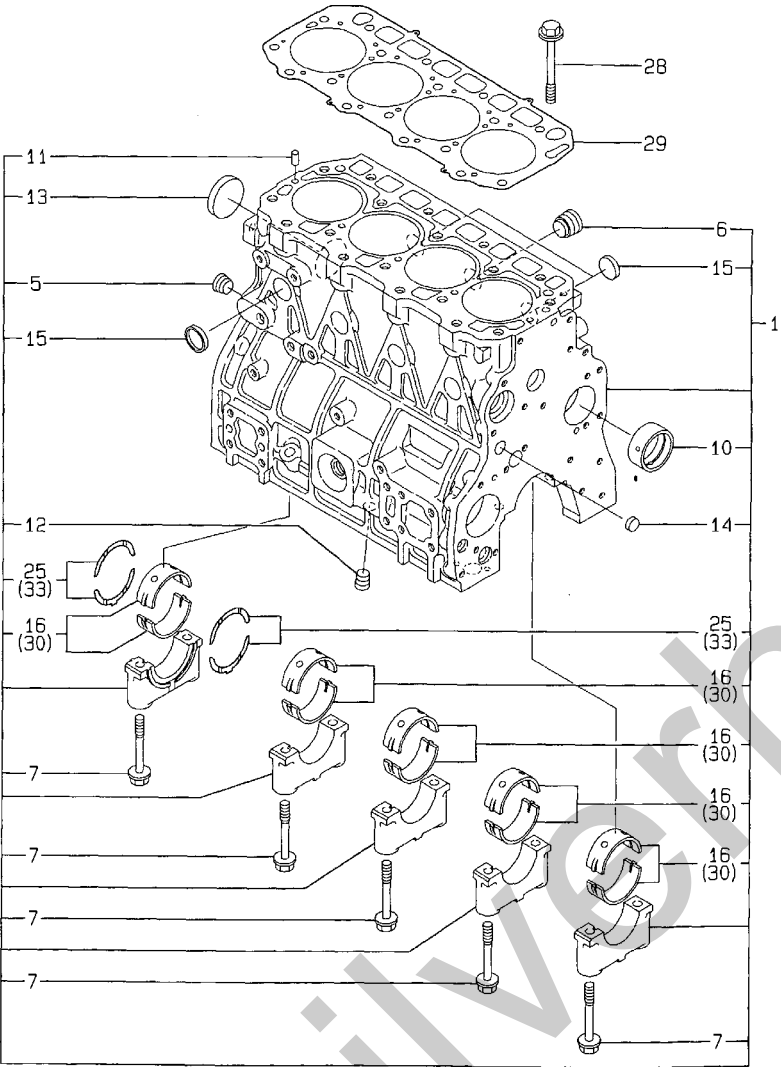


Fig.1. CYLINDER BLOCK

1, CYLINDER BLOCK



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

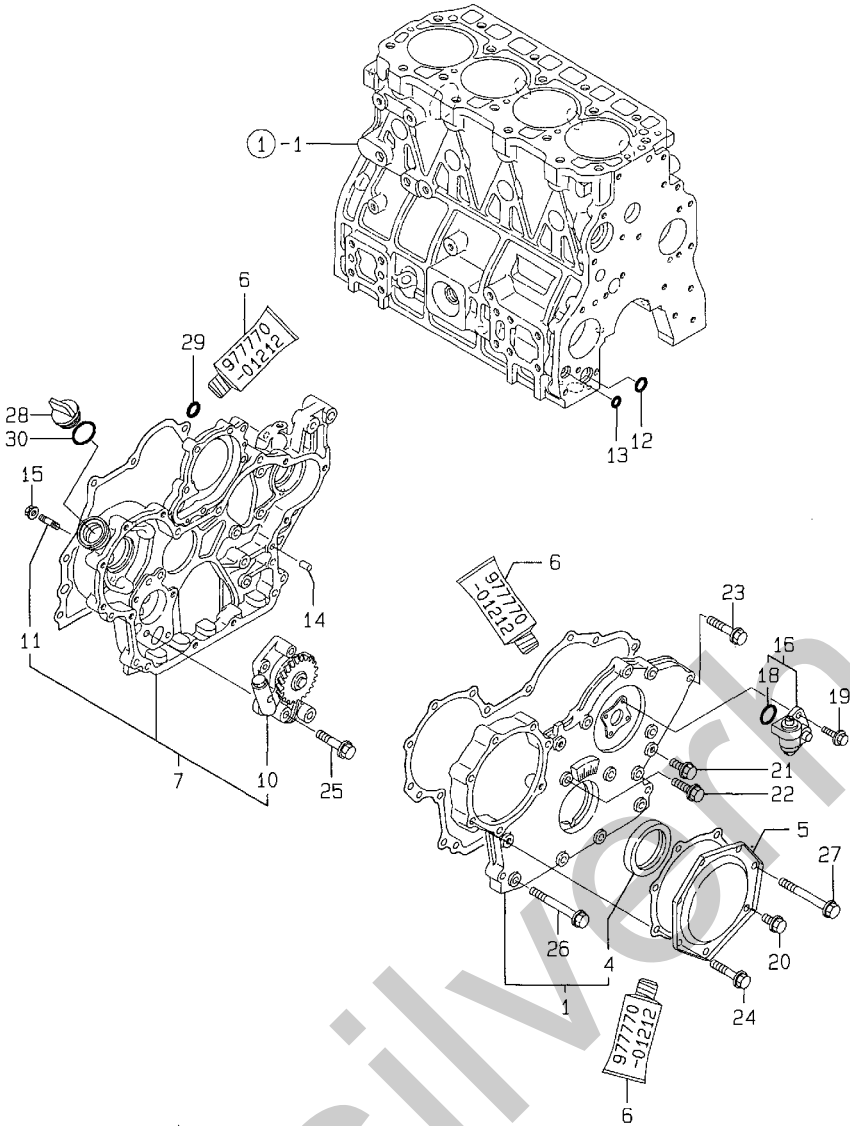
Y00R4580 1. CYLINDER BLOCK

(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729902-01560	BLOCK ASSY, CYLINDER	1	1						
5	2	23871-030000	PLUG PT3/8,SCREW	1	1						
6	2	171051-01921	PLUG	1	1						
7	2	129900-02020	BOLT, METAL CAP	10	10						
10	2	129900-02410	BUSH, CAMSHAFT	1	1						
11	2	22351-060012	SPRING PIN 6X12	2	2						
12	2	23871-030000	PLUG PT3/8,SCREW	1	1						
13	2	27231-550000	PLUG 55	1	1						
14	2	27241-160000	PLUG 16	1	1						
15	2	27241-300000	PLUG 30	8	8						
16	2	129900-02800	BEARING ASSY, MAIN	5	5						
25	2	129900-02930	BEARING ASSY, THRUST	2	2						
28	1	129900-01200	BOLT, HEAD	18	18						
29	1	129902-01330	GASKET,CYL.HEAD	1	1						
30	1	129900-02340	MAIN BEARING US=0.25	5	5						1
33	1	129900-02940	BEARING,THRUST .25OS	2	2						2

Fig.2. GEAR HOUSING

2, GEAR HOUSING



2. GEAR HOUSING

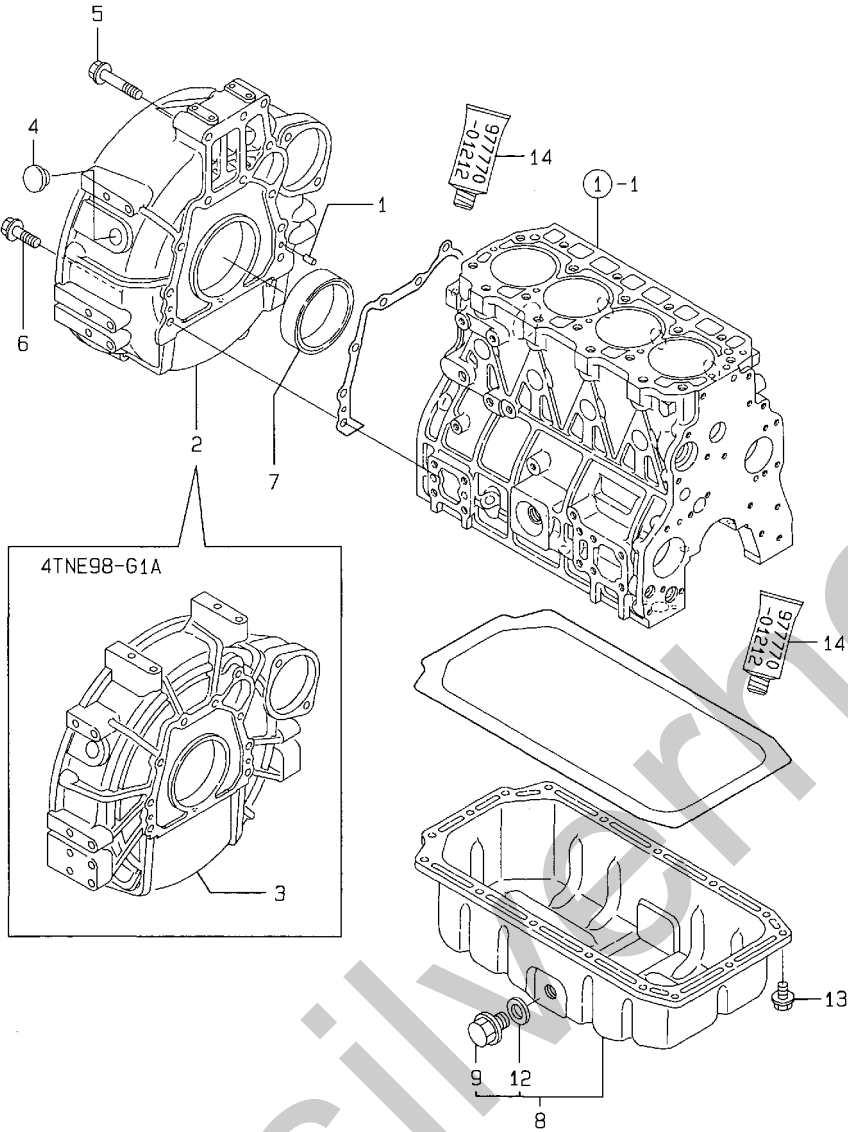
(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729900-01570	COVER, GEAR HOUSING	1	1						
4	2	129900-01780	SEAL, OIL	1	1						
5	1	129900-01740	COVER, F.I. PUMP	1	1						
6	1	977770-01212	GASKET, LIQUID	1	1						1
7	1	129900-01820	HOUSING COMP, GEAR	1	1						
10	2	129900-32000	PUMP ASSY, LUB. OIL	1	1						
11	2	26216-100302	STUD BOLT	4	4						
12	1	129900-32030	O-RING P20	1	1						
13	1	129900-32040	O-RING P14	1	1						
14	1	22312-080160	PARALLEL PIN 8X 16	4	4						
15	1	26366-100002	NUT M10	4	4						
16	1	129150-91400	GEAR UNIT,TACHOMETER	1	1						
18	2	24341-000240	O-RING 1A S-24.0	1	1						
19	1	26106-060162	BOLT M 6X 16 PLATED	2	2						
20	1	26106-080162	BOLT M 8X 16 PLATED	1	1						
21	1	26106-080202	BOLT M 8X 20 PLATED	3	3						
22	1	26106-080302	BOLT M 8X 30 PLATED	1	1						
23	1	26106-080402	BOLT M 8X 40 PLATED	5	5						
24	1	26106-080402	BOLT M 8X 40 PLATED	5	5						
25	1	26106-080452	BOLT M 8X 45 PLATED	3	3						
26	1	26106-080702	BOLT M 8X 70 PLATED	6	6						
27	1	26106-080702	BOLT M 8X 70 PLATED	1	1						
28	1	124160-01751	CAP, LUB.OIL SUPPLY	1	1						
29	1	24311-000070	O-RING 1A P-7.0	1	1						
30	1	24311-000320	O-RING 1A P-32.0	1	1						

Remarks
(1) OPTIONAL PART.

Fig.3. FLYWHEEL HOUSING & OIL SUMP

3, FLYWHEEL HOUSING & OIL SUMP



Y00R4580 3. FLYWHEEL HOUSING & OIL SUMP

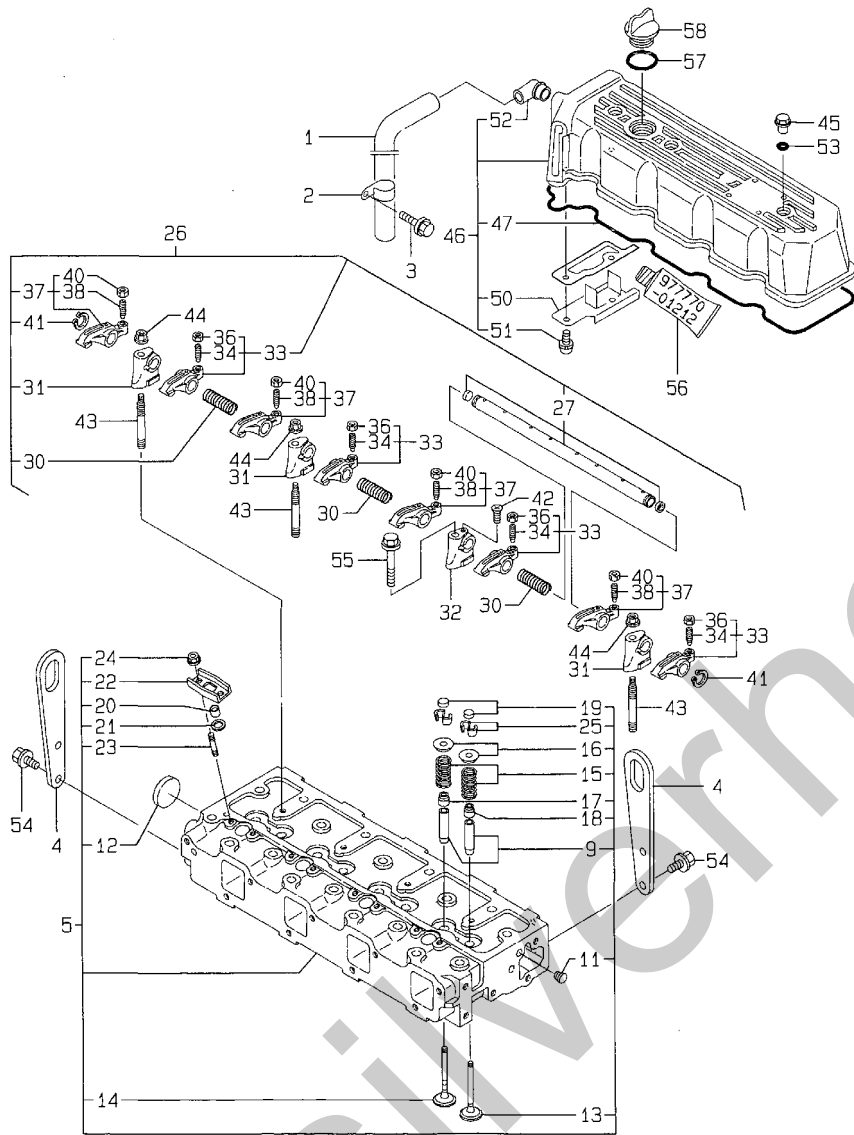
(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PARALLEL PIN 8X16	2	2						
2	1	129955-01600	FLTWHEEL HOUSING	1							
3	1	129915-01600	FLYWHEEL HOUSING		1						
4	1	119620-01750	CAP, FLYWHEEL COVER	1	1						
5	1	26206-100702	BOLT M10X 70 PLATED	3							
6	1	26206-100352	BOLT M10X 35 PLATED	9	9						
7	1	124411-01780	SEAL HTC95,115,10	1	1						
8	1	129902-01710	SUMP ASSY, OIL	1	1						
9	2	119640-01640	DRAIN PLUG M22	1	1						
12	2	22190-220002	SEAL WASHER 22S	1	1						
13	1	26106-080122	BOLT M 8X 12 PLATED	21	21						
14	1	97770-01212	GASKET, LIQUID	1	1						1

Remarks
(1) OPTIONAL PART.

Fig.4. CYLINDER HEAD & BONNET

4, CYLINDER HEAD & BONNET



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

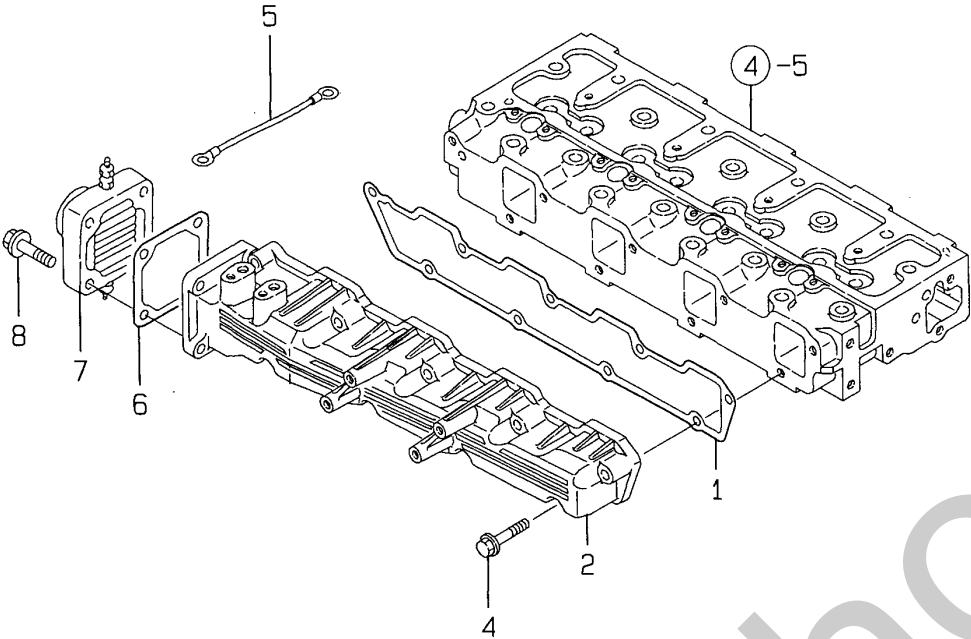
Y00R4580 4. CYLINDER HEAD & BONNET

(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119006-03090	HOSE, BREATHER	1	1						
2	1	129150-03100	RETAINER	1	1						
3	1	26106-080122	BOLT M 8X 12 PLATED	1	1						
4	1	129900-07900	LIFTER, ENGINE	2	2						
5	1	729900-11100	HEAD ASSY, CYLINDER	1	1						
9	2	129150-11810	GUIDE, VALVE	8	8						1
11	2	23871-005000	PLUG PT 1/16	1	1						
12	2	27241-400000	PLUG 40	1	1						
13	2	129900-11100	VALVE, SUCTION	4	4						
14	2	129900-11110	VALVE, EXHAUST	4	4						
15	2	129900-11120	SPRING, VALVE	8	8						
16	2	129795-11180	RETAINER, SPRING	8	8						
17	2	121400-11340	SEAL, VALVE STEM	4	4						
18	2	124460-11340	SEAL, VALVE STEM	4	4						
19	2	129150-11370	CAP, VALVE	8	8						
20	2	119625-11870	PROTECTOR, NOZZLE	4	4						
21	2	119625-11880	SEAT, NOZZLE	4	4						
22	2	119625-11900	RETAINER	4	4						
23	2	26216-060202	STUD M 6X 20 PLATED	8	8						
24	2	26366-060002	NUT M 6	8	8						
25	2	27310-080000	COTTER 8	16	16						
26	1	129900-11200	SUPPORT ASY,ROCK.ARM	1	1						
27	2	129900-11240	SHAFT ASSY,ROCK. ARM	1	1						
30	2	129900-11280	SPRING	3	3						
31	2	129900-11510	SUPPORT	3	3						
32	2	129900-11520	SUPPORT	1	1						
33	2	129900-11650	ARM KIT, SUC. ROCKER	4	4						
34	3	129150-11230	SCREW, VALVE	4	4						
36	3	129150-11750	NUT M8XP1.0	4	4						
37	2	129900-11660	ARM KIT, EXH. ROCKER	4	4						
38	3	129150-11230	SCREW, VALVE	4	4						
40	3	129150-11750	NUT M8XP1.0	4	4						
41	2	22242-000180	CIRCLIP 18	2	2						
42	2	26577-040122	SCREW M 4 X 12	1	1						
43	1	129900-11530	STUD BOLT	3	3						
44	1	26366-100002	NUT M10	3	3						
45	1	124160-11360	KNOB	3	3						
46	1	129900-11350	BONNET ASSY	1	1						
47	2	129900-11310	GASKET, BONNET	1	1						
50	2	129900-11600	PLATE	1	1						
51	2	26022-050122	SCREW M 5X 12	2	2						
52	2	119100-11330	JOINT, BREATHER	1	1						
53	1	24311-000120	O-RING 1A P 12.0	3	3						
54	1	26106-080162	BOLT M 8X 16 PLATED	4	4						
55	1	26106-100652	BOLT M10X 65 PLATED	1	1						
56	1	977770-01212	GASKET, LIQUID	1	1						2
57	1	24311-000320	O-RING 1A P-32.0	1	1						
58	1	124160-01751	CAP, LUB.OIL SUPPLY	1	1						

Fig.5. SUCTION MANIFOLD

5, SUCTION MANIFOLD



Y00R4580 5. SUCTION MANIFOLD

(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-12050	GASKET, SUC.MANIFOLD	1	1						
2	1	129900-12000	MANIFOLD,INT	1	1						
4	1	26106-080452	BOLT M 8X 45 PLATED	9	9						
5	1	129100-77820	CORD, EARTH	1	1						
6	1	121850-77021	GASKET, (NON-ASB.)	1	1						
7	1	121850-77050	HEATER, AIR	1	1						
8	1	26106-080352	BOLT M 8X 35 PLATED	4	4						

Fig.6. EXHAUST MANIFOLD

(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

6, EXHAUST MANIFOLD

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-13200	MANIFOLD, EXHAUST	1	1						
3	1	129900-13251	GASKET	1	1						
4	1	26106-080802	BOLT M 8X 80 PLATED	6	6						
5	1	26216-080222	STUD M 8X 22 PLATED	4	4						
6	1	129400-13201	GASKET, (NON-ASB.)	1	1						
7	1	26216-080802	STUD M 8X 80 PLATED	2	2						
8	1	26366-080002	NUT M 8	2	2						

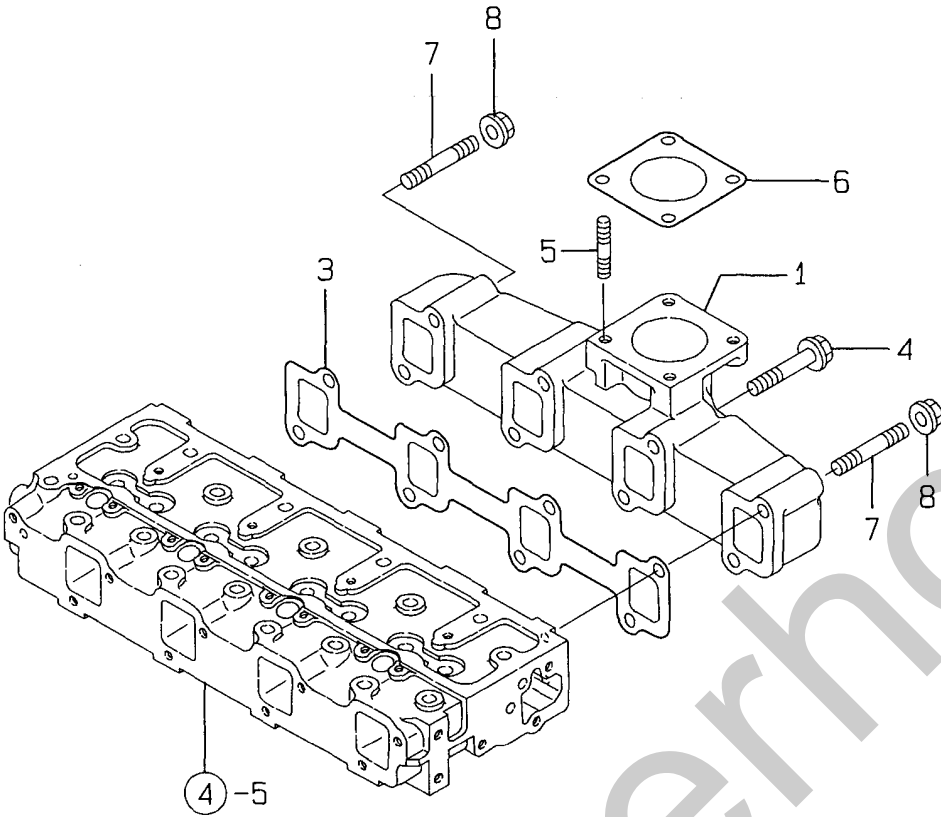
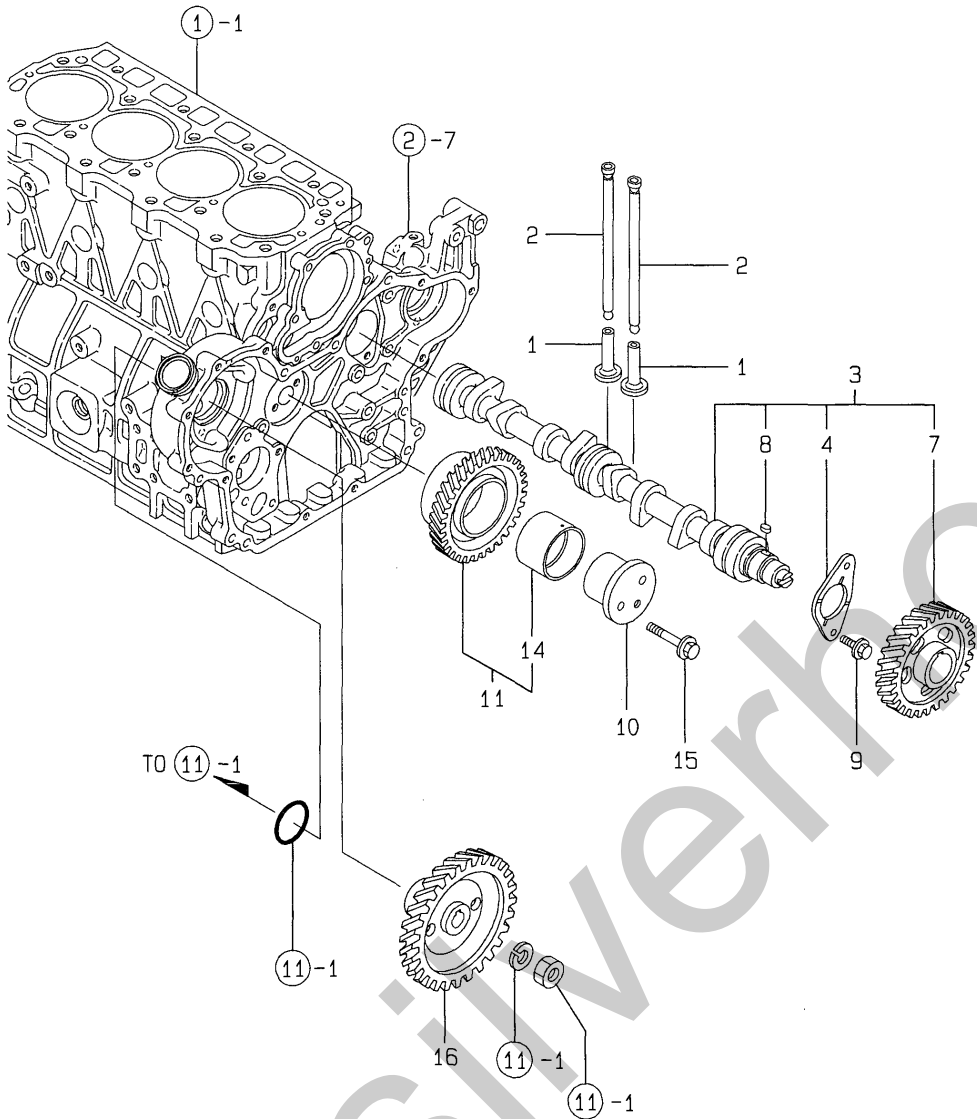


Fig.7. CAMSHAFT & DRIVING GEAR

(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	8	8						
2	1	129900-14400	ROD, PUSH	8	8						
3	1	129900-14580	CAMSHAFT ASSY	1	1						
4	2	129150-02450	METAL, THRUST	1	1						
7	2	129900-14100	GEAR, CAMSHAFT	1	1						
8	2	22512-070140	KEY 7X 14	1	1						
9	1	26106-080162	BOLT M 8X 16 PLATED	2	2						
10	1	129900-25060	SHAFT, IDLER	1	1						
11	1	129900-25100	GEAR ASSY, IDLE	1	1						
14	2	129150-25920	BUSH, IDLE GEAR	1	1						1
15	1	26106-080552	BOLT M 8X 55 PLATED	2	2						
16	1	129900-25900	GEAR, FI-P	1	1						

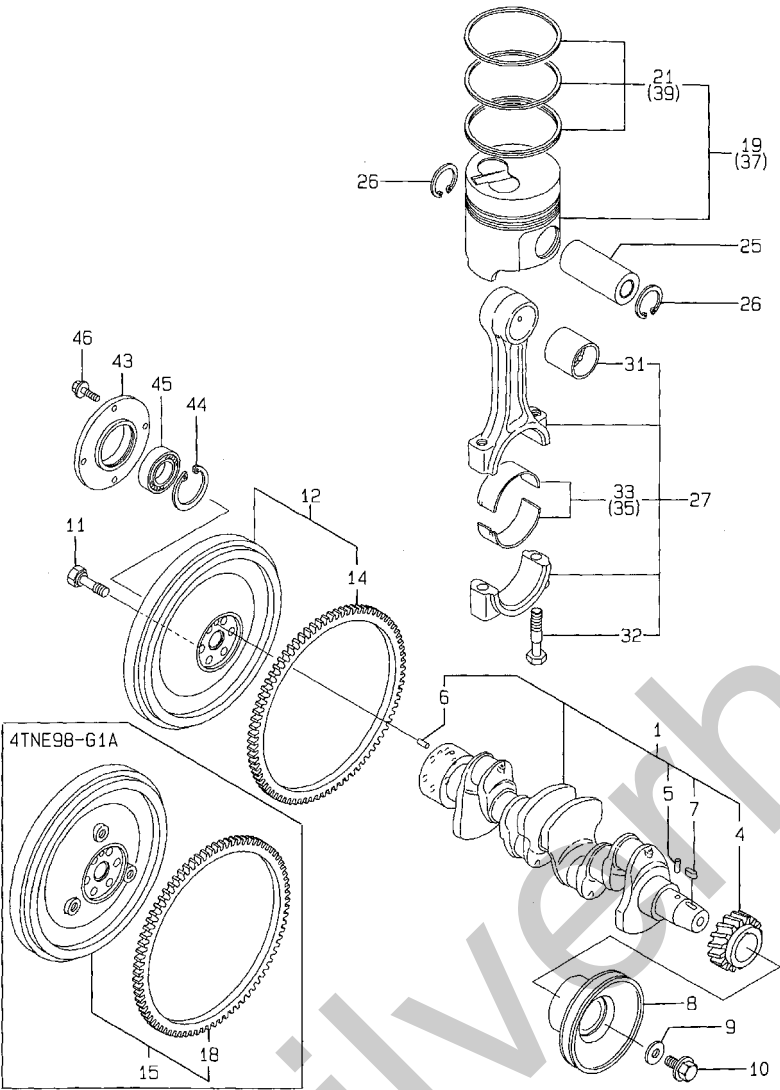
7, CAMSHAFT & DRIVING GEAR



Remarks
(1) REPAIR PART.

Fig.8. CRANKSHAFT & PISTON

8, CRANKSHAFT & PISTON



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

Y00R4580 8. CRANKSHAFT & PISTON

(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129902-21000	CRANKSHAFT COMP	1	1						
4	2	129900-21200	GEAR, CRANKSHAFT	1	1						
5	2	121850-21290	PARALLEL PIN	1	1						
6	2	121850-21920	PARALLEL PIN 10X22	1	1						
7	2	22512-070140	KEY 7X 14	1	1						
8	1	129900-21670	V-PULLEY	1	1						
9	1	129900-21640	WASHER	1	1						
10	1	121850-21680	BOLT, V-PULLEY	1	1						
11	1	121850-21130	BOLT, FLYWHEEL	6	6						
12	1	129955-21590	FLYWHEEL ASSY	1							
14	2	129900-21600	GEAR, RING	1							
15	1	129902-21580	FLYWHEEL ASSY		1						
18	2	127410-21480	RING GEAR		1						
19	1	129902-22080	PISTON W/RING	4	4						
21	2	129903-22050	RING SET	4	4						
25	1	120130-22301	PIN, PISTON	4	4						
26	1	22252-000300	CIRCLIP 30	8	8						
27	1	129900-23000	ROD ASSY, CONNECTING	4	4						
31	2	129900-23910	BUSH, PISTON PIN	4	4						1
32	2	129900-23200	BOLT, ROD	8	8						
33	2	129900-23600	METAL ASSY, CRANKPIN	4	4						
35	1	129900-23610	BEARING,PIN U.S=0.25	4	4						2
37	1	129902-22900	PISTON W/RING O.S=25	4	4						3
39	2	129903-22950	RING SET O.S=0.25	4	4						3
43	1	171085-21451	HOUSING, BEARING	1							
44	1	22252-000721	RING 72	1							
45	1	24105-063064	BALL BEARING	1							
46	1	26106-080222	BOLT M 8X 22 PLATED	4							

Fig.9. LUB.OIL SYSTEM

(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-34800	DIPSTICK	1	1						
2	1	26106-080122	BOLT M 8X 12 PLATED	1	1						
3	1	121520-34810	GUIDE, DIPSTICK	1	1						
4	1	129150-35151	FILTER 80X80L	1	1						
5	1	119000-35140	STUD, LUB.OIL FILTER	1	1						
6	1	129900-32030	O-RING P20	1	1						
7	1	129900-35000	PIPE ASSY, LUB. OIL	1	1						
12	1	26106-080122	BOLT M 8X 12 PLATED	1	1						
13	1	26106-080162	BOLT M 8X 16 PLATED	1	1						
14	1	124160-39450	SWITCH, OIL PRESSURE	1	1						
15	1	129900-39350	PIPE, LUB. OIL	1	1						
16	1	23297-060081	RETAINER 6X 8	1	1						
17	1	23414-080000	GASKET 8, ROUND	2	2						
18	1	23857-030000	JOINT BOLT 3	1	1						
19	1	22190-080002	SEAL WASHER 8S	1	1						

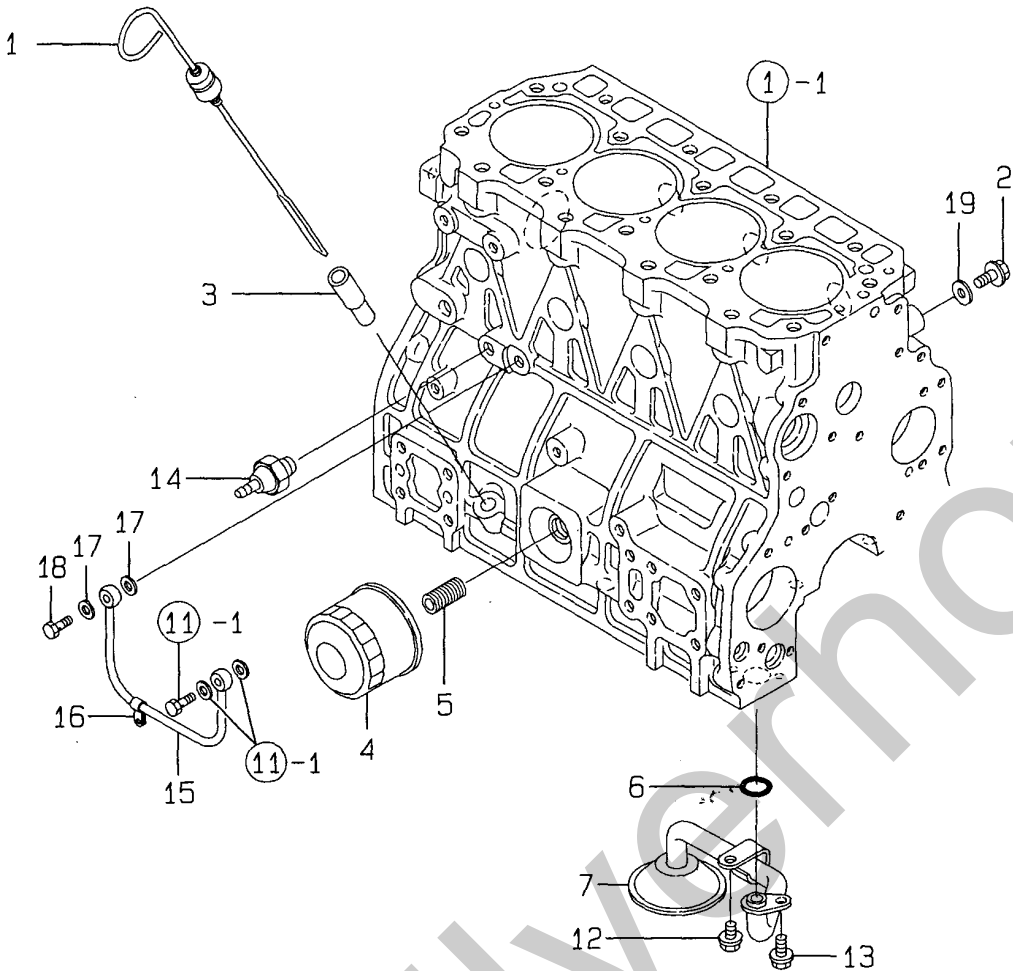
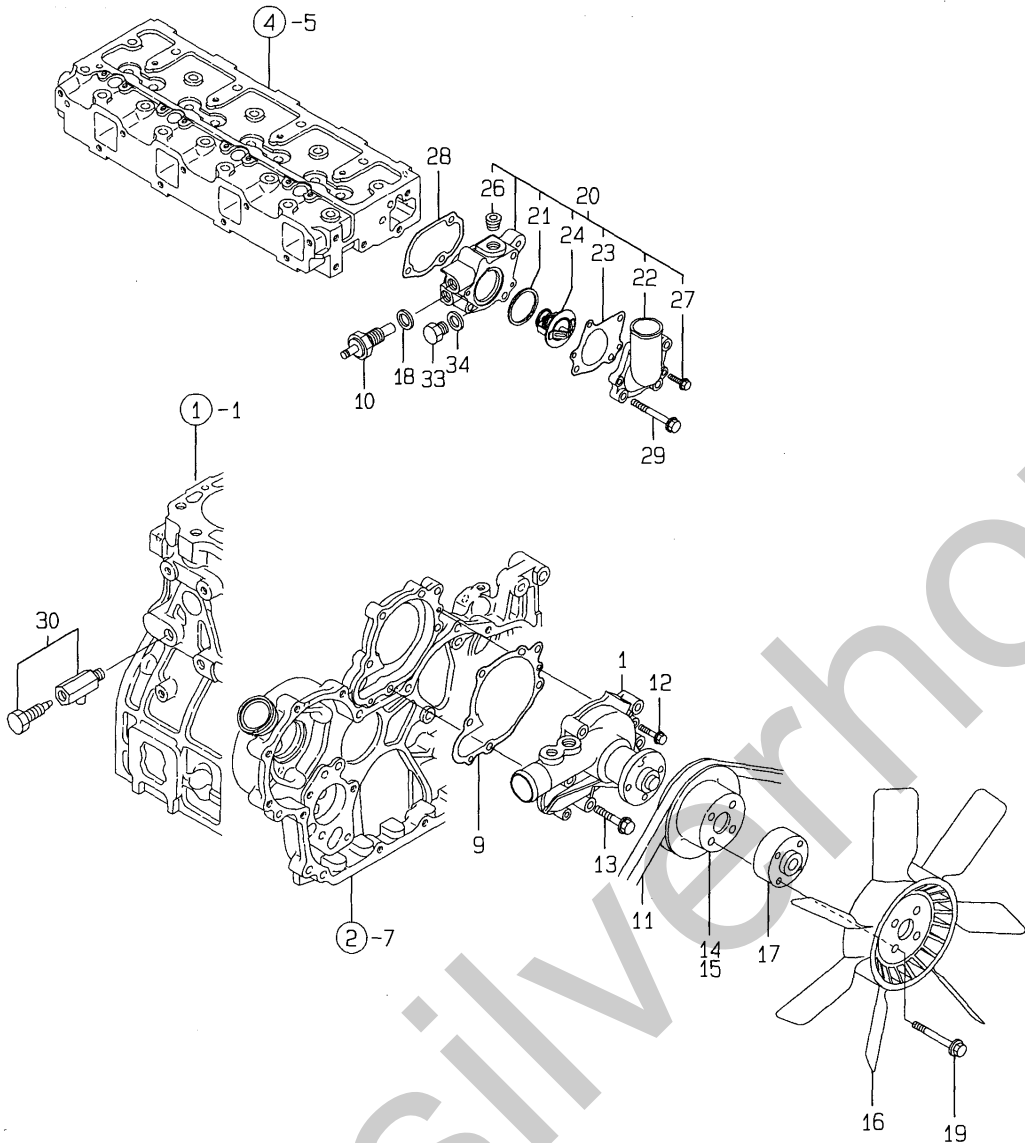


Fig.10. COOLING WATER SYSTEM

10, COOLING WATER SYSTEM



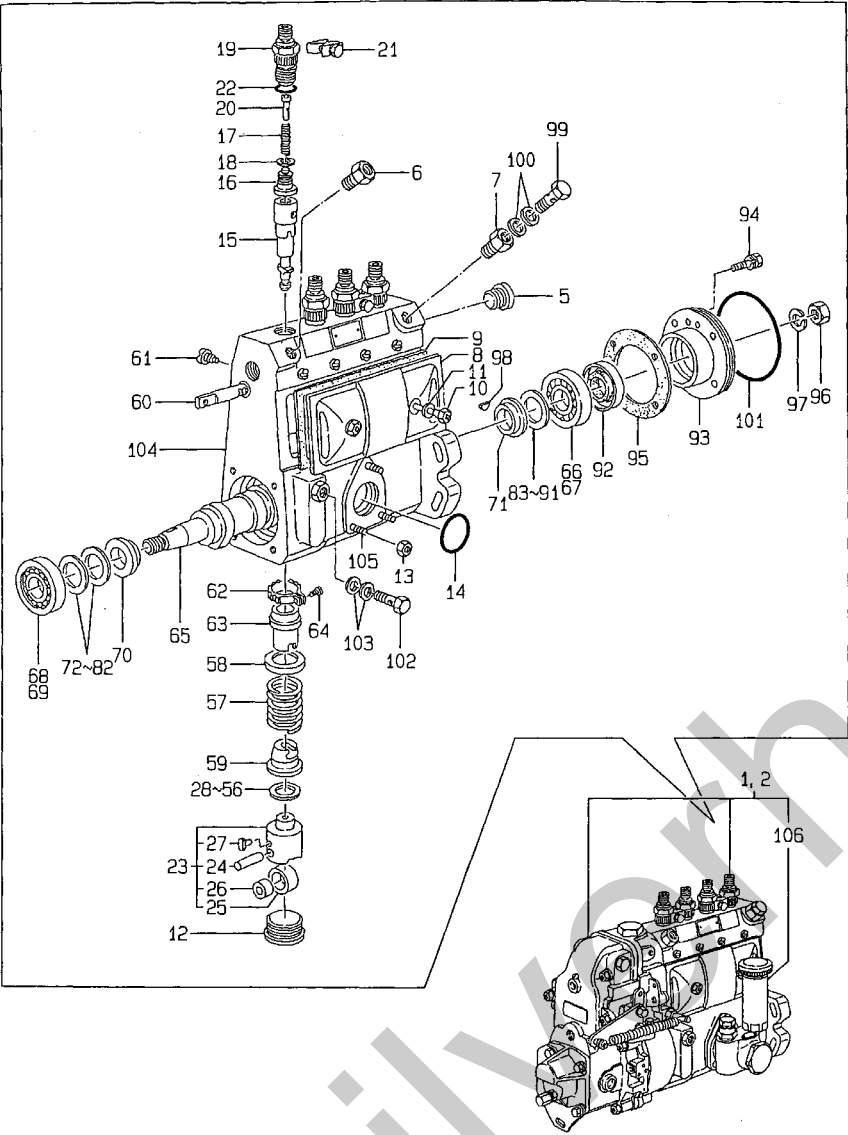
10. COOLING WATER SYSTEM

(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-42000	PUMP, COOLING WATER	1	1						
9	1	129900-42020	GASKET, CW-P	1	1						
10	1	121250-44901	SWITCH, THERMO(110 C	1	1						
11	1	25132-004100	V-BELT	1	1						
12	1	26106-060302	BOLT M 6X 30 PLATED	2	2						
13	1	26106-080552	BOLT M 8X 55 PLATED	5	5						
14	1	129900-42450	PULLEY	1							
15	1	129900-42461	PULLEY		1						
16	1	129900-44700	FAN	1	1						
17	1	119005-44761	SPACER	1	1						
18	1	124465-44950	GASKET 16	1	1						
19	1	26014-080502	BOLT M 8X 50	4	4						
20	1	129951-49800	THERMOSTAT CASE ASSY	1	1						
21	2	121850-49550	GASKET, THERMOSTAT	1	1						
22	2	129900-49530	COVER	1	1						
23	2	129900-49540	GASKET, THERMOSTAT	1	1						
24	2	121850-49810	THERMOSTAT	1	1						
26	2	23871-030000	PLUG PT3/8,SCREW	1	1						
27	2	26106-060252	BOLT M 6X 25 PLATED	2	2						
28	1	129900-49830	GASKET, CASE	1	1						
29	1	26106-080702	BOLT M 8X 70 PLATED	3	3						
30	1	119620-49290	COCK ASSY 1/4	1	1						
33	1	121450-42450	PLUG M16	1	1						
34	1	124465-44950	GASKET 16	1	1						

Fig.11. FUEL INJECTION PUMP

11.FUEL INJECTION PUMP



Remarks
(1) GOVERNOR(FIG.NO.18) & FEED PUMP
(FIG.NO.19) IS INCORPORATED IN
THIS FUEL INJECTION PUMP
(REF.NO.1,2).

Y00R4580 11. FUEL INJECTION PUMP

(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

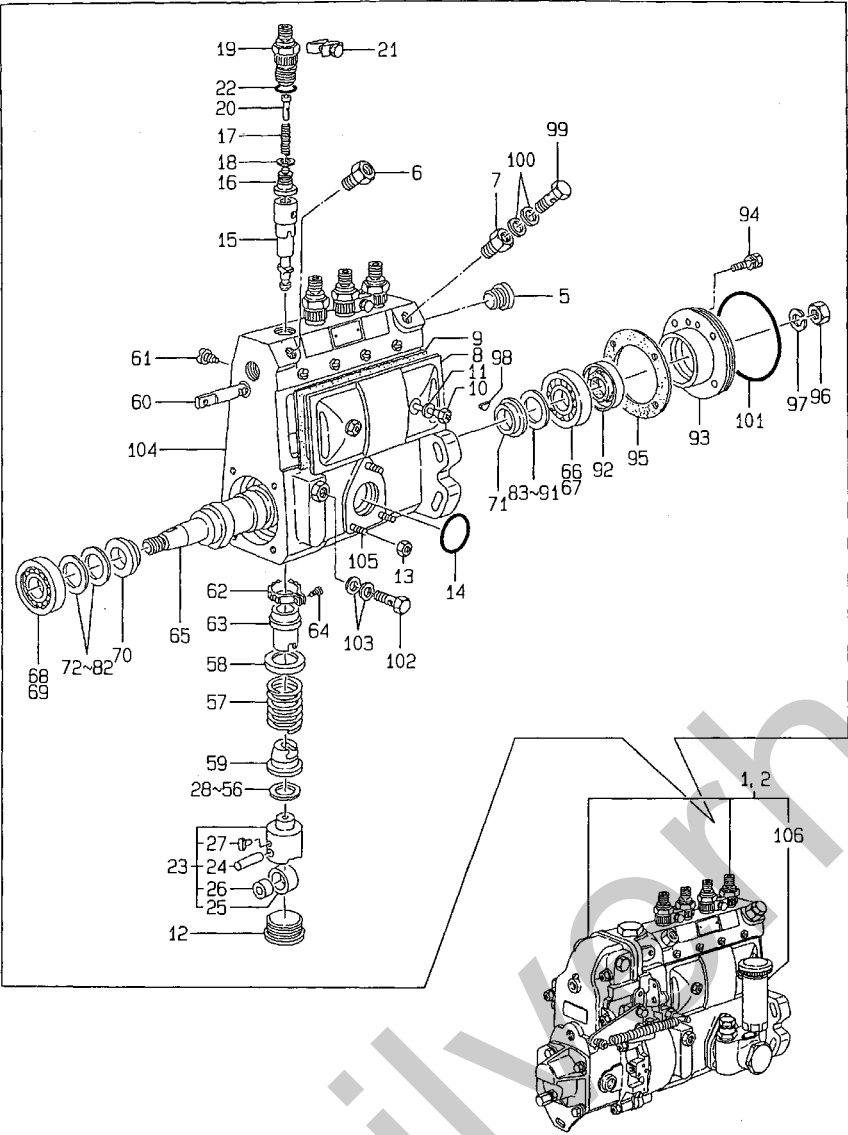
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129955-51010	FUEL INJECTION PUMP	1						1	
2	1	129955-51000	FUEL INJECTION PUMP		1					1	
5	2	X1340260000	PLUG	1	1						
6	2	X1310022000	CAP	1	1						
7	2	X1310022000	CAP	1	1						
8	2	X1310286220	COVER	1	1						
9	2	X1310111900	GASKET	1	1						
10	2	X1310171000	SCREW	2	2						
11	2	X0293406020	GASKET	2	2						
12	2	X1310341401	PLUG	4	4						
13	2	X1392060400	NUT	3	3						
14	2	X0296331010	O-RING	1	1						
15	2	X1311523420	PLUNGER	4	4						
16	2	X1311607920	DELIVERY VALVE	4	4						
17	2	X1311123500	SPRING	4	4						
18	2	X1311151600	GASKET	4	4						
19	2	X1311167600	HOLDER	4	4						
20	2	X1311172300	STOPPER	4	4						
21	2	X1311220520	PLATE	2	2						
22	2	X0296320030	O-RING	4	4						
23	2	X1312000220	TAPPET	4	4						
24	3	X1312030200	PIN	4	4						
25	3	X1312041000	ROLLER	4	4						
26	3	X1312050500	BUSH	4	4						
27	3	X1312060200	GUIDE	4	4						
28	2	X0293110020	SHIM	1	1						
29	2	X0293110030	SHIM	1	1						
30	2	X0293110040	SHIM	1	1						
31	2	X0293110050	SHIM	1	1						
32	2	X0293110060	SHIM	1	1						
33	2	X0293110070	SHIM	1	1						
34	2	X0293110080	SHIM	1	1						
35	2	X0293110090	SHIM	1	1						
36	2	X0293110110	SHIM	1	1						
37	2	X0293110120	SHIM	1	1						
38	2	X0293110130	SHIM	1	1						
39	2	X0293110140	SHIM	1	1						
40	2	X0293110270	SHIM	1	1						
41	2	X0293110280	SHIM	1	1						
42	2	X0293110290	SHIM	1	1						
43	2	X0293110310	SHIM	1	1						
44	2	X0293110320	SHIM	1	1						
45	2	X0293110330	SHIM	1	1						
46	2	X0293110340	SHIM	1	1						
47	2	X0293110350	SHIM	1	1						
48	2	X0293110490	SHIM	1	1						
49	2	X0293110500	SHIM	1	1						
50	2	X0293110580	SHIM	1	1						
51	2	X0293110590	SHIM	1	1						
52	2	X0293110600	SHIM	1	1						
53	2	X0293110610	SHIM	1	1						
54	2	X0293110620	SHIM	1	1						
55	2	X0293110630	SHIM	1	1						
56	2	X0293110710	SHIM	1	1						

++ CONTINUE ++

Fig.11. FUEL INJECTION PUMP

(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

11.FUEL INJECTION PUMP



Remarks
(1) GOVERNOR(FIG.NO.18) & FEED PUMP
(FIG.NO.19) IS INCORPORATED IN
THIS FUEL INJECTION PUMP
(REF.NO.1,2).

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
57	2	X1312152500	SPRING	4	4						
58	2	X1312160100	SEAT, SPRING	4	4						
59	2	X1312170200	SEAT, SPRING	4	4						
60	2	X1312540600	RACK, CONTROL	1	1						
61	2	X1312260300	SCREW	1	1						
62	2	X1312400100	PINION	4	4						
63	2	X1312410100	SLEEVE, CONTROL	4	4						
64	2	X1312420100	SCREW	4	4						
65	2	X1313612700	CAMSHAFT	1	1						
66	2	X0166402030	BEARING	1	1						
67	2	X0282020020	BEARING	1	1						
68	2	X0166302030	BEARING	1	1						
69	2	X0282017020	BEARING	1	1						
70	2	X1313020300	RING	1	1						
71	2	X1313021000	RING	1	1						
72	2	X0293117010	SHIM	1	1						
73	2	X0293117020	SHIM	1	1						
74	2	X0293117030	SHIM	1	1						
75	2	X0293117040	SHIM	1	1						
76	2	X0293117050	SHIM	1	1						
77	2	X0293117060	SHIM	1	1						
78	2	X0293117070	SHIM	1	1						
79	2	X0293117090	SHIM	1	1						
80	2	X0293117210	SHIM	1	1						
81	2	X0293117220	SHIM	1	1						
82	2	X1394170000	SHIM	1	1						
83	2	X0293120220	SHIM	1	1						
84	2	X0293120230	SHIM	1	1						
85	2	X0293120240	SHIM	1	1						
86	2	X0293120250	SHIM	1	1						
87	2	X0293120260	SHIM	1	1						
88	2	X0293120270	SHIM	1	1						
89	2	X0293120290	SHIM	1	1						
90	2	X0293120300	SHIM	1	1						
91	2	X1394200400	SHIM	1	1						
92	2	X0296220190	SEAL, OIL	1	1						
93	2	X1313301800	COVER	1	1						
94	2	X0200062040	BOLT	4	4						
95	2	X1313211900	GASKET	1	1						
96	2	X0131214140	NUT	1	1						
97	2	X0293214010	SPRING WASHER	1	1						
98	2	X0294704030	WOODRUFF KEY	1	1						
99	2	X0297314680	EYE BOLT	1	1						
100	2	X0265141840	GASKET	2	2						
101	2	X0296375020	O-RING	1	1						
102	2	X0297310120	EYE BOLT	1	1						
103	2	X0265101340	GASKET	2	2						
104	2	X1310641621	FLANGED HOUSING	1	1						
105	2	X0290406020	STUD	3	3						
106	2	129900-52010	PUMP ASSY, FUEL FEED	1	1						

This diagram illustrates the assembly of a 1-cylinder engine. The main components are shown in an exploded view, with callouts indicating specific parts and their assembly points. The parts are numbered as follows:

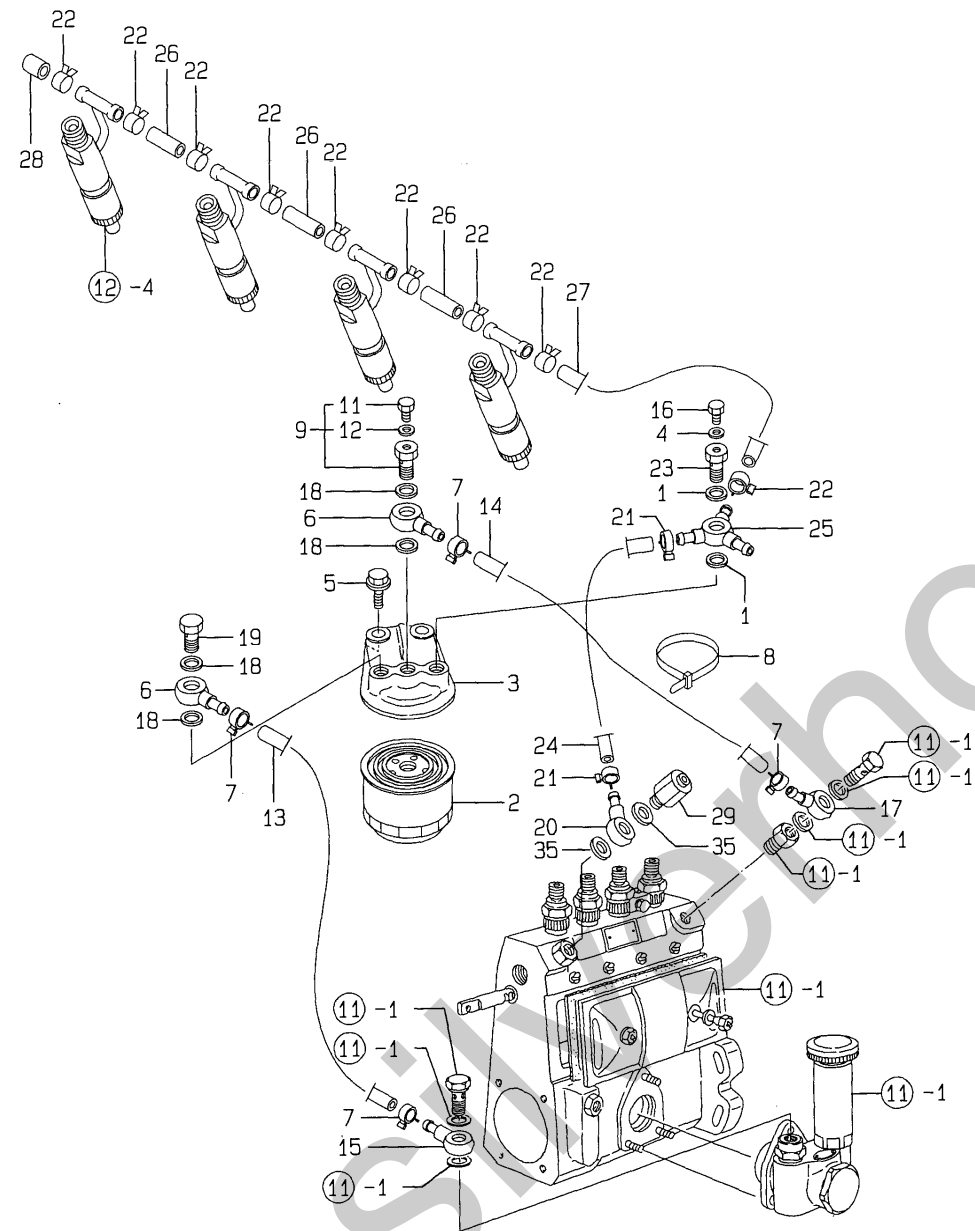
- 1-1**: Main engine block/cylinder head assembly.
- 2**: Bolt for the timing chain cover.
- 3**: Timing chain cover.
- 4**: Piston pin.
- 4-5**: Piston and connecting rod assembly.
- 5**: Piston pin.
- 8**: Piston ring.
- 9**: Piston pin.
- 11-1**: Piston pin.
- 12**: Piston pin.
- 13**: Piston pin.
- 14**: Piston pin.
- 15**: Piston pin.
- 16**: Piston pin.
- 23**: Piston pin.
- 26**: Piston pin.
- 27**: Piston pin.
- 30**: Piston pin.
- 32**: Piston pin.
- 36**: Piston pin.
- 40**: Piston pin.
- 44**: Piston pin.

The diagram also includes a detailed view of the piston and connecting rod assembly, showing the piston pin, piston, and connecting rod. The piston is shown with its rings and the connecting rod is shown with its pin and bearing. The piston pin is shown with its cap and the connecting rod pin is shown with its cap. The piston and connecting rod are shown in an exploded view, with callouts indicating their assembly points.

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-01950	BRACKET	1	1						
2	1	26106-100142	BOLT M10X 14 PLATED	1	1						
3	1	26106-080202	BOLT M 8X 20 PLATED	1	1						
4A	1	729902-53200	VALVE, FUEL	4							
4B	1	729982-53100	VALVE ASSY, F.INJECT		4						
5A	2	129902-53050	NOZZLE	4							
5B	2	129982-53000	NOZZLE		4						
8	2	114250-53080	NUT, NOZZLE CASE	4	4						
9	2	129100-53100	HOLDER ASSY, NOZZLE	4	4						
12	2	114250-53120	SPRING, NOZZLE	4	4						
13	2	114250-53130	SEAT, NOZZLE SPRING	4	4						
14	2	114250-53140	PLATE, STOP	4	4						
15	2	114250-53210	PIN	8	8						
16	2	114250-53400	SHIM PACK	4	4						
23	1	119305-59120	RETAINER	2	2						
26	2	129150-59131	BOLT M4X14,HEX.SCKT.	2	2						
27	1	129550-59120	RETAINER	1	1						
30	2	129150-59131	BOLT M4X14,HEX.SCKT.	2	2						
32	1	129902-59810	PIPE NO.1, F.INJECT.	1	1						
36	1	129902-59820	PIPE NO.2, F.INJECT.	1	1						
40	1	129902-59830	PIPE NO.3, F.INJECT.	1	1						
44	1	129902-59840	PIPE NO.4, F.INJECT.	1	1						

Fig.13. FUEL LINE

13, FUEL LINE

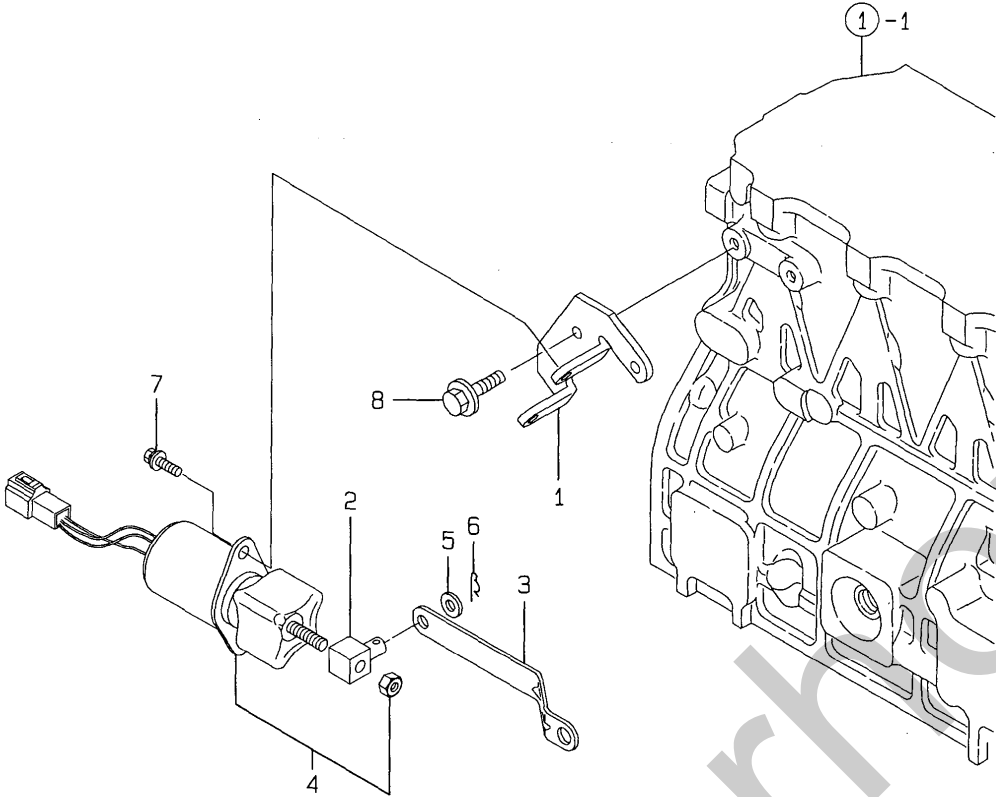


(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	22190-140002	SEAL WASHER 14S	2	2						
2	1	119000-55600	FILTER, FUEL	1	1						
3	1	129470-55610	BODY, FUEL FILTER	1	1						
4	1	23414-080000	GASKET 8, ROUND	1	1						
5	1	26106-100252	BOLT M10X 25 PLATED	2	2						
6	1	101304-59020	JOINT 12, PIPE	2	2						
7	1	124766-59050	CLAMP 12	4	4						
8	1	121855-59111	CLAMP, PIPE	2	2						
9	1	103854-59191	BOLT W/PLUG & SEAL	1	1						
11	2	124060-59380	PLUG	1	1						
12	2	22190-060002	SEAL WASHER 6S	1	1						
13	1	129900-59510	PIPE, FUEL	1	1						
14	1	129900-59510	PIPE, FUEL	1	1						
15	1	119006-59910	PIPE, JOINT	1	1						
16	1	26106-080102	BOLT M 8X 10 PLATED	1	1						
17	1	121855-59880	JOINT	1	1						
18	1	22190-120002	SEAL WASHER 12	4	4						
19	1	23857-060000	JOINT BOLT 6	1	1						
20	1	121855-59880	JOINT	1	1						
21	1	124766-59050	CLAMP 12	2	2						
22	1	124066-59100	CLAMP 8	9	9						
23	1	129495-59300	BOLT, PIPE JOINT	1	1						
24	1	105025-59580	PIPE, FUEL OIL	1	1						
25	1	129470-59530	JOINT, FUEL RETN. PIPE	1	1						
26	1	121250-59550	PIPE, FUEL	3	3						
27	1	124950-59560	PIPE, FUEL RETURN	1	1						
28	1	129150-59580	CAP	1	1						
29	1	128300-59910	VALVE ASSY, OVER-FLOW	1	1						
35	1	22190-140002	SEAL WASHER 14S	2	2						

Fig.14. ENGINE STOP DEVICE

14, ENGINE STOP DEVICE



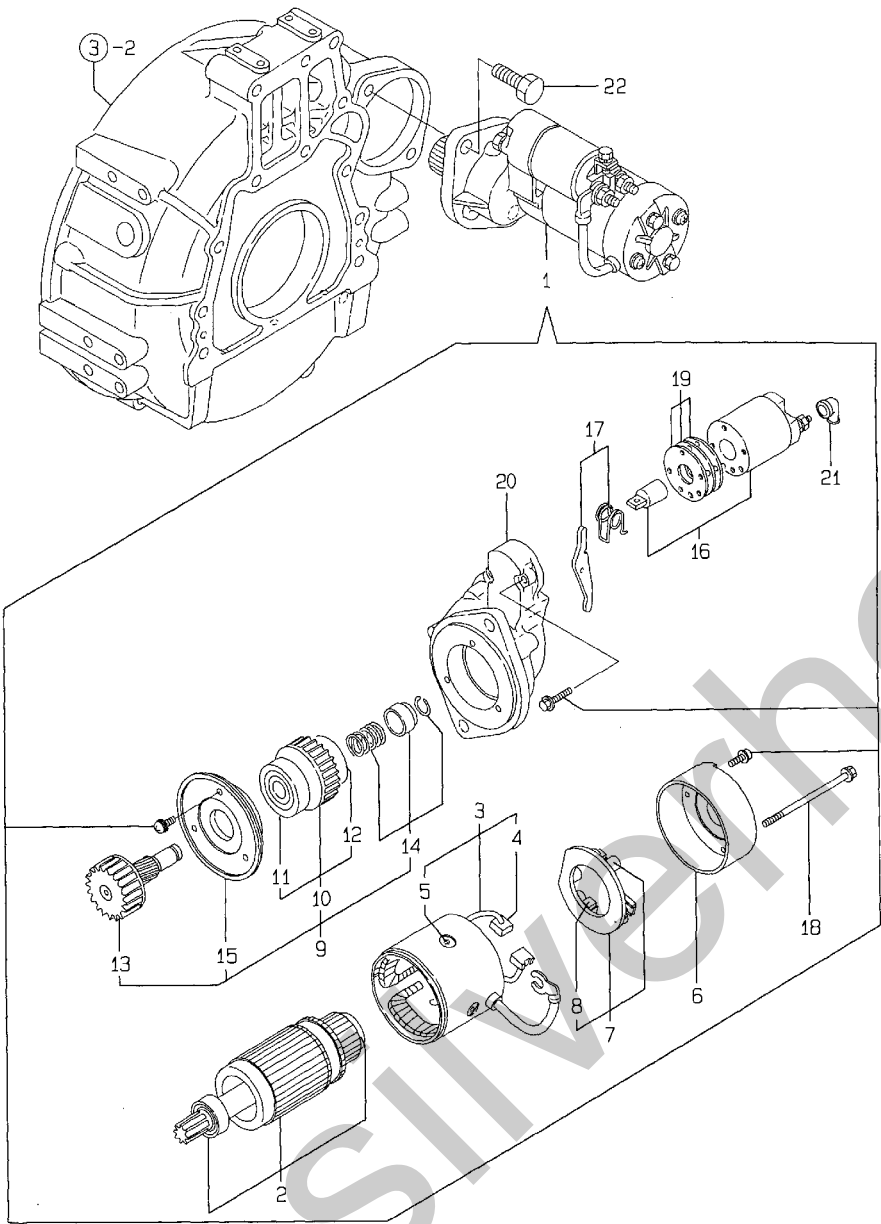
Y00R4580 14. ENGINE STOP DEVICE

(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129915-66810	BRACKET,SOLENOID	1	1						
2	1	119620-66820	JOINT	1	1						
3	1	129915-66820	LINK,SOLENOID	1	1						
4	1	119807-77800	SOLENOID,STOP	1	1						
5	1	22117-060000	WASHER 6	2	2						
6	1	22360-060000	SNAP PIN 6	2	2						
7	1	26106-060102	BOLT M 6X 10 PLATED	2	2						
8	1	26106-080162	BOLT M 8X 16 PLATED	2	2						

Fig.15. STARTING MOTOR

15.STARTING MOTOR



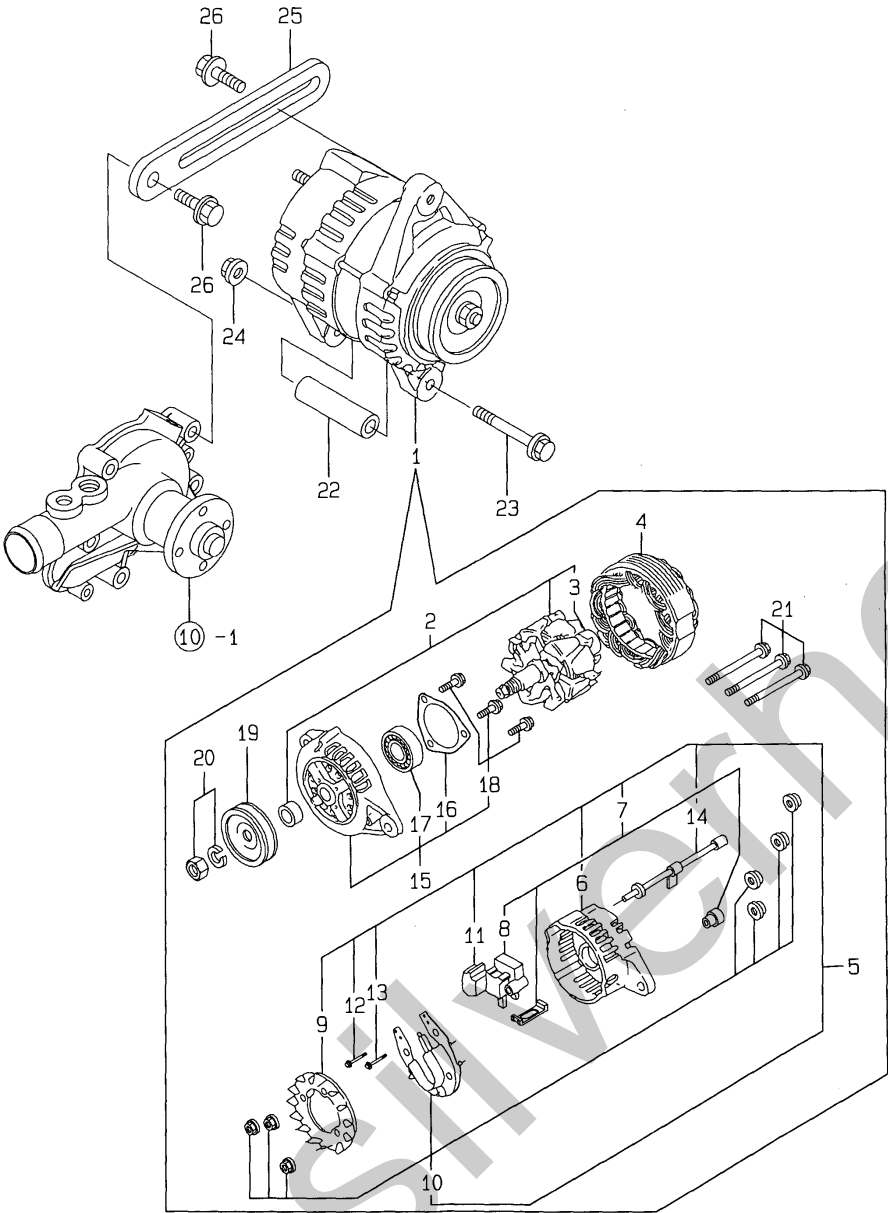
Y00R4580 15. STARTING MOTOR

(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-77010	STARTER(2.3KW	1	1						
2	2	129900-77400	ARMATURE ASSY	1	1						
3	2	129900-77440	COIL ASSY, FIELD	1	1						
4	3	129900-77450	BRUSH (+)	2	2						
5	3	171008-77450	SCREW, POLE CORE SET	4	4						
6	2	129900-77460	COVER, REAR	1	1						
7	2	129900-77480	HOLDER ASSY, BRASH	1	1						
8	3	129900-77500	BRASH (-)	2	2						
9	2	129900-77510	PINION ASSY	1	1						
10	3	129900-77520	CLUTCH ASSY	1	1						
11	4	171008-77730	BALL BEARING (3)	1	1						
12	4	171008-77740	BALL BEARING (4)	1	1						
13	3	129900-77540	SHAFT, PINION	1	1						
14	3	129900-77550	STOPPER SET	1	1						
15	3	129900-77610	RETAINER, BEARING	1	1						
16	2	129900-77590	SWITCH ASSY,MAGNETIC	1	1						
17	2	129900-77620	SHIFT LEVER SET	1	1						
18	2	129900-77640	BOLT, THROUGH	2	2						
19	2	129900-77650	COVER ASSY, DUST	1	1						
20	2	129900-77710	HOUSING, GEARS	1	1						
21	2	171008-77750	COVER, M TERMINAL	1	1						
22	1	26116-120302	BOLT M12X 30 PLATED	2	2						

Fig.16. GENERATOR

16, GENERATOR

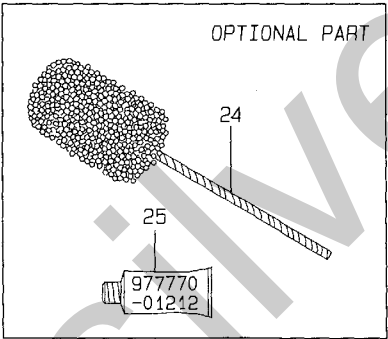
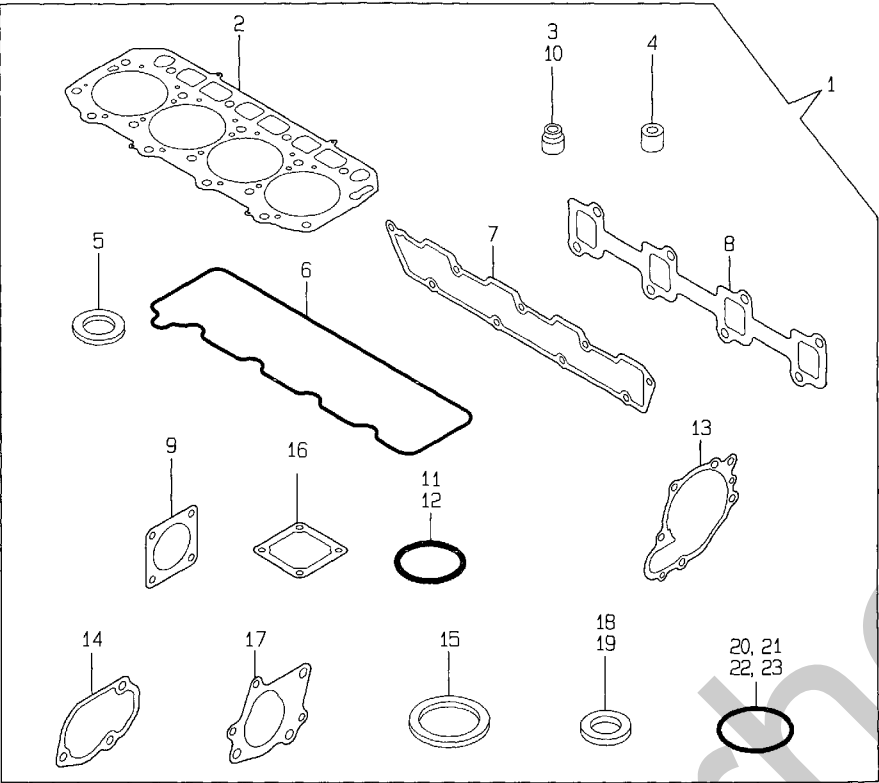


(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119836-77200	GENERATOR	1	1						
2	2	119836-77700	ROTOR ASSY	1	1						
3	3	119836-77850	BALL BEARING	1	1						
4	2	119836-77710	STARTER ASSY	1	1						
5	2	119836-77721	COVER ASSY, REAR	1	1						
6	3	119836-77730	COVER, REAR	1	1						
7	3	119836-77741	BRUSH ASSY,REGULATOR	1	1						
8	4	119836-77750	BRUSH ASSY	1	1						
9	3	119836-77760	GUIDE, FAN SIDE	1	1						
10	3	119836-77770	DIODE ASSY	1	1						
11	3	119836-77780	CONDENSER	1	1						
12	3	119836-77871	BOLT (1)	1	1						
13	3	119836-77880	BOLT (2)	1	1						
14	3	119836-77890	WIRE ASSY, LEAD	1	1						
15	2	119836-77790	COVER ASSY, FRONT	1	1						
16	3	119836-77800	RETAINER, BEARING	1	1						
17	3	119836-77840	BALL BEARING	1	1						
18	3	119836-77860	SCREW KID	1	1						
19	2	119836-77810	PULLEY	1	1						
20	2	119836-77820	NUT ASSY, PULLEY	1	1						
21	2	119836-77830	BOLT, THROUGH	1	1						
22	1	129150-77340	SPACER	1	1						
23	1	26106-081052	BOLT M 8X105 PLATED	1	1						
24	1	26366-080002	NUT M 8	1	1						
25	1	129900-77330	AJUSTER, BELT	1	1						
26	1	26014-080252	BOLT M 8X 25	2	2						

Fig.17. GASKET SET

17, GASKET SET



Remarks
(1) OPTIONAL PART.

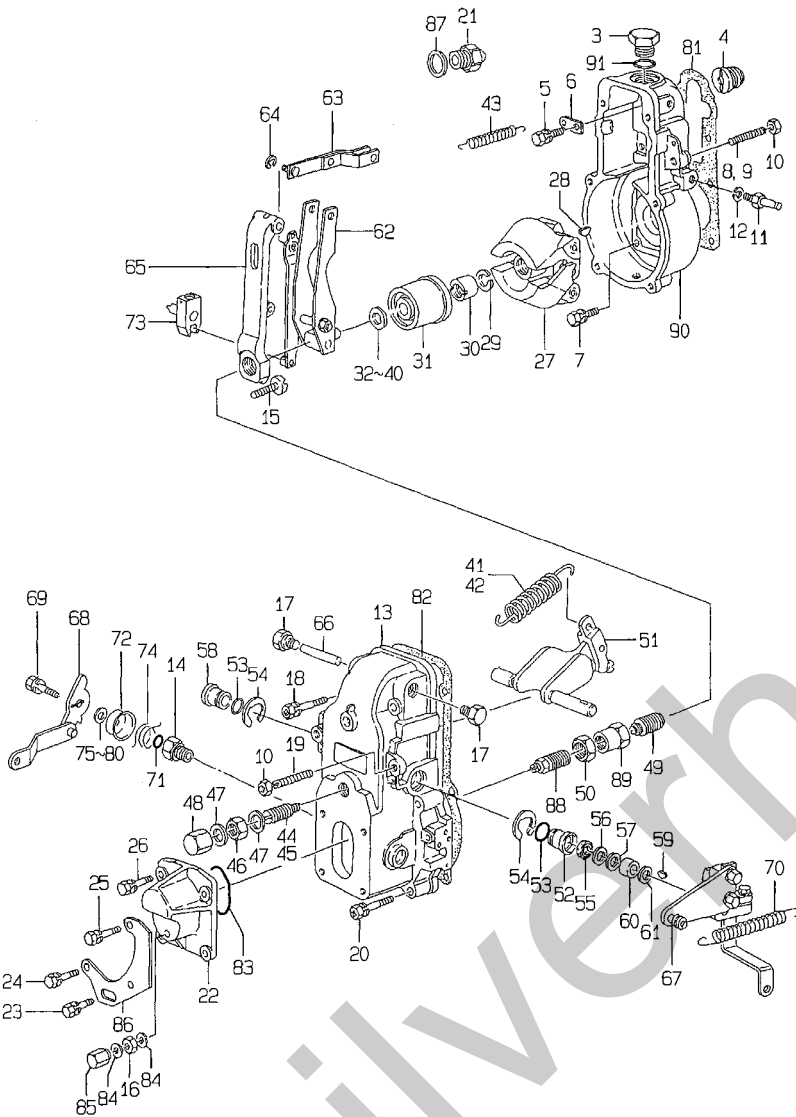
Y00R4580 17. GASKET SET

(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729902-92610	GASKET SET(NON-ASB.)	1	1						1
2	2	129902-01330	GASKET,CYL.HEAD	1	1						
3	2	124460-11340	SEAL, VALVE STEM	4	4						
4	2	119625-11870	PROTECTOR, NOZZLE	4	4						
5	2	119625-11880	SEAT, NOZZLE	4	4						
6	2	129900-11310	GASKET, BONNET	1	1						
7	2	129900-12050	GASKET, SUC.MANIFOLD	1	1						
8	2	129900-13251	GASKET	1	1						
9	2	129400-13201	GASKET, (NON-ASB.)	1	1						
10	2	121400-11340	SEAL, VALVE STEM	4	4						
11	2	129900-32030	O-RING P20	2	2						
12	2	129900-32040	O-RING P14	1	1						
13	2	129900-42020	GASKET, CW-P	1	1						
14	2	129900-49830	GASKET, CASE	1	1						
15	2	121850-49550	GASKET, THERMOSTAT	1	1						
16	2	121850-77021	GASKET, (NON-ASB.)	1	1						
17	2	129900-49540	GASKET, THERMOSTAT	1	1						
18	2	23414-080000	GASKET 8, ROUND	7	7						
19	2	124465-44950	GASKET 16	2	2						
20	2	24311-000070	O-RING 1A P-7.0	1	1						
21	2	24311-000120	O-RING 1A P 12.0	3	3						
22	2	24341-000240	O-RING 1A S-24.0	1	1						
23	2	24311-000320	O-RING 1A P-32.0	3	3						
24	1	129400-92420	FLEX HORN	1	1						1
25	1	977770-01212	GASKET, LIQUID	1	1						1

Fig.18. GOVERNOR

18. GOVERNOR



Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.11).

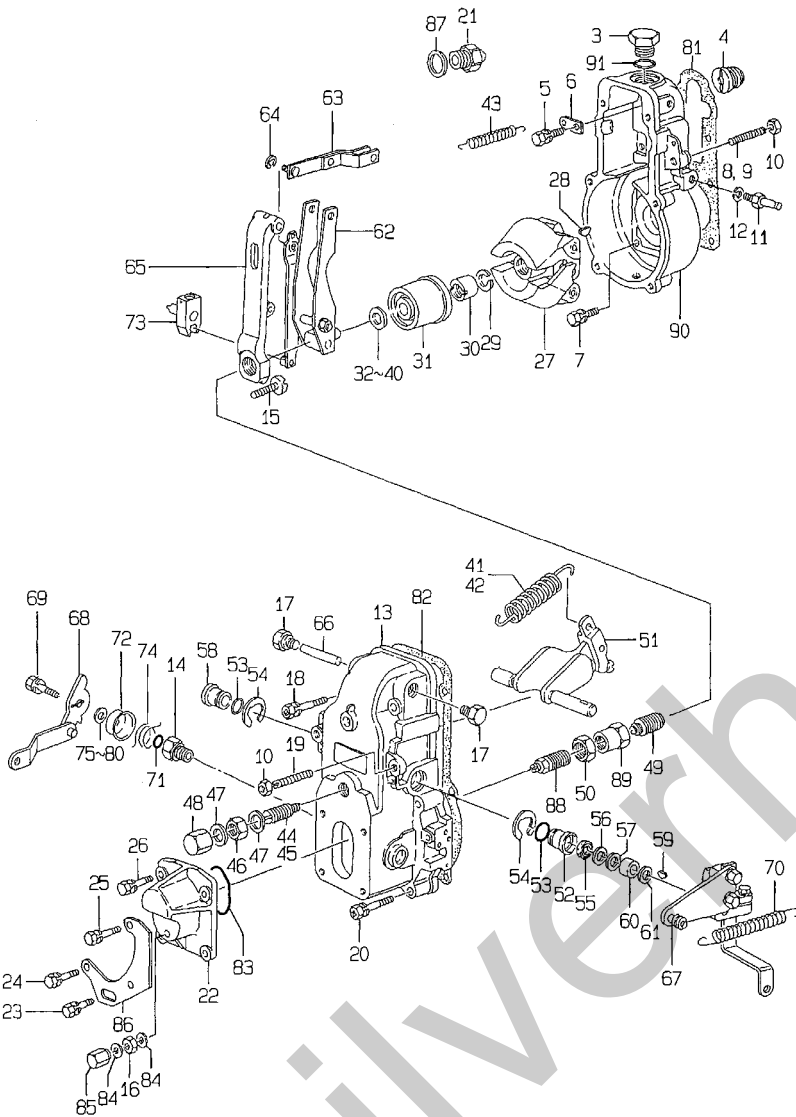
(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	2	X1540072900	PLUG	1	1						
4	2	X1540070200	ADAPTOR	1	1						
5	2	X0200181840	BOLT	1	1						
6	2	X1543501900	PLATE	1	1						
7	2	X0290106810	BOLT	6	6						
8	2	X1540100100	SCREW	1							
9	2	X1540101100	SCREW		1						
10	2	X1540110100	NUT	2	2						
11	2	X1540132320	BOLT	1	1						
12	2	X0141108440	SPRING WASHER	1	1						
13	2	X1545001020	COVER	1	1						
14	2	X1543210400	BUSH	1	1						
15	2	X1540313000	SCREW	1	1						
16	2	X1392060600	NUT	1	1						
17	2	X1540360300	PLUG	2	2						
18	2	X0201065040	BOLT	2	2						
19	2	X1540100200	SCREW	1	1						
20	2	X0201063840	BOLT	4	4						
21	2	X1530205220	LIMITER	1	1						
22	2	X1540635100	COVER	1	1						
23	2	X0290206260	BOLT	1	1						
24	2	X0290206260	BOLT	1	1						
25	2	X0200062040	BOLT	1	1						
26	2	X0200061640	BOLT	1	1						
27	2	X1541010020	FLYWIGHT ASSY.	1	1						
28	2	X0258031610	WOODRUFF KEY	1	1						
29	2	X0293212020	SPRING WASHER	1	1						
30	2	X0292312030	NUT	1	1						
31	2	X1541230120	SLEEVE	1	1						
32	2	X0293110010	SHIM	1	1						
33	2	X0293110180	SHIM	1	1						
34	2	X0293110190	SHIM	1	1						
35	2	X0293110210	SHIM	1	1						
36	2	X1394100000	SHIM	1	1						
37	2	X1394100100	SHIM	1	1						
38	2	X1394103000	SHIM	1	1						
39	2	X1394103100	SHIM	1	1						
40	2	X1394103200	SHIM	1	1						
41	2	X1541502900	SPRING	1							
42	2	X1541500100	SPRING		1						
43	2	X1541540701	SPRING	1	1						
44	2	X1541580920	CAPSULE, SPRING	1							
45	2	X1541581820	CAPSULE, SPRING		1						
46	2	X1540111700	NUT	1	1						
47	2	X0265121540	GASKET	2	2						
48	2	X1541591200	NUT, CAP	1	1						
49	2	X1541856120	SPRING	1							
50	2	X0292016080	NUT	1							
51	2	X1542006920	LEVER	1	1						
52	2	X1542043000	BUSH	1	1						
53	2	X0296318020	O-RING	2	2						
54	2	X0160101640	RING, SNAP	2	2						
55	2	X1396110000	SEAL, OIL	1	1						
56	2	X1394110000	SHIM	1	1						

++ CONTINUE ++

Fig.18. GOVERNOR

18. GOVERNOR



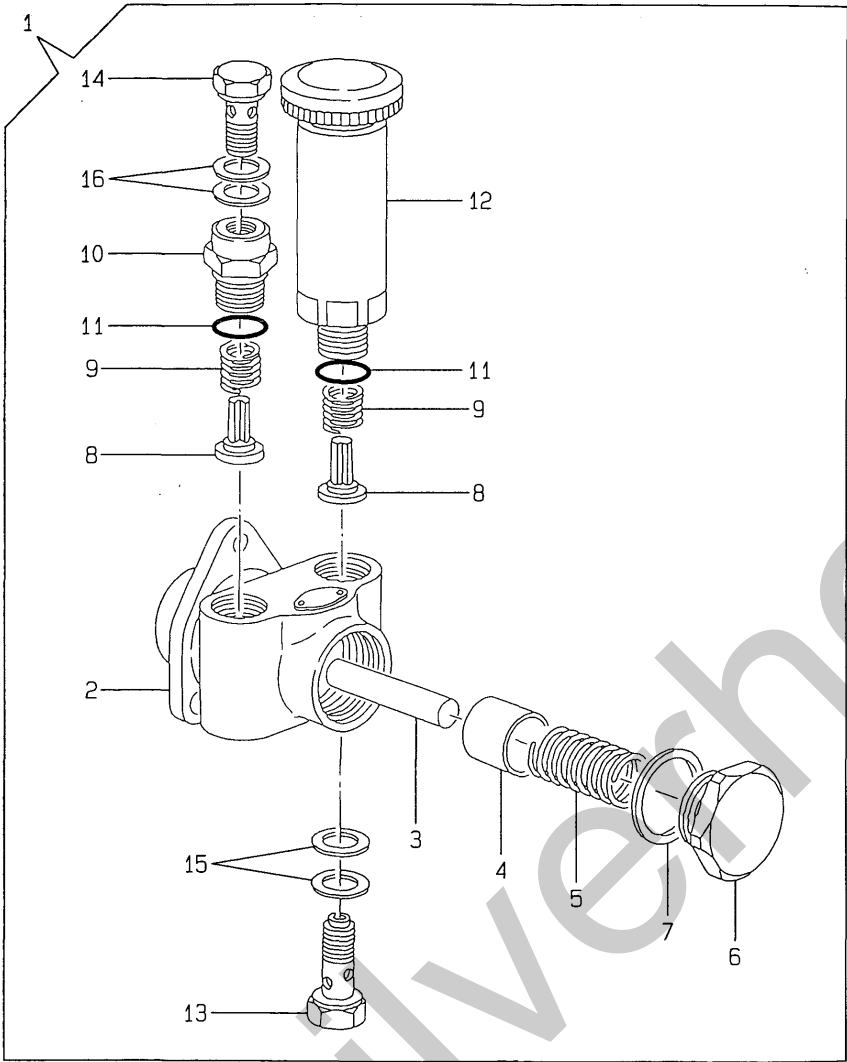
Remarks
* THIS FIGURE(GOVERNOR ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.11).

(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
57	2	X0293111070	SHIM	1	1						
58	2	X1542043100	BUSH	1	1						
59	2	X0258031310	WOODRUFF KEY	1	1						
60	2	X1542062800	COLLAR	1	1						
61	2	X1542060200	WASHER	1	1						
62	2	X1542163820	LEVER ASSY, GUIDE	1	1						
63	2	X1542303920	LINK	1	1						
64	2	X0160100540	RING, SNAP	1	1						
65	2	X1542364100	LEVER, TENSION	1	1						
66	2	X1542370100	PIN	1	1						
67	2	X1543956420	LEVER	1	1						
68	2	X1543829320	LEVER	1	1						
69	2	X0200061640	BOLT	1	1						
70	2	X1543142600	SPRING	1	1						
71	2	X0296310030	O-RING	1	1						
72	2	X1543220100	CAP	1	1						
73	2	X1543265020	LEVER ASSY	1	1						
74	2	X1543277400	SPRING	1	1						
75	2	X0293110520	SHIM	1	1						
76	2	X0293110530	SHIM	1	1						
77	2	X0293110540	SHIM	1	1						
78	2	X0293110550	SHIM	1	1						
79	2	X0293110560	SHIM	1	1						
80	2	X0293110570	SHIM	1	1						
81	2	X1543507700	GASKET	1	1						
82	2	X1543507800	GASKET	1	1						
83	2	X0296352020	O-RING	1	1						
84	2	X0265061040	GASKET	2	2						
85	2	X1540351600	CAP NUT	1	1						
86	2	X1543587200	BRACKET	1	1						
87	2	X0265182240	GASKET	1	1						
88	2	X1541883320	SPRING	1							
89	2	X0292016010	NUT	1							
90	2	X1540006400	FLANGED HOUSING	1	1						
91	2	X0296325070	O-RING	1	1						

Fig.19. FEED PUMP

19.FEED PUMP



Remarks
* THIS FIGURE(FEED PUMP ASSY)IS
INCORPORATED IN THE FUEL INJECTION
PUMP ASSY(FIG.11).

(A)=4TNE98-SA (D)=
(B)=4TNE98-G1A (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	129900-52010	PUMP ASSY,FUEL FEED	1	1						
2	3	X1520620020	HOUSING	1	1						
3	3	X1520300200	ROD, PUSH	1	1						
4	3	X1521002301	PISTON	1	1						
5	3	X1521020400	SPRING	1	1						
6	3	X1521051500	PLUG	1	1						
7	3	X1395260000	GASKET	1	1						
8	3	X1521150500	VALVE	2	2						
9	3	X1521160200	SPRING	2	2						
10	3	X1521180900	ADAPTER	1	1						
11	3	X0296316060	O-RING	2	2						
12	3	X1522006720	PRIMING PUMP	1	1						
13	3	X1523005920	BOLT	1	1						
14	3	X0297314680	EYE BOLT	1	1						
15	3	X0265141840	GASKET	2	2						
16	3	X0265141840	GASKET	2	2						