

PREFACE

1. This Parts Catalog is the 1st edition of 3TNV76-FDG Diesel Engine for Denyo Co., Ltd.

Pub. No. : 000Y00D8520

Published : May.,2005

2. Model name

Engine model	Vehicle		Vehicle made by
	Products	Model name	
3TNV76-FDG	GENERATOR	TLG-15ESX TLG-18ESY	Denyo Co., Ltd.

CONTENTS

MODEL : 3TNV76-FDG (DENYO)

PC NO : Y00D8520

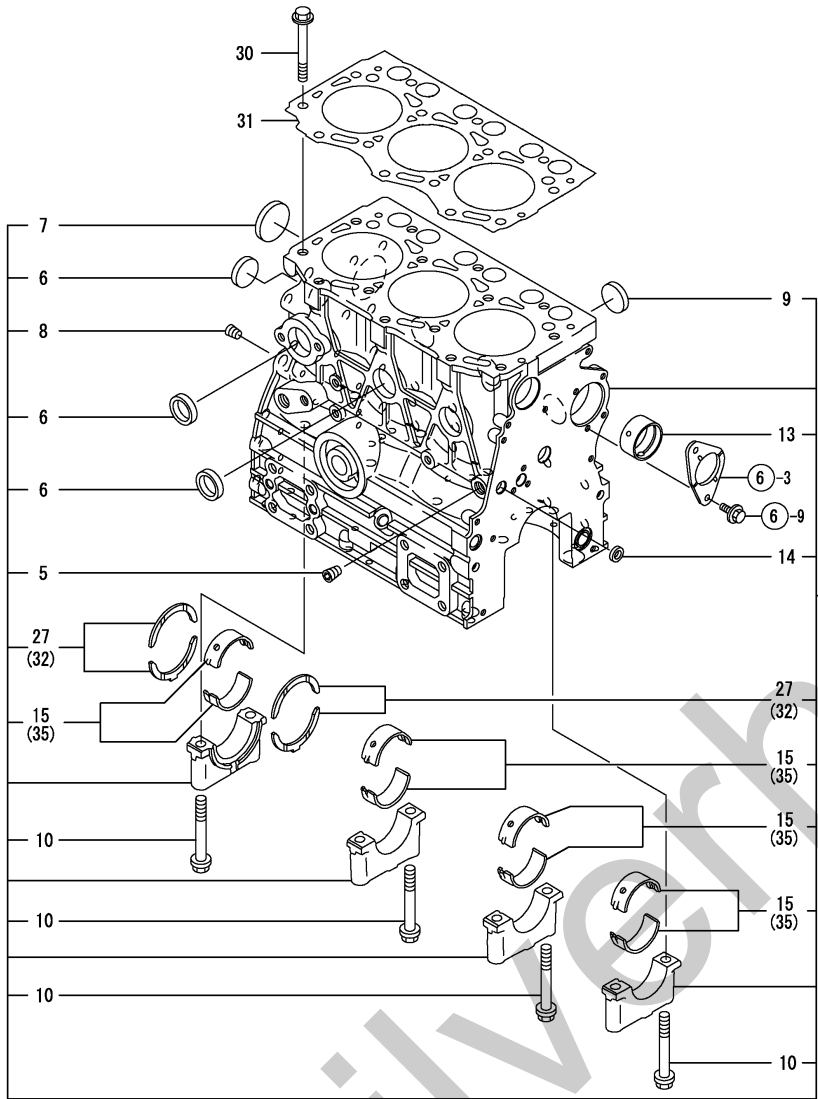
Fig.No. GROUP NAME

ENGINE (3TNV76-FDG)

1. CYLINDER BLOCK
2. GEAR HOUSING
3. FLYWHEEL HOUSING & OIL SUMP
4. CYLINDER HEAD & BONNET
5. EXHAUST MANIFOLD
6. CAMSHAFT & DRIVING GEAR
7. CRANKSHAFT & PISTON
8. LUB.OIL SYSTEM
9. COOLING WATER SYSTEM
10. FUEL INJECTION PUMP
11. GOVERNOR
12. FUEL INJECTION VALVE
13. STARTING MOTOR
14. GENERATOR
15. ELECTRIC PART
16. GASKET SET

Fig.No. GROUP NAME

Fig.1. CYLINDER BLOCK



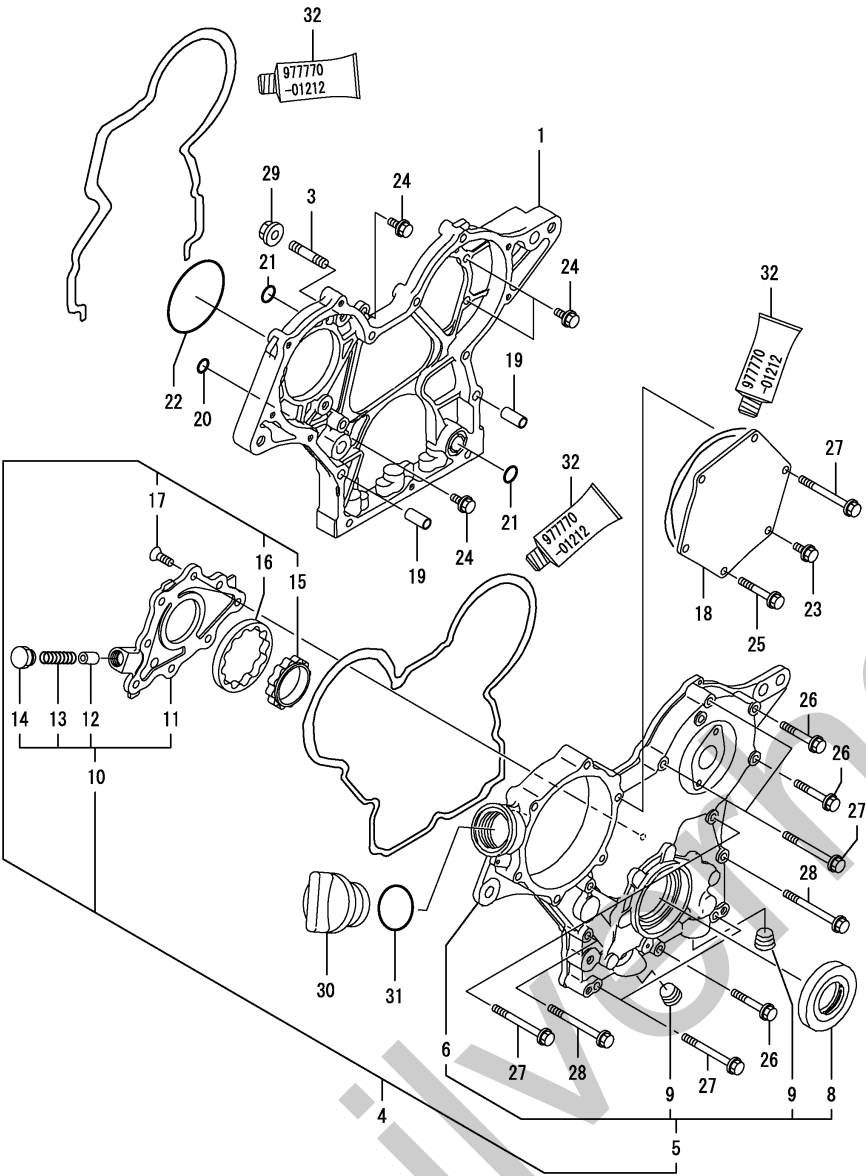
Remarks
(1) OVER-SIZE(O.S=0.25)PART.
(2) REPAIR PART.
(3) UNDER-SIZE(U.S=0.25)PART

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719717-01561	BLOCK ASSY, CYLINDER	1							
5	2	124060-01050	PLUG PT1/8	1							
6	2	105311-01090	PLUG 30 (SUS)	4							
7	2	119623-01250	PLUG 45	1							
8	2	124160-01910	PLUG PT1/4	1							
9	2	119285-01990	PLUG 25	3							
10	2	119620-02020	BOLT	8							
13	2	119717-02410	BUSH, CAMSHAFT	1							
14	2	27241-120000	PLUG 12	1							
15	2	719717-02900	MAIN BEARING SET	4							2
27	2	119810-02930	BEARING, THRUST(2PAIR	1							
30	1	119810-01200	BOLT, CYL. HEAD	14							
31	1	119717-01330	GASKET, CYL.HEAD	1							
32	1	119810-02940	BEARING, THRUST .25OS	2							1
35	1	719717-02910	MAIN METAL US=0.25	4							3

Fig.2. GEAR HOUSING

(A)=3TNV76-FDG (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119717-01501	CASE, GEAR	1							
3	1	119717-01570	BOLT, STUD M8	3							
4	1	119717-01590	COVER ASSY,GEAR CASE	1							
5	2	719717-01500	COVER ASSY,GEAR CASE	1							
6	3	119717-01521	COVER, GEAR CASE	1							
8	3	119620-01800	SEAL, OIL	1							
9	3	23876-030000	PLUG PT3/8,SCREW	2							
10	2	119717-32100	COVER ASSY, PUMP	1							
11	3	119717-32080	COVER, LUB.OIL PUMP	1							
12	3	129900-32130	VALVE, RELIEF	1							
13	3	129001-32320	SPRING	1							
14	3	129001-32330	PLUG	1							
15	2	119717-32110	ROTOR, INNER	1							
16	2	119717-32120	ROTOR, OUTER	1							
17	2	119802-32130	SCREW, M6X16	8							
18	1	119717-01750	COVER, PUMP TIMING	1							
19	1	119660-01911	PIPE, KNOCK	4							
20	1	119624-32040	O-RING P 12.0	1							
21	1	119717-32050	O-RING, P17.0	3							
22	1	121850-51960	O-RING, F.I.PUMP	1							
23	1	26106-060122	BOLT M 6X 12 PLATED	1							
24	1	26106-060162	BOLT M 6X 16 PLATED	4							
25	1	26106-060402	BOLT M 6X 40 PLATED	4							
26	1	26106-060402	BOLT M 6X 40 PLATED	3							
27	1	26106-060602	BOLT M 6X 60 PLATED	7							
28	1	26106-060652	BOLT M 6X 65 PLATED	2							
29	1	26306-080002	NUT	3							
30	1	124160-01751	COVER,FILLER	1							
31	1	24311-000320	O-RING 1A P-32.0	1							
32	1	977770-01212	GASKET, LIQUID	1							1



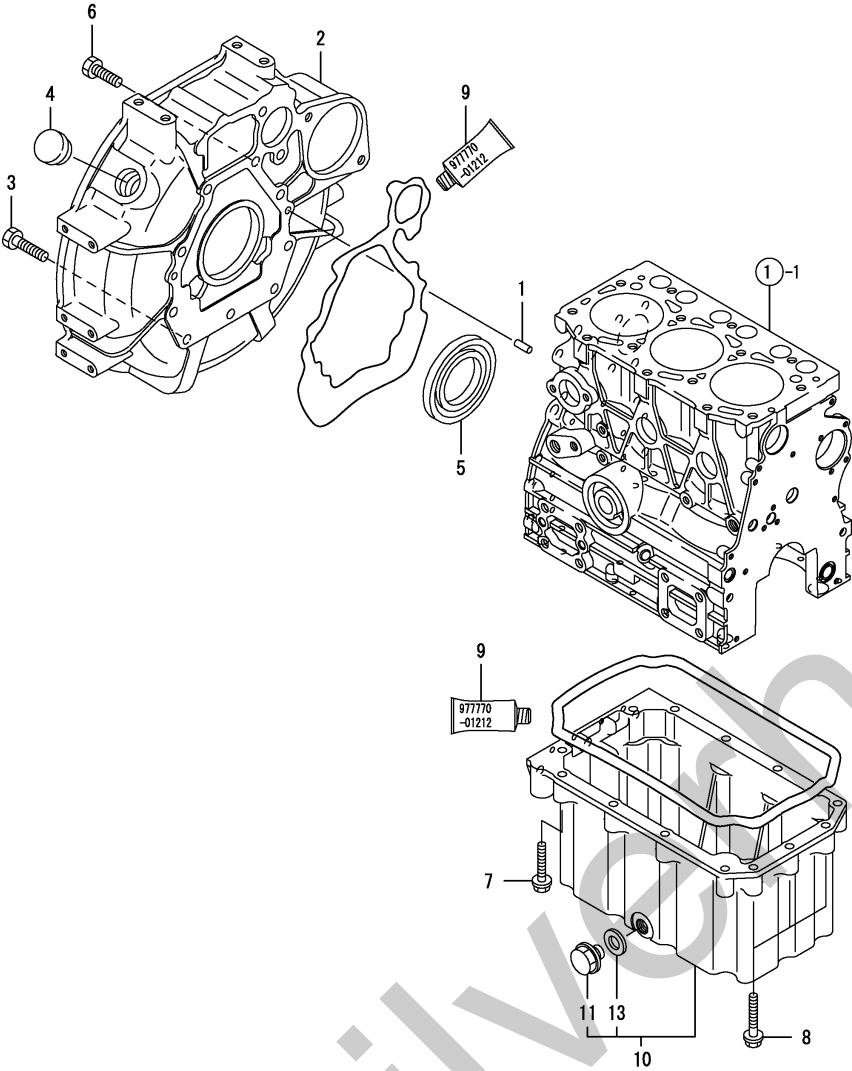
Remarks
(1) OPTIONAL PART.

Fig.3. FLYWHEEL HOUSING & OIL SUMP

3. FLYWHEEL HOUSING & OIL SUMP

(A)=3TNV76-FDG (D)=
(B)= (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	1	119717-01601	HOUSING, FLYWHEEL	1							
3	1	121120-01620	BOLT M 10X 28	3							
4	1	119620-01750	CAP, FLYWHEEL COVER	1							
5	1	124085-02220	SEAL, OIL	1							
6	1	26206-100252	BOLT M10X25	8							
7	1	26106-080452	BOLT M 8X 45 PLATED	10							
8	1	26106-080502	BOLT M 8X 50 PLATED	3							
9	1	977770-01212	GASKET, LIQUID	1							1
10	1	119744-01770	SUMP ASSY, LUB.OIL	1							
11	2	105425-01690	PLUG M16	1							
13	2	22190-160002	SEAL WASHER 16S	1							



Remarks
(1) OPTIONAL PART.

Fig.4. CYLINDER HEAD & BONNET

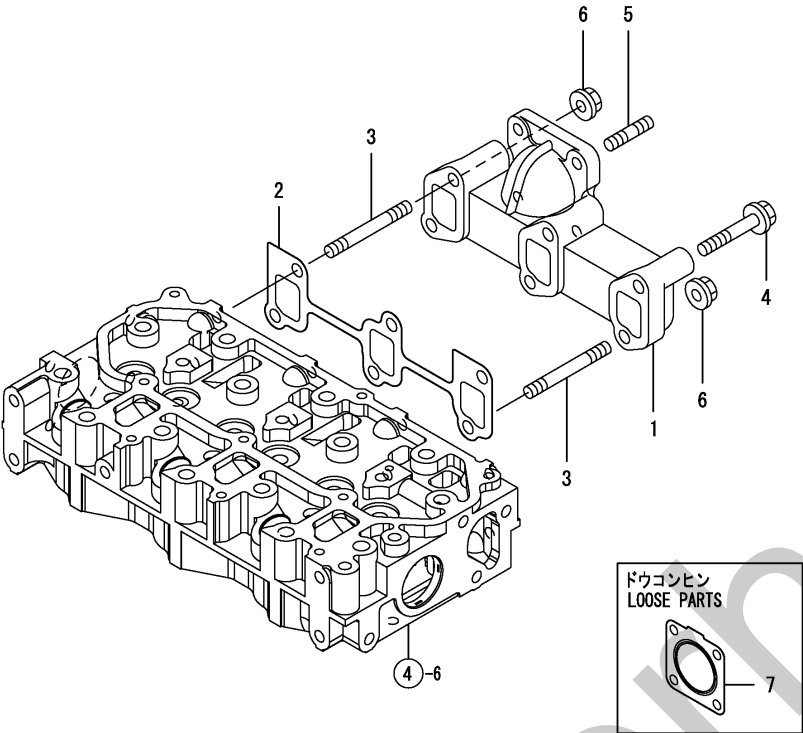
4. CYLINDER HEAD & BONNET

(A)=3TNV76-FDG (D)=
(B)= (E)=
(C)= (F)=

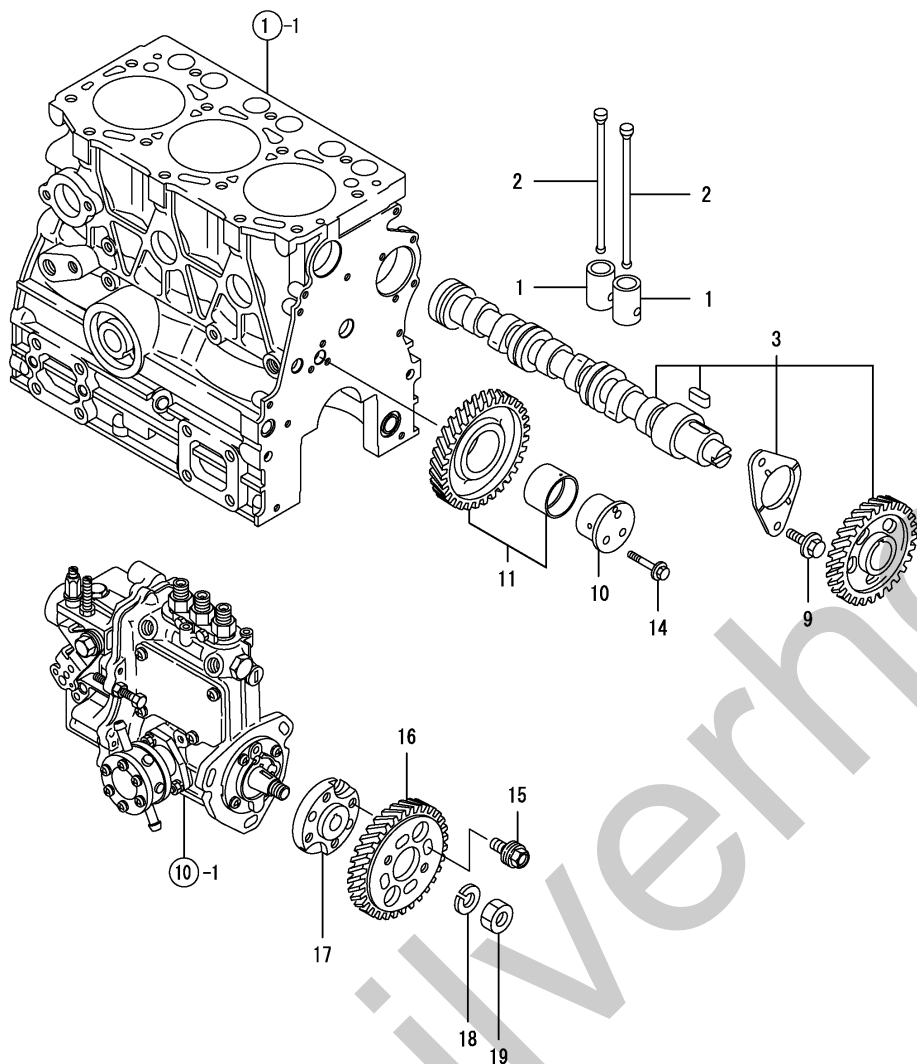
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER, ENGINE	2							
2	1	26106-080162	BOLT M 8X 16 PLATED	4							
3	1	129901-11450	PROTECTOR, NOZZLE	3							
4	1	119600-11460	GASKET, NOZZLE	6							
5	1	105010-11490	CAP, VALVE	6							
6	1	119746-11740	HEAD ASSY, CYLINDER	1							
13	2	119717-11800	GUIDE, VALVE	6							1
15	2	119285-11990	PLUG 35	2							
16	2	23876-005000	PLUG PT 1/16,SCREW	1							
17	2	119717-11100	VALVE, INTAKE	3							
18	2	119717-11110	VALVE, EXHAUST	3							
19	2	119717-11131	SPRING, VALVE	6							
20	2	129508-11180	RETAINER, SPRING	6							
21	2	119717-11190	COTTER, VALVE	12							
22	2	119717-11340	SEAL, VALVE STEM	3							
23	2	119717-11350	SEAL, VALVE STEM	3							
24	1	22351-060012	SPRING PIN 6X12	2							
25	1	119717-11200	SUPPORT ASSY, ARM	1							
26	2	119717-11240	SHAFT ASSY, ROCKER	1							
29	2	119717-11260	SUPPORT, ROCKER ARM	3							
30	2	119620-11280	SPRING	2							
31	2	119717-11650	ARM ASSY, ROCKER	6							
32	3	129150-11230	SCREW, VALVE	6							
34	3	129150-11750	NUT M8XP1.0	6							
35	2	22242-000120	CIRCLIP 12	2							
36	2	26979-050162	SCREW M 5X16	1							
37	1	26106-080402	BOLT M 8X 40 PLATED	3							
38	1	124160-01751	COVER,FILLER	1							
39	1	119717-11381	BONNET ASSY, HEAD	1							
40	2	119717-03031	PLATE, BAFFLE	1							
41	3	119717-03070	BAFFLE, BREATHER	1							
42	2	119717-03070	BAFFLE, BREATHER	2							
43	2	119802-03100	DIAPHRAGM ASSY	1							
44	3	119802-03110	PLATE, DIAPHRAGM	1							
45	3	119802-03121	COVER, DIAPHRAGM	1							
46	3	119802-03131	DIAPHRAGM	1							
47	3	119802-03141	SPRING, DIAPHRAGM	1							
50	2	119718-11310	GASKET, BONNET	1							
51	2	119717-11320	COVER, BONNET	1							
52	2	119717-11331	GASKET,BONNET COVER	1							
53	2	22857-500100	SCREW 5X10,TAPPING	4							
54	2	22857-500100	SCREW 5X10,TAPPING	4							
55	2	22857-500160	SCREW 5X16	2							
56	1	24311-000320	O-RING 1A P-32.0	1							
57	1	26106-060202	BOLT M 6X 20 PLATED	3							
58	1	26106-060752	BOLT M 6X 75 PLATED	6							
59	1	119717-77800	PLUG, GLOW	3							
60	1	119717-77820	CONNECTOR, GLOW PLUG	1							
61	1	977770-01212	GASKET, LIQUID	1							2

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

Fig.5. EXHAUST MANIFOLD



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119718-13100	MANIFOLD, EXHAUST	1							
2	1	119717-13110	GASKET, MANIFOLD	1							
3	1	119717-13600	STUD, M8X50	2							
4	1	119802-13620	BOLT M 8X 50 PLATED	4							
5	1	119131-18320	BOLT M 8X 22	4							
6	1	26306-080002	NUT	2							
7	1	119515-13200	GASKET, SILENCER	1							

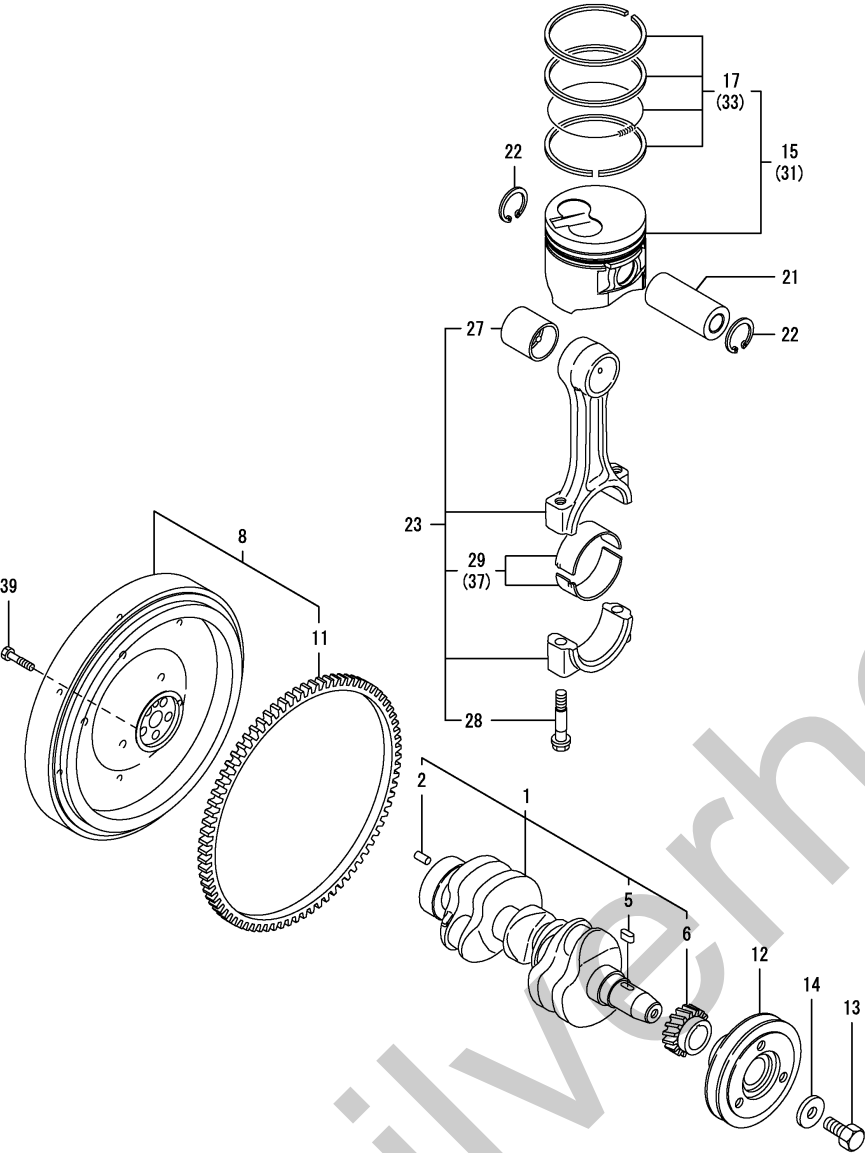


REF.	LEV.	PARTS NO.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119620-14200	TAPPET	6							
2	1	119717-14400	ROD, PUSH	6							
3	1	119717-14580	CAMSHFT ASSY	1							
9	1	26106-060122	BOLT M 6X 12 PLATED	2							
10	1	119717-25050	SHAFT, IDLE GEAR	1							
11	1	119717-25100	GEAR ASSY, IDLE	1							
14	1	26106-060352	BOLT M 6X 35 PLATED	3							
15	1	129150-25301	BOLT,FI-P	4							
16	1	119717-25930	GEAR, PUMP	1							
17	1	119717-51150	FLANGE	1							
18	1	22217-120000	SPRING WASHER 12	1							
19	1	26716-120002	NUT 12	1							

Fig.7. CRANKSHAFT & PISTON

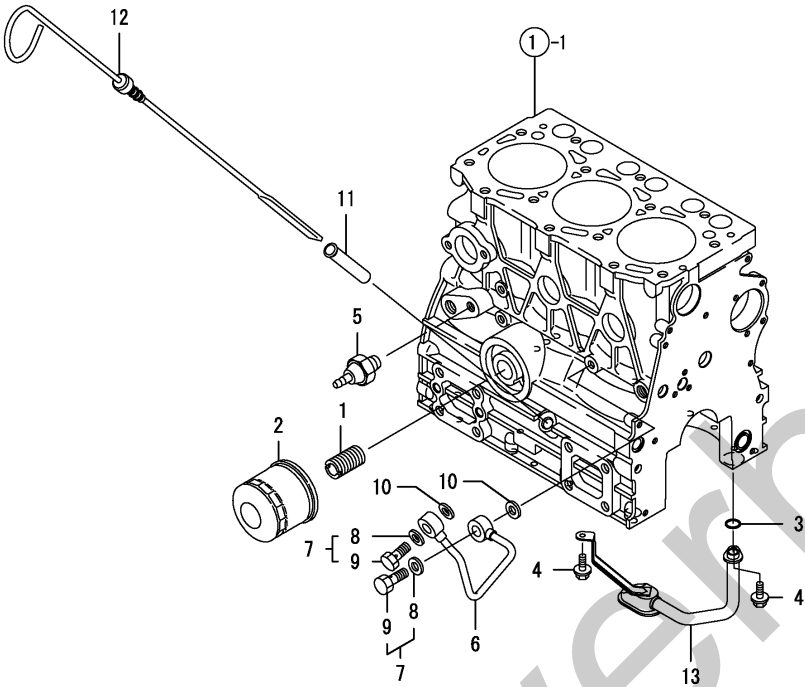
(A)=3TNV76-FDG (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119717-21700	CRANKSHAFT ASSY	1							
2	2	129100-01580	PARALLEL PIN 8X16	1							
5	2	22512-040120	KEY 4X 12	1							
6	2	119717-21200	GEAR, CRANKSHAFT	1							
8	1	119546-21590	FLYWHEEL ASSY	1							
11	2	119865-21600	GEAR, RING	1							
12	1	119717-21650	V-PULLEY, CRANKSHAFT	1							
13	1	119621-21680	BOLT M12X1.25,FLANGE	1							
14	1	119620-21941	WASHER	1							
15	1	119717-22080	PISTON W/RING	3							
17	2	119717-22500	RING SET	3							
21	1	119717-22300	PIN, PISTON	3							
22	1	22252-000220	CIRCLIP 22	6							
23	1	119717-23000	ROD ASSY, CONNECTING	3							
27	2	119717-23910	BUSH, PISTON PIN	3							2
28	2	119717-23200	BOLT, CONNECTING ROD	6							
29	2	119717-23600	METAL ASSY,CRANK PIN	3							
31	1	119717-22090	PISTON W/RING	3							1
33	2	119717-22550	RING SET, 0.25 OS	3							1
37	1	119717-23610	BEARING,PIN US=0.25	3							3
39	1	121111-21501	BOLT, FLYWHEEL	5							



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

Fig.8. LUB.OIL SYSTEM



Y00D8520 8. LUB.OIL SYSTEM

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-35140	STUD	1							
2	1	119305-35151	FILTER ASSY, LUB.OIL	1							
3	1	119717-32060	O-RING, P15.0	1							
4	1	26106-060102	BOLT M 6X 10 PLATED	2							
5	1	114250-39450	SWITCH,(0.5KG)L.O.	1							
6	1	119717-39210	PIPE ASSY, HYDRAULIC	1							
7	1	129005-59830	BOLT ASSY, JOINT	2							
8	2	22190-080002	SEAL WASHER 8S	2							
9	2	23857-030000	JOINT BOLT 3	2							
10	1	22190-080002	SEAL WASHER 8S	2							
11	1	121520-34810	GUIDE, DIPSTICK	1							
12	1	119746-34801	DIPSTICK	1							
13	1	119744-35080	PIPE ASSY, LUB,OIL	1							

Fig.9. COOLING WATER SYSTEM

(A)=3TNV76-FDG (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119717-42002	PUMP ASSY, C.W.	1							
3	2	119717-42041	COVER	1							
4	2	119717-42031	GASKET	1							
9	2	26577-060122	SCREW M 6X 12	4							
10	2	27241-250000	PLUG 25	1							
11	2	119717-42320	O-RING	1							
12	2	129916-49740	PLUG, DRAIN R03	1							
13	1	119717-42020	GASKET, WATER PUMP	1							
14	1	23414-080000	GASKET 8, ROUND	1							
15	1	26106-080122	BOLT M 8X 12 PLATED	1							
16	1	26106-080502	BOLT M 8X 50 PLATED	3							
17	1	121550-49111	JOINT PT1/4	1							
18	1	119515-42350	V-PULLEY, C.W.PUMP	1							
19	1	129612-42310	V-BELT	1							
20	1	119233-44740	FAN (D=290)	1							
21	1	129457-44760	SPACER, FAN	1							
22	1	26106-060452	BOLT M 6X 45 PLATED	4							
23	1	129350-49530	COVER, THERMOSTAT	1							
24	1	119717-49800	THERMOSTAT, 71C	1							
25	1	26106-080202	BOLT M 8X 20 PLATED	2							
26	1	121450-42450	PLUG M16	1							
27	1	121250-44901	SWITCH, THERMO(110 C	1							
28	1	124465-44950	GASKET 16	1							
29	1	124465-44950	GASKET 16	1							
30	1	124450-44510	SUB-TANK ASSY	1							
32	2	124450-44530	CAP	1							
33	2	124450-44560	CLAMP	1							
34	2	23061-070230	PIPE 7X 230	1							
35	1	121470-44540	LABEL, SUB-TANK	1							
36	1	124450-44550	CLAMP, SUB-TANK	1							
37	1	121256-44600	BRACKET, SUB-TANK	1							

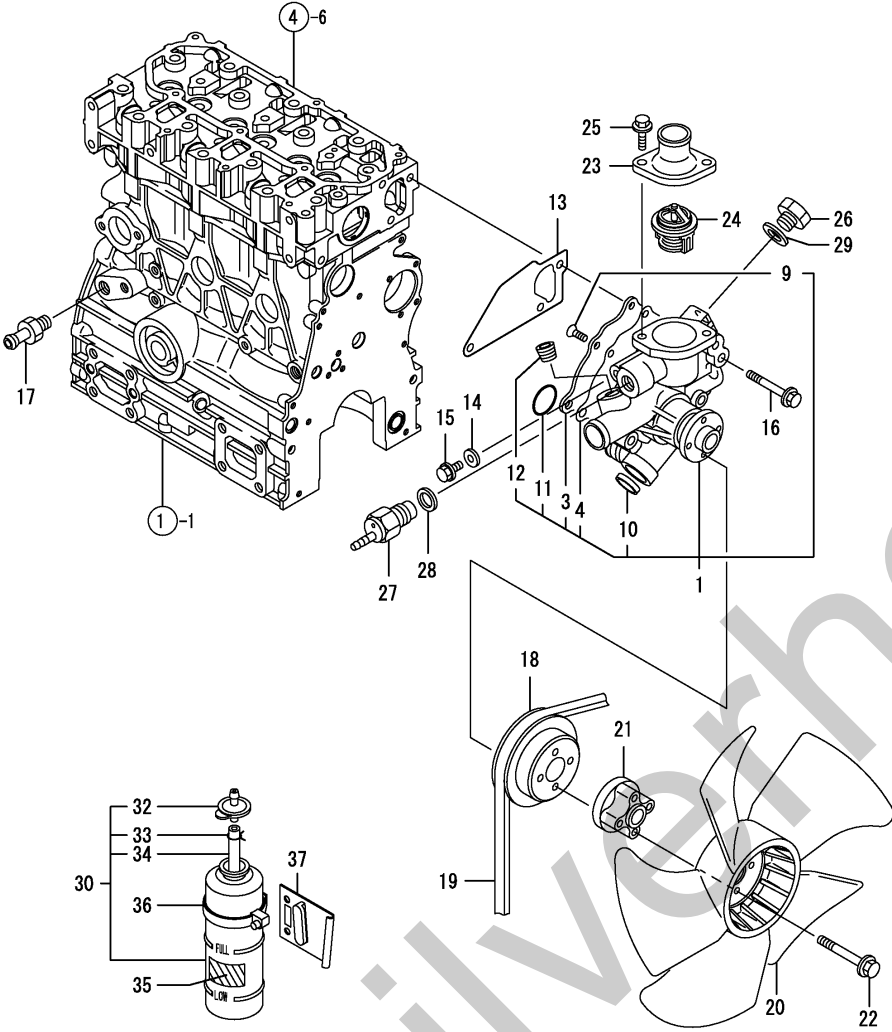
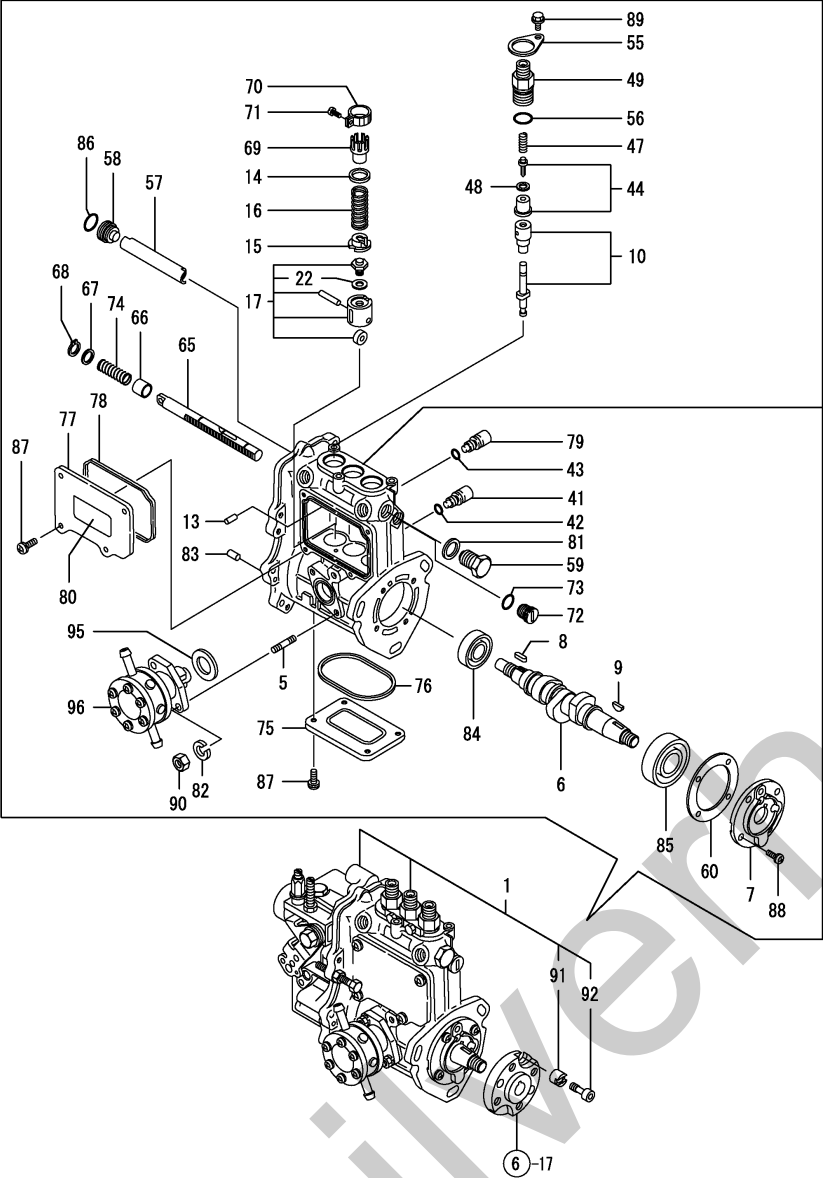


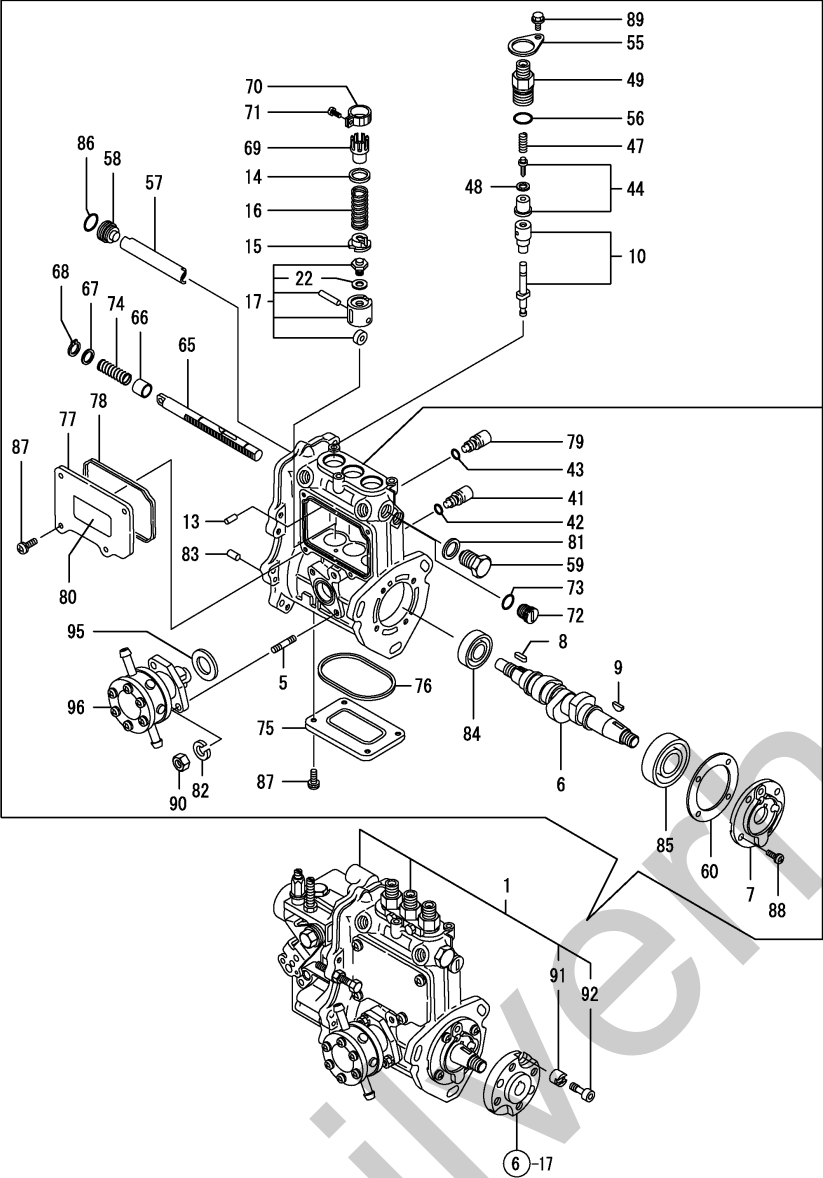
Fig.10. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY(FIG.11) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719746-51380	FIE ASSY(3TNV76-FDG	1							1
5	2	129155-51020	STUD, FEED PUMP	2							
6	2	119717-51030	CAMSHAFT	1							
7	2	119717-51060	SUPPORT, BEARING	1							
8	2	119717-51070	PARALLEL PIN	1							
9	2	122710-51090	KEY	1							
10	2	119717-51100	PLUNGER ASSY	3							
13	2	129155-51140	PIN, BARREL LOCKING	3							
14	2	158600-51170	SEAT SPRING	3							
15	2	119717-51180	RETAINER, SPRING	3							
16	2	119717-51190	SPRING, PLUNGER	3							
17	2	119717-51200	TAPPET ASSY	3							
22	3	129155-51600	SHIM PACK	1							
41	2	158600-51270	STOPPER	3							
42	2	129155-51280	O-RING S6	3							
43	2	129155-51280	O-RING S6	1							
44	2	119717-51300	VALVE ASSY, DELIVERY	3							
47	2	119717-51330	SPRING, DELIVERY	3							
48	2	124550-51350	GASKET, DELIVERY	3							
49	2	158600-51441	VALVE ASSY, DELIVERY	3							
55	2	118400-51370	LOCKING	3							
56	2	24316-000150	O-RING 4D P15	3							
57	2	129155-51400	DEFLECTOR	1							
58	2	158600-51410	PLUG	1							
59	2	158600-51420	PLUG	1							
60	2	129155-51450	SHIM SET, ADJUSTING	1							
65	2	119717-51500	RACK, CONTROL	1							
66	2	129155-51521	BUSH, RACK	1							
67	2	129155-51530	SPACER, AUX. SPRING	1							
68	2	129155-51540	CIRCLIP	1							
69	2	129155-51550	PINION, CONTROL	3							
70	2	129100-51560	PINION	3							
71	2	129100-51570	SCREW	3							
72	2	158600-51570	PLUG	1							
73	2	129155-51580	O-RING	1							
74	2	129155-51591	SPRING, RACK	1							
75	2	129155-51701	COVER	1							
76	2	119717-51710	PACKING	1							
77	2	119717-51750	COVER, BODY SIDE	1							
78	2	119717-51760	GASKET	1							
79	2	158600-51790	GUIDE, RACK	1							
80	2	129156-51910	LABEL, CAUTION	1							
81	2	22190-160002	SEAL WASHER 16S	1							
82	2	22217-060000	SPRING WASHER 6	2							
83	2	22351-050010	SPRING PIN 5X10	2							
84	2	24101-060034	BALL BEARING	1							
85	2	24101-063034	BALL BEARING	1							
86	2	119717-51420	O-RING	1							
87	2	26022-050122	SCREW M 5X 12	8							
88	2	26022-060162	SCREW M 6X 16	4							
89	2	26106-050102	BOLT M 5X 10 PLATED	3							

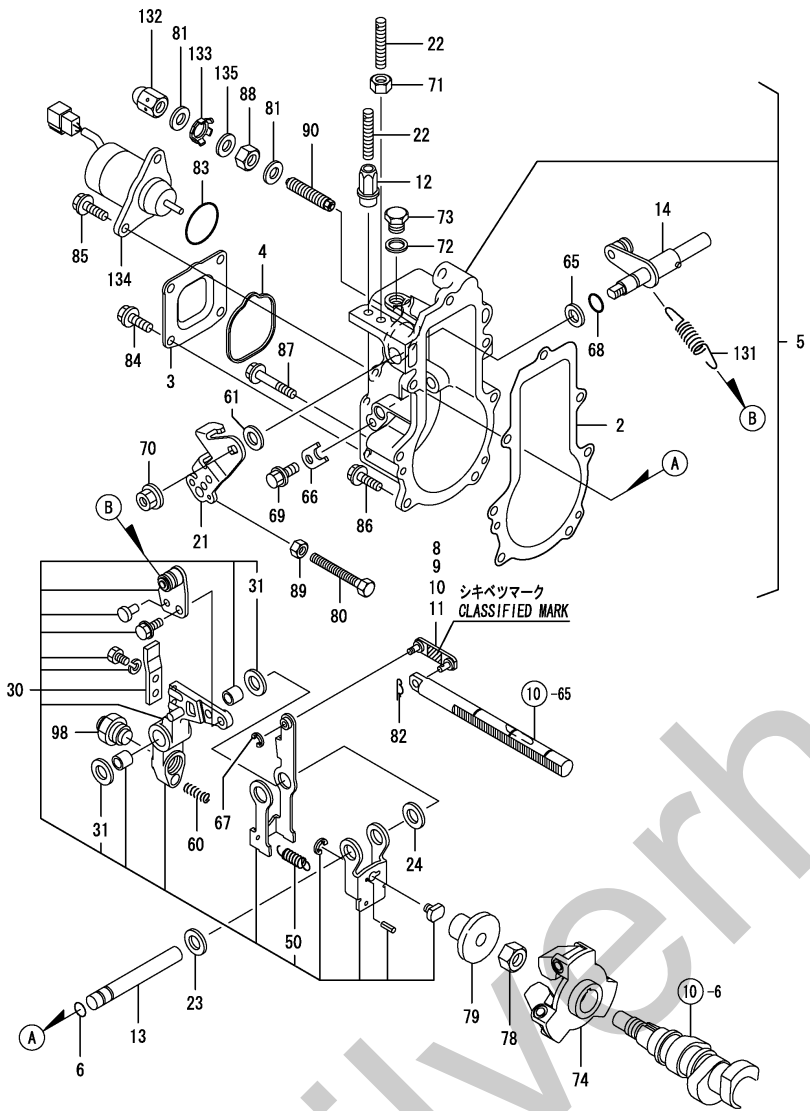
Fig.10. FUEL INJECTION PUMP



Remarks
(1) GOVERNOR ASSY(FIG.11) IS
INCORPORATED IN THIS FOP.CMP
(REF.NO.1).

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
90	2	26716-060002	NUT 6	2							
91	2	119717-51480	COLLAR. FIC FIX	1							
92	2	119717-51490	BOLT, FIXATION	1							
95	2	129155-52051	GASKET	1							
96	2	129100-52101	PUMP ASSY, FUEL FEED	1							

Fig.11. GOVERNOR

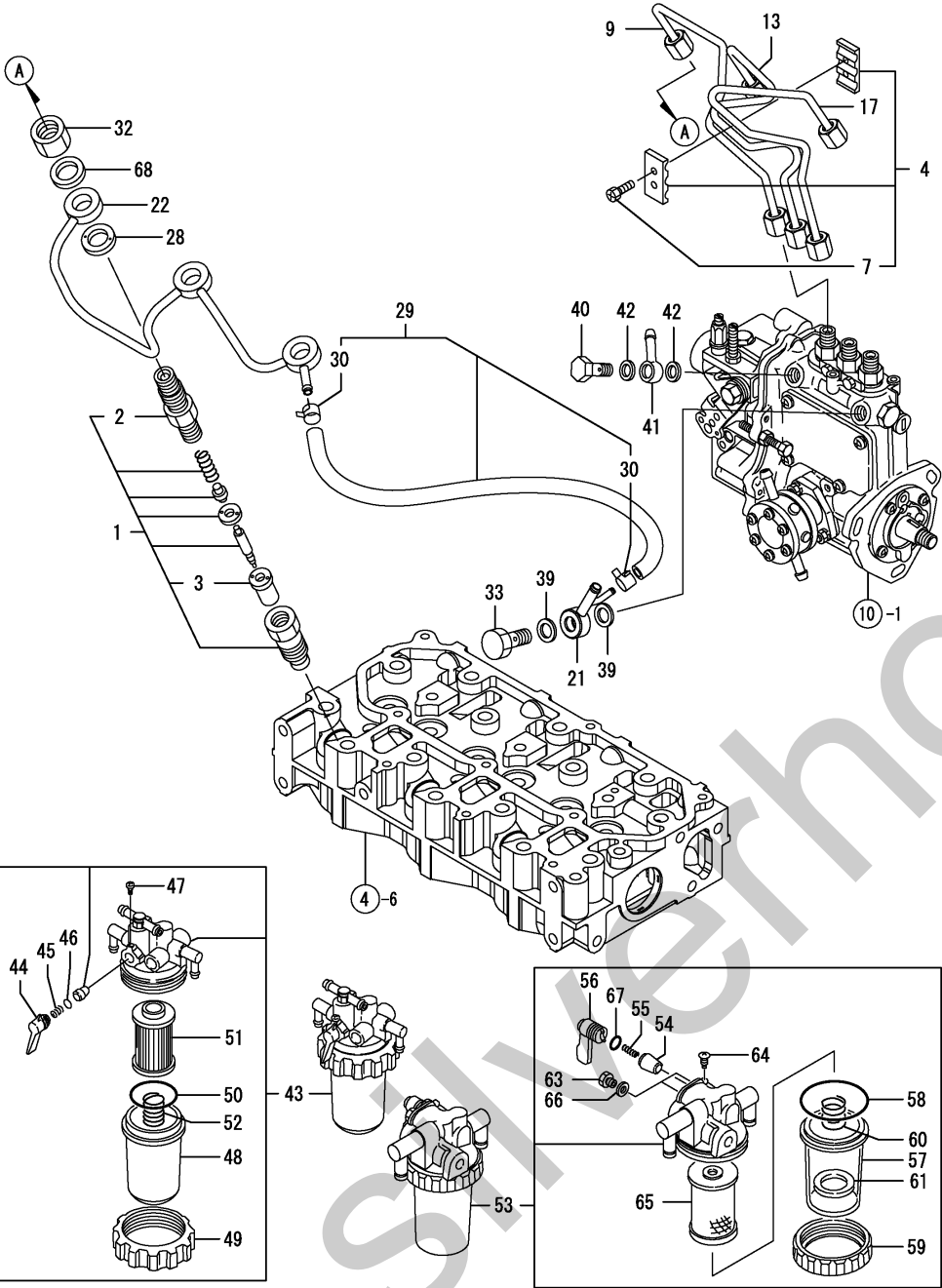


Remarks
(1) SELECTIVE PARTS: CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REF. TO ILLUSTRATION)
* THIS FIGURE(GOVERNOR ASSY)IS INCORPORATED IN THE FUEL INJECTION PUMP ASSY(FIG.10).

(A)=3TNV76-FDG (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	119717-61050	GASKET, CASE	1							
3	2	119717-61060	CASE, GOVERNOR	1							
4	2	119717-61070	GASKET, COVER	1							
5	2	119742-61100	CASE ASSY, GOVERNOR	1							
6	3	129155-51280	O-RING S6	1							
8	3	119717-61120	LINK, L=29.3	1							1
9	3	119717-61130	LINK, L=29.8	1							1
10	3	119717-61140	LINK, L=28.8	1							1
11	3	119717-61150	LINK, L=303	1							1
12	3	129209-61370	NUT M6	1							
13	3	129052-61390	SHAFT, GOV. LEVER	1							
14	3	119717-61400	SHAFT ASSY, CONTROL	1							
21	3	119515-61440	LEVER, CONTROL	1							
22	3	129155-61450	BOLT, REVOL. LIMIT	2							
23	3	129156-61460	SHIM T=0.6	1							
24	3	129155-61480	SPACER ASSY	1							
30	3	119717-61500	LEVER ASSY, GOVERNOR	1							
31	4	174307-51700	SHIM SET	2							
50	4	129486-61540	SPRING, SET	1							
60	3	129100-61650	SPRING, FUEL CONTROL	1							
61	3	158552-61700	SHIM ASSY	1							
65	3	158552-61710	SHIM T=1.0	1							
66	3	119660-61901	RETAINER, SHAFT	1							
67	3	22272-000030	CIRCLIP E- 3	1							
68	3	24341-000070	O-RING 1A S-7.0	1							
69	3	26106-060102	BOLT M 6X 10 PLATED	1							
70	3	26366-080002	NUT M 8	1							
71	3	26756-060002	LOCK NUT 6	1							
72	2	22190-100002	SEAL WASHER 10S	1							
73	2	23887-100002	PLUG 10	1							
74	2	119717-61200	WEIGHT ASSY	1							
78	2	119660-61300	NUT, GOVERNOR WEIGHT	1							
79	2	129155-61341	SLEEVE	1							
80	2	129155-61460	BOLT, IDLE LIMIT	1							
81	2	22190-120002	SEAL WASHER 12	2							
82	2	22372-040000	SNAP PIN 4	1							
83	2	24341-000280	O-RING 1A S-28.0	1							
84	2	26106-060102	BOLT M 6X 10 PLATED	4							
85	2	26106-060142	BOLT M 6X 14 PLATED	2							
86	2	26106-060202	BOLT M 6X 20 PLATED	4							
87	2	26106-060452	BOLT M 6X 45 PLATED	3							
88	2	26736-120002	NUT M12	1							
89	2	26756-060002	LOCK NUT 6	1							
90	2	158601-61700	LIMITER ASSY, FUEL	1							
98	2	119761-61560	ANGLEICH ASSY	1							
131	2	129573-61700	SPRING, GOVERNOR	1							
132	2	129209-61930	CAP NUT	1							
133	2	129209-61970	PLATE	1							
134	2	119233-77932	SOLENOID, STOP	1							
135	2	23414-120016	GASKET 12	1							

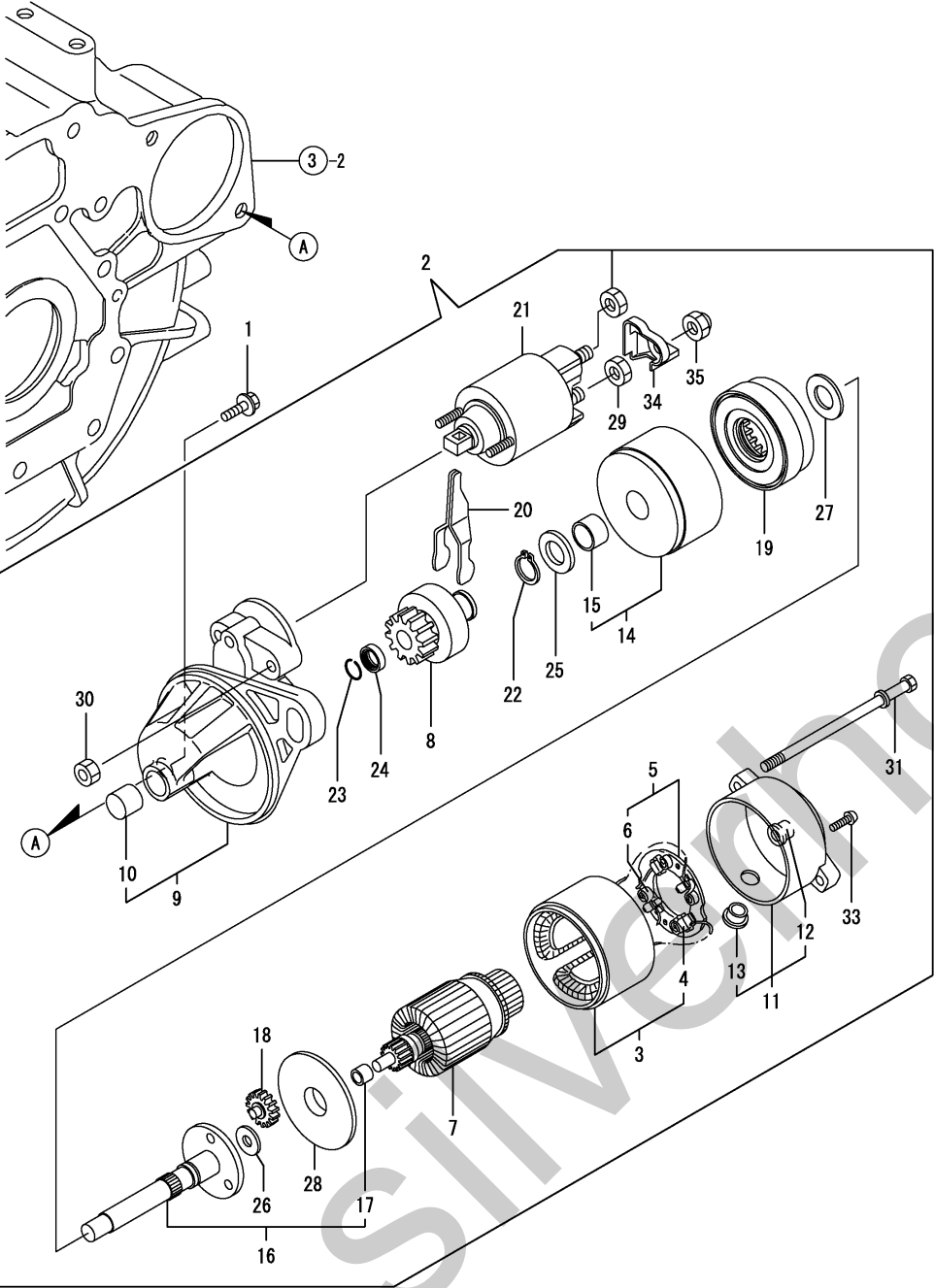
Fig.12. FUEL INJECTION VALVE



(A)=3TNV76-FDG (D)=
(B)= (E)=
(C)= (F)=

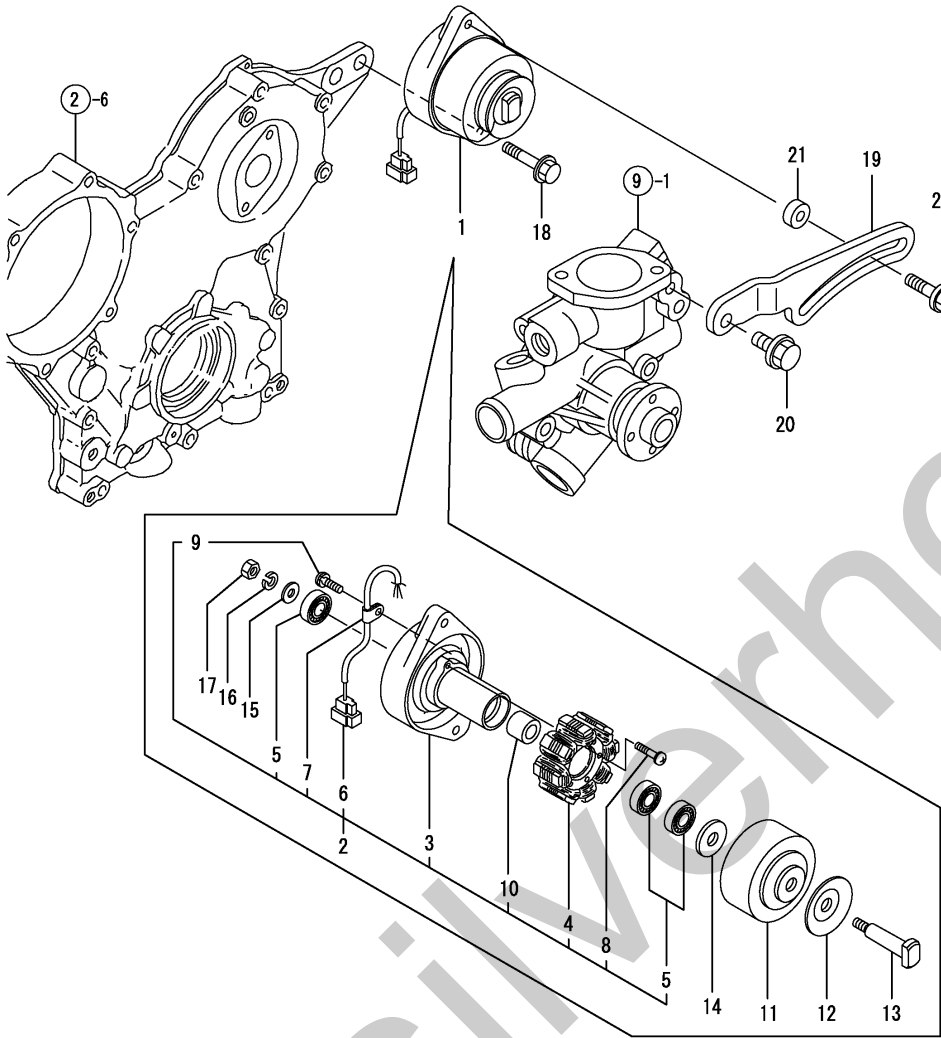
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119515-53001	VALVE ASSY,INJECTION	3							
2	2	118200-53010	HOLDER, NOZZLE	3							
3	2	119515-53010	NOZZLE ASSY	3							
4	1	129150-59120	RETAINER, INJ. PIPE	1							
7	2	129150-59131	BOLT M4X14,HEX.SCKT.	2							
9	1	119746-59810	PIPE, FUEL INJECTION	1							
13	1	119746-59820	PIPE, FUEL INJECTION	1							
17	1	119746-59830	PIPE, FUEL INJECTION	1							
21	1	119840-59570	JOINT	1							
22	1	119717-59510	PIPE ASSY, RETURN	1							
28	1	129901-59560	GASKET, RETURN	3							
29	1	119540-59570	PIPE, FUEL RETURN	1							
30	2	124066-59100	CLAMP 8	2							
32	1	119620-59700	NUT	3							
33	1	119813-59950	VALVE ASSY, CHECK	1							
39	1	22190-120002	SEAL WASHER 12	2							
40	1	103854-39140	BOLT, PIPE JOINT	1							
41	1	101304-59020	JOINT 12, PIPE	1							
42	1	22190-120002	SEAL WASHER 12	2							
43	1	119833-55620	STRAINER ASSY, FUEL	1							
44	2	119810-55340	LEVER	1							
45	2	104200-55330	SPRING, TAPER VALVE	1							
46	2	24311-240100	O-RING 1A P-10A	1							
47	2	104200-55750	SCREW M 4	1							
48	2	121254-55510	CUP, STRAINER	1							
49	2	110250-55610	RING, RETAINING	1							
50	2	102103-55520	O-RING	1							
51	2	119810-55650	ELEMENT	1							
52	2	121250-55620	SPRING	1							
53	1	129335-55700	SEPARATOR, WATER	1							
54	2	104200-55321	VALVE, TAPER	1							
55	2	104200-55330	SPRING, TAPER VALVE	1							
56	2	104200-55341	HANDLE, COCK	1							
57	2	124064-55510	BOWL, FUEL STRAINER	1							
58	2	102103-55520	O-RING	1							
59	2	110250-55610	RING, RETAINING	1							
60	2	121257-55720	SPRING, SCREEN	1							
61	2	121257-55731	FLOAT	1							
63	2	101720-55750	PLUG 6	2							
64	2	104200-55750	SCREW M 4	1							
65	2	171081-55910	SCREEN	1							
66	2	23418-060000	GASKET 6, NYLON	2							
67	2	24311-240100	O-RING 1A P-10A	1							
68	1	22190-120002	SEAL WASHER 12	3							

Fig.13. STARTING MOTOR



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	26106-100252	BOLT M10X 25 PLATED	2							
2	1	119717-77010	STARTER, P1.1	1							
3	2	X0281007750	COIL ASSY, FIELD	1							
4	3	X0280996180	STARTER KIT	2							
5	2	X0285105190	HOLDER ASSY.	1							
6	3	X0285205030	SPRING	4							
7	2	X0282005991	ARMATURE ASSY	1							
8	2	X0283006960	CLUTCH SUB-ASSY.	1							
9	2	X4284001590	HOUSING ASSY, STARTER	1							
10	3	X9491050100	NEEDLE BEARING	1							
11	2	X0285007030	FRAME ASSY.	1							
12	3	X9491040990	BEARING	1							
13	3	X0280626010	COVER	1							
14	2	X0284105040	BEARING SUB-ASSY.	1							
15	3	X9491034330	BEARING	1							
16	2	X0286105010	SHAFT SUB-ASSY.	1							
17	3	X9491034320	BEARING	1							
18	2	X0286305010	GEAR	3							
19	2	X0286355010	GEAR	1							
20	2	X0287405140	LEVER	1							
21	2	X0534007800	SWITCH, EMERGENCY	1							
22	2	X9055715000	RING	1							
23	2	X9490721360	RING	1							
24	2	X0280210331	NUT	1							
25	2	X9490138110	WASHER	1							
26	2	X9490138090	WASHER	1							
27	2	X9490138100	WASHER	1							
28	2	X0284525010	PLATE	1							
29	2	X9490562360	NUT	1							
30	2	X9490560750	NUT	2							
31	2	X9490423420	BOLT, THROUGH	2							
33	2	X9490065670	SCREW M 4X 6 (BS)	2							
34	2	X0280335350	COVER SET, TERMINAL	1							
35	2	X1289510130	NUT	1							

Fig.14. GENERATOR



(A)=3TNV76-FDG (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171301-77201	GENERATOR (15A)	1							
2	2	XM08137	PLATE ASSY	1							
3	3	X2A07073KA	PLATE	1							
4	3	X4A07023KB	STATOR ASSY	1							
5	3	24104-062010	BALL BEARING	3							
6	3	X417878	COUPLER	1							
7	3	XM069000000	CLAMP	1							
8	3	XYSPS402400	SCREW	2							
9	3	XYSPS400800	SCREW	1							
10	3	XM329830000	COLLAR	1							
11	2	X3A08877KA	FLYWHEEL	1							
12	2	XM721740000	PULLEY	1							
13	2	X4A07403K01	SHAFT	1							
14	2	XM67935	WASHER	1							
15	2	XM860250000	WASHER 10	1							
16	2	XM219230000	WASHER, SPRING	1							
17	2	XM863720000	NUT	1							
18	1	26106-100402	BOLT M10X 40 PLATED	1							
19	1	119742-77300	ADJUSTER, BELT	1							
20	1	26106-080202	BOLT M 8X 20 PLATED	1							
21	1	119940-77270	ADJUSTER, BELT	1							
22	1	129972-77341	BOLT, ADJUSTING	1							

Fig.15. ELECTLIC PART

(A)=3TNV76-FDG (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194940-52110	SWITCH,STARTER	1							
6	2	198360-52160	KEY COMPL.	1							
9	1	119643-66900	DIODE	2							
10	1	119247-77100	RELAY, SAFETY	1							
11	1	119865-77700	CURRENT-REMITTER	1							
12	1	119546-77800	UNIT, EMERGENCY	1							
13	1	119650-77910	RELAY, GROW	1							

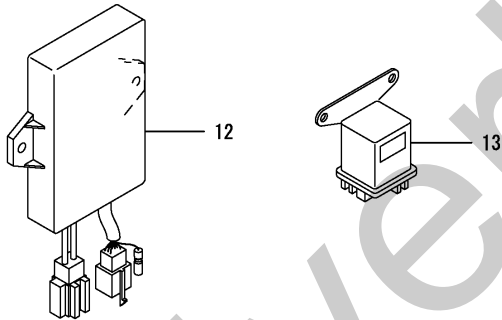
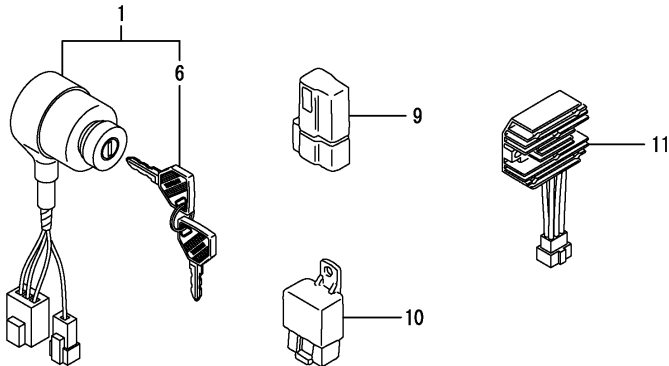
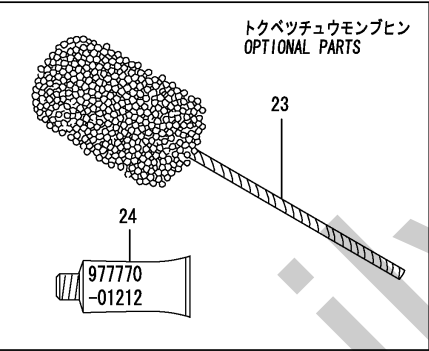
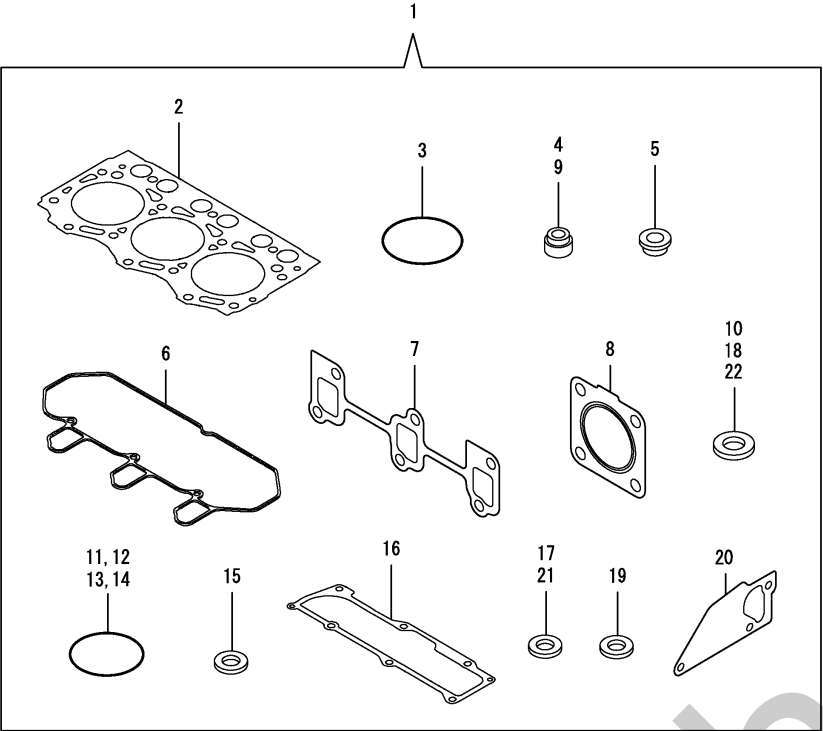


Fig.16. GASKET SET



Remarks
(1) OPTIONAL PART.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719717-92670	GASKET SET(NON-ASB.)	1							1
2	2	119717-01330	GASKET, CYL. HEAD	1							
3	2	121850-51960	O-RING, F.I.PUMP	1							
4	2	119717-11340	SEAL, VALVE STEM	3							
5	2	129901-11450	PROTECTOR, NOZZLE	3							
6	2	119718-11310	GASKET, BONNET	1							
7	2	119717-13110	GASKET, MANIFOLD	1							
8	2	119515-13200	GASKET, SILENCER	1							
9	2	119717-11350	SEAL, VALVE STEM	3							
10	2	22190-080002	SEAL WASHER 8S	4							
11	2	24311-000320	O-RING 1A P-32.0	2							
12	2	119717-32060	O-RING, P15.0	1							
13	2	119624-32040	O-RING P 12.0	1							
14	2	119717-32050	O-RING, P17.0	3							
15	2	119600-11460	GASKET, NOZZLE	6							
16	2	119717-11331	GASKET, BONNET COVER	1							
17	2	124465-44950	GASKET 16	2							
18	2	22190-120002	SEAL WASHER 12	4							
19	2	129901-59560	GASKET, RETURN	3							
20	2	119717-42020	GASKET, WATER PUMP	1							
21	2	23414-080000	GASKET 8, ROUND	1							
22	2	22190-160002	SEAL WASHER 16S	1							
23	1	129400-92420	FLEX HORN	1							1
24	1	977770-01212	GASKET, LIQUID	1							1

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**All parts of this Parts Catalog is arranged by Part No. order
(depending on the spot where the model is used).**

**If you want to know by Part No. where your object part is used,
please use this Parts Catalog.**

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105311-01090	1	6
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118400-51370	10	55
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119285-01990	1	9
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119515-13200	5	7
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119620-11280	4	30
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119621-21680	7	13
119623-01250	1	7
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119717-01590	2	4
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119717-32060	8	3
	16	12
119717-32080	2	11
119717-32100	2	10
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119717-32120	2	16
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119717-51030	10	6
119717-51060	10	7
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119717-51100	10	10
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119717-51710	10	76
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119717-59510	12	22
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119717-61150	11	11
119717-61200	11	74
119717-61400	11	14
119717-61500	11	30
119717-77010	13	2
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119744-35080	8	13
119746-11740	4	6
119746-34801	8	12
119746-59810	12	9
119746-59820	12	13
119746-59830	12	17
119761-61560	11	98
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119802-03110	4	44
119802-03121	4	45
119802-03131	4	46
119802-03141	4	47
119802-13620	5	4
119802-32130	2	17
119810-01200	1	30
119810-02930	1	27
119810-02940	1	32
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119813-59950	12	33
119833-55620	12	43
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121257-55720	12	60
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121450-42450	9	26
121470-44540	9	35
121520-34810	8	11
121550-49111	9	17
121850-51960	2	22
	16	3
122710-51090	10	9
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124550-51350	10	48
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129001-32330	2	14
129005-59830	8	7
129052-61390	11	13
129100-01580	3	1
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129100-35140	8	1
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129155-51140	10	13
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129486-61540	11	50
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198360-52160	15	6
719717-01500	2	5
719717-01561	1	1
719717-02900	1	15
719717-02910	1	35
719717-92670	16	1
719746-51380	10	1
977770-01212	2	32
	3	9
	4	61
	16	24
X0280210331	13	24
X0280335350	13	34
X0280626010	13	13
X0280996180	13	4
X0281007750	13	3
X0282005991	13	7
X0283006960	13	8

PARTS No.	Fig.	Ref.No.
X0284105040	13	14
X0284525010	13	28
X0285007030	13	11
X0285105190	13	5
X0285205030	13	6
X0286105010	13	16
X0286305010	13	18
X0286355010	13	19
X0287405140	13	20
X0534007800	13	21
X1289510130	13	35
X2A07073KA	14	3
X3A08877KA	14	11
X417878	14	6
X4284001590	13	9
X4A07023KB	14	4
X4A07403K01	14	13
X9055715000	13	22
X9490065670	13	33
X9490138090	13	26
X9490138100	13	27
X9490138110	13	25
X9490423420	13	31
X9490560750	13	30
X9490562360	13	29
X9490721360	13	23
X9491034320	13	17
X9491034330	13	15
X9491040990	13	12
X9491050100	13	10
XM0690000000	14	7
XM08137	14	2
XM219230000	14	16
XM329830000	14	10
XM67935	14	14
XM721740000	14	12
XM860250000	14	15
XM863720000	14	17
XYSPS400800	14	9
XYSPS402400	14	8

PARTS No.	Fig.	Ref.No.
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