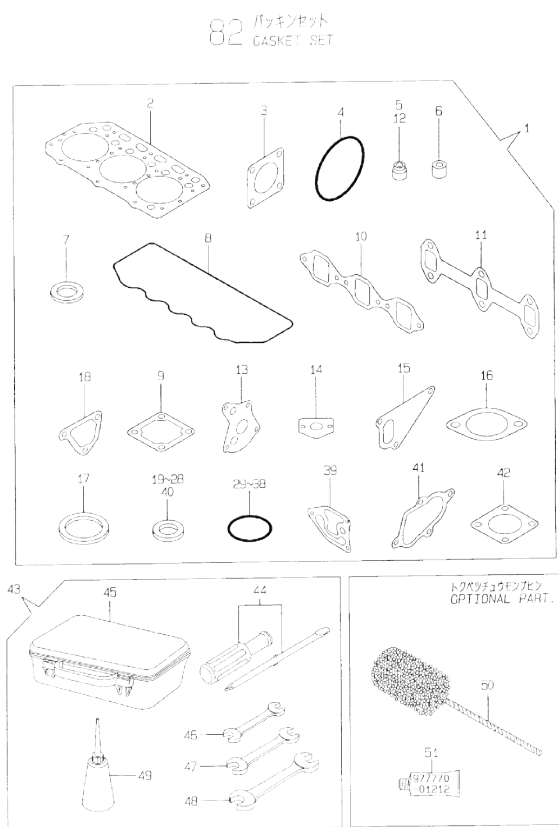
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729002-92690	GASKET SET	1							1
2	2	129002-01331	GASKET, HEAD	1							
3	2	124240-01883	GASKET	1							
4	2	121850-51960	O-RING	1							
5	2	124460-11340	SEAL, VALVE STEM	3							
6	2	119625-11871	PROTECTOR, NOZZLE	3							
7	2	119625-11880	SEAT, NOZZLE	3							
8	2	129150-11310	GASKET, BONNET	1							
9	2	129150-77511	GASKET	1							
10	2	129150-12111	GASKET, MANIFOLD	1							
11	2	129150-13110	GASKET	1							
12	2	121400-11340	SEAL, VALVE STEM	3							
13	2	129150-32020	GASKET, PUMP	1							
14	2	129150-35041	GASKET	1							
15	2	129100-42020	GASKET, WATER PUMP	1							
16	2	129795-49551	GASKET	1							
17	2	129150-49811	GASKET, THERMOSTAT	1							
18	2	129100-49840	GASKET	1							
19	2	22190-080002	WASHER, SEAL 6	6							
20	2	23414-080012	GASKET, 8X1.0	6							
21	2	23414-060000	GASKET, 6X1.0	6							
22	2	23414-140000	GASKET, 14X1.0	2							
23	2	23414-080000	GASKET, 8X1.0	2							
24	2	23414-100000	GASKET, 10X1.0	4							
25	2	23414-120000	GASKET, 12X1.0	10							
26	2	23414-170000	GASKET, 17X1.0	2							
27	2	124465-44950	GASKET, 16	2							
27-1	2	124465-44950	GASKET, 16	1							K
(A=E16575)											
28	2	129150-49360	GASKET	1							
28-1	2	129150-49360	GASKET	2							K
(A=E16575)											
29	2	24311-000120	O-RING, 1AP12.0	3							
30	2	24311-000160	O-RING, 1AP16.0	2							
31	2	24311-000320	O-RING, 1AP32.0	2							
32	2	24341-000240	O-RING, 1AS24.0	1							
33	2	24341-000500	O-RING, 1AS50.0	1							
34	2	24321-000300	O-RING, 1AG30.0	1							
35	2	24311-000200	O-RING, 1AP20.0	1							
36	2	24311-000210	O-RING, 1AP21.0	1							
37	2	24321-000550	O-RING, 1AG55.0	1							
38	2	24314-000160	O-RING, 4CP16.0	1							
39	2	129103-35122	GASKET	1							
40	2	104200-59170	GASKET, 12	2							
41	2	129412-18080	GASKET	1							
42	2	129417-18100	GASKET	1							
43	1	721400-92102	BOX ASSY, TOOL	1							
44	2	104200-92350	DRIVER, SCREW	1							
45	2	104200-92600	BOX, TOOL	1							
46	2	28110-100120	SPANNER, 10X12	1							
47	2	28110-140170	SPANNER, 14X17	1							

N:Old $\frac{100}{100}$ New, O:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
Copyright (C) YANMAR CO., LTD. All Rights Reserved.

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
48	2	28110-190220	SPANNER, 19X22	1							
49	2	28210-000140	OILER	1							
50	1	129400-92420	HONE	1							1
51	1	977770-01212	GASKET, LIQUID	1							1



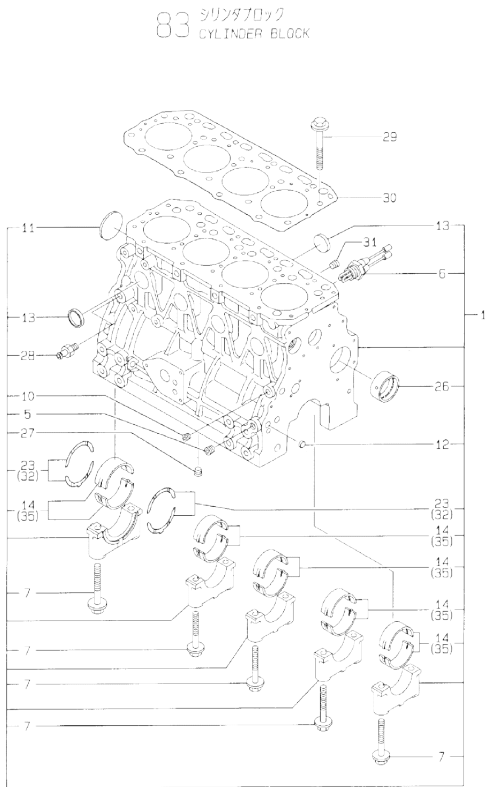
(1) OPTIONAL PART.

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

Fig.83. CYLINDER BLOCK

(A)=4TNE84T-GH
(B)=
(C)=

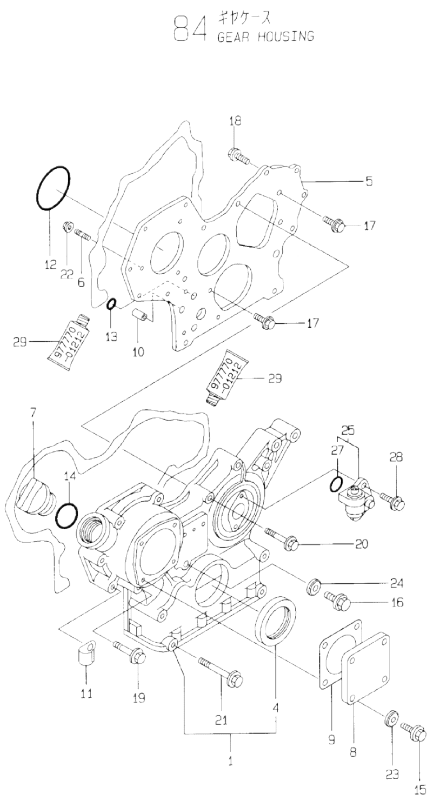
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729615-01560	BLOCK ASSY, CYLINDER	1							
5	2	124160-01910	PLUG, PT1/4	2							
6	2	46150-504600	HEATER	1							
6-1	2	124097-77900	HEATER, COOLING WATER	1							N
		(A=E39511)									
7	2	129150-02020	BOLT, METAL CAP	10							
10	2	23871-010000	PLUG, R01	1							
11	2	27231-500000	PLUG 50	1							
12	2	27241-120000	PLUG, 12	2							
13	2	27241-300000	PLUG 30	8							
14	2	129001-02800	BEARING, MAIN	5							
23	2	129150-02930	BEARING, THRUST	2							
26	2	129795-02411	BUSH, CAMSHAFT	1							
27	2	124160-01910	PLUG, PT1/4	1							
28	2	121550-49111	JOINT, PT1/4	1							
29	1	129150-01200	BOLT, HEAD	18							
30	1	129408-01330	GASKET, HEAD	1							
31	1	23871-030000	PLUG, R03	1							
32	1	129150-02940	BEARING, THRUST 0.25	2							1
35	1	129150-02870	BEARING, 0.25 US	5							2

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

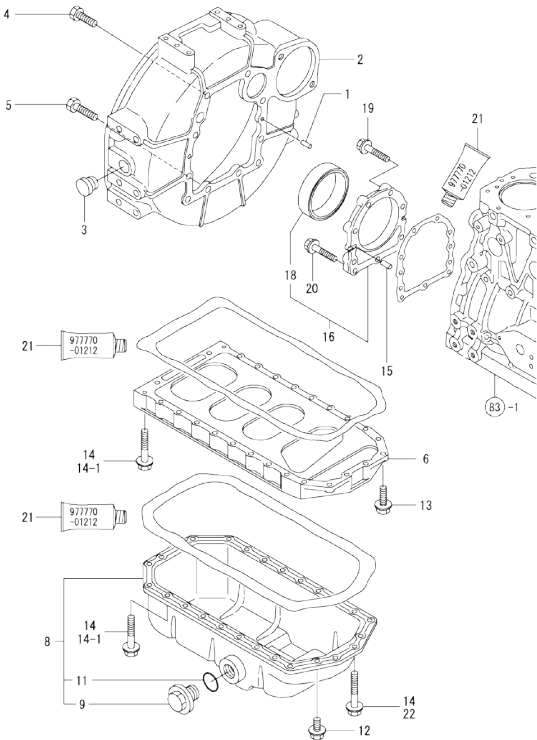
Fig.84. GEAR HOUSING



Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719810-01500	CASE ASSY, GEAR	1							
4	2	129795-01800	SEAL, OIL	1							
5	1	129400-01520	FLANGE, GEAR CASE	1							
6	1	121450-01560	STUD, M8X22	3							
7	1	124160-01751	COVER, FILLER	1							
8	1	124240-01871	COVER	1							
9	1	124240-01883	GASKET	1							
10	1	129795-01950	PIPE, KNOCK L=18	2							
11	1	129150-03100	RETAINER, PIPE	1							
12	1	121850-51960	O-RING	1							
13	1	24311-000160	O-RING, 1AP16.0	2							
14	1	24311-000320	O-RING, 1AP32.0	1							
15	1	26106-080122	BOLT, M8X 12 PLATED	4							
16	1	26106-080162	BOLT, M8X 16 PLATED	1							
17	1	26106-080162	BOLT, M8X 16 PLATED	3							
18	1	26106-080202	BOLT, M8X 20 PLATED	2							
19	1	26106-080452	BOLT, M8X 45 PLATED	6							
20	1	26106-080552	BOLT, M8X 55 PLATED	3							
21	1	26106-080852	BOLT, M8X 85 PLATED	4							
22	1	26366-080002	NUT, M8	3							
23	1	22190-080002	WASHER, SEAL 6	4							
24	1	22190-080002	WASHER, SEAL 6	1							
25	1	129150-91400	GEAR	1							
27	2	24341-000240	O-RING, 1AS24.0	1							
28	1	26106-060162	BOLT, M6X 16 PLATED	2							
29	1	977770-01212	GASKET, LIQUID	1							1

Fig.85. FLYWHEEL HOUSING &LUB.OIL SUMP



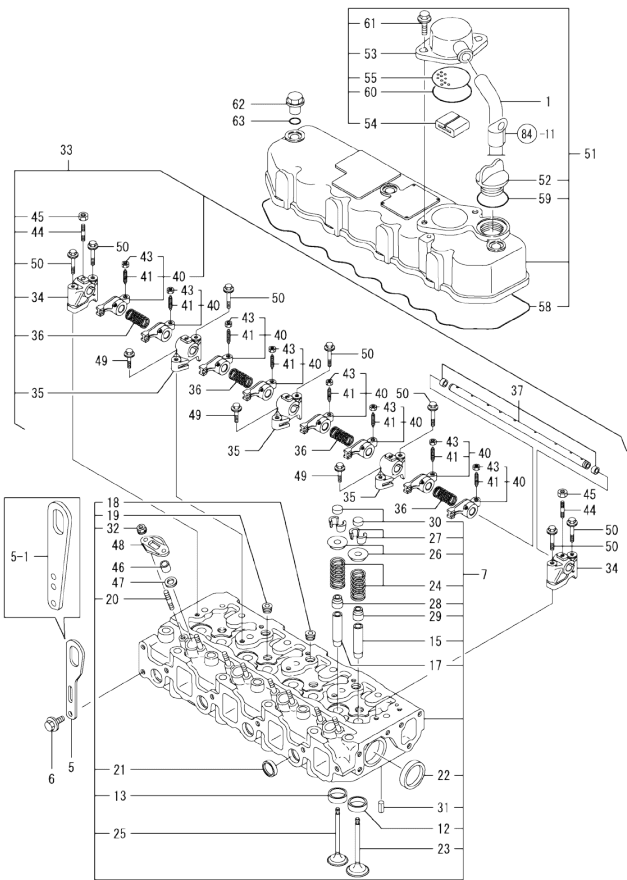
Remarks
(1)Optional parts.
(2)For repair.

(A)=4TNE84T-GH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, M8X16	2							
2	1	171301-01600	HOUSING, FLYWHEEL	1							
3	1	119620-01750	CAP	1							
4	1	26206-100252	BOLT, M10X 25 PLATED	6							
5	1	26206-100302	BOLT, M10X 30 PLATED	4							
6	1	129400-01730	SPACER, OIL SUMP	1							
8	1	129400-01770	SUMP ASSY, OIL	1							
8-1	1	129688-01780	OIL PAN ASSY, DEEP	1						N	2
(A=REF. TO R)											
9	2	171301-01640	PLUG, 22	1							
11	2	24341-000250	O-RING, 1AS25.0	1							
12	1	26106-080162	BOLT, M8X 16 PLATED	4							
13	1	26106-080252	BOLT, M8X 25 PLATED	2							
14	1	26106-080452	BOLT, M8X 45 PLATED	24							
14-1	1	26106-080452	BOLT, M8X 45 PLATED	20							K
(A=FROM 1ST)											
15	1	129100-01580	PIN, M8X16	2							
16	1	129100-01640	CASE ASSY, OIL SEAL	1							
18	2	129795-01780	SEAL, OIL	1							
19	1	26106-080302	BOLT, M8X 30 PLATED	6							
19-1	1	129486-01670	BOLT, M8X30	6							R
(A=E03919)											
20	1	26106-080352	BOLT, M8X 35 PLATED	3							
21	1	977770-01212	GASKET, LIQUID	1							1
22	1	26106-080502	BOLT, M8X 50 PLATED	4							W
(A=FROM 1ST)											

Fig.86. CYLINDER HEAD & BONNET



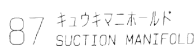
Remarks
(1) REPAIR PART.

(A)=4TNE84T-GH
(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							
5	1	124736-07900	LIFTER	1							
5-1	1	129900-07900	LIFTER	1						N	
(A=2009.08)											
6	1	26106-080142	BOLT, M8X 14 PLATED	2							
7	1	729408-11701	HEAD ASSY, CYLINDER	1							
7-1	1	729418-11100	HEAD ASSY, CYLINDER	1						N	
(A=E05340)											
12	2	129470-11080	SEAT, INTAKE VALVE	4							
13	2	129470-11090	SEAT, EXHAUST VALVE	4							
15	2	120130-11860	GUIDE, VALVE	4							1
17	2	129150-11810	GUIDE, VALVE	4							1
18	2	23871-020000	PLUG, R02	3							
19	2	23871-030000	PLUG, R03	4							
20	2	26216-060202	STUD, M6X 20	8							
21	2	27241-220000	PLUG, 22	4							
22	2	27241-400000	PLUG, 40	2							
23	2	129100-11100	VALVE, INTAKE	4							
24	2	129795-11120	SPRING, VALVE	8							
25	2	129100-11130	VALVE, EXHAUST	4							
26	2	129795-11180	RETAINER, SPRING	8							
27	2	27310-080001	COTTER, 8	8							
28	2	121400-11340	SEAL, VALVE STEM	4							
29	2	124460-11340	SEAL, VALVE STEM	4							
30	2	129150-11370	CAP, VALVE	8							
31	2	22351-060012	PIN, SPRING 6.0X12	2							
32	2	26366-060002	NUT, M6	8							
33	1	129555-11241	SHAFT ASSY, ROCKER	1							
34	2	129155-11260	SUPPORT, ROCKER ARM	2							
35	2	129155-11270	SUPPORT, ROCKER ARM	3							
36	2	129150-11280	SPRING	4							
37	2	129550-11290	SHAFT, ROCKER ARM	1							
40	2	729402-11650	ARM ASSY, ROCKER	8							
41	3	129150-11230	SCREW, VALVE ADJUST	8							
43	3	129150-11750	NUT, M8	8							
44	2	26226-080182	STUD, M8X 18	3							
45	2	26756-080002	NUT, LOCK M8	3							
46	1	119625-11871	PROTECTOR, NOZZLE	4							
47	1	119625-11880	SEAT, NOZZLE	4							
48	1	119625-11900	RETAINER, NOZZLE	4							
49	1	26106-080252	BOLT, M8X 25 PLATED	3							
50	1	26106-080502	BOLT, M8X 50 PLATED	7							
51	1	129400-11350	BONNET ASSY, HEAD	1							
52	2	124160-01751	COVER, FILLER	1							
53	2	129150-03020	COVER, BREATHER	1							
54	2	129150-03070	BAFFLE, BREATHER	1							
55	2	129150-03080	PLATE, BAFFLE	1							
58	2	129550-11310	GASKET, BONNET	1							
59	2	24311-000320	O-RING, 1AP32.0	1							
60	2	24341-000500	O-RING, 1AS50.0	1							
61	2	26106-080162	BOLT, M8X 16 PLATED	2							

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129400-12100	MANIFOLD, AIR INTAKE	1							
2	1	129550-12111	GASKET, MANIFOLD	1							
3	1	23871-030000	PLUG, R03	1							
4	1	26106-080352	BOLT, M8X 35 PLATED	5							
5	1	129412-12460	COVER	1							
6	1	23000-054000	CLAMP, 54	1							
7	1	129403-12090	PIPE, AIR INTAKE	1							
8	1	23000-054000	CLAMP, 54	1							
9	1	23000-060000	CLAMP, 60	1							
10	1	171463-12581	JOINT, MANIFOLD	1							
11	1	129150-77511	GASKET	1							
12	1	26106-080352	BOLT, M8X 35 PLATED	4							

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.88. EXHAUST MANIFOLD

(A)=4TNE84T-GH
(B)=
(C)=

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

Q'ty

I R

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129406-13100	MANIFOLD, EXHAUST	1							
2	1	129550-13110	GASKET	1							
3	1	26106-080652	BOLT, M8X 65 PLATED	3							
3-1	1	119802-13650	BOLT, M8X65	3							N
(A=E44963)											
4	1	26106-080852	BOLT, M8X 85 PLATED	1							
4-1	1	119802-13670	BOLT, M8X85	1							N
(A=E44963)											
5	1	26106-081002	BOLT, M8X100 PLATED	4							
5-1	1	129693-44310	BOLT	4							N
(A=E44963)											
5-2	1	119802-13820	BOLT, M8X100 9.8T	4							N
(A=*2009.12)											
6	1	26216-080222	STUD, M8X 22	4							
6-1	1	119131-18320	STUD, M8X22	4							N
(A=E10672)											
7	1	129412-18290	SUPPORT	1							
8	1	129412-18400	BEND, EXHAUST	1							
9	1	194990-22050	NUT, M8	3							
10	1	23414-170000	GASKET, 17X1.0	1							
11	1	23894-030002	PLUG, G3/8	1							
12	1	26106-080142	BOLT, M8X 14 PLATED	4							
13	1	26216-080222	STUD, M8X 22	3							

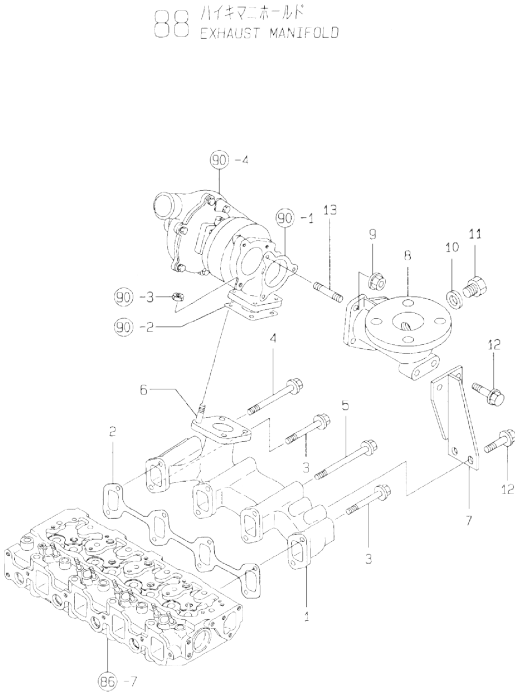
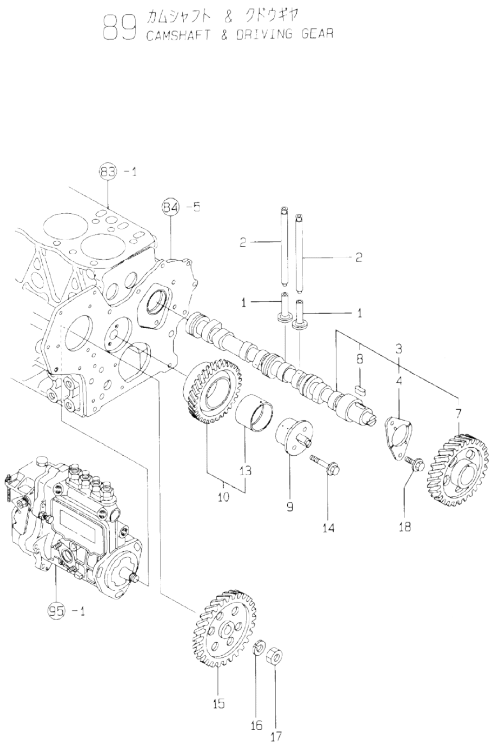


Fig.89. CAMSHAFT & DRIVING GEAR



カムシャフト & クドウギヤ
CAMSHAFT & DRIVING GEAR

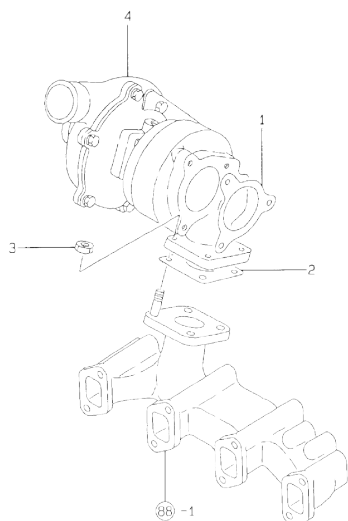
(A)=4TNE84T-GH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	8							
2	1	129150-14400	ROD, PUSH L=178	8							
3	1	729402-14580	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	129100-25061	SHAFT, IDLE	1							
10	1	129150-25101	GEAR ASSY, IDLE	1							
13	2	129150-25920	BUSH, IDLE GEAR	1							1
14	1	26106-080452	BOLT, M8X 45 PLATED	2							
15	1	129150-25900	GEAR, PUMP	1							
16	1	22217-120000	WASHER, SPRING 12	1							
17	1	26716-120002	NUT, M12	1							
18	1	26106-080142	BOLT, M8X 14 PLATED	2							

Remarks
(1) REPAIR PART.

90 タービン
TURBINE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129792-13521	GASKET	1							
2	1	129472-18090	GASKET	1							
3	1	194990-22050	NUT, M8	4							
4	1	129406-18030	TURBINE, RHB52	1							

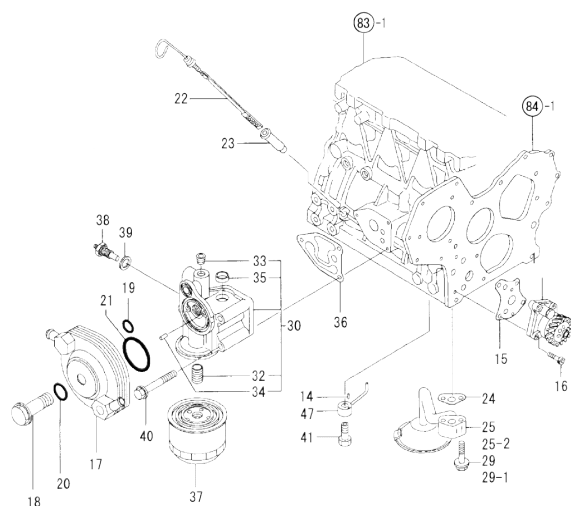
N:Old $\frac{\text{Yes}}{\text{No}}$ New. Q:Old $\frac{\text{No}}{\text{Yes}}$ New. R:Old $\frac{\text{Yes}}{\text{Yes}}$ New. S:Old $\frac{\text{No}}{\text{No}}$ New. W:Add. Z:Discontinued. F:Interchangeable by set. K:Q'ty Change



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129418-21000	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	22351-040010	PIN, SPRING 4.0X10	1							
9	1	171301-21650	V-PULLEY	1							
10	1	129795-21661	WASHER	1							
11	1	121850-21680	BOLT	1							
12	1	121111-21501	BOLT, FLYWHEEL	6							
13	1	171420-21580	FLYWHEEL ASSY	1							
16	2	119865-21600	GEAR, RING	1							
17	1	129002-22090	PISTON ASSY	4							
19	2	129002-22510	RING SET, PISTON	4							
23	1	129202-22300	PIN, PISTON D26 L70	4							
24	1	22252-000260	RING, 26	8							
25	1	729402-23100	ROD ASSY, CONNECTING	4							
29	2	129100-23910	BEARING, PISTON PIN	4							1
30	2	121550-23200	BOLT, CONNECTING ROD	8							
31	2	129150-23600	BEARING, CRANK PIN	4							
33	1	129002-22900	PISTON ASSY, 0.25 OS	4							2
35	2	129002-22950	RING SET, 0.25 OS	4							2
39	1	129150-23610	BEARING, 0.25 US	4							3

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

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129418-32000	PUMP ASSY, OIL	1							
14	1	22351-030010	PIN, SPRING 3.0X10	4							
15	1	129150-32020	GASKET, PUMP	1							
16	1	26450-060252	BOLT, M6X 25	4							
17	1	129103-33031	COOLER, OIL	1							
18	1	129103-33132	BOLT	1							
19	1	24311-000200	O-RING, 1AP20.0	1							
20	1	24311-000210	O-RING, 1AP21.0	1							
21	1	24321-000550	O-RING, 1AG55.0	1							
22	1	129430-34800	DIPSTICK, OIL	1							
23	1	121520-34810	GUIDE, DIPSTICK	1							
24	1	129150-35041	GASKET	1							
24-1	1	129150-35042	GASKET	1							N
(A=EXXXXX)											
25	1	129436-35090	PIPE ASSY, OIL INLET	1							
25-1	1	129436-35091	PIPE ASSY, OIL INLET	1							N
(A=E04719)											
25-2	1	129436-35070	PIPE ASSY	1							S
(A=EZZZZZ)											
29	1	26106-080352	BOLT, M8X 35 PLATED	2							
29-1	1	26106-080552	BOLT, M8X 55 PLATED	2							S
(A=EZZZZZ)											
30	1	129412-35102	BRACKET ASSY	1							
32	2	129100-35140	STUD	1							
33	2	23871-020000	PLUG, R02	1							
34	2	22312-060080	PIN, PARALLEL M6X 8	2							
35	2	27241-200000	PLUG, 20	1							
36	1	129103-35122	GASKET	1							
37	1	129150-35151	FILTER, D80XL80	1							
38	1	124250-49351	SENSOR	1							
39	1	129150-49360	GASKET	1							
40	1	26106-080752	BOLT, M8X 75 PLATED	3							
41	1	129792-39410	VALVE ASSY, CHECK	4							
47	1	129553-39650	NOZZLE	4							

x.O.O.g.U.Y.T.O	XO.k.t.s.d.n.h.k.e.r.x.r.s.d.l	
S.s.m.u.w.w.c.r.o	F.O.U.D.O.X.b	p.k.tr

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

Fig.93. LUB.OIL LINE

(A)=4TNE84T-GH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124160-39140	BOLT, PIPE JOINT M10	1							
2	1	121252-39150	BOLT, JOINT M10X1.5	1							
3	1	124160-39450	SWITCH, 0.5KG	1							
4	1	129403-39460	PIPE ASSY, OIL	1							
10	1	171375-39601	DAMPER, 1/8	1							
11	1	124223-39900	RETAINER	1							
12	1	26106-080102	BOLT, M8X 10 PLATED	1							
13	1	124550-59820	BOLT, PIPE JOINT M8	1							
14	1	144626-91560	SENSOR	1							
15	1	23414-100000	GASKET, 10X1.0	4							
16	1	22190-080002	WASHER, SEAL 6	2							
17	1	124070-13300	ELBOW, PT3/8	1							
18	1	129503-39600	PIPE, OIL	1							
19	1	129506-39610	JOINT, RUBBER	1							
20	1	23000-025000	CLAMP, 25	2							
21	1	24314-000160	O-RING, 4CP16.0	1							
22	1	26106-060162	BOLT, M6X 16 PLATED	2							

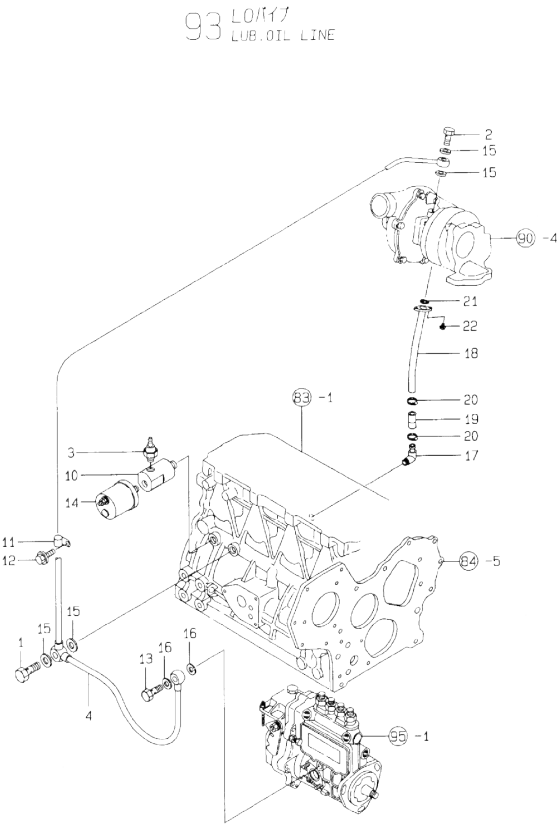
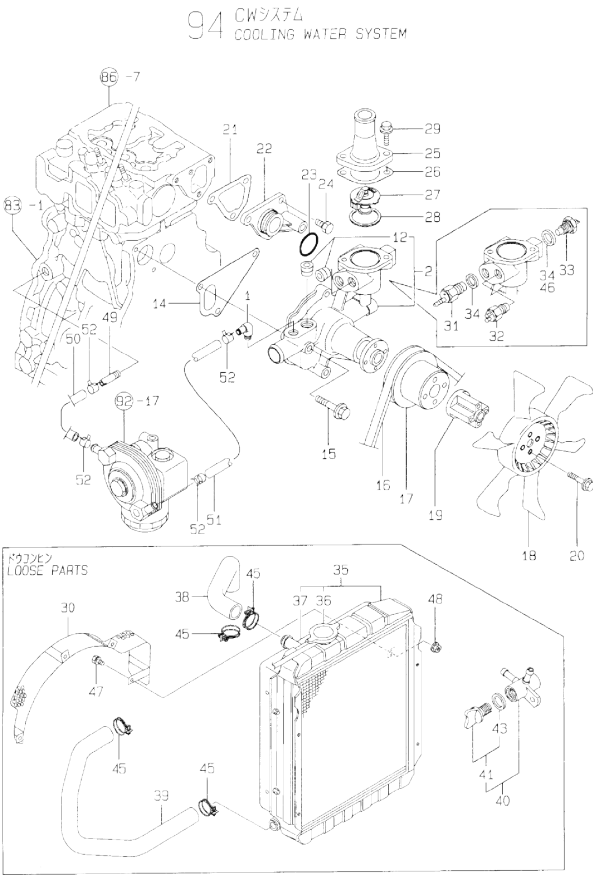


Fig.94. COOLING WATER SYSTEM

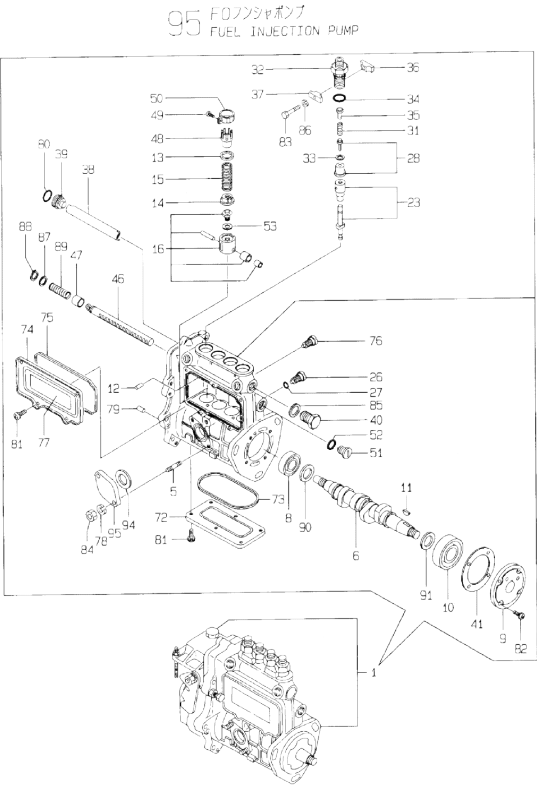


(A)=4TNE84T-GH
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129103-49301	ELBOW, PT1/4	1							
2	1	129001-42002	PUMP ASSY, WATER	1							
12	2	23871-030000	PLUG, R03	2							
14	1	129100-42020	GASKET, WATER PUMP	1							
15	1	26106-080602	BOLT, M8X 60 PLATED	3							
16	1	25132-003900	V-BELT, A39	1							
17	1	129556-42350	V-PULLEY, 96	1							
18	1	129432-44740	FAN, COOLING D370XEF	1							
19	1	129030-44760	SPACER, FAN L38.5	1							
20	1	26106-060502	BOLT, M6X 50 PLATED	4							
21	1	129100-49840	GASKET	1							
22	1	129001-42040	JOINT	1							
23	1	24321-000300	O-RING, 1AG30.0	1							
24	1	26106-080162	BOLT, M8X 16 PLATED	3							
25	1	129350-49560	COVER, THERMOSTAT	1							
26	1	129795-49551	GASKET	1							
27	1	129155-49800	THERMOSTAT, 71	1							
28	1	129150-49811	GASKET, THERMOSTAT	1							
29	1	26106-080202	BOLT, M8X 20 PLATED	2							
30	1	129411-44560	PROTECTOR, FAN	1							
31	1	121250-44901	SWITCH, 110	1							
32	1	171375-44900	SWITCH, 15	1							
33	1	171375-44910	SENSOR	1							
34	1	124465-44950	GASKET, 16	2							
34-1	1	124465-44950	GASKET, 16	1							K
(A=E04856)											
35	1	171430-44500	RADIATOR	1							
36	2	123682-44210	CAP, RADIATOR	1							
37	2	171430-44560	SHROUD	1							
38	1	171440-49010	PIPE, WATER	1							
39	1	129608-49020	PIPE, WATER	1							
40	1	129150-49100	COCK ASSY, 3-WAY	1							
41	2	129150-49080	COCK, DRAIN	1							
43	3	119629-49080	GASKET	1							
45	1	23010-038000	CLAMP, 38	4							
46	1	129150-49360	GASKET	1							W
(A=E04856)											
47	1	26013-080142	BOLT, M8X 14	4							
48	1	26366-080002	NUT, M8	4							
49	1	129122-44480	JOINT	1							
50	1	129403-49031	PIPE, WATER	1							
51	1	129403-49050	PIPE, WATER	1							
52	1	23000-022000	CLAMP, 22	4							

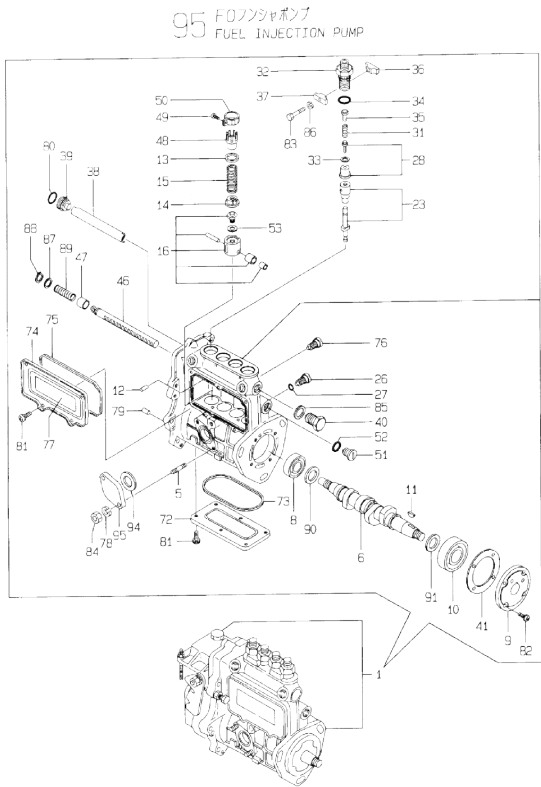
Fig.95. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY(FIG.NO.96)IS
INCORPORATED IN THIS FUEL
INJECTION PUMP ASSY(REF.NO.1).

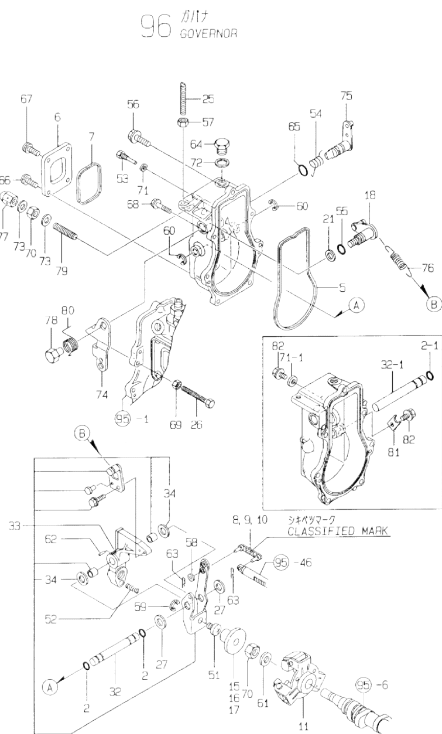
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729615-51400	PUMP ASSY, INJECTION	1							1
5	2	129155-51020	STUD	2							
6	2	129470-51040	CAMSHAFT	1							
8	2	129155-51050	BEARING, 17BM001D	1							
9	2	129155-51060	SUPPORT, CAMSHAFT	1							
10	2	24101-063034	BEARING, BALL 6303	1							
11	2	122710-51090	KEY	1							
12	2	129155-51140	PIN	4							
13	2	174307-51170	RETAINER, SPRING A	4							
14	2	129155-51180	RETAINER, SPRING	4							
15	2	124950-51190	SPRING, PLUNGER	4							
16	2	129155-51200	TAPPET ASSY	4							
23	2	129403-51200	PLUNGER ASSY	4							
26	2	129155-51270	STOPPER, TAPPET	4							
27	2	129155-51280	O-RING, S6	4							
28	2	105300-51300	VALVE ASSY, DELIVERY	4							
31	2	129155-51320	SPRING, DELIVERY	4							
32	2	129155-51340	RETAINER	4							
33	2	124550-51350	GASKET, DELIVERY	4							
34	2	124550-51370	O-RING	4							
35	2	129155-51370	STOPPER, VALVE	4							
36	2	129155-51380	STOPPER	2							
37	2	129155-51390	STOPPER	2							
38	2	129555-51400	DEFLECTOR	1							
39	2	129155-51410	BOLT	1							
40	2	129155-51420	PLUG, M16	1							
41	2	129155-51450	SHIM SET, ADJUSTING	1							
46	2	129555-51500	RACK, CONTROL	1							
47	2	129155-51521	BUSH, RACK	1							
48	2	129155-51550	PINION, CONTROL	4							
49	2	122117-51560	SCREW	4							
50	2	174307-51560	PINION	4							
51	2	129155-51570	PLUG, M12	1							
52	2	129155-51580	O-RING	1							
53	2	129155-51600	SHIM SET, ADJUSTING	4							
72	2	129555-51700	COVER	1							
73	2	129555-51710	GASKET	1							
74	2	129555-51750	COVER	1							
75	2	129555-51760	GASKET	1							
76	2	129155-51790	STOOPER, RACK	1							
77	2	129156-51910	LABEL, CAUTION	1							
78	2	22217-060000	WASHER, SPRING 6	2							
79	2	22351-050010	PIN, SPRING 5.0X10	2							
80	2	24341-000160	O-RING, 1AS16.0	1							
81	2	26022-050102	SCREW, M5X10	11							
82	2	26022-060162	SCREW, M6X16	4							
83	2	26116-050302	BOLT, M5X 30 PLATED	2							
84	2	26716-060002	NUT, M6	2							
85	2	22190-160002	WASHER, SEAL 16	1							
86	2	22217-050000	WASHER, SPRING 5	2							
87	2	129155-51530	SPACER	1							

OCE10-M26900 ENGINE SECTION
Fig.95. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY(FIG.NO.96)IS
INCORPORATED IN THIS FUEL
INJECTION PUMP ASSY(REF.NO.1).

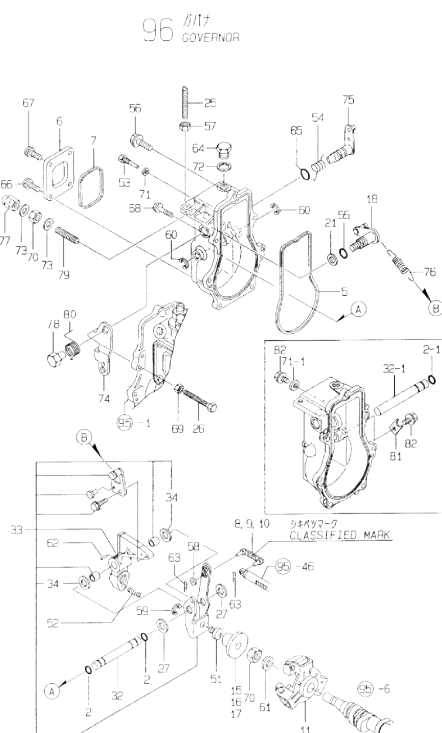
							OCE10-M26900 Fig.95						
							(A)=4TNE84T-GH			(D)=			I R
							(B)=			(E)=			
							(C)=			(F)=			
No.	Lev.	Parts No.	Description				Q'ty						
							(A)	(B)	(C)	(D)	(E)	(F)	
88	2	129155-51540	CIRCLIP				1						
89	2	129155-51591	SPRING, RACK				1						
90	2	129155-51930	SPACER, T=3.25				1						
91	2	129155-51940	SPACER, T=1.5				1						
94	2	129155-52050	GASKET				1						
95	2	129100-52200	COVER				1						



Remarks
(1) SELECTIVE PARTS: CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER (REF. TO ILLUSTRATION).
(2) SELECTIVE PART.
* THIS FIGURE (GOVERNOR ASSY) IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY (FIG. 95).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	129155-51280	O-RING, S6	2							
2-1	2	129155-51280	O-RING, S6	1							K
(A=E04569)											
5	2	129155-61050	GASKET	1							
6	2	129155-61060	COVER, GOVERNOR CASE	1							
7	2	129155-61070	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	129155-61201	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	129100-61400	SHAFT ASSY	1							
21	2	129155-61430	SPACER	1							
25	2	129155-61450	BOLT, LIMITER	1							
26	2	129155-61460	BOLT, IDLE	1							
27	2	129155-61480	SPACER ASSY	2							
32	2	129155-61490	SHAFT	1							
32-1	2	129155-61380	SHAFT	1							S
(A=E04569)											
33	2	129100-61501	LEVER ASSY, GOVERNOR	1							
34	3	174307-51700	SHIM SET	2							
51	2	129155-61540	SHIFTER	1							
52	2	129500-61650	SPRING, FUEL CONTROL	1							
53	2	129155-61810	PIN	1							
54	2	129100-61821	SPRING, RETURN	1							
55	2	129155-61830	O-RING, S10	1							
56	2	129155-61950	BOLT	1							
57	2	124550-66370	NUT, M6	1							
58	2	22117-040000	WASHER, 4	1							
59	2	22272-000040	RING, E- 4	1							
60	2	22272-000060	RING, E- 6	2							Z
(A=E04569)											
61	2	22287-120000	WASHER, 12	1							
62	2	22351-030016	PIN, SPRING 3.0X16	1							
63	2	22372-040000	PIN, SNAP 4	2							
64	2	23887-100002	PLUG, 10	1							
65	2	24311-240100	O-RING, 1AP10A	1							
66	2	26022-050102	SCREW, M5X10	2							
67	2	26023-050102	SCREW, M5X10	2							
68	2	26106-060202	BOLT, M6X 20 PLATED	6							
69	2	26756-060002	NUT, LOCK M6	1							
70	2	26776-120002	NUT, LOCK M12	2							
71	2	22190-060002	WASHER, SEAL 6	1							
71-1	2	22190-060002	WASHER, SEAL 6	2							K
(A=E04569)											
72	2	22190-100002	WASHER, SEAL 10	1							
73	2	22190-120002	WASHER, SEAL 12	2							
74	2	171488-61440	LEVER, CONTROL	1							
75	2	129155-61802	LEVER, STOP	1							

N:Old $\frac{100}{100}$ New, Q:Old $\frac{100}{100}$ New, R:Old $\frac{100}{100}$ New, S:Old $\frac{100}{100}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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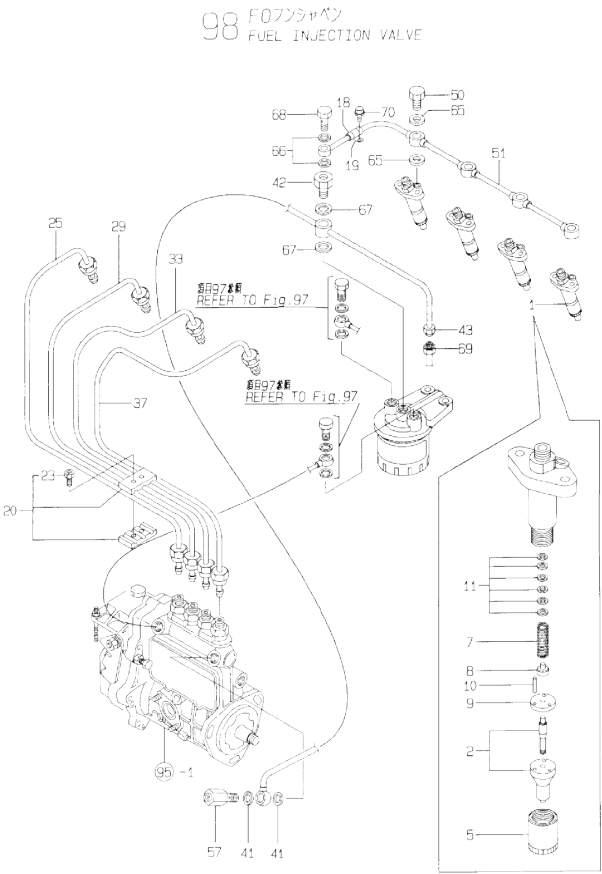


(1) SELECTIVE PARTS; CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER. (REF. TO ILLUSTRATION).
(2) SELECTIVE PART.
* THIS FIGURE (GOVERNOR ASSY) IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY (FIG. 95).

[illegible]

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

Fig.98. FUEL INJECTION VALVE



(A)=4TNE84T-GH
(B)=
(C)=

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

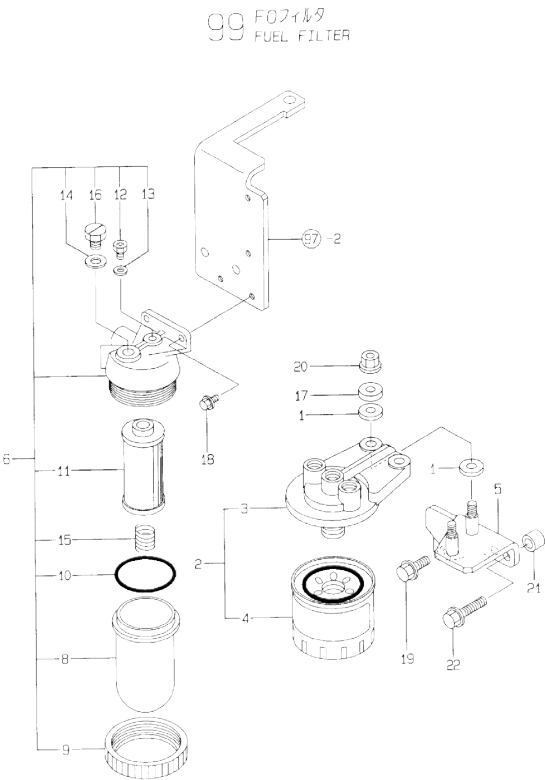
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729103-53300	VALVE ASSY,INJECTION	4							
2	2	129103-53050	VALVE ASSY,INJECTION	4							
5	2	114250-53080	NUT, NOZZLE D16.95	4							
7	2	114250-53120	SPRING, NOZZLE	4							
8	2	114250-53130	SEAT, SPRING	4							
9	2	114250-53140	PLATE	4							
10	2	114250-53210	PIN	8							
11	2	114250-53400	SHIM SET	4							
18	1	123658-39320	HOSE, RUBBER	1							
19	1	23297-080081	CLAMP, A8X 8	1							
20	1	129150-59120	RETAINER, PIPE	2							
23	2	129150-59131	BOLT, M4X14	4							
25	1	129400-59810	PIPE ASSY, INJECTION	1							
29	1	129400-59820	PIPE ASSY, INJECTION	1							
33	1	129400-59830	PIPE ASSY, INJECTION	1							
37	1	129400-59840	PIPE ASSY, INJECTION	1							
41	1	104200-59170	GASKET, 12	2							
42	1	129495-59300	BOLT, PIPE JOINT	1							
43	1	129411-59530	PIPE ASSY, FUEL	1							
50	1	129491-59540	BOLT, PIPE JOINT M6	4							
51	1	129411-59552	PIPE ASSY, RETURN	1							
57	1	129100-59951	VALVE ASSY, CHECK	1							
65	1	23414-060000	GASKET, 6X1.0	8							
66	1	23414-080012	GASKET, 8X1.0	2							
67	1	23414-140000	GASKET, 14X1.0	2							
68	1	23851-030000	JOINT BOLT 3	1							
69	1	43551-001451	UNION 8(M)	1							
70	1	26106-060122	BOLT, M6X 12 PLATED	1							

(A)=4TNE84T-GH
(B)=
(C)=

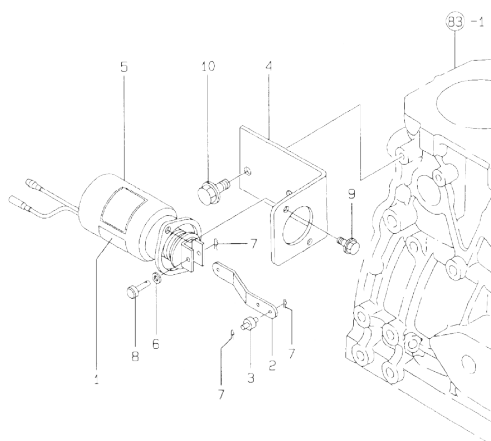
(D)=
(E)=
(F)=

Q'ty

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	160610-55460	INSULATOR	4							
2	1	129470-55601	FILTER ASSY, FUEL	1							
3	2	129470-55610	BODY, STRAINER	1							
4	2	129470-55701	STRAINER ASSY, FUEL	1							
5	1	171375-55612	BRACKET, STRAINER	1							
6	1	171081-55900	FILTER ASSY, PRE	1							
8	2	121370-55730	CUP, STRAINER	1							
9	2	110250-55610	RING, RETAINING	1							
10	2	103854-32050	O-RING	1							
11	2	171081-55910	SCREEN	1							
12	2	101720-55750	PLUG, 6	1							
13	2	23418-060000	GASKET, 6X1.0	1							
14	2	23414-080012	GASKET, 8X1.0	1							
15	2	121257-55720	SPRING	1							
16	2	135210-51900	PLUG	1							
17	1	121236-77340	SPACER	2							
18	1	26106-060142	BOLT, M6X 14 PLATED	2							
19	1	26106-080162	BOLT, M8X 16 PLATED	1							
20	1	26366-080002	NUT, M8	2							
21	1	129411-55690	SPACER	1							
22	1	26106-080302	BOLT, M8X 30 PLATED	1							

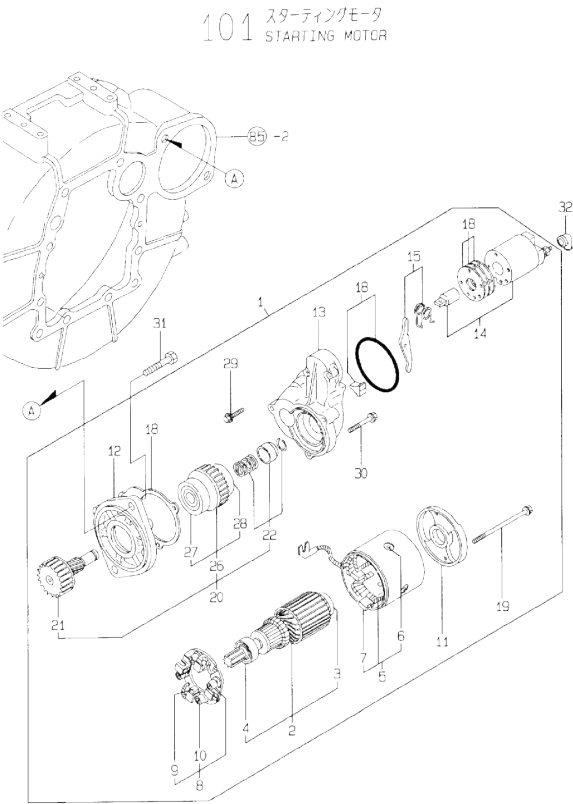


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ENGINE STOP DEVICE



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	171010-65100	LABEL	1							
2	1	171335-65110	LINK, SOLENOID	1							
3	1	171335-65120	PIN	1							
4	1	129410-65130	BRACKET, SOLENOID	1							
5	1	171335-77951	SOLENOID, MAGNETIC	1							
6	1	22117-050000	WASHER, 5	1							
7	1	22360-050000	SNAP PIN 5	3							
8	1	22487-050160	PIN, H 5X 16	1							
9	1	26106-060122	BOLT, M6X 12 PLATED	2							
10	1	26106-080142	BOLT, M8X 14 PLATED	2							

OCE10-M26900 ENGINE SECTION
Fig.101. STARTING MOTOR



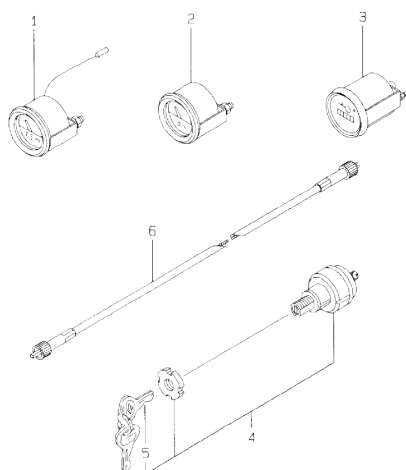
OCE10-M26900 Fig.101									
(A)=4TNE84T-GH (D)= (E)= (F)=									
No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129400-77011	STARTER, S13-94A	1					
2	2	129400-77400	ARMATURE ASSY	1					
3	3	171008-77410	BEARING	1					
4	3	171008-77420	BEARING	1					
5	2	129400-77440	COIL ASSY, FIELD	1					
6	3	171008-77450	SCREW	4					
7	3	129400-77460	BRUSH (+)	2					
8	2	129400-77470	HOLDER ASSY, BRUSH	1					
9	3	129400-77480	BRUSH (-)	2					
10	3	129400-77490	SPRING	4					
11	2	129400-77510	COVER, REAR	1					
12	2	171008-77510	CASE, GEAR	1					
13	2	129400-77520	HOUSING	1					
14	2	129400-77530	SWITCH ASSY,MAGNETIC	1					
15	2	171008-77540	LEVER SET	1					
18	2	129400-77570	COVER KIT, DUST	1					
19	2	129400-77640	BOLT, THROUGH	2					
20	2	171008-77650	PINION ASSY	1					
21	3	171008-77660	SHAFT	1					
22	3	171008-77670	STOPPER SET	1					
26	3	171008-77720	CLUTCH ASSY	1					
27	4	171008-77730	BEARING, BALL	1					
28	4	171008-77740	BEARING	1					
29	2	26106-060322	BOLT, M6X 32 PLATED	2					
30	2	26106-060402	BOLT, M6X 40 PLATED	3					
31	1	26116-120252	BOLT, M12X 25 PLATED	2					
32	1	124550-77030	COVER, TERMINAL	1					

This diagram shows an exploded view of a mechanical assembly. The main component is a large, complex housing (1) with several circular openings. Attached to it is a lever arm (2) which has a curved end (3). A pin (4) is shown passing through the lever arm and a small bracket (5). A nut (6) is shown at the end of the pin. A separate component (7) is shown with a pin (8) and a nut (9). A small bracket (10) is also shown. The diagram is a technical drawing with clear lines and no shading.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121450-01570	STUD	1							
2	1	171375-44300	PULLEY ASSY, TENSION	1							
3	2	171011-44301	PULLEY, TENSION	1							
4	2	171375-44320	BRACKET, PULLEY	1							
5	2	26706-100002	NUT, M10	1							
6	1	26366-100002	NUT, M10	1							
7	1	129100-77330	ADJUSTER	1							
8	1	26014-080252	BOLT, M8X 25	1							
9	1	26106-080502	BOLT, M8X 50 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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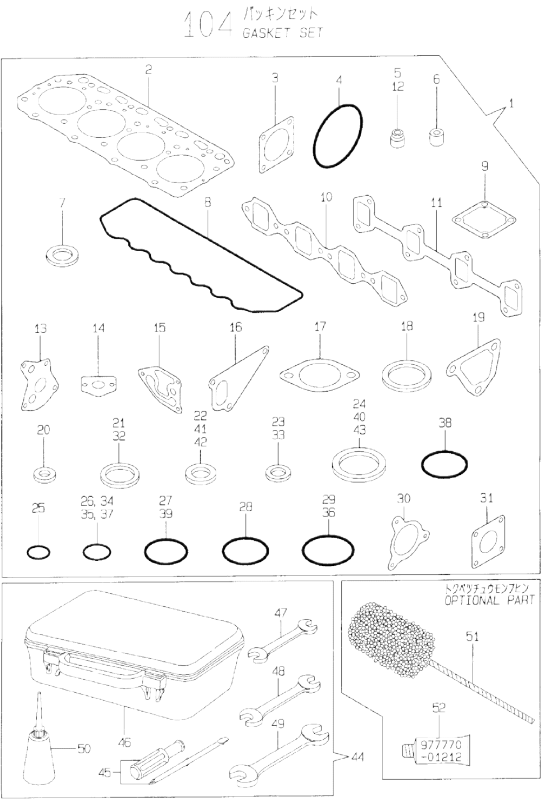
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No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171010-77850	THERMOSTAT	2							
2	1	171090-91010	GAUGE	1							
3	1	171014-91101	TACHOMETER	1							
4	1	121400-91251	SWITCH, STARTER	1							
5	2	121400-91271	KEY, SWITCH	1							
6	1	121400-91140	SHAFT	1							

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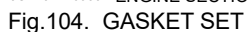
Fig.104. GASKET SET



Remarks
(1) OPTIONAL PART.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729408-92660	GASKET SET	1							1
2	2	129408-01330	GASKET, HEAD	1							
3	2	124240-01883	GASKET	1							
4	2	121850-51960	O-RING	1							
5	2	124460-11340	SEAL, VALVE STEM	4							
6	2	119625-11871	PROTECTOR, NOZZLE	4							
7	2	119625-11880	SEAT, NOZZLE	4							
8	2	129550-11310	GASKET, BONNET	1							
9	2	129150-77511	GASKET	1							
10	2	129550-12111	GASKET, MANIFOLD	1							
11	2	129550-13110	GASKET	1							
12	2	121400-11340	SEAL, VALVE STEM	4							
13	2	129150-32020	GASKET, PUMP	1							
14	2	129150-35041	GASKET	1							
15	2	129103-35122	GASKET	1							
16	2	129100-42020	GASKET, WATER PUMP	1							
17	2	129795-49551	GASKET	1							
18	2	129150-49811	GASKET, THERMOSTAT	1							
19	2	129100-49840	GASKET	1							
20	2	129155-52050	GASKET	1							
21	2	104200-59170	GASKET, 12	2							
22	2	22190-080002	WASHER, SEAL 6	7							
23	2	23414-100000	GASKET, 10X1.0	4							
24	2	23414-170000	GASKET, 17X1.0	1							
25	2	24311-000120	O-RING, 1AP12.0	3							
26	2	24311-000160	O-RING, 1AP16.0	2							
27	2	24311-000320	O-RING, 1AP32.0	2							
28	2	24341-000240	O-RING, 1AS24.0	1							
29	2	24341-000500	O-RING, 1AS50.0	1							
30	2	129472-18090	GASKET	1							
31	2	129792-13521	GASKET	1							
32	2	23414-120000	GASKET, 12X1.0	10							
33	2	129150-49360	GASKET	1							
33-1	2	129150-49360	GASKET	2							K
(A=E04856)											
34	2	24311-000200	O-RING, 1AP20.0	1							
35	2	24311-000210	O-RING, 1AP21.0	1							
36	2	24321-000550	O-RING, 1AG55.0	1							
37	2	24314-000160	O-RING, 4CP16.0	1							
38	2	24341-000250	O-RING, 1AS25.0	1							
39	2	24321-000300	O-RING, 1AG30.0	1							
40	2	124465-44950	GASKET, 16	2							
40-1	2	124465-44950	GASKET, 16	1							K
(A=E04856)											
41	2	23414-080012	GASKET, 8X1.0	6							
42	2	23414-060000	GASKET, 6X1.0	8							
43	2	23414-140000	GASKET, 14X1.0	2							
44	1	721400-92102	BOX ASSY, TOOL	1							
45	2	104200-92350	DRIVER, SCREW	1							
46	2	104200-92600	BOX, TOOL	1							
47	2	28110-100120	SPANNER, 10X12	1							

N:Old, New, Q:Old, R:Old, S:Old, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++
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[illegible]

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

Parts No. Index

Parts No.	Fig. No.	Ref. No.	Parts No.	Fig. No.	Ref. No.	Parts No.	Fig. No.	Ref. No.	Parts No.	Fig. No.	Ref. No.
101720-55750	15	7	106500-44870	16	8	119226-07900	64	63	119260-49800	10	17
		18	110250-55610	15	3	119248-01770	3	13	119260-66010	12	58
	35	12			15	119248-49530	10	16	119260-66720	12	70
	55	12		35	9	119248-59550	14	35	119265-01340	1	24
	77	12		55	9	119248-59560	14	41		20	2
	99	12		77	9	119248-66510	12	61	119265-01341	1	24 -1
103854-32050	15	16		99	9	119248-66900	16	9		20	2 -1
	35	10	114250-11120	4	19	119256-42290	10	14	119265-11260	4	32
	55	10	114250-11180	4	20	119256-44760	50	19	119265-11700	4	7
	77	10	114250-53080	34	5	119260-01200	1	23	119265-21700	8	1
	99	10		54	5	119260-01490	2	14	119265-22090	8	16
103854-39540	13	28		76	5	119260-01510	2	17	119265-22300	8	24
	33	27		98	5	119260-01590	2	1	119265-22500	8	18
	53	27	114250-53120	34	8	119260-02020	1	6	119265-23100	8	26
	75	27		54	8	119260-02410	1	16	119265-23200	8	31
	97	27		76	8	119260-03020	4	50	119265-44740	10	20
104200-59170	13	18		98	7	119260-03031	4	51		30	19
	20	24	114250-53130	14	9		20	11		50	18
	34	36		34	9	119260-07900	4	4	119266-02410	1	16 -1
	40	20		54	9	119260-11100	4	17	119270-61200	12	13
	54	36		76	9	119260-11110	4	18	119288-12050	5	1
	60	37		98	8	119260-11200	4	27	119288-12100	5	17
	76	36	114250-53140	34	10	119260-11240	4	28	119288-12590	5	9
	82	40		54	10	119260-11260	4	31	119305-35170	9	21
	98	41		76	10	119260-11270	4	33	119454-01721	3	11
	104	21		98	9	119260-11280	4	34	119462-12550	5	8
104200-92350	20	32	114250-53210	34	11	119260-11310	4	54	119600-01600	3	2
	40	36		54	11		20	12	119600-11450	4	25
	60	39		76	11	119260-11340	4	23		20	9
	82	44		98	10		20	8	119600-11460	4	26
	104	45	114250-53400	14	11	119260-11370	4	24		20	10
104200-92600	20	33		34	12	119260-11800	4	11	119600-21580	8	12
	40	37		54	12	119260-12111	5	18	119600-61100	12	3
	60	40		76	12		20	13	119600-61200	12	4
	82	45		98	11	119260-13100	6	2	119600-61500	12	27
	104	46	119131-18320	88	6 -1	119260-13110	6	3	119600-61541	12	42
104211-11180	24	24	119209-35030	9	16 -1		20	14	119600-61650	12	43
104211-11370	24	28		20	28	119260-14100	7	7	119600-61900	12	47
104500-55710	15	4	119209-59810	14	23	119260-14200	7	1	119600-66681	12	56
105010-11230	4	36	119209-59820	14	27	119260-14400	7	2	119600-66840	12	96
		40	119209-59830	14	31	119260-14580	7	3	119620-01620	3	6
105300-51300	51	27	119215-52500	13	2	119260-21200	8	5	119620-01750	3	4
	73	27	119215-59700	13	11	119260-21650	8	8		23	3
	95	28	119215-59800	13	15	119260-25100	7	11		43	3
105546-51330	11	25	119225-14200	7	18	119260-32000	9	1		63	3
105582-59150	13	6	119225-35300	9	22	119260-35081	9	15		85	3
	33	6	119225-42320	10	10	119260-42001	10	1	119620-01800	2	4
	53	6	119225-51100	11	4	119260-42002	10	1 -1	119620-02020	21	13
	75	6	119225-51300	11	22	119260-42020	10	12	119620-02450	7	4
	97	6	119226-07900	44	63		20	18	119620-11350	4	44

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119620-51170	11	7
119620-51180	11	8
119620-51190	11	9
119620-51250	11	10
119620-51340	11	26
119620-51350	11	27
119620-51370	11	28
119620-51450	11	29
119620-51461	11	30
119620-51510	11	32
119620-51650	11	34
119620-51660	11	35
119620-51670	11	36
119620-51680	11	37
119620-51700	11	38
119620-53000	14	3
119620-53080	14	6
119620-53120	14	8
119620-53140	14	10
119620-59700	14	46
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119621-11950	1	26
119621-11960	1	27
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119621-21680	8	9
119621-66051	12	59
119621-66091	12	49
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119625-11871	24	42
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119625-11880	24	43
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	64	46
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	86	47
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119629-49080	10	34
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	94	43
119629-66510	12	64
119640-01640	23	9
119640-12580	5	11
119645-49020	10	30
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119660-01562	2	21
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119660-01570	2	22
119660-01640	3	7
119660-01821	7	17
119660-01911	2	5
119660-25022	7	9
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119660-32020	9	11
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119660-51500	11	31
119660-51530	11	33
119660-61052	12	17
119660-61060	12	1
119660-61071	12	2
119660-61121	12	10
119660-61140	12	11
119660-61150	12	12
119660-61300	12	8
119660-61341	12	9
119660-61460	12	18
119660-61491	12	26
119660-61901	12	48
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	52	81
	74	81
	96	81
119660-77330	18	5
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119688-12540	5	5
119688-49010	10	29
119802-13650	88	3 -1
119802-13670	88	4 -1
119802-13820	88	5 -2
119810-01200	21	22
119810-01730	23	6

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119810-01780	23	17
119810-02800	21	14
119810-02870	21	24
119810-02930	21	17
119810-02940	21	27
119810-11080	24	12
119810-11090	24	13
119810-11100	24	21
119810-11120	24	22
119810-11130	24	23
119810-11240	24	31
119810-12100	25	1
119810-12111	25	2
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119810-13100	26	2
119810-13110	26	3
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119810-14400	27	2
119810-14580	27	3
119810-23200	28	30
119810-23600	28	31
119810-23610	28	33
119810-23910	28	29
119810-35300	29	19
119810-39200	29	32
119810-39650	29	50
119810-42001	30	1
119810-51040	31	6
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119811-59810	34	24
119811-59820	34	28
119811-59830	34	32
119813-21000	28	1
119813-22300	28	23
119818-01330	21	23
	40	2
119818-22090	28	17
119818-22510	28	19
119818-22900	28	35
119818-22950	28	37
119831-42290	50	16
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119860-12550	5	6
119860-12560	5	7
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119865-11310	24	55
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120130-11860	44	12
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	69	12
	91	12
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121120-77930	17	15
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	97	30
121236-77340	55	17
	77	17
	99	17
121250-44901	10	23
	30	27
	50	31
	72	31
	94	31
121252-39150	71	3
	93	2
121257-55720	15	22
	35	15
	55	15
	77	15
	99	15
121370-55730	15	6
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	35	8
	55	8
	77	8
	99	8
121400-01640	3	14
121400-11340	44	28
	60	12
	64	28
	82	12
	86	28
	104	12
121400-91140	19	6
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	39	4		60	4	124160-39140	29	31		20	19
	59	4		62	13		49	28			19 -1
	81	4		82	4		71	2		30	28
	103	4		84	12		93	1			28 -1
121400-91271	19	5		104	4	124160-39450	9	18		40	27
	39	5					29	36			27 -1
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	81	5		51	50		71	1			34 -1
	103	5		73	50		93	3		60	27
121450-01560	2	18		95	49	124195-77770	37	47			27 -1
	22	6	122710-51090	31	10		57	54		72	34
	42	6		51	10		79	54			34 -1
	62	6		73	10	124223-39900	71	10		82	27
	84	6		95	11		93	11			27 -1
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	58	1	123682-44210	10	28		42	8			34 -1
	80	1		30	36		62	8		104	40
	102	1		50	36		84	8			40 -1
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121520-01851	2	36	124060-01050	1	5		40	3		51	32
	20	23	124060-11800	24	14		42	9		73	32
121520-01860	2	37	124070-13300	93	17		60	3		95	33
121520-34810	9	13	124085-02220	3	9		62	9	124550-51370	31	33
	29	17	124097-77900	1	29 -1		82	3		51	33
	49	17		21	6 -1		84	9		73	33
	70	22		41	6 -1		104	3		95	34
	92	23		61	6 -1	124250-03640	12	107	124550-59820	29	37
121521-12400	5	2		83	6 -1	124250-49351	29	42		49	33
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	69	30	124160-01751	2	12		70	34		93	13
	91	30		4	49		92	38	124550-66370	12	60
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	50	30		24	61	124298-77020	57	33		52	57
	72	30		42	7		79	33		74	57
	83	28		44	64	124450-11900	6	1		96	57
121575-66830	12	95		62	7		20	26	124550-77030	17	50
121575-77900	16	1		64	64		26	1		37	49
121575-77960	16	3		84	7		40	19		57	56
121575-77970	16	4		86	52		46	1		79	56
121575-77980	16	5	124160-01910	21	5		60	36		101	32
121575-77990	16	6		41	5	124450-44590	72	36	124732-59080	13	30
121850-11860	24	16		61	5	124460-11340	44	29		33	30
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	48	11	124160-11340	24	26		82	5		44	5
	69	11		40	5		86	29		64	5
	91	11	124160-11360	4	47		104	5		86	5
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	75	29		8	2		72	21	129103-35122	70	32
	97	29		23	1		82	18		82	39
124790-52201	13	1			14		94	21		92	36
	33	1		28	2		104	19		104	15
	53	1		43	1	129100-52200	31	94	129103-39451	71	4
	75	1			15		51	95	129103-39600	71	14
	97	1		48	2		73	95	129103-39611	71	15
124790-55601	15	1		63	1		95	95	129103-49301	72	1
124950-11340	24	27			15	129100-53000	54	2		94	1
	40	12		69	2	129100-59811	54	24	129103-53050	76	2
124950-51190	31	17		85	1		76	24		98	2
	51	17			15	129100-59821	54	28	129122-44480	62	12
	73	17		91	2		76	28		72	49
	95	15	129100-01640	43	16	129100-59831	54	32		94	49
124976-77011	37	1		63	16		76	32	129129-14580	47	3
128170-51300	31	27		85	16	129100-59850	34	53		67	3
129001-02800	41	14	129100-01730	43	6		54	53	129132-34800	9	14
	61	14		63	6		76	53	129136-12600	5	12
	83	14	129100-01760	43	8	129100-59951	34	52	129136-34800	49	16
129001-21000	48	1		63	8		54	52	129150-01200	41	27
	69	1	129100-11100	44	23		76	52		61	27
129001-32001	29	1		64	23		98	57		83	29
	49	1		86	23	129100-59961	34	56	129150-02020	41	7
129001-35300	29	27	129100-11130	44	25		54	56		61	7
	49	24		64	25		76	56		83	7
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	72	2	129100-11350	44	50		54	57		47	4
	94	2		64	50		76	57		67	4
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	72	22	129100-23910	48	29		52	18	129150-02870	41	32
	94	22		69	29		74	18		61	32
129002-01331	41	28		91	29		96	18		83	35
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	69	17	129100-25900	27	18	129100-61821	32	54		61	29
	91	17		47	16		52	54		83	32
129002-22510	48	19	129100-35140	70	28		74	54	129150-03020	24	50
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	91	19	129100-35301	49	19	129100-61930	12	57		64	52
129002-22900	48	33		70	24	129100-77330	102	7		86	53
	69	33	129100-42020	50	14	129103-01530	62	5	129150-03070	24	51
	91	33		60	15	129103-12080	65	9		44	53
129002-22950	48	35		72	14	129103-13110	66	1		64	53
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	91	35		94	14	129103-33031	70	16	129150-03080	24	52

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129150-11230	62	11	129150-23600	91	5		30	41	129150-91400	82	9
	84	11		48	31		50	40		87	11
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129150-11280	44	41	129150-23610	91	31		94	41		2	32
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	86	41		69	39	129150-49360	30	40		42	25
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129150-11310	86	36	129150-25900	67	11		10	40	129155-11260	64	33
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129150-11370	44	57		89	15		30	45		64	34
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129150-11750	82	8		67	14		49	40		44	35
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	86	43		82	13		28	-1	129155-51020	94	27
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129150-14101	65	2		82	14		60	17	129155-51060	95	8
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	73	18	129155-51450	31	40		73	77	129155-61350	32	16
	95	16		51	40	129155-51790	31	78		52	16
129155-51270	31	25		73	40		51	78		74	16
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129156-51910	31	79
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	73	79
	95	77
129202-22300	48	23
	69	23
	91	23
129211-49020	50	38
129215-18290	66	6
129255-61410	32	78
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129255-61420	96	78
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129400-01520	94	25
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129400-01730	84	5
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129400-11350	86	51
129400-12100	87	1
129400-59810	98	25
129400-59820	98	29
129400-59830	98	33
129400-59840	98	37
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129400-77330	58	7
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129400-77440	101	5
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129400-77520	101	13
129400-77530	101	14
129400-77570	101	18
129400-77640	101	19
129400-92410	20	30
129400-92420	40	42
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	82	50
129403-12090	104	51
	87	7
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129403-39460	72	17
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	94	50
129403-42380	72	51
	94	51
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129403-49031	73	11
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	68	2
129403-49050	68	20
	68	23
	68	27
129403-51200	88	1
	90	4
	83	30
129404-18720	104	2
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