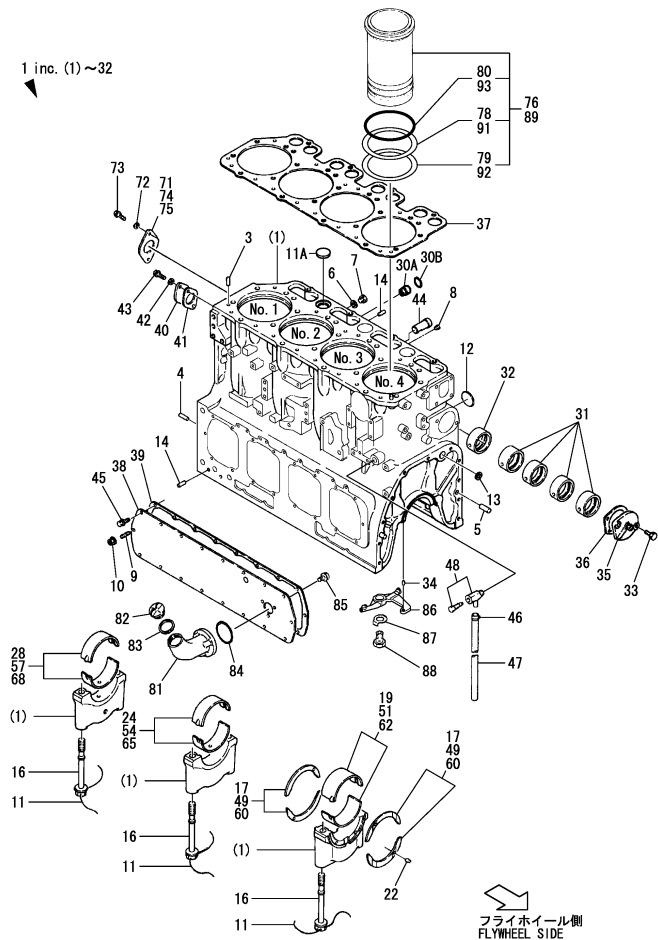


Fig.1.CYLINDER BLOCK

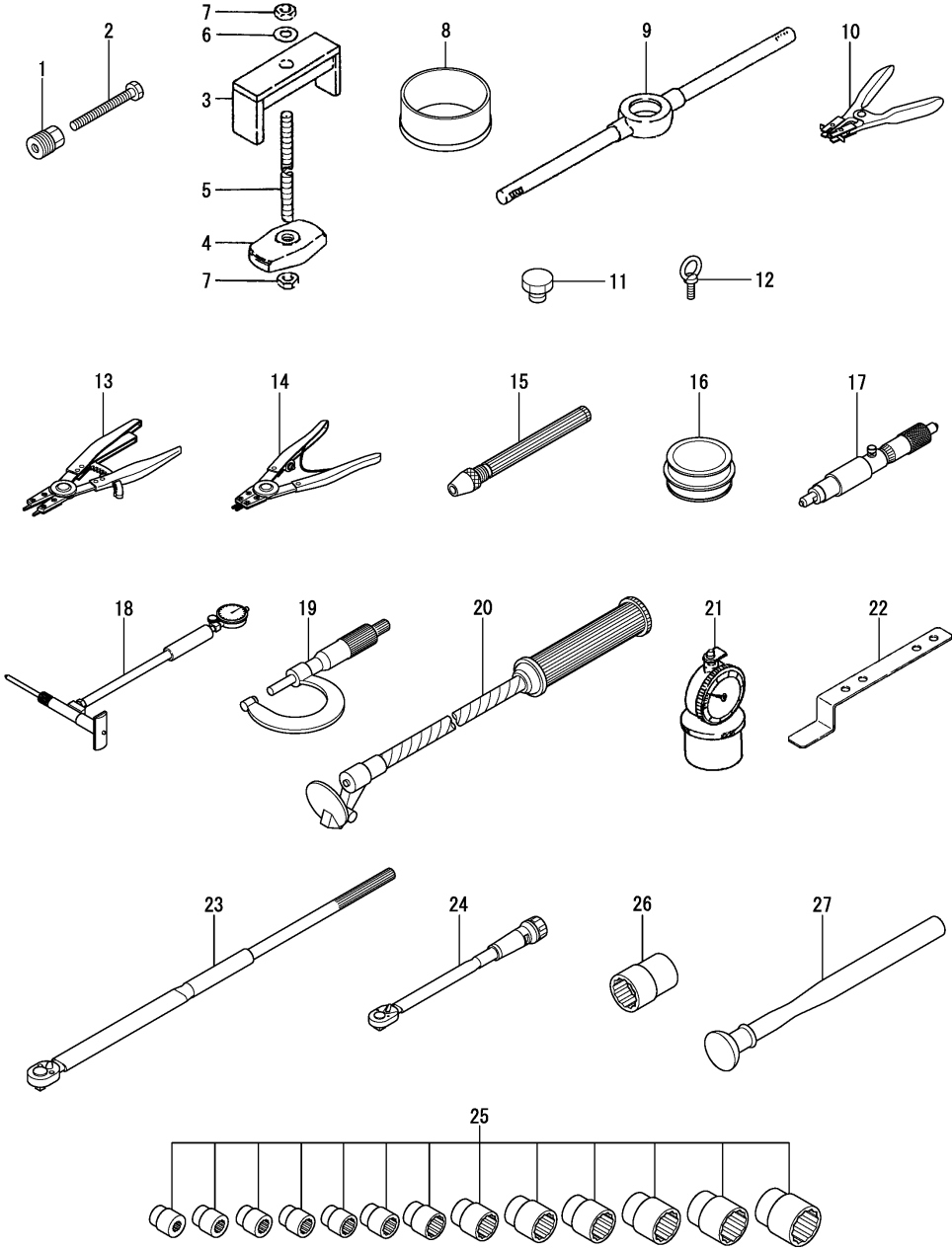


Remarks
(1)Over sized(O.S.=0.25)parts.
(2)Under sized(U.S.=0.25)parts.
(3)Over sized(O.S.=0.50)parts.
(4)Under sized(U.S.=0.50)parts.
(5)Plating liner(Outside cylinder)
(6)Interchangeable by simultaneous replacement with No.1-1,76-1 and Fig.7 No.31-1.
(7)Plating liner(Outside cylinder) Interchangeable by simultaneous replacement with No.1-1,89-1 and Fig.7 No.31-1.

OCG20-G29802 1.CYLINDER BLOCK

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	726443-01560	BLOCK ASSY,CYLINDER	1							
1-1	1	726443-01561	BLOCK ASSY, CYLINDER	1						S	6
(A=*2002.08)											
3	2	22312-100250	PARALLEL PIN, M10X25	2							
4	2	22312-100320	PARALLEL PIN, M10X32	2							
5	2	22312-120360	PARALLEL PIN, M12X36	2							
6	2	23414-120016	GASKET 12	1							
6-1	2	23414-120000	GASKET 12, ROUND	1							N
(A=EXXXXX)											
7	2	23887-120002	PLUG M12 HEX	1							
8	2	23871-010000	PLUG PT1/8, SCREW	2							
8-1	2	23876-010000	PLUG PT1/8, SCREW	2							N
(A=EXXXXX)											
9	2	26216-080162	STUD BOLT M8X16	2							
10	2	26366-080002	NUT M 8	2							
11	2	22451-200000	WIRE, 2X1000	5							W
11A	2	27231-450000	PLUG 45	3							
(A=FROM 1ST)											
12	2	27231-500000	PLUG 50	4							
13	2	27241-220000	PLUG, 22	1							
14	2	22312-120200	PARALLEL PIN, M12X20	4							
16	2	126640-02070	BOLT	10							
17	2	126650-02190	METAL, THRUST	2							
19	2	126625-02450	MAIN METAL (BASE)	1							
22	2	22312-060080	PARALLEL PIN, M6X8	2							
22-1	2	22312-060100	PARALLEL PIN, M6X10	2							N
(A=EXXXXX)											
24	2	126625-02460	MAIN METAL (CENTER)	3							
28	2	126625-02470	MAIN METAL (GEAR)	1							
30A	2	123672-01850	CONNECTOR	1							W
(A=EXXXXX)											
30B	2	24316-000290	O-RING 4D P-29.0	1							W
(A=EXXXXX)											
31	2	126650-02400	BUSH, CAM SHAFT	4							
32	2	126650-02410	BUSH, CAM SHAFT	1							
33	1	26106-100222	BOLT M10X 22 PLATED	2							
34	1	22312-060120	PARALLEL PIN, M6X12	4							
35	1	126650-09012	COVER	1							
35-1	1	126650-09060	COVER, TACHOMETER	1							R
(A=EZZZZZ)											
36	1	126650-09023	GASKET	1							
37	1	126443-01330	GASKET, CYL. HEAD	1							
38	1	126438-01400	COVER	1							
39	1	126450-01411	GASKET, COVER	1							
40	1	126630-01580	COVER, BLIND	1							
41	1	23424-210000	PACKING 21	1							
42	1	22217-080000	WASHER, 8	2							
43	1	26106-080182	BOLT M 8X 18 PLATED	2							
44	1	126650-01860	CONNECTOR	1							
45	1	26106-080162	BOLT M 8X 16 PLATED	16							
46	1	23010-017000	CLAMP 17	1							

Fig.78.(55B)SPECIAL TOOL(OPTIONAL)



78.(55B)SPECIAL TOOL(OPTIONAL)

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	127881-92420	TOOLIMPELLA	1							
2	1	26203-100804	BOLT M10X80 PLATED	1							
3	1	144626-92010	PLATE, UPPER	1							
4	1	126650-92020	PLATE, LOWER	1							
5	1	144626-92030	BOLT	1							
6	1	22137-200000	WASHER, 20	1							
7	1	26756-200002	LOCK NUT M20 PLATED	2							
8	1	126650-92140	TOOL, PISTON&RING	1							
9	1	126650-92600	RETAINER	1							
10	1	135410-92140	TOOL, PISTON&RING	1							
11	1	23887-160002	PLUG 16/HEX	1							
12	1	26610-080002	EYE BOLT M8	2							
13	1	28190-000020	PLIERS,CIRCLIP	1							
14	1	28190-000130	PLIERS,CIRCLIP RT3	1							
15	1	28210-000010	CLEANER, NOZZLE TIP	1							
16	1	28210-000070	LAPPING POWDER	1							
17	1	42111-000820	BORE GAUGE	1							
18	1	42111-000840	BORE GAUGE	1							
19	1	42111-001020	MICROMETER	1							
20	1	42111-001420	MIRROR, GAUGE	1							
21	1	42111-400040	DEFLECTION GAUGE	1							
22	1	42111-550230	TOOL	1							
23	1	42112-005901	TORQUE WRENCH(550N/M	1							
24	1	42112-550150	WRENCH	1							
25	1	42112-550190	WRENCH	1							
26	1	42112-550230	SOCKET	1							
27	1	42112-550560	HAND VALVE LAPPER	1							

$$(F)=$$

(C) (D)

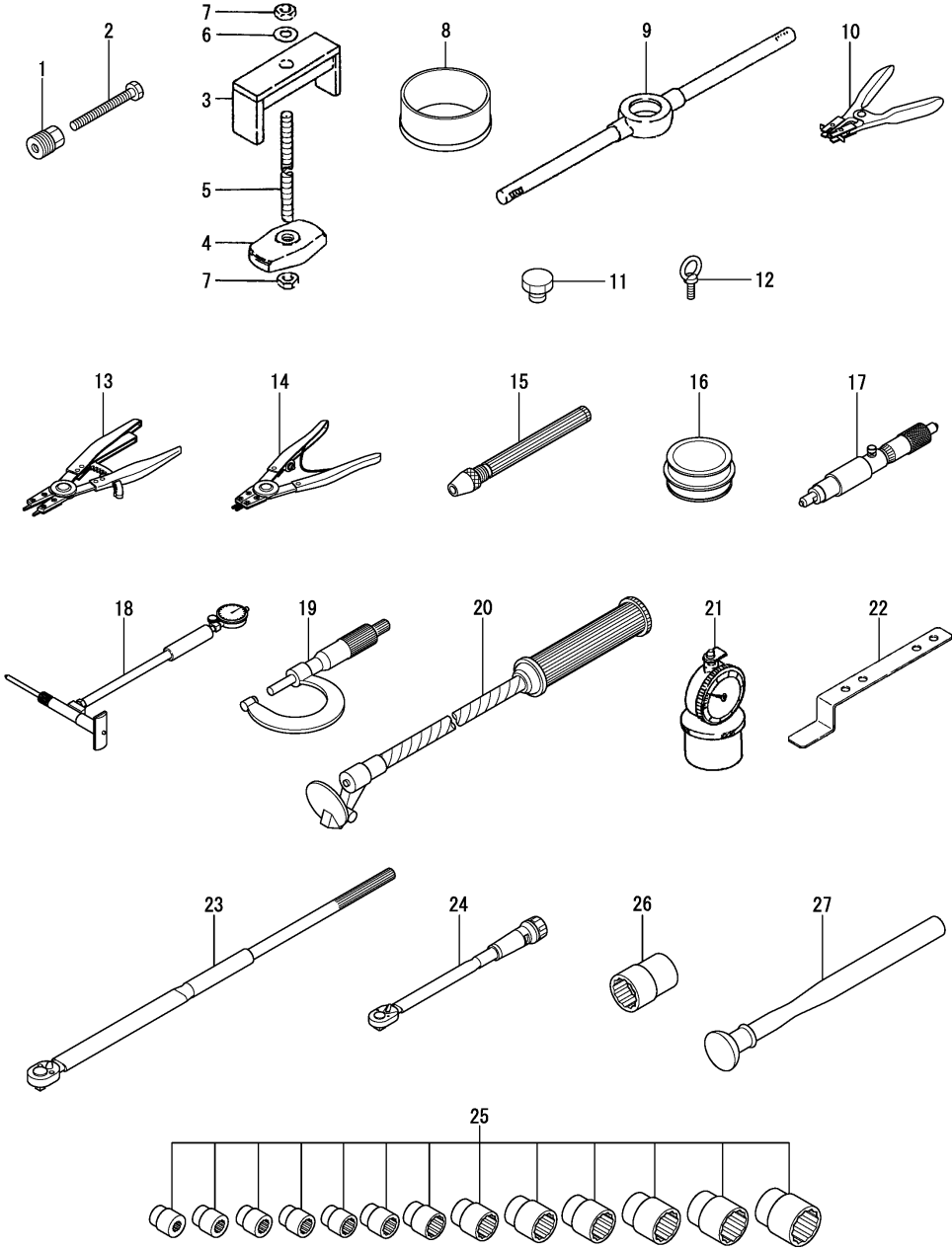
REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	726443-92600	GASKET SET	1							
1-1	1	XXXXX	GASKET SET	1							S 1
(A=*1999.05)											
2	2	126443-01330	GASKET, CYL. HEAD	1							
3	2	126450-01411	GASKET, COVER	1							
4	2	144626-01322	O-RING	4							
5	2	126650-01301	O-RING,CYL LINER	4							
6	2	126650-01311	O-RING,CYL LINER	8							
7	2	126660-01510	GASKET, GEAR CASE	1							
8	2	126660-01531	PACKING	1							
9	2	126430-01712	GASKET, OIL SUMP	1							
10	2	126650-01682	GASKET, HOUSING	1							
10-1	2	126625-01680	GASKET	1							S
(A=*1999.05)											
11	2	126635-12131	GASKET	4							
12	2	126634-13211	GASKET	4							
12-1	2	126634-13212	GASKET, EXH-MANIFOLD	4							N
(A=*1999.11)											
13	2	123678-18050	GASKET	1							
14	2	126450-33022	GASKET, COOLER	1							
15	2	123682-01580	GASKET, PUMP	1							
15-1	2	126660-01580	GASKET	1							N
(A=EXXXXXX)											
16	2	126630-42611	GASKET, MOUNT	1							
17	2	126660-01580	GASKET	1							

(1)Parts number will be informed later.

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

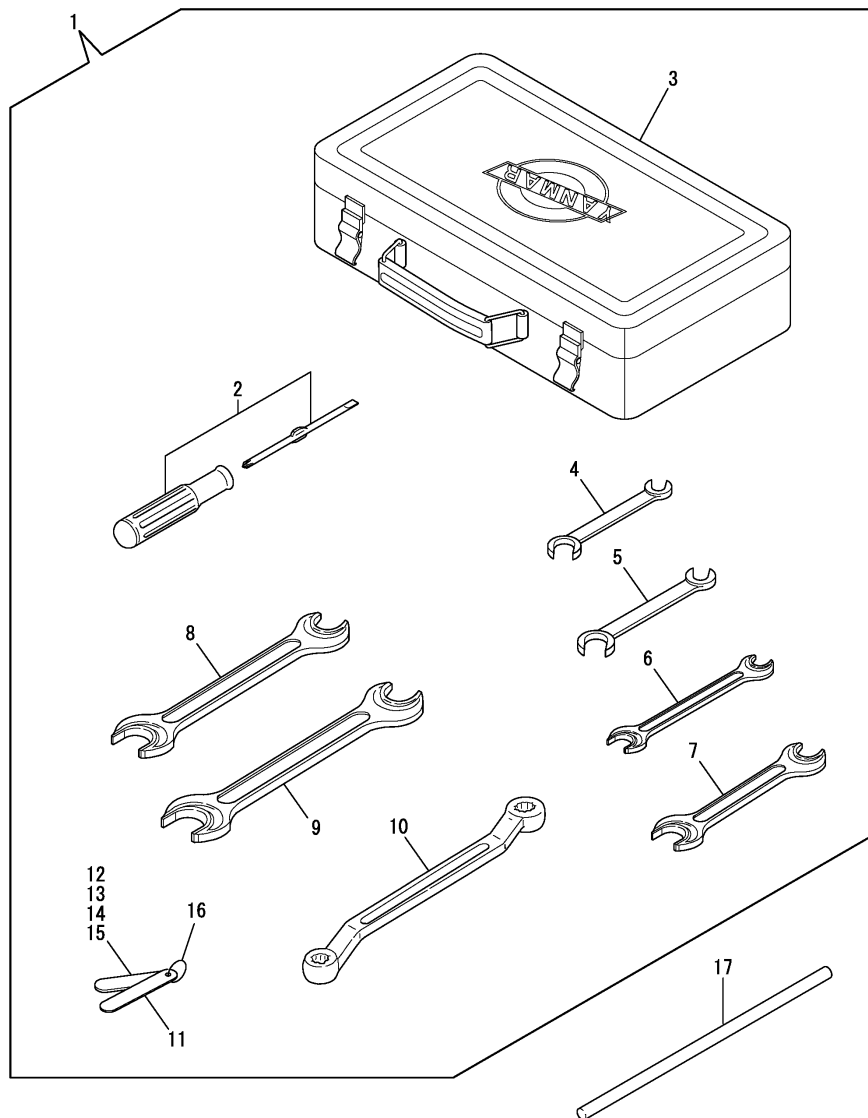
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Fig.78.(55B)SPECIAL TOOL(OPTIONAL)



78.(55B)SPECIAL TOOL(OPTIONAL)

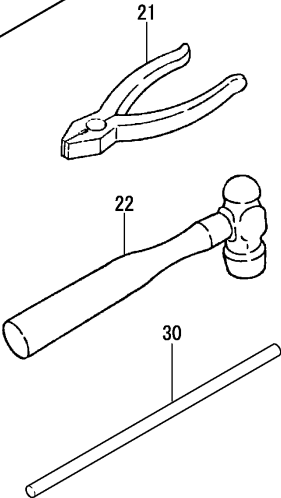
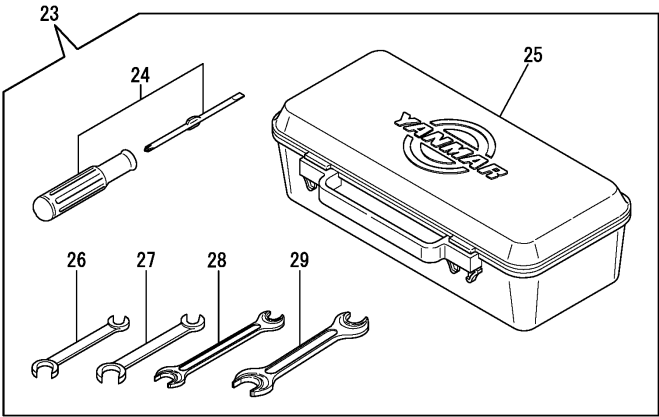
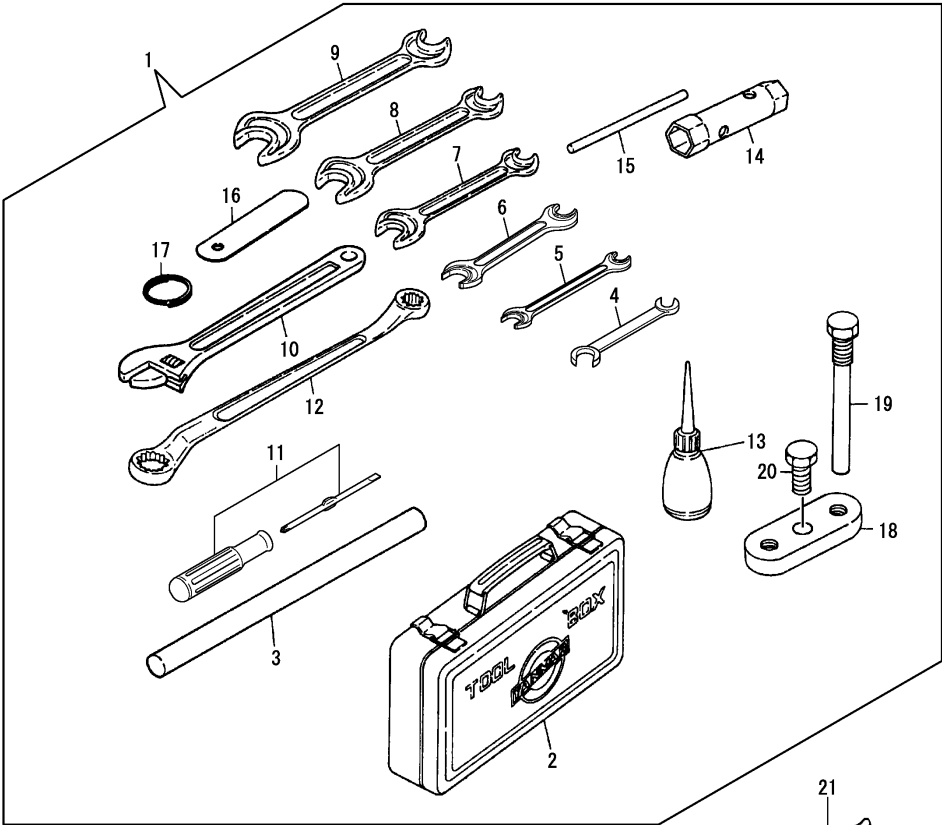
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	127881-92420	TOOLIMPELLA	1							
2	1	26203-100804	BOLT M10X80 PLATED	1							
3	1	144626-92010	PLATE, UPPER	1							
4	1	126650-92020	PLATE, LOWER	1							
5	1	144626-92030	BOLT	1							
6	1	22137-200000	WASHER, 20	1							
7	1	26756-200002	LOCK NUT M20 PLATED	2							
8	1	126650-92140	TOOL, PISTON&RING	1							
9	1	126650-92600	RETAINER	1							
10	1	135410-92140	TOOL, PISTON&RING	1							
11	1	23887-160002	PLUG 16/HEX	1							
12	1	26610-080002	EYE BOLT M 8	2							
13	1	28190-000020	PLIERS,CIRCLIP	1							
14	1	28190-000130	PLIERS,CIRCLIP RT3	1							
15	1	28210-000010	CLEANER, NOZZLE TIP	1							
16	1	28210-000070	LAPPING POWDER	1							
17	1	42111-000820	BORE GAUGE	1							
18	1	42111-000840	BORE GAUGE	1							
19	1	42111-001020	MICROMETER	1							
20	1	42111-001420	MIRROR, GAUGE	1							
21	1	42111-400040	DEFLECTION GAUGE	1							
22	1	42111-550230	TOOL	1							
23	1	42112-005901	TORQUE WRENCH(550N/M	1							
24	1	42112-550150	WRENCH	1							
25	1	42112-550190	WRENCH	1							
26	1	42112-550230	SOCKET	1							
27	1	42112-550560	HAND VALVE LAPPER	1							



(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	726671-92110	TOOL, ASSY	1							W
(A=EZZZZZ)											
2	2	104200-92350	DRIVER, SCREW	1							
3	2	122210-92601	BOX, SPARES/TOOLS	1							
4	2	28110-080100	WRENCH 8X10	1							
5	2	28110-100130	WRENCH 10X13	1							
6	2	28110-120140	WRENCH 12X14	1							
7	2	28110-170190	WRENCH 17X19	1							
8	2	28110-220240	WRENCH 22X24	1							
9	2	28110-270300	WRENCH 27X30	1							
10	2	28160-220240	OFFSET WRENCH	1							
11	2	28312-100750	GAUGE 0.1*75	1							
12	2	28312-250750	THICKNESS GAUGE	1							
13	2	28312-300750	THICKNESS GAUGE	1							
14	2	28312-350750	THICKNESS GAUGE	1							
15	2	28312-500750	THICKNESS GAUGE	1							
16	2	28322-020000	RING, GAUGE	1							
17	1	126410-92720	HANDLE 18X500, TURN	1							W
(A=EZZZZZ)											

Fig.55.TOOL



55.TOOL

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	726650-92100 (A=EZZZZZ)	TOOL, ASSY	1							Z
2	2	122210-92600	BOX, TOOL	1							
2-1	2	126625-92680 (A=*1998.12)	BOX, TOOL	1							N
3	2	126410-92720	HANDLE 18X500, TURN.	1							
4	2	28110-100130	WRENCH 10X13	1							
5	2	28110-120140	WRENCH 12X14	1							
6	2	28110-170190	WRENCH 17X19	1							
7	2	28110-220240	WRENCH 22X24	1							
8	2	28110-270300	WRENCH 27X30	1							
9	2	28110-320360	WRENCH 32X36	1							Z
(A=EXXXXX)											
10	2	28120-002000	WRENCH 200, ADJUSTABL.	1							
11	2	104200-92350	DRIVER, SCREW	1							
12	2	28160-130170	OFFSET WRENCH	1							
13	2	28210-000140	FEEDER, OIL	1							
14	2	28227-130170	BOX WRENCH 13X17	1							
15	2	28230-090150	HANDLE, TURN 9X150	1							
16	2	28312-400750	THICKNESS GAUGE	1							
17	2	28322-020000	RING, GAUGE	1							
18	2	126650-92610	REPLACER	1							
19	2	126650-92620	BOLT	2							
20	2	26106-080182	BOLT M 8X 18 PLATED	1							
21	1	127610-92760 (A=EZZZZZ)	PINCERS	1							Z
22	1	127610-92770	HAMMER	1							Z
(A=EZZZZZ)											
23	1	719195-92500 (A=EZZZZZ)	TOOL ASSY, STD	1							W
(A=EZZZZZ)											
24	2	104200-92350	DRIVER, SCREW	1							
25	2	104200-92600	BOX, TOOL	1							
26	2	28110-080100	WRENCH 8X10	1							
27	2	28110-100130	WRENCH 10X13	1							
28	2	28110-120140	WRENCH 12X14	1							
29	2	28110-170190	WRENCH 17X19	1							
30	1	126410-92720 (A=EZZZZZ)	HANDLE 18X500, TURN.	1							W



- (1) For C.F.W. Cooler
(2) For turbocharger in
(3) For exhaust synthesis exit
(4) Not illustrated

$$(F)=$$

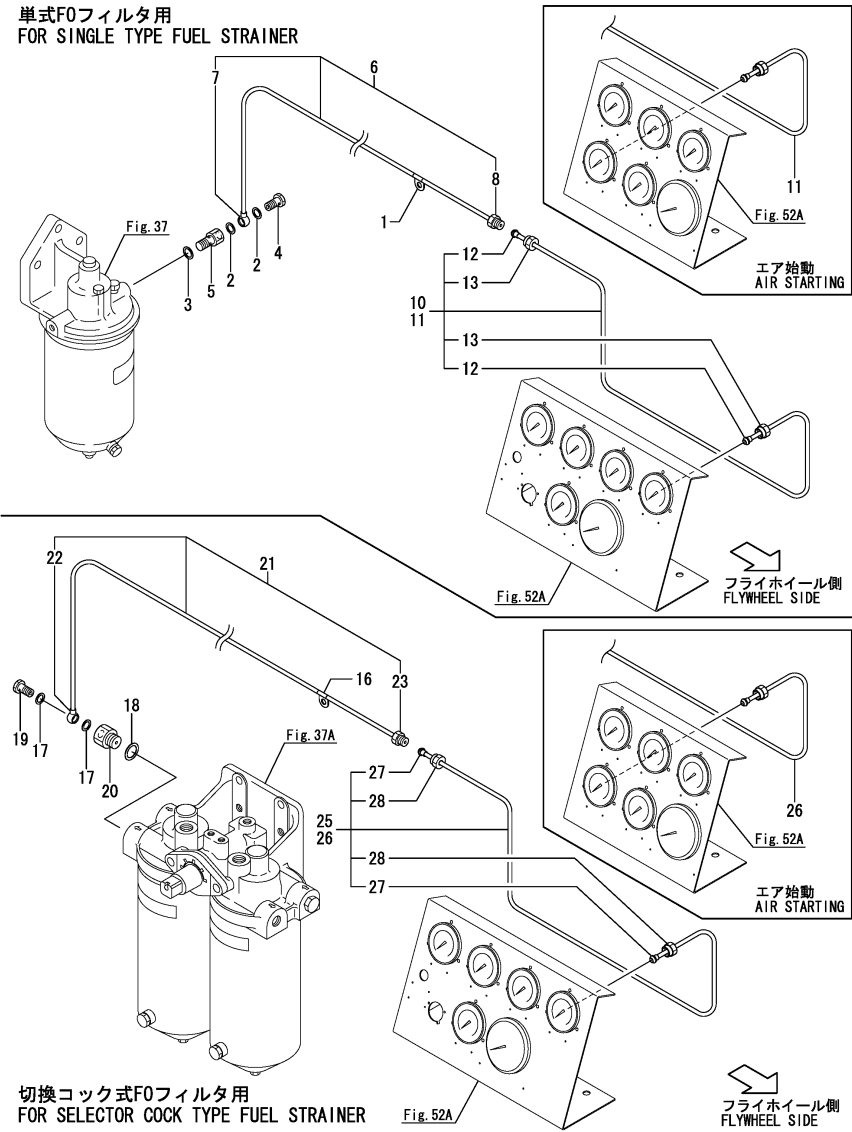
Q'TY

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	145610-49970	PACKING	6							
1-1	1	23414-170250	PACKING 17.5X0.25,CU	6							N
(A=EXXXXX)											
2	1	145610-49980	PACKING	12							
2-1	1	23414-170500	PACKING 17.5X0.5,CU	12							N
(A=EXXXXX)											
3	1	135355-91310	THERMOMETER, EXHAUST	4							
3-1	1	135355-91312	THERMOMETER, EXHAUST	4							N
(A=*2002.01)											
3-2	1	135355-91313	THERMOMETER, EXHAUST	4							N
(A=EZZZZZ)											
3-3	1	135355-91313	THERMOMETER, EXHAUST	4							Z
(A=EZZZZZ)											
3A	1	42130-502901	THERMOMETER, EXHAUST	4							W
(A=EZZZZZ)											
4	1	28551-030300	THERMOMETER 100C38	1							1
5	1	42130-553770	THERMOMETER(100C)	1							
6	1	23414-170022	GASKET 17	1							
7	1	23414-170000	GASKET 17, ROUND	1							W 4
(A=EXXXXX)											
8	1	23414-170000	GASKET 17, ROUND	1							W
(A=EZZZZZ)											
9	1	42130-554700	THERMOMETER	1							W 2
(A=EZZZZZ)											
10	1	23414-210000	PACKING 21X 1,RD.	1							W
(A=EZZZZZ)											
11	1	28571-620115	THERMOMETER, EXHAUST	1							W 3
(A=EZZZZZ)											

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

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Fig.76.(53A)FUEL OIL PRESSURE GAUGE PIPE



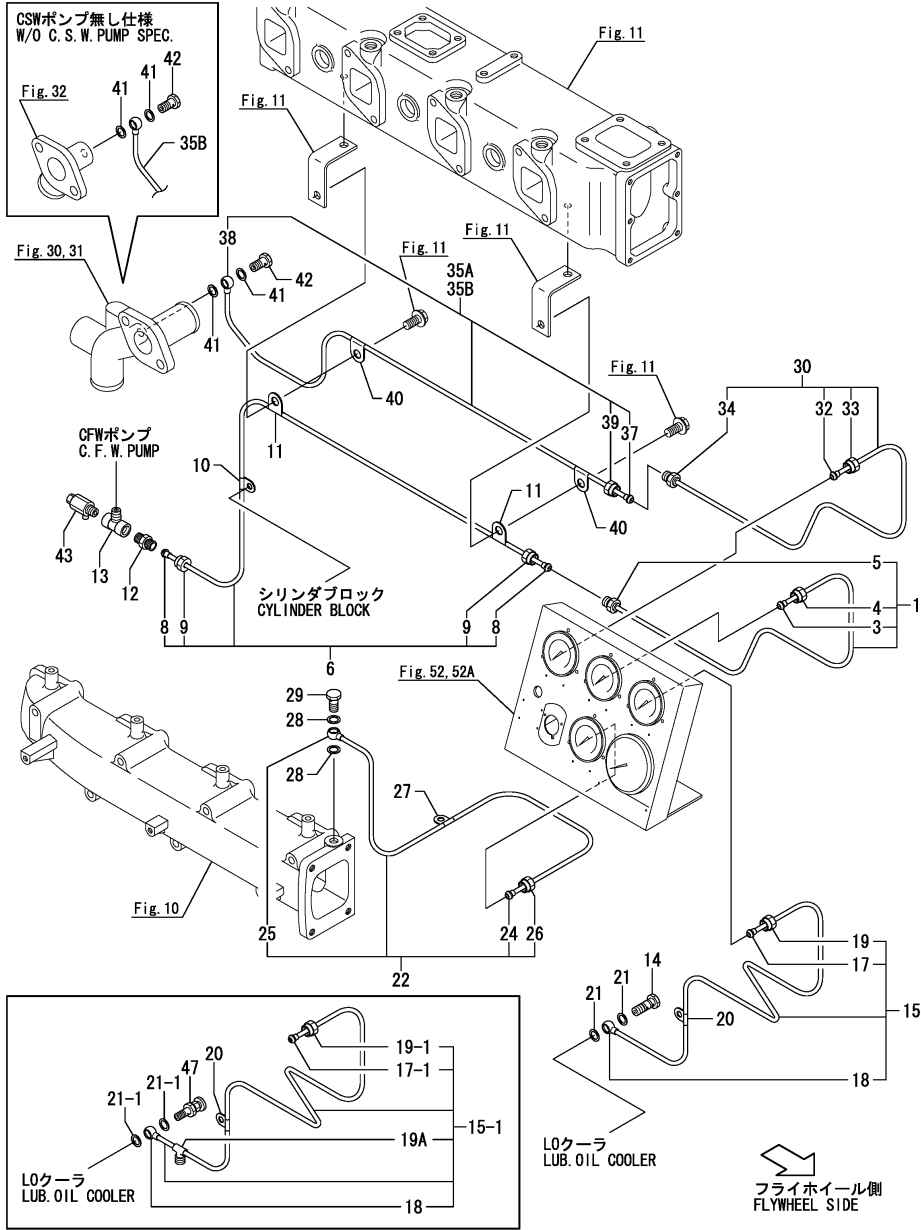
- Remarks
- (1)Electric starting, single filter spec.
 - (2)Air starting, single filter spec.
 - (3)Electric starting, duplex filter spec.
 - (4)Air starting, duplex filter spec.

76.(53A)FUEL OIL PRESSURE GAUGE PIPE

(A)=4HAL2-TN(1)
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	23297-060081	RETAINER, A6X8	2							
2	1	23414-120000	GASKET 12, ROUND	2							
3	1	23414-140018	GASKET 14	1							
4	1	23857-060000	JOINT BOLT 6,PIPE	1							
5	1	43510-550740	BOLT	1							
6	1	43711-574890	PIPE CMP,F.O. GAUGE	1							
7	2	23341-060000	JOINT, PIPE 6X12	1							
8	2	43551-001441	UNION(M) 6	1							
10	1	43711-574930	PIPE CMP,F.O. GAUGE	1							1
11	1	43711-574950	PIPE CMP,F.O. GAUGE	1							2
12	2	23311-060001	JOINT 6	2							
13	2	23821-060001	CAP NUT M 6	2							
16	1	23297-060081	RETAINER, A6X8	2							
17	1	23414-120000	GASKET 12, ROUND	2							
18	1	23414-200026	GASKET 20	1							
19	1	23857-060000	JOINT BOLT 6,PIPE	1							
20	1	43570-552100	SOCKET	1							
21	1	43711-574910	PIPE CMP,F.O. GAUGE	1							
22	2	23341-060000	JOINT, PIPE 6X12	1							
23	2	43551-001441	UNION(M) 6	1							
25	1	43711-574930	PIPE CMP,F.O. GAUGE	1							3
26	1	43711-574950	PIPE CMP,F.O. GAUGE	1							4
27	2	23311-060001	JOINT 6	2							
28	2	23821-060001	CAP NUT M 6	2							

Fig.53.PRESSURE GAUGE PIPE

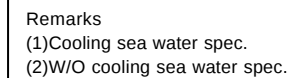


Remarks

- (1)Cooling sea water spec.
- (2)W/O cooling sea water spec.

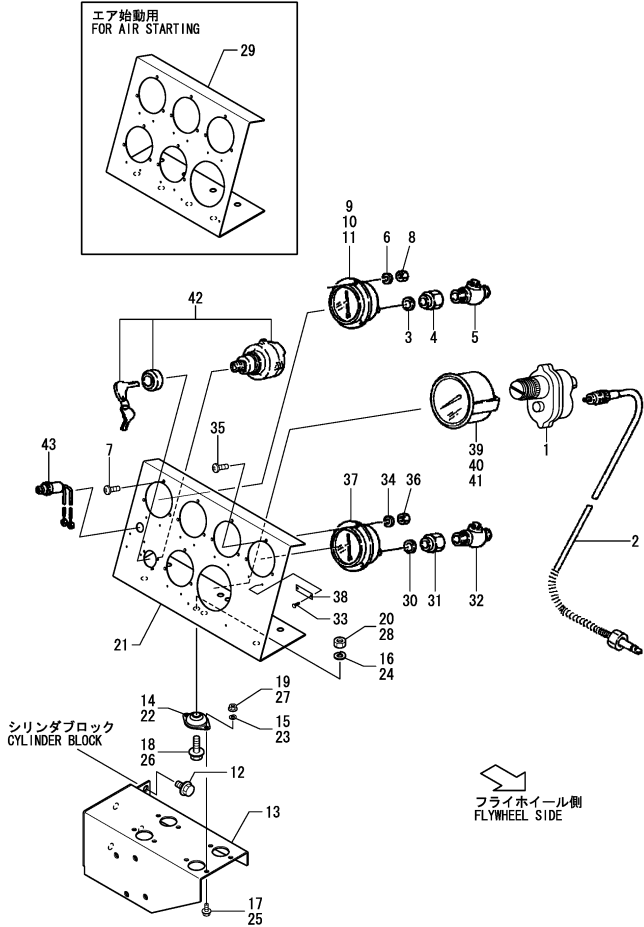
53.PRESSURE GAUGE PIPE

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126443-91100	GAUGE CMP	1							
3	2	23314-060000	JOINT 6	1							
4	2	23824-060000	CAP NUT M 6	1							
5	2	43554-001441	UNION	1							
6	1	126443-91110	GAUGE CMP	1							
8	2	23314-060000	JOINT 6	2							
9	2	23824-060000	CAP NUT M 6	2							
10	1	23297-060081	RETAINER, A6X8	1							
11	1	23297-060121	RETAINER, A6X12	2							
12	1	43554-000031	UNION	1							
12-1	1	43554-001541	UNION PT1/4	1							N
(A=EXXXXX)											
13	1	43580-550660	T-JOINT	1							
14	1	126645-59250	JOINT BOLT M12	1							Z
(A=EZZZZZ)											
15	1	126443-91150	GAUGE CMP	1							
15-1	1	126443-91151	PIPE, L/O GAUGE	1							S
(A=EZZZZZ)											
17	2	23311-060000	JOINT, 6	1							
17-1	2	23311-060001	JOINT 6	1							N
(A=EXXXXX)											
18	2	23341-060000	JOINT, PIPE 6X12	1							
19	2	23821-060000	CAP NUT M 6	1							
19-1	2	23821-060001	CAP NUT M 6	1							N
(A=EXXXXX)											
19A	2	43580-550460	3-WAY JOINT	1							W
(A=EZZZZZ)											
20	1	23297-060081	RETAINER, A6X8	2							
21	1	23414-120000	GASKET 12, ROUND	3							
21-1	1	23414-120000	GASKET 12, ROUND	2							K
(A=EZZZZZ)											
22	1	126443-91200	GAUGE CMP	1							
24	2	23314-060000	JOINT 6	1							
25	2	23344-060000	JOINT, PIPE 6X12	1							
26	2	23824-060000	CAP NUT M 6	1							
27	1	23297-060081	RETAINER, A6X8	1							
28	1	23414-120000	GASKET 12, ROUND	2							
29	1	23854-060000	JOINT BOLT 6	1							
30	1	126443-91050	GAUGE CMP	1							
32	2	23314-060000	JOINT 6	1							
33	2	23824-060000	CAP NUT M 6	1							
34	2	43554-001441	UNION	1							
35A	1	126443-91060	GAUGE CMP	1							1
35B	1	126443-91070	PIPE, WATER GAUGE CM	1							2
37	2	23314-060000	JOINT 6	1							
38	2	23344-060000	JOINT, PIPE 6X12	1							
39	2	23824-060000	CAP NUT M 6	1							
40	1	23297-060121	RETAINER, A6X12	2							
41	1	23414-120000	GASKET 12, ROUND	2							
42	1	23854-060000	JOINT BOLT 6	1							
43	1	119620-49290	COCK ASSY	1							W



	(A=EZZZZZ)				
47	1	43600-030772	NEEDLE VALVE	1	W
	(A=EZZZZZ)				
47-1	1	43600-030773	VALVE, NEEDLE	1	N
	(A=EZZZZZ)				

Fig.75.(52A)INSTRUMENT PANEL(W/FUEL OIL PRESSURE GAUGE SPEC.)



- Remarks
- (1)2-circuit fresh/sea water cooling spec.
 - (2)2-circuit fresh/fresh water cooling spec.
 - (3)Electric starting spec.
 - (4)Air starting spec.
 - (5)For 1200min-1
 - (6)For 1500min-1
 - (7)For 1800min-1
 - (8)Generator spec.

75.(52A)INSTRUMENT PANEL(W/FUEL OIL PRESSURE GAUGE SPEC.)

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	42130-001270	CONNECTOR	1							
2	1	42130-400240	SHAFT(600),FLEXIBLE	1							
3	1	122117-39150	PACKING D11.5,RD.	4							
4	1	139653-91170	CONNECTOR	4							
5	1	137600-91302	VALVE, PRESSURE CAUG	4							
6	1	22217-040000	SPRING WASHER 4	12							
7	1	26557-040122	SCREW, M4X12	12							
8	1	26717-040002	NUT 4	12							
9	1	28886-020000	GAUGE, PRESS 0.25MPA	2							1
9A	1	28886-020000	GAUGE, PRESS 0.25MPA	1							2
10	1	28886-040720	PRESSURE GAUGE	1							1
10A	1	28886-040720	PRESSURE GAUGE	2							2
11	1	28886-103040	PRESSURE GAUGE	1							
12	1	26106-100202	BOLT M10X20 PLATED	4							
13	1	42150-555850	BRACKET	1							
14	1	137600-91021	ABSORBER,SHOCK	4							3
14-1	1	137600-91023	PAD(RUBBER)	4							R 3
(A=EZZZZZ)											
15	1	22217-060000	SPRING WASHER 6	8							3
16	1	22217-100000	SPRING WASHER 10	4							3
17	1	26106-060142	BOLT M 6X 14 PLATED	8							3
18	1	26106-100302	BOLT M10X30 PLATED	4							3
19	1	26366-060002	NUT M 6	8							3
20	1	26706-100002	NUT M10	4							3
21	1	42150-556130	BODY,GAUGE BOARD	1							3
22	1	137600-91021	ABSORBER,SHOCK	4							4
22-1	1	137600-91023	PAD(RUBBER)	4							R 4
(A=EZZZZZ)											
23	1	22217-060000	SPRING WASHER 6	8							4
24	1	22217-100000	SPRING WASHER 10	4							4
25	1	26106-060142	BOLT M 6X 14 PLATED	8							4
26	1	26106-100302	BOLT M10X30 PLATED	4							4
27	1	26366-060002	NUT M 6	8							4
28	1	26706-100002	NUT M10	4							4
29	1	42150-555510	BODY,GAUGE PANEL	1							4
30	1	122117-39150	PACKING D11.5,RD.	1							
31	1	139653-91170	CONNECTOR	1							
32	1	137600-91302	VALVE, PRESSURE CAUG	1							
33	1	137900-91451	RVET	2							
34	1	22217-040000	SPRING WASHER 4	3							
35	1	26557-040122	SCREW, M4X12	3							
36	1	26717-040002	NUT 4	3							
37	1	28886-100000	GAUGE, PRESSURE	1							
38	1	42221-007780	LABEL,FO.	1							
39	1	42130-551300	TACHOMETER	1							5
40	1	42130-551560	TACHOMETER 1500RPM	1							6
41	1	42130-550900	TACHOMETER	1							7
42	1	46150-001150	SWITCH	1							3
43	1	46150-500470	PILOT LAMP	1							8



- (1)Electric starting spec.
- (2)Air starting spec.
- (3)Generator spec.
- (4)2-circuit fresh/sea water cooling spec.
- (5)2-circuit fresh/fresh water cooling spec.
- (6)S.I.unit parts
- (7)For 1200min-1
- (8)For 1500min-1
- (9)For 1800min-1

Q'TY

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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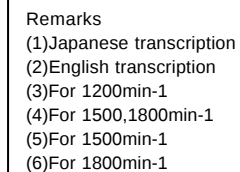


- (1)Electric starting spec.
- (2)Air starting spec.
- (3)Generator spec.
- (4)2-circuit fresh/sea water cooling spec.
- (5)2-circuit fresh/fresh water cooling spec.
- (6)S.I.unit parts
- (7)For 1200min-1
- (8)For 1500min-1
- (9)For 1800min-1

(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
28	1	138613-91150	CONNECTOR	1						Z	
(A=EXXXXX)											

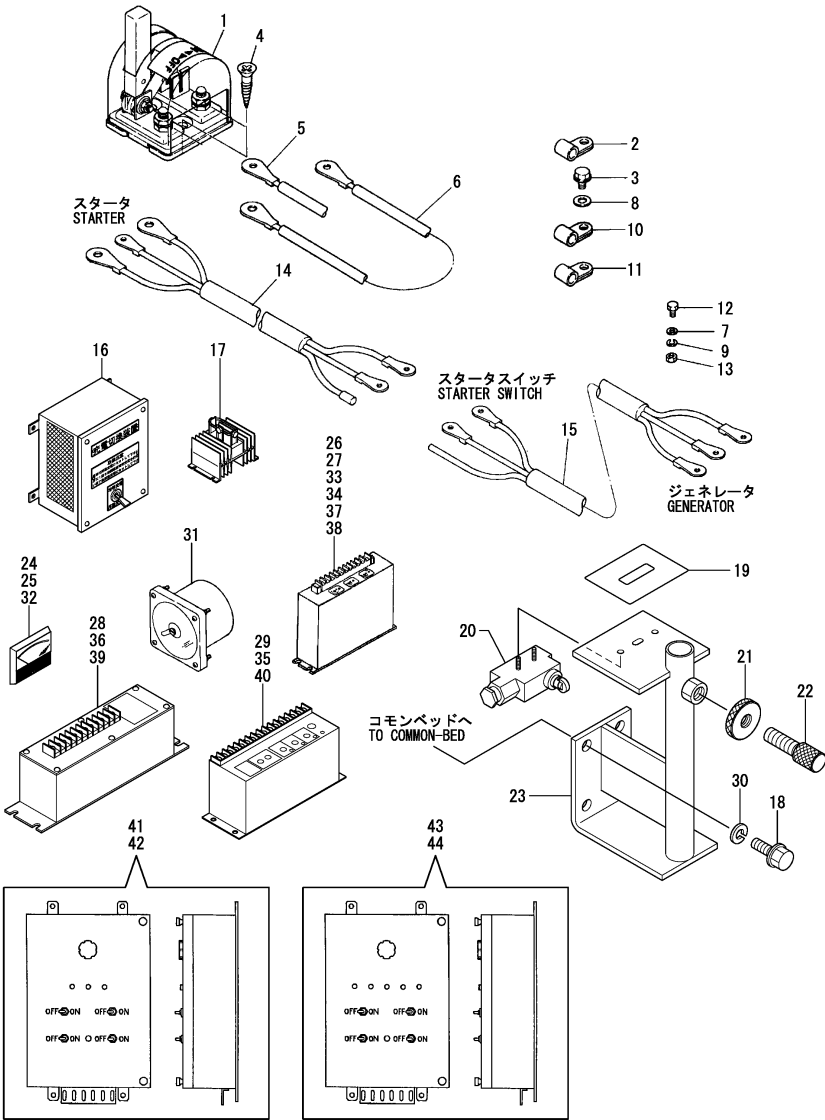
N:Old ☐ Yes ☒ No New, Q:Old ☐ No ☒ Yes New, R:Old ☐ Yes ☒ No New, S:Old ☐ No ☒ Yes New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Q'TY

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
 ++ CONTINUE ++
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Fig.51.BATTELY SWITCH & CABLE

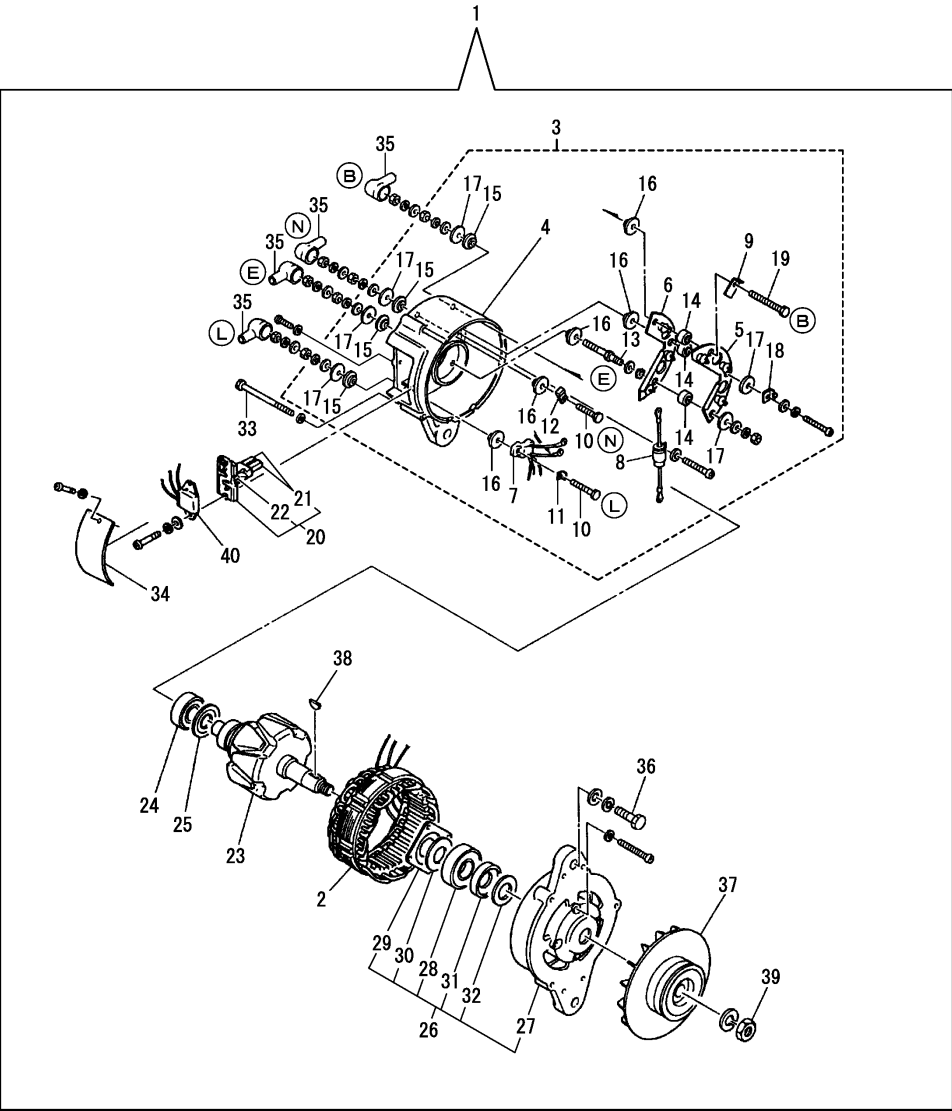


- Remarks
- (1)Japanese transcription
 - (2)English transcription
 - (3)For 1200min-1
 - (4)For 1500,1800min-1
 - (5)For 1500min-1
 - (6)For 1800min-1

51.BATTELY SWITCH & CABLE

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
31	1	46150-402461 (A=EXXXXX)	RECEIVER, TACHOMETER	1						W	
32	1	46150-556390 (A=EXXXXX)	TACHOMETER	1						W	4
32-1	1	46150-556391 (A=EZZZZZ)	RECEIVER, TACHOMETER	1						N	4
33	1	46111-553950 (A=EXXXXX)	RELAY, SPEED	1						W	
33-1	1	46111-553950	RELAY, SPEED	1						Z	
34	1	46111-553990 (A=EXXXXX)	RELAY, SPEED	1						W	
34-1	1	46111-553990 (A=EXXXXX)	RELAY, SPEED	1						Z	
35	1	46111-564890	RELAY,SPEED	1						W	5
36	1	46111-561910 (A=EXXXXX)	RELAY 1500 CELL	1						W	5
37	1	46111-553960 (A=EXXXXX)	RELAY, SPEED	1						W	
37-1	1	46111-553960	RELAY, SPEED	1						Z	
38	1	46111-554000 (A=EXXXXX)	RELAY,SPEED	1						W	
38-1	1	46111-554000 (A=EXXXXX)	RELAY,SPEED	1						Z	
39	1	46111-561920 (A=EXXXXX)	RELAY,SPEED	1						W	6
40	1	46111-564900 (A=EXXXXX)	RELAY,SPEED	1						W	6
41	1	46141-552350 (A=EXXXXX)	PANEL,ALARM DC24V	1						W	1
42	1	46141-552360 (A=EXXXXX)	PANEL,ALARM DC24V	1						W	2
43	1	46141-552430 (A=EXXXXX)	PANEL,ALARM DC24V	1						W	1
44	1	46141-552440 (A=EXXXXX)	PANEL,ALARM DC24V	1						W	2

Fig.50.GENERATOR COMPONENT PARTS



50.GENERATOR COMPONENT PARTS

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	144626-77201	ALTERNATOR	1							
2	2	X121100320	STATOR ASSY	1							
3	2	X123015301	BRACKET ASSY,REAR	1							
4	3	X224015400	BRACKET,REAR	1							
5	3	X123500010	HEAT SINK ASSY	1							
6	3	X123500110	HEAT SINK ASSY	1							
7	3	X123902560	CIRCUIT ASSY	1							
8	3	X190602900	CONDENSER ASSY	1							
9	3	X322002300	SUPPORT	1							
10	3	X8160050409	BOLT	2							
11	3	X322027600	SUPPORT	1							
12	3	X421500800	INSULATOR	1							
13	3	X501021000	BOLT	1							
14	3	X421500400	INSULATOR	3							
15	3	X404100200	IF BUSHING	4							
16	3	X404108000	IF BUSHING	5							
17	3	X403000100	WASHER	6							
18	3	X322031600	HOLDER	1							
19	3	X8160050509	BOLT	1							
20	2	X123104800	BRUSH HOLDER ASSY	1							
21	3	X266000110	BRUSH	2							
22	3	X521000110	SPRING, BRUSH	2							
23	2	X122105800	ROTOR ASSY	1							
24	2	X620600760	BALL BEARING	1							
25	2	X340900210	COVER	1							
26	2	X124006301	BRACKET ASSY,FRONT	1							
27	3	X224206901	BRACKET, FRONT	1							
28	3	X620600710	BALL BEARING	1							
29	3	X340100410	COVER, BEARING	1							
30	3	X340900500	COVER	1							
31	3	X340900400	COVER	1							
32	3	X414000000	FELT	1							
33	2	X501016110	BOLT	3							
34	2	X340005110	COVER	1							
35	2	X410100810	CAP	4							
36	2	X8160100305	BOLT	1							
37	2	X198010300	PULLEY ASSY	1							
38	2	X8590407160	WOODRUFF KEY	1							
39	2	X8264143005	NUT	1							
40	2	X129100300	REGULATOR	1							

Fig.49.GENERATOR

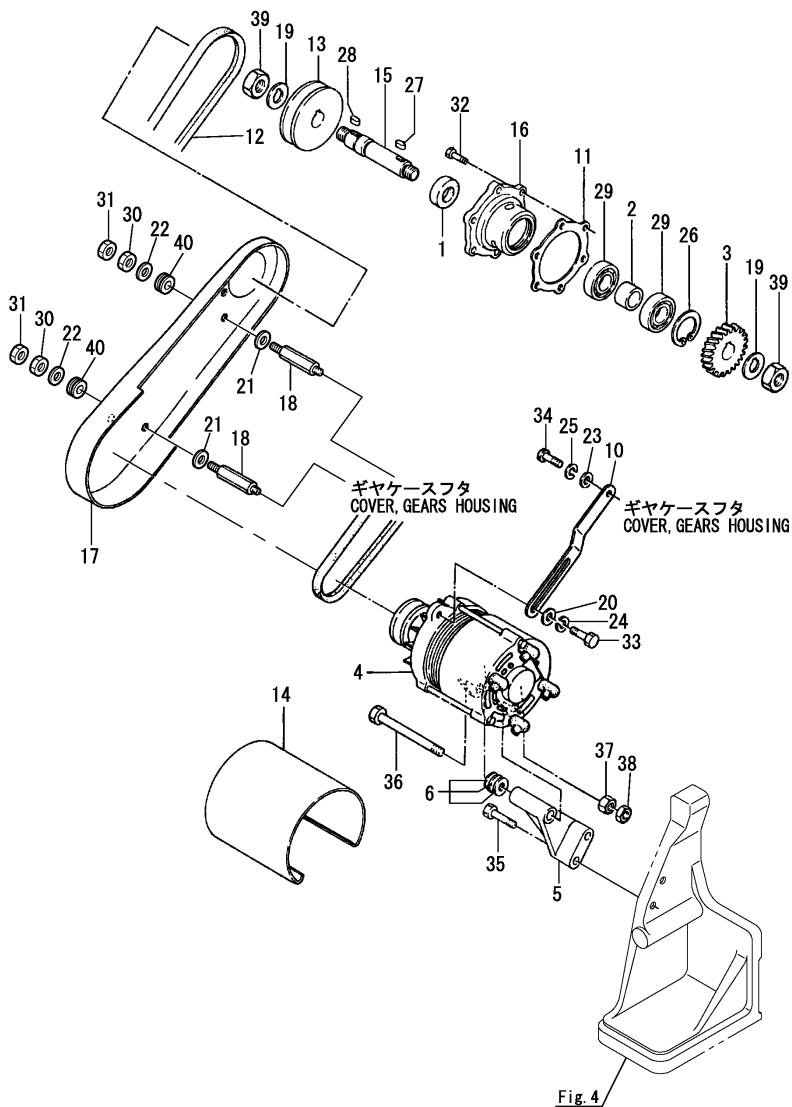


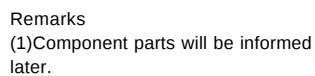
Fig. 4

49.GENERATOR

(A)=4HAL2-TN(1)
(B)=
(C)=

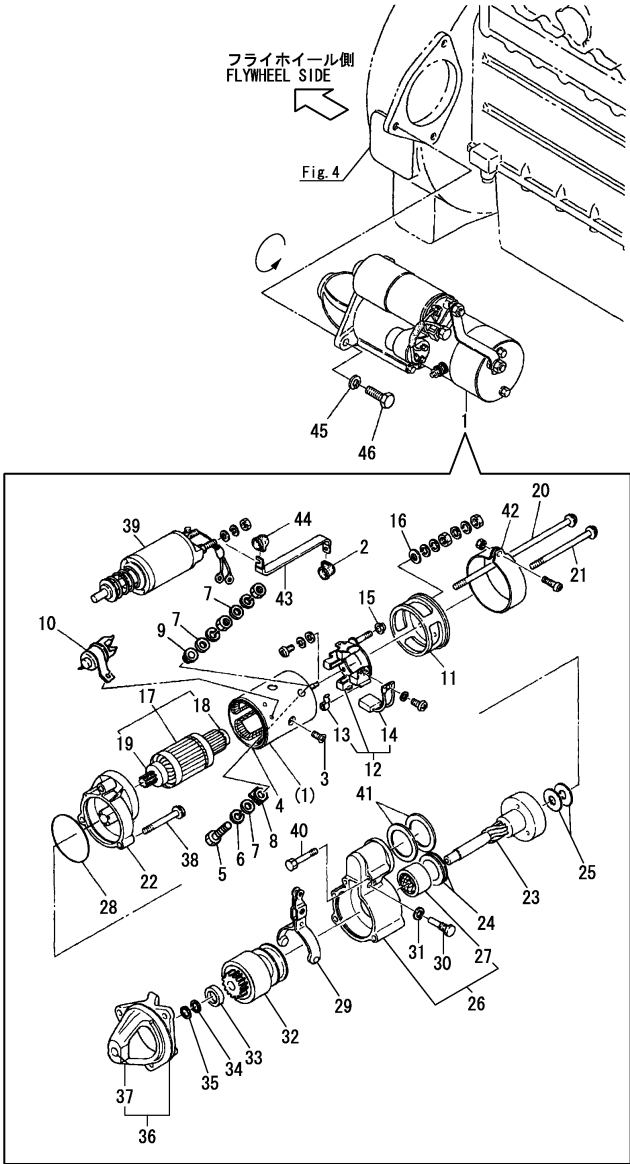
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	136600-42480	OIL SEAL TC304508	1							
2	1	126630-43330	SPACER	1							
3	1	126630-43450	GEAR	1							
4	1	144626-77201	ALTERNATOR	1							
5	1	126630-77250	BRACKET, GENERATOR	1							
6	1	122410-77280	SHIM SET	1							
10	1	126660-77330	ADJUSTER, BELT	1							
11	1	126630-77362	GASKET, CASE	1							
12	1	25132-004300	V-BELT	1							
12-1	1	25132-004200	V-BELT A42	1							N
(A=*1999.11)											
13	1	126630-77410	V-PULLEY	1							
14	1	123325-77450	BRACKET, STARTER	1							
15	1	126630-77450	SHAFT	1							
16	1	126630-77460	CASE	1							
17	1	126660-77800	COVER	1							
18	1	126660-77820	BOLT	4							
19	1	122310-83410	WASHER	2							
20	1	22137-080000	WASHER 8, POLISHED	1							Z
(A=EXXXXX)											
21	1	22137-080000	WASHER 8, POLISHED	4							
22	1	22137-080000	WASHER 8, POLISHED	4							
23	1	22137-100000	WASHER 10,POLISHED	1							
24	1	22217-080000	WASHER, 8	1							
25	1	22217-100000	SPRING WASHER 10	1							
26	1	22252-000520	CIRCLIP 52	1							
27	1	22512-070140	KEY, 7X14	1							
28	1	22512-070140	KEY, 7X14	1							
29	1	24101-062054	BEARING #6205	2							
30	1	26716-080002	NUT M 8	4							
31	1	26756-080002	LOCK NUT M 8 PLATED	4							
32	1	26106-080252	BOLT M 8X 25 PLATED	6							
33	1	26106-080602	BOLT M 8X 60 PLATED	1							
34	1	26106-100302	BOLT M10X 30 PLATED	1							
35	1	26106-100402	BOLT M10X 40 PLATED	2							
36	1	26116-121202	BOLT M12X120 PLATED	1							
37	1	26716-120002	NUT 12	1							
38	1	26756-120002	LOCK NUT 12	1							
39	1	26776-200002	LOCK NUT 20	2							
40	1	29311-091000	GROMMET 8.5X1	4							



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
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Fig.48.STARTING MOTOR(UP TO EZZZZZ)

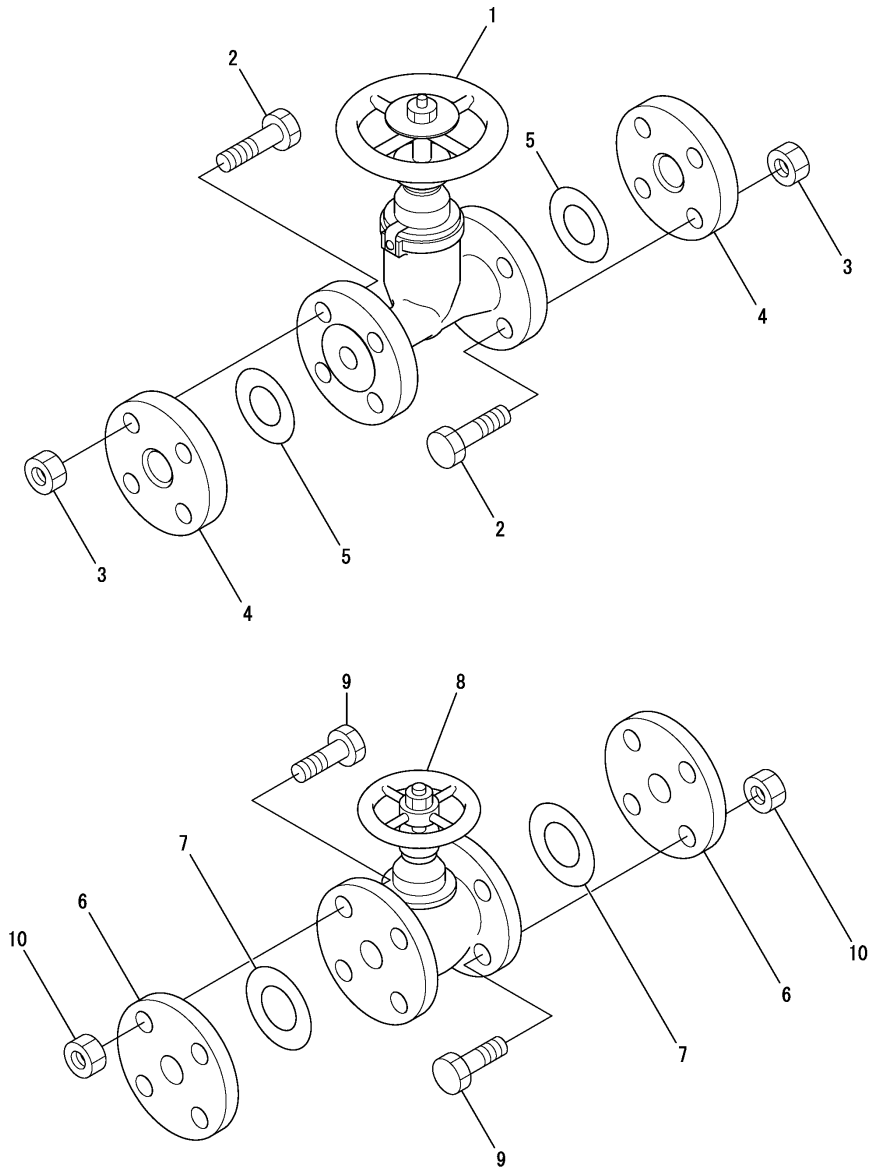


Remarks
(1)Component parts will be informed later.

48.STARTING MOTOR(UP TO EZZZZZ)

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126450-77020	STARTER	1							
1-1	1	126650-77040	STARTER	1						R	1
(A=EZZZZZ)											
2	2	X410105900	CAP	1							
3	2	X500008300	SCREW	4							
4	2	X131607700	FILD COIL	1							
5	2	X501018700	BOLT	1							
6	2	X502200600	NUT	1							
7	2	X503002110	WASHER	3							
8	2	X404104600	IF BUSING	1							
9	2	X404104700	IF BUSING	1							
10	2	X0590011085	RELAY	1							
11	2	X224013910	BRACKET	1							
12	2	X133103200	HOLDER WBRUSH	1							
13	3	X525002200	SPRING, BRUSH	4							
14	3	X266005700	BRUSH	4							
15	2	X404106000	IF BUSING	1							
16	2	X403005700	WASHER	1							
17	2	X132006101	ARMATURE ASSY	1							
18	3	X620600500	BALL BEARING	1							
19	3	X620600540	BALL BEARING	1							
20	2	X501021380	BOLT	1							
21	2	X501021370	BOLT	1							
22	2	X224500201	HOUSING, GEARS	1							
23	2	X244100100	SHAFT	1							
24	2	X503105200	SHIM	1							
25	2	X503105100	SHIM	1							
26	2	X224405000	BRACKET	1							
27	3	X262009300	BEARING	1							
28	2	X641402800	O-RING	1							
29	2	X137203500	LEVER ASSY	1							
30	2	X501021400	BOLT	1							
31	2	X305102300	LOCK PLATE	1							
32	2	X136102700	PINION ASSY	1							
33	2	X366101900	STOPPER	1							
34	2	X522101000	RITEANER	2							
35	2	X505804100	RING	1							
36	2	X224601601	CASE	1							
37	3	X262009600	BEARING	1							
38	2	X501021310	BOLT	2							
39	2	X135008920	SWITCH ASSY.	1							
40	2	X501019020	BOLT	2							
41	2	X300111600	D-PLATE	1							
42	2	X133801600	BAND ASSY	1							
43	2	X242514200	BAR ASSY	1							
44	2	X410103000	CAP	1							
45	1	22217-140000	SPRING WASHER 14	3							
46	1	26156-140352	BOLT M14X 35 PLATED	3							

Fig.73.(47C)AIR INTERMEDIATE VALVE



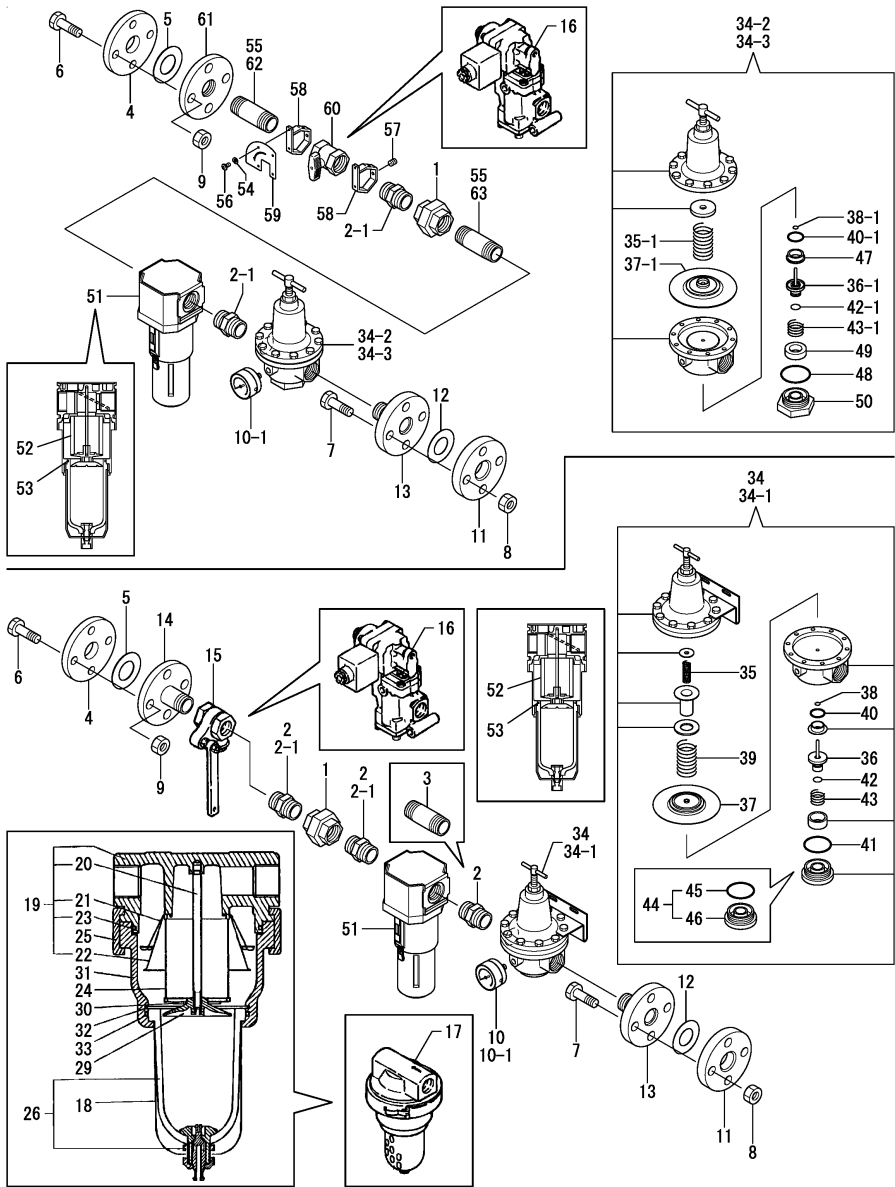
73.(47C)AIR INTERMEDIATE VALVE

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	23573-400250	VALVE,GLOBE 25A	1							
2	1	26116-160652	BOLT M16X 65 PLATED	8							
3	1	26716-160002	NUT M16	8							
4	1	43310-001650	FLANGE,ROUND	2							
5	1	43416-040770	PACKING,RD.	2							
6	1	23231-025034	FLANGE	2							
7	1	23454-025000	PACKING	2							
8	1	23514-100250	VALVE, GLOBE	1							
9	1	26116-160502	BOLT M16X 50 PLATED	8							
10	1	26716-160002	NUT M16	8							

Fig.72.(47B)AIR STARTING CONTROL UNIT



Remarks
(1)Engine side air control spec.
(2)Remote air control spec.
(3)Interchangeable by simultaneous replacement with No.3.

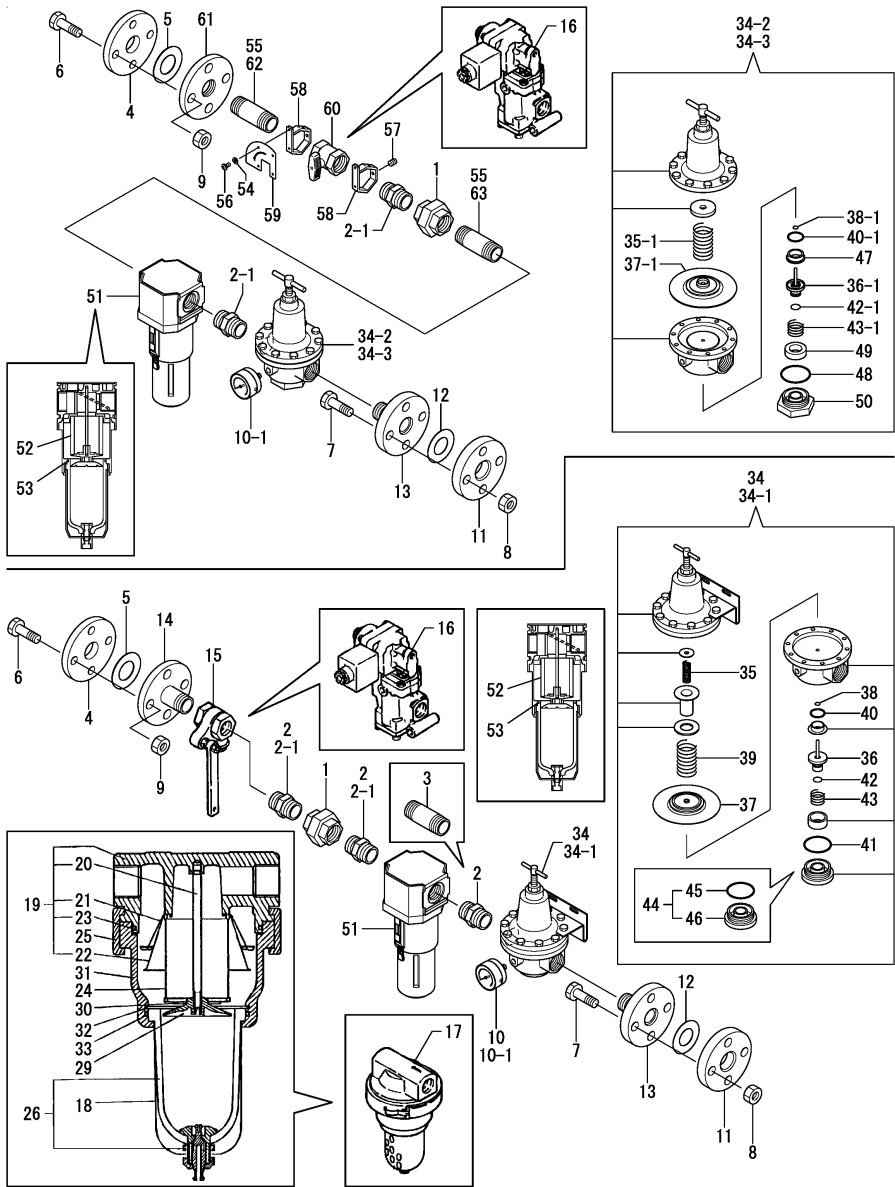
72.(47B)AIR STARTING CONTROL UNIT

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	23152-100000	UNION	1							
2	1	23163-100000	NIPPLE, PT1	3							
2-1	1	23163-100000	NIPPLE, PT1	2							K
(A=EXXXXX)											
3	1	43711-572250	NIPPLE	1							W
(A=*2000.12)											
3-1	1	43711-572250	NIPPLE	1							Z
(A=EZZZZZ)											
4	1	23231-025034	FLANGE	1							
5	1	23454-025000	PACKING	1							
6	1	26116-160502	BOLT M16X50 PLATED	4							
7	1	26116-160602	BOLT M16X60 PLATED	4							
8	1	26716-160002	NUT M16	4							
9	1	26716-160002	NUT M16	4							
10	1	42130-552360	PRESSURE GAUGE	1							
10-1	1	42130-552361	PRESSURE GAUGE	1							N
(A=EZZZZZ)											
11	1	43311-000440	FLANGE	1							
12	1	43416-035670	PACKING	1							
13	1	43711-556700	JOINT	1							
14	1	43711-557800	JOINT	1							Z
(A=EXXXXX)											
15	1	44100-002790	VALVE	1							Z 1
(A=EZZZZZ)											
16	1	46116-552601	SOLENOID VALVE	1							2
17	1	44100-550410	FILTER	1							Z
(A=*2000.12)											
18	2	XNAF610X25	BALL GUARD	1							
19	2	XNAF610X8	BODY	1							
20	3	XNAF610X9	ROD	1							
21	3	XNAF610X10	ROVER	1							
22	3	XNAF610X11	DEFLECTOR	1							
23	3	XNAF610X2	O RING	1							
24	2	XNAF610X3	ELEMENT	1							
25	2	XNAF610X5	RING, CLUMP	1							
26	2	XNAF610X6	BALL	1							
29	2	XNAF610X13	DISC	1							
30	2	XNAF610X20	BODY	1							
31	2	XNAF610X21	RETAINER	1							
32	2	XNAF610X22	O RING	1							
33	2	XNAF610X23	GASKET	1							
34	1	44100-555540	VALVE, REGULATOR	1							
34-1	1	44100-555541	REGULATOR VALVE	1							N
(A=EZZZZZ)											
34-2	1	44100-555542	PRESSREDUCING VALVE	1							R
(A=EZZZZZ)											
34-3	1	44100-555543	PRESSREDUCING VALVE	1							N
(A=EZZZZZ)											
35	2	44100-554070	SPRING	1							
35-1	2	44100-555850	CONTROLLER, SPRING	1							S
(A=EZZZZZ)											

Fig.72.(47B)AIR STARTING CONTROL UNIT



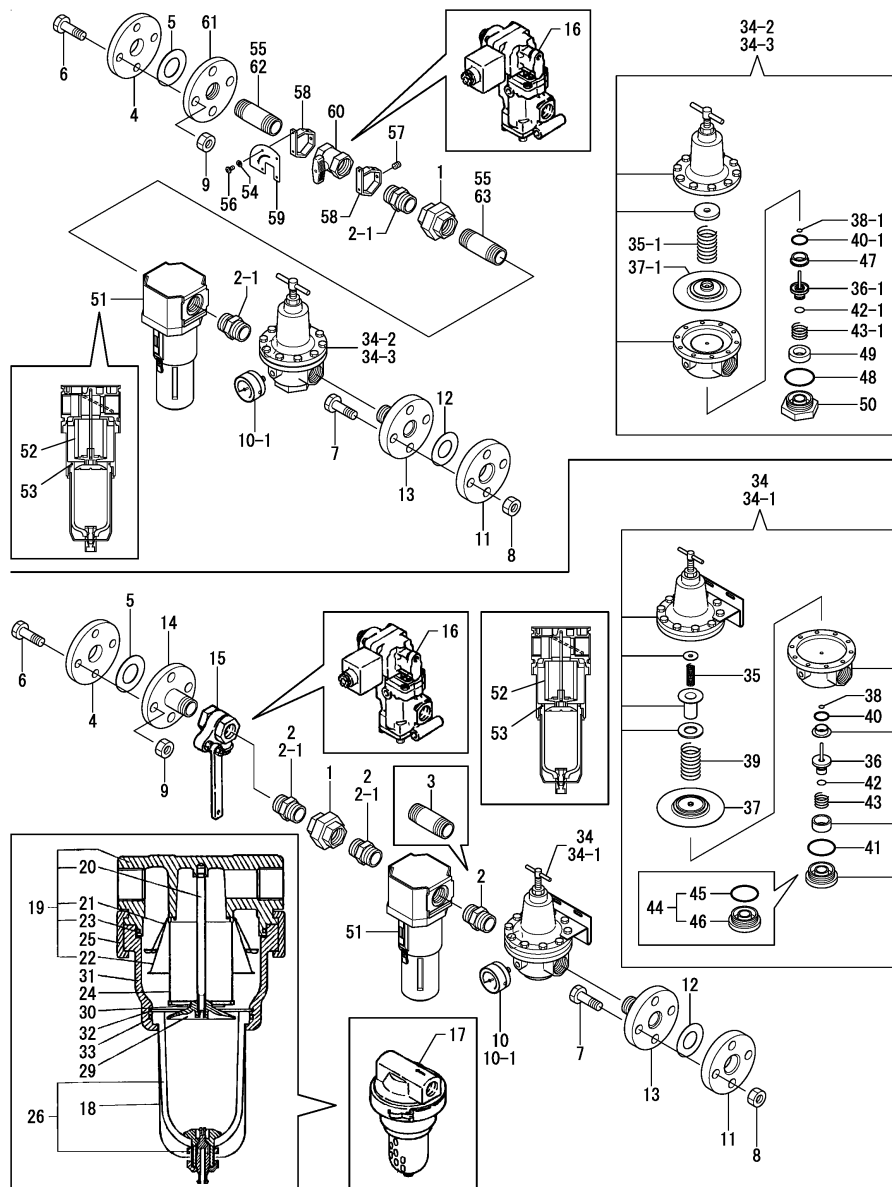
Remarks
(1)Engine side air control spec.
(2)Remote air control spec.
(3)Interchangeable by simultaneous replacement with No.3.

72.(47B)AIR STARTING CONTROL UNIT

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
36	2	44100-555570	VALVE	1							
36-1	2	44100-555950	VALVE ASSY	1						S	
(A=EZZZZZ)											
37	2	44100-554420	DIAPHRAGM	1							
37-1	2	44100-555860	DIAPHRAGM ASSY	1						S	
(A=EZZZZZ)											
38	2	44100-555290	O-RING	1							
38-1	2	44100-555990	O-RING,P5	1						N	
(A=EZZZZZ)											
39	2	44100-554080	SPRING	1						Z	
(A=EZZZZZ)											
40	2	44100-555300	O-RING	1							
40-1	2	44100-555890	O-RING	1						S	
(A=EZZZZZ)											
41	2	44100-555320	O-RING	1						Z	
(A=EZZZZZ)											
42	2	44100-555340	O-RING	1							
42-1	2	44100-555940	O-RING	1						S	
(A=EZZZZZ)											
43	2	44100-554090	SPRING	1							
43-1	2	44100-555920	SPRING, VALVE	1						S	
(A=EZZZZZ)											
44	2	44100-555830	PLUG GUIDE ASSY	1						W	
(A=EZZZZZ)											
44-1	2	44100-555830	PLUG GUIDE ASSY	1						Z	
(A=EZZZZZ)											
45	3	44100-555320	O-RING	1						W	
(A=EZZZZZ)											
45-1	3	44100-555320	O-RING	1						Z	
(A=EZZZZZ)											
46	3	44100-555820	PLUG, VALVE GUIDE	1						W	
(A=EZZZZZ)											
46-1	3	44100-555820	PLUG, VALVE GUIDE	1						Z	
(A=EZZZZZ)											
47	2	44100-555880	SEAT, VALVE	1						W	
(A=EZZZZZ)											
48	2	44100-555900	O-RING,P48	1						W	
(A=EZZZZZ)											
49	2	44100-555910	STRAINER	1						W	
(A=EZZZZZ)											
50	2	44100-555930	PLUG	1						W	
(A=EZZZZZ)											
51	1	44100-019880	AIR FILTER	1						W	3
(A=*2000.12)											
52	2	44100-019910	ELEMENT(AIR	1						W	
(A=*2000.12)											
53	2	44100-019920	O-RING	1						W	
(A=*2000.12)											
54	1	22217-030000	WASHER, SPRING 3	4						W	1
(A=EZZZZZ)											
55	1	23751-100907	NIPPLE	2						W	1

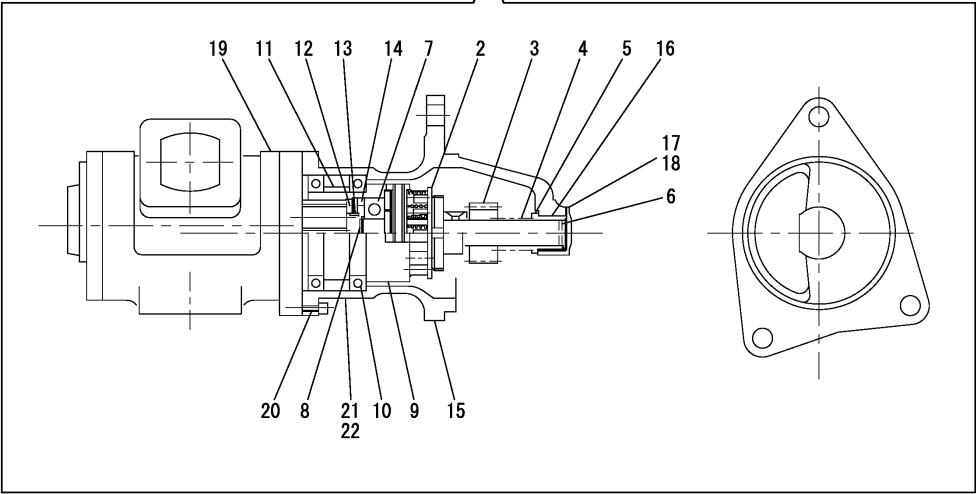
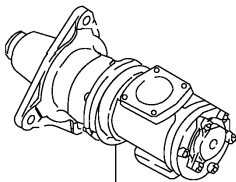


- (1)Engine side air control spec.
- (2)Remote air control spec.
- (3)Interchangeable by simultaneous replacement with No.3.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
56	(A=EZZZZZ)										
	1	26557-030062	SCREW, M3X6	4						W	1
57	(A=EZZZZZ)										
	1	26979-050062	SCREW	4						W	1
58	(A=EZZZZZ)										
	1	42215-591100	BRACKET(NAME PLATE	2						W	1
59	(A=EZZZZZ)										
	1	42221-556830	NAME PLATE(QUICK VAL	1						W	1
60	(A=EZZZZZ)										
	1	43600-557240	LENS VALVE	1						W	1
61	(A=EZZZZZ)										
	1	43310-550740	FLANGE 10K 25A	1						W	
62	(A=EXXXXX)										
	1	23751-100657	NIPPLE	1							2
63		43711-572250	NIPPLE	1							2

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
(C)Copy Rights YANMAR CO.,LTD.

Fig.57.(47A)AIR STARTER COMPONENT PARTS



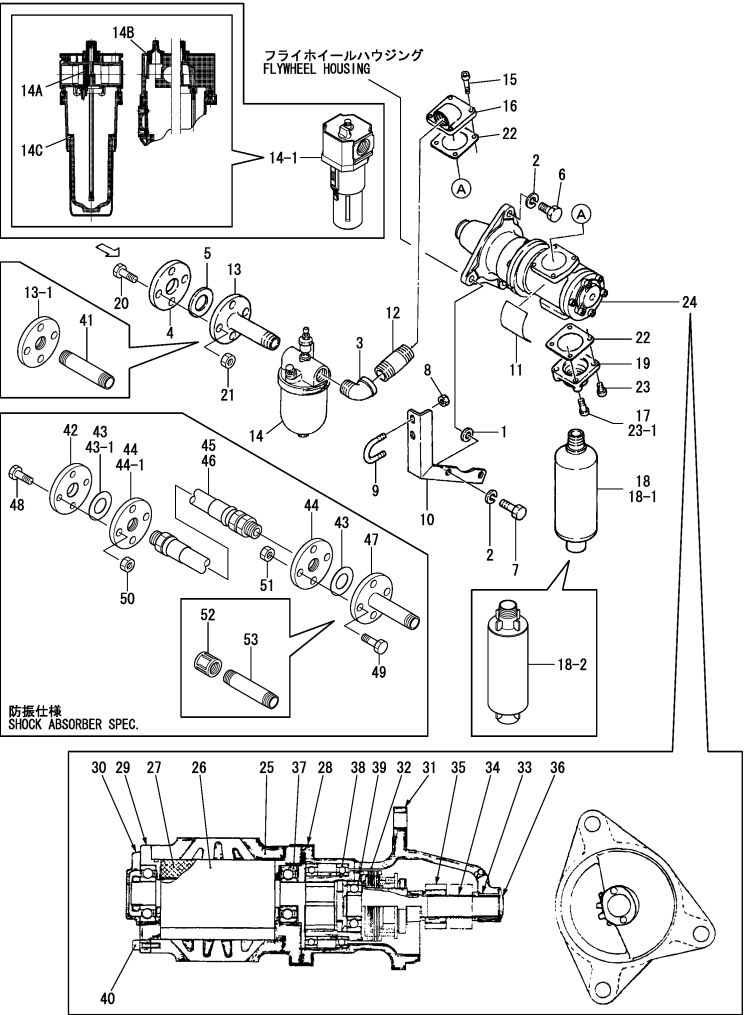
57.(47A)AIR STARTER COMPONENT PARTS

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	44100-563011	STARTER, AIR	1							
2	2	44100-560301	SHAFT ASSY (AIR STAR	1							
3	2	44100-563811	PINION	1							
4	2	44100-563781	SPRING, RETURN	1							
5	2	44100-563861	STOPPER, PINION	1							
6	2	22351-050025	SPRING PIN 5X25	1							
7	2	44100-563690	BEARING, AIR CLEANER	1							
8	2	22242-000220	CIRCLIP 22	1							
9	2	44100-563620	GEAR	1							
10	2	44100-563610	BEARING, AIR CLEANER	2							
11	2	44100-563630	SPACER	1							
12	2	44100-563640	SPRING, LEAF	4							
13	2	44100-563650	SEAT, SPRING	1							
14	2	44100-563660	RETAINER, SPRING	1							
15	2	44100-563510	MOUNTING	1							
16	2	44100-563880	BUSH	1							
17	2	44100-563890	CAP	1							
18	2	44100-563910	SCREW 3X 8, PLATED	2							
19	2	44100-563151	ROTOR MAIN CASE ASSY	1							
20	2	26450-060202	BOLT M 6X 20	6							
21	2	44100-563922	LABEL (R), MODEL	1							
22	2	137900-91450	RIVET	4							

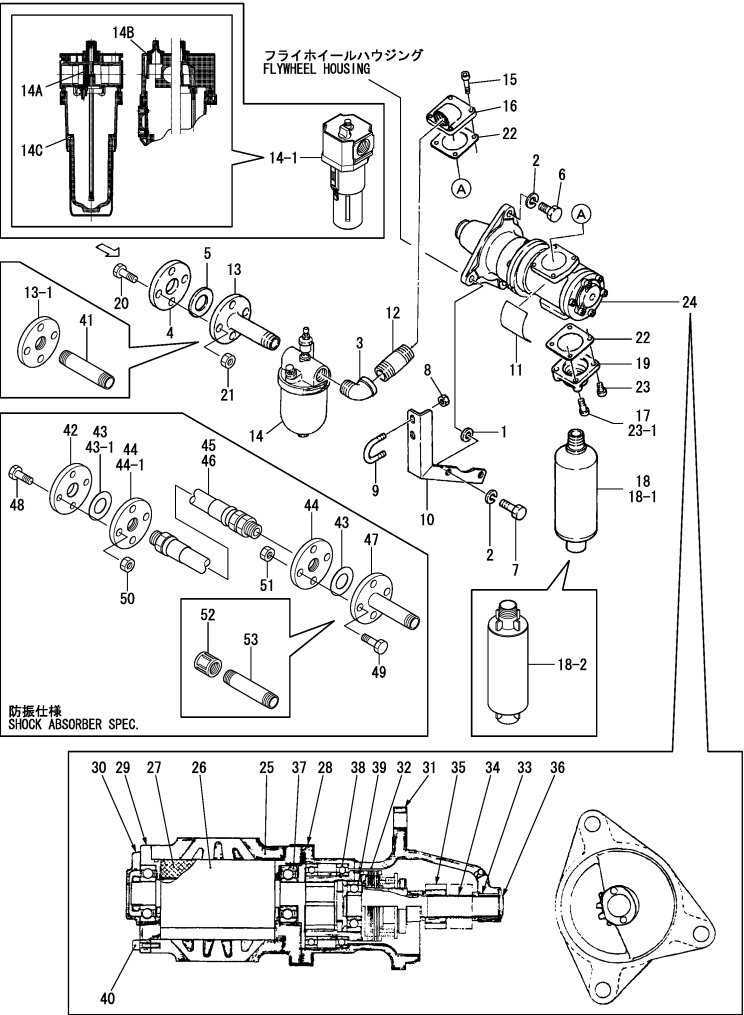
Fig.47.AIR STARTER



Remarks
(1)Component parts were changed.
Please refer to Fig.47A.
(2)Common-bed fix spec.
(3)Shock absorber spec.
(4)Shock absorber spec.
(In-house inspection,jg)
(5)Shock absorber spec.
(NK,AB,LR,BV,NV)
(6)Common-bed fix spec.
Interchangeable by simultaneous
replacement with No.13-1 and 41.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	22137-140000	WASHER 14POLISHED	2							
2	1	22217-140000	SPRING WASHER 14	3							
3	1	23112-100000	FLANGE	1							
4	1	23231-025034	FLANGE	1							2
5	1	23454-025000	PACKING	1							2
6	1	26156-140352	BOLT M14X 35 PLATED	1							
7	1	26156-140452	BOLT M14X 45 PLATED	2							
8	1	26366-080002	NUT M 8	2							
9	1	26464-025000	U-BOLT E-25	1							
10	1	42215-575810	SUPPORT	1							
11	1	42221-551782	PLATE	1							
12	1	43711-555760	PIPE	1							
13	1	43711-559460	JOINT	1							2
13-1	1	43310-550740	FLANGE 10K 25A	1							S 6
(A=EZZZZZ)											
14	1	44100-551340	OILER	1							
14-1	1	44100-019900	OILER	1							N
(A=*2000.10)											
14A	2	44100-019930	GUIDE, OILER	1							W
(A=*2000.10)											
14B	2	44100-019940	O-RING, OILER	1							W
(A=*2000.10)											
14C	2	44100-019950	O-RING, OILER	1							W
(A=*2000.10)											
15	1	26450-060202	BOLT M6X20	4							
16	1	44100-563330	FRANGE	1							
17	1	26450-060352	BOLT M6X35	2							Z
(A=*1999.05)											
18	1	43100-552880	SILENCER	1							
18-1	1	43100-552881	SILENCER	1							N
(A=EZZZZZ)											
18-2	1	43100-552882	SILENCER	1							R
(A=EZZZZZ)											
19	1	44100-563380	FRANGE	1							
19-1	1	44100-555750	BEND	1							N
(A=*1999.05)											
20	1	26116-160452	BOLT M16X 45 PLATED	4							2
21	1	26716-160002	NUT M16	4							2
22	1	44100-563411	GASKET	2							
23	1	26450-060202	BOLT M6X20	2							
23-1	1	26450-060202	BOLT M6X20	4							K
(A=*1999.05)											
24	1	44100-563011	STARTER, AIR	1							Z 1
(A=EZZZZZ)											
25	2	44100-563210	CASE	1							
26	2	44100-563251	ROTOR	1							
27	2	44100-563270	BLADE	6							
28	2	44100-563281	PLATE	1							
29	2	44100-563291	PLATE	1							
30	2	44100-563311	COVER	1							
31	2	44100-563510	MOUNTING	1							

Fig.47.AIR STARTER

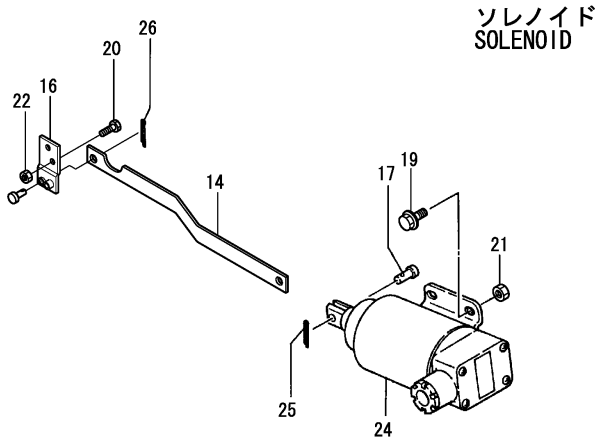
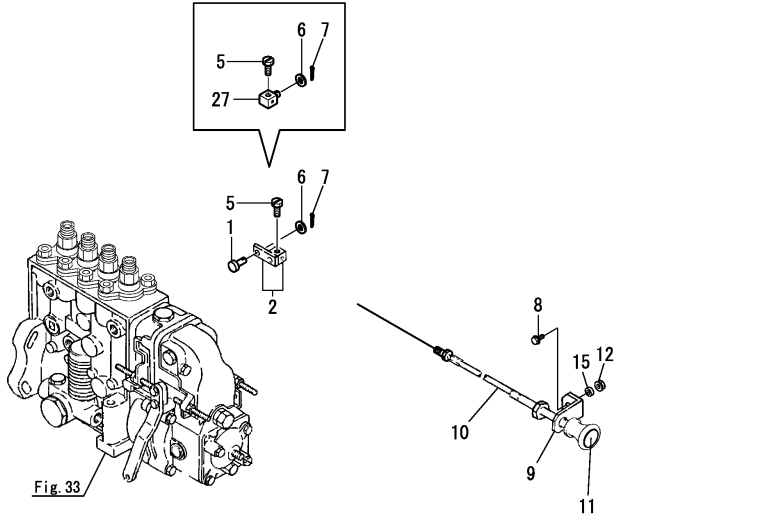


Remarks
(1)Component parts were changed.
Please refer to Fig.47A.
(2)Common-bed fix spec.
(3)Shock absorber spec.
(4)Shock absorber spec.
(In-house inspection,jg)
(5)Shock absorber spec.
(NK,AB,LR,BV,NV)
(6)Common-bed fix spec.
Interchangeable by simultaneous
replacement with No.13-1 and 41.

47.AIR STARTER

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
32	2	44100-563620	GEAR	1							
33	2	44100-563670	SHAFT,PINION	1							
34	2	44100-562780	SPRING	1							
35	2	44100-563810	PINION	1							
36	2	44100-563890	CAP	1							
37	2	24107-063054	BALL BEARING	2							
38	2	44100-563610	BEARING, AIR CLEANER	2							
39	2	44100-563690	BEARING, AIR CLEANER	1							
40	2	26450-060202	BOLT M6X20	12							
41	1	23751-101507	NIPPLE 1 *150	1						W	6
(A=EZZZZZ)											
42	1	23231-025034	FLANGE	1							3
43	1	23454-025000	PACKING	2							3
43-1	1	23454-025000	PACKING	1						K	3
(A=EZZZZZ)											
44	1	43310-550740	FLANGE 10K 25A	2							3
44-1	1	43310-550740	FLANGE 10K 25A	1						K	3
(A=EZZZZZ)											
45	1	43720-557240	PIPE	1							4
46	1	43720-555880	FLEXIBLE PIPE	1							5
47	1	43711-559460	JOINT	1						Z	3
(A=EZZZZZ)											
48	1	26116-160452	BOLT M16X45 PLATED	4							3
49	1	26116-160502	BOLT M16X50 PLATED	4						Z	3
(A=EZZZZZ)											
50	1	26716-160002	NUT M16	4							3
51	1	26716-160002	NUT M16	4						Z	3
(A=EZZZZZ)											
52	1	23131-100000	SOCKET PT 1	1							3
(A=EZZZZZ)											
53	1	23751-101507	NIPPLE 1 *150	1							3
(A=EZZZZZ)											

Fig.46.ENGINE STOP DEVICE

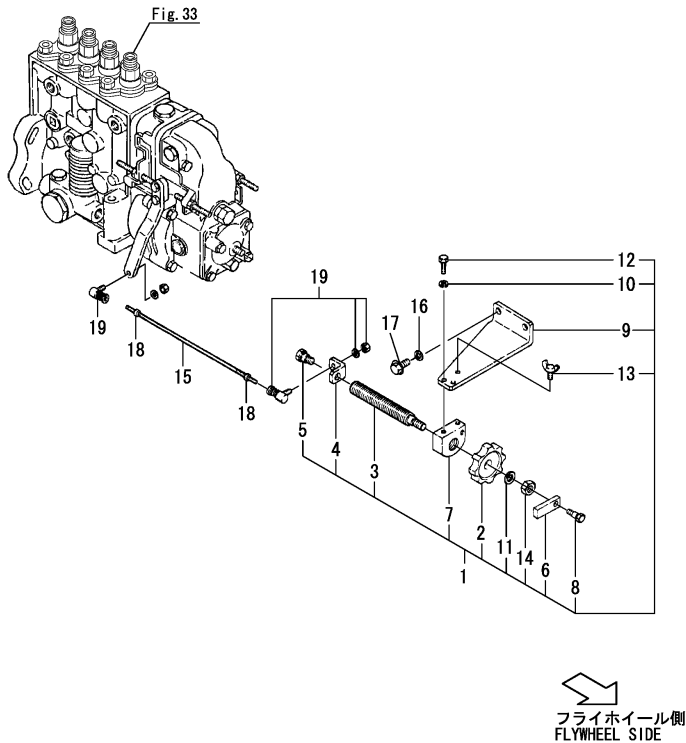


Remarks
(1)Not illustrated

46.ENGINE STOP DEVICE

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126650-66260	PIN (A=EZZZZZ)	1						Z	
2	1	126650-66270	JOINT ASSY (A=EZZZZZ)	1						Z	
5	1	104104-66990	SCREW	1							
6	1	22137-060000	WASHER 6, POLISHED	1							
7	1	22417-160100	COTTER PIN	1							
8	1	26106-080162	BOLT M 8X 16 PLATED	1							
9	1	41660-550520	SUPPORT A	1							
10	1	41701-500380	CABLE,REMO-CON	1							
11	1	42222-003400	LABEL, STOP KNOB (A=EXXXXX)	1						Z	
12	1	26366-080002	NUT M 8	1							1
13	1	26106-080122	BOLT M 8X 12 PLATED	1							
14	1	126443-66530	LINK(SOLENOID) (A=EXXXXX)	1						W	
15	1	128633-11921	SPACER (A=E0107)	1						W	
16	1	126625-66500	LEVER (A=EXXXXX)	1						W	
17	1	135400-65080	PIN (A=EXXXXX)	1						W	
18	1	22131-080000	WASHER 8 (A=EXXXXX)	2						W	1
19	1	26106-080202	BOLT M 8X 20 PLATED (A=EXXXXX)	4						W	
20	1	26116-050142	BOLT, M5X14 (A=EXXXXX)	1						W	
21	1	26366-080002	NUT M 8 (A=EXXXXX)	4						W	
22	1	26717-050002	NUT 5 (A=EXXXXX)	1						W	
23	1	26756-050002	LOCK NUT M 5 PLATED (A=EXXXXX)	1						W	1
24	1	46116-000680	SOLENOID VALVE DC 24V (A=EXXXXX)	1						W	
25	1	22417-200120	COTTER PIN 2.0X12 (A=EXXXXX)	1						W	
26	1	22417-200120	COTTER PIN 2.0X12 (A=EXXXXX)	1						W	
27	1	41660-554360	JOINT (A=EZZZZZ)	1						W	

Fig.45.CONTROL DEVICE



Remarks
(1)Not illustrated

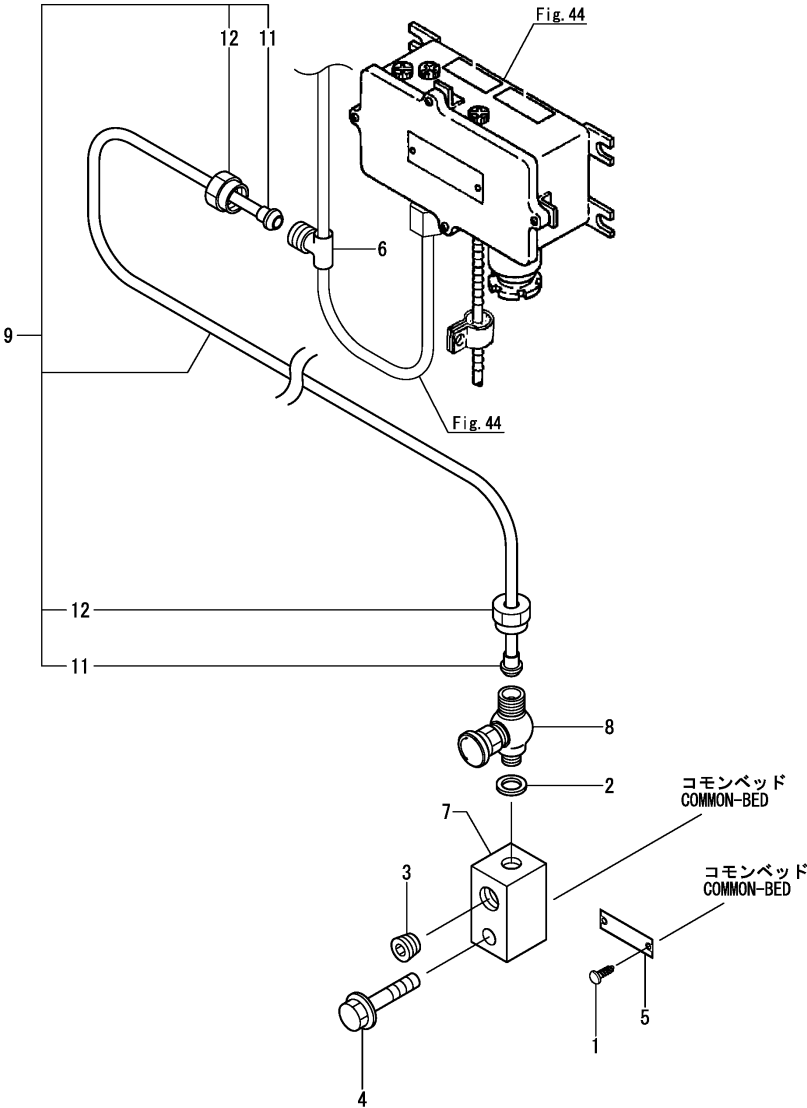
45.CONTROL DEVICE

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126650-66150	HANDLE ASSY, REGULA	1							
2	2	126650-66020	HANDLE, REGULATOR	1							
3	2	126650-66031	SHAFT, REG. SCREW	1							
4	2	126650-66050	JOINT	1							
5	2	126650-66060	BOLT	1							
6	2	126650-66070	PLATE	1							
7	2	126650-66081	NUT, REGULATOR	1							
8	2	126650-66090	LOCK BOLT	1							
9	2	126650-66100	BRACKET, REGULATOR	1							
10	2	22217-060000	SPRING WASHER 6	2							
11	2	22217-100000	SPRING WASHER 10	1							
12	2	26106-060122	BOLT M 6X 12 PLATED	2							
12-1	2	26106-060142	BOLT M 6X 14 PLATED	2						N	
(A=EXXXXX)											
13	2	26646-060152	WING BOLT M 6X15	1							
14	2	26706-100002	NUT M10	1							
14A	2	126650-66980	BOLT	1						W	1
(A=EXXXXX)											
14B	2	126650-66990	COUPLING,GOV.LINK	1						W	1
(A=EXXXXX)											
15	1	126443-66500	LINK, GOVERNOR	1							
16	1	22217-080000	WASHER, 8	2							
17	1	26106-080162	BOLT M 8X 16 PLATED	2							
18	1	26756-060002	LOCK NUT M 5 PLATED	2							
19	1	41710-001300	JOINT	2							
20	1	126650-66980	BOLT	1						W	1
(A=EXXXXX)											
21	1	22137-060000	WASHER 6, POLISHED	1						W	1
(A=EXXXXX)											
22	1	22217-080000	WASHER, 8	2						W	1
(A=EXXXXX)											
22-1	1	22217-080000	WASHER, 8	2						Z	1
(A=EXXXXX)											
23	1	26716-060002	NUT 6	1						W	1
(A=EXXXXX)											

Fig.71.(44A)TEST COCK



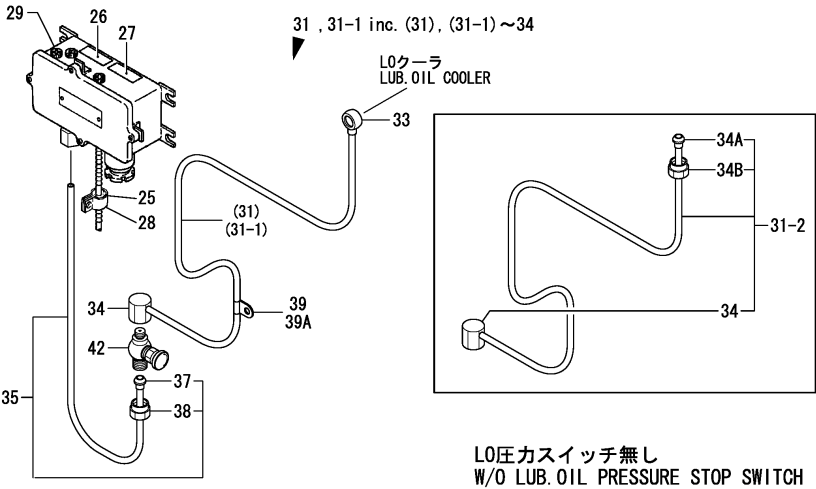
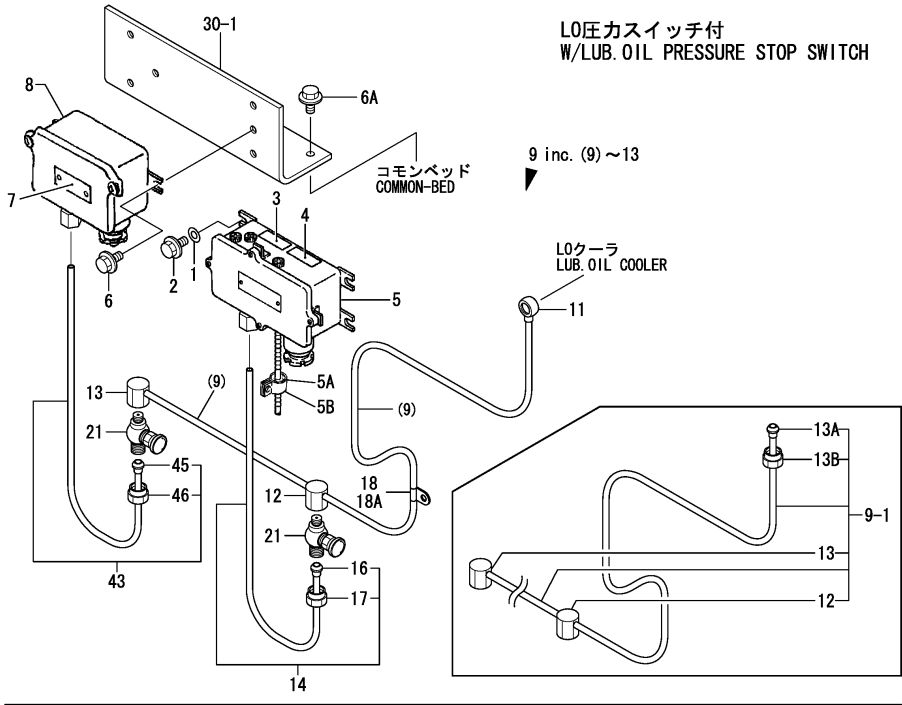
71.(44A)TEST COCK

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	137900-91451	RMET	2							
2	1	23414-100000	GASKET 10, ROUND	1							
3	1	23875-020000	PLUG PT1/4,STEEL	1							
4	1	26106-080402	BOLT M 8X 40 PLATED	1							
5	1	42221-007740	NAMEPLATE,LUB.OIL	1							
6	1	43580-550460	3WAY JOINT	1							
7	1	43580-551530	2WAY JOINT	1							
8	1	43600-006951	NEEDLE VALVE,6M	1							
9	1	43711-574540	PIPE FOR LO TEST COC	1							
11	2	23311-060001	JOINT 6	2							
12	2	23821-060001	CAP NUT M 6	2							

Fig.44.ALARM DEVICE

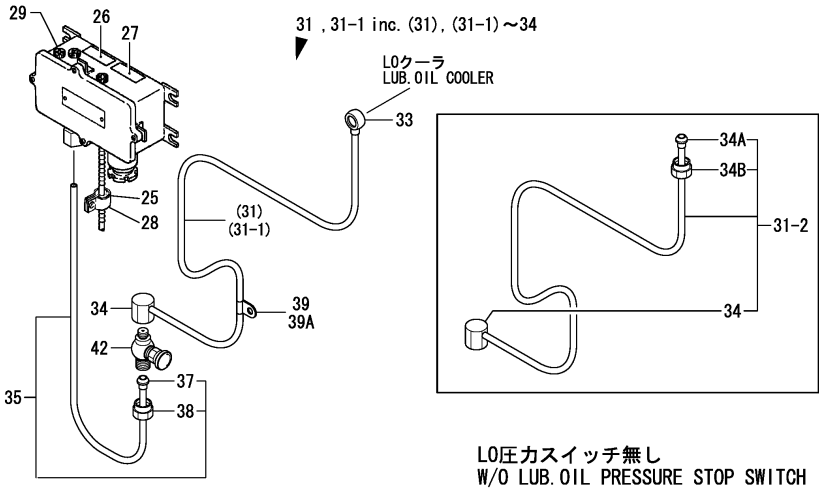
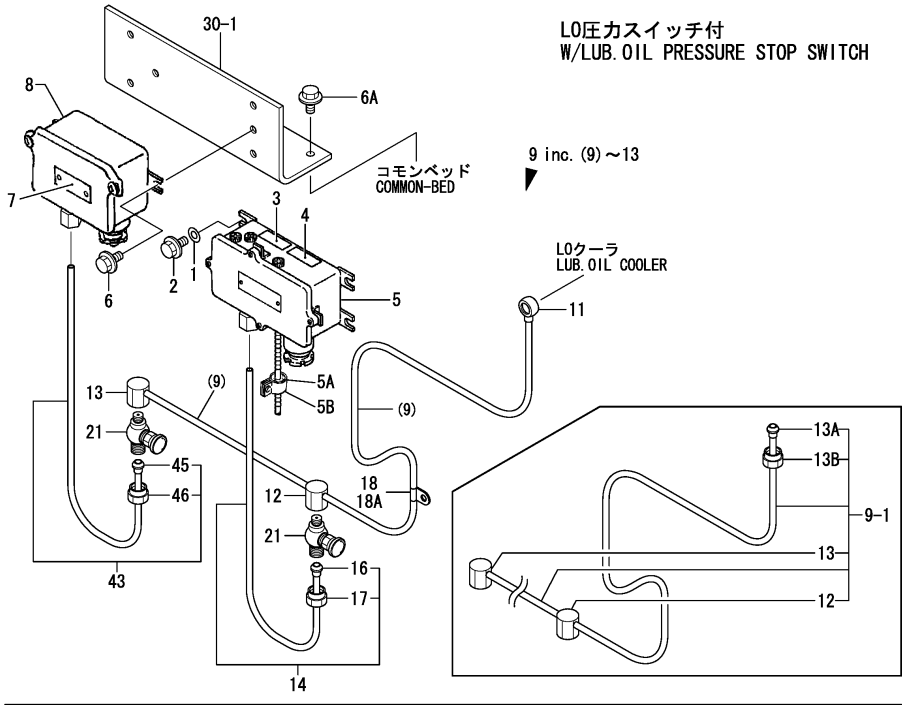


- Remarks
- (1)Not illustrated
 - (2)S.I.unit parts
 - (3)Flexible mount spec.

44.ALARM DEVICE

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	22137-080000	WASHER 8, POLISHED	4							
2	1	26106-080162	BOLT M 8X 16 PLATED	4							
3	1	42221-551260	LABEL, LUB.OIL ALARM	1							
4	1	42221-551280	LABEL, CF.WALARM	1							
5	1	46111-550420	RELAY	1							
5-1	1	46111-563570	SWITCH,PRES/TEMP.	1						S	2
(A=*2000.03)											
5A	1	41411-000321	PAD	4							W
(A=EZZZZZ)											
5B	1	43739-000170	RETAINER(11H,M10	4							W
(A=EZZZZZ)											
6	1	26106-080162	BOLT M 8X 16 PLATED	2							
6A	1	26106-080162	BOLT M 8X 16 PLATED	2							W
(A=*1999.04)											
7	1	42221-551270	LABEL	1							
8	1	46111-563740	SWITCH,PRESSURE	1							
9	1	126443-65111	JOINT, SWITCH	1							
9-1	1	126443-65112	JOINT, SWITCH	1							S
(A=EZZZZZ)											
11	2	23341-060000	JOINT, PIPE 6X12	1							Z
(A=EZZZZZ)											
12	2	43580-000530	JOINT, 3-WAY	1							
13	2	43580-550900	JOINT, 2-WAY	1							
13A	2	23311-060001	JOINT 6	1							W
(A=EZZZZZ)											
13B	2	23821-060001	CAP NUT M 6	1							W
(A=EZZZZZ)											
14	1	126443-65121	JOINT, SWITCH	1							
14A	1	43711-573060	JOINT, SWITCH	1							W 3
(A=EXXXXX)											
16	2	23311-060001	JOINT 6	1							
17	2	23821-060001	CAP NUT M 6	1							
18	1	23297-060061	RETAINER, A6X6	3							Z
(A=EZZZZZ)											
18A	1	23297-060081	RETAINER, A6X8	2							W
(A=EZZZZZ)											
19	1	43400-550320	SHIM T=0.25	2							1
20	1	43400-550330	SHIM T=0.5	2							1
21	1	43600-006951	NEEDLE VALVE, ØM	2							
22	1	23041-060000	PIPE 6X12, STEEL	1							1
23	1	23311-060001	JOINT 6	1							1
24	1	23824-060001	CAP NUT M 6	1							1
25	1	41411-000321	PAD	4							
26	1	42221-551270	LABEL	1							
27	1	42221-551290	LABEL	1							
28	1	43739-000170	RETAINER(11H,M10	4							
29	1	46111-563610	SWITCH,PRESSURE	1							
30-1	1	46150-573710	BRACKET	1							W
(A=*1999.04)											
31	1	126443-65100	JOINT, SWITCH	1							
31-1	1	126443-65101	JOINT, SWITCH	1							N

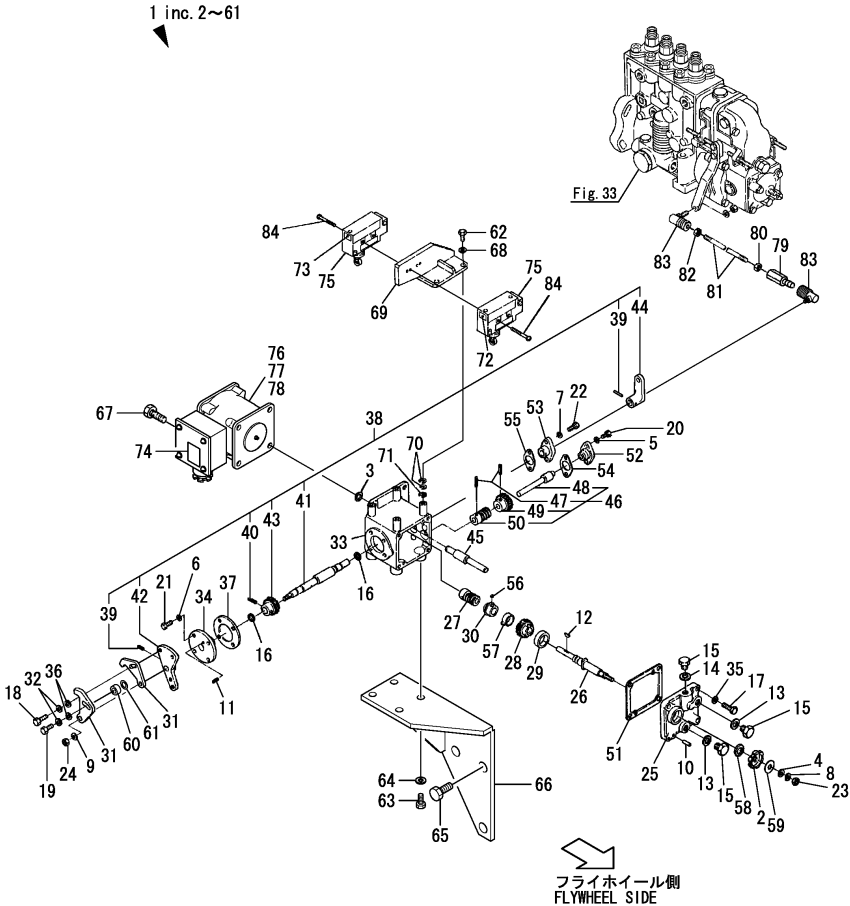
Fig.44.ALARM DEVICE



Remarks
(1)Not illustrated
(2)S.I.unit parts
(3)Flexible mount spec.

				(A)=4HAL2-TN(1) (B)= (C)=					(D)= (E)= (F)=				
REF.	LEV.	PARTS NO.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)	I	R		
31-2	(A=*2002.02) 1	126443-65102	JOINT, SWITCH	1							S		
	(A=EZZZZZ)												
33	2	23341-060000	JOINT, PIPE 6X12	1							Z		
(A=EZZZZZ)													
34	2	43580-550900	JOINT, 2-WAY	1									
34A	2	23311-060001	JOINT 6	1							W		
(A=EZZZZZ)													
34B	2	23821-060001	CAP NUT M 6	1							W		
(A=EZZZZZ)													
35	1	126443-65120	JOINT, SWITCH	1									
35-1	1	126443-65121	JOINT, SWITCH	1							N		
(A=*2002.02)													
35A	1	43711-573060	JOINT, SWITCH	1							W	3	
(A=EXXXXX)													
37	2	23311-060000	JOINT, 6	1									
37-1	2	23311-060001	JOINT 6	1							N		
(A=EXXXXX)													
38	2	23821-060000	CAP NUT M 6	1									
38-1	2	23821-060001	CAP NUT M 6	1							N		
(A=EXXXXX)													
39	1	23297-060061	RETAINER, A6X6	3							Z		
(A=EZZZZZ)													
39A	1	23297-060081	RETAINER, A6X8	2							W		
(A=EZZZZZ)													
40	1	43400-550320	SHIM T=0.25	1								1	
41	1	43400-550330	SHIM T=0.5	1								1	
42	1	43600-006951	NEEDLE VALVE 6M	1									
43	1	126443-65132	JOINT, SWITCH	1									
43A	1	43711-573070	JOINT, SWITCH	1							W	3	
(A=EXXXXX)													
45	2	23311-060001	JOINT 6	1									
46	2	23821-060001	CAP NUT M 6	1									
47	1	135410-39520	RETAINER	1							W	1	
(A=EZZZZZ)													
48	1	135410-39520	RETAINER	1							W	1	
(A=EZZZZZ)													

Fig.43.GOVERNOR MOTOR & LINK



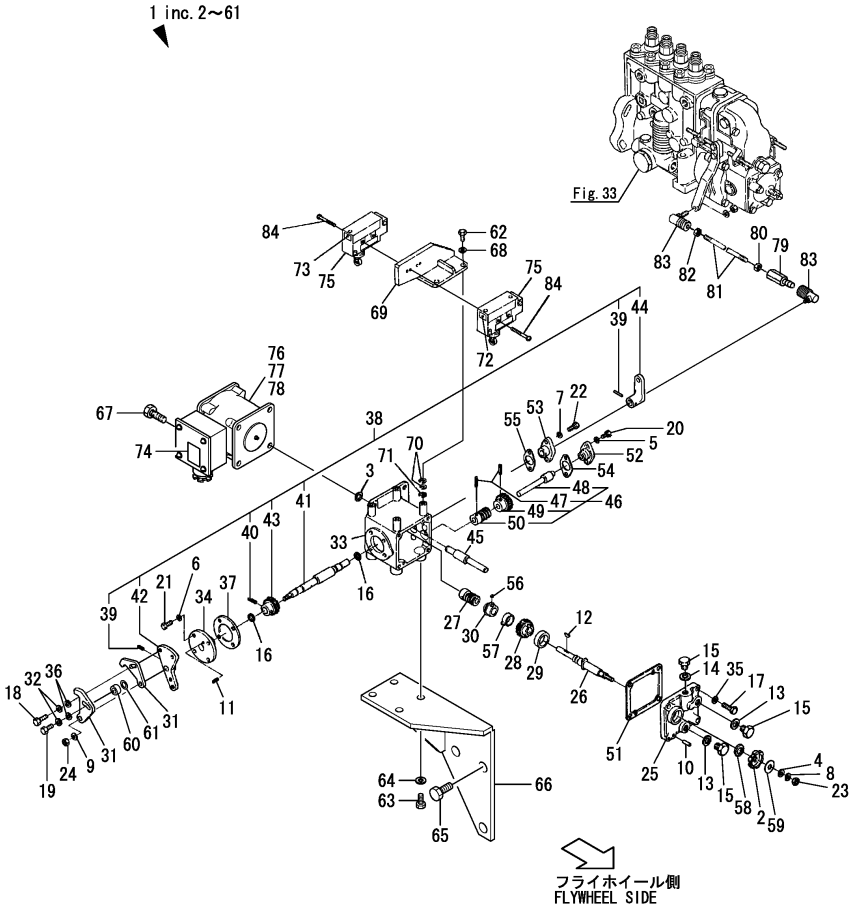
Remarks

- (1)Governor motor(AC100V)
- (2)Governor motor(AC200V)
- (3)Governor motor(AC400V)

43.GOVERNOR MOTOR & LINK

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	726443-64500	GOVERNOR W/O MOTOR	1							
2	2	137600-15170	HANDLE, INDICATOR	1							
3	2	123325-61670	SEAL, OIL	1							
4	2	22137-060000	WASHER 6, POLISHED	1							
5	2	22217-050000	SPRING WASHER 5	2							
6	2	22217-050000	SPRING WASHER 5	4							
7	2	22217-050000	SPRING WASHER 5	2							
8	2	22217-060000	SPRING WASHER 6	1							
9	2	22217-060000	SPRING WASHER 6	1							
10	2	22312-040160	PARALLEL PIN, M4X16	2							
11	2	22351-040016	SPRING PIN 4X16	1							
12	2	22522-030100	KEY, WOODRUFF 3X10	1							
13	2	23414-100000	GASKET 10, ROUND	2							
14	2	23414-100000	GASKET 10, ROUND	1							
15	2	23887-100002	PLUG 10	3							
16	2	24311-000080	O-RING 1A P-8.0	2							
17	2	26106-060202	BOLT M 6X 20 PLATED	4							
18	2	26106-060142	BOLT M 6X 14 PLATED	1							
19	2	26106-060182	BOLT M 6X 18 PLATED	1							
20	2	26116-050122	BOLT, M5X12	2							
21	2	26116-050122	BOLT, M5X12	4							
22	2	26116-050122	BOLT, M5X12	2							
23	2	26366-060002	NUT M 6	1							
24	2	26366-060002	NUT M 6	1							
25	2	41100-550421	COVER	1							
26	2	41100-550431	SHAFT, HANDLE	1							
27	2	41100-550440	GEAR	1							
28	2	41100-550450	WHEEL	1							
29	2	41100-550460	SPACER	1							
30	2	41100-550470	RETAINER	1							
31	2	41100-550671	LEVER	2							
32	2	22217-060000	SPRING WASHER 6	2							
33	2	41100-550770	CASE GEAR	1							
34	2	41100-550781	BEARING	1							
35	2	22217-060000	SPRING WASHER 6	4							
36	2	22137-060000	WASHER 6, POLISHED	2							
37	2	41100-550811	PACKING	1							
38	2	41100-551400	OUTPUT SHAFT	1							
39	3	22351-030016	SPRING PIN 3X16	2							
39-1	3	22351-030018	SPRING PIN 3X18	2							R
(A=EZZZZZ)											
40	3	22351-030020	SPRING PIN 3X20	1							
41	3	41100-550642	SHAFT	1							
42	3	41100-550652	LEVER (A), CONTROL	1							
43	3	41100-550950	WORM WHEEL	1							
44	3	41100-551391	LEVER (B), CONTROL	1							
45	2	41100-551100	SHAFT	1							
46	2	41100-550930	SHAFT	1							
47	3	22351-030020	SPRING PIN 3X20	2							
48	3	41100-550151	SHAFT, 2ND	1							
49	3	41100-550890	H WHEEL	1							

Fig.43.GOVERNOR MOTOR & LINK

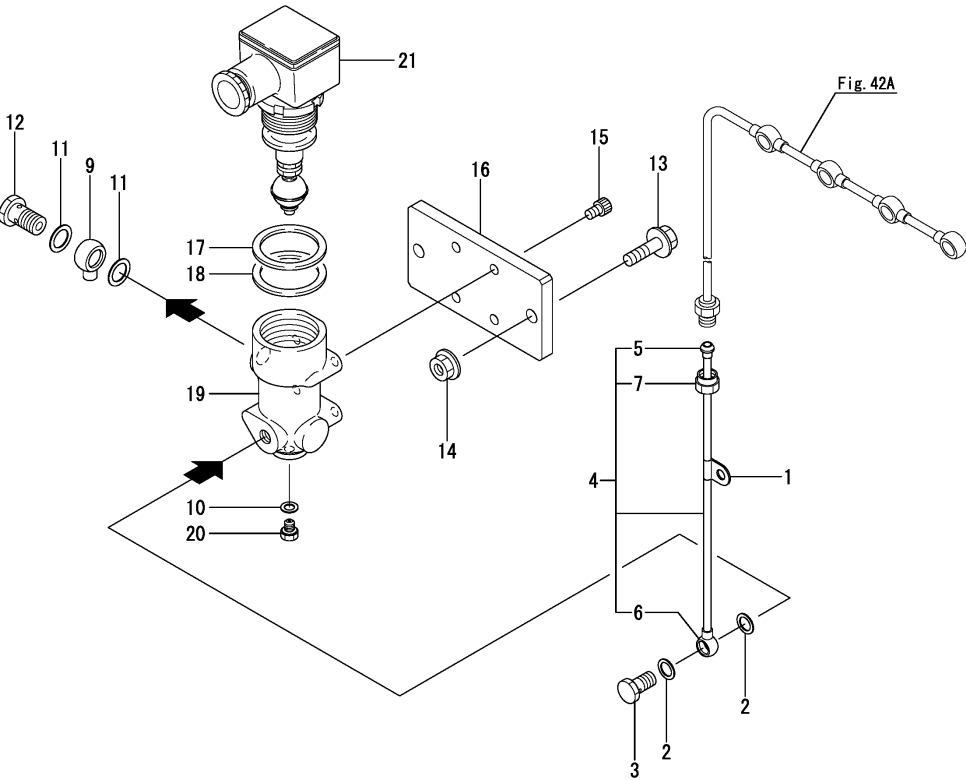


- Remarks
- (1)Governor motor(AC100V)
 - (2)Governor motor(AC200V)
 - (3)Governor motor(AC400V)

43.GOVERNOR MOTOR & LINK

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
50	3	41100-550910	GEAR, WARM	1							
51	2	41100-800042	GASKET	1							
52	2	41100-800111	BUSH(A)	1							
53	2	41100-800122	BUSH(B)	1							
54	2	41100-800132	GASKET	1							
55	2	41100-800132	GASKET	1							
56	2	41112-000140	BALL	1							
57	2	41112-000750	SPRING	1							
58	2	41112-000880	SEAL, OIL	1							
59	2	42221-552080	LABEL	1							
60	2	41100-551310	SPACER	1							
61	2	22137-060000	WASHER 6, POLISHED	1							
62	1	26106-060142	BOLT M 6X 14 PLATED	4							
63	1	26106-100222	BOLT M10X 22 PLATED	4							
64	1	22217-100000	SPRING WASHER 10	4							
65	1	26106-080222	BOLT M 8X 22 PLATED	2							
66	1	42215-584160	BRACKET, GOV. MOTOR	1							
67	1	26106-080202	BOLT M 8X 20 PLATED	4							
68	1	22217-060000	SPRING WASHER 6	4							
69	1	41100-550340	BRACKET	1							
70	1	42212-551050	SHIM	8							
71	1	42212-551060	SHIM	4							
72	1	42221-552090	LABEL	1							
73	1	42221-552100	LABEL	1							
74	1	42221-552170	LABEL, GOVERNOR MOTOR	1							
75	1	46130-800250	SWITCH, REMIT	2							
76	1	46130-561820	MOTOR, GOVERNOR	1							1
77	1	46130-561830	MOTOR, GOVERNOR	1							2
78	1	46130-561840	GOV.MOTOR AC400V	1							3
79	1	123672-66980	JOINT	1							
80	1	125310-66270	LOCK NUT (L)	1							
81	1	41100-551410	LINK	1							
82	1	26756-050002	LOCK NUT M 5 PLATED	1							
83	1	41710-001300	JOINT	2							
84	1	26557-040352	SCREW, M4X35	4							

Fig.70.(42B)FUEL OVERFLOW TANK & FUEL OVERFLOW PIPE



70.(42B)FUEL OVERFLOW TANK & FUEL OVERFLOW PIPE

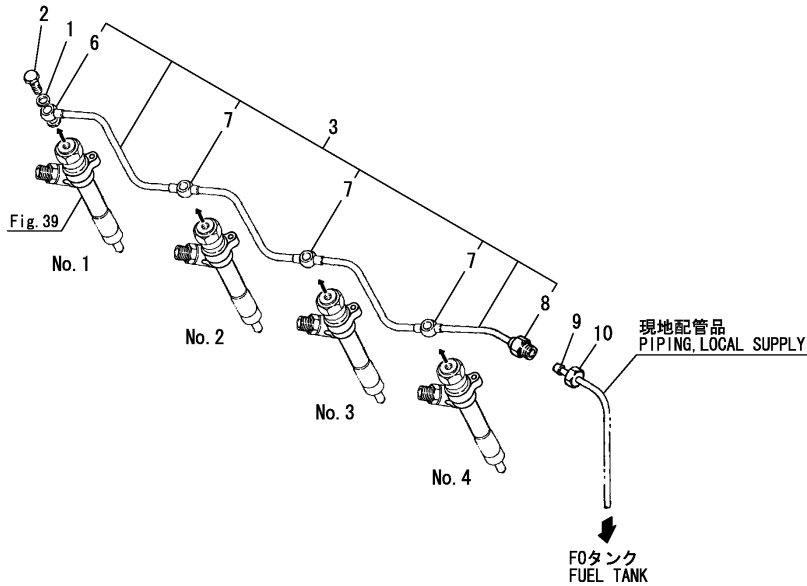
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	23297-060081	RETAINER, A6X8	2							
2	1	23414-120000	GASKET 12, ROUND	2							
3	1	23857-060000	JOINT BOLT 6, PIPE	1							
4	1	41650-556540	PIPE ASSY, OVERFLOW B	1							
5	2	23311-060001	JOINT 6	1							
6	2	23341-060000	JOINT, PIPE 6X12	1							
7	2	23821-060001	CAP NUT M6	1							
9	1	23341-081601	PIPE JOINT 8-10	1							
10	1	23414-080000	GASKET 8, ROUND	1							
11	1	23414-160000	GASKET 16, ROUND	2							
12	1	23857-100000	JOINT BOLT 10	1							
13	1	26106-100352	BOLT M10X35 PLATED	2							
14	1	26366-100002	NUT M10	2							
15	1	26450-080122	BOLT 8X12	4							
16	1	42215-590800	BRACKET, F.O. LEAKAGE	1							
17	1	43230-014360	GASKET, FLOAT SWITCH	1							
18	1	43230-014440	WASHER, FLOAT SWITCH	1							
19	1	43230-027850	OVERFLOW TANK	1							
20	1	43590-006870	PLUG	1							
21	1	46111-018771	FLOAT SWITCH	1							



(F)=

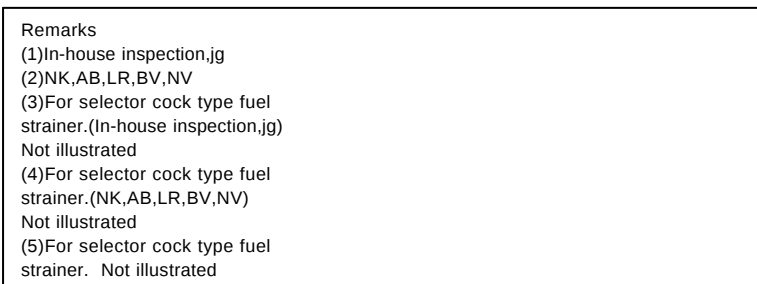
REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126443-59600	PIPE, FUEL RETURN	1							
9	1	23414-120000	GASKET 12, ROUND	8							
10	1	23857-060000	JOINT BOLT 6 PIPE	4							

Fig.42.FUEL RETURN PIPE

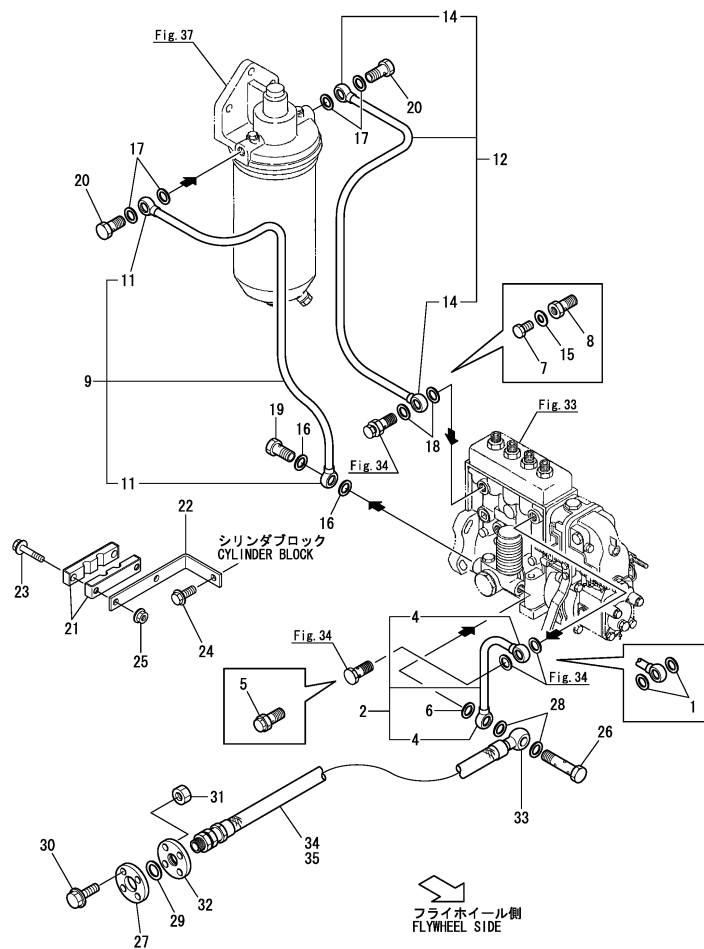


42.FUEL RETURN PIPE

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	23414-080012	GASKET 8	8							
1-1	1	23414-080000	GASKET 8, ROUND	8						N	
(A=EXXXXX)											
2	1	23857-030000	JOINT BOLT 3	4							
3	1	126430-59440	PIPE, FUEL RETURN	1							
6	2	43510-000220	JOINT, PIPE	1							
7	2	43510-000230	JOINT, PIPE	3							
8	2	43551-001441	UNION(M) 6	1							
9	1	23311-060000	JOINT, 6	1							
9-1	1	23311-060001	JOINT 6	1						N	
(A=EXXXXX)											
10	1	23821-060000	CAP NUT M 6	1							
10-1	1	23821-060001	CAP NUT M 6	1						N	
(A=EXXXXX)											



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



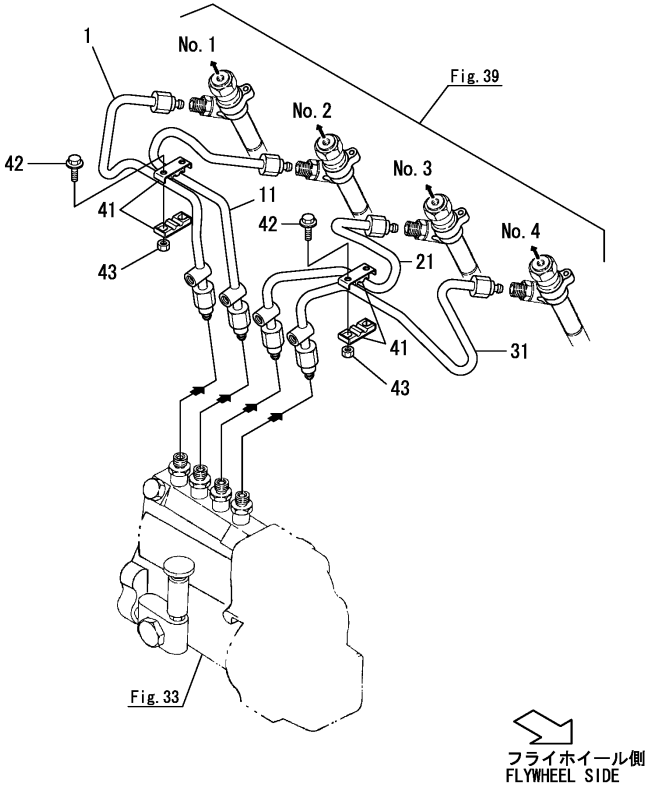
41.FUEL PIPE

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
46	1	23414-200000	GASKET 20, ROUND	2							5
47	1	23414-200026	GASKET 20	4							5
48	1	23857-150000	BOLT, JOINT M15	2							5
49	1	23887-200002	PLUG 20, HEX	2							5
50	1	43510-000210	BOLT	1							5

- (1) In-house inspection,jg
- (2) NK,AB,LR,BV,NV
- (3) For selector cock type fuel strainer.(In-house inspection,jg)
Not illustrated
- (4) For selector cock type fuel strainer.(NK,AB,LR,BV,NV)
Not illustrated
- (5) For selector cock type fuel strainer. Not illustrated

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
(C) Copy Rights YANMAR CO.,LTD.

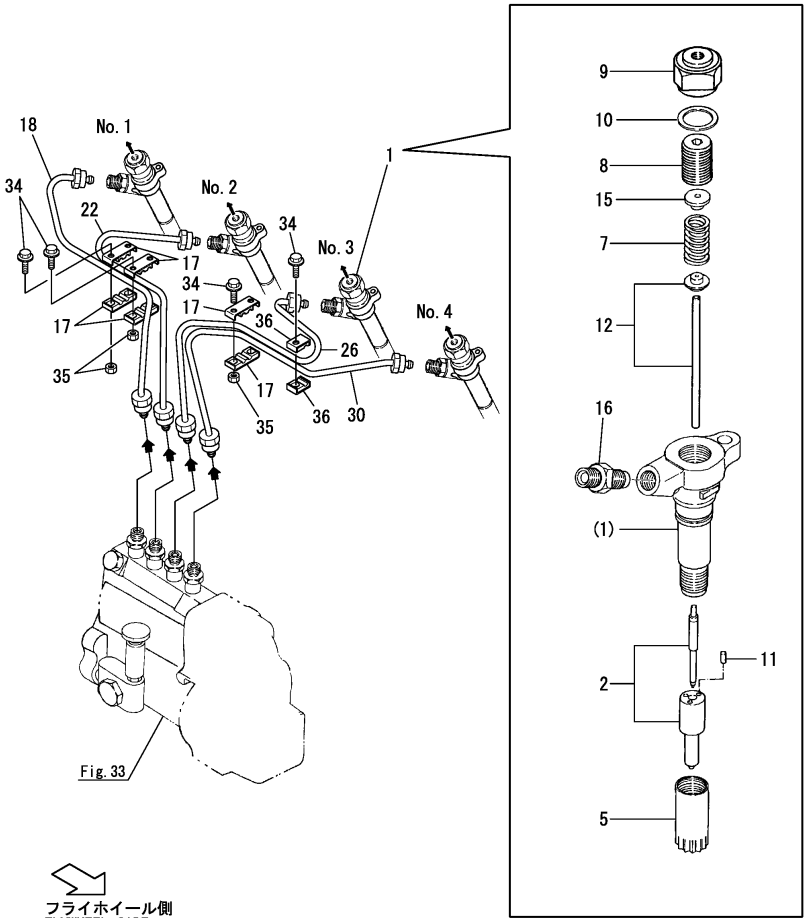
Fig.40.FUEL INJECTION PIPE(DOUBLE PIPE)



40.FUEL INJECTION PIPE(DOUBLE PIPE)

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126443-59310	PIPE,F.INJECT NO.1	1							
11	1	126443-59320	PIPE,F.INJECT NO.2	1							
21	1	126443-59330	PIPE,F.INJECT NO.3	1							
31	1	126443-59340	PIPE,F.INJECT NO.4	1							
41	1	126660-59370	RETAINER	2							
41-1	1	126660-59370	RETAINER	4							K
(A=EXXXXX)											
42	1	26106-060302	BOLT M 6X 30 PLATED	4							
43	1	26366-060002	NUT M 6	4							

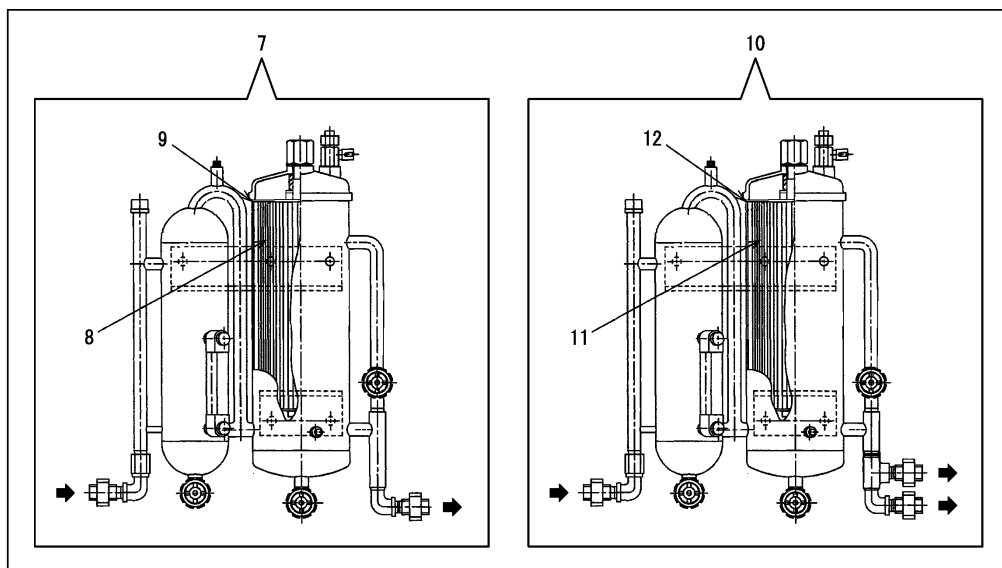
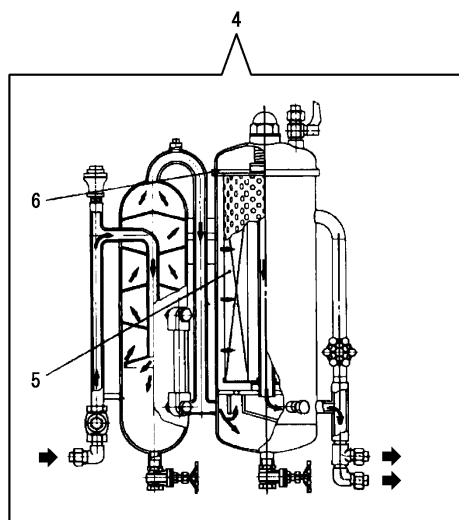
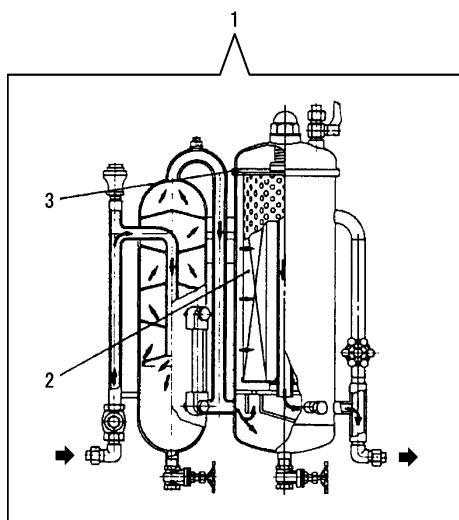
Fig.39.FUEL INJECTION VALVE & FUEL INJECTION PIPE



Remarks
(1)For 1200min-1
(2)For 1500,1800min-1

39.FUEL INJECTION VALVE & FUEL INJECTION PIPE

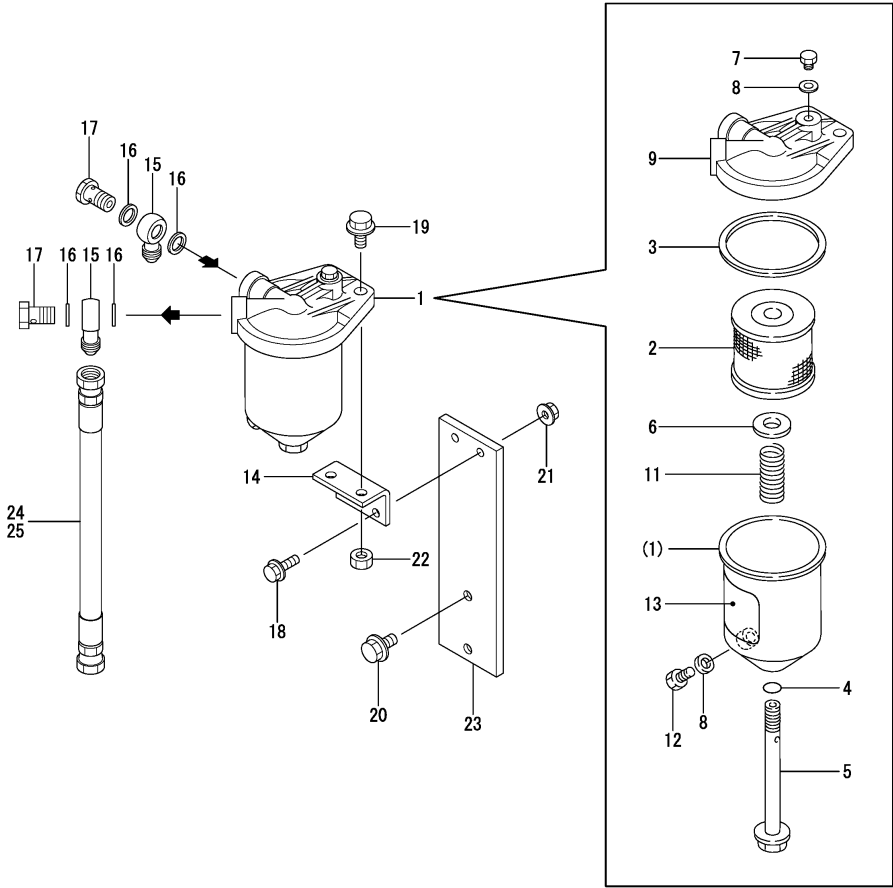
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	726660-53100	VALVE ASSY,INJECTION	4							1
1A	1	726625-53100	VALVE ASSY,INJECTION	4							W 2
(A=EXXXXX)											
2	2	126660-53000	VALVE ASSY,INJECTION	4							1
2A	2	126625-53000	VALVE ASSY,INJECTION	4							W 2
(A=EXXXXX)											
5	2	148616-53080	NUT, NOZZLE(L=46)	4							
7	2	144626-53120	SPRING, NOZZLE	4							
8	2	144626-53181	RETAINER	4							
9	2	126630-53190	CAP, SPRING	4							
10	2	144626-53200	GASKET	4							
11	2	103200-53210	KNOCK, VALVE	8							
12	2	126630-53250	SPINDLE ASSY, INTER	4							
15	2	144626-53301	RETAINER	4							
16	2	122410-53310	CASE, STRAINER	4							
17	1	148016-59760	RETAINER (B)	4							
17-1	1	148016-59760	RETAINER (B)	6							K
(A=FROM 1ST)											
18	1	126443-59912	PIPE, FUEL INJECTION	1							
22	1	126443-59922	PIPE, FUEL INJECTION	1							
26	1	126443-59932	PIPE, FUEL INJECTION	1							
30	1	126443-59942	PIPE, FUEL INJECTION	1							
34	1	26106-060202	BOLT M 6X 20 PLATED	5							
34-1	1	26106-060252	BOLT M 6X 25 PLATED	7							N
(A=FROM 1ST)											
35	1	26366-060002	NUT M 6	3							
36	1	148016-59770	REST C,STEADY	2							


$$(F)=$$

(C) (D) (E) (F)

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	42430-550580 (A=EZZZZZ)	SEPARATOR	1						Z	
2	2	42430-550490 (A=EZZZZZ)	ELEMENT	1						Z	
3	2	42430-550620 (A=EZZZZZ)	GASKET	1						Z	
4	1	42430-550600 (A=EZZZZZ)	SEPARATOR	1						Z	
5	2	42430-550490 (A=EZZZZZ)	ELEMENT	1						Z	
6	2	42430-550620 (A=EZZZZZ)	GASKET	1						Z	
7	1	42430-552420 (A=EZZZZZ)	SEPARATOR ASSY,G/FV20	1							W
8	2	42430-550490 (A=EZZZZZ)	ELEMENT	1							W
9	2	42430-550620 (A=EZZZZZ)	GASKET	1							W
10	1	42430-552460 (A=EZZZZZ)	SEPARATOR ASSY,G/FV20	1							W
11	2	42430-550490 (A=EZZZZZ)	ELEMENT	1							W
12	2	42430-550620 (A=EZZZZZ)	GASKET	1							W

Fig.67.(38A)OIL/WATER SEPARATOR(WITH ENGINE)

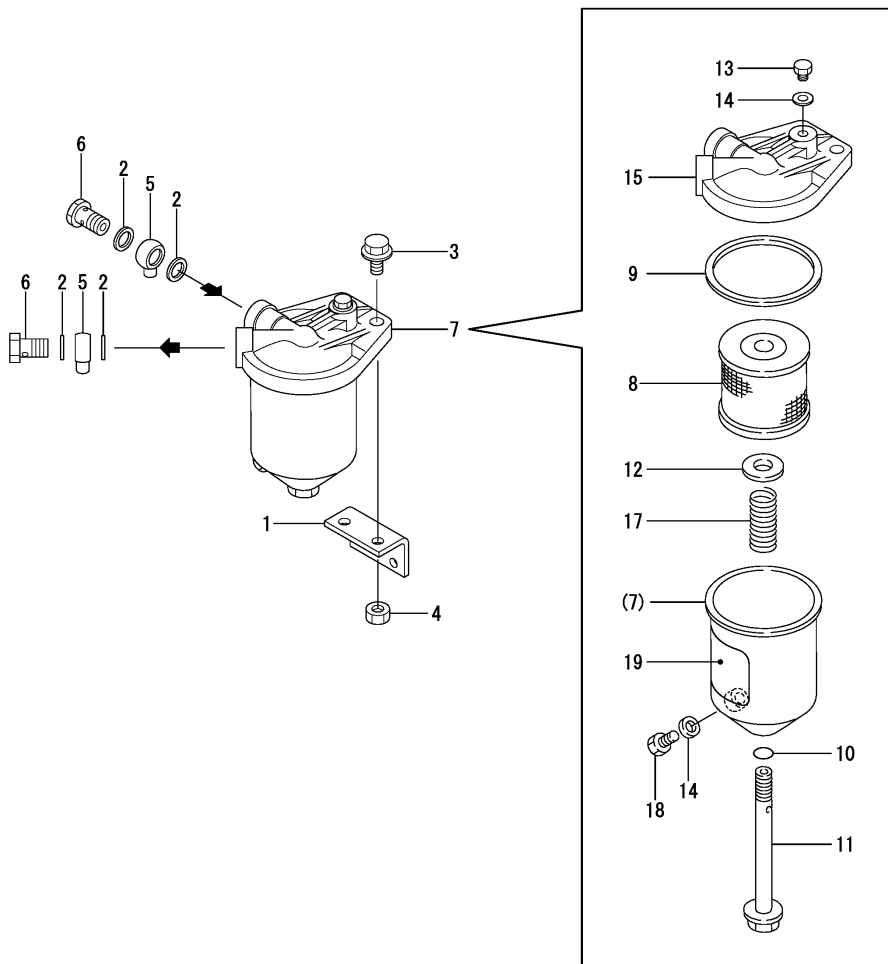


Remarks
(1)In-house inspection,jg
(2)NK,AB,LR,BV,NV

67.(38A)OIL/WATER SEPARATOR(WITH ENGINE)

(A)=4HAL2-TN(1)
(B)=
(C)=
(D)=
(E)=
(F)=

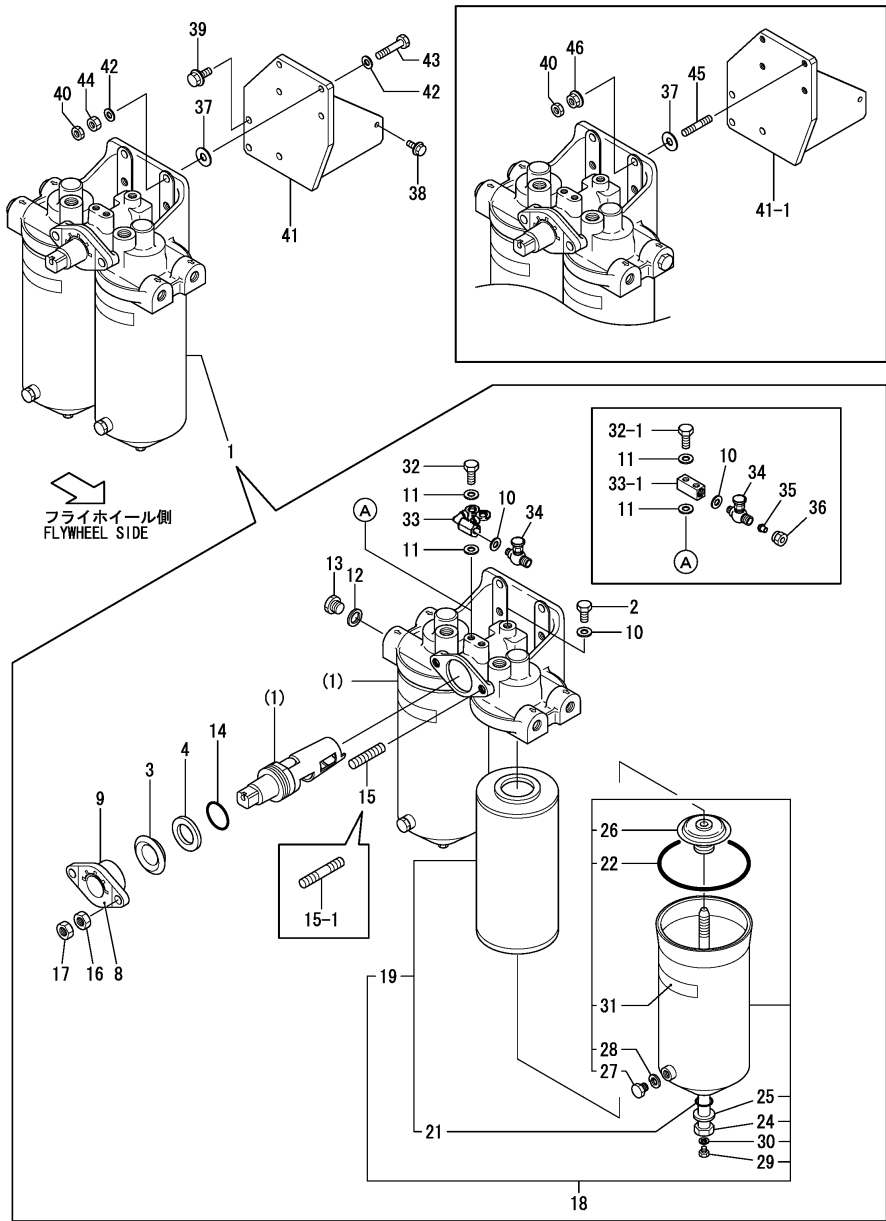
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120324-55750	SEPARATOR	1							
1-1	1	120324-55751	SEPARATOR ASSY	1							N
(A=EZZZZZ)											
2	2	120324-55760	ELEMENT,FUEL OIL	1							
3	2	X0582810173	GASKET	1							
4	2	X0580121073	O-RING 1A P.120	1							
5	2	X0311121522	CENTER BOLT	1							
6	2	X0300120414	SEAT, SPRING	1							
7	2	X0314080110	PLUG	1							
8	2	X0588080273	GASKET	2							
9	2	X2740134001	COVER ASSY	1							Z
(A=EZZZZZ)											
9-1	2	X2740134002	COVER ASSY	1							W
(A=EZZZZZ)											
11	2	X0600160122	SPRING	1							
12	2	X0313080110	BOLT	1							Z
(A=EZZZZZ)											
12-1	2	X0313080922	BOLT	1							W
(A=EZZZZZ)											
13	2	X0993070671	LABEL	1							Z
(A=EZZZZZ)											
13-1	2	X0993071171	CAUTION MARK	1							W
(A=EZZZZZ)											
14	1	123672-55811	BRACKET	1							
15	1	126659-59310	JOINT	2							
16	1	23414-140000	GASKET 14, ROUND	4							
17	1	23857-080000	JOINT BOLT 8,PIPE	2							
18	1	26106-080252	BOLT M 8X 25 PLATED	2							
19	1	26106-100202	BOLT M10X 20 PLATED	2							
20	1	26106-100202	BOLT M10X 20 PLATED	2							
21	1	26366-080002	NUT M 8	2							
22	1	26706-100002	NUT M10	2							
23	1	42215-582390	BRACKET	1							
24	1	43720-562050	COUPLING,RUBBER	1							1
25	1	43720-562060	JOINT,RUBBER	1							2



(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	123672-55811	BRACKET	1							
2	1	23414-140000	GASKET 14,Round	4							
3	1	26106-100202	BOLT M10X 20 PLATED	4							
3-1 (A=EXXXXXX)	1	26106-100202	BOLT M10X 20 PLATED	2							K
3-2 (A=EXXXXXX)	1	26106-100302	BOLT M10X 30 PLATED	2							N
4	1	26706-100002	NUT M10	2							
5	1	126640-59410	JOINT 14	2							
6	1	23857-080000	JOINT BOLT 8,PIPE	2							
7	1	120324-55750	SEPARATOR	1							
7-1 (A=EZZZZZ)	1	120324-55751	SEPARATOR ASSY	1							N
8	2	120324-55760	ELEMENT,FUEL OIL	1							
9	2	X0582810173	GASKET	1							
10	2	X0580121073	O-RING 1A P 120	1							
11	2	X0311121522	CENTER BOLT	1							
12	2	X0300120414	SEAT, SPRING	1							
13	2	X0314080110	PLUG	1							
14	2	X0588080273	GASKET	2							
15 (A=EZZZZZ)	2	X2740134001	COVER ASSY	1							Z
15-1 (A=EZZZZZ)	2	X2740134002	COVER ASSY	1							W
17	2	X0600160122	SPRING	1							
18 (A=EZZZZZ)	2	X0313080110	BOLT	1							Z
18-1 (A=EZZZZZ)	2	X0313080922	BOLT	1							W
19 (A=EZZZZZ)	2	X0993070671	LABEL	1							Z
19-1 (A=EZZZZZ)	2	X0993071171	CAUTION MARK	1							W

Fig.66.(37A)FUEL STRAINER(SELECTOR COCK TYPE)

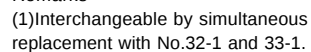


Remarks

(1)Interchangeable by simultaneous replacement with No.32-1 and 33-1.

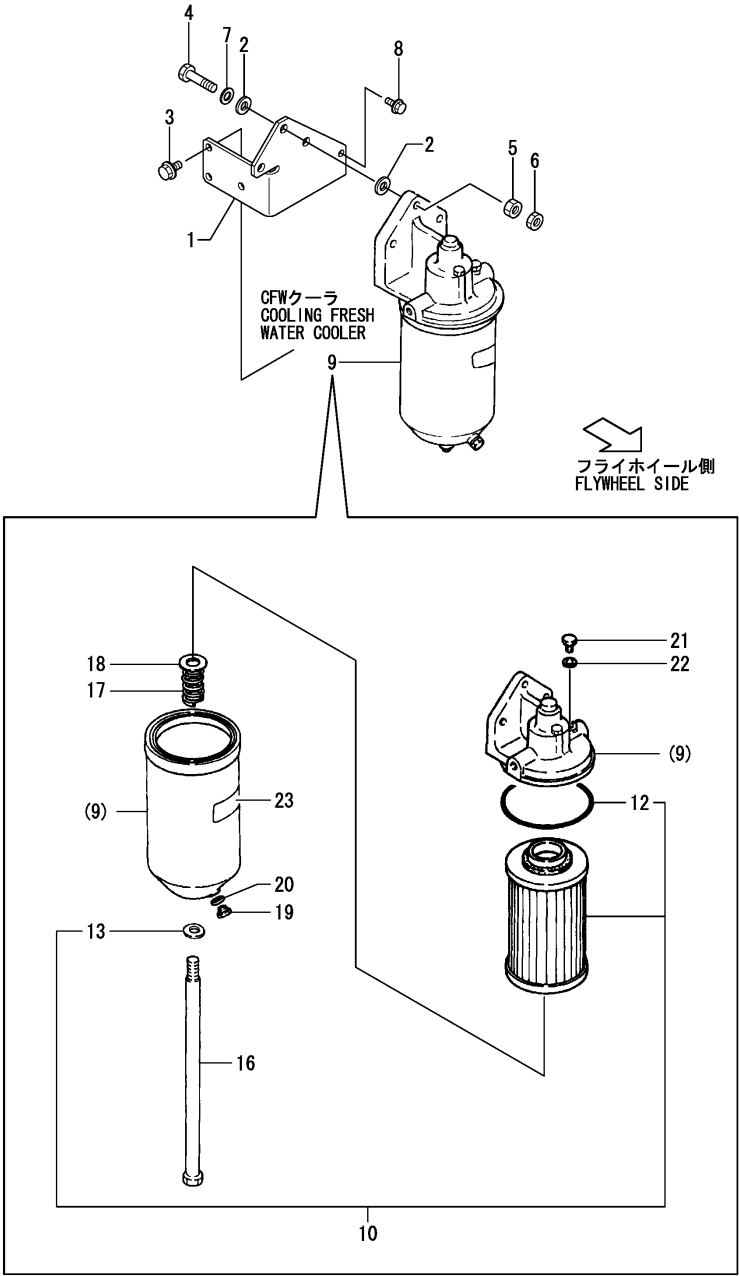
66.(37A)FUEL STRAINER(SELECTOR COCK TYPE)

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	748640-55100	STRAINER, FUEL	1							
2	2	125600-02451	LOCK BOLT	1							
3	2	137600-35310	GASKET	1							
4	2	137600-35330	WASHER	1							
8	2	148619-55520	LABEL	1							
9	2	148619-55530	RETAINER	1							
10	2	23414-100000	GASKET 10, ROUND	2							
11	2	23414-120000	GASKET 12, ROUND	4							
12	2	23414-200000	GASKET 20, ROUND	2							
13	2	23887-200002	PLUG 20, HEX	2							
14	2	24311-000400	O-RING 1A P-40.0	1							
15	2	26226-100252	STUD M10X 25 PLATED	2							
15-1	2	26226-100382	STUD M10X 38 PLATED	2							S
(A=EZZZZZ)											
16	2	26706-100002	NUT M10	2							
17	2	26796-100002	NUT M10,LOCK	2							
18	2	41650-501120	STRAINER, FUEL OIL	2							
19	3	41650-501140	ELEMENT, FUEL OIL	2							
21	4	41650-501160	O-RING 21X15	2							
22	4	41650-501170	O-RING	2							
24	3	41650-501150	BOLT	2							
25	3	X0307160715	WASHER	2							
26	3	X2772311701	RETAINER ASSY	2							
27	3	123678-55880	PLUG	2							
28	3	22190-140002	WASHER, 14	2							
29	3	123672-55750	PLUG	2							
30	3	22190-080002	SEAL WASHER 8S	2							
31	3	41650-501180	LABEL, CAUTION	2							
32	2	23857-060000	JOINT BOLT 6/PIPE	2							
32-1	2	43510-550590	BOLT,BALL JOINT	2							S 1
(A=EZZZZZ)											
33	2	148619-59160	PIPE, FUEL OIL	1							
33-1	2	43570-552130	JOINT	1							S 1
(A=EZZZZZ)											
34	2	43600-006951	NEEDLE VALVE 6M	1							
35	2	23311-060001	JOINT 6	1							W
(A=EZZZZZ)											
36	2	23821-060001	CAP NUT M 6	1							W
(A=EZZZZZ)											
37	1	127612-55850	PAD	8							
37-1	1	127612-55850	PAD	4							K
(A=EZZZZZ)											
38	1	26106-080202	BOLT M 8X 20 PLATED	1							
39	1	26106-100252	BOLT M10X 25 PLATED	3							
40	1	26756-100002	LOCK NUT M10 PLATED	4							
41	1	42215-584830	ATTACHMENT PLATE(FO	1							
41-1	1	42215-584831	BRACKET, FO FILTER	1							S
(A=EZZZZZ)											
42	1	22137-100000	WASHER 10,POLISHED	8							Z
(A=EZZZZZ)											
43	1	26206-100502	BOLT M10X50	4							Z



44	(A=EZZZZZ) 1 26716-100002	NUT 10	4	Z
45	(A=EZZZZZ) 1 26216-100352	STUD M10X 35 PLATED	4	W
46	(A=EZZZZZ) 1 26366-100002	NUT M10	4	W

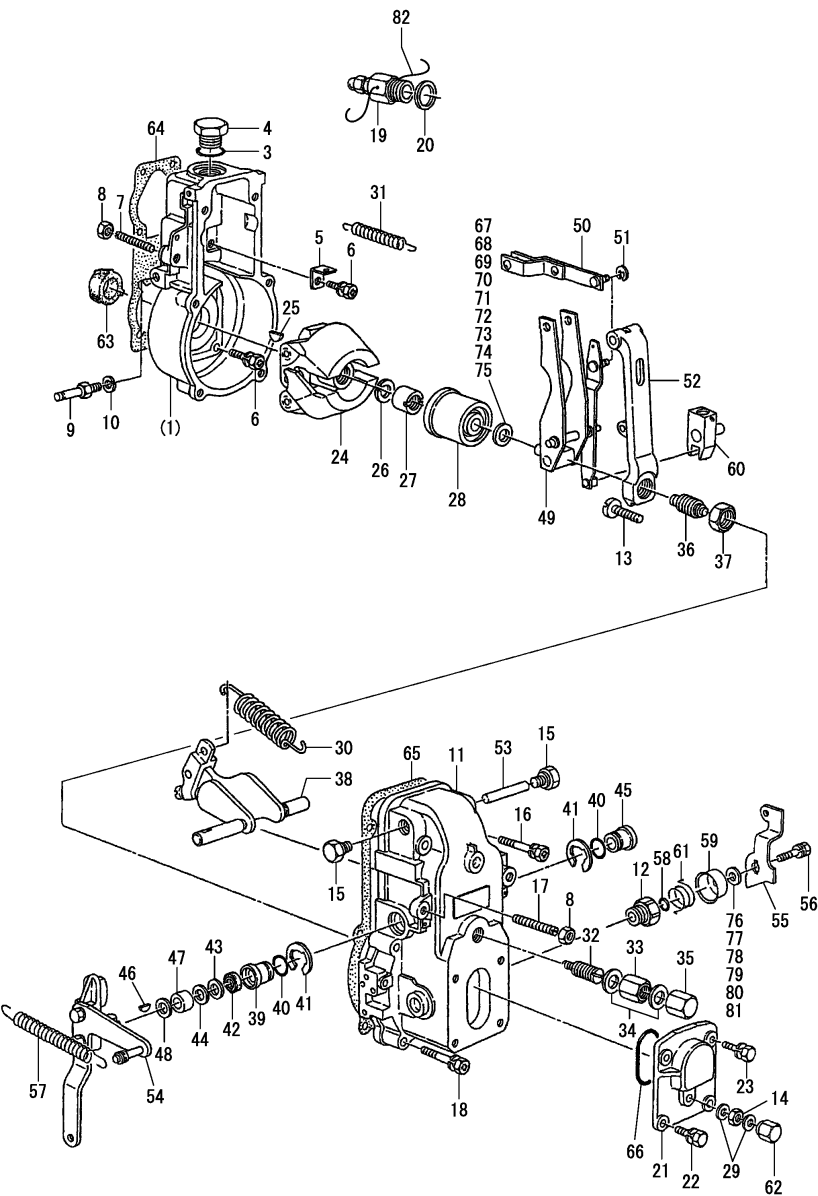
Fig.37.FUEL STRAINER



37.FUEL STRAINER

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126443-55500	STAY	1							
2	1	127612-55850	PAD	6							
3	1	26106-100202	BOLT M10X 20 PLATED	3							
4	1	26206-120502	BOLT M12X50	3							
5	1	26716-120002	NUT 12	3							
6	1	26756-120002	LOCK NUT 12	3							
7	1	22137-120000	WASHER 12POLISHED	3							
8	1	26106-080202	BOLT M 8X 20 PLATED	1							
9	1	41650-550320	STRAINER, FUEL	1							
10	2	41650-502340	ELEMENT, FUEL OIL	1							
12	3	41650-551980	O-RING	1							
13	3	41650-551950	GASKET	1							
16	2	41650-551940	BOLT	1							
17	2	41650-551960	SPRING	1							
18	2	41650-551970	RETAINER	1							
19	2	23887-100002	PLUG 10	1							
20	2	23414-100000	GASKET 10, ROUND	1							
21	2	123672-55750	PLUG	2							
22	2	22190-080002	SEAL WASHER 8S	2							
23	2	41650-501180	LABEL, CAUTION	1							

Fig.36.GOVERNOR COMPONENT PARTS

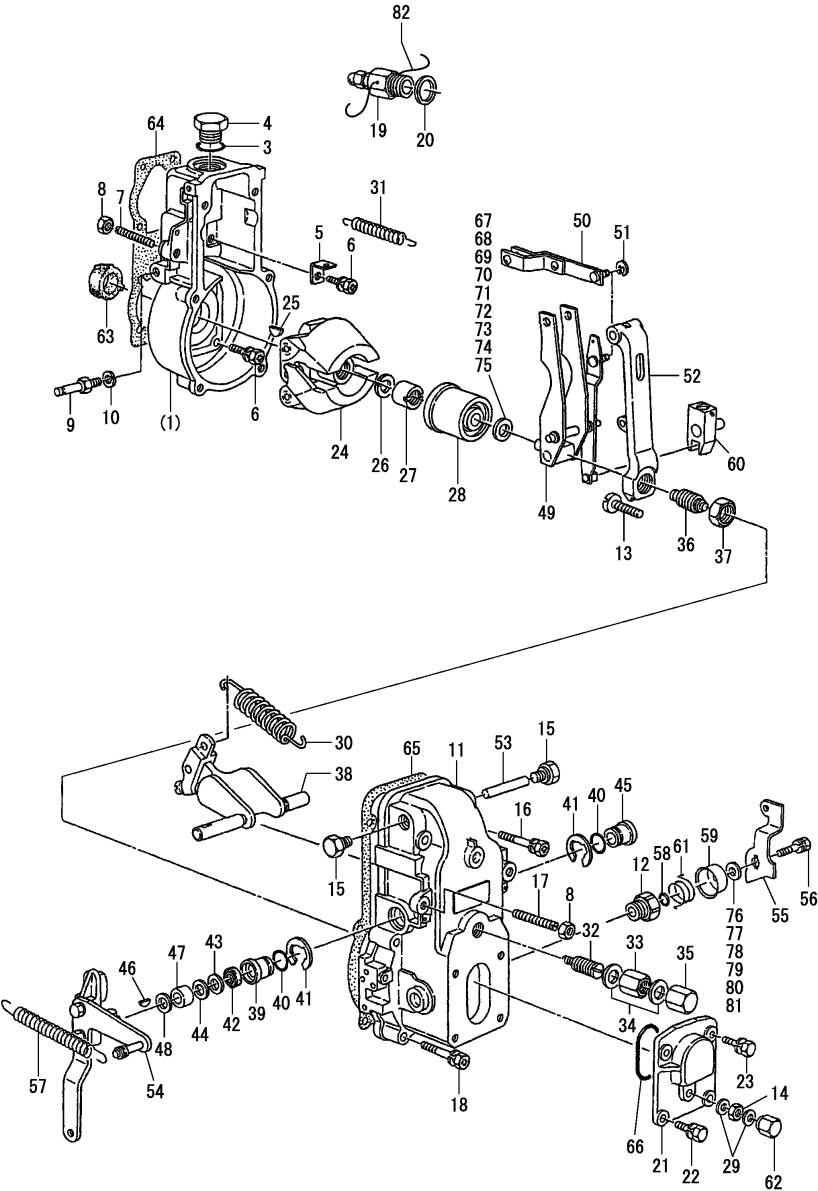


Remarks
(1)For 1200min-1
(2)For 1500,1800min-1

36.GOVERNOR COMPONENT PARTS

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	3	X0296325070	O-RING	1							
4	3	X1540072900	PLUG	1							
5	3	X1543506000	PLATE	1							
6	3	X0201062040	BOLT	8							
6-1	3	X0201062540	BOLT	8						N	
(A=EXXXXX)											
7	3	X1540101200	SCREW	1							1
7A	3	X1540101100	SCREW	1						W	2
(A=EXXXXX)											
8	3	X1540110100	NUT	2							
9	3	X1540121720	BOLT	1							
10	3	X0141108440	SPRING WASHER	1							
10-1	3	X1566151800	SPRING WASHER	1						N	
(A=EXXXXX)											
11	3	X1545003020	COVER	1							
12	3	X1543210400	BUSH	1							
13	3	X1540312400	SCREW	1							
14	3	X1392060600	NUT	1							
15	3	X1540360300	PLUG	2							
16	3	X0201065040	BOLT	2							
17	3	X1540100200	SCREW	1							
18	3	X0201063840	BOLT	4							
19	3	X1530212220	LIMITER	1							
20	3	X0265243040	GASKET	1							
21	3	X1540631400	COVER	1							
22	3	X0290206210	BOLT	2							
23	3	X0200061640	BOLT	2							
24	3	X1541010020	FLYWIGHT ASSY.	1							
25	3	X0258031310	WOODRUFF KEY	1							
26	3	X0293212020	SPRING WASHER	1							
27	3	X0292312030	NUT	1							
28	3	X1541230120	SLEEVE	1							
29	3	139653-51990	PACKING	2							
30	3	126630-61600	SPRING, GOVERNOR	1							1
30A	3	X1541500100	SPRING	1						W	2
(A=EXXXXX)											
31	3	X1541540800	SPRING	1							
32	3	X1541580820	CAPSULE, SPRING	1							
33	3	X1540111700	NUT	1							
34	3	X0265121540	GASKET	2							
34-1	3	X0265121840	GASKET	2						N	
(A=EXXXXX)											
35	3	X1541591200	NUT, CAP	1							
36	3	X1541851320	CAPSULE, SPRING	1							
37	3	X0292016010	NUT	1							
38	3	X1542007020	SWIVEL LEVER	1							
39	3	X1542043000	BUSH	1							
40	3	X0296318020	O-RING	2							
41	3	X0160101640	RING, SNAP	2							
42	3	X1396110000	SEAL, OIL	1							
43	3	X1394110000	SHIM	1							

Fig.36.GOVERNOR COMPONENT PARTS

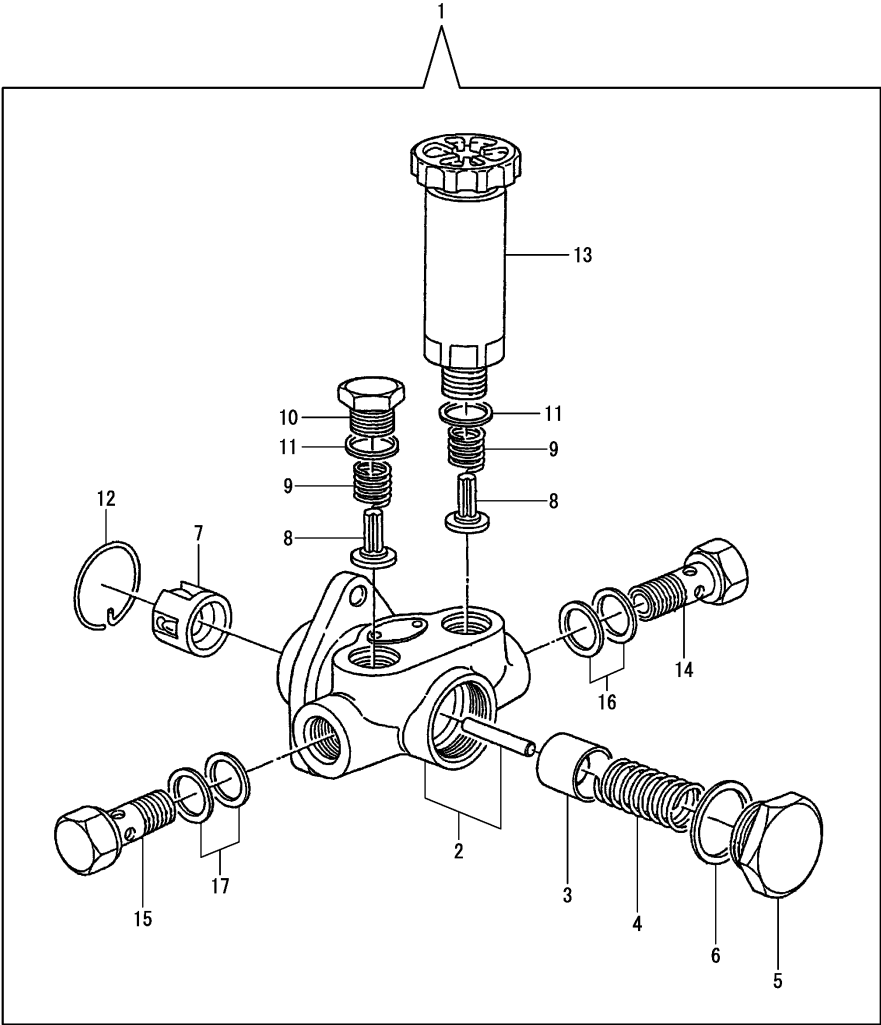


Remarks
(1)For 1200min-1
(2)For 1500,1800min-1

36.GOVERNOR COMPONENT PARTS

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
44	3	X0293111070	SHIM	1							
45	3	X1542043100	BUSH	1							
45-1	3	X1542044400	BUSH	1							N
(A=EXXXXX)											
46	3	X0258031310	WOODRUFF KEY	1							
47	3	X1542062800	COLLAR	1							
48	3	X1542060200	WASHER	1							
49	3	X1542114320	LEVER ASSY, GUIDE	1							
50	3	X1542302920	LINK	1							
51	3	X0160100540	RING, SNAP	1							
52	3	X1542364100	LEVER, TENSION	1							
53	3	X1542370100	PIN	1							
54	3	X1543455320	LEVER	1							
55	3	X1543044720	LEVER	1							
56	3	X0200061640	BOLT	1							
57	3	X1543142600	SPRING	1							
58	3	X0296310030	O-RING	1							
59	3	X1543220100	CAP	1							
60	3	X1543265120	LEVER	1							
61	3	X1543277300	SPRING	1							
62	3	X1540351600	CAP NUT	1							
63	3	X1554125200	IMPELLER	1							
64	3	X1543508700	GASKET	1							
64-1	3	X1543715600	GASKET	1							N
(A=EXXXXX)											
65	3	X1543507800	GASKET	1							
65-1	3	X1543900300	GASKET	1							N
(A=EXXXXX)											
66	3	X0296352020	O-RING	1							
67	3	X0293110010	SHIM T0.2 D14/10.1	1							
68	3	X0293110180	SHIM T0.3 D14/10.1	1							
69	3	X0293110190	SHIM T0.4 D14/10.1	1							
70	3	X0293110210	SHIM T1.0 D14/10.1	1							
71	3	X1394100000	SHIM T0.5 D14/10.1	1							
72	3	X1394100100	SHIM T1.5 D14/10.1	1							
73	3	X1394103000	SHIM T2.0 D14/10.1	1							
74	3	X1394103100	SHIM T3.0 D14/10.1	1							
75	3	X1394103200	SHIM T4.0 D14/10.1	1							
76	3	X0293110520	SHIM	1							
77	3	X0293110530	SHIM	1							
78	3	X0293110540	SHIM	1							
79	3	X0293110550	SHIM	1							
80	3	X0293110560	SHIM	1							
81	3	X0293110570	SHIM	1							
82	1	120325-61100	WIRE 1.0	1							W
(A=EXXXXX)											

Fig.35.FUEL FEED PUMP COMPONENT PARTS



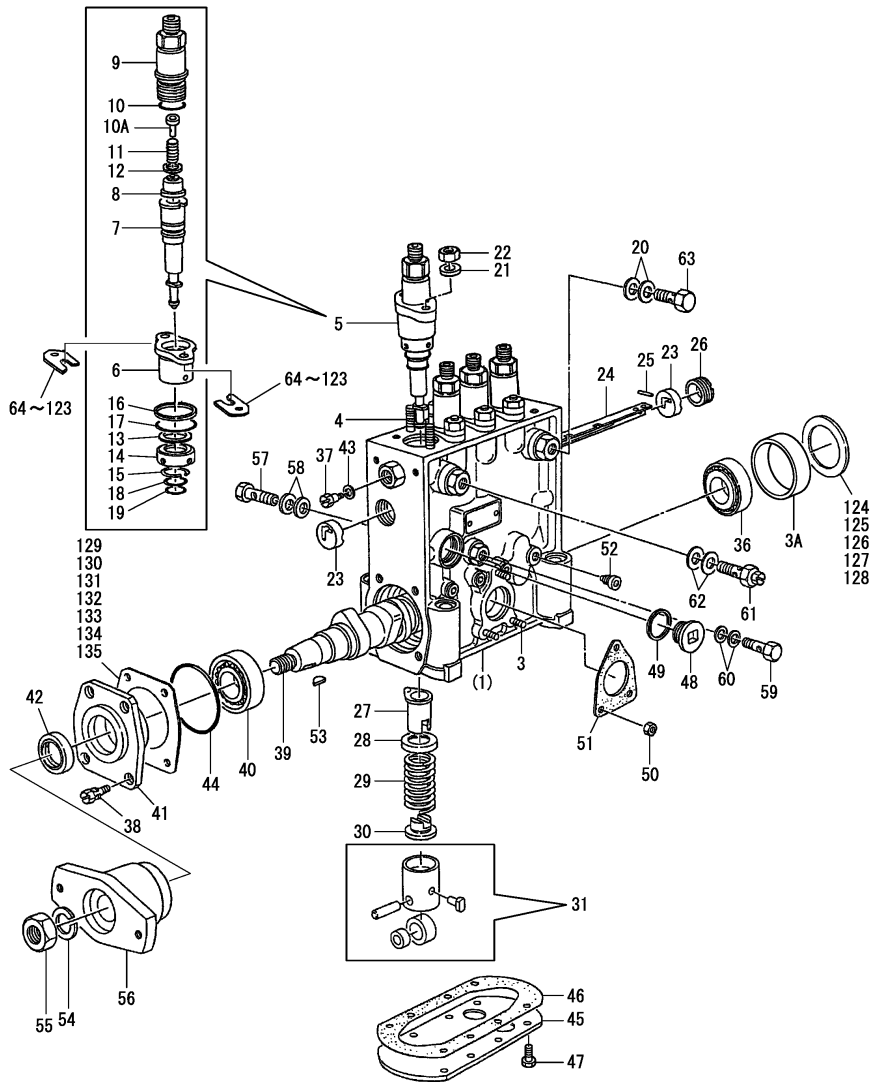
35.FUEL FEED PUMP COMPONENT PARTS

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	126443-52010	PUMP ASSY,OIL FEED	1							
2	3	X1520004620	PUMP, HOUSING	1							
3	3	X1521001120	PISTON	1							
4	3	X1521020400	SPRING, PISTON	1							
4-1	3	121820-52180	SPRING, PISTON	1						N	
(A=EXXXXX)											
5	3	X1521051500	PLUG	1							
6	3	X0293326030	GASKET	1							
7	3	X1521113221	TAPPET	1							
8	3	126652-52210	VALE, FEED PUMP	2							
9	3	X1521160200	SPRING	2							
10	3	X1521170400	PLUG	1							
11	3	X0293316030	GASKET	2							
12	3	X1521210200	RING, SNAP	1							
13	3	X1522005620	PRIMING PUMP	1							
14	3	X1523005920	BOLT	1							
15	3	X0297314080	BOLT	1							
16	3	X0293414130	GASKET	2							
17	3	X0293414130	GASKET	2							

Fig.34.FUEL INJECTION PUMP COMPONENT PARTS

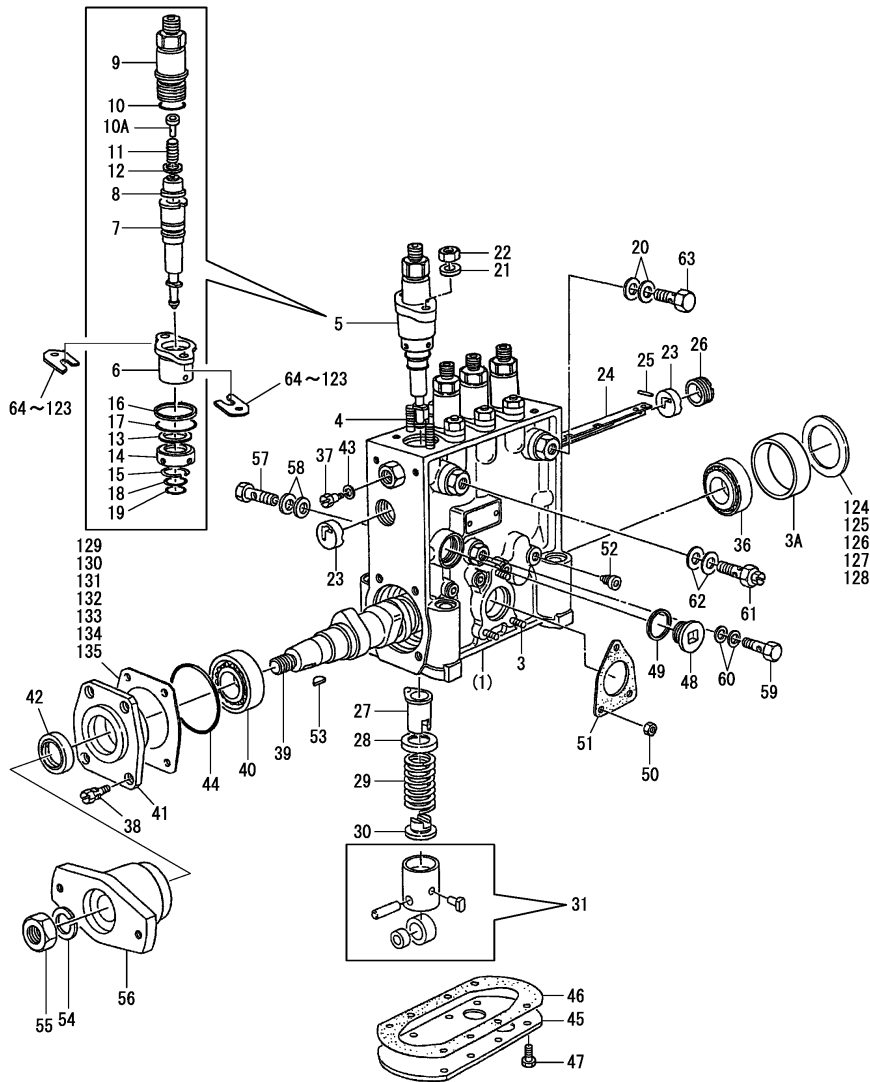


Remarks
(1)For 1200min-1
(2)For 1500,1800min-1
(3)Selection use parts.

34.FUEL INJECTION PUMP COMPONENT PARTS

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	3	X0290406020	STUD	3							
3A	3	X1343110000	RING	1						W	
(A=EXXXXX)											
4	3	X1341380000	BOLT	8							
5	3	X1341659420	PLUNGER W/BARREL	4							1
5-1	3	X1341659421	PLUNGER W/BARREL	4						N	1
(A=*1999.05)											
5A	3	X1341660822	PLUNGER W/BARREL	4						W	2
(A=EXXXXX)											
6	4	X1341311020	FLANGE	4							
6-1	4	X1341311920	FLANGE	4						S	
(A=*1999.05)											
7	4	126654-51110	PLUNGER W/BARREL	4							1
7A	4	X1341539420	PLUNGER W/BARREL	4						W	2
(A=EXXXXX)											
8	4	126660-51400	VALVE W/SEAT,DELIV	4							1
8A	4	126652-51400	DELIVERY VALVE	4						W	2
(A=EXXXXX)											
9	4	126652-51450	HOLDER, DELIVERY	4							
10	4	X0296322070	O-RING	4							
10-1	4	X1397220400	ORING	4						N	
(A=*1999.05)											
10A	4	126652-51460	STOPPER	4						W	
(A=EXXXXX)											
11	4	126652-51330	SPRING	4							
12	4	126652-51470	GASKET	4							
13	4	X0293020140	WASHER	4							
14	4	X1341350200	DEFLECTOR	4							
15	4	X0296020010	SNAP RING	4							
16	4	X1341370100	RING	4							Z
(A=EXXXXX)											
17	4	X0296329030	O-RING	4							
17-1	4	X1397290400	O-RING	4						N	
(A=*1999.05)											
18	4	X0296315020	O-RING	4							
18-1	4	X1397150400	O-RING	4						N	
(A=*1999.05)											
19	4	X0296315020	O-RING	4							
19-1	4	X1397150400	O-RING	4						N	
(A=*1999.05)											
20	3	X0293414130	GASKET	2							
21	3	X1341320300	WASHER	4							
22	3	X0130210040	NUT	8							
23	3	X1340010000	BUSH	2							
24	3	X1342540000	CONTROL RACK	1							
25	3	X0240302030	PIN	1							
26	3	X1342220000	BUSH	1							
27	3	X1342410021	SLEEVE, CONTROL	4							
28	3	X1342160000	SPRING SEAT	4							
29	3	X1342150300	SPRING, PLUNGER	4							
29-1	3	126443-51160	SPRING	4							R

Fig.34.FUEL INJECTION PUMP COMPONENT PARTS



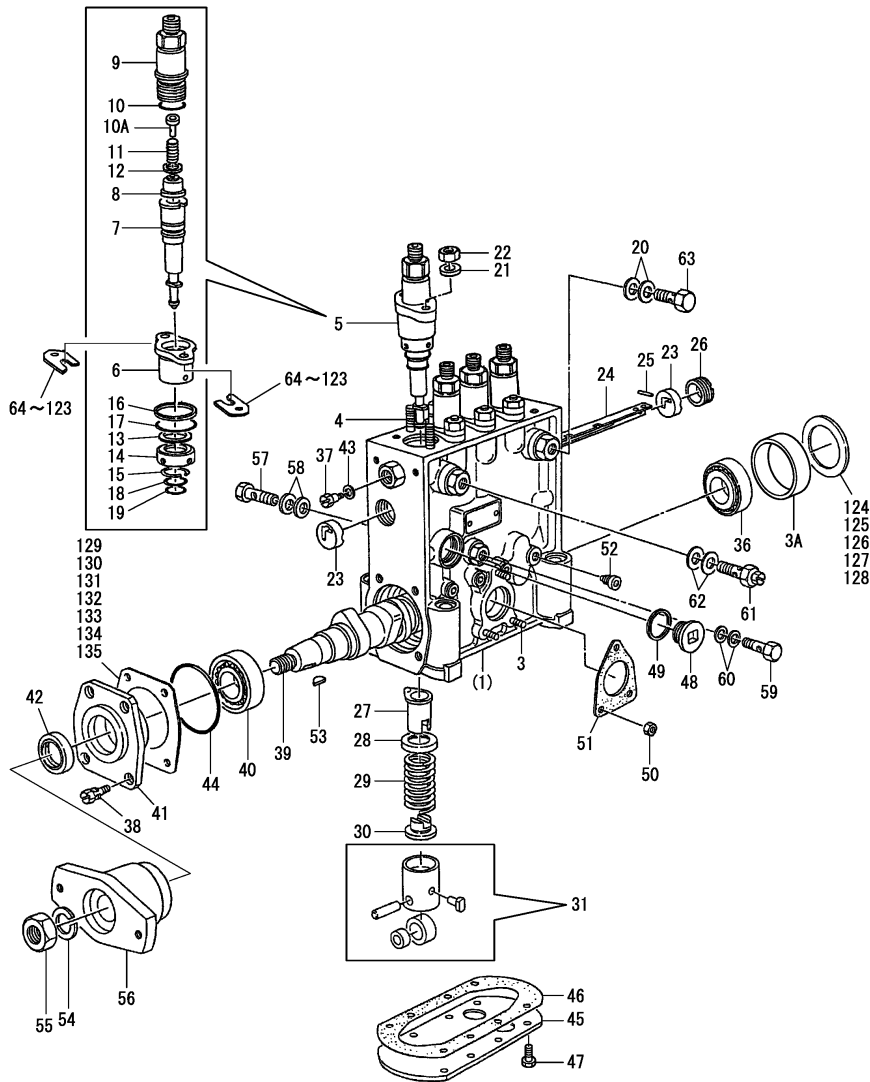
Remarks
(1)For 1200min-1
(2)For 1500,1800min-1
(3)Selection use parts.

34.FUEL INJECTION PUMP COMPONENT PARTS

(A)=4HAL2-TN(1)
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)	I	R
(A=EXXXXX)											
30	3	X1342170500	SPRING SEAT	4							
31	3	X1342000020	TAPPET	4							
36	3	X0166502230	BEARING	1							
37	3	X1314200400	BOLT	1							
38	3	X0290106810	BOLT	4							
39	3	X1343610000	CAMSHAFT	1							
40	3	X0166502230	BEARING	1							
41	3	X1343160100	COVER	1							
42	3	X0267125010	SEAL, OIL	1							
43	3	139653-51990	PACKING	1							
44	3	X0296355010	O-RING	1							
45	3	X1340430200	COVER	1							
46	3	X1340420200	GASKET	1							
47	3	X0122061640	SCREW	8							
48	3	X1340450100	PLUG	1							
49	3	X0265242940	GASKET	1							
50	3	X1392060400	NUT	3							
51	3	X1310410500	GASKET	1							
51-1	3	X1310410900	GASKET	1							N
(A=EXXXXX)											
52	3	X1340470000	PLUG	4							
53	3	X0258051910	WOODRUFF KEY	1							
54	3	X0236418410	SPRING WASHER	1							
55	3	X0131218020	NUT	1							
56	3	X1566396700	COUPLING	1							
57	3	X0297314570	BOLT	1							
58	3	X0293414130	GASKET	2							
59	3	X1344300200	EYE BOLT	1							
60	3	X0293410110	GASKET	2							
61	3	X1314241520	VALVE	1							
62	3	X0293414130	GASKET	2							
63	3	X0297314570	BOLT	1							
64	3	X1394000900	SHIM	1							3
65	3	X1394001000	SHIM	1							3
66	3	X1394001100	SHIM	1							3
67	3	X1394001200	SHIM	1							3
68	3	X1394001300	SHIM	1							3
69	3	X1394001400	SHIM	1							3
70	3	X1394001500	SHIM	1							3
71	3	X1394001600	SHIM	1							3
72	3	X1394001700	SHIM	1							3
73	3	X1394001800	SHIM	1							3
74	3	X1394001900	SHIM	1							3
75	3	X1394002000	SHIM	1							3
76	3	X1394002100	SHIM	1							3
77	3	X1394002200	SHIM	1							3
78	3	X1394002300	SHIM	1							3
79	3	X1394002400	SHIM	1							3
80	3	X1394002500	SHIM	1							3
81	3	X1394002600	SHIM	1							3

Fig.34.FUEL INJECTION PUMP COMPONENT PARTS

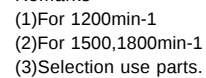


Remarks
(1)For 1200min-1
(2)For 1500,1800min-1
(3)Selection use parts.

34.FUEL INJECTION PUMP COMPONENT PARTS

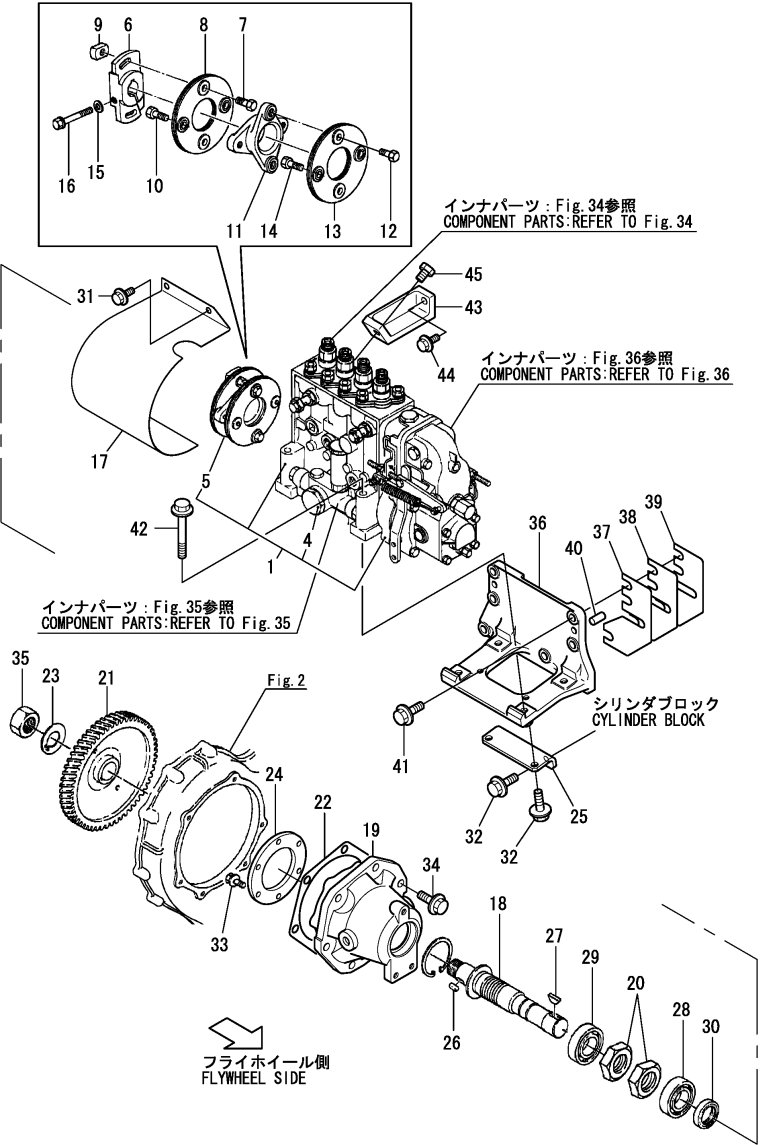
(A)=4HAL2-TN(1)
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
82	3	X1394002700	SHIM	1							3
83	3	X1394002800	SHIM	1							3
84	3	X1394002900	SHIM	1							3
85	3	X1394003000	SHIM	1							3
86	3	X1394003100	SHIM	1							3
87	3	X1394003200	SHIM	1							3
88	3	X1394003300	SHIM	1							3
89	3	X1394003400	SHIM	1							3
90	3	X1394003500	SHIM	1							3
91	3	X1394003600	SHIM	1							3
92	3	X1394003700	SHIM	1							3
93	3	X1394003800	SHIM	1							3
94	3	X1394003900	SHIM	1							3
95	3	X1394004000	SHIM	1							3
96	3	X1394004100	SHIM	1							3
97	3	X1394004200	SHIM	1							3
98	3	X1394004300	SHIM	1							3
99	3	X1394004400	SHIM	1							3
100	3	X1394004500	SHIM	1							3
101	3	X1394004600	SHIM	1							3
102	3	X1394004700	SHIM	1							3
103	3	X1394004800	SHIM	1							3
104	3	X1394004900	SHIM	1							3
105	3	X1394005000	SHIM	1							3
106	3	X1394005100	SHIM	1							3
107	3	X1394005200	SHIM	1							3
108	3	X1394005300	SHIM	1							3
109	3	X1394005400	SHIM	1							3
110	3	X1394005500	SHIM	1							3
111	3	X1394005600	SHIM	1							3
112	3	X1394005700	SHIM	1							3
113	3	X1394005800	SHIM	1							3
114	3	X1394005900	SHIM	1							3
115	3	X1394006000	SHIM	1							3
116	3	X1394006100	SHIM	1							3
117	3	X1394006200	SHIM	1							3
118	3	X1394006300	SHIM	1							3
119	3	X1394006400	SHIM	1							3
120	3	X1394006500	SHIM	1							3
121	3	X1394006600	SHIM	1							3
122	3	X1394006700	SHIM	1							3
123	3	X1394006800	SHIM	1							3
124	3	X1343030000	SHIM	1							
125	3	X1343030100	SHIM	1							
126	3	X1343030200	SHIM	1							
127	3	X1343030300	SHIM	1							
128	3	X1343030400	SHIM	1							
129	3	X1343140000	SHIM	1							
130	3	X1343140100	SHIM	1							
131	3	X1343140200	SHIM	1							
132	3	X1343140300	SHIM	1							



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
133	3	X1343140400	SHIM	1							
134	3	X1343140500	SHIM	1							
135	3	X1343140600	SHIM	1							

Fig.33.FUEL INJECTION PUMP



Remarks
(1)For 1200min-1
(2)For 1500,1800min-1

33.FUEL INJECTION PUMP

(A)=4HAL2-TN(1)
(B)=
(C)=

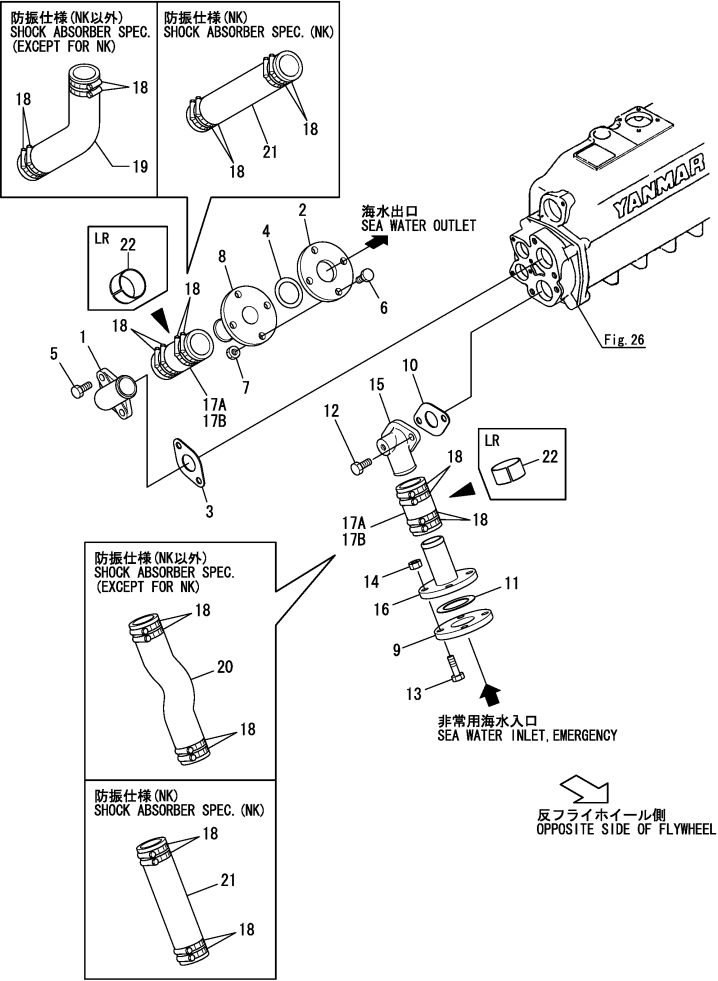
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126443-51010	FUEL OIL PUMP ASSY	1							1
1-1	1	126443-51011	PUMP ASSY,F.INJECT	1						N	1
(A=*1999.05)											
1A	1	126443-51021	PUMP ASSY, F.INJECT.	1						W	2
(A=EXXXXX)											
4	2	126443-52010	PUMP ASSY,OIL FEED	1							
5	2	126443-51580	JOINT	1							
6	3	X1566324200	COUPLING	1							
7	3	X1566333200	BOLT	2							
8	3	X1566055320	PLATE	1							
9	3	X1566172300	NUT	2							
10	3	X1566339800	BOLT	2							
11	3	X1566095300	COUPLING	1							
12	3	X1566339800	BOLT	2							
13	3	X1566055320	PLATE	1							
14	3	X1566338000	BOLT	2							
15	3	X1566152600	WASHER	1							
16	3	X1566037200	BOLT	1							
17	1	126443-54260	COVER	1							
18	1	126443-54350	SHAFT, DRIVING	1							
19	1	126618-54361	BEARING BOX	1							
19-1	1	126618-54362	HOUSING(BEARING,FOP)	1							R
(A=EZZZZZ)											
20	1	128625-54390	NUT	2							
21	1	126660-54400	GEAR	1							
22	1	126617-54433	GASKET, BOX	1							
23	1	135410-54430	WASHER	1							
24	1	126660-54430	RETAINOR	1							
25	1	126443-54060	SUPPORT	1							
26	1	22512-100240	KEY, 10X24	1							
27	1	22522-060220	KEY, WOODRUFF 6X22	1							
28	1	24101-062074	BALL BEARING	1							
29	1	24101-063084	BALL BEARING	1							
30	1	24423-355008	SEAL, OIL	1							
31	1	26106-080102	BOLT M 8X 10 PLATED	2							
32	1	26106-080162	BOLT M 8X 16 PLATED	4							
33	1	26106-080182	BOLT M 8X 18 PLATED	6							
34	1	26106-100302	BOLT M10X 30 PLATED	6							
35	1	26772-270002	LOCK NUT M27	1							
35-1	1	26776-270002	LOCK NUT M27 PLATED	1							N
(A=EXXXXX)											
36	1	126443-54010	BRACKET, PUMP	1							
37	1	126443-54020	SHIM (0.1	2							
38	1	126443-54030	SHIM (0.2	2							
39	1	126443-54040	SHIM (0.3	2							
40	1	22312-100200	PARALLEL PIN, M10X20	2							
41	1	26106-100302	BOLT M10X 30 PLATED	6							
42	1	26106-100752	BOLT M10X 75 PLATED	4							
43	1	126443-54430	SUPPORT	2							
44	1	26106-080182	BOLT M 8X 18 PLATED	2							
45	1	26156-140202	BOLT M14X 20	2							

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
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Fig.32.COOLING SEA WATER PIPE(W/O COOLING SEA WATER PUMP SPEC.)

CSWポンプ無し仕様
W/O C. S. W. PUMP SPEC.



- Remarks
- (1)Common-bed fix spec.
(Except for NK)
 - (2)Common-bed fix spec.(NK)
 - (3)Shock absorber spec.
(Except for NK)
 - (4)Shock absorber spec.(NK)
 - (5)LR

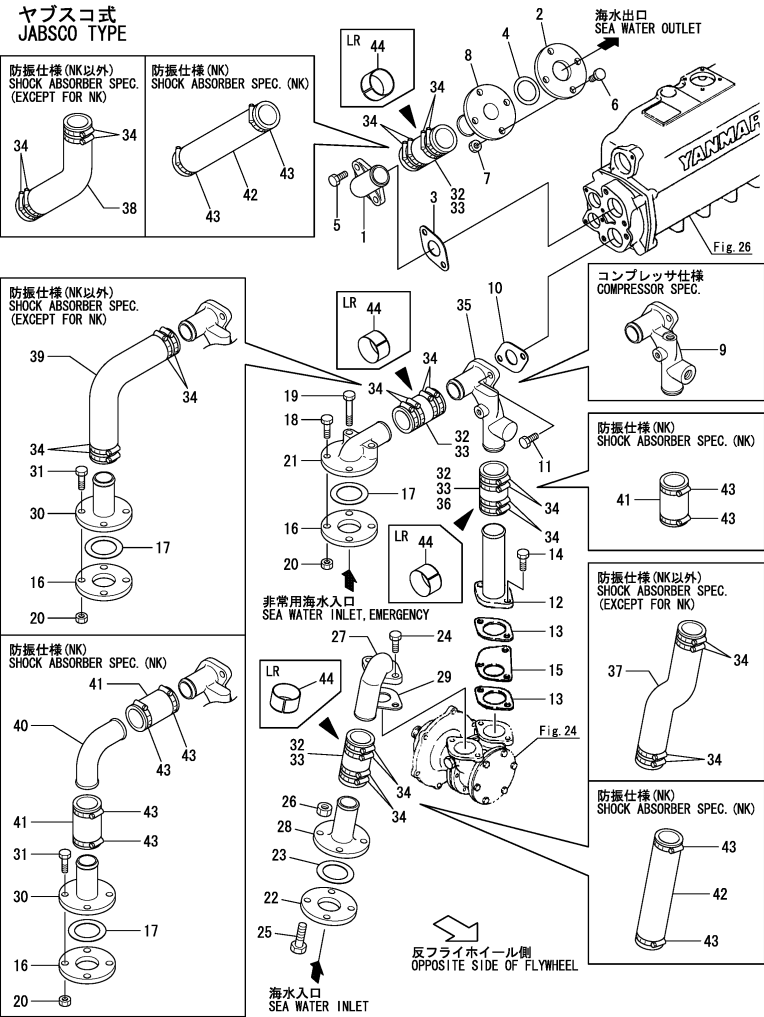
32.COOLING SEA WATER PIPE(W/O COOLING SEA WATER PUMP SPEC.)

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126630-49150	BEND	1							
2	1	23211-040049	FLANGE 40,RD.	1							
3	1	23421-440000	PACKING,OVAL 44X15	1							
4	1	23431-040000	GASKET 40	1							
5	1	26116-120302	BOLT M12X 30 PLATED	2							
6	1	26116-120402	BOLT M12X 40	4							
7	1	26716-120002	NUT 12	4							
8	1	43560-552370	BEND	1							
8-1	1	43560-552371	BEND	1							N
(A=EZZZZZ)											
9	1	23211-040049	FLANGE 40,RD.	1							
10	1	23421-440000	PACKING,OVAL 44X15	1							
11	1	23431-040000	GASKET 40	1							
12	1	26116-120302	BOLT M12X 30 PLATED	2							
13	1	26116-120402	BOLT M12X 40	4							
14	1	26716-120002	NUT 12	4							
15	1	43560-551250	BEND	1							
16	1	43560-552370	BEND	1							
16-1	1	43560-552371	BEND	1							N
(A=EZZZZZ)											
17A	1	126650-49440	CONNECTOR	2							1
17B	1	43720-557010	HOSE	2							2
18	1	43730-552161	CLIP HOSE,61	8							
19	1	43720-554860	PIPE	1							3
20	1	43720-554980	JOINT	1							3
21	1	43720-561640	JOINT,RUBBER	2							4
22	1	126634-49120	COVER	2							W 5
(A=EXXXXX)											

Fig.31.COOLING SEA WATER PIPE(JABSCO TYPE)



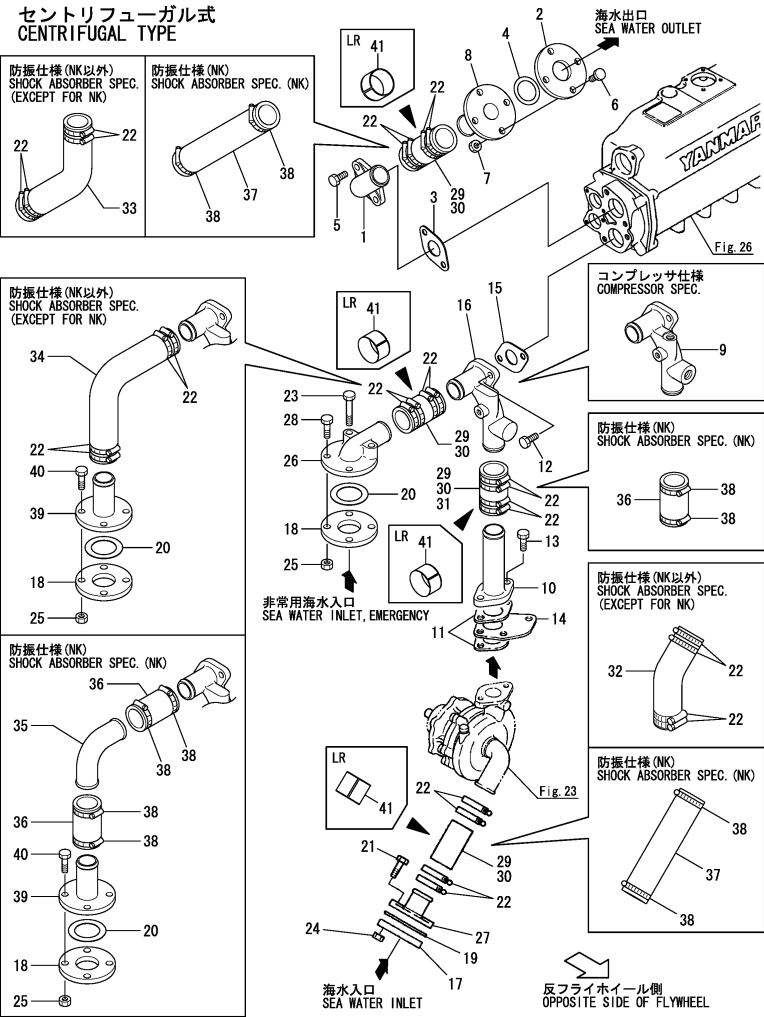
- Remarks
- (1)Compressor spec.
 - (2)Common-bed fix spec.
 - (3)Shock absorber spec.
 - (4)Common-bed fix spec.
(Except for NK)
 - (5)Common-bed fix spec.(NK)
 - (6)W/O compressor spec.
 - (7)Shock absorber spec.
(Except for NK)
 - (8)Shock absorber spec.(NK)
 - (9)LR

31.COOLING SEA WATER PIPE(JABSCO TYPE)

(A)=4HAL2-TN(1)
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126630-49150	BEND	1							
2	1	23211-040049	FLANGE 40,RD.	1							
3	1	23421-440000	PACKING,OVAL 44X15	1							
4	1	23431-040000	GASKET 40	1							
5	1	26116-120302	BOLT M12X 30 PLATED	2							
6	1	26116-120402	BOLT M12X 40	4							
7	1	26716-120002	NUT 12	4							
8	1	43560-552370	BEND	1							
8-1	1	43560-552371	BEND	1						N	
(A=EZZZZZ)											
9	1	126443-49500	BEND	1							1
10	1	23421-440000	PACKING,OVAL 44X15	1							
11	1	26116-120302	BOLT M12X 30 PLATED	2							
12	1	126443-49520	BEND	1							
13	1	23421-440000	PACKING,OVAL 44X15	2							
14	1	26116-120352	BOLT M12X 35 PLATED	2							
15	1	43330-001170	FLANGE	1							
16	1	23211-040049	FLANGE 40,RD.	1							
17	1	23431-040000	GASKET 40	1							
18	1	26116-120402	BOLT M12X 40	2							2
19	1	26116-120702	BOLT M12X 70 PLATED	2							2
20	1	26716-120002	NUT 12	4							
21	1	41649-557740	BEND	1							2
22	1	23211-040049	FLANGE 40,RD.	1							
23	1	23431-040000	GASKET 40	1							
24	1	26116-120352	BOLT M12X 35 PLATED	2							
25	1	26116-120402	BOLT M12X 40	4							
26	1	26716-120002	NUT 12	4							
27	1	43560-550511	PIPE	1							
28	1	43560-552370	BEND	1							
28-1	1	43560-552371	BEND	1						N	
(A=EZZZZZ)											
29	1	23421-440000	PACKING,OVAL 44X15	1							
30	1	43560-552370	BEND	1							3
30-1	1	43560-552371	BEND	1						N	3
(A=EZZZZZ)											
31	1	26116-120402	BOLT M12X 40	4							3
32	1	126650-49440	CONNECTOR	4							4
33	1	43720-557010	HOSE	4							5
34	1	43730-552161	CLIP HOSE,6L	16							
35	1	126443-49550	BEND	1							6
36	1	126650-49440	CONNECTOR	1							7
37	1	43720-553591	PIPE, C. WATER	1							7
38	1	43720-554860	PIPE	1							7
39	1	43720-554920	PIPE	1							7
40	1	43560-551541	BEND	1							8
41	1	43720-557010	HOSE	3							8
42	1	43720-551640	JOINT,RUBBER	2							8
43	1	43730-552161	CLIP HOSE,6L	10							8
44	1	126634-49120	COVER	4						W	9
(A=EXXXXX)											

Fig.30.COOLING SEA WATER PIPE(CENTRIFUGAL TYPE)



- Remarks
- (1)Compressor spec.
 - (2)W/O compressor spec.
 - (3)Common-bed fix spec.
 - (4)Common-bed fix spec. (Except for NK)
 - (5)Common-bed fix spec.(NK)
 - (6)Shock absorber spec. (Except for NK)
 - (7)Shock absorber spec.(NK)
 - (8)Shock absorber spec.
 - (9)LR

30.COOLING SEA WATER PIPE(CENTRIFUGAL TYPE)

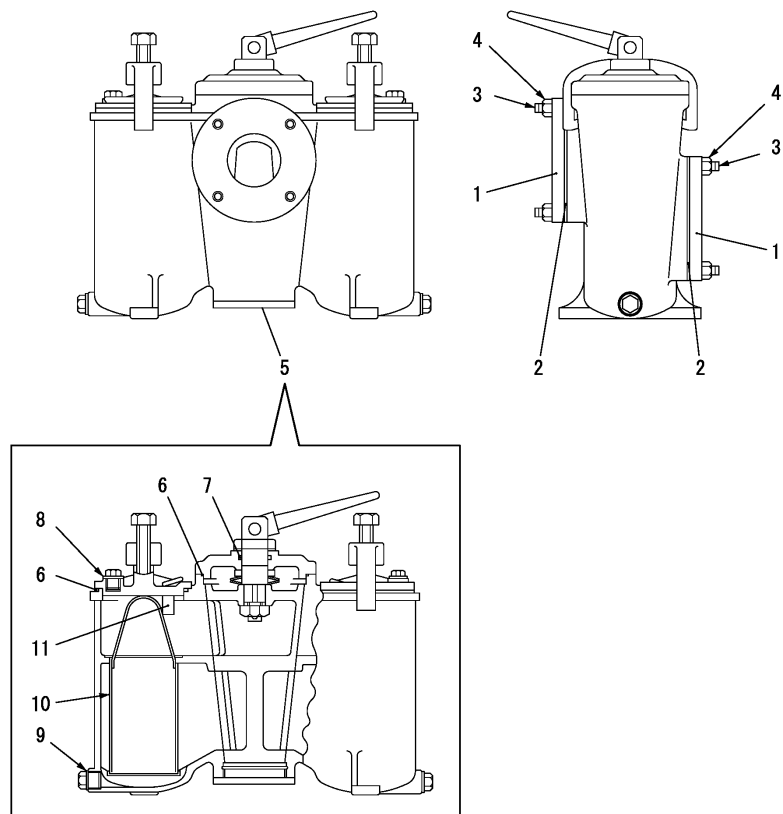
(A)=4HAL2-TN(1)
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126630-49150	BEND	1							
2	1	23211-040049	FLANGE 40,RD.	1							
3	1	23421-440000	PACKING,OVAL 44X15	1							
4	1	23431-040000	GASKET 40	1							
5	1	26116-120302	BOLT M12X 30 PLATED	2							
6	1	26116-120402	BOLT M12X 40	4							
7	1	26716-120002	NUT 12	4							
8	1	43560-552370	BEND	1							
8-1	1	43560-552371	BEND	1							N
(A=EZZZZZ)											
9	1	126443-49500	BEND	1							1
10	1	126443-49510	PIPE, SEA WATER	1							
11	1	23421-440000	PACKING,OVAL 44X15	2							
12	1	26116-120302	BOLT M12X 30 PLATED	2							
13	1	26116-120352	BOLT M12X 35 PLATED	2							
14	1	43330-001170	FLANGE	1							
15	1	23421-440000	PACKING,OVAL 44X15	1							
16	1	126443-49550	BEND	1							2
17	1	23211-040049	FLANGE 40,RD.	1							
18	1	23211-040049	FLANGE 40,RD.	1							
19	1	23431-040000	GASKET 40	1							
20	1	23431-040000	GASKET 40	1							
21	1	26116-120402	BOLT M12X 40	4							
22	1	43730-552161	CLIP HOSE 6L	16							
23	1	26116-120702	BOLT M12X 70 PLATED	2							3
24	1	26716-120002	NUT 12	4							
25	1	26716-120002	NUT 12	4							
26	1	41649-557740	BEND	1							3
27	1	43560-552370	BEND	1							
27-1	1	43560-552371	BEND	1							N
(A=EZZZZZ)											
28	1	26116-120402	BOLT M12X 40	2							3
29	1	126650-49440	CONNECTOR	4							4
30	1	43720-557010	HOSE	4							5
31	1	126650-49440	CONNECTOR	1							6
32	1	43720-554860	PIPE	1							6
33	1	43720-554860	PIPE	1							6
34	1	43720-554920	PIPE	1							6
35	1	43560-551541	BEND	1							7
36	1	43720-557010	HOSE	3							7
37	1	43720-561640	JOINT,RUBBER	2							7
38	1	43730-552161	CLIP HOSE 6L	10							7
39	1	43560-552370	BEND	1							8
39-1	1	43560-552371	BEND	1							N 8
(A=EZZZZZ)											
40	1	26116-120402	BOLT M12X 40	4							8
41	1	126634-49120	COVER	4							W 9
(A=EXXXXX)											



(F)=

[illegible]



65.(28C)COOLING SEA WATER STRAINER(DUPLEX)

(A)=4HAL2-TN(1)

(B)=

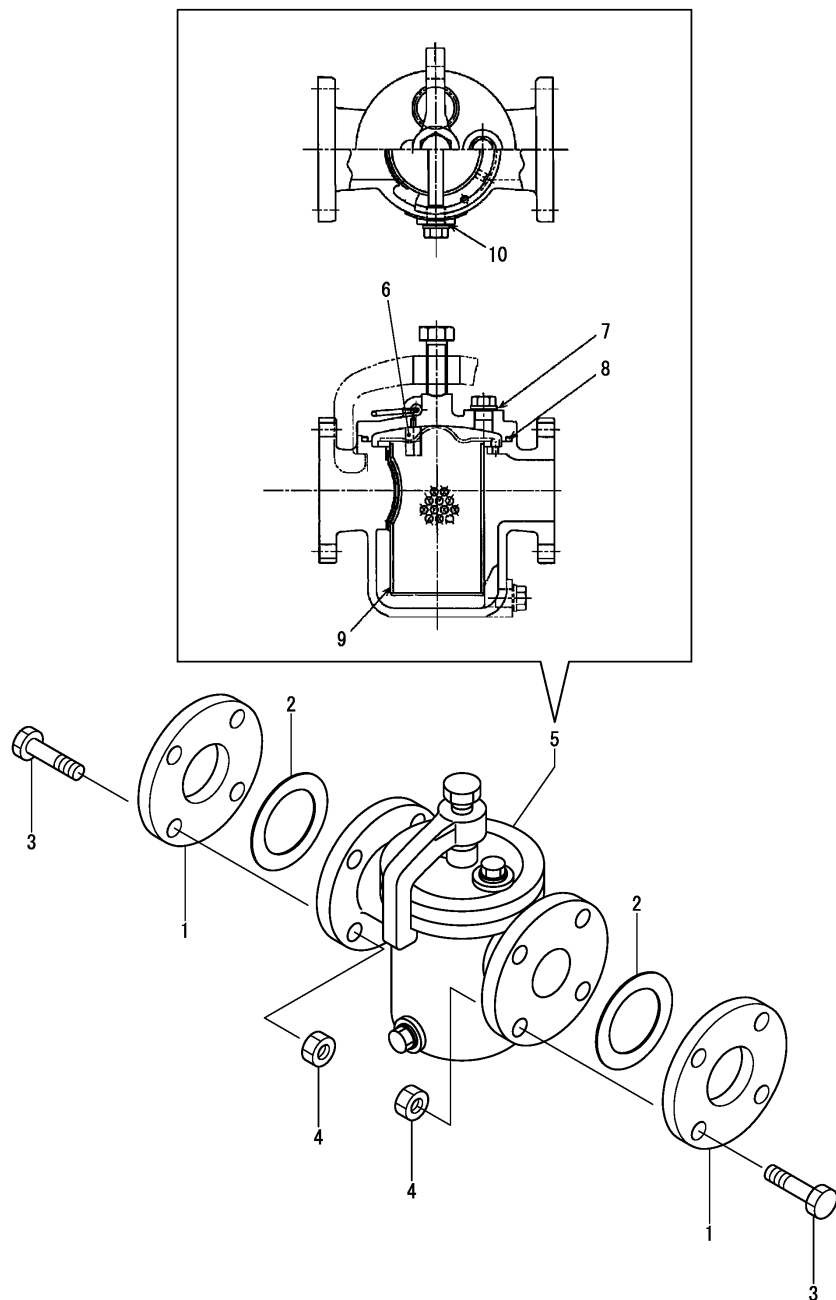
(C)=

(D)=

$$(E)=$$

(F)=

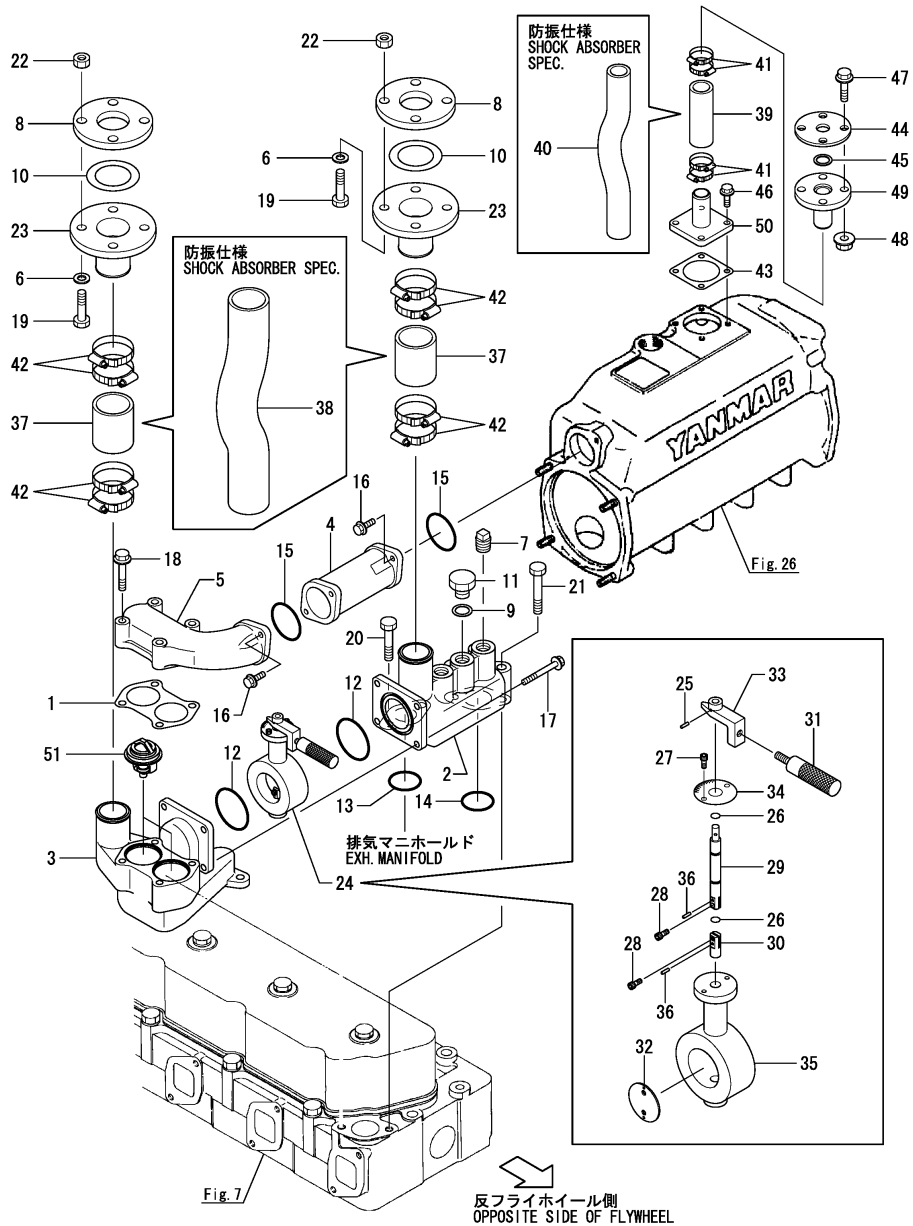
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	23211-050049	FLANGE 50	2							
2	1	23431-050000	GASKET 50	2							
3	1	26214-120282	STUD M12X28	8							
4	1	26714-120002	NUT M12	8							
5	1	43600-021910	FILTER 50ADPLX.C.W.	1							
6	2	40000-014590	O-RING G95	3							
7	2	40000-014760	O-RING P26	1							
8	2	40000-014900	GASKET	2							
9	2	40000-014910	GASKET	2							
10	2	42430-015320	ELEMENT,CW,STRAINER	2							
11	2	40000-009970	ZINC	2							



(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	23211-040049	FLANGE 40.RD.	2							
2	1	23431-040000	GASKET 40	2							
3	1	26116-120502	BOLT M12X 50	8							
4	1	26716-120002	NUT 12	8							
5	1	43600-556650	STRAINER	1							
6	2	40000-011110	ANTI-CORROSION ZN	1							
7	2	40000-014900	GASKET	2							
8	2	40000-016130	O-RING	1							
9	2	42430-552260	FILTER CYLINDER	1							
10	2	40000-014900	GASKET	1							

Fig.63.(28A)HOT WATER SYSTEM



Remarks

- (1)Common-bed fix spec.
- (2)Shock absorber spec.

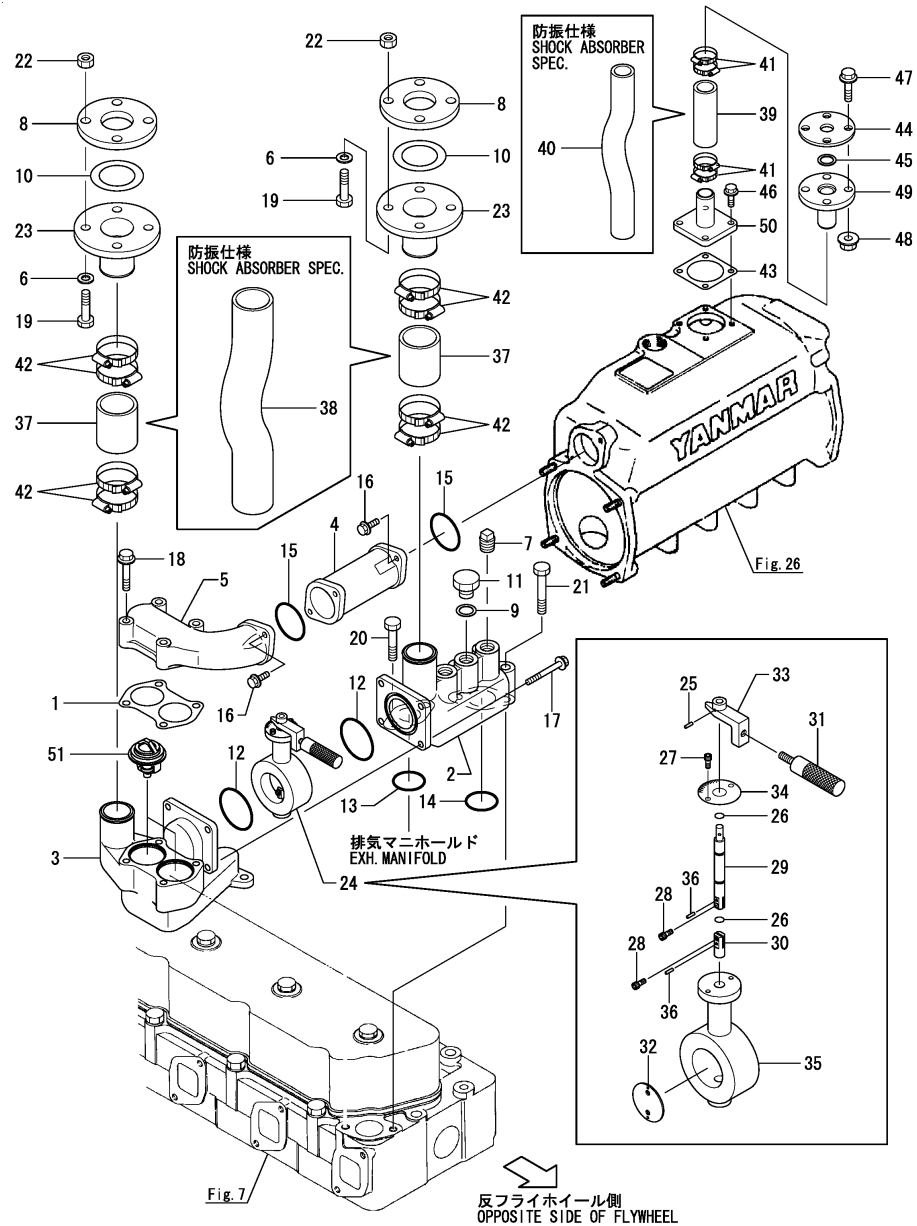
63.(28A)HOT WATER SYSTEM

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126635-48361	GASKET, COVER	1							
2	1	126443-48450	BEND,FCW OUT	1							
3	1	126443-48460	CASE, THERMOSTAT	1							
4	1	126443-48470	JOINT, INLET JOINT	1							
5	1	126443-49120	BEND	1							
6	1	22117-120000	WASHER 12	8							
7	1	23171-040000	PLUG, PT1/2	1							
8	1	23211-040049	FLANGE 40,RD.	2							
9	1	23414-210000	PACKING 21X 1,RD.	1							
10	1	23431-040000	GASKET 40	2							
11	1	23894-040002	PLUG G1/2,HEX	1							
12	1	24321-000650	O-RING 1A G-65.0	2							
13	1	24326-000450	O-RING, 4D G45	1							
14	1	24326-000500	O-RING 4D G 50	1							
15	1	24326-000600	O-RING, G=60	2							
16	1	26106-080252	BOLT M 8X 25 PLATED	4							
17	1	26106-080702	BOLT M 8X 70 PLATED	4							
18	1	26106-100552	BOLT M10X 55 PLATED	4							
19	1	26116-120502	BOLT M12X 50	8							
20	1	26116-120602	BOLT M12X 60 PLATED	2							
21	1	26116-120752	BOLT M12X 75 PLATED	2							
22	1	26716-120002	NUT 12	8							
23	1	43560-552840	JOINT, WATER IN/OUT	2							
24	1	43600-551750	VALVE	1							
24-1	1	43600-551751	VALVE	1							R
(A=EZZZZZ)											
25	2	22351-030016	SPRING PIN 3X16	1							W
(A=EZZZZZ)											
26	2	24311-000090	O-RING 1A P-9.0	2							W
(A=EZZZZZ)											
27	2	26450-050122	BOLT, M5X12	2							W
(A=EZZZZZ)											
28	2	26453-050122	BOLT, 5 X 12	2							W
(A=EZZZZZ)											
29	2	43600-557000	SHAFT(LONG	1							W
(A=EZZZZZ)											
30	2	43600-557010	SHAFT(SHORT	1							W
(A=EZZZZZ)											
31	2	43600-557020	LEVER	1							W
(A=EZZZZZ)											
32	2	43600-557040	PLATE(50	1							W
(A=EZZZZZ)											
33	2	43600-557060	CAP	1							W
(A=EZZZZZ)											
34	2	43600-557070	PLATE(GRADUATION	1							W
(A=EZZZZZ)											
35	2	43600-557090	BODY(50	1							W
(A=EZZZZZ)											
36	2	45511-551980	PIN, 3.0A X 10	2							W
(A=EZZZZZ)											
37	1	126630-49430	JOINT	2							1

Fig.63.(28A)HOT WATER SYSTEM

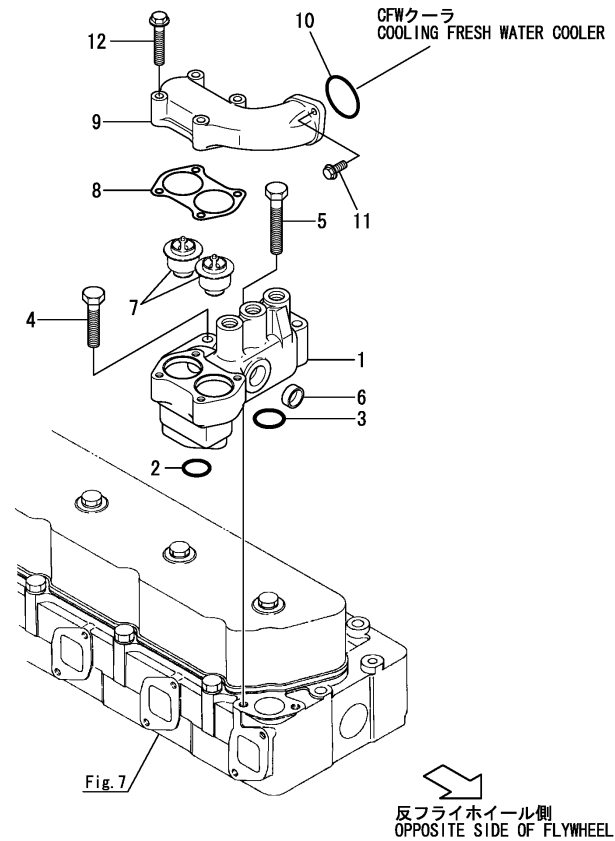


Remarks
(1)Common-bed fix spec.
(2)Shock absorber spec.

63.(28A)HOT WATER SYSTEM

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
38	1	43720-555010	PIPE	2							2
39	1	43720-553410	PIPE	1							1
40	1	43720-554960	PIPE,FLEXIBLE	1							2
41	1	43730-552151	CLIP 5L HOSE	4							
42	1	43730-552171	CLIP HOSE,71	8							
43	1	126650-44610	GASKET, FILLER	1							
44	1	23211-020027	FLANGE	1							
45	1	23431-020000	GASKET 20	1							
46	1	26106-080252	BOLT M8X.25 PLATED	4							
47	1	26106-100402	BOLT M10X.40 PLATED	4							
48	1	26366-100002	NUT M10	4							
49	1	43560-551010	JOINT (B)	1							
50	1	43560-551030	JOINT (A)	1							
51	1	126634-48180	THERMOSTAT	2							

Fig.28.COOLING FRESH WATER THRMOSTAT



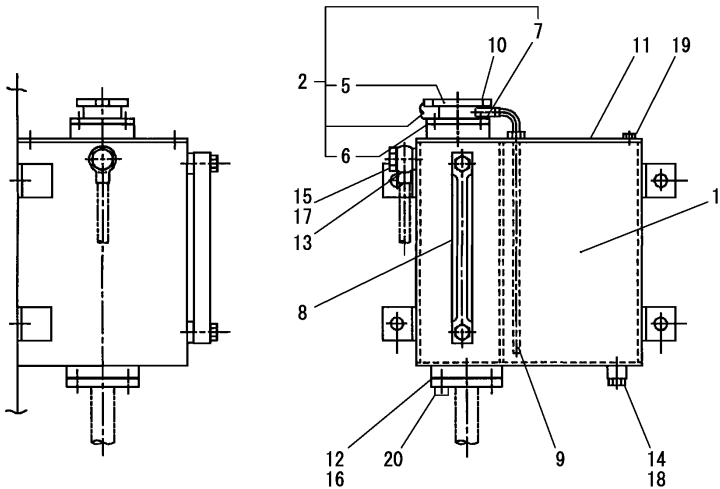
28.COOLING FRESH WATER THRMOSTAT

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126443-48100	TERMOSTAT	1							
2	1	24326-000450	O-RING, 4D G45	1							
3	1	24326-000500	O-RING 4D G 50	1							
4	1	26116-120602	BOLT M12X 60 PLATED	2							
5	1	26116-120752	BOLT M12X 75 PLATED	2							
6	1	27241-300000	PLUG 30	1							
7	1	126634-48180	TERMOSTAT	2							
8	1	126635-48361	GASKET, COVER	1							
9	1	126443-49120	BEND	1							
10	1	24326-000600	O-RING, G=60	1							
11	1	26106-080202	BOLT M 8X 20 PLATED	2							
12	1	26106-100552	BOLT M10X 55 PLATED	4							

Fig.62.(27A)HEAD TANK



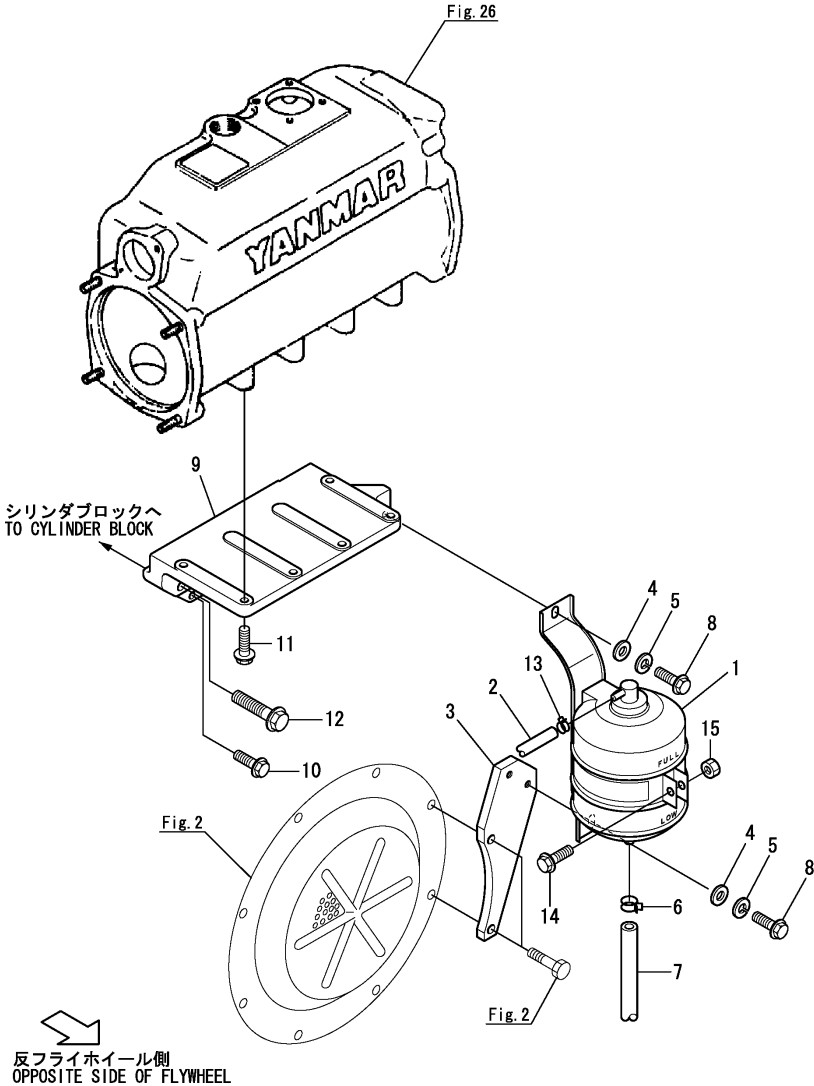
62.(27A)HEAD TANK

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	43230-554090	BLOCK HEAD TANK	1							
2	1	126677-44600	FILLER ASSY	1							
5	3	X2351073416	CAP	1							
6	2	126650-44610	GASKET, FILLER	1							
7	2	26106-080162	BOLT M 8X 16 PLATED	4							
8	1	42130-551550	GAUGE	1							
9	1	43714-552860	PIPE	1							
9-1	1	43714-556000	PIPE	1							N
(A=EXXXXX)											
10	1	128296-07250	LABEL, CAUTION	1							
11	1	43230-554100	COVER, BLIND	1							
12	1	23211-025027	FLANGE 25 RD.	1							
13	1	23344-120000	JOINT, PIPE 12X18	1							
14	1	23414-120000	GASKET 12, ROUND	1							
15	1	23414-180000	GASKET 18, ROUND	2							
16	1	23431-025000	GASKET 25	1							
17	1	23854-120000	JOINT BOLT 12	1							
18	1	23884-120002	PLUG M12 HEX.	1							
19	1	26106-060102	BOLT 6X 10 PLATED	4							
20	1	26106-100222	BOLT M10X 22 PLATED	4							

Fig.27.SUB-TANK



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	175510-44510	SUB RESERVOIR ASSY	1							
2	1	123482-44570	PIPE	1							
3	1	126660-44660	BRACKET B	1							
4	1	22137-080000	WASHER 8, POLISHED	2							
5	1	22217-080000	WASHER, 8	2							
6	1	23000-013000	CLAMP 13	1							
7	1	23061-070450	PIPE 7X 450	1							
8	1	26106-080162	BOLT M 8X 16 PLATED	2							
9	1	126443-44600	BRACKET	1							
10	1	26106-080252	BOLT M 8X 25 PLATED	2							
11	1	26106-080252	BOLT M 8X 25 PLATED	6							
12	1	26106-100452	BOLT M10X 45 PLATED	5							
13	1	23010-009000	CLAMP 9	1							
14	1	26106-100252	BOLT M10X 25 PLATED	1							
15	1	26706-100002	NUT M10	1							

Fig.26.COOLING FRESH WATER COOLER

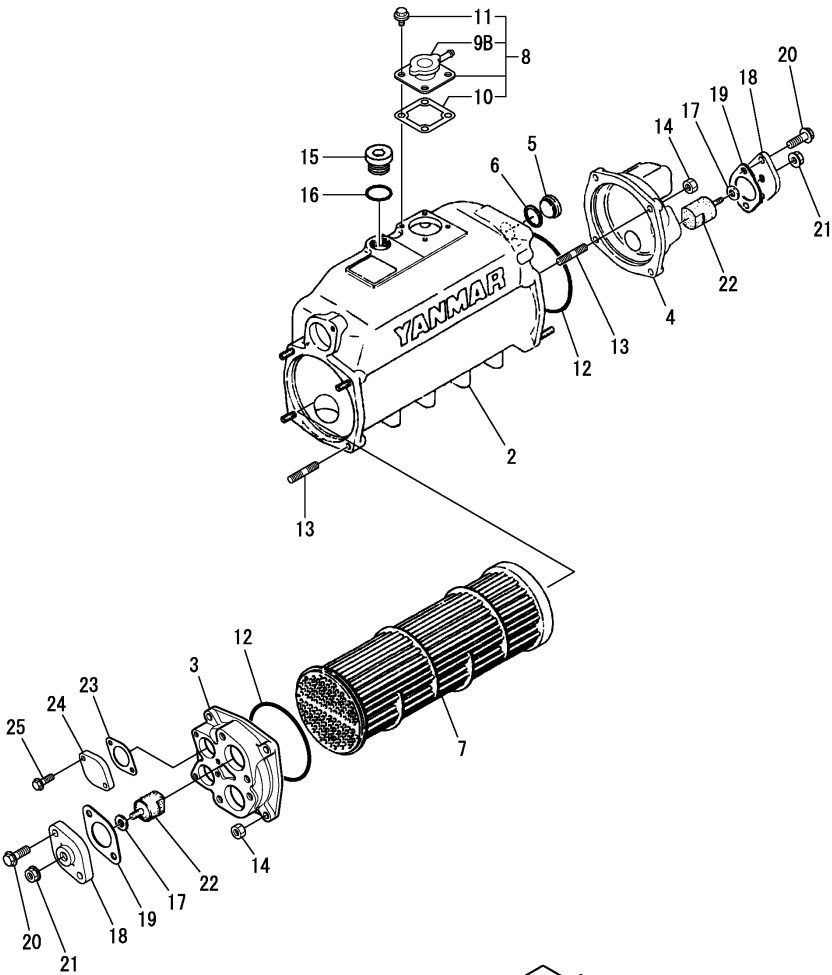
26.COOLING FRESH WATER COOLER

(A)=4HAL2-TN(1)
(B)=
(C)=

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

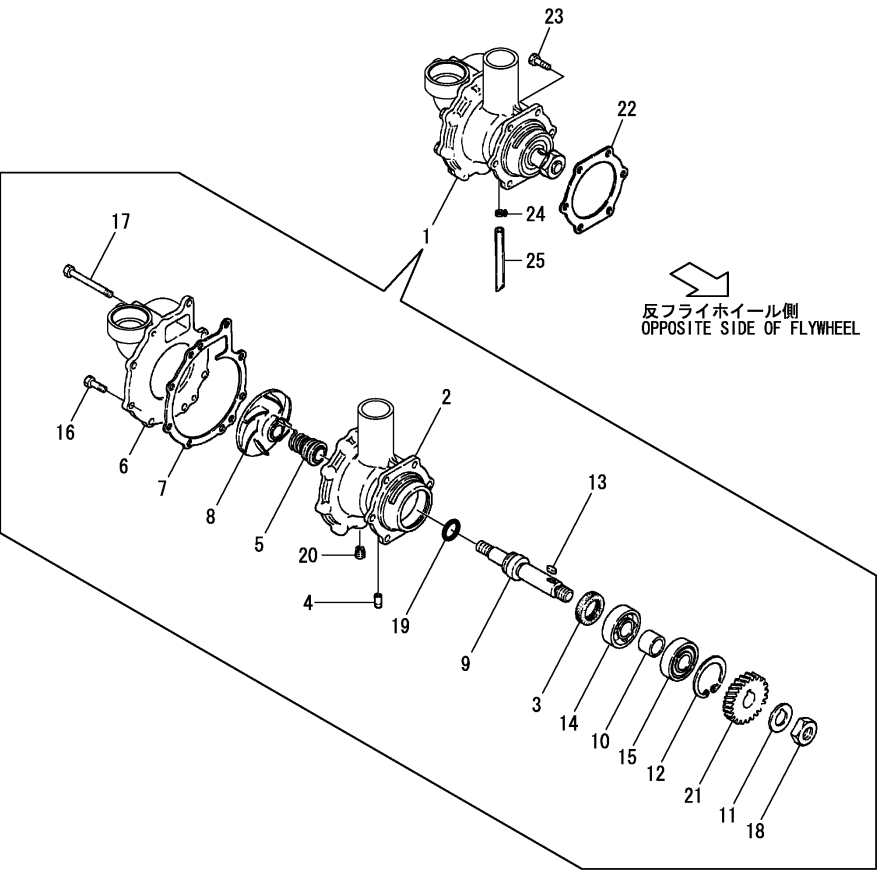
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	726443-44500	COOLER ASSY,F.W.	1							
2	2	128620-44011	BODY	1							
3	2	126635-44420	COVER	1							
4	2	126630-44431	COVER (B), COOLER	1							
5	2	127610-11750	PLUG(M3X15	1							
6	2	127610-11760	PACKING	1							
7	2	126443-44210	CORE ASSY, COOLER	1							
8	2	126677-44600	FILLER ASSY	1							
9B	4	X2351073416	CAP	1							
10	3	120445-44640	GASKET	1							
10-1	3	126650-44610	GASKET, FILLER	1							N
(A=FROM 1ST)											
11	3	26106-080162	BOLT M 8X 16 PLATED	4							
12	2	24311-001500	O-RING 1A P-150.0	2							
13	2	26226-100302	STUD M10X 30 PLATED	8							
13-1	2	26226-100252	STUD M10X 25 PLATED	8							N
(A=EXXXXX)											
14	2	26706-100002	NUT M10	8							
15	1	127610-44900	PLUG(M36X15	1							
16	1	23414-360048	PACKING -36	1							
17	1	123210-09310	PACKING	4							
18	1	125110-09320	FLANGE, ZINC	4							
19	1	125110-09330	GASKET, ZINC	4							
20	1	26106-080202	BOLT M 8X 20 PLATED	8							
21	1	26366-080002	NUT M 8	4							
22	1	27200-300400	ZINC, ANTI-CORROSIVE	4							
23	1	125110-09330	GASKET, ZINC	4							
24	1	126630-44820	COVER	4							
25	1	26106-080202	BOLT M 8X 20 PLATED	8							

1 inc. 2~14



反フライホイール側
OPPOSITE SIDE OF FLYWHEEL

Fig.25.COOLING FRESH WATER PUMP

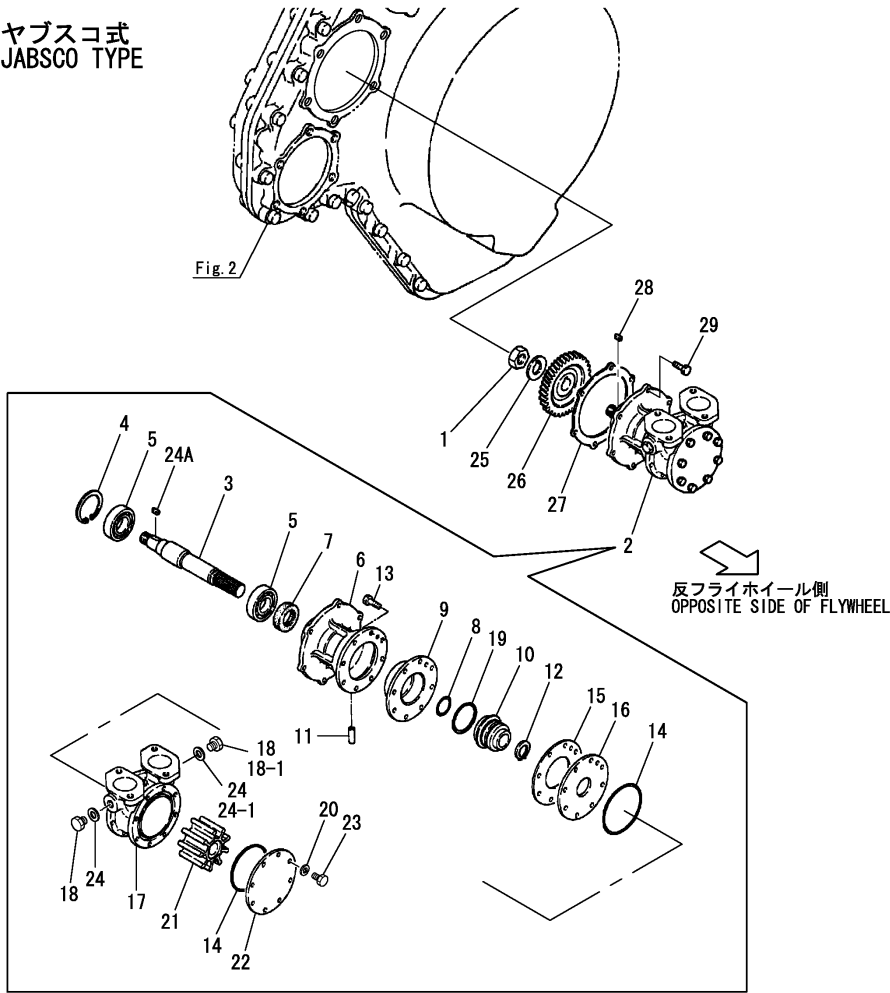


25.COOLING FRESH WATER PUMP

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126443-43100	PUMP ASSY	1							
1-1	1	126443-43101	PUMP ASSY, C. WATER	1							N
(A=*2002.09)											
2	2	126660-43010	BODY	1							
3	2	125110-01830	OIL SEAL TC38-50-8	1							
3-1	2	126665-43400	OIL SEAL	1							N
(A=*2002.09)											
4	2	120130-42130	PIPE	1							
5	2	126630-43160	SEAL, MECHANICAL	1							
5-1	2	126630-43161	SEAL, MECHANICAL	1							N
(A=*2000.08)											
6	2	126443-43020	COVER, C.W.PUMP BODY	1							
7	2	126630-43111	GASKET, PUMP	1							
7-1	2	126630-43112	GASKET	1							N
(A=FROM 1ST)											
8	2	126660-43201	INPELLER	1							
9	2	126660-43241	SHAFT	1							
10	2	126630-43330	SPACER	1							
11	2	22137-200000	WASHER, 20	1							
12	2	22252-000620	CIRCLIP 62(H)	1							
13	2	22512-070140	KEY, 7X14	1							
14	2	24101-063054	BEARING #6305	1							
15	2	24101-063054	BEARING #6305	1							
16	2	26106-080252	BOLT M 8X 25 PLATED	6							
17	2	26106-080852	BOLT M 8X 85 PLATED	2							
18	2	26736-200002	NUT M20	1							
19	2	24311-000200	O-RING 1A P-20.0	1							
20	2	23871-020000	PLUG PT1/4, SCREW	1							
20-1	2	23876-020000	PLUG PT1/4, SCREW	1							N
(A=EXXXXX)											
21	2	126630-43450	GEAR	1							
22	1	126660-01580	GASKET	1							
23	1	26106-080222	BOLT M 8X 22 PLATED	6							
24	1	23010-010000	CLAMP 10	2							
24-1	1	23010-010000	CLAMP 10	1							K
(A=EXXXXX)											
25	1	23061-070300	PIPE 7X 300	2							
25-1	1	23061-070300	PIPE 7X 300	1							K
(A=EXXXXX)											

Fig.24.COOLING SEA WATER PUMP(JABSCO TYPE)

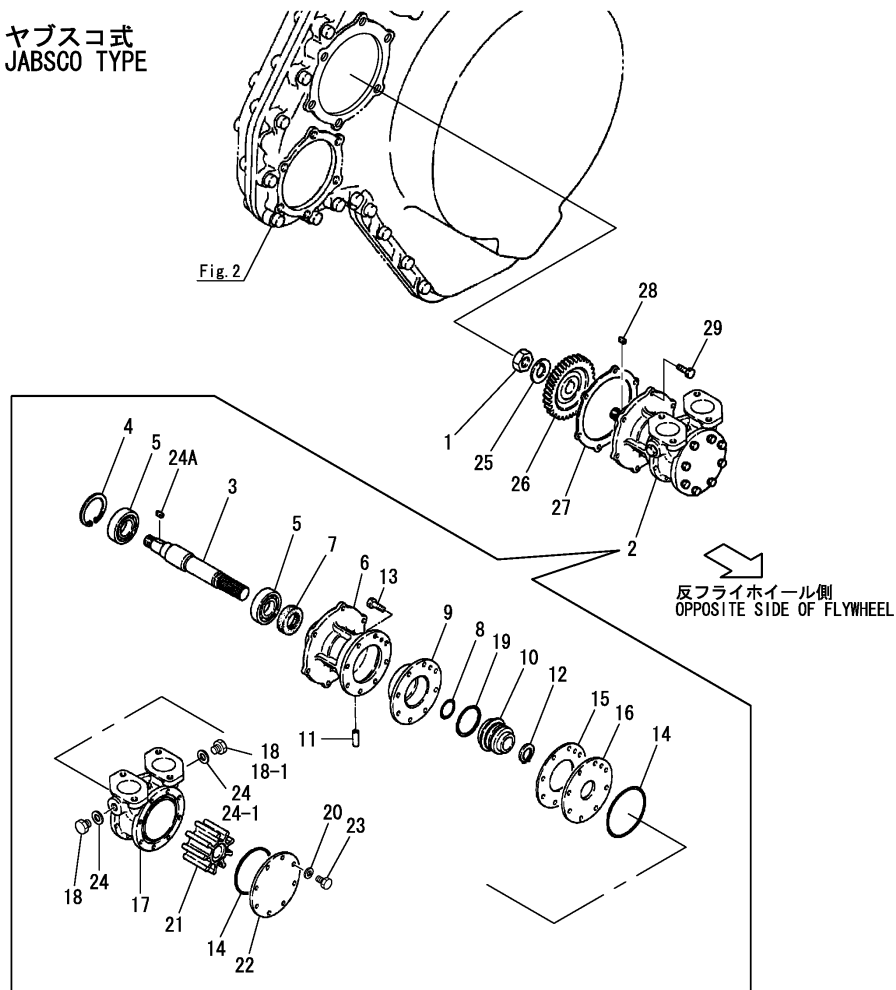
ヤブスコ式
JABSCO TYPE



24.COOLING SEA WATER PUMP(JABSCO TYPE)

(A)=4HAL2-TN(1)
(B)=
(C)=
(D)=
(E)=
(F)=

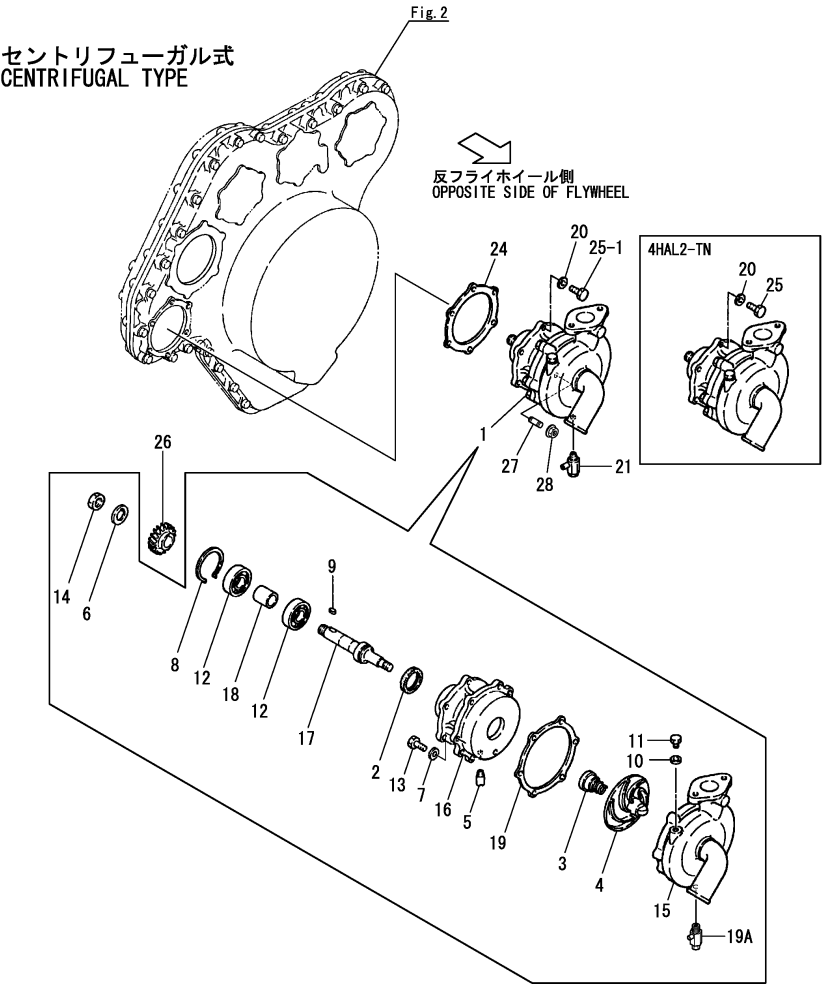
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	122510-14140	NUT	1							
2	1	126635-42010	PUMP ASSY, C. WATER	1							
2-1	1	126635-42011	PUMP ASSY, C. WATER	1							N
(A=*2006.11)											
2-2	1	126635-42012	PUMP ASSY, C. WATER	1							N
(A=*2007.08)											
2-3	1	126635-42013	PUMP ASSY, C. WATER	1							N
(A=*2007.10)											
3	2	123678-42280	SHAFT, IMPELLER	1							
3-1	2	126433-42280	SHAFT, IMPELLER	1							N
(A=*2007.08)											
4	2	22252-000620	CIRCLIP 62(H)	1							
5	2	24101-062064	BALL BEARING	2							
6	2	126630-42310	HOUSING, BEARING	1							
7	2	123678-42090	SEAL TC30 50 11, OIL	1							
7-1	2	126660-42350	SEAL, OIL	1							N
(A=*2007.10)											
8	2	24321-000300	O-RING G30	1							
9	2	126616-42320	CASE	1							
10	2	123678-42350	SEAL, MECHANICAL	1							
11	2	120130-42130	PIPE	1							
12	2	123678-42390	CIRCLIP 28	1							
13	2	26113-060252	BOLT M 6X 25	8							
14	2	24321-000950	O-RING 1A G-95.0	2							
15	2	123678-42370	GASKET	1							
16	2	123678-42340	PLATE, WEAR	1							
17	2	126630-42130	CASE, C.W. PUMP	1							
18	2	23894-020002	PLUG G1/4-HEX.	2							
18-1	2	23894-020002	PLUG G1/4-HEX.	1							K
(A=EXXXXX)											
19	2	126630-42700	O-RING	1							
20	2	22213-060000	WASHER, SPRING 6	8							
21	2	126630-42030	IMPELLER, C. WATER	1							
21-1	2	126630-42032	IMPELLER, C. WATER	1							N
(A=*1999.01)											
21-2	2	126630-42040	IMPELLER, C. WATER	1							N
(A=*2007.01)											
21-3	2	127881-42050	IMPELLER, C. WATER	1							N
(A=*2007.08)											
22	2	123678-42170	COVER	1							
23	2	26113-060122	BOLT M 6X 12	8							
24	2	23414-130000	GASKET 13, ROUND	2							
24-1	2	23414-130000	GASKET 13, ROUND	1							K
(A=EXXXXX)											
24A	2	22512-070200	KEY, 7X20	1							W
(A=EXXXXX)											
25	1	122510-14130	WASHER	1							
26	1	126630-42560	GEAR	1							
27	1	126630-42611	GASKET, MOUNT	1							
28	1	22512-070200	KEY, 7X20	1							Z
(A=EXXXXX)											



(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
29	1	26106-080252	BOLTM 8X 25 PLATED	6							

Fig.23.COOLING SEA WATER PUMP(CENTRIFUGAL TYPE)



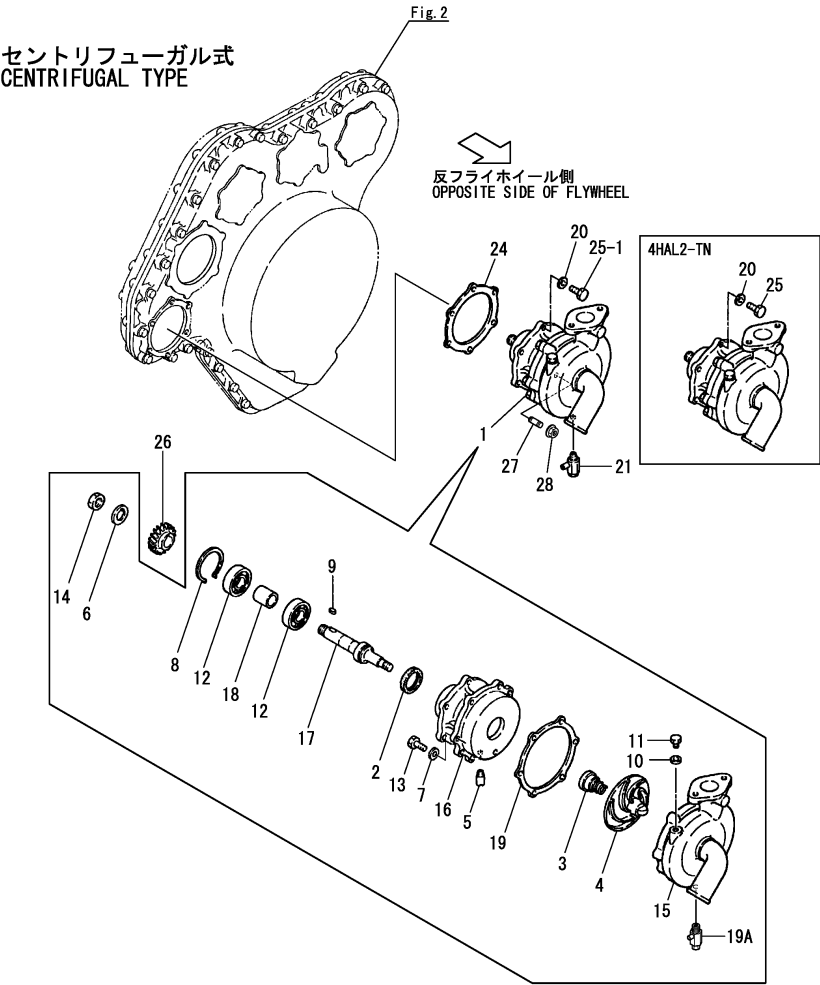
Remarks
(1)For 1200min-1
(2)For 1500,1800min-1
(3)For 4HAL2-TN

23.COOLING SEA WATER PUMP(CENTRIFUGAL TYPE)

(A)=4HAL2-TN(1)
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	726640-42740	PUMP ASSY, WATER	1							1
1-1	1	126662-42100	PUMP ASSY, WATER	1						N	1
(A=*2002.09)											
1A	1	126662-42110	PUMP ASSY, WATER	1						W	2
(A=EXXXXX)											
2	2	125110-01830	OIL SEAL TC38-50-8	1							
2-1	2	126665-43400	OIL SEAL	1						N	
(A=*2002.09)											
3	2	126630-43160	SEAL, MECHANICAL	1							
3-1	2	126630-43161	SEAL, MECHANICAL	1						N	
(A=*2000.08)											
4	2	41641-550450	IMPELLER, C. WATER	1							1
4-1	2	41641-550451	IMPELLER, C. WATER	1						N	1
(A=EXXXXX)											
4A	2	135600-42500	IMPELLER	1						W	2
(A=EXXXXX)											
5	2	104271-49060	JOINT	1							1
5-1	2	127605-42130	JOINT	1						N	1
(A=*1998.02)											
5A	2	127610-42130	JOINT	1						W	2
(A=EXXXXX)											
6	2	122310-83410	WASHER	1							
7	2	22117-080000	WASHER 8	6							Z
(A=EZZZZZ)											
8	2	22252-000620	CIRCLIP 62(H)	1							
9	2	22512-070140	KEY, 7X14	1							
10	2	23414-130000	GASKET 13, ROUND	1							
11	2	23894-020002	PLUG G1/4-HEX	1							
12	2	24101-063054	BEARING #6305	2							
13	2	26106-080202	BOLT M 8X 20 PLATED	6							
13-1	2	26116-080222	BOLT M 8X 22 PLATED	6						N	
(A=EXXXXX)											
13-2	2	26106-080222	BOLT M 8X 22 PLATED	6							R
(A=EZZZZZ)											
14	2	26776-200002	LOCK NUT 20	1							
15	2	41641-550420	BODY	1							1
15A	2	41641-550430	BODY	1						W	2
(A=EXXXXX)											
16	2	41641-550440	BODY	1							
17	2	41641-550460	SHAFT, IMPELLER	1							
18	2	41641-550480	SPACER	1							
19	2	41641-550491	GASKET, PUMP	1							
19A	2	119620-49290	COCK ASSY	1							W
(A=*2002.09)											
20	1	22190-080003	WASHER, 8	6							
21	1	43600-500290	COCK 1/4	1							Z
(A=*2002.09)											
24	1	123682-01580	GASKET, PUMP	1							
24-1	1	126660-01580	GASKET	1							N
(A=FROM 1ST)											
25	1	26106-080252	BOLT M 8X 25 PLATED	6							

Fig.23.COOLING SEA WATER PUMP(CENTRIFUGAL TYPE)

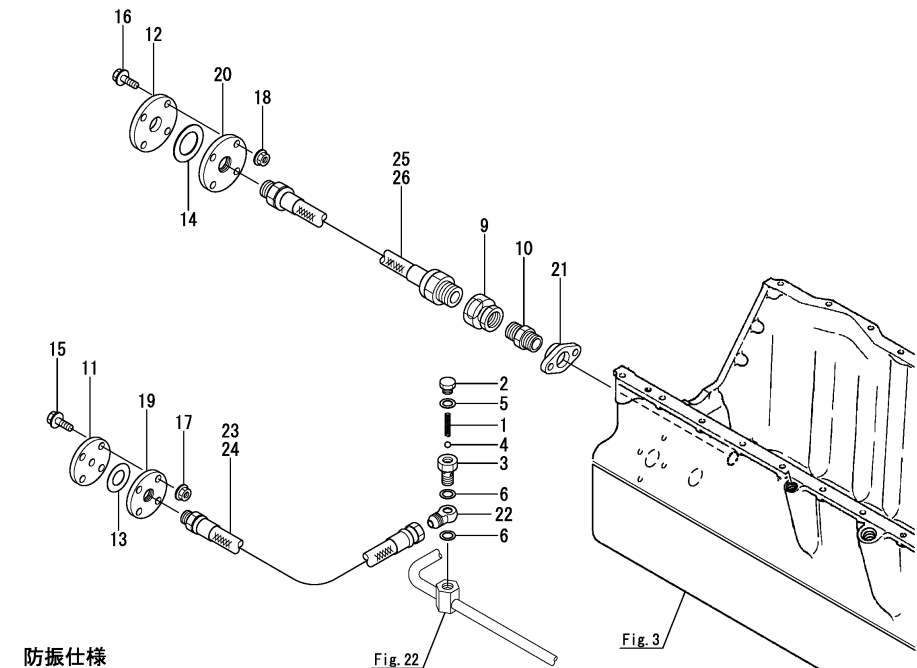


Remarks
(1)For 1200min-1
(2)For 1500,1800min-1
(3)For 4HAL2-TN

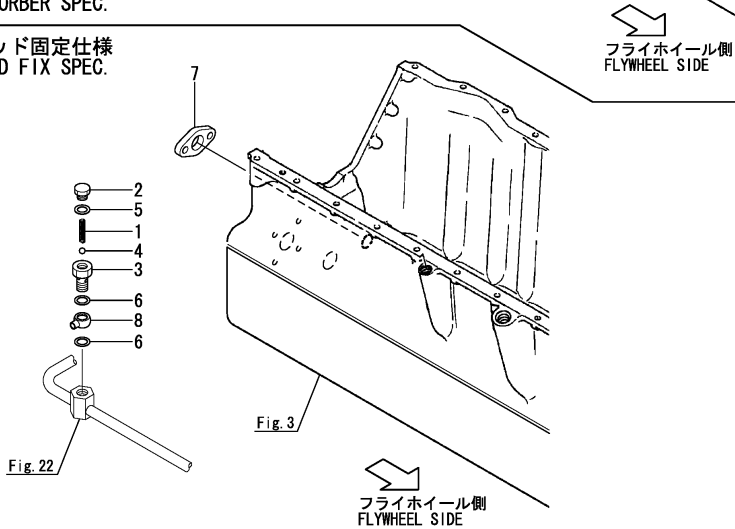
23.COOLING SEA WATER PUMP(CENTRIFUGAL TYPE)

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
25-1	1	26106-080252 (A=*2003.05)	BOLT M8X25 PLATED	5						K	3
26	1	41641-550470	GEAR	1							
27	1	26226-080202 (A=*2003.05)	STUD M8X20 PLATED	1						W	3
28	1	26366-080002 (A=*2003.05)	NUT M8	1						W	3

Fig.61.(22A)LUB.OIL SEMI-DRY SUMP



コモンベッド固定仕様
COMMON-BED FIX SPEC.



Remarks
(1)In-house inspection,jg
(2)NK,AB,LR,BV,NV

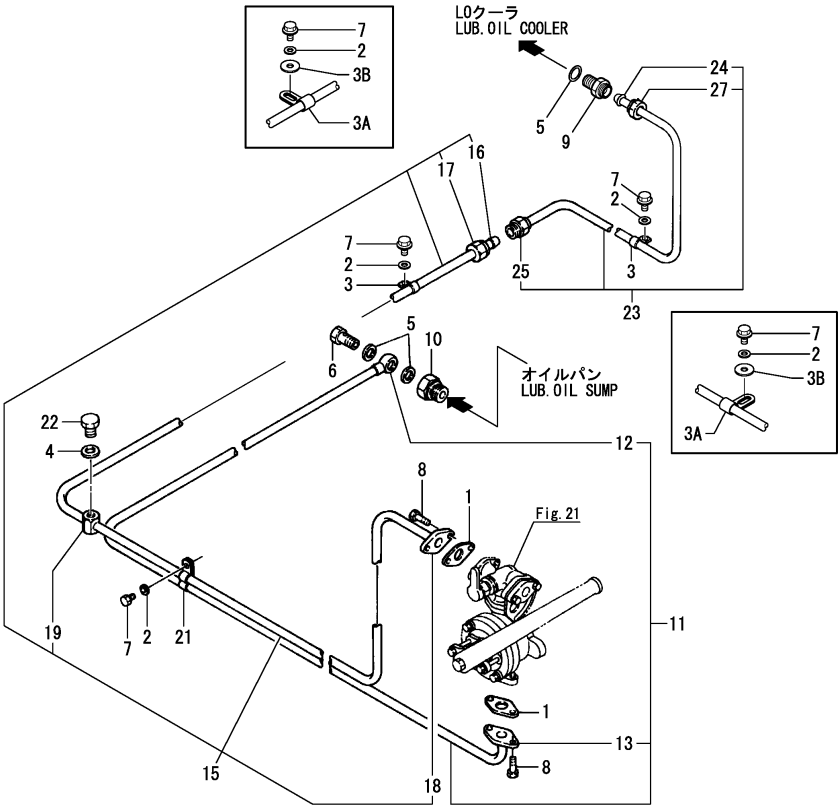
61.(22A)LUB.OIL SEMI-DRY SUMP

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	135602-34380	SPRING	1							
2	1	135602-34390	RETAINER	1							
3	1	145613-39960	SEAT	1							
4	1	123460-55910	BALL	1							
5	1	23414-140000	GASKET 14, ROUND	1							
6	1	23414-160000	GASKET 16, ROUND	2							
7	1	23221-250000	FLANGE 25	1							
8	1	23341-121601	JOINT, PIPE 12X16	1							
9	1	23133-100600	SOCKET	1							
10	1	23163-060000	NIPPLE, PT3/4	1							
11	1	23211-015012	FLANGE	1							
12	1	23211-025025	FLANGE 25	1							
13	1	23432-015000	GASKET 5K 15X05	1							
14	1	23432-025000	GASKET 5K 25X05	1							
15	1	26106-100302	BOLT M10X 30 PLATED	4							
16	1	26106-100302	BOLT M10X 30 PLATED	4							
17	1	26306-100002	NUT, M10	4							
18	1	26306-100002	NUT, M10	4							
19	1	43310-550960	FLANGE 15A	1							
19-1	1	43310-501120	FLANGE, 15A	1							R
(A=EZZZZZ)											
20	1	43310-550880	FLANGE	1							
21	1	43320-551290	FLANGE	1							
22	1	43510-550770	JOINT, PIPE	1							
23	1	43720-557160	RUBBER PIPE,F.I	1							1
24	1	43720-557190	FLEXIBLE PIPE	1							2
25	1	43720-557240	PIPE	1							1
26	1	43720-555880	FLEXIBLE PIPE	1							2

Fig.22.LUB.OIL PRIMING

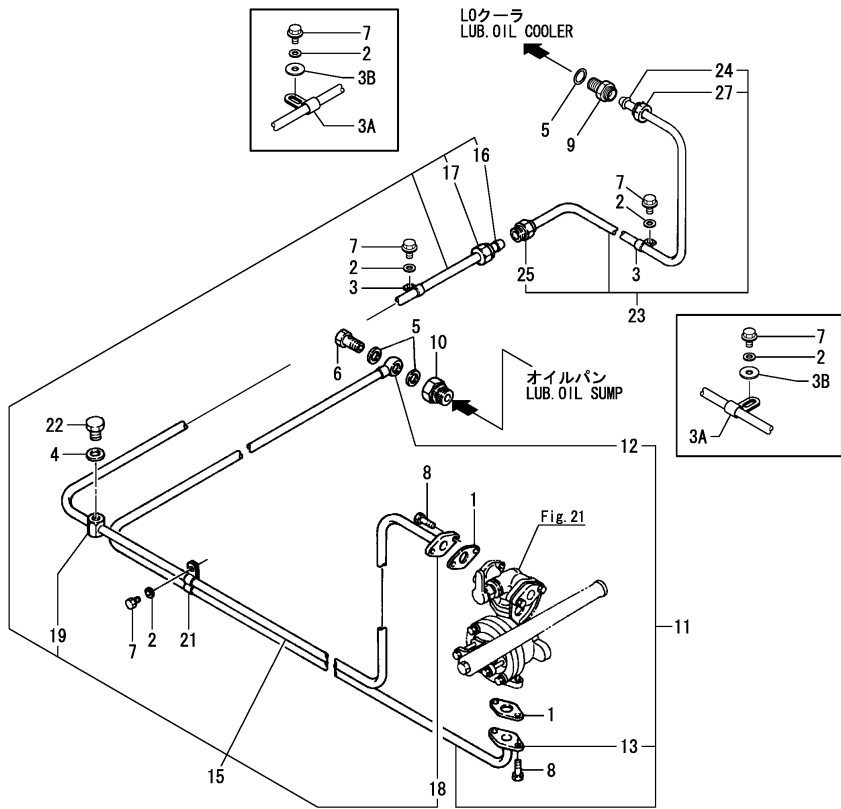


Remarks
(1)Flexible mount spec.
(2)Not illustrated

OCG20-G29802 22.LUB.OIL PRIMING

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	132510-39130	GASKET	2							
1-1	1	132510-39131	GASKET	2						N	
(A=EXXXXX)											
1-2	1	43400-003021	GASKET	2						N	
(A=EXXXXX)											
2	1	22137-080000	WASHER 8, POLISHED	4							
3	1	23297-150081	RETAINER, A15X8	3						Z	
(A=EZZZZZ)											
3A	1	43730-555330	PIPE SUPPORTS	3						W	
(A=EZZZZZ)											
3B	1	22157-080000	WASHER 8	3						W	
(A=EZZZZZ)											
4	1	23414-160000	GASKET 16, ROUND	1							
5	1	23414-200000	GASKET 20, ROUND	3							
6	1	23857-150000	BOLT, JOINT M15	1							
7	1	26106-080122	BOLT M 8X 12 PLATED	4							
8	1	26106-100282	BOLT M10X 28 PLATED	4							
9	1	23831-150000	UNION	1							
10	1	43590-551040	RETAINER	1							
11	1	43711-572000	PIPE ASSY	1							
11-1	1	43711-572001	LUB. OIL PIPE ASSY.	1						N	
(A=*1999.04)											
11-2	1	43711-572002	LUB. OIL PIPE ASSY.	1						N	
(A=*2002.01)											
11A	1	43711-573010	LUB. OIL PIPE ASSY.	1						W	1
(A=*2002.01)											
12	2	23341-150000	JOINT, PIPE 15	1							
13	2	43320-550420	FLANGE	1							
15	1	43711-572010	PIPE ASSY	1							
15-1	1	43711-572011	LUB. OIL PIPE ASSY.	1						N	
(A=*1999.04)											
15A	1	43711-573020	LUB. OIL PIPE ASSY.	1						W	1
(A=*2002.01)											
16	2	23311-150000	JOINT, 15	1							
16-1	2	23311-150001	JOINT 15	1						N	
(A=*1999.04)											
17	2	23821-150000	CAP NUT 15	1							
17-1	2	23821-150001	CAP NUT 15	1						N	
(A=*1999.04)											
18	2	43321-000860	FLANGE	1							
19	2	43580-550830	3-WAY JOINT	1							
21	1	43730-550710	RETAINER	1							
21-1	1	43739-80134A	RETAINER	1						N	
(A=EXXXXX)											
22	1	23887-160002	PLUG 16-HEX.	1							
23	1	43711-572020	PIPE ASSY	1							
23-1	1	43711-572021	LUB. OIL PIPE ASSY.	1						N	
(A=*2002.01)											
23A	1	43711-573030	LUB. OIL PIPE ASSY.	1						W	1
(A=*2002.01)											
24	2	23311-150000	JOINT, 15	1							

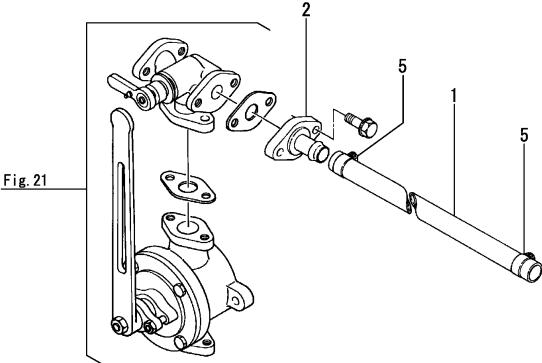
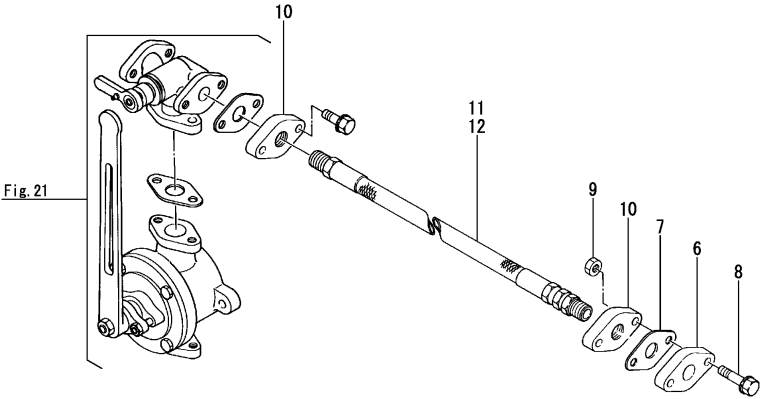
Fig.22.LUB.OIL PRIMING



Remarks
(1)Flexible mount spec.
(2)Not illustrated

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
24-1	2	23311-150001	JOINT 15	1							N
		(A=*2002.01)									
25	2	43551-001481	UNION(M)15	1							
27	2	23821-150000	CAP NUT 15	1							
27-1	2	23821-150001	CAP NUT 15	1							N
		(A=*2002.01)									
28	1	23211-025034	FLANGE	1							W 2
		(A=EXXXXX)									
29	1	23438-025000	GASKET, 25X15	1							W 2
		(A=EXXXXX)									
30	1	24321-000350	O-RING 1A G-35.0	2							W 2
		(A=EXXXXX)									
31	1	26106-100402	BOLT M10X40 PLATED	6							W 2
		(A=EXXXXX)									
32	1	26464-020000	U-BOLT(E20)	1							W 2
		(A=EXXXXX)									
33	1	26716-100002	NUT 10	4							W 2
		(A=EXXXXX)									
34	1	41639-550600	PIPE, OIL INLER	1							W 2
		(A=EXXXXX)									
35	1	41639-552450	JOINT	1							W 2
		(A=EXXXXX)									
36	1	43730-551780	SUPPORT	1							W 2
		(A=EXXXXX)									

Fig.60.(21A)LUB.OIL FLEXIBLE PIPE(WING PUMP DRAIN OIL)(SHOCK
ABSORBER SPEC.)



Remarks
(1)YOKOHAMA RUBBER
(2)KOHSHIN RUBBER

60.(21A)LUB.OIL FLEXIBLE PIPE(WING PUMP DRAIN OIL)(SHOCK
ABSORBER SPEC.)

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	23091-190600	PIPE 19X600, VINYL	1							
2	1	43711-553710	FLANGE	1							
5	1	43730-552131	CLIP 33,HOSE	2							
6	1	137600-39210	FLANGE	1							
7	1	145610-84881	GASKET	1							
8	1	26106-100402	BOLT M10X 40 PLATED	2							
9	1	26706-100002	NUT M10	2							
10	1	43320-550030	FLANGE	2							
11	1	43720-555850	FLEXIBLE PIPE ASSY	1							1
12	1	43720-557230	HOSE RUBBER	1							2

Fig.21.LUB.OIL WING PUMP

21.LUB.OIL WING PUMP

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	137600-39210	FLANGE	1							
2	1	140623-39440	RETAINER	1							
3	1	137602-39650	FLANGE,SPECTACLE	1							
4	1	139653-66831	SPRING	1							
5	1	145610-84881	GASKET	5							
6	1	26106-100252	BOLT M10X 25 PLATED	8							
7	1	26106-100302	BOLT M10X 30 PLATED	2							
8	1	27501-020000	WING PUMP	1							
9	1	42215-556051	PLATE,L.O.WG.PMP.MTG	1							
10	1	26106-100252	BOLT M10X 25 PLATED	4							
11	1	26706-100002	NUT M10	2							
12	1	740623-39341	COCK ASSY, 3-WAY	1							
12-1	1	740623-39342	COCK ASSY, 3-WAY	1							N
(A=EZZZZZ)											
13	2	43600-010210	LABEL	1							
15	2	43600-010080	COVER	1							
16	2	43600-010090	SPINDL	1							
17	2	43600-010100	NUT, COVER	1							
18	2	43600-010110	GASKET	1							
19	2	43600-010120	NUT,CAP	1							
20	2	43600-010130	O-RING	1							
21	2	43600-010140	GASKET	1							
21-1	2	43600-010141	GASKET	1							N
(A=EZZZZZ)											
22	2	43600-010150	HANDLE	1							
23	2	43600-010160	SCREW	1							
24	2	43600-010170	FLANGE	1							

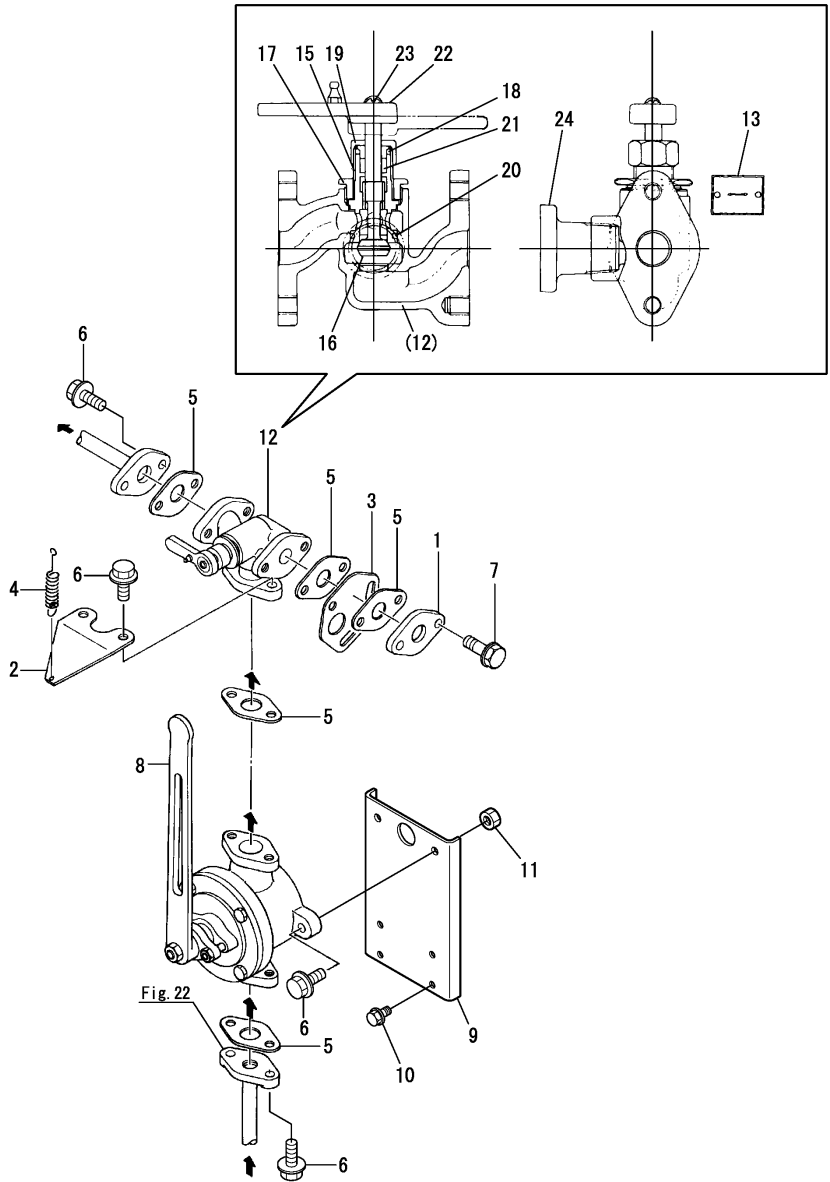
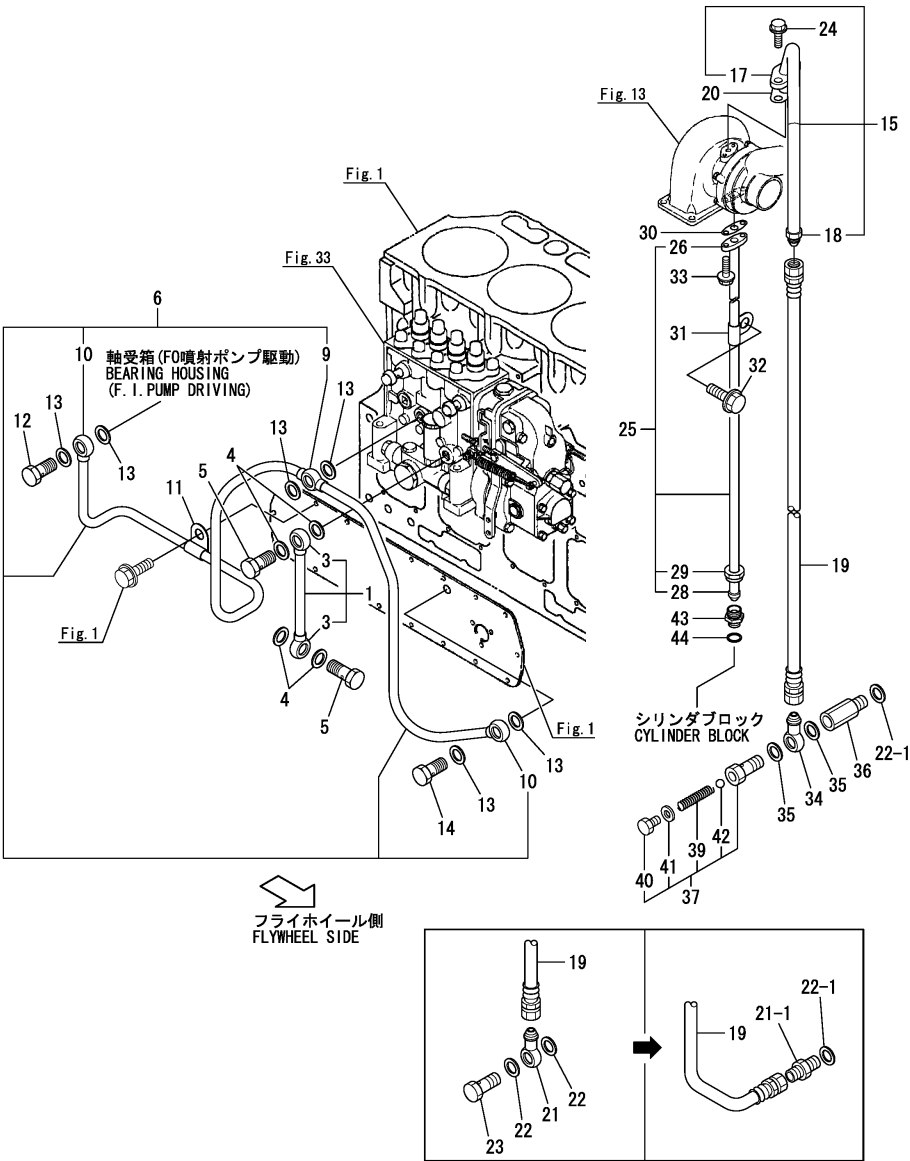


Fig.20.LUB.OIL PIPE

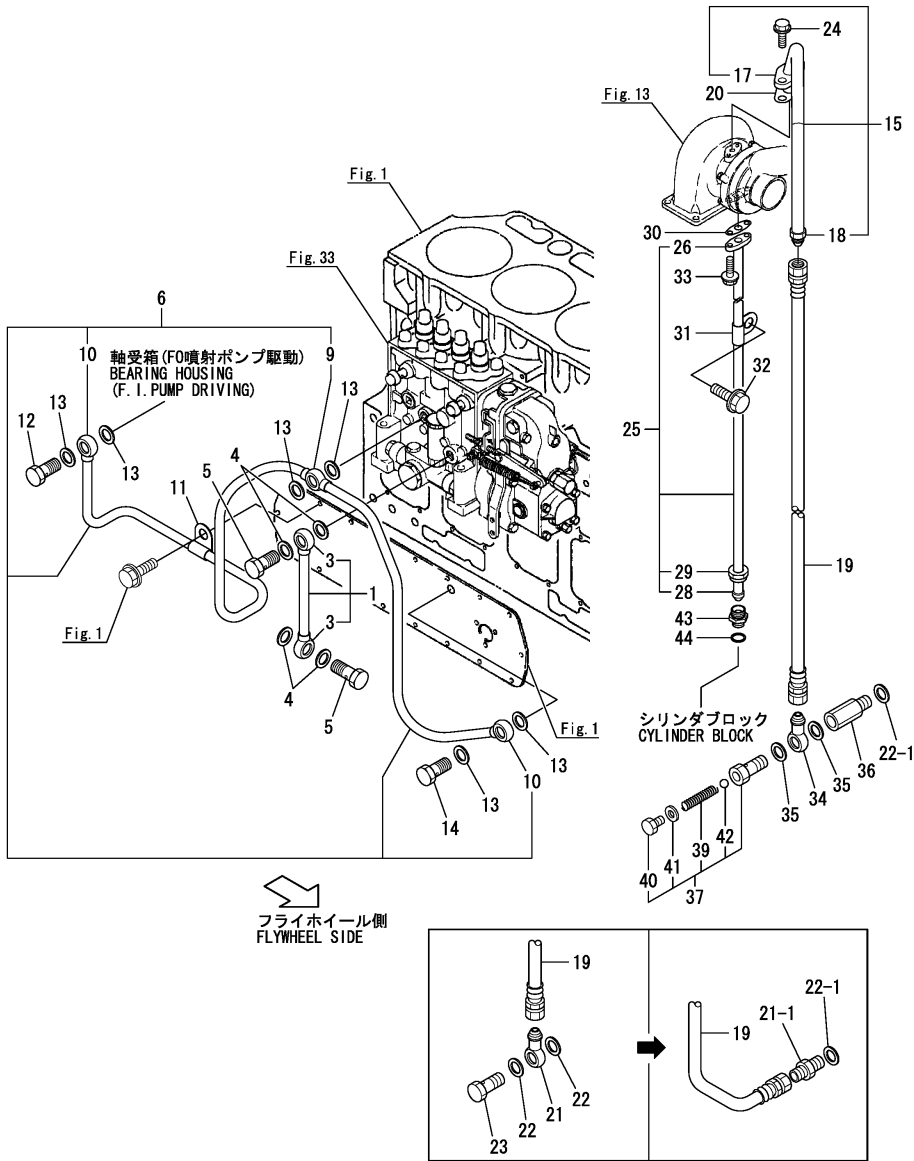


Remarks
(1)jg

20.LUB.OIL PIPE

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126443-39300	PIPE,LUB.OIL	1							
3	2	23341-080000	JOINT, PIPE 8X14	2							
4	1	23414-140000	GASKET 14,ROUND	4							
5	1	23851-080000	JOIT BOLT 8	2							
5-1	1	23857-080000	JOINT BOLT 8,PIPE	2						N	
(A=EXXXXX)											
6	1	126443-39400	PIPE,LUB.OIL	1							
9	2	126660-39430	JOINT	1							
10	2	23341-060000	JOINT, PIPE 6X12	2							
11	1	125603-39600	RETAINER	2							
11-1	1	23297-160081	RETAINER, A16X8	1						N	
(A=*2007.04)											
12	1	126674-39740	JOINT BOLT 6	1							
13	1	23414-120000	GASKET 12,ROUND	6							
14	1	23857-060000	JOINT BOLT 6,PIPE	1							
15	1	126443-39250	PIPE,LUB.OIL	1							
17	2	123678-39320	FLANGE	1							
18	2	123678-39330	UNION	1							
19	1	126618-39560	HOSE	1							1
19A	1	43720-561530	JOINT,RUBBER	1						W	
(A=EXXXXX)											
20	1	123688-39721	GASKET	1							
21	1	128625-39810	BALL JOINT	1							
21-1	1	126644-39500	UNION	1						N	
(A=FROM 1ST)											
21-2	1	126644-39500	UNION	1						Z	
(A=*2000.12)											
22	1	23414-160021	GASKET 16	2							
22-1	1	23414-160021	GASKET 16	1						K	
(A=FROM 1ST)											
23	1	23857-100000	JOINT BOLT 10	1						Z	
(A=FROM 1ST)											
24	1	26106-080202	BOLT M 8X 20 PLATED	2							
25	1	126443-39601	PIPE,LUB.OIL	1							
26	2	123678-39360	FLANGE	1							
28	2	23311-200000	JOINT, 20	1							
29	2	23821-200000	CAP NUT 20	1							
30	1	123688-39791	GASKET	1							
30-1	1	119593-39690	GASKET	1						N	
(A=EXXXXX)											
31	1	23297-200081	CLAMP A20X 8	1							
32	1	26106-080162	BOLT M 8X 16 PLATED	1							
33	1	26106-100162	BOLT M10X 16 PLATED	2							
34	1	126674-39660	BALL JOINT	1						W	
(A=*2000.12)											
35	1	23414-180000	GASKET 18,ROUND	2						W	
(A=*2000.12)											
36	1	126628-39460	SPACER	1						W	
(A=*2000.12)											
37	1	744626-34800	VALVE ASSY, CHECK	1						W	
(A=*2000.12)											

Fig.20.LUB.OIL PIPE

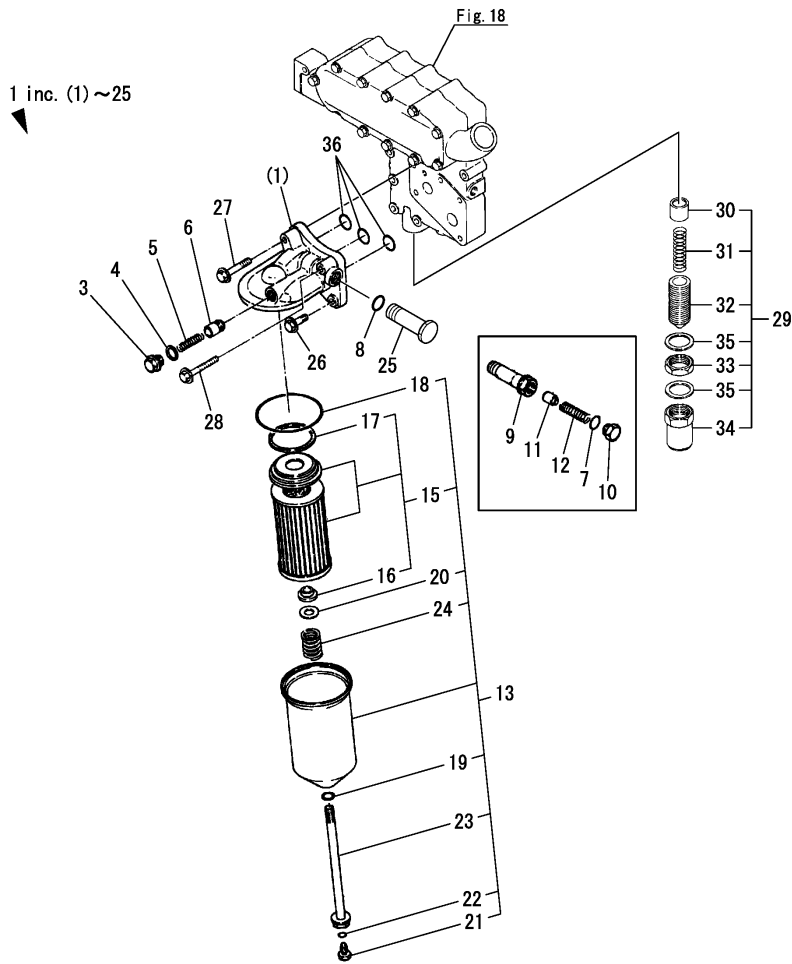


Remarks
(1)jg

20.LUB.OIL PIPE

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
39	2	144626-34380 (A=*2000.12)	SPRING	1							W
40	2	144626-34390 (A=*2000.12)	RETAINER,SPRING	1							W
41	2	23414-160021 (A=*2000.12)	GASKET 16	1							W
42	2	24190-120001 (A=*2000.12)	BALL 38,STEEL	1							W
43	1	23831-200000 (A=FROM 1ST)	UNION	1							W
44	1	23414-250000 (A=FROM 1ST)	GASKET 25,ROUND	1							W

Fig.19.LUB.OIL STRAINER & PRESSURE RAGULATING VALVE



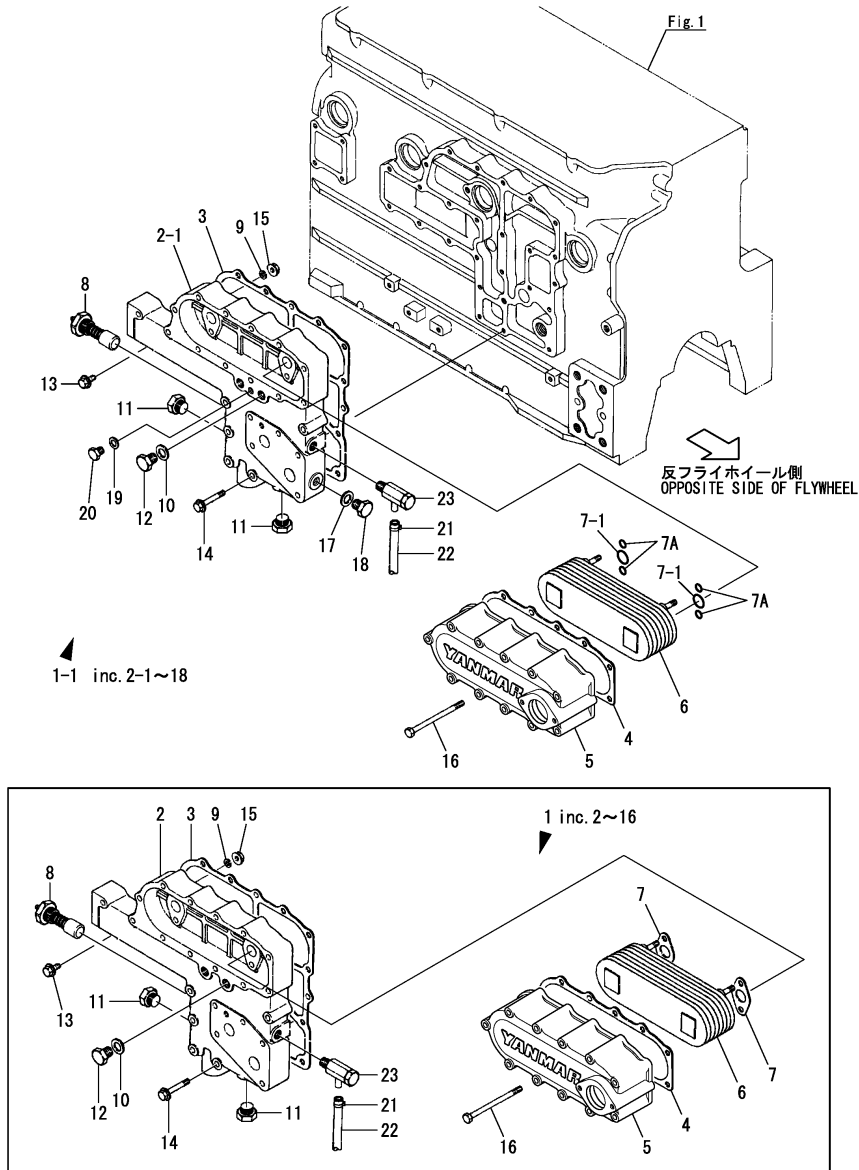
19.LUB.OIL STRAINER & PRESSURE RAGULATING VALVE

(A)=4HAL2-TN(1)
(B)=
(C)=

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

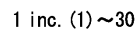
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126650-35100	STRAINER, LUB.OIL	1							
1-1	1	126443-35100	OIL FILTER ASSY	1							N
(A=FROM 1ST)											
3	2	126650-35030	PLUG	1							
4	2	126650-35040	GASKET	1							
5	2	126650-35050	SPRING	1							
6	2	126650-35060	VALVE, SAFETY	1							
7	2	126650-35070	O-RING	1							Z
(A=FROM 1ST)											
8	2	126650-35080	O-RING	1							
9	2	126650-35090	BLOCK, ADJUST VALVE	1							Z
(A=FROM 1ST)											
10	2	126650-35110	PLUG	1							Z
(A=FROM 1ST)											
11	2	126650-35120	VALVE, CONTROL	1							Z
(A=FROM 1ST)											
12	2	126650-35130	SPRING	1							Z
(A=FROM 1ST)											
13	2	126630-35150	STRAINER ASSY	1							
15	3	126650-35220	ELEMENT, LUB OIL	1							
16	4	126650-35230	GASKET, STRAINER	1							
17	4	126650-35200	GASKET	1							
18	3	126650-35180	O-RING	1							
19	3	126650-35270	O-RING	1							
20	3	126650-35250	PLATE	1							
21	3	126650-35290	PLUG	1							
22	3	126650-35280	O-RING	1							
23	3	126650-35240	BOLT	1							
24	3	126650-35260	SPRING	1							
25	2	126443-35250	PLUG	1							W
(A=FROM 1ST)											
26	1	26106-100602	BOLT M10X 60 PLATED	1							
27	1	26106-100752	BOLT M10X 75 PLATED	2							
28	1	26106-101002	BOLT M10X100 PLATED	1							
29	1	726450-34100	VALVE	1							
30	2	135610-34030	VALVE, CONTROL	1							
31	2	126635-34040	SPRING, CONT. VALVE	1							
32	2	135610-34073	SCREW	1							
33	2	135410-34080	LOCK NUT	1							
34	2	135610-34091	CAP NUT	1							
35	2	23414-300000	GASKET 30/ROUND	2							
36	1	24311-000260	O-RING 1A P-26.0	3							

Fig.18.LUB.OIL COOLER



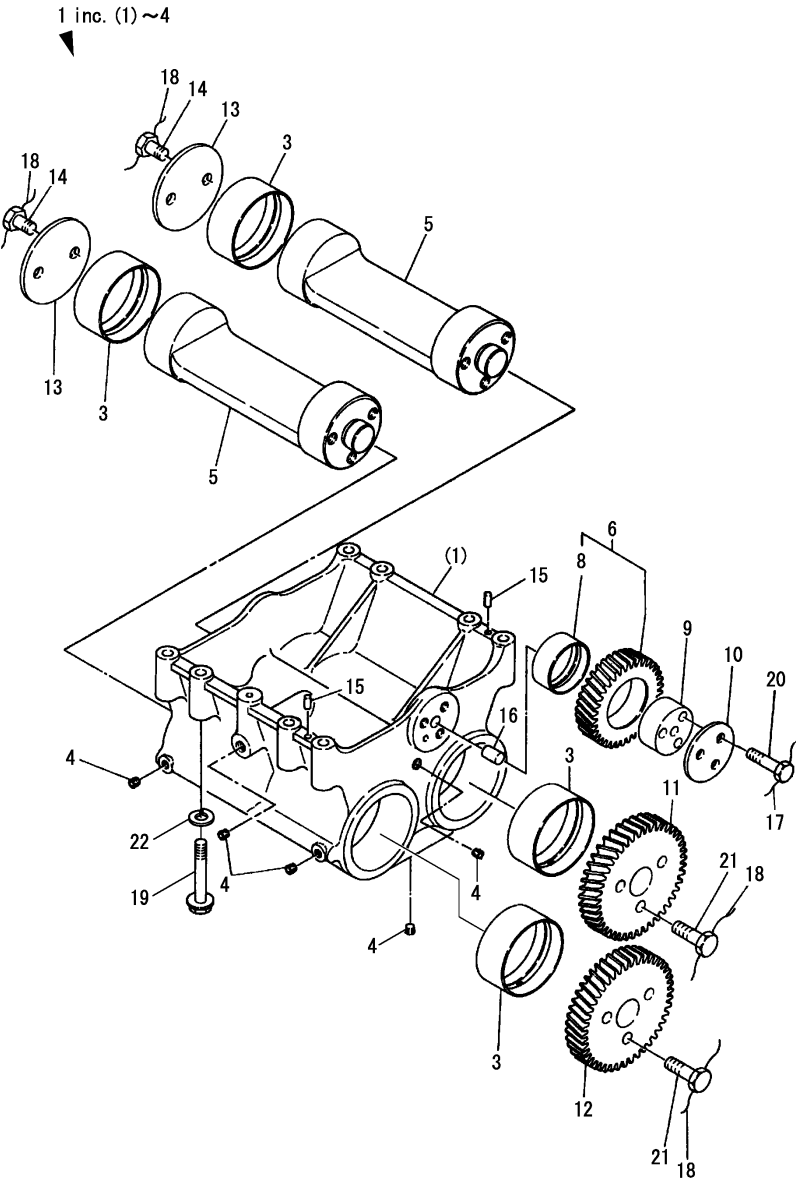
Remarks
(1)Interchangeable by simultaneous replacement with No.7-1,7A,17,18, 19,20.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	726443-33100	COOLERASY	1							
1-1	1	726443-33101	COOLERASY	1						N	
(A=*2001.10)											
2	2	126443-33010	COOLER,LUB OIL	1							
2-1	2	126443-33020	BODY	1						F	1
(A=*2001.10)											
3	2	126450-33022	GASKET, COOLER	1							
4	2	126450-33032	GASKET, COVER	1							
5	2	126443-33040	COVER	1							
6	2	126650-33901	CORE, LUB OIL COOLER	1							
7	2	126650-33912	GASKET	2							
7-1	2	24316-000280	O-RING 4D P-28.0	2						S	
(A=*2001.10)											
7A	2	24316-000080	O-RING 4D P-8.0	4						W	
(A=*2001.10)											
8	2	125613-35310	VALVE	1							
9	2	22217-080000	WASHER, 8	4							
10	2	23414-170022	GASKET 17	2							
10-1	2	23414-170000	GASKET 17, ROUND	2						N	
(A=EXXXXX)											
11	2	23887-200002	PLUG 20, HEX.	2							
12	2	23887-030002	PLUG G3/8-HEX.	2							
13	2	26106-080202	BOLT M 8X 20 PLATED	3							
14	2	26106-080552	BOLT M 8X 55 PLATED	9							
15	2	26366-080002	NUT M 8	4							
16	2	26116-081352	BOLT M 8X135 PLATED	11							
17	2	23414-160021	GASKET 16	1						W	
(A=*2001.10)											
18	2	23887-160002	PLUG 16-HEX.	1						W	
(A=*2001.10)											
19	1	23414-120016	GASKET 12	1						W	
(A=*2001.10)											
20	1	23887-120002	PLUG M12-HEX.	1						W	
(A=*2001.10)											
21	1	23010-010000	CLAMP 10	1						Z	
(A=EXXXXX)											
22	1	23061-070300	PIPE 7X 300	1						Z	
(A=EXXXXX)											
23	1	43600-500290	COCK 1/4	1						Z	
(A=EXXXXX)											



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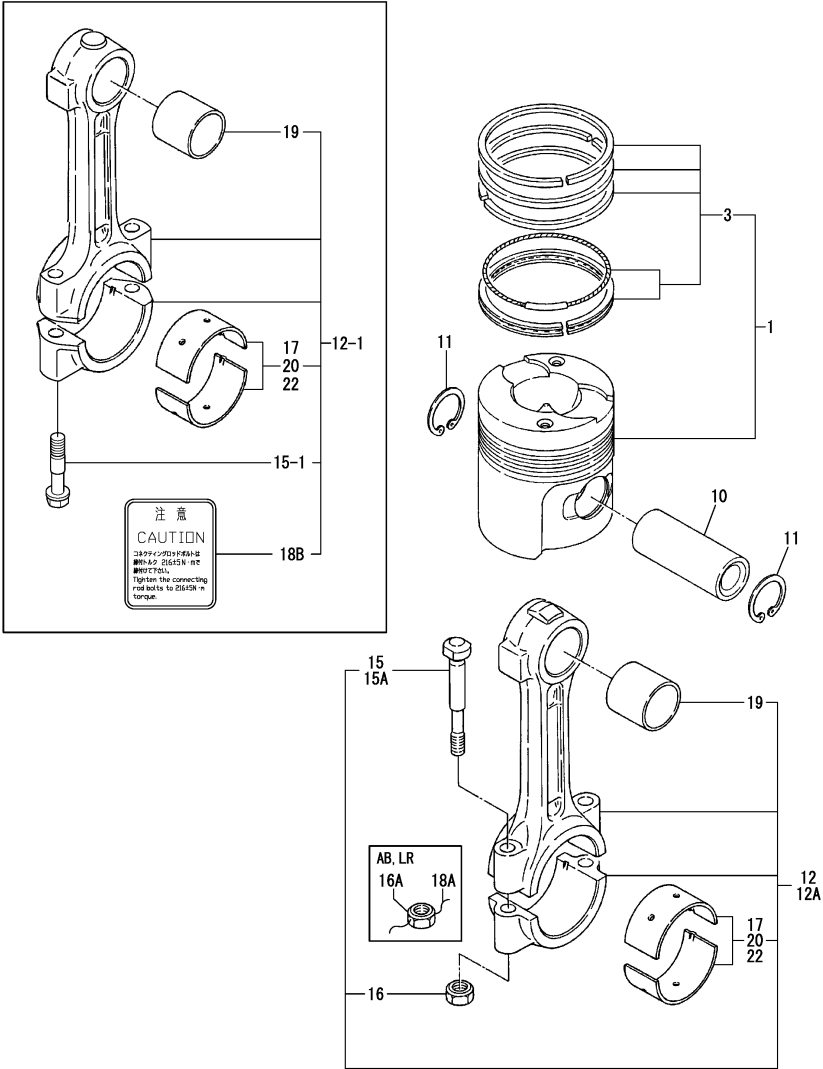
Fig.16.BALANCER



16.BALANCER

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126437-28200	BODY	1							
3	2	126430-28350	BUSH	4							
4	2	123385-82200	PLUG	7							
5	1	126430-28250	SHAFT, BALANCER	2							
6	1	126430-28270	GEAR, BALANCER IDLE	1							
8	2	127410-28290	BUSH	1							
9	1	126430-28300	SHAFT, IDLE GEAR	1							
10	1	126430-28310	RETAINER	1							
11	1	126430-28320	GEAR (A), BALANCER	1							
12	1	126430-28330	GEAR (B), BALANCER	1							
13	1	126430-28340	COLLAR	2							
14	1	26206-120206	BOLT M12X 20 PLATED	4							
15	1	22312-060140	PARALLEL PIN, M6X14	2							
16	1	22312-120200	PARALLEL PIN, M12X20	1							
17	1	22451-100000	WIRE, 1.0X1000	1							
18	1	22451-100000	WIRE, 1.0X1000	4							
19	1	26108-100652	BOLT M10X 65 PLATED	8							
20	1	26206-100456	BOLT M10X 45 PLATED	3							
21	1	26206-120406	BOLT M12X 40 PLATED	6							
22	1	22217-100000	SPRING WASHER 10	8							W
(A=EXXXXX)											

Fig.15.PISTON & CONNECTING ROD

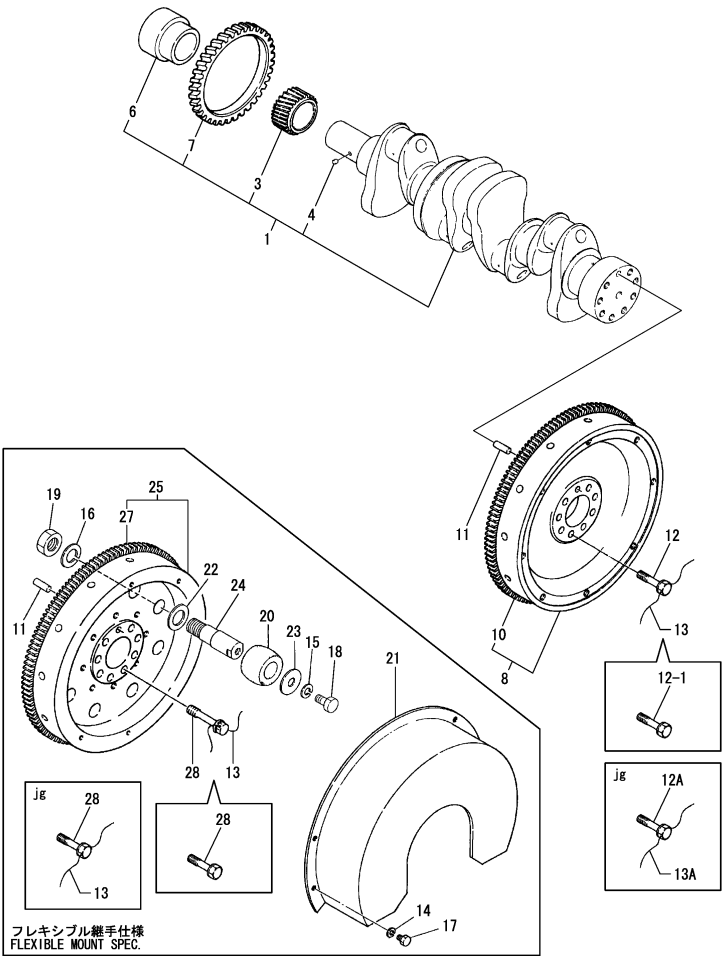


Remarks
(1)Spare parts.
(2)Under sized(U.S.=0.25)parts.
(3)Under sized(U.S.=0.50)parts.
(4)AB,LR
(5)Interchangeable by simultaneous replacement with all cylinders.

15.PISTON & CONNECTING ROD

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	726625-22720	PISTON WRINGS	4							
1-1	1	726625-22721	PISTON ASSY	4							R
(A=*1999.01)											
1-2	1	726625-22722	PISTON WRINGS	4							N
(A=EZZZZZ)											
3	2	726625-22500	RING SET	4							
3-1	2	726671-22500	RING SET	4							R
(A=*1999.01)											
10	1	126650-22301	PIN, PISTON	4							
10-1	1	126650-22302	PIN, PISTON	4							R
(A=EZZZZZ)											
11	1	22252-000480	CIRCLIP 48	8							
12	1	726652-23101	ROD ASSY, CONNECTING	4							
12-1	1	726664-23810	ROD ASSY, CONNECTING	4							S 5
(A=EZZZZZ)											
12A	1	726443-23110	CONNECTING ROD ASY	4							Z 4
(A=EZZZZZ)											
15	2	126650-23200	BOLT,ROD	8							
15-1	2	126664-23200	BOLT, CONNECTING ROD	8							S
(A=EZZZZZ)											
15A	2	126650-23200	BOLT,ROD	8							Z 4
(A=EZZZZZ)											
16	2	126650-23220	NUT	8							Z
(A=EZZZZZ)											
16A	2	126443-23220	NUT	8							Z 4
(A=EZZZZZ)											
17	2	126625-23221	METAL CRANKPIN	4							
18A	2	22451-160000	WIRE, 1.6	4							Z 4
(A=EZZZZZ)											
18B	2	126664-23510	LABEL,TIGHTENING TOR	4							W
(A=EZZZZZ)											
19	2	126650-23120	BUSH, PISTON PIN	4							1
20	1	126625-23920	METAL CRANKPIN 0.25	4							2
22	1	126625-23930	METAL CRANKPIN 0.5	4							3

Fig.14.CRANKSHAFT & FLYWHEEL



Remarks
(1)For 1200,1500min-1
(2)For 1800min-1
(3)For 1200,1500min-1
(Flexible mount spec)
(4)For 1800min-1
(Flexible mount spec.)
(5)Flexible mount spec.
(6)Flexible mount spec.(jg)
(7)NK,jg
(8)AB (9)BV
(A)KR (B)jg

14.CRANKSHAFT & FLYWHEEL

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126443-21100	CRANKSHAFT CMP	1							
1-1	1	126443-21101	CRANKSHAFT CMP	1							R
(A=EZZZZZ)											
1A	1	126443-21110	CRANKSHAFT CMP,NK	1							W 7
(A=EZZZZZ)											
1B	1	126443-21120	CRANKSHAFT CMP,AB	1							W 8
(A=EZZZZZ)											
1C	1	126443-21130	CRANKSHAFT CMP,BV	1							W 9
(A=EZZZZZ)											
1D	1	126443-21140	CRANKSHAFT CMP,KR	1							W A
(A=EZZZZZ)											
3	2	126650-21200	GEAR, CRANKSHAFT	1							
4	2	123672-21290	PARALLEL PIN	2							
6	2	126635-21301	COUPLING	1							
7	2	126430-21230	GEAR, DRIVING	1							
8	1	126450-21380	FLYWHEEL WIRING GEAR	1							1
8A	1	42311-551640	FLYWHEEL ASSY	1							W 2
(A=EXXXXX)											
10	2	144626-21600	GEAR, RING	1							
11	1	144626-21520	PARALLEL PIN	1							
12	1	126635-21560	BOLT	8							
12-1	1	126677-21560	BOLT, FLYWHEEL	8							R
(A=EZZZZZ)											
12A	1	126635-21560	BOLT	8							B
13	1	22451-200000	WIRE, 2X1000	4							Z
(A=EZZZZZ)											
13A	1	22451-200000	WIRE, 2X1000	4							B
14	1	22217-100000	SPRING WASHER 10	4							W 5
(A=EXXXXX)											
15	1	22217-160000	SPRING WASHER 16	8							W 5
(A=EXXXXX)											
16	1	22217-300000	SPRING WASHER 30	8							W 5
(A=EXXXXX)											
17	1	26106-100142	BOLT M10X 14 PLATED	4							W 5
(A=EXXXXX)											
18	1	26116-160252	BOLT M16X 25 PLATED	8							W 5
(A=EXXXXX)											
19	1	26736-300002	NUT M30	8							W 5
(A=EXXXXX)											
20	1	41400-552500	BUSH,RUBBER	8							W 5
(A=EXXXXX)											
20A	1	41400-001330	BUSH,RUBBER	8							W 6
(A=EXXXXX)											
21	1	42326-551690	COVER	1							W 5
(A=EXXXXX)											
22	1	45511-003150	WASHER	8							W 5
(A=EXXXXX)											
23	1	45511-003160	WASHER	8							W 5
(A=EXXXXX)											
24	1	45521-550511	BOLT	8							W 5
(A=EXXXXX)											



(1)For 1200,1500min-1
(2)For 1800min-1
(3)For 1200,1500min-1
(Flexible mount spec)
(4)For 1800min-1
(Flexible mount spec.)
(5)Flexible mount spec.
(6)Flexible mount spec.(jg)
(7)NK,jg
(8)AB (9)BV
(A)KR (B)jg

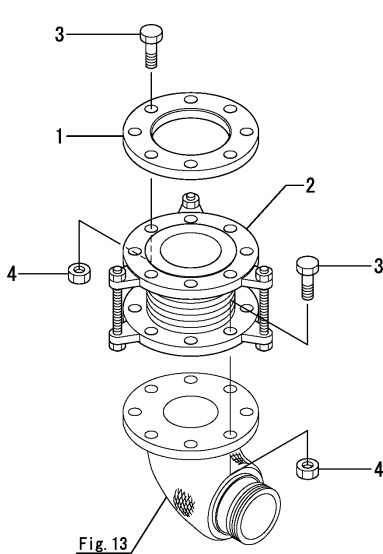
Q'TY

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
25	1	42311-550780 (A=EXXXXX)	FLYWHEEL	1						W	3
25A	1	42311-550790 (A=EXXXXX)	FLYWHEEL ASSY	1						W	4
27	2	144626-21600 (A=EXXXXX)	GEAR, RING	1						W	5
28	1	45521-551500 (A=EXXXXX)	BOLT	8						W	5

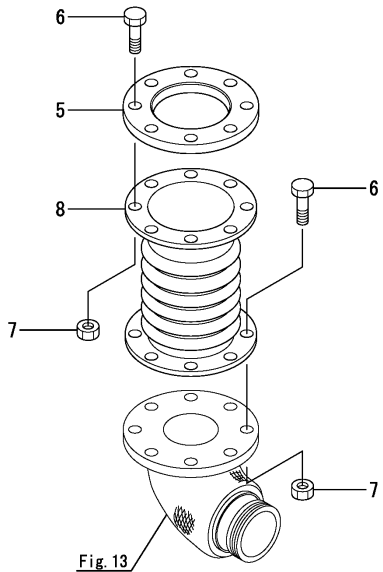
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

Fig.59.(13A)BELLOWS

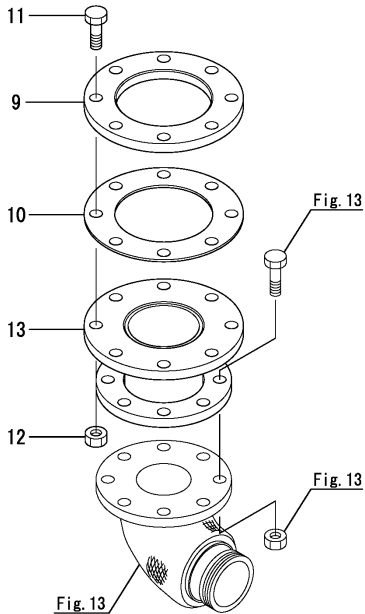
コモンベッド固定仕様
COMMON-BED FIX SPEC.



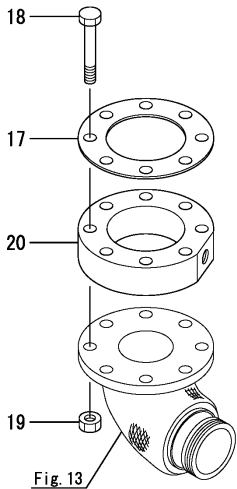
防振仕様
SHOCK ABSORBER SPEC.



排気1サイズアップ仕様
EXHAUST ONE SIZE UP SPEC.



排気総出口仕様
EXHAUST SYNTHESIS EXIT SPEC.



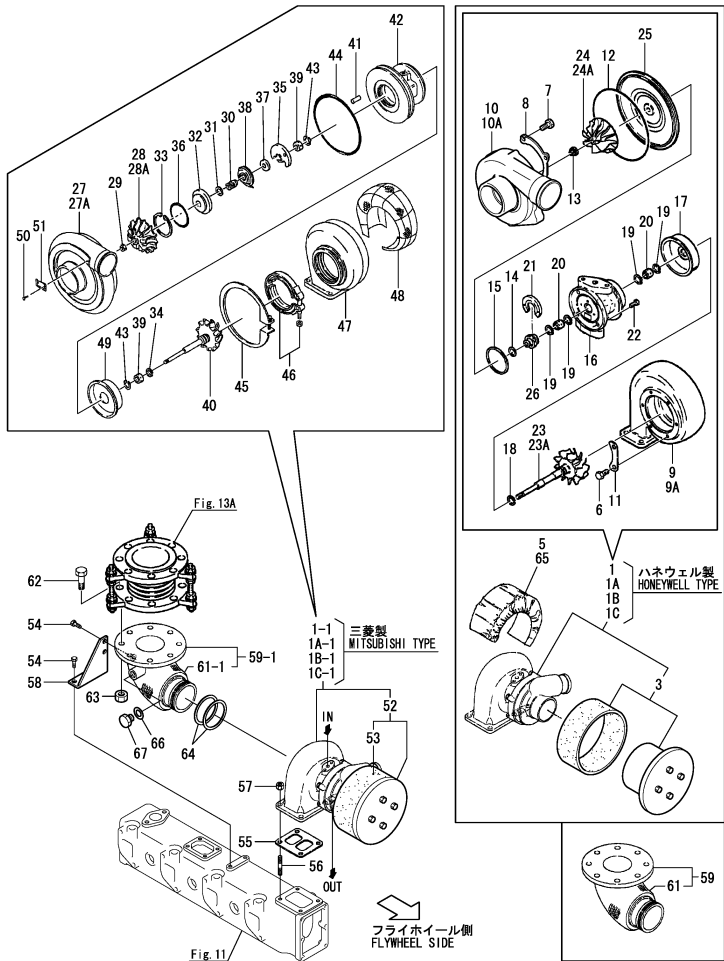
59.(13A)BELLOWS

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	23211-100115	FLANGE	1							
2	1	23970-100001	BELLOWS 100A	1							
3	1	26113-160502	BOLT M16X 50	16							
3-1	1	26116-160502	BOLT M16X 50 PLATED	16						N	
		(A=*2002.05)									
4	1	26713-160002	NUT M16	16							
4-1	1	26716-160002	NUT M16	16						N	
		(A=*2002.05)									
5	1	23211-100115	FLANGE	1							
6	1	26116-160552	BOLT M16X 55 PLATED	16							
7	1	26716-160002	NUT M16	16							
8	1	43720-550940	PIPE, FLEXIBLE 100A	1							
9	1	23211-125141	FLANGE	1							
10	1	23440-125000	GASKET, 125	1							
11	1	26116-160502	BOLT M16X 50 PLATED	8							
12	1	26716-160002	NUT M16	8							
13	1	41613-550200	CONNECTOR, EX-HAUST	1							
17	1	23440-100000	GASKET, 100	2							
18	1	26116-161102	BOLT M16X110 PLATED	8							
19	1	26716-160002	NUT M16	8							
20	1	41618-002040	MOUNT, SENSOR	1							

Fig.13.EXHAUST BEND & TURBOCHARGER



- Remarks
- (1)For 1200min-1 Inc.from No.3 to 26
 - (2)For 1200min-1(j)
 - (3)For 1500,1800min-1 Inc.from No.3 to 26
 - (4)For 1500,1800min-1(j)
 - (5)Interchangeable by simultaneous replacement with Fig.10 No.14-1&15-1. For 1200min-1 Inc.from No.27 to 53
 - (6)Interchangeable by simultaneous replacement with Fig.10 No.14-1&15-1. For 1500,1800min-1 Inc.from No.27A to 53
 - (7)For 1200min-1(8)For 1500,1800min-1

13.EXHAUST BEND & TURBOCHARGER

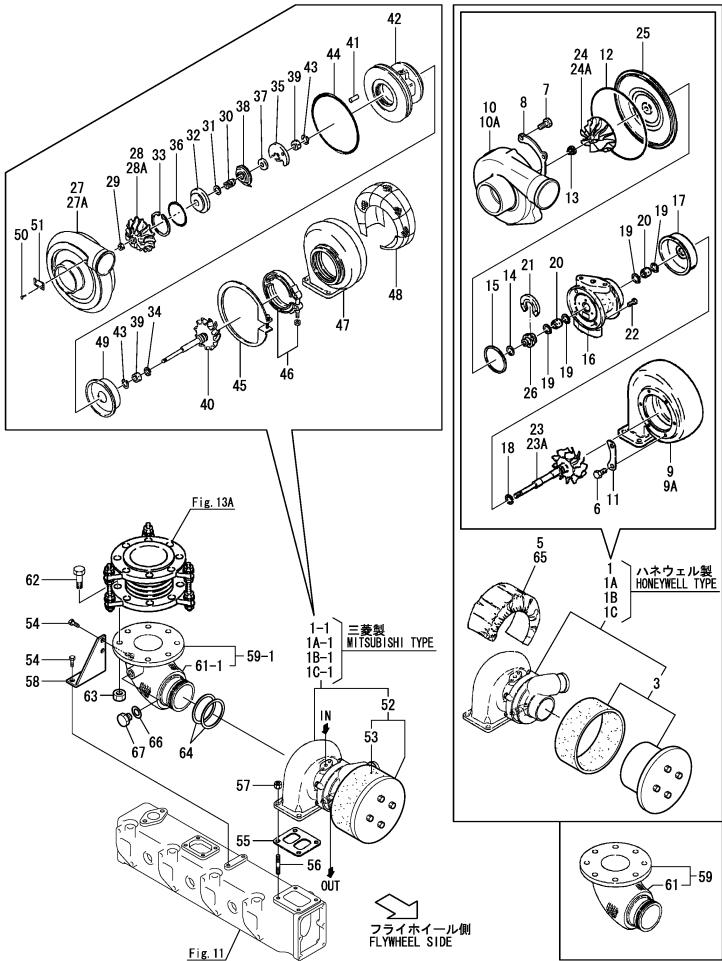
(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126443-18010	TURBOCHARGER	1							1
1-1	1	126443-18050	TURBOCHARGER	1						S	5
(A=*2007.04)											
1A	1	126443-18210	TURBOCHARGER	1						W	2
(A=EXXXXX)											
1A-1	1	126443-18050-A	TURBOCHARGER	1						S	5
(A=*2007.04)											
1B	1	126443-18030	TURBOCHARGER	1						W	3
(A=EXXXXX)											
1B-1	1	126443-18060	TURBOCHARGER	1						S	6
(A=*2007.04)											
1C	1	126443-18230	TURBOCHARGER	1						W	4
(A=EXXXXX)											
1C-1	1	126443-18060-A	TURBOCHARGER	1						S	6
(A=*2007.04)											
3	2	127487-18850	SILENCER	1							
5	2	127656-18860	INSULATOR	1							Z
(A=EXXXXX)											
6	2	940045-00001	BOLT	6							
7	2	940097-50303	BOLT	6							
8	2	944313-60001	CLAMP	2							
9	2	941040-10023	HOUSING, TURBO.	1							7
9A	2	941040-10034	HOUSING, TURBO.	1						W	8
(A=EXXXXX)											
10	2	944321-90103	HOUSING	1							7
10A	2	944321-90104	HOUSING	1						W	8
(A=EXXXXX)											
11	2	940884-80002	PLATE, CLAMP	2							
12	2	940306-90077	SEAL RING	1							
13	2	940076-80011	NUT, LOCK	1							
14	2	940381-80009	RING, PISTON	1							
15	2	940042-40000	RING, SEAL	1							
16	2	943002-70058	HOUSING ASSY, CENTER	1							
17	2	940929-90000	WHEEL	1							
18	2	940804-90009	RING, COMPRESSION	1							
19	2	940056-80000	RING, RETAINING	4							
20	2	940805-60000	BEARING	2							
21	2	940690-70000	BEARING, THRUST	1							
22	2	944410-10202	BOLT	4							
23	2	941018-80005	WHEEL	1							7
23A	2	941018-80019	WHEEL	1						W	8
(A=EXXXXX)											
24	2	944229-30006	WHEEL	1							7
24A	2	944229-30015	WHEEL	1						W	8
(A=EXXXXX)											
25	2	940804-50030	BACK PLATE	1							
26	2	948028-80004	COLLAR	1							
27	2	X4918756020	HOUSING, TURBO	1							7
27A	2	X4918756040	HOUSING, TURBO	1							8
28	2	X4918743820	WHEEL	1							7
28A	2	X4918743840	WHEEL	1							8

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
++ CONTINUE ++
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Fig.13.EXHAUST BEND & TURBOCHARGER

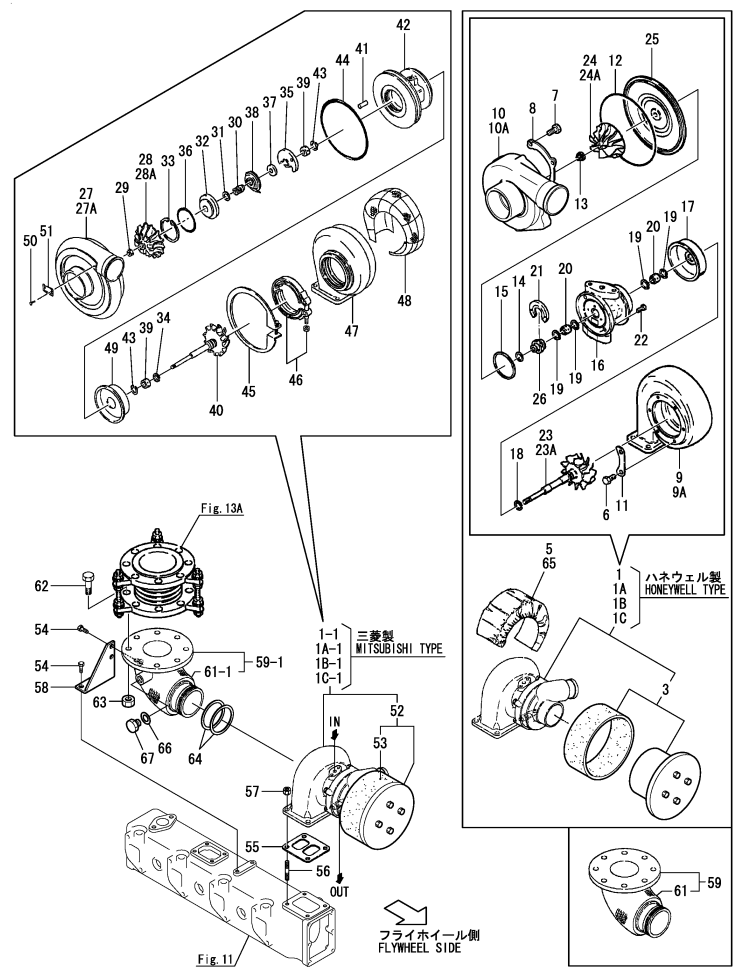


- Remarks
- (1)For 1200min-1 Inc.from No.3 to 26
 - (2)For 1200min-1(jg)
 - (3)For 1500,1800min-1 Inc.from No.3 to 26
 - (4)For 1500,1800min-1(jg)
 - (5)Interchangeable by simultaneous replacement with Fig.10 No.14-1&15-1. For 1200min-1 Inc.from No.27 to 53
 - (6)Interchangeable by simultaneous replacement with Fig.10 No.14-1&15-1. For 1500,1800min-1 Inc.from No.27A to 53
 - (7)For 1200min-1(8)For 1500,1800min-1

13.EXHAUST BEND & TURBOCHARGER

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
29	2	X4918642220	NUT,LOCK	1							
30	2	X4918742110	SLEEVE	1							
31	2	126443-18830	RING,PISTON	1							
32	2	X4918722520	INSERT	1							
33	2	X4916823201	RING,SNAP	1							
34	2	126443-18820	RING,PISTON	1							
35	2	126443-18810	BEARING	1							
36	2	X4916822100	O-RING	1							
37	2	X4918742300	RING,THRUST	1							
38	2	X4918722200	DEFLECTOR,OIL	1							
39	2	126443-18800	BEARING	2							
40	2	X4918730130	WHEEL	1							
41	2	X4918322800	PIN,SPRING	1							
42	2	X4918720200	HOUSING ASSY,CENTER	1							
43	2	X4918722310	RING	2							
44	2	XF315613000	O-RING	1							
45	2	X4918723300	RING,SNAP	1							
46	2	X4918714000	COUP,RING	1							
47	2	X4918710300	HOUSING	1							
48	2	126443-18470	LAGING	1							
49	2	X4918719100	PLATE	1							
50	2	X0066502048	RVET	2							
51	2	X4616855200	PLATE	1							
52	2	126443-18870	SILENCER	1							
53	3	126443-18880	PRE CLEANER	1							
54	1	26106-100202	BOLT M10X 20 PLATED	4							
54-1	1	26106-100162	BOLT M10X 16 PLATED	4							R
(A=*1998.11)											
55	1	123678-18050	GASKET	1							
56	1	26213-100252	STUD M10X 25	4							
57	1	26713-100002	NUT, M10 (STENILES	4							
57-1	1	128633-18700	U-NUT	4							N
(A=*2007.04)											
58	1	126443-13100	SUPPORT	1							
59	1	127653-18300	BEND	1							
59-1	1	126443-18500	BEND(TURBINE OUT	1							R
(A=*1998.11)											
61	2	127653-18390	INSULATOR	1							
61-1	2	126443-18520	INSULATOR, HEAT	1							R
(A=*1998.11)											
62	1	26113-160502	BOLT M16X 50	8							
62-1	1	26113-160602	BOLT M16X 60	8							R
(A=*1998.11)											
62-2	1	26116-160602	BOLT M16X 60 PLATED	8							N
(A=EZZZZZ)											
63	1	26713-160002	NUT M16	8							
63-1	1	26716-160002	NUT M16	8							N
(A=EZZZZZ)											
64	1	113200-22120	RING	2							W
(A=*1998.06)											
65	1	127656-18860	INSULATOR	1							W

Fig.13.EXHAUST BEND & TURBOCHARGER



- Remarks
- (1)For 1200min-1 Inc.from No.3 to 26
 - (2)For 1200min-1(jg)
 - (3)For 1500,1800min-1 Inc.from No.3 to 26
 - (4)For 1500,1800min-1(jg)
 - (5)Interchangeable by simultaneous replacement with Fig.10 No.14-1&15-1. For 1200min-1 Inc.from No.27 to 53
 - (6)Interchangeable by simultaneous replacement with Fig.10 No.14-1&15-1. For 1500,1800min-1 Inc.from No.27A to 53
 - (7)For 1200min-1(8)For 1500,1800min-1

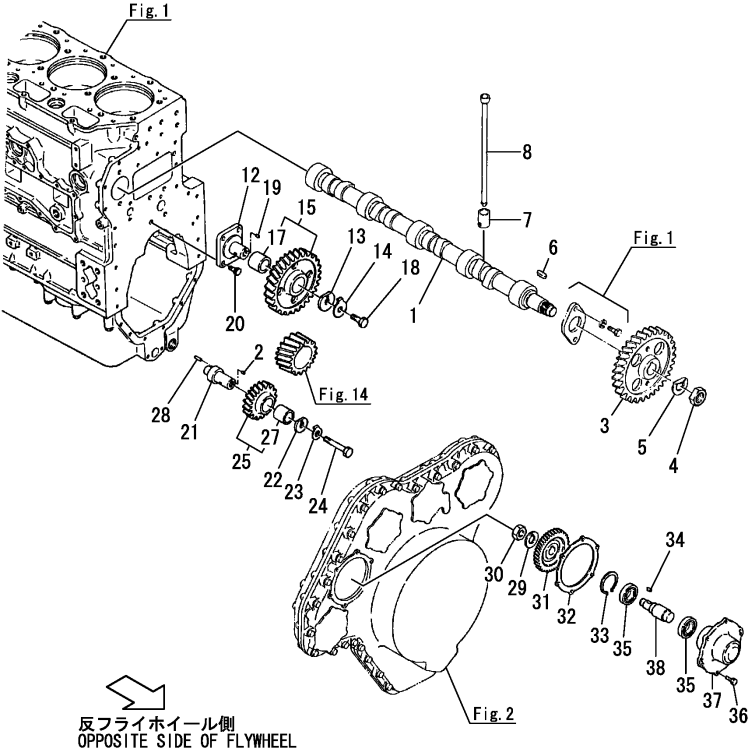
13.EXHAUST BEND & TURBOCHARGER

(A)=4HAL2-TN(1)
(B)=
(C)=

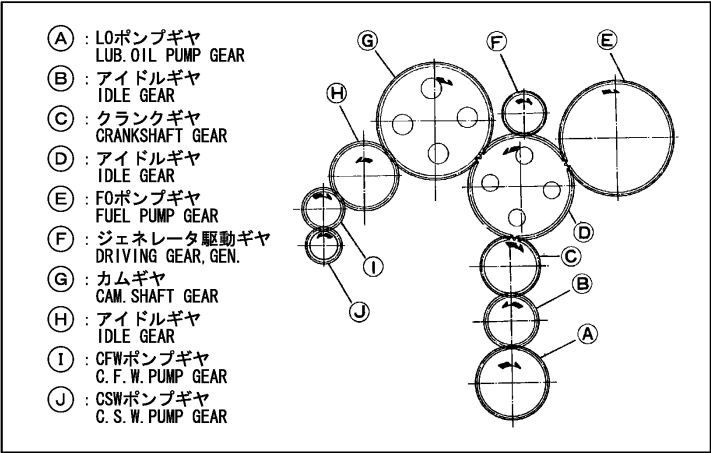
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
65-1	1	126443-18860	INSULATOR	1							N
66	1	23414-210000	PACKING 21X 1,RD.	1							W
67	1	23894-040002	PLUG G1/2-HEX.	1							W

Fig.12.CAMSHAFT & IDLE GEAR



反フライホイール側
OPPOSITE SIDE OF FLYWHEEL



12.CAMSHAFT & IDLE GEAR

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126443-14010	CAMSHAFT	1							
2	1	22312-040080	PARALLEL PIN, M4X8	1							
3	1	126650-14100	GEAR, CAMSHAFT	1							
4	1	126650-14120	NUT	1							
5	1	126650-14130	WASHER	1							
6	1	22512-100340	KEY, 10X34	1							
7	1	144679-14200	TAPPET	8							
8	1	126650-14410	ROD, PUSH	8							
8-1	1	126650-14420	ROD, PUSH	8							R
(A=EZZZZZ)											
12	1	126650-14722	BRACKET, IDLE GEAR	1							
13	1	126650-14731	SPACER	1							
14	1	126650-14790	WASHER	1							
15	1	126650-14801	GEAR, IDLE	1							
17	2	126650-14780	BUSH, IDLE GEAR	1							
18	1	126650-14860	BOLT M16X25	1							
19	1	22312-040080	PARALLEL PIN, M4X8	1							
20	1	26106-100222	BOLT M10X 22 PLATED	4							
21	1	126650-14750	BRACKET, IDLE GEAR	1							
22	1	126650-14760	RETAINER	1							
23	1	126650-14770	WASHER, TONGUED	1							
24	1	126650-14850	BOLT M12X85	1							
25	1	126650-14901	GEAR (Z=32), IDLE	1							
27	2	135410-32620	BUSH	1							
28	1	22351-040016	SPRING PIN 4X16	1							
29	1	122510-14130	WASHER	1							
30	1	122510-14140	NUT	1							
31	1	126630-42560	GEAR	1							
32	1	126630-42611	GASKET, MOUNT	1							
33	1	22252-000620	CIRCLIP 62(H)	1							
34	1	22512-070160	KEY, 7X16	1							
35	1	24101-062064	BALL BEARING	2							
36	1	26106-080252	BOLT M 8X 25 PLATED	6							
37	1	41641-550300	CASE, BEARING	1							
38	1	41641-550310	SHAFT	1							



 フライホイール側
FLYWHEEL SIDE

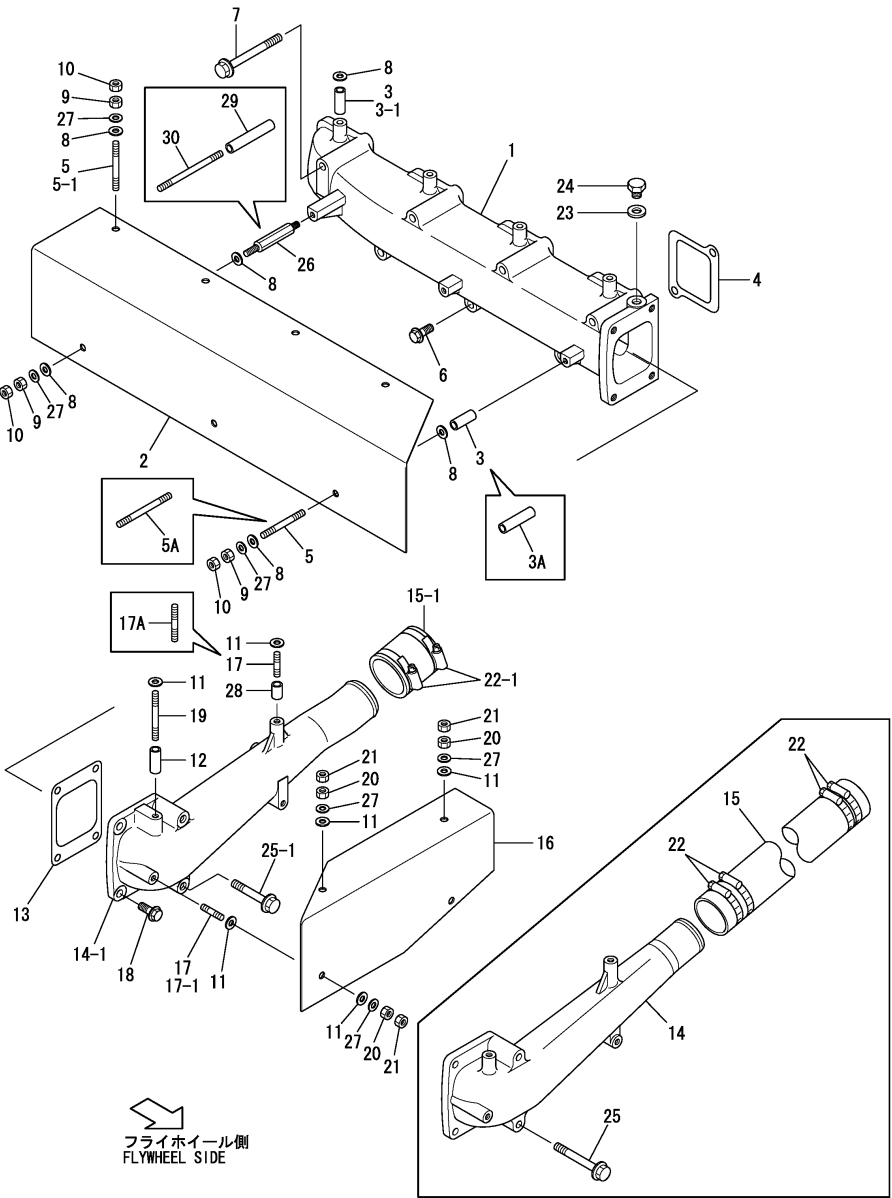
(F)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	726443-13500	MANIFOLD ASSY, EXH-	1					
3	2	126443-13021	COVER A	1					
4	2	126443-13031	COVER B	1					
5	2	126443-13040	GASKET	2					
6	2	27241-280000	PLUG, 28	5					
7	2	126660-44100	COVER	2					
8	2	126660-44110	GASKET	2					
9	2	23414-170000	GASKET 17, ROUND	4					
10	2	23414-170000	GASKET 17, ROUND	1					
11	2	23893-030002	PLUG G3/8 HEX	4					
12	2	23893-030002	PLUG G3/8 HEX	1					
13	2	26106-080162	BOLT M 8X 16 PLATED	12					
14	2	26106-100202	BOLT M10X 20 PLATED	8					
15	1	126634-13211	GASKET	4					
15-1	1	126634-13212	GASKET, EXH-MANIFOLD	4					N
		(A=*1999.11)							
16	1	126438-13250	SUPPORT	2					
17	1	26106-100162	BOLT M10X 16 PLATED	4					
18	1	26116-101552	BOLT M10X155 PLATED	8					
19	1	126443-49800	PIPE, MANIFOLD	1					W
		(A=EXXXXXX)							
21	2	23341-180000	JOINT, PIPE 18	2					W
		(A=EXXXXXX)							
22	1	23414-220000	PACKING 22,ROUND	4					W
		(A=EXXXXXX)							
23	1	23857-180000	JOINT BOLT 18	2					W
		(A=EXXXXXX)							

Fig.10.SUCTION MANIFOLD & CONNECT PIPE

10.SUCTION MANIFOLD & CONNECT PIPE



Remarks
(1)For single type fuel strainer.
(2)For selector cock type fuel strainer.

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126443-12100	MANIFOLD ASSY,SUC	1							
2	1	126443-12110	INSULATOR	1							
2-1	1	126443-12111	INSULATOR, SUCTION	1							S
(A=*2008.10)											
3	1	126443-12120	SPACER	6							
3-1	1	126443-12121	SPACER, INSULATOR	4							S
(A=*2008.10)											
3A	1	126443-12130	SPACER, INSULATOR	2							W
(A=*2008.10)											
4	1	126635-12131	GASKET	4							
5	1	26226-080602	STUD 8X60	6							
5-1	1	26226-080802	STUD M 8X 80	4							S
(A=*2008.10)											
5A	1	26226-080752	STUD M 8X 75 PLATED	2							W
(A=*2008.10)											
5A-1	1	26226-080802	STUD M 8X 80	2							N
(A=EZZZZZ)											
6	1	26106-100252	BOLT M10X 25 PLATED	1							
7	1	26106-101002	BOLT M10X100 PLATED	7							
8	1	126616-18760	PAD	14							
9	1	26716-080002	NUT M 8	7							
10	1	26756-080002	LOCK NUT M 8 PLATED	7							
11	1	126616-18760	PAD	8							
12	1	126443-12120	SPACER	1							
12-1	1	126443-12121	SPACER, INSULATOR	1							S
(A=*2008.10)											
13	1	126650-12212	GASKET	1							
14	1	126443-18120	AIR DUCT	1							
14-1	1	126443-18130	AIR DUCT	1							S
(A=*2007.04)											
15	1	127620-18130	PIPE (RUBBER)	1							
15-1	1	126443-18400	JOINT,RUBBER	1							S
(A=*2007.04)											
16	1	126443-18200	INSULATOR	1							
16-1	1	126443-18201	INSULATOR, AIR DUCT	1							S
(A=*2008.10)											
17	1	26226-080202	STUD M 8X 20 PLATED	3							
17-1	1	26226-080202	STUD M 8X 20 PLATED	2							K
(A=*2008.10)											
17A	1	26226-080402	STUD M 8X40	1							W
(A=*2008.10)											
18	1	26106-100252	BOLT M10X 25 PLATED	2							
19	1	26226-080602	STUD 8X60	1							
19-1	1	26226-080802	STUD M 8X 80	1							S
(A=*2008.10)											
20	1	26716-080002	NUT M 8	4							
21	1	26756-080002	LOCK NUT M 8 PLATED	4							
22	1	43730-552161	CLIP HOSE,61	4							
22-1	1	43730-552171	CLIP HOSE,71	2							S
(A=*2007.04)											
23	1	23414-120000	GASKET 12, ROUND	1							

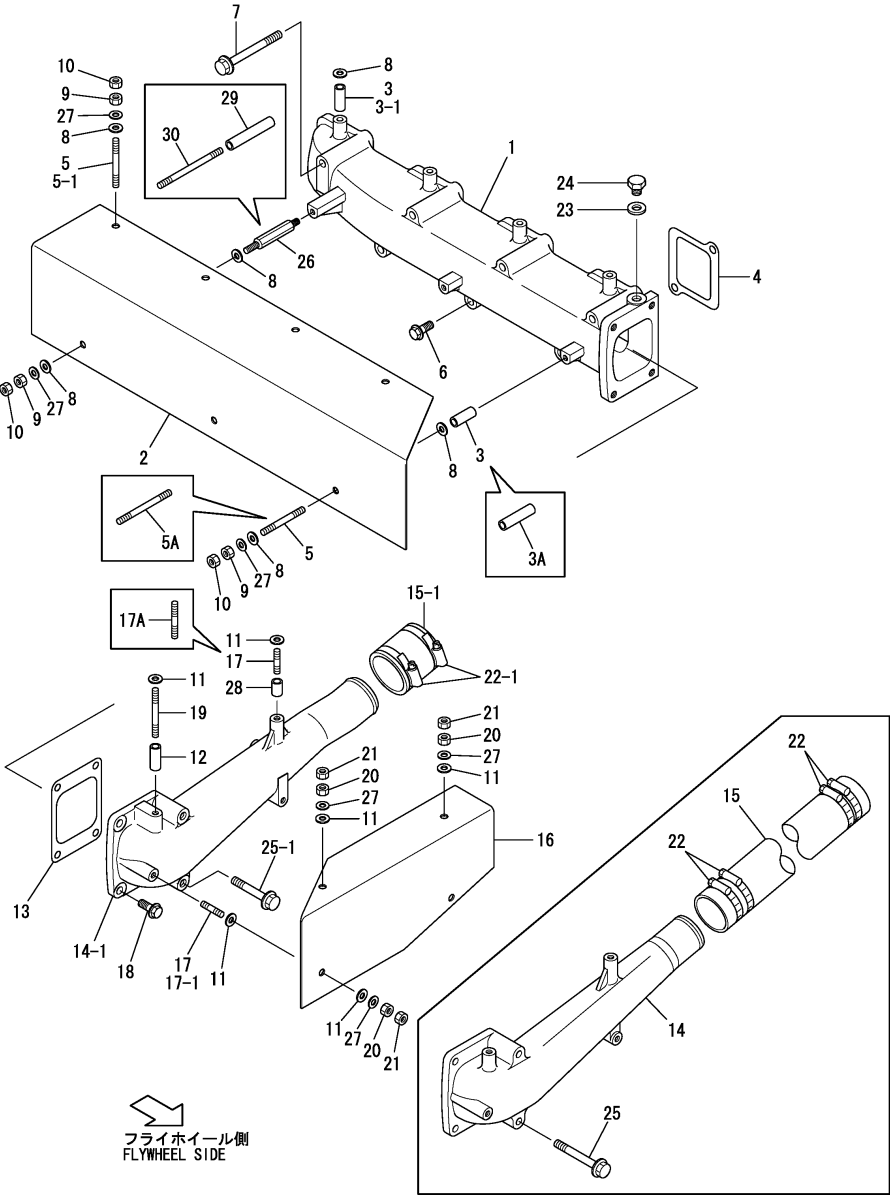
Fig.10.SUCTION MANIFOLD & CONNECT PIPE

10.SUCTION MANIFOLD & CONNECT PIPE

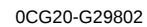
(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
24	1	23887-120002	PLUG M12HEX	1							
25	1	26106-100802	BOLT M10X 80 PLATED	2							
25-1	1	26106-100652	BOLT M10X 65 PLATED	2							S
(A=*2007.04)											
26	1	126616-77810	BOLT	1							W 1
(A=FROM 1ST)											
26-1	1	126443-12140	BOLT, SPACER	1							S 1
(A=*2008.10)											
27	1	22137-080000	WASHER 8, POLISHED	11							W
(A=*2008.10)											
28	1	126443-18190	SPACER, INSULATOR	1							W
(A=*2008.10)											
29	1	126443-12150	SPACER, INSULATOR	1							W 2
(A=*2008.10)											
30	1	26226-081002	STUD M8X100	1							W 2
(A=*2008.10)											



Remarks
(1)For single type fuel strainer.
(2)For selector cock type fuel strainer.

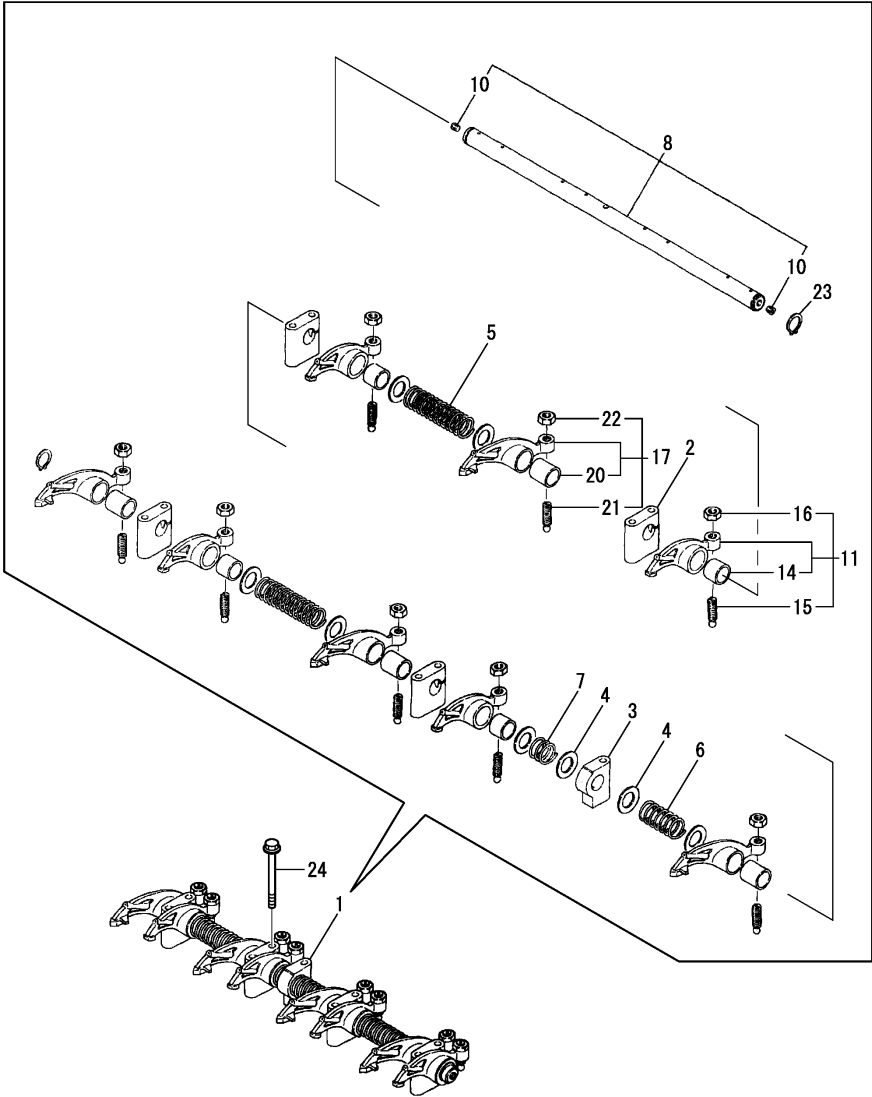


9.BONNET

$$(F)=$$

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.8.SUCTION/EXHAUST VALVE ROCKER ARM



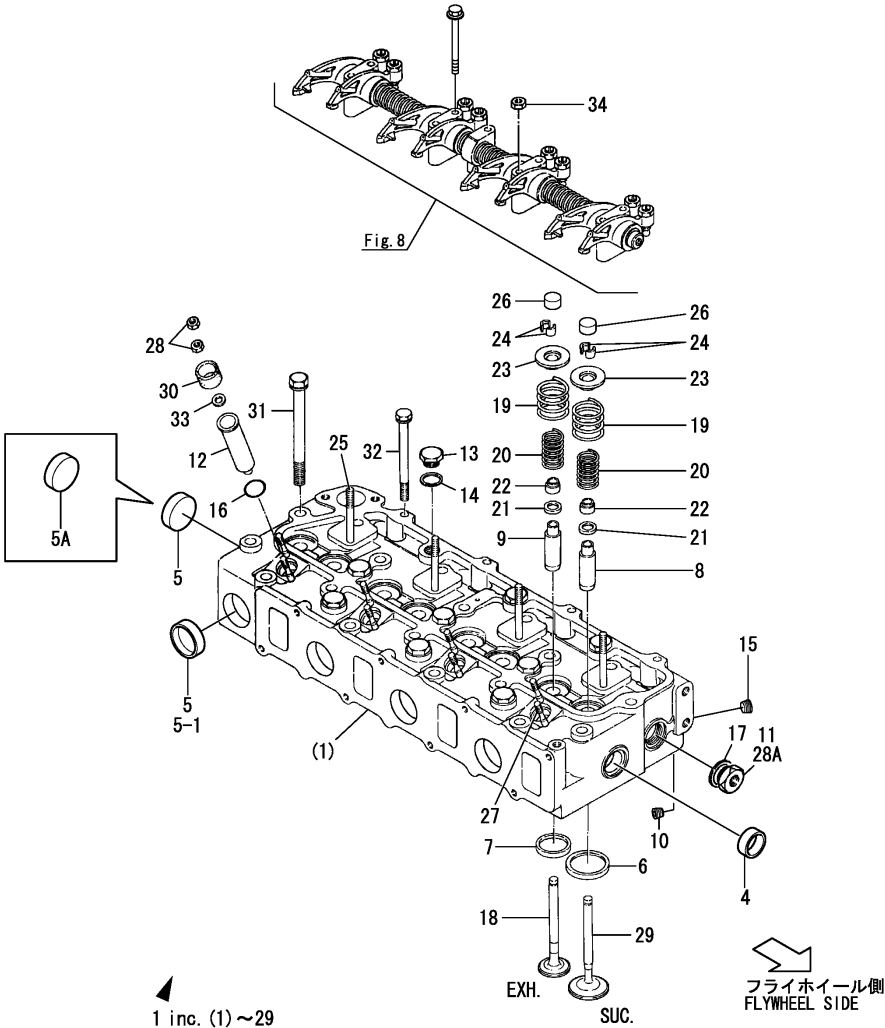
8.SUCTION/EXHAUST VALVE ROCKER ARM

(A)=4HAL2-TN(1)
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	726450-11500	SUPPORT ASSY, ARM	1							
2	2	126650-11260	SUPPORT, ROCKER ARM	4							
3	2	126650-11271	SUPPORT, ROCKER ARM	1							
4	2	135210-11280	WASHER	8							
5	2	126650-11350	SPRING (A)	2							
6	2	126650-11360	SPRING (B)	1							
7	2	126650-11370	SPRING (B)	1							
8	2	126450-11710	SHAFT, ROCKER ARM	1							
10	3	23871-010000	PLUG PT18, SCREW	2							
11	2	726650-11651	ARM ASSY, ROCKER	4							
14	4	126650-11221	BUSH, ROCKER ARM	4							
15	3	144626-11240	SCREW, VALVE	4							
16	3	26776-120002	LOCK NUT M12 PLATED	4							
17	2	726630-11661	ARM ASSY, ROCKER	4							
20	4	126650-11231	BUSH, ROCKER ARM	4							
21	3	144626-11240	SCREW, VALVE	4							
22	3	26776-120002	LOCK NUT M12 PLATED	4							
23	2	22242-000250	CIRCLIP 25S	2							
24	1	26106-100802	BOLT M10X 80 PLATED	5							

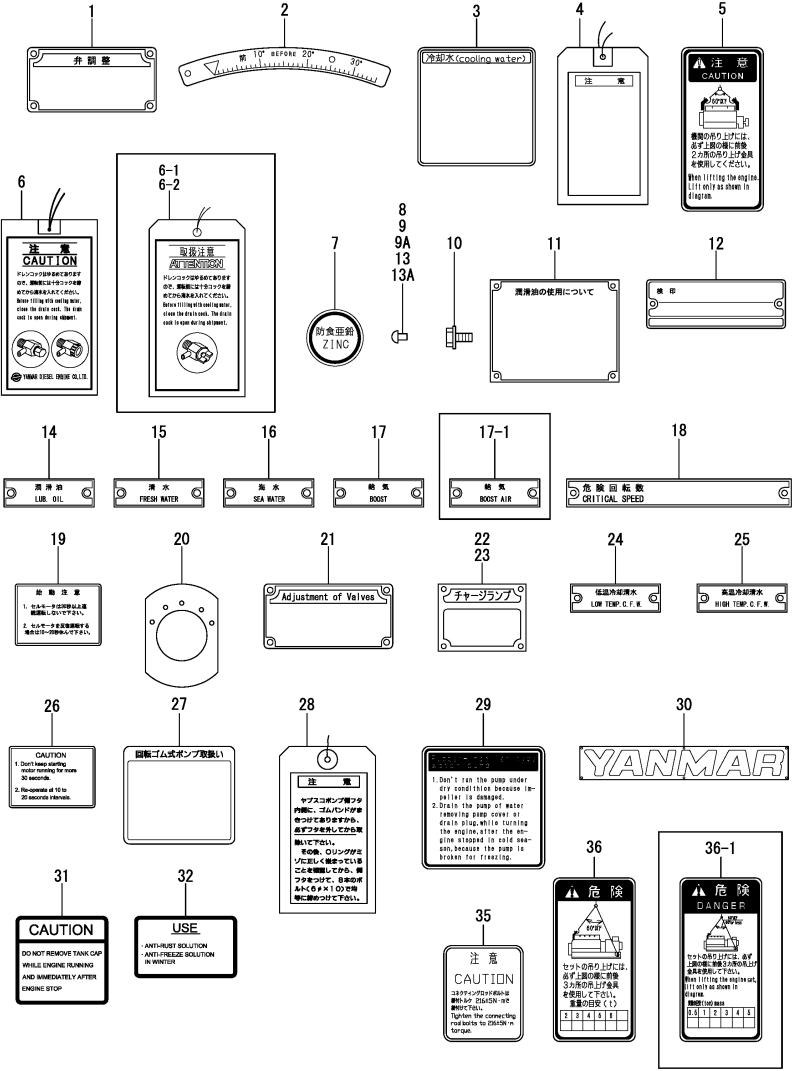
Fig.7.CYLINDER HEAD



7.CYLINDER HEAD

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	726443-11700	HEAD ASSY, CYLINDER	1							
4	3	27241-350000	PLUG, 35	5							
5	3	27241-400000	PLUG 40	5							
5-1	3	27241-400000	PLUG 40	4							K
(A=EZZZZZ)											
5A	3	128610-11950	PLUG 45	1							W
(A=EZZZZZ)											
6	3	126625-11080	SEAT, SUCTION VALVE	4							
7	3	126625-11090	SEAT, EX-HAUST VALVE	4							
8	3	126650-11160	GUIDE, VALVE	4							
9	3	126650-11170	GUIDE, VALVE	4							
10	3	123372-11720	TAPER PLUG PT1/4 SUS	4							Z
(A=EXXXXX)											
11	3	126430-11750	JOINT	1							Z
(A=EXXXXX)											
12	3	126650-11850	SLEEVE	4							
13	3	144626-11970	PLUG, M25X2	9							
14	3	23414-250031	GASKET 25	9							
15	3	23871-030000	PLUG PT3/8, SCREW	4							
15-1	3	23876-030000	PLUG PT3/8, SCREW	4							N
(A=EXXXXX)											
16	3	24316-000260	O-RING 4D P-26.0	4							
17	3	126650-11630	GASKET	1							Z
(A=EXXXXX)											
18	2	126625-11110	VALVE, EX-HAUST	4							
19	2	126630-11120	SPRING (A), VALVE	8							
20	2	126630-11130	SPRING (B), VALVE	8							
21	2	126650-11140	GUIDE	8							
22	2	126480-11150	SEAL, VALVE STEM	8							
22-1	2	126628-11150	SEAL, VALVE STEM	8							N
(A=EXXXXX)											
23	2	126635-11180	ROTATOR, VALVE	8							
24	2	126650-11190	COTTER	8							
24-1	2	126650-11191	COTTER	8							R
(A=*1998.03)											
25	2	126640-11280	BOLT (A)	4							
26	2	126635-11560	CAP	8							
27	2	126650-11770	BOLT, STUD	8							
28	2	26366-080002	NUT M 8	8							
28A	2	126430-11750	JOINT	1							W
(A=EXXXXX)											
29	2	126625-11100	VALVE, SUCTION	4							
30	1	126650-11960	SEAL	4							
31	1	126625-01200	STUD, CYL. HEAD	18							
31-1	1	126625-01220	BOLT, CYL. HEAD	18							S
(A=*2002.08)											
32	1	126625-01210	STUD, CYL. HEAD	4							
33	1	126650-11840	GASKET, T=1.5	4							
34	1	26366-100002	NUT M10	4							

Fig.6.LABEL

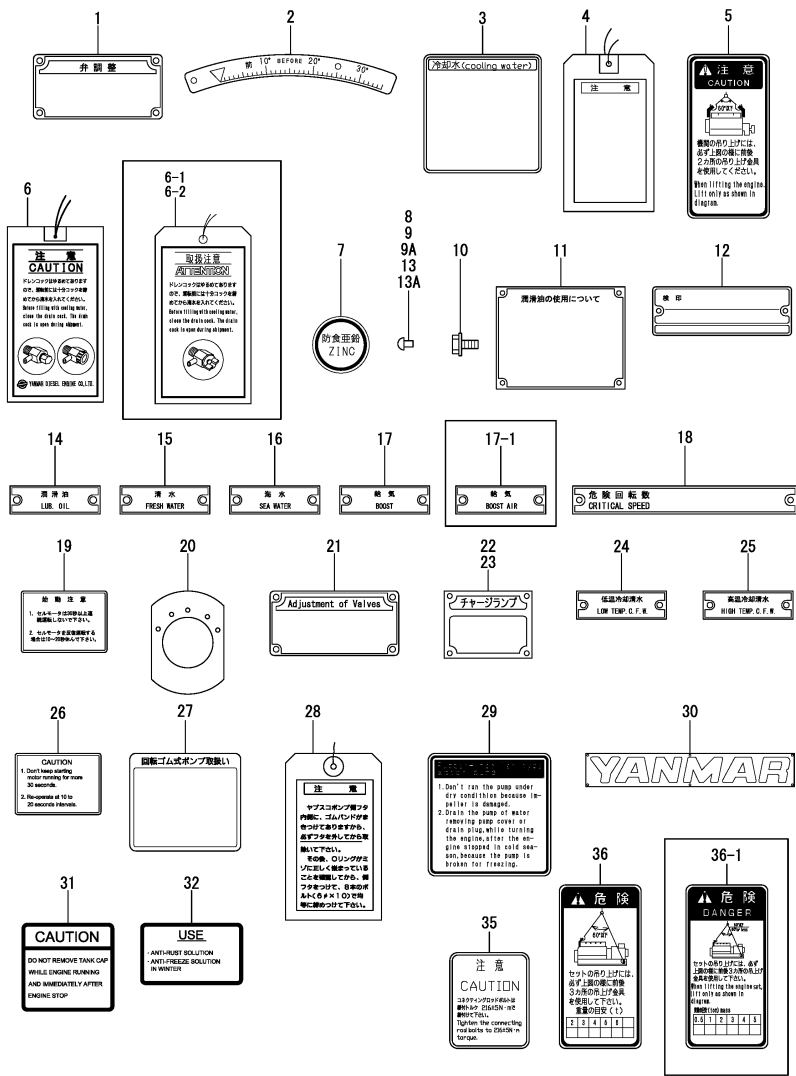


Remarks
(1)jg
(2)Generator spec.
(3)W/O generator spec.
(4)2-circuit fresh/sea water cooling spec.
(5)Electric starting spec.
(6)2-circuit fresh/fresh water cooling spec.

6.LABEL

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126650-07101	LABEL	1							
1-1	1	126650-07102	LABEL	1						N	
(A=*1999.10)											
2	1	126450-07300	LABEL	1							
2-1	1	126450-07301	LABEL	1						R	
(A=EZZZZZ)											
3	1	129198-07350	LABEL, TANK	1							
4	1	126630-07360	LABEL (CW.TANK)	1							
4-1	1	126630-07361	LABEL (CW.TANK)	1						N	
(A=EXXXXX)											
5	1	144626-07410	NAMEPLATE,LIFT.CAUT.	1							
6	1	123682-07850	LABEL	1							
6-1	1	123682-07851	LABEL, CW. TANK	1						N	
(A=EXXXXX)											
6-2	1	123682-07852	LABEL, CW. TANK	1						N	
(A=EXXXXX)											
7	1	124220-09340	LABEL	6							
8	1	22624-200030	RMET, 2.0X3	4							
9	1	22624-200030	RMET, 2.0X3	4							
9A	1	22624-200030	RMET, 2.0X3	14						W	
(A=EXXXXX)											
10	1	26106-060122	BOLT M 6X 12 PLATED	2							
11	1	42221-551420	LABEL	1							
12	1	126630-07450	LABEL	1							1
12-1	1	126630-07451	LABEL	1						N	1
(A=*2001.01)											
12-2	1	126630-07452	LABEL	1						N	1
(A=*2002.07)											
13	1	137900-91451	RMET	14							2
13A	1	137900-91451	RMET	10							3
14	1	42221-007740	NAMEPLATE,LUB.OIL	1							
15	1	42221-007760	LABEL	1							4
16	1	42221-007770	LABEL	1							4
17	1	42221-007800	LABEL(SUC.PRESSURE	1							
17-1	1	42221-007870	NAMEPLATE,SUC.PRESS.	1						N	
(A=EXXXXX)											
18	1	42221-007960	NAMEPLATE,CRIT.RPM	1							
18-1	1	42221-021220	NAMEPLATE,DANGER MIN	1						S	
(A=*1999.09)											
19	1	42221-551450	LABEL	1							5
20	1	42222-003380	LABEL	1							5
21	1	126630-07110	LABEL	1							
21-1	1	126630-07111	LABEL	1						N	
(A=EXXXXX)											
22	1	125300-91840	LABEL	1							2
23	1	125300-91850	LABEL	1							2
24	1	42221-552910	LABEL	1							6
25	1	42221-552920	LABEL	1							6
26	1	42222-550820	LABEL, STARTING	1							5
27	1	135665-07200	LABEL, CAUTION	1							
28	1	126630-07990	CAUTION PLATE	1							

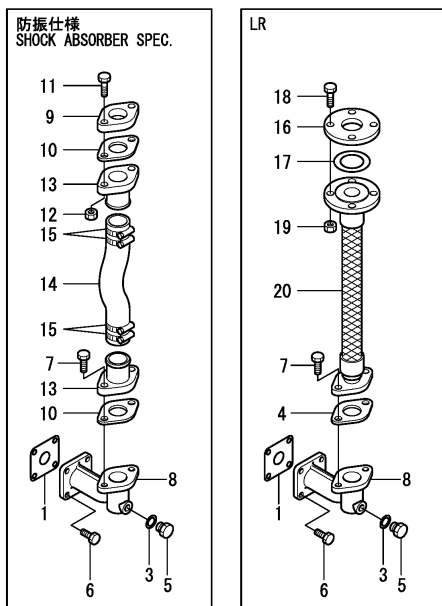
Fig.6.LABEL



Remarks
(1)jg
(2)Generator spec.
(3)W/O generator spec.
(4)2-circuit fresh/sea water cooling spec.
(5)Electric starting spec.
(6)2-circuit fresh/fresh water cooling spec.

6.LABEL

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
29	1	135665-07210	LABEL	1							
30	1	42220-009020	LABEL	1							W
(A=EXXXXX)											
31	1	124772-07150	LABEL	1							W
(A=EXXXXX)											
32	1	124772-07440	LABEL	1							W
(A=EXXXXX)											
35	1	126664-23510	LABEL,TIGHTENING TOR	1							W
(A=EZZZZZ)											
36	1	42221-554970	LABEL,CAUTION	1							W
(A=EXXXXX)											
36-1	1	42221-554971	LABEL, LIFTING	1							N
(A=EZZZZZ)											



(2)LR

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126650-03072	GASKET,BREATHER	1							
2	1	23221-430000	FLANGE 43,OVAL	1							
3	1	23414-170000	GASKET 17,ROUND	1							
4	1	23422-440000	PACKING 44	1							
5	1	23897-030002	PLUG G38,HEX	1							
6	1	26106-100252	BOLT M10X 25 PLATED	4							
7	1	26116-120352	BOLT M12X 35 PLATED	2							
8	1	126443-03100	BREATHER	1							
9	1	23221-430000	FLANGE 43,OVAL	1							1
10	1	23422-440000	PACKING 44	2							1
11	1	26116-120402	BOLT M12X 40	2							1
12	1	26716-120002	NUT 12	2							1
13	1	43560-551110	JOINT	2							1
14	1	43720-555030	FLEXIBLE PIPE	1							1
15	1	43730-552161	CLIP HOSE,61	4							1
16	1	23211-032043	FLANGE	1							2
17	1	23432-032000	GASKET 5K 32X0.5	1							2
18	1	26116-120402	BOLT M12X 40	4							2
19	1	26716-120002	NUT 12	4							2
20	1	43720-556000	FLEXIBLE PIPE	1							2

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

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58.(4A)MAGNETIC PICKUP

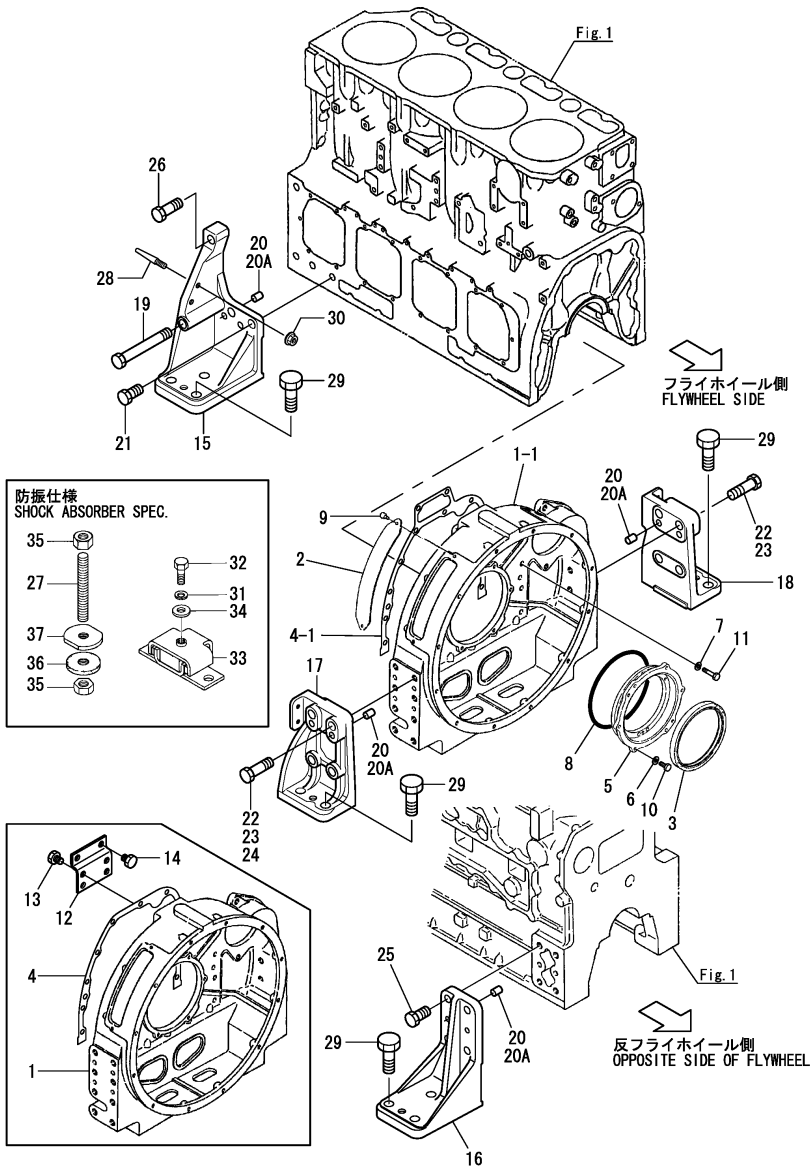
(D)=

$$(E)=$$

(F)=

[illegible]

Fig.4.FLYWHEEL HOUSING

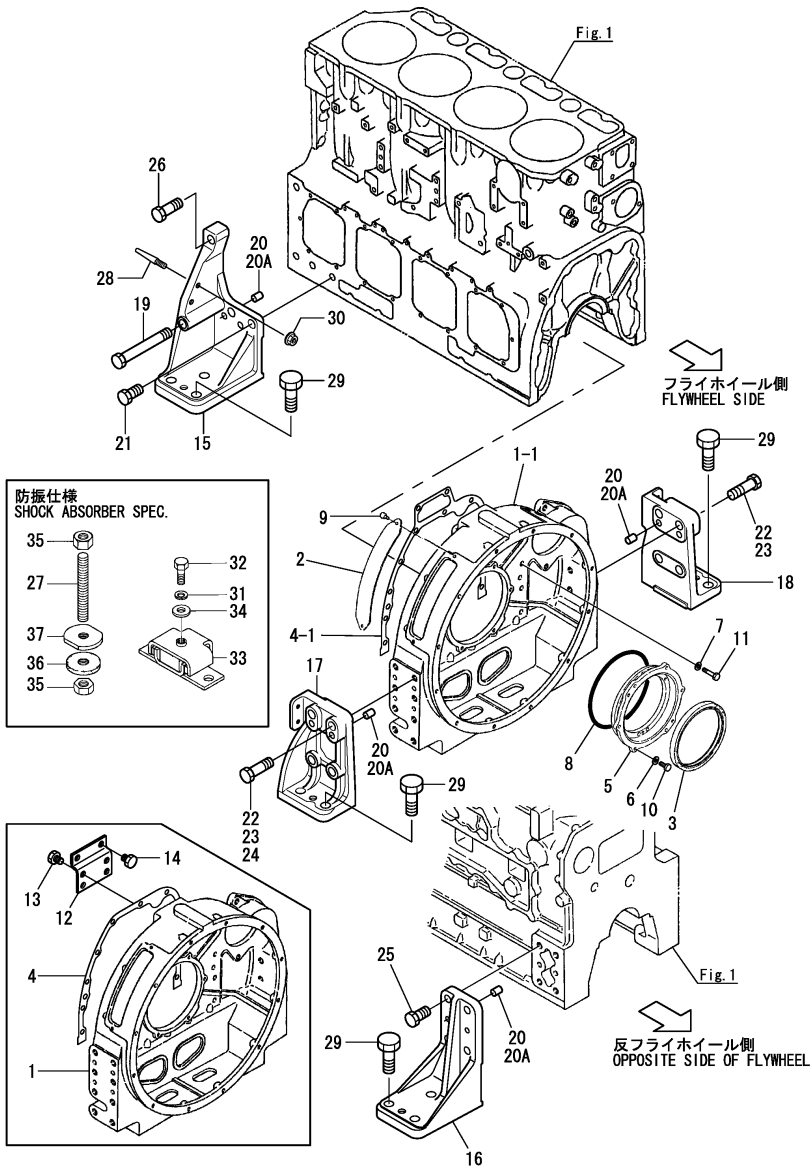


Remarks
(1)Shock absorber spec.
(2)W/O governor motor spec.
(3)Governor motor spec.

0CG20-G29802 4.FLYWHEEL HOUSING

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126628-01600	HOUSING, FLYWHEEL	1							
1-1	1	126628-01601	HOUSING, FLYWHEEL	1						S	
(A=*1999.05)											
2	1	126450-01610	COVER	1							
3	1	126625-01620	SEAL, OIL	1							
4	1	126650-01682	GASKET, HOUSING	1							
4-1	1	126625-01680	GASKET	1						S	
(A=*1999.05)											
5	1	126650-01831	CASE,OIL SEAL	1							
5-1	1	126650-01832	CASE, OIL SEAL	1						N	
(A=*1994.10)											
6	1	22137-080000	WASHER 8, POLISHED	6						Z	
(A=EXXXXX)											
7	1	22217-100000	SPRING WASHER 10	11							
7-1	1	22217-100000	SPRING WASHER 10	13						K	
(A=*1999.05)											
8	1	24321-001900	O-RING 1A G-190.0	1							
9	1	26106-060102	BOLT 6X10 PLATED	2							
10	1	26106-080202	BOLT M8X20 PLATED	6							
11	1	26106-100352	BOLT M10X35 PLATED	11							
11-1	1	26106-100352	BOLT M10X35 PLATED	13						K	
(A=*1999.05)											
12	1	126625-01610	SUPPORT	1						Z	
(A=*1999.05)											
13	1	26106-100202	BOLT M10X20 PLATED	4						Z	
(A=*1999.05)											
14	1	26106-100182	BOLT M10X18 PLATED	2						Z	
(A=*1999.05)											
15	1	126660-01590	BRACKET, ENGINE	1							
16	1	126660-01601	FOOT	1							
17	1	126660-01652	BRACKET, ENGINE	1							
18	1	126660-01662	BRACKET ENGINE D	1							
19	1	26156-161502	BOLT M16X150	1							
20	1	22312-120200	PARALLEL PIN, M12X20	8						W	3
(A=EXXXXX)											
20A	1	127610-21460	PIN	8							2
20A-1	1	22312-120200	PARALLEL PIN, M12X20	8						N	2
(A=EZZZZZ)											
21	1	26156-160402	BOLT M16X40 PLATED	2							
22	1	26156-160652	BOLT M16X65 PLATED	8							2
23	1	26156-160652	BOLT M16X65 PLATED	5							3
24	1	26156-160802	BOLT M16X80, FN. THRD.	3							3
25	1	26156-160402	BOLT M16X40 PLATED	4							
26	1	26156-160602	BOLT M16X60 PLATED	1							
26-1	1	26156-160652	BOLT M16X65 PLATED	1						N	
(A=EXXXXX)											
27	1	45521-552460	BOLT	8							1
28	1	22333-100400	TAPER PIN 10X40	2							
28-1	1	22333-100560	TAPER PIN, 10X56	2						N	
(A=EXXXXX)											
29	1	26116-180502	BOLT M18X50 PLATED	11							

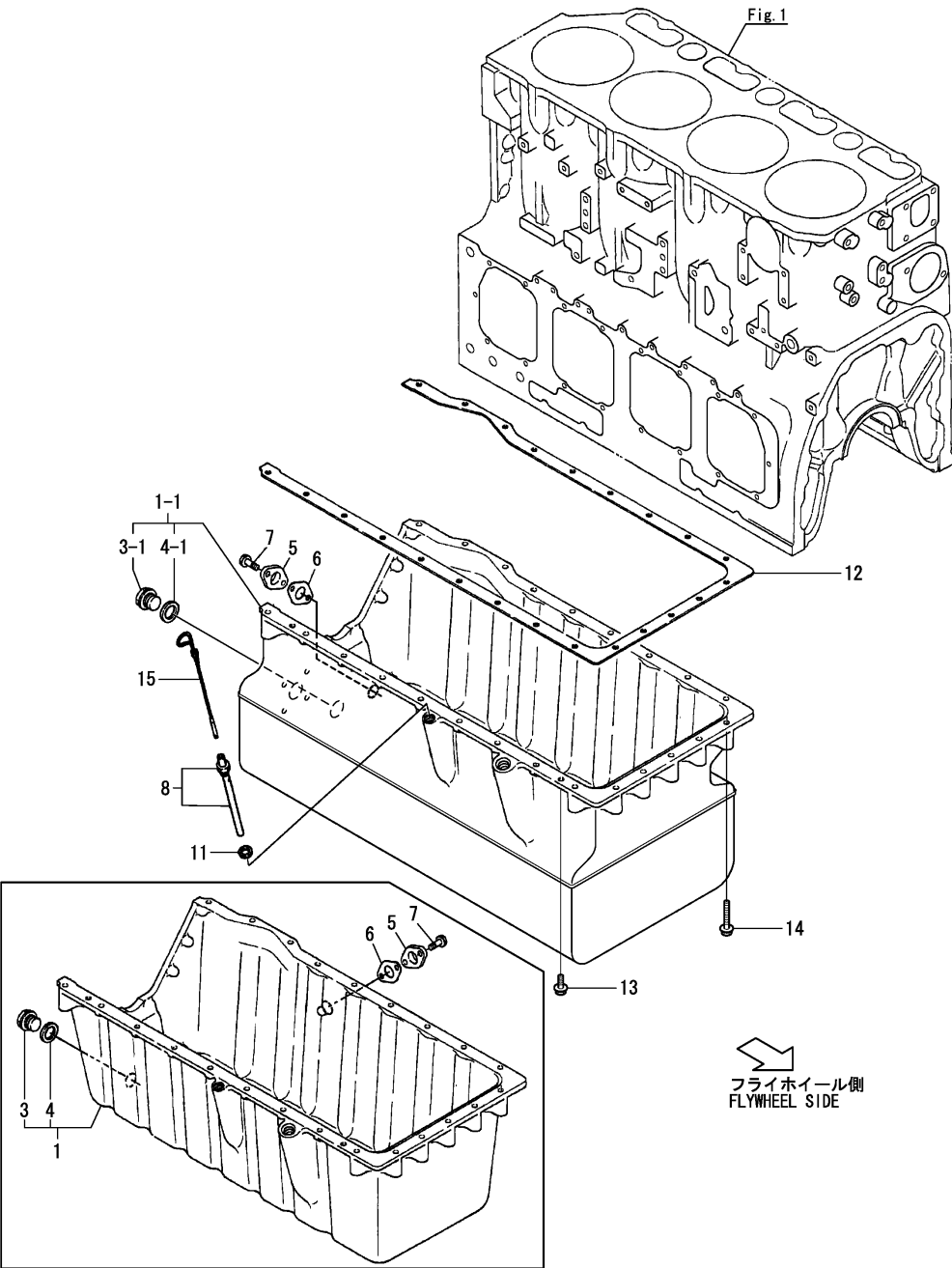
Fig.4.FLYWHEEL HOUSING



- Remarks
- (1)Shock absorber spec.
 - (2)W/O governor motor spec.
 - (3)Governor motor spec.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
30	1	26367-100002	U-NUT M10	2							
30-1	1	26366-100002	NUT M10	2						N	
(A=EXXXXX)											
31	1	22217-140000	SPRING WASHER 14	8							1
32	1	26156-140402	BOLT M14X 40 PLATED	8							1
33	1	41400-554500	MOUNT, FLEXIBLE	8							1
34	1	45511-550960	WASHER	8							1
35	1	26756-200002	LOCK NUT M20 PLATED	16							1
36	1	41400-555010	RUBBER	8							1
37	1	45511-551020	WASHER(NUT)	8							1

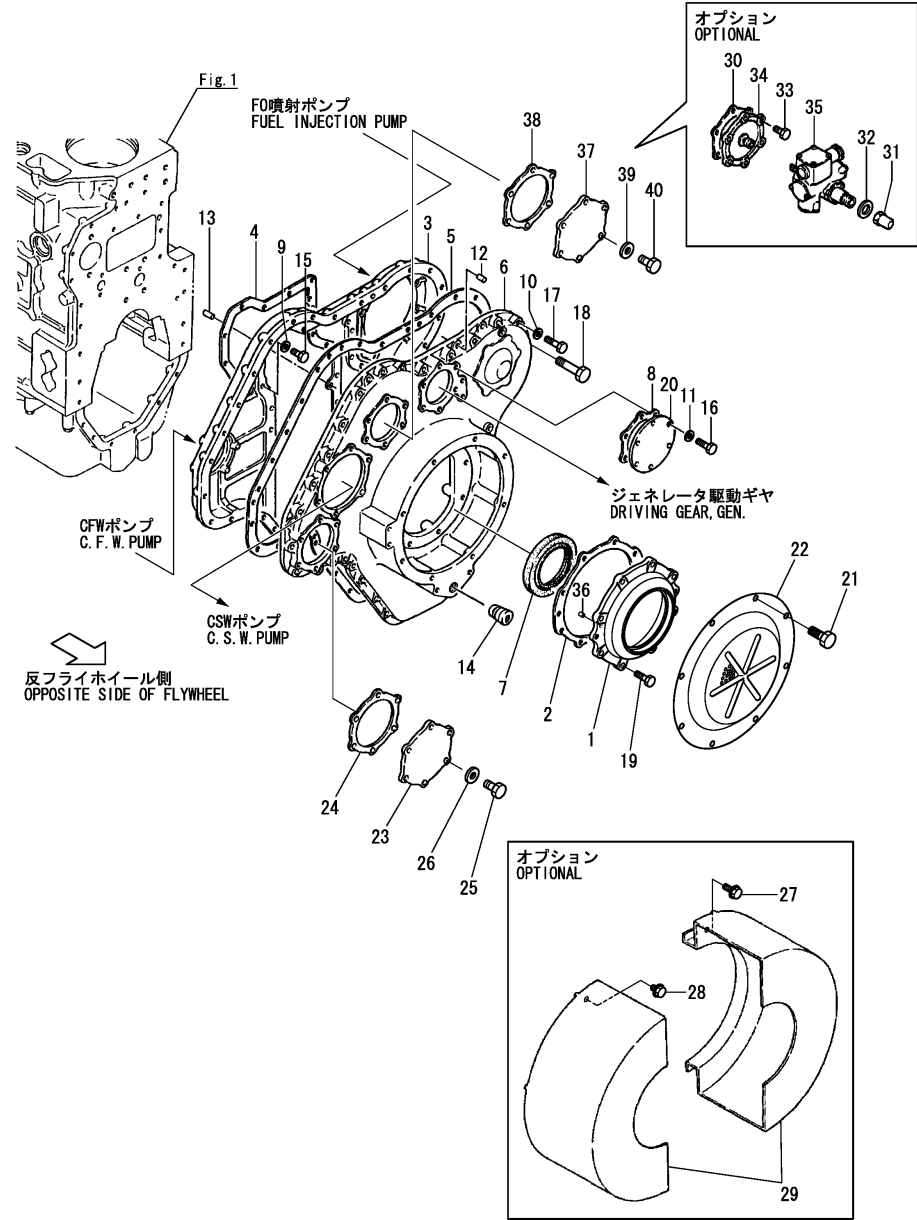
Fig.3.LUB.OIL SUMP



3.LUB.OIL SUMP

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	726440-01540	LUB. OIL SUMP ASSY	1							
1-1	1	726443-01540	LUB. OIL SUMP ASSY	1						S	
(A=*2001.10)											
3	2	135410-01780	PLUG M30	1							
3-1	2	135410-01780	PLUG M30	2						K	
(A=*2001.10)											
4	2	23414-300000	GASKET 30,ROUND	1							
4-1	2	23414-300000	GASKET 30,ROUND	2						K	
(A=*2001.10)											
5	1	23221-250001	FLANGE 25	1							
6	1	23424-260000	PACKING 26	1							
7	1	26106-100282	BOLT M10X 28 PLATED	2							
8	1	126440-34830	GUIDE, DIPSTICK	1							
11	1	23414-140000	GASKET 14, ROUND	1							
12	1	126430-01712	GASKET, OIL SUMP	1							
13	1	26106-100282	BOLT M10X 28 PLATED	13							
14	1	26106-100652	BOLT M10X 65 PLATED	10							
15	1	42130-501260	DIPSTICK	1							

Fig.2.GEAR HOUSING

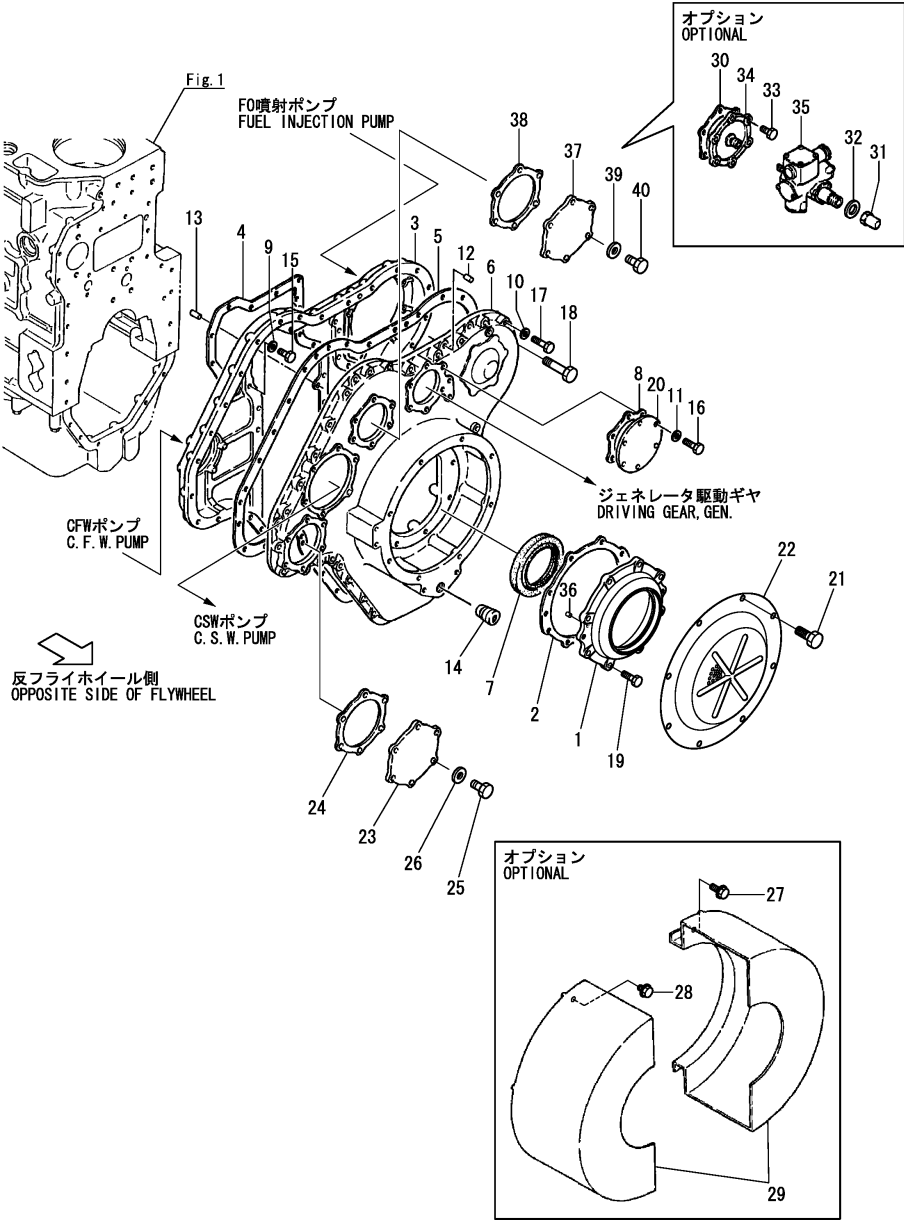


Remarks
(1)Optional parts.

OCG20-G29802 2.GEAR HOUSING

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	126630-01460	COVER, CYL. FRONT	1							
2	1	126630-01472	GASKET, COVER	1							
3	1	126660-01500	CASE, GEAR	1							
4	1	126660-01510	GASKET, GEAR CASE	1							
5	1	126660-01531	PACKING	1							
6	1	126660-01520	COVER,GEAR CASE	1							
7	1	126630-01751	SEAL, OIL	1							
8	1	126630-77362	GASKET, CASE	1							
9	1	22137-080000	WASHER 8, POLISHED	26							
10	1	22137-080000	WASHER 8, POLISHED	30							
11	1	22137-080000	WASHER 8, POLISHED	6							
12	1	22312-080250	PARALLEL PIN, M8X25	2							
13	1	22312-100280	PARALLEL PIN, M10X28	2							
14	1	23871-040000	PLUG PT1/2,SCREW	1							
14-1	1	23876-040000	PLUG PT 1/2	1							N
(A=EXXXXX)											
15	1	26106-080202	BOLT M 8X 20 PLATED	26							
16	1	26106-080202	BOLT M 8X 20 PLATED	6							
17	1	26106-080382	BOLT M 8X 38 PLATED	30							
17-1	1	26106-080402	BOLT M 8X 40 PLATED	30							N
(A=EXXXXX)											
18	1	26106-080552	BOLT M 8X 55 PLATED	1							
19	1	26106-100322	BOLT M10X 32 PLATED	8							
20	1	41601-550440	COVER, BLIND	1							
21	1	26106-100142	BOLT M10X 14 PLATED	8							
22	1	126660-01890	COVER	1							
23	1	123672-01570	COVER (B)	1							
24	1	123682-01580	GASKET, PUMP	1							
24-1	1	126660-01580	GASKET	1							N
(A=EXXXXX)											
25	1	26106-080202	BOLT M 8X 20 PLATED	6							
26	1	22190-080003	WASHER, 8	6							
27	1	26106-100252	BOLT M10X 25 PLATED	2							1
28	1	26106-100142	BOLT M10X 14 PLATED	6							1
29	1	42325-553070	COVER	1							1
30	1	123682-01580	GASKET, PUMP	1							1
30-1	1	126660-01580	GASKET	1							N 1
(A=EXXXXX)											
31	1	135410-84301	CAP NUT	1							1
32	1	23414-220000	PACKING 22,ROUND	1							1
33	1	26106-080252	BOLT M 8X 25 PLATED	6							1
34	1	46150-566670	FRANGE	1							1
35	1	46150-566920	RECEIVER,TACHOMETER	1							1
35-1	1	46150-558371	TRANSMITTER,TACHO(L	1							N 1
(A=EZZZZZ)											
36	1	22312-080100	PARALLEL PIN, M8X10	2							
36-1	1	526660-01999	PIN	2							N
(A=EXXXXX)											
36-2	1	126660-01990	PIN	2							R
(A=EZZZZZ)											
37	1	123672-01570	COVER (B)	1							W

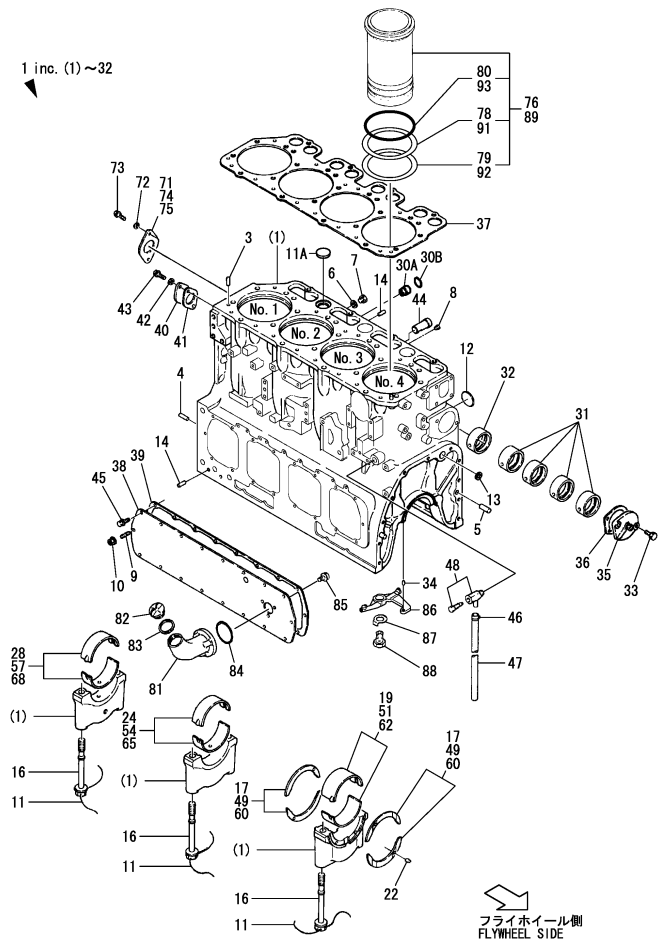
Fig.2.GEAR HOUSING



Remarks
(1)Optional parts.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
		(A=EXXXXX)									
38	1	126660-01580	GASKET	1							W
		(A=EXXXXX)									
39	1	22190-080003	WASHER, 8	6							W
		(A=EXXXXX)									
40	1	26106-080202	BOLT M 8X 20 PLATED	6							W
		(A=EXXXXX)									

Fig.1.CYLINDER BLOCK



Remarks
(1)Over sized(O.S.=0.25)parts.
(2)Under sized(U.S.=0.25)parts.
(3)Over sized(O.S.=0.50)parts.
(4)Under sized(U.S.=0.50)parts.
(5)Plating liner(Outside cylinder)
(6)Interchangeable by simultaneous replacement with No.1-1,76-1 and Fig.7 No.31-1.
(7)Plating liner(Outside cylinder) Interchangeable by simultaneous replacement with No.1-1,89-1 and Fig.7 No.31-1.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
47	1	23061-120500	PIPE 12X 500	1							
48	1	43600-500311	COCK 3/8	1							
49	1	126650-02340	METAL,THRUST 0.25	2							1
51	1	126625-02500	MAIN METAL U.S 0.25	1							2
54	1	126625-02510	MAIN METAL U.S 0.25	3							2
57	1	126625-02520	MAIN METAL U.S 0.25	1							2
60	1	126650-02350	METAL,THRUST 0.5	2							3
62	1	126625-02550	MAIN METAL U.S 0.5	1							4
65	1	126625-02560	MAIN METAL U.S 0.5	3							4
68	1	126625-02570	MAIN METAL U.S 0.5	1							4
71	1	126650-02420	METAL, THRUST	1							
71-1	1	126650-02421	BEARING,THRUST,CAM	1							R
(A=EZZZZZ)											
72	1	22217-100000	SPRING WASHER 10	2							
73	1	26106-100222	BOLT M10X 22 PLATED	2							
74	1	126650-02860	METAL, THRUST	1							1
74-1	1	126650-02861	METAL, THRUST	1							R 1
(A=EZZZZZ)											
75	1	126650-02870	METAL, THRUST	1							3
75-1	1	126650-02871	METAL, THRUST	1							R 3
(A=EZZZZZ)											
76	1	726625-01861	LINER W/PACKING,CYL	4							
76-1	1	726625-01850	LINER ASY	4							S 6
(A=*2002.08)											
78	2	126650-01301	O-RING,CYL LINER	4							
79	2	126650-01311	O-RING,CYL LINER	8							
80	2	144626-01322	O-RING	4							
81	1	128610-01660	FILLER, LUB, OIL	1							
81-1	1	128610-01661	FILLER, LUB, OIL	1							R
(A=EZZZZZ)											
82	1	24798-390000	CAP,OIL	1							
83	1	101704-01760	GASKET, CAP	1							
84	1	24322-000700	O-RING 2 G-70.0	1							
85	1	26106-080142	BOLT 8X 14 PLATED	3							
86	1	126443-39320	NOZZLE	4							
87	1	144626-39370	WASHER	4							
88	1	23857-100000	JOINT BOLT 10	4							
89	1	726660-01860	LINER ASY, CYLINDER	4							5
89-1	1	726660-01830	LINER ASY	4							S 7
(A=*2002.08)											
91	2	126650-01301	O-RING,CYL LINER	4							
92	2	126650-01311	O-RING,CYL LINER	8							
93	2	144626-01322	O-RING	4							