

OCR10-M47803EN

Introduction

1. This parts catalog for 4LHA-STE, 4LHA-STZE, 4LHA-STP, 4LHA-STZP, 4LHA-DTE, 4LHA-DTZE, 4LHA-DTP, 4LHA-DTZP, 4LHA-HTE, 4LHA-HTZE, 4LHA-HTP, 4LHA-HTZP is published as a revised edition of the Diesel engine.

	Parts catalog No.	Date of issue	Remarks
First edition	000Y00R4780	June, 1998	No need
First edition	000Y00R4800	Aug. , 1998	No need
1st edition(supplement)	000Y00R4781	Apr. , 2000	No need
2nd edition(supplement)	000Y00R4782	Sep. , 2001	No need
3rd revised edition	OCR10-G47803	May. , 2012	

2. Standard finish color. Yanmar ecole silver metallic
- | | | |
|-----------|--------------|----------------------|
| Parts No. | 977620-10070 | 1L (Packed in a can) |
| Parts No. | 977620-40070 | 4L (Packed in a can) |
| Parts No. | TOR-90090003 | Spray(1 piece) |
3. This parts catalog dose not contain the technical data needed for maintenance service.
4. The illustrations used in this parts catalog have been simplified for clarity.
5. The contents of this parts catalog are subject to change without notice.
6. Be sure to use only Yanmar genuine part for repairs. If imitation parts are used, it may cause engine defects.

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4.	MOUNTING FOOT(4LHA-ST/DT(Z)E(P))	29.	C.S.W.PUMP(4LHA-HT(Z)E(P))
5.	MOUNTING FOOT(4LHA-HT(Z)E(P))	30.	COOLING FRESH WATER PUMP
6.	LUB.OIL SUMP	31.	C.F.W.COOLER(4LHA-ST/DT(Z)E(P))
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15.	TURBINE(4LHA-ST(Z)E(P))	73.	(40A)BILGE PUMP(OPTIONAL)(FROM EXXXXXX)
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20.	CRANKSHAFT	45.	TIMER
21.	PISTON & CONNECTING ROD	46.	FUEL INJECTION VALVE
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Contents

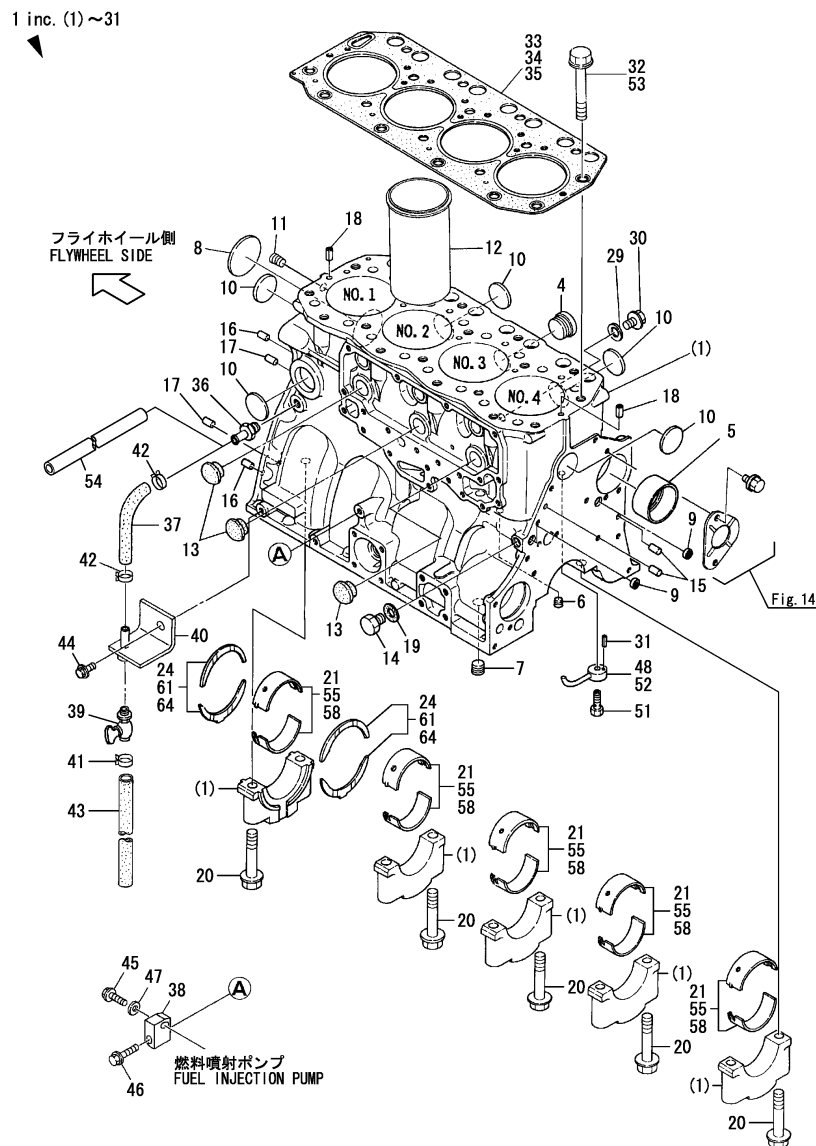
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Fig. No. Fig. Name

- 49. FUEL PIPE(4LHA-HT(Z)E(P))
- 50. FUEL STRAINER(4LHA-ST/DT(Z)E(P))
- 51. FUEL STRAINER(4LHA-HT(Z)E(P))
- 52. OIL/WATER SEPARATER(OPTIONAL)
- 53. ENGINE STOP DEVICE(4LHA-ST/DT(Z)E(P))
- 54. ENGINE STOP DEVICE(4LHA-HT(Z)E(P))
- 55. POWER STEERING PUMP
- 56. POWER STEERING COOLER & TANK
- 57. ATF PIPE
- 58. CLUTCH & DRIVE ATTACHMENT
- 59. STARTING MOTOR
- 60. GENERATOR(12V-60A,HITACHI)(UP TO EZZZZZ 2012.6)
- 74. (60A)GENERATOR COMPONENT PARTS(12V-60A,HITACHI)(UP TO 2012.6)
- 61. GENERATOR(12V-80A,HITACHI,OPTIONAL)(UP TO 2012.6)
- 75. (61A)GENERATOR(12V-80A,BOSCH)(FROM 2012.7)
- 62. WIRE HARNESS & SENSOR
- 63. SENSOR MOUNT
- 64. HEATER PLUG(OPTIONAL)
- 65. INSTRUMENT PANEL(B-TYPE,OPTIONAL)
- 66. INSTRUMENT PANEL(C-TYPE,OPTIONAL)
- 67. INSTRUMENT PANEL(D-TYPE)(OPTIONAL)
- 68. TOOL
- 69. GASKET SET(OPTIONAL)
- 70. REMOTE LUB.OIL STRAINER(OPTIONAL)
- 71. KIT,FIREPROOF FUEL STRAINER(4LHA-HT(Z)E(P))

Fig. No. Fig. Name

- 72. SOLAS SENSOR(OPTIONAL)
- 76. PTO FLANGE
- 77. CLUTCH

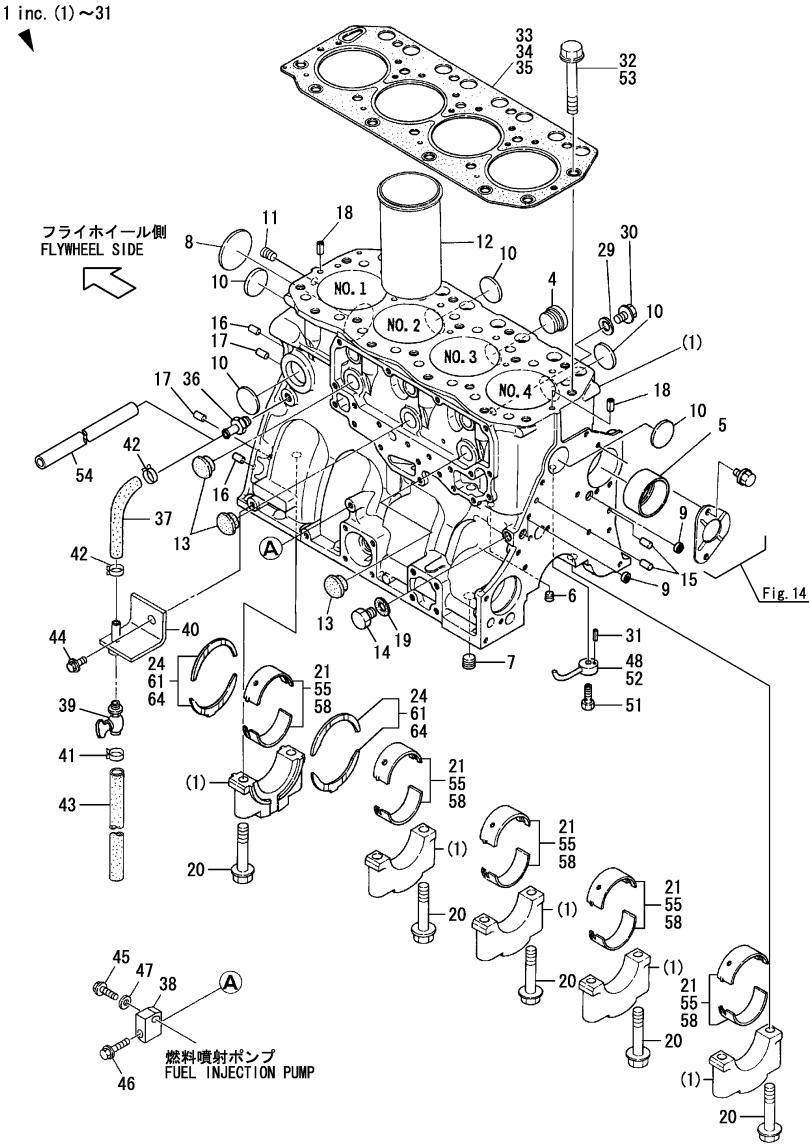


(1) For adjustment.
(2) 4LHA-STE/DTE(Z)E(P)
(3) 4LHA-HTE(Z)E(P)

							(A)=4LHA-STE(P) (B)=4LHA-STZE(P) (C)=4LHA-DTE(P)	(D)=4LHA-DTZE(P) (E)=4LHA-HTE(P) (F)=4LHA-HTZE(P)				
No.	Lev.	Parts No.	Description	Q'ty						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	719171-01560	BLOCK ASSY, CYLINDER	1	1	1	1	1	1			
4	3	171051-01921	PLUG, NPTF1	1	1	1	1	1	1			
5	3	119000-02410	BUSH, CAMSHAFT	1	1	1	1	1	1			
6	3	23871-010000	PLUG, R01	1	1							
6-1	3	23876-010000	PLUG, R01	1	1	1	1	1	1	1	N	
		(A=E50582)	(B=EA0421)									
6-2	3	124060-01050	PLUG, PT1/8	1	1	1	1	1	1	1	N	
		(A=EXXXXXX)	(B=EXXXXXX)	(C=EXXXXXX)	(D=EXXXXXX)	(E=EXXXXXX)		(F=EXXXXXX)				
7	3	23871-030000	PLUG, R03	1	1							
7-1	3	23876-030000	PLUG, R03	1	1	1	1	1	1	1	N	
		(A=E50582)	(B=EA0421)									
8	3	27231-600000	PLUG, 60	1	1	1	1	1	1	1		
9	3	27241-140000	PLUG, 14	3	3	3	3	3	3	3		
10	3	119593-01870	PLUG	5	5	5	5	5	5	5		
11	3	119000-01880	SCREW	1	1	1	1	1	1	1		
12	2	119171-01101	LINER, CYLINDER	4	4	4	4	4	4	4		
13	2	119000-01840	PLUG, RUBBER	3	3	3	3	3	3	3		
14	2	135602-34390	RETAINER	1	1	1	1	1	1	1		
15	2	129100-01580	PIN, M8X16	2	2	2	2	2	2	2		
16	2	129100-01580	PIN, M8X16	2	2	2	2	2	2	2		
17	2	129100-01580	PIN, M8X16	2	2	2	2	2	2	2		
18	2	22351-080016	PIN, SPRING 8.0X16	2	2	2	2	2	2	2		
19	2	23414-140000	GASKET, 14X1.0	1	1	1	1	1	1	1		
20	2	19000-02020	BOLT, METAL CAP	10	10	10	10	10	10	10		
21	2	719000-02800	BEARING, MAIN	5	5	5	5	5	5	5		
24	2	119000-02930	BEARING, THRUST	2	2	2	2	2	2	2		
29	2	23414-100000	GASKET, 10X1.0	1	1	1	1	1	1	1		
30	2	135400-01790	PLUG	1	1	1	1	1	1	1		
31	2	22351-040008	PIN, SPRING 4.0X 8	4	4	4	4				2	
31A	2	22351-030010	PIN, SPRING 3.0X10						4	4	3	
32	1	119174-01200	BOLT, HEAD	18	18	18	18					
33	1	119174-01340	GASKET, HEAD T=1.3	1	1	1	1	1	1	1		
34	1	119174-01330	GASKET, HEAD T=1.2	1	1	1	1	1	1	1	1	
35	1	119174-01350	GASKET, HEAD T=1.4	1	1	1	1	1	1	1	1	
36	1	121550-49111	JOINT, PT1/4	1	1	1	1	1	1	1		
37	1	119173-49160	PIPE, WATER	1	1	1	1					
38	1	119181-01990	RETAINER, PUMP	1	1	1	1					
39	1	128695-44090	COCK	1	1							
39-1	1	129670-49290	COCK ASSY, R1/8	1	1	1	1				N	
		(A=E50717)	(B=EA0491)									
40	1	119173-49170	BRACKET	1	1	1	1					
41	1	124460-77680	RETAINER	1	1	1	1					
42	1	23000-016000	CLAMP, 16	2	2	2	2					
42-1	1	119172-48130	CLIP, HOSE 13	2	2	2	2				R	
		(A=EXXXXXX)	(B=EXXXXXX)	(C=EXXXXXX)	(D=EXXXXXX)							
43	1	23061-070300	PIPE, 7X 300	1	1	1	1					
44	1	26106-080122	BOLT, M8X 12 PLATED	1	1	1	1					
45	1	26106-080352	BOLT, M8X 35 PLATED	1	1	1	1					
46	1	26106-080402	BOLT, M8X 40 PLATED	1	1	1	1					
47	1	106100-55800	WASHER	1	1	1	1					
48	1	119174-39560	NOZZLE ASSY, COOLING	4	4	4	4					

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
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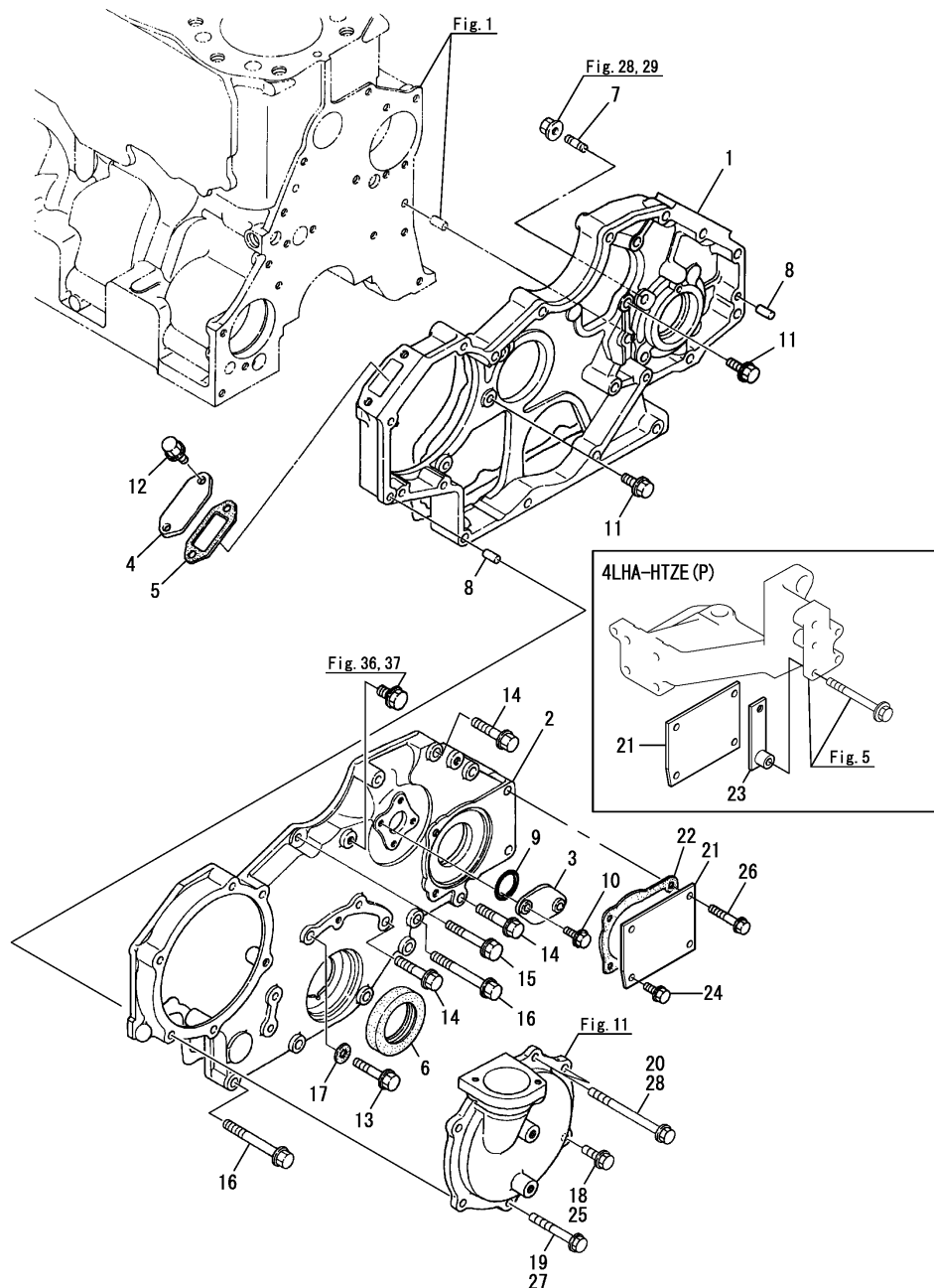
Fig.1. CYLINDER BLOCK



(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

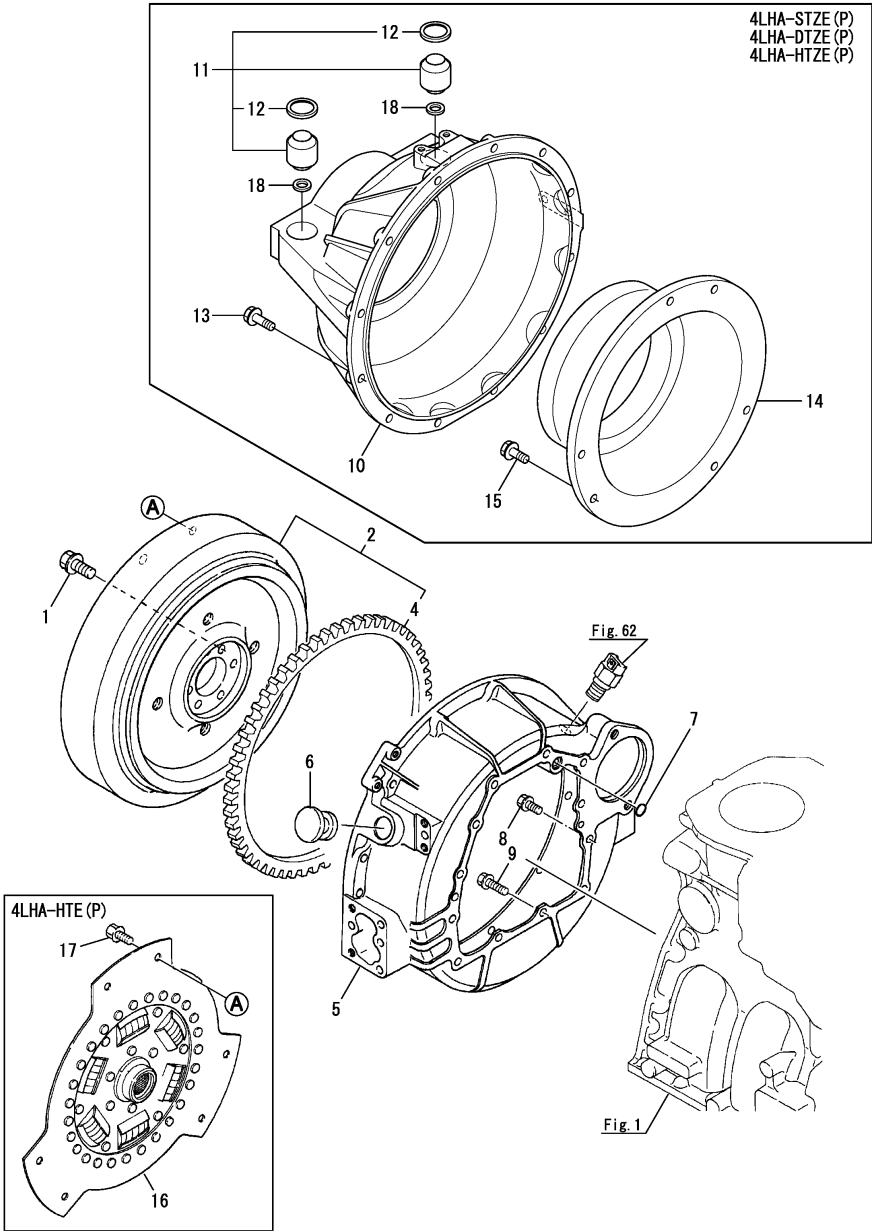
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
51	1	23857-030000	BOLT, JOINT 3	4	4	4	4	4	4		
52	1	119187-39650	NOZZLE, COOLING					4	4		
53	1	119000-01200	BOLT, HEAD					18	18		
54	1	119171-49160	PIPE, WATER					1	1		
55	1	719000-02870	BEARING, 0.25 US					5	5		
58	1	119172-02210	METAL, MAIN 0.50 US					5	5		
61	1	719000-02940	BEARING, THRUST 0.25					2	2		
64	1	119172-02310	BEARING, THRUST 0.50					2	2		

Remarks
(1)For adjustment.
(2)4LHA-STE/DTE(Z)E(P)
(3)4LHA-HTE(Z)E(P)



				(A)=4LHA-STE(P) (B)=4LHA-STZE(P) (C)=4LHA-DTE(P)	(D)=4LHA-DTZE(P) (E)=4LHA-HTE(P) (F)=4LHA-HTZE(P)						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119000-01500	CASE, GEAR	1	1	1	1	1	1		
2	1	119000-01520	COVER, GEAR CASE	1	1	1	1	1	1		
3	1	121023-01550	COVER	1	1	1	1	1	1		
3-1	1	121023-01551	COVER	1	1	1	1	1	1	1	R
	(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)	(E=EXXXXX)	(F=EXXXXX)					
4	1	119000-01740	COVER	1	1	1	1	1	1	1	
5	1	119000-01771	GASKET	1	1	1	1	1	1	1	
6	1	121850-01800	SEAL, OIL	1	1	1	1	1	1	1	
7	1	121850-01920	STUD, 2D8X22	2	2	2	2	2	2	2	
8	1	129100-01580	PIN, M8X16	2	2	2	2	2	2	2	
9	1	24341-000240	O-RING, 1AS24.0	1	1	1	1	1	1	1	
10	1	26106-060182	BOLT, M6X 18 PLATED	2	2	2	2	2	2	2	
11	1	26106-080202	BOLT, M8X 20 PLATED	5	5	5	5	5	5	5	
12	1	26106-080202	BOLT, M8X 20 PLATED	2	2	2	2	2	2	2	
13	1	26106-080402	BOLT, M8X 40 PLATED	1	1	1	1	1	1	1	
14	1	26106-080452	BOLT, M8X 45 PLATED	5	5	5	5	5	5	5	
15	1	26106-080552	BOLT, M8X 55 PLATED	1	1	1	1	1	1	1	
16	1	26106-080752	BOLT, M8X 75 PLATED	4	4	4	4	4	4	4	
17	1	22190-080003	WASHER, SEAL 8	1	1	1	1				
18	1	26106-080352	BOLT, M8X 35 PLATED	1	1	1	1				
19	1	26106-080652	BOLT, M8X 65 PLATED	3	3	3	3				
20	1	26106-081052	BOLT, M8X105 PLATED	2	2	2	2				
21	1	124610-01851	COVER					1		1	
22	1	124610-01862	GASKET					1		1	
23	1	119172-26800	SPACER							1	
24	1	26106-080202	BOLT, M8X 20 PLATED					2		2	
25	1	26106-080252	BOLT, M8X 25 PLATED					1		1	
26	1	26106-080502	BOLT, M8X 50 PLATED					2			
27	1	26106-080552	BOLT, M8X 55 PLATED					3		3	
28	1	26106-080952	BOLT, M8X 95 PLATED					2		2	
28-1	1	26106-081052	BOLT, M8X105 PLATED					2		2	N
				(E=EXXXXX)			(F=EXXXXX)				

Fig.3. FLYWHEEL HOUSING



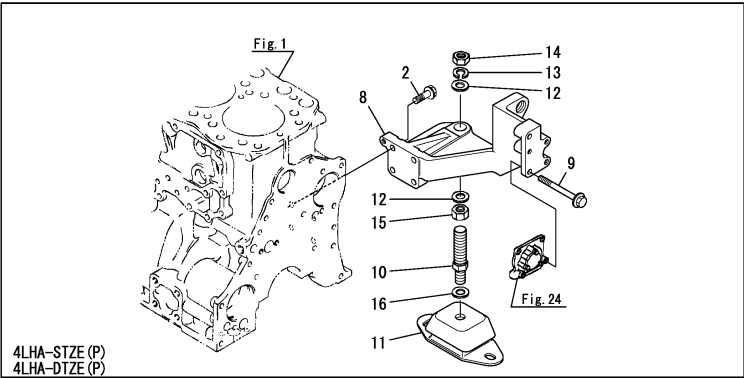
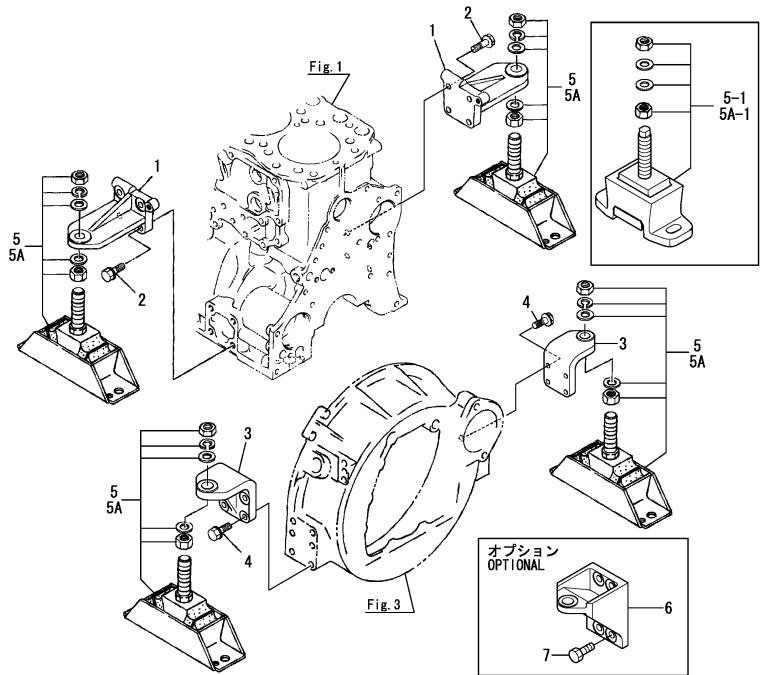
(A)=4LHA-STZE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121850-21130	BOLT, FLYWHEEL	6	6	6	6	6	6		
2	1	119171-21590	FLYWHEEL ASSY	1	1						
2-1	1	119171-21591	FLYWHEEL ASSY	1	1	1	1	1	1	R	
(A=E50919) (B=EA5721)											
4	2	124550-21600	GEAR, RING	1	1	1	1	1	1		
5	1	119171-01600	HOUSING, FLYWHEEL	1	1						
5-1	1	119175-01500	HOUSING, FLYWHEEL	1	1	1	1	1	1	N	
(A=E51115) (B=EA0634)											
5-2	1	119175-01501	HOUSING, FLYWHEEL	1	1	1	1	1	1	S	1
(A=*2008.05) (B=*2008.05) (C=*2008.05) (D=*2008.05) (E=*2008.05) (F=*2008.05)											
6	1	119620-01750	CAP	1	1	1	1	1	1		
6-1	1	119575-01750	CAP	1	1	1	1	1	1	R	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX) (E=EXXXXX) (F=EXXXXX)											
7	1	24311-000140	O-RING, 1AP14.0	1	1	1	1	1	1		
7-1	1	24311-000160	O-RING, 1AP16.0	1	1	1	1	1	1	S	1
(A=*2008.05) (B=*2008.05) (C=*2008.05) (D=*2008.05) (E=*2008.05) (F=*2008.05)											
8	1	26106-100252	BOLT, M10X 25 PLATED	8	8	8	8	8	8		
9	1	26106-100302	BOLT, M10X 30 PLATED	4	4	4	4	4	4		
10	1	119175-01650	FLANGE, MOUNTING		1		1		1		
11	1	119778-08200	MOUNT ASSY,RUBBER		1		1		1	W	
(B=EXXXXX) (D=EXXXXX) (F=EXXXXX)											
12	2	119778-08350	SPACER		2		2		2		
13	1	26106-100302	BOLT, M10X 30 PLATED		12		12		12		
14	1	119175-21500	SPACER, FLYWHEEL		1						
14-1	1	119175-21510	SPACER, FLYWHEEL		1		1		1	R	
(B=EA0836)											
15	1	26106-100252	BOLT, M10X 25 PLATED		6		6		6		
16	1	177074-03951	DISK, DAMPER					1			
17	1	26106-100202	BOLT, M10X 20 PLATED					6			
18	1	119779-08350	SPACER		2		2		2	W	
(B=EXXXXX) (D=EXXXXX) (F=EXXXXX)											

Remarks
(1)Interchangeable by simultaneous replacement with Ref.No.5-2,7-1.

Fig.4. MOUNTING FOOT(4LHA-ST/DT(Z)E(P))

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

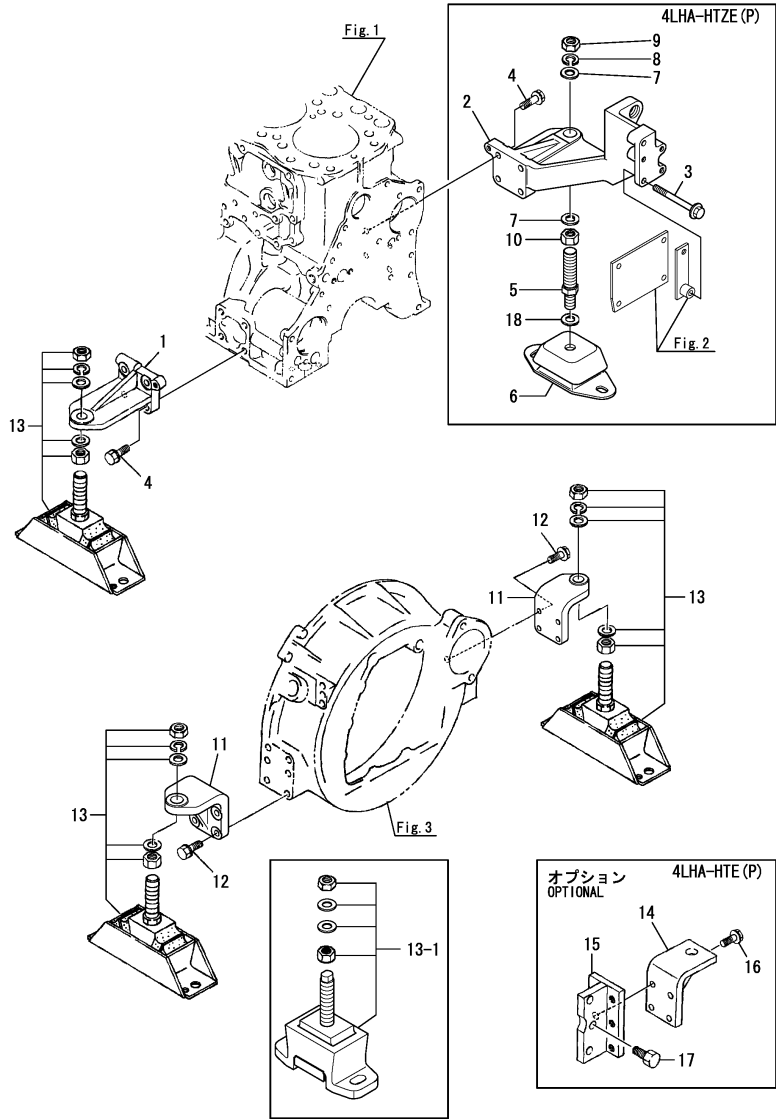


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119173-08100	FOOT, MOUNTING	2	1	2	1				
2	1	26106-100302	BOLT, M10X 30 PLATED	8	8	8	8				
3	1	119175-08120	FOOT, MOUNTING	2	2	2	2				
4	1	26106-100302	BOLT, M10X 30 PLATED	8	8	8	8				
4-1	1	26106-100352	BOLT, M10X 35 PLATED	8	8	8	8				N
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
5	1	119173-08330	ABSORBER	4							
5-1	1	119175-08440	RUBBER ASSY, CUSHION	4							S 1
(A=REF.TO R)											
5A	1	119173-08440	MOUNT, FLEXIBLE 300			4					
5A-1	1	119175-08440	RUBBER ASSY, CUSHION			4					S 1
(C=REF.TO R)											
6	1	119175-08110	FOOT, MOUNTING	2							
6-1	1	119175-08111	FOOT, MOUNTING	2		2					R
(A=E51410)											
7	1	26116-120352	BOLT, M12X 35 PLATED	8		8					
8	1	119175-08160	FOOT, MOUNTING		1		1				
9	1	26106-080802	BOLT, M8X 80 PLATED		2		2				
10	1	119175-08300	BOLT		2						
10-1	1	119175-08301	BOLT		2		2				N
(B=EA0463)											
11	1	119175-08320	RUBBER, CUSHION		2		2				
12	1	22117-200000	WASHER, 20		4		4				
13	1	22217-200000	WASHER, SPRING 20		2		2				
14	1	26736-200002	NUT, M20		2		2				
15	1	26776-200002	NUT, LOCK M20		2		2				
16	1	119175-08330	WASHER		2		2				W

(B=EA0463)

Remarks
(1)Interchangeable by simultaneous replacement with four set.
4LHA-STP=
Produces in YA :for E57110
Produces in TUKAGUCHI :for E0011
4LHA-DTP=
Produces in YA :for EM36126
Produces in TUKAGUCHI :for E0040

Fig.5. MOUNTING FOOT(4LHA-HT(Z)E(P))

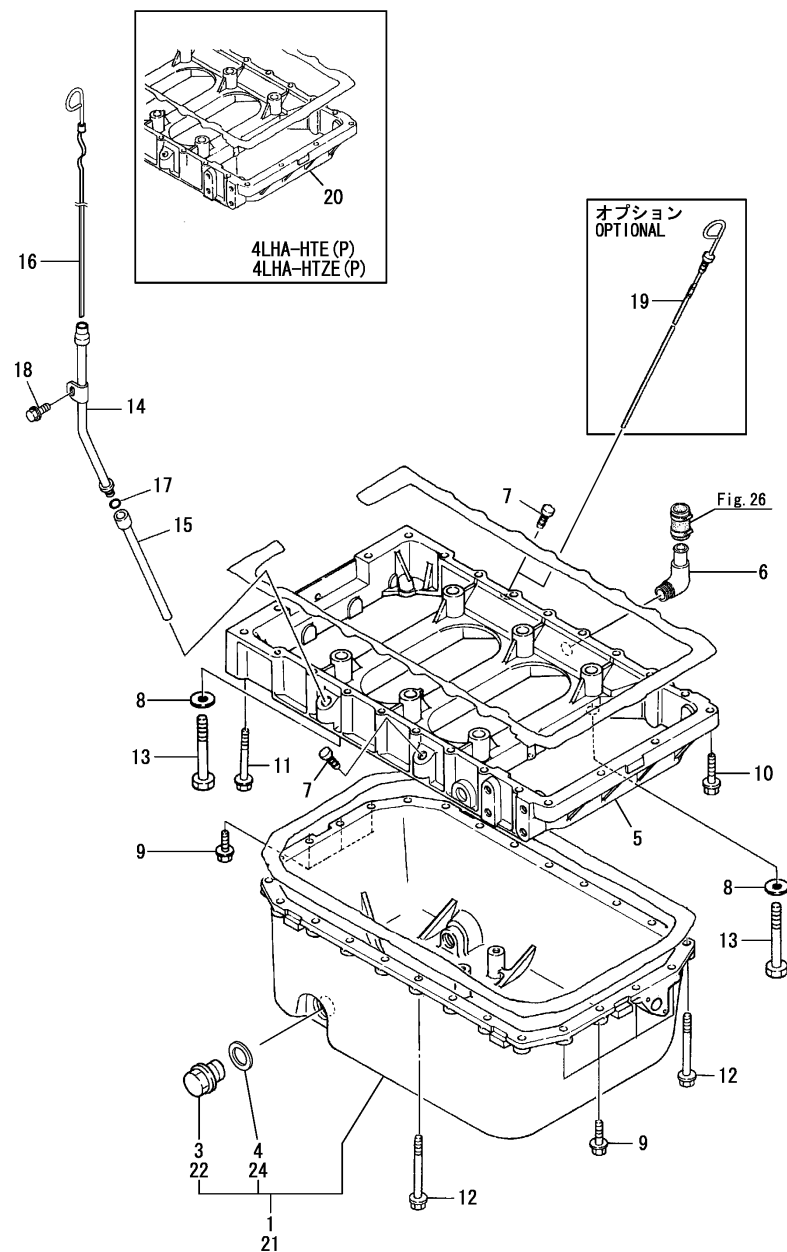


Remarks
(1)Interchangeable by simultaneous replacement with four set.
4LHA-HTP=
Produces in YA :for EM25936
Produces in TUKAGUCHI :for E0047

0CR10-M47803 Fig.5
(A)=4LHA-STE(P) (D)=4LHA-DTZE(P)
(B)=4LHA-STZE(P) (E)=4LHA-HTE(P)
(C)=4LHA-DTE(P) (F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119173-08100	FOOT, MOUNTING					2	1		
2	1	119175-08160	FOOT, MOUNTING						1		
3	1	26106-080802	BOLT, M8X 80 PLATED						2		
4	1	26106-100302	BOLT, M10X 30 PLATED					8	8		
4-1	1	26106-100352	BOLT, M10X 35 PLATED					8	8	N	
				(E=EXXXXX)		(F=EXXXXX)					
5	1	119175-08301	BOLT						2		
6	1	119175-08320	RUBBER, CUSHION						2		
7	1	22117-200000	WASHER, 20						4		
8	1	22217-200000	WASHER, SPRING 20						2		
9	1	26736-200002	NUT, M20						2		
10	1	26776-200002	NUT, LOCK M20						2		
11	1	119175-08120	FOOT, MOUNTING					2	2		
12	1	26106-100302	BOLT, M10X 30 PLATED					8	8		
13	1	119173-08440	MOUNT, FLEXIBLE 300					4			
13-1	1	119175-08440	RUBBER ASSY, CUSHION					4		S	1
				(E=REF.TO R)							
14	1	119171-08111	FOOT, MOUNTING					2			
15	1	119171-08131	BRACKET					2			
16	1	26106-100252	BOLT, M10X 25 PLATED					8			
17	1	26116-120302	BOLT, M12X 30 PLATED					6			
18	1	119175-08330	WASHER						2		

Fig.6. LUB.OIL SUMP



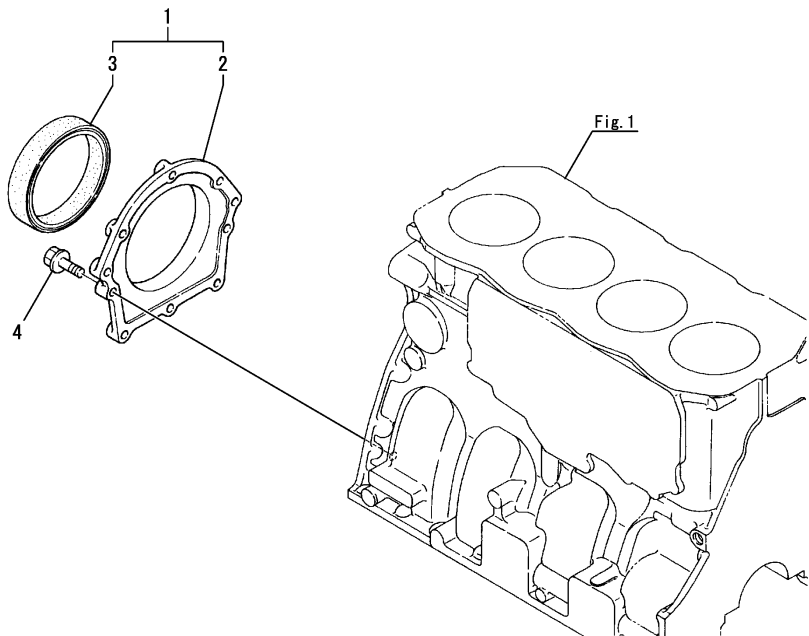
(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719187-01540	SUMP ASSY, OIL	1	1	1	1				
3	2	119640-01640	PLUG, DRAIN M22	1	1	1	1				
4	2	22190-220002	WASHER, SEAL 22	1	1	1	1				
5	1	119184-01730	SPACER, OIL SUMP	1	1	1	1				
6	1	124070-13300	ELBOW, PT3/8	1	1	1	1	1	1		
7	1	124976-34850	CAP	2	2	2	2	2	2	2	
8	1	22117-120000	WASHER, 12	6	6	6	6	6	6	6	
9	1	26106-080252	BOLT, M8X 25 PLATED	8	8	8	8	8	8	8	
10	1	26106-080352	BOLT, M8X 35 PLATED	4	4	4	4	4	4	4	
11	1	26106-080702	BOLT, M8X 70 PLATED	2	2	2	2	2	2	2	
12	1	26106-080802	BOLT, M8X 80 PLATED	18	18	18	18	18	18	18	
13	1	26116-120852	BOLT, M12X 85 PLATED	6	6	6	6	6	6	6	
14	1	119175-34811	GUIDE, DIPSTICK	1	1	1	1	1	1	1	
15	1	119171-34820	GUIDE, DIPSTICK	1	1	1	1	1	1	1	
16	1	119175-34850	DIPSTICK, OIL	1	1						
16-1	1	119175-34851	DIPSTICK, OIL	1	1	1	1	1	1	1	N
	(A=E51645)	(B=EA0836)									
17	1	24341-000100	O-RING, 1AS10.0	1	1	1	1	1	1	1	
18	1	26106-080162	BOLT, M8X 16 PLATED	1	1	1	1	1	1	1	
19	1	119171-34850	DIPSTICK, OIL	1	1	1	1	1	1	1	
20	1	119100-01730	SPACER					1	1	1	
21	1	119100-01770	SUMP ASSY, OIL						1	1	
22	2	119640-01640	PLUG, DRAIN M22						1	1	
24	2	22190-220002	WASHER, SEAL 22						1	1	

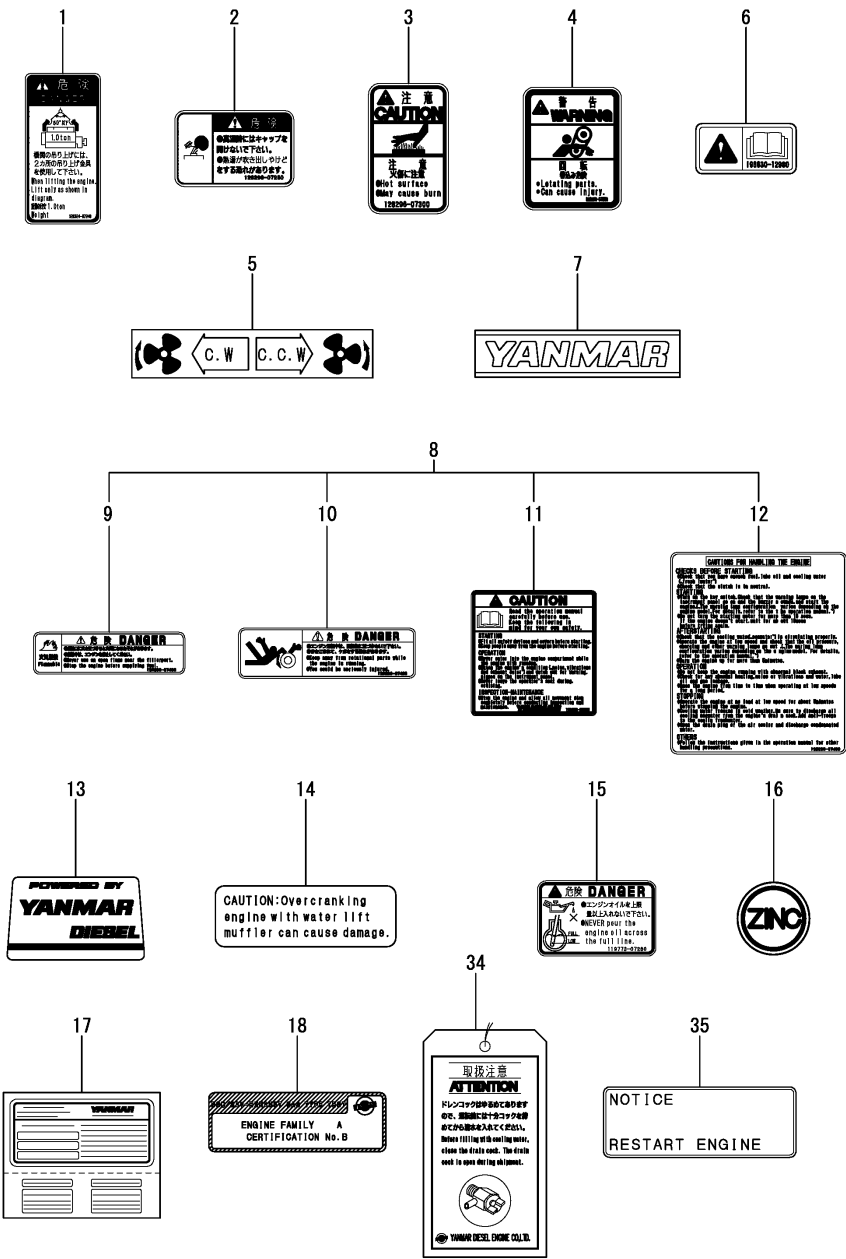
(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119100-01640	CASE ASSY, OIL SEAL	1	1	1	1	1	1		
2	2	119000-01650	CASE, OIL SEAL	1	1	1	1	1	1		
3	2	124411-01780	SEAL, HTC95X115X12	1	1	1	1	1	1		
4	1	26106-080252	BOLT, M8X 25 PLATED	8	8	8	8	8	8		

Fig.8. LABEL

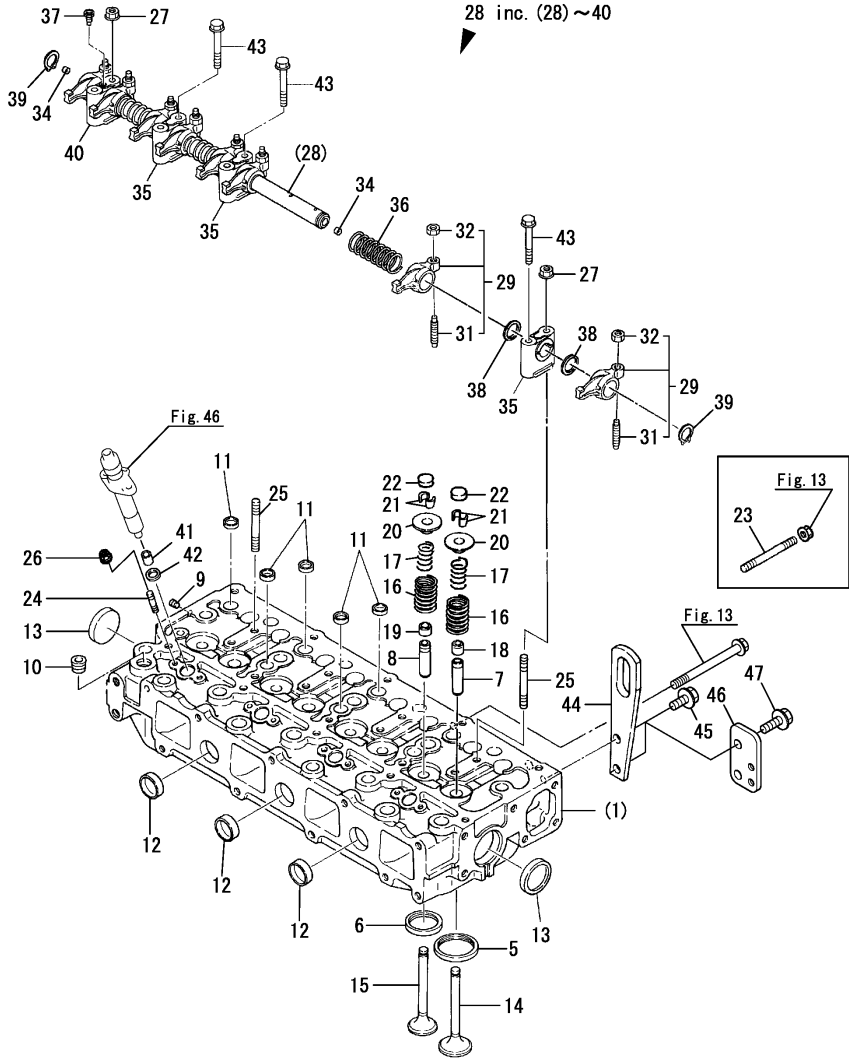


(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120324-07240	LABEL, DANGER	1	1	1	1	1	1		
2	1	128296-07260	LABEL, DANGER	1	1	1	1	1	1		
3	1	128296-07300	LABEL, DANGER	1	1	1	1	1	1		
4	1	128296-07350	LABEL, DANGER	1	1	1	1	1	1		
5	1	177073-02431	LABEL, DIRECTION					1			
6	1	196630-12980	LABEL, CAUTION	1	1	1	1	1	1		
7	1	194170-65891	LABEL, SEAT	1	1	1	1	1	1		
8	1	128296-07190	LABEL, LOOSE PARTS	1	1	1	1	1	1		
9	2	128296-07400	LABEL, DANGER	2	2	2	2	2	2		
10	2	128296-07420	LABEL, DANGER	1	1	1	1	1	1		
11	2	128296-07450	LABEL, DANGER	1	1	1	1	1	1		
12	2	128296-07460	LABEL, DANGER	1	1	1	1	1	1		
13	1	119778-07500	LABEL, YANMAR		1		1		1		
14	1	128171-07150	LABEL	1	1	1	1	1	1		
15	1	119773-07280	LABEL, DANGER	1	1	1	1	1	1		
16	1	119574-07400	LABEL	5	5	5	5	5	5		
17	1	119175-07400	LABEL, REGISTRATION	1							
17-1	1	119175-07450	LABEL, REGISTRATION	1							S
(B=EA0421)											
17A	1	119173-07450	LABEL, REGISTRATION				1				
17B	1	119172-07450	LABEL, REGISTRATION							1	
17C	1	119175-07600	LABEL, REGISTRATION		1						
17D	1	119173-07600	LABEL, REGISTRATION				1				
17E	1	119172-07600	LABEL, REGISTRATION							1	
18	1	119175-07520	LABEL, BSO	1	1						W
(A=E50372) (B=EA0401)											
18A	1	119173-07520	LABEL, BSO			1	1				
18B	1	119172-07520	LABEL, BSO					1	1		
34	1	123682-07852	LABEL, CAUTION	1	1	1	1	1	1	1	W
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX) (E=EXXXXX) (F=EXXXXX)											
35	1	119175-07260	LABEL, CAUTION	1		1		1			W
(A=EXXXXX) (C=EXXXXX) (E=EXXXXX)											

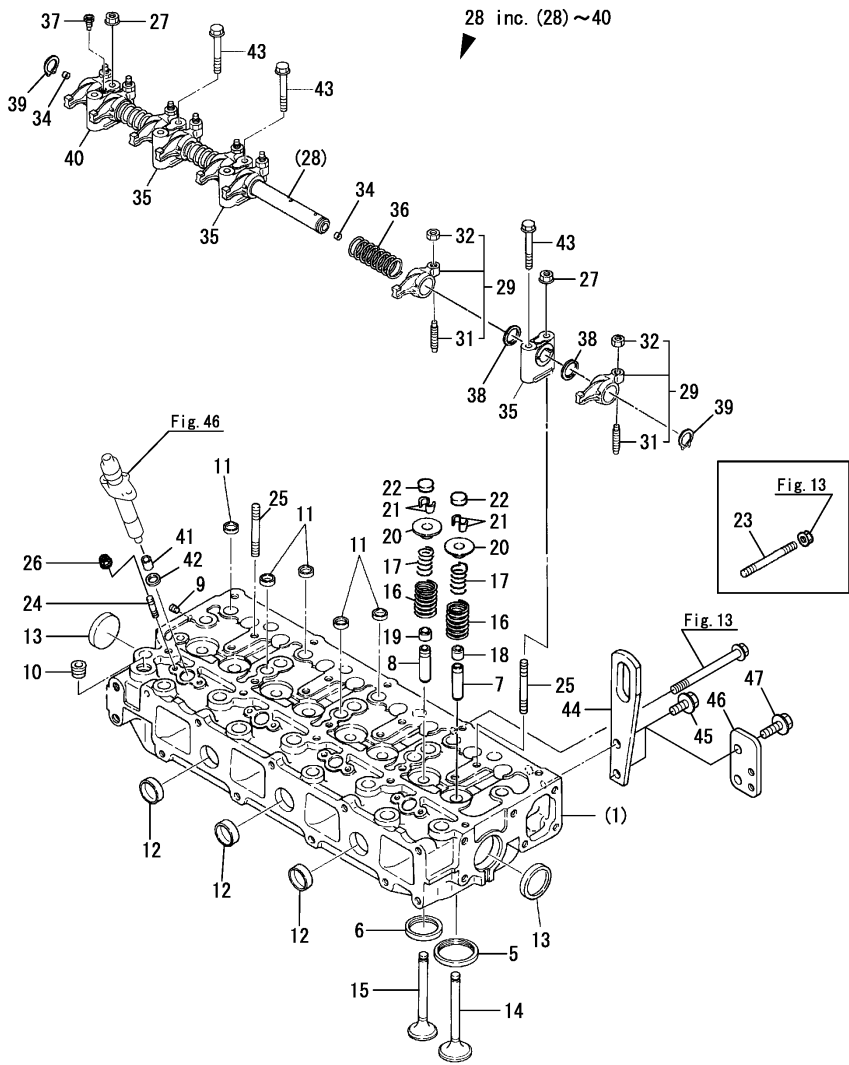
Fig.9. CYLINDER HEAD(4LHA-ST/DT(Z)E(P))

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719175-11700	HEAD ASSY, CYLINDER	1	1						
1A	1	719173-11710	HEAD ASSY, CYLINDER			1	1				
5	3	119173-11080	SEAT, INTAKE VALVE	4	4	4	4				
6	3	119173-11090	SEAT, EXHAUST VALVE	4	4	4	4				
6-1	3	119173-11091	SEAT, VALVE	4	4	4	4			N	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
7	3	121850-11160	GUIDE, VALVE	4	4	4	4				
8	3	119000-11170	GUIDE, VALVE	4	4	4	4				
9	3	23871-005000	PLUG, R005	1	1						
9-1	3	23876-005000	PLUG, R005	1	1	1	1			N	
(A=E50582) (B=EA0421)											
10	3	23871-030000	PLUG, R03	1	1						
10-1	3	23876-030000	PLUG, R03	1	1	1	1			N	
(A=E50582) (B=EA0421)											
11	3	27241-160000	PLUG, 16	4	4	4	4				
11-1	3	119000-11990	PLUG, 16	4	4	4	4			N	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
12	3	27241-280000	PLUG, 28	3	3	3	3				
12-1	3	119100-11990	PLUG, 28	3	3	3	3			N	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
13	3	27241-400000	PLUG, 40	2	2	2	2				
13-1	3	119885-01990	PLUG, 40	2	2	2	2			N	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
14	2	119173-11101	VALVE, INTAKE	4	4	4	4				
15	2	119593-11110	VALVE, EXHAUST	4	4						
15A	2	119173-11110	VALVE, EXHAUST			4	4				
16	2	124617-11120	SPRING, VALVE OUTER	8	8	8	8				
17	2	124617-11130	SPRING, VALVE INNER	8	8	8	8				
18	2	121850-11150	SEAL, VALVE STEM	4	4	4	4				
19	2	119171-11150	SEAL, VALVE STEM	4	4	4	4				
20	2	124411-11180	RETAINER, SPRING	8	8	8	8				
21	2	27310-090001	COTTER, 9	8	8	8	8				
22	2	119171-11370	CAP, VALVE	8	8	8	8				
23	2	119175-13150	STUD	2	2	2	2			Z	
(A=*2003.09) (B=*2003.09) (C=*2003.09) (D=*2003.09)											
24	2	119593-11911	BOLT	8	8						
24-1	2	119175-11910	BOLT	8	8	8	8			N	
(A=E50155) (B=E50182)											
25	2	26216-080652	STUD, M8X 65	2	2	2	2				
26	2	26366-060002	NUT, M6	8	8	8	8				
27	2	26306-080002	NUT, M8	2	2	2	2				
28	1	119173-11240	SHAFT ASSY, ROCKER	1	1	1	1				
29	2	719000-11651	ARM ASSY, ROCKER	8	8	8	8				
31	3	119000-11230	SCREW, VALVE ADJUST	8	8	8	8				
32	3	129150-11750	NUT, M8	8	8	8	8				
34	3	27241-100000	PLUG, 10	2	2	2	2				
35	2	119000-11270	SUPPORT, ROCKER ARM	3	3	3	3				
36	2	119000-11280	SPRING	3	3	3	3				
37	2	119000-11290	BOLT	1	1	1	1				
38	2	119173-11350	SPACER	8	8	8	8				
39	2	22242-000180	RING, 18	2	2	2	2				

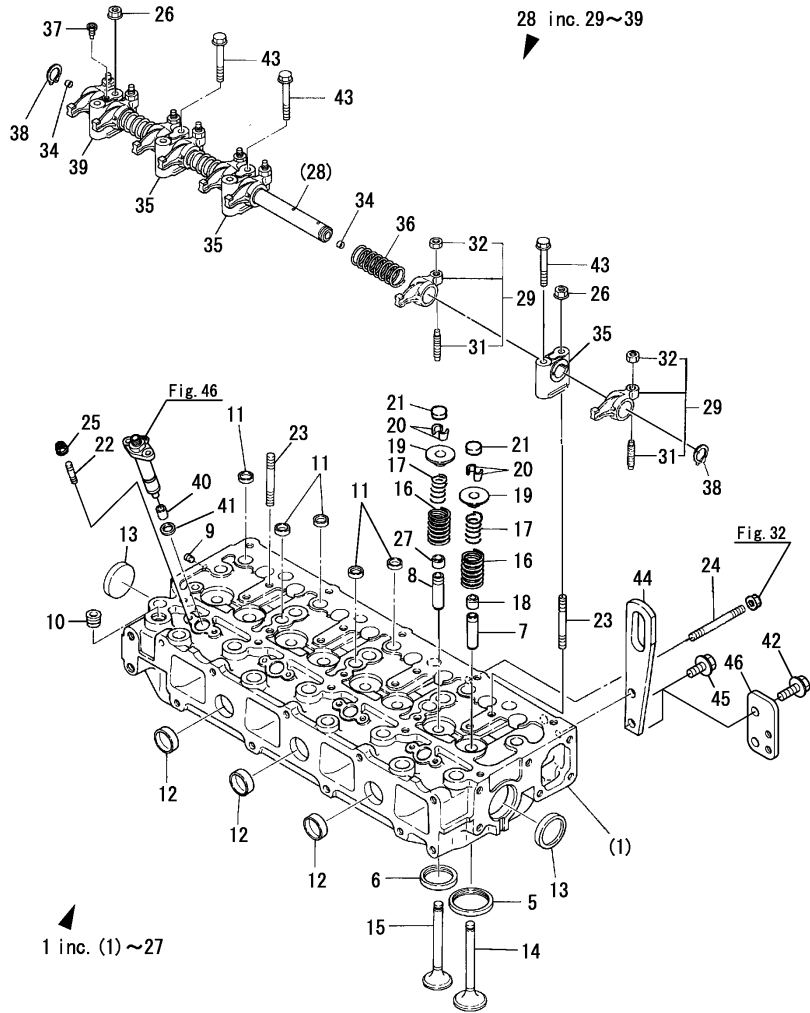
Fig.9. CYLINDER HEAD(4LHA-ST/DT(Z)E(P))



(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
40	2	119000-11260	SUPPORT, ROCKER ARM	1	1	1	1				
41	1	119625-11870	PROTECTOR, NOZZLE	4	4	4	4				
42	1	119625-11880	SEAT, NOZZLE	4	4	4	4				
43	1	26106-080652	BOLT, M8X 65 PLATED	6	6	6	6				
44	1	119000-07200	LIFTER	2	2	2	2				
45	1	26106-100202	BOLT, M10X 20 PLATED	4	4	4	4				
45-1	1	26106-100252	BOLT, M10X 25 PLATED	4	4	4	4				N
		(A=E51115) (B=E51115) (C=E51115) (D=E51115)									
46	1	119172-77160	SUPPORT	1	1	1	1				W
		(A=E51115) (B=EA0624)									
47	1	26106-100252	BOLT, M10X 25 PLATED	2	2	2	2				W
		(A=E51115) (B=EA0624)									

Fig.10. CYLINDER HEAD(4LHA-HT(Z)E(P))



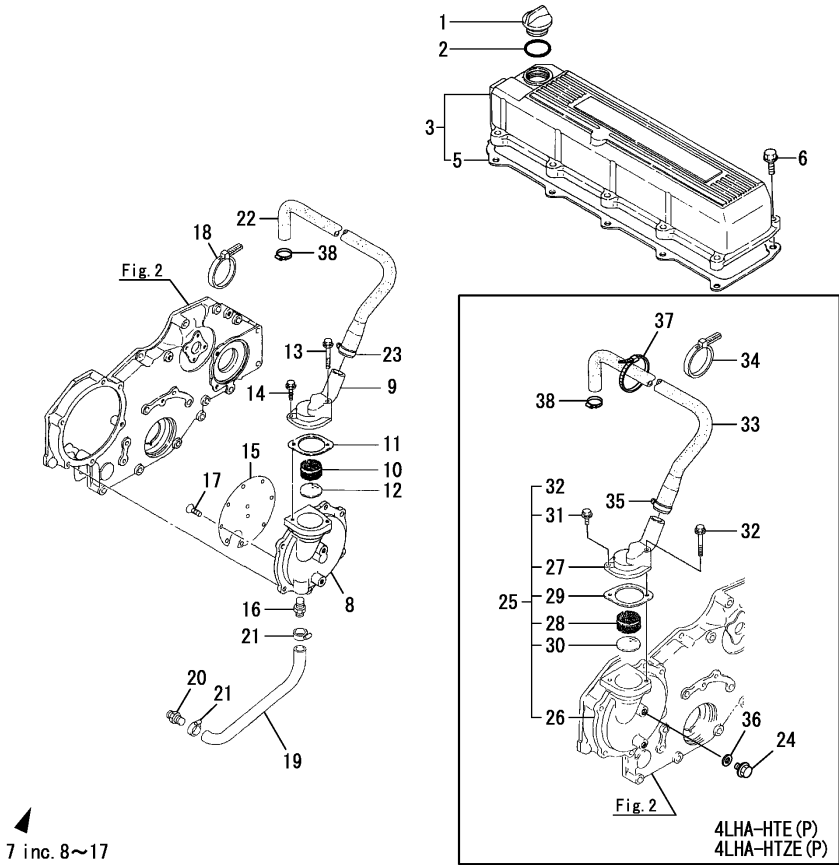
(A)=4LHA-STE(P) (D)=4LHA-DTZE(P)
(B)=4LHA-STZE(P) (E)=4LHA-HTE(P)
(C)=4LHA-DTE(P) (F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719172-11700	HEAD ASSY, CYLINDER					1	1		
5	3	119100-11080	SEAT, INTAKE VALVE					4	4		
6	3	119100-11090	SEAT, EXHAUST VALVE					4	4		
7	3	121850-11160	GUIDE, VALVE					4	4		
8	3	119000-11170	GUIDE, VALVE					4	4		
9	3	23876-005000	PLUG, R005					1	1		
10	3	23876-030000	PLUG, R03					1	1		
11	3	27241-160000	PLUG, 16					7	7		
11-1	3	119000-11990	PLUG, 16					7	7	N	
12	3	27241-280000	PLUG, 28			(E=EXXXXX)		(F=EXXXXX)	3	3	
12-1	3	119100-11990	PLUG, 28					3	3	N	
13	3	27241-400000	PLUG, 40			(E=EXXXXX)		(F=EXXXXX)	2	2	
13-1	3	119885-01990	PLUG, 40					2	2	N	
14	2	121850-11100	VALVE, INTAKE			(E=EXXXXX)		(F=EXXXXX)	4	4	
15	2	119171-11110	VALVE, EXHAUST					4	4		
16	2	124617-11120	SPRING, VALVE OUTER					8	8		
17	2	124617-11130	SPRING, VALVE INNER					8	8		
18	2	121850-11150	SEAL, VALVE STEM					4	4		
19	2	124411-11180	RETAINER, SPRING					8	8		
20	2	27310-090001	COTTER, 9					8	8		
21	2	119171-11370	CAP, VALVE					8	8		
22	2	119175-11910	BOLT					8	8		
23	2	26216-080652	STUD, M8X 65					2	2		
24	2	119172-44300	STUD					2	2		
25	2	26366-060002	NUT, M6					8	8		
26	2	26306-080002	NUT, M8					2	2		
27	2	119171-11150	SEAL, VALVE STEM					4	4		
28	1	119100-11230	SHAFT ASSY, ROCKER					1	1		
29	2	719129-11660	ARM ASSY, ROCKER					8	8		
31	3	119000-11230	SCREW, VALVE ADJUST					8	8		
32	3	129150-11750	NUT, M8					8	8		
34	3	27241-100000	PLUG, 10					2	2		
35	2	119000-11270	SUPPORT, ROCKER ARM					3	3		
36	2	119000-11280	SPRING					3	3		
37	2	119000-11290	BOLT					1	1		
38	2	22242-000180	RING, 18					2	2		
39	2	119000-11260	SUPPORT, ROCKER ARM					1	1		
40	1	119625-11870	PROTECTOR, NOZZLE					4	4		
41	1	119625-11880	SEAT, NOZZLE					4	4		
42	1	26106-100252	BOLT, M10X 25 PLATED					2	2		
43	1	26106-080652	BOLT, M8X 65 PLATED					6	6		
44	1	119000-07200	LIFTER					2	2		
45	1	26106-100202	BOLT, M10X 20 PLATED					4	4		
45-1	1	26106-100252	BOLT, M10X 25 PLATED					4	4	N	
46	1	119172-77160	SUPPORT			(E=EXXXXX)		(F=EXXXXX)	1	1	

Fig.11. BONNET & BREATHER

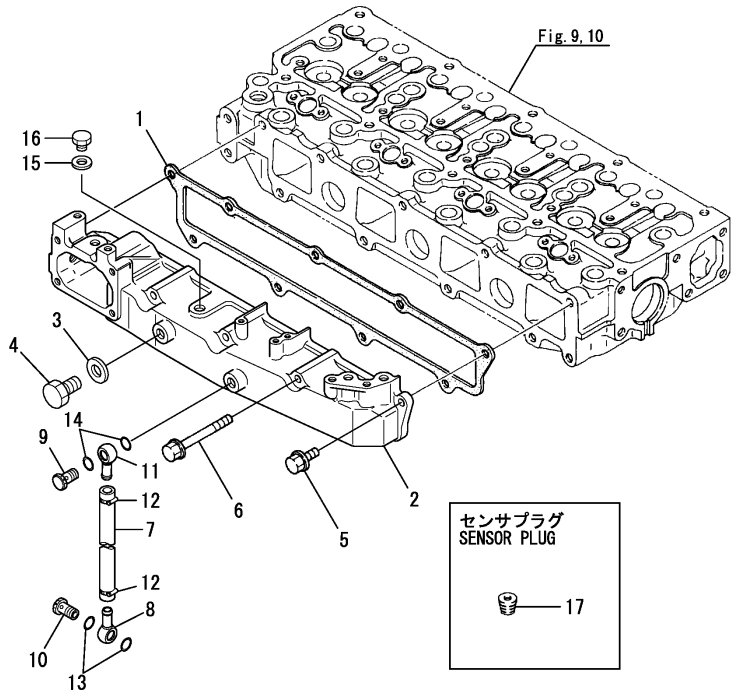
(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124160-01751	COVER, FILLER	1	1	1	1	1	1		
2	1	24311-000320	O-RING, 1AP32.0	1	1	1	1	1	1		
3	1	119173-11300	BONNET ASSY, HEAD	1	1	1	1	1	1		
5	2	119100-11320	GASKET, BONNET	1	1	1	1	1	1		
6	1	26106-080252	BOLT, M8X 25 PLATED	10	10	10	10	10	10		
7	1	119175-03021	COVER ASSY	1	1		1				
8	2	119174-01932	COVER	1	1		1				
9	2	119173-03030	COVER, BREATHER	1	1		1				
10	2	121850-03050	FILTER, BREATHER	1	1		1				
11	2	124411-03051	GASKET	1	1		1				
12	2	121750-03080	PLATE, BAFFLE	1	1		1				
13	2	26106-060452	BOLT, M6X 45 PLATED	1	1		1				
14	2	26106-060182	BOLT, M6X 18 PLATED	1	1		1				
15	2	119174-03192	PLATE, BAFFLE	1	1		1				
16	2	129122-44480	JOINT	1	1		1				
17	2	26557-040062	SCREW, M4X 6	9	9		9				
18	1	121750-59890	BAND, 140	4	4		4				
19	1	119174-39700	HOSE, RUBBER	1	1		1				
20	1	129122-44480	JOINT	1	1		1				
21	1	23000-022000	CLAMP, 22	2	2		2				
21-1	1	119172-48190	CLIP, HOSE 19	2	2		2				R
(A=EXXXXX) (B=EXXXXX) (D=EXXXXX)											
22	1	119175-03100	HOSE, BREATHER	1	1		1				
23	1	23000-035000	CLAMP, 35	1	1		1				
23-1	1	119172-48350	CLIP, HOSE 35	1	1		1				N
(A=EXXXXX) (B=EXXXXX) (D=EXXXXX)											
24	1	26106-080122	BOLT, M8X 12 PLATED			1		1	1		
25	1	119173-03020	COVER ASSY			1		1	1		
26	2	119187-01930	COVER			1		1	1		
27	2	119173-03030	COVER, BREATHER			1		1	1		
28	2	121850-03050	FILTER, BREATHER			1		1	1		
29	2	124411-03051	GASKET			1		1	1		
30	2	121750-03080	PLATE, BAFFLE			1		1	1		
31	2	26106-060182	BOLT, M6X 18 PLATED			1		1	1		
32	2	26106-060452	BOLT, M6X 45 PLATED			1		1	1		
33	1	119175-03100	HOSE, BREATHER			1		1	1		
34	1	121750-59890	BAND, 140			2		2	2		
35	1	23000-035000	CLAMP, 35			1		1	1		
35-1	1	119172-48350	CLIP, HOSE 35			1		1	1	N	
(C=EXXXXX) (E=EXXXXX) (F=EXXXXX)											
36	1	23414-080000	GASKET, 8X1.0			1		1	1		
37	1	29621-300000	BAND, TR300	1	1	1	1	1	1	W	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX) (E=EXXXXX) (F=EXXXXX)											
38	1	119172-48280	CLIP, HOSE 28	1	1	1	1	1	1		
38-1	1	119172-48250	CLIP, HOSE 25	1	1	1	1	1	1	R	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX) (E=EXXXXX) (F=EXXXXX)											

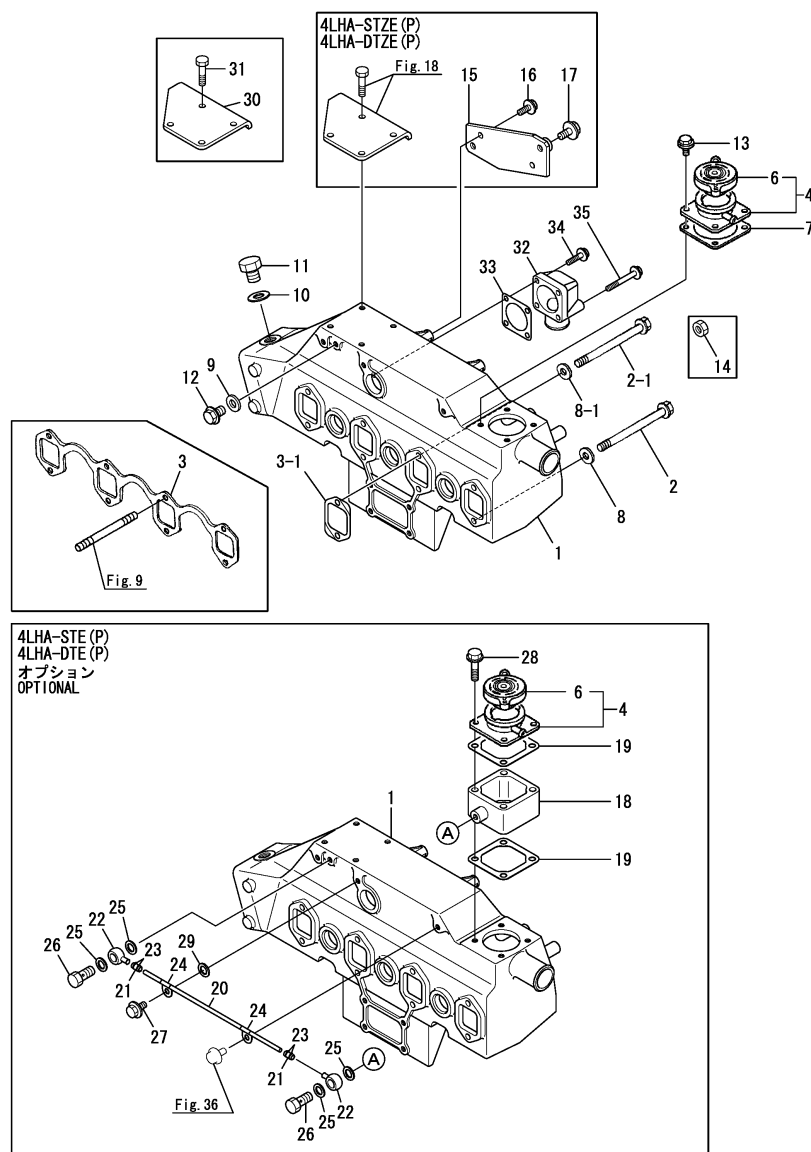
Fig.12. SUCTION MANIFOLD



(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119100-12112	GASKET, MANIFOLD	1	1						
1-1	1	119100-12113	GASKET, MANIFOLD	1	1	1	1	1	1		N
(A=E50448) (B=EA0401)											
2	1	119175-12110	MANIFOLD, INTAKE	1	1	1	1	1	1		
3	1	23414-120000	GASKET, 12X1.0	1	1	1	1	2	2		
4	1	23887-120002	PLUG, 12	1	1	1	1	2	2		
5	1	26106-080202	BOLT, M8X 20 PLATED	6	6	6	6	6	6		
6	1	26106-080702	BOLT, M8X 70 PLATED	3	3	3	3	3	3		
7	1	127695-18490	JOINT, RUBBER L45	1	1						
7-1	1	119593-18480	JOINT, RUBBER	1	1						N
(A=E50372) (B=EA0401)											
7-2	1	127695-18490	JOINT, RUBBER L45	1	1	1	1				N
(A=E51494) (B=EA0830)											
8	1	129590-18520	JOINT	1	1	1	1				
9	1	103854-39140	BOLT, PIPE JOINT	1	1	1	1				
10	1	124160-39140	BOLT, PIPE JOINT M10	1	1	1	1				
11	1	104264-59020	JOINT	1	1	1	1				
12	1	23000-013000	CLAMP, 13	2	2	2	2				
12-1	1	119172-48130	CLIP, HOSE 13	2	2	2	2				R
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
13	1	23414-100000	GASKET, 10X1.0	2	2	2	2				
14	1	23414-120000	GASKET, 12X1.0	2	2	2	2				
15	1	23414-200000	GASKET, 20X1.0	2	2	2	2				W
(A=E50759) (B=EA0515)											
16	1	23887-200002	PLUG, 20	2	2	2	2				W
(A=E50759) (B=EA0515)											
17	1	23876-010000	PLUG, R01	1	1	1	1				W
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											

Fig.13. EXHAUST MANIFOLD



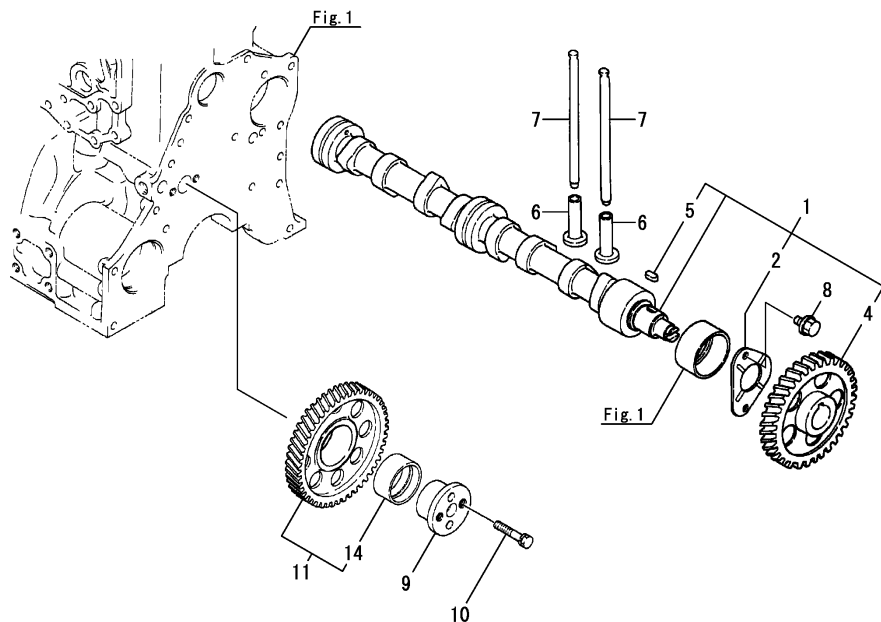
Remarks
(1)Optional.
(2)Interchangeable by simultaneous replacement with No.1-3,32,33,34, 35.

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty					I	R
				(A)	(B)	(C)	(D)	(E)		
1	1	119175-13110	MANIFOLD, EXHAUST	1	1					
1-1	1	119175-13111	MANIFOLD, EXHAUST	1	1					N
		(A=E50582)	(B=EA0421)							
1-2	1	119175-13112	MANIFOLD, EXHAUST	1	1	1	1			N
		(A=E50653)	(B=EA0463)							
1-3	1	119175-13113	MANIFOLD, EXHAUST	1	1	1	1			F 2
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)					
2	1	119175-13140	BOLT	6	6	6	6			
2-1	1	119175-13140	BOLT	8	8	8	8			K
		(A=*2003.09)	(B=*2003.09)	(C=*2003.09)	(D=*2003.09)					
3	1	119174-13201	GASKET, COOLER	1	1	1	1			
3-1	1	119595-13200	GASKET	4	4	4	4			N
		(A=*2003.09)	(B=*2003.09)	(C=*2003.09)	(D=*2003.09)					
4	1	129171-44600	FILLER ASSY	1	1	1	1			
6	2	129107-44590	CAP, RADIATOR	1	1	1	1			
7	1	120445-44640	GASKET	1	1	1	1			
8	1	22137-080000	WASHER, 8	6	6	6	6			
8-1	1	22137-080000	WASHER, 8	8	8	8	8			K
		(A=*2003.09)	(B=*2003.09)	(C=*2003.09)	(D=*2003.09)					
9	1	23414-080012	GASKET, 8X1.0	1	1	1	1			
10	1	23414-170000	GASKET, 17X1.0	1	1	1	1			
11	1	23894-030002	PLUG, G3/8	1	1	1	1			
12	1	26106-080122	BOLT, M8X 12 PLATED	1	1	1	1			
13	1	26106-080142	BOLT, M8X 14 PLATED	4	4	4	4			
14	1	26306-080002	NUT, M8	2	2	2	2			Z
		(A=*2003.09)	(B=*2003.09)	(C=*2003.09)	(D=*2003.09)					
15	1	119175-67250	BRACKET		1		1			
16	1	26106-080182	BOLT, M8X 18 PLATED		4		4			
17	1	26106-100182	BOLT, M10X 18 PLATED		2		2			
18	1	119595-44600	SPACER	1		1				W 1
		(A=E50507)								
19	1	120445-44640	GASKET	2		2				W 1
		(A=E50507)								
20	1	119175-44700	PIPE, WATER	1		1				W 1
		(A=E50507)								
21	1	119175-44800	JOINT	2		2				W 1
		(A=E50507)								
22	1	104264-59030	JOINT, PIPE 8	2		2				W 1
		(A=E50507)								
23	1	23000-013000	CLAMP, 13	4		4				W 1
		(A=E50507)								
23-1	1	119172-48130	CLIP, HOSE 13	4		4				N 1
		(A=EXXXXX)	(C=EXXXXX)							
24	1	23297-080081	CLAMP, A8X 8	2		2				W 1
		(A=E50507)								
25	1	23414-080012	GASKET, 8X1.0	4		4				W 1
		(A=E50507)								
26	1	23857-030000	BOLT, JOINT 3	2		2				W 1
		(A=E50507)								
27	1	26106-080162	BOLT, M8X 16 PLATED	1		1				W 1
		(A=E50507)								

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
 ++ CONTINUE ++
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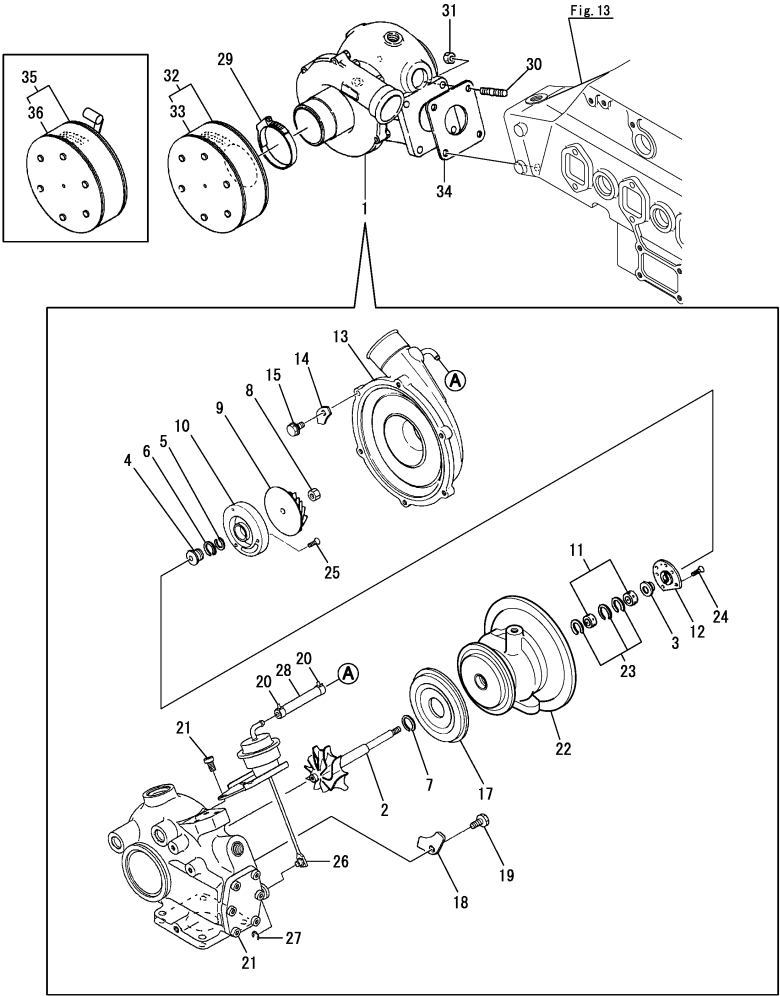
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119195-14000	CAMSHAFT ASSY	1	1						
1A	1	119171-14000	CAMSHAFT ASSY			1	1	1	1		
2	2	119000-02450	BEARING, THRUST	1	1	1	1	1	1		
4	2	119000-14100	GEAR, CAMSHAFT Z=48	1	1	1	1	1	1		
5	2	22512-070140	KEY, 7X 14	1	1	1	1	1	1		
6	1	119000-14200	TAPPET	8	8	8	8	8	8		
7	1	119171-14400	ROD, PUSH L=178	8	8	8	8	8	8		
8	1	26106-080162	BOLT, M8X 16 PLATED	2	2	2	2	2	2		
9	1	119000-25050	SHAFT, IDLE GEAR	1	1	1	1	1	1		
10	1	119174-25060	BOLT, M8X45	2	2	2	2	2	2		
11	1	119000-25100	GEAR ASSY, IDLE Z=51	1	1	1	1	1	1		
14	2	119000-25930	BUSH, IDLE GEAR	1	1	1	1	1	1		

Fig.15. TURBINE(4LHA-ST(Z)E(P))

OCR10-M47803 Fig.15

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

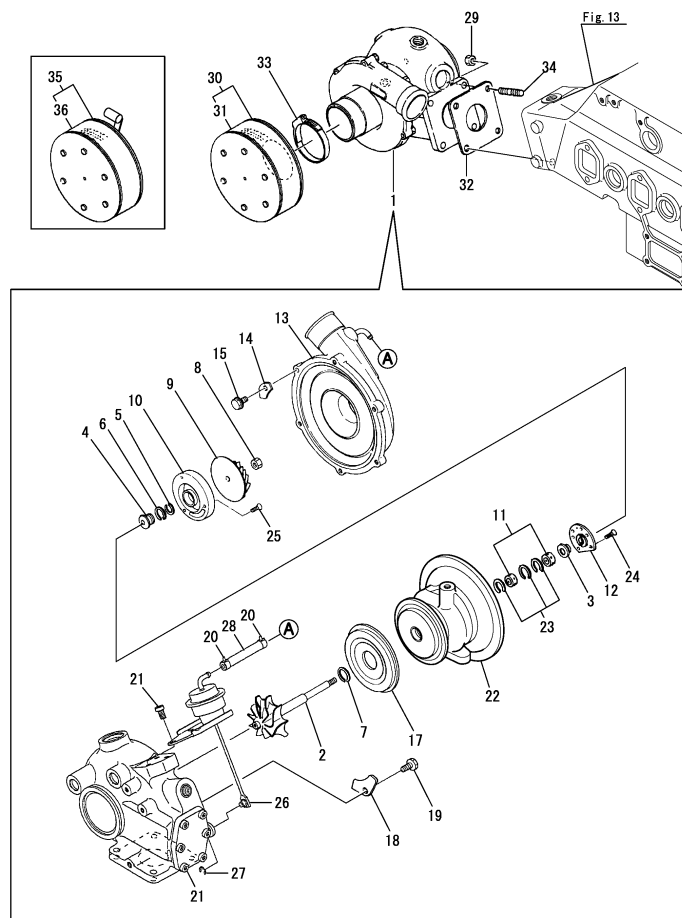


OCR10-M47803 - Fig. 15
タービン(4LHA-ST(Z)E(P))

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119175-18030	TURBINE ASSY	1	1						
1-1	1	119175-18031	TURBOCHARGER ASSY	1	1						N
		(A=E50625) (B=EA0461)									
2	2	XNH261301D	TURBIN SHAFT ASSY	1	1						
3	2	XNH261112	BUSH	1	1						Z
		(A=E50625) (B=EA0461)									
3-1	2	XNH261081	BUSH	1	1						W
		(A=E50625) (B=EA0461)									
4	2	XNH261103	OIL THROWER	1	1						Z
		(A=E50625) (B=EA0461)									
4-1	2	XNH261082	COVER	1	1						W
		(A=E50625) (B=EA0461)									
5	2	XNN131576	RING, SEAL	1	1						
6	2	XNN171006	SEAL RING	1	1						
7	2	XNN971007	SEAL RING	1	1						
8	2	XNH261107	NUT,SHAFT END	1	1						
9	2	XNH265520	IMPELLER,COMPRESSOR	1	1						
10	2	XNN193012	PLATE, SEAL	1	1						
11	2	XNH263501	METAL,FLOATING	2	2						
12	2	XNH263502	BEARING, THRUST	1	1						
13	2	XNH164718	HOUSING(COMPRESSER	1	1						
14	2	XNH164106	BRACKET	6	6						
15	2	XNH164105	BOLT M6	6	6						
17	2	XNH163329	INSULATOR, SILENCER	1	1						
18	2	XNN137423	RETAINER	4	4						
19	2	XNN137007	BOLT, M8	4	4						
20	2	XNN976562	CLAMP	2	2						
21	2	XNH362809	FLAT BOLT	6	6						
22	2	XNH163331	HOUSING, BEARING	1	1						
23	2	XNN977003	RETAINING RING	3	3						
24	2	XNB133206	SCREW	4	4						
25	2	XNH163006	SCREW M4	3	3						
26	2	XNH961640	ACTUATOR	1	1						
27	2	XJD532012	CIRCLIP	1	1						
28	2	XNH978919	BOOST HOSE	1	1						
29	1	127687-18910	CLIP, HOSE	1	1						
29-1	1	119574-18910	CLIP, HOSE	1	1						R
		(A=*2005.03.) (B=*2005.03.)									
30	1	26223-100252	STUD, M10X 25	4	4						
31	1	26703-100002	NUT, M10	4	4						
32	1	119195-18860	SILENCER	1	1						Z 1
		(A=*2002.03.) (B=*2002.03.)									
33	2	119195-18880	FILTER, AIR 58MM	1	1						
34	1	128300-13230	GASKET, SILENCER	1	1						
35	1	119175-18850	SILENCER	1	1						W
		(A=*2002.04.) (B=*2002.04.)									
36	2	119195-18880	FILTER, AIR 58MM	1	1						

Remarks
(1)No longer applicable to 4LHA series (Mar 2002)
The compatible product is 119175-18850, but interchangeability is given when arranged/replaced at the same time as Fig.11 119175-03100.

Fig.16. TURBINE(4LHA-DT(Z)E(P))



OCR10-047803 - Fig. 16
タービン(4)HA-DT(7)F(P))

(1) No longer applicable to 4LHA series (Mar 2002)
The compatible product is 119175-1885,
but interchangeability is given
when arranged/replaced at the
same time as Fig. 11 119175-03100.

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

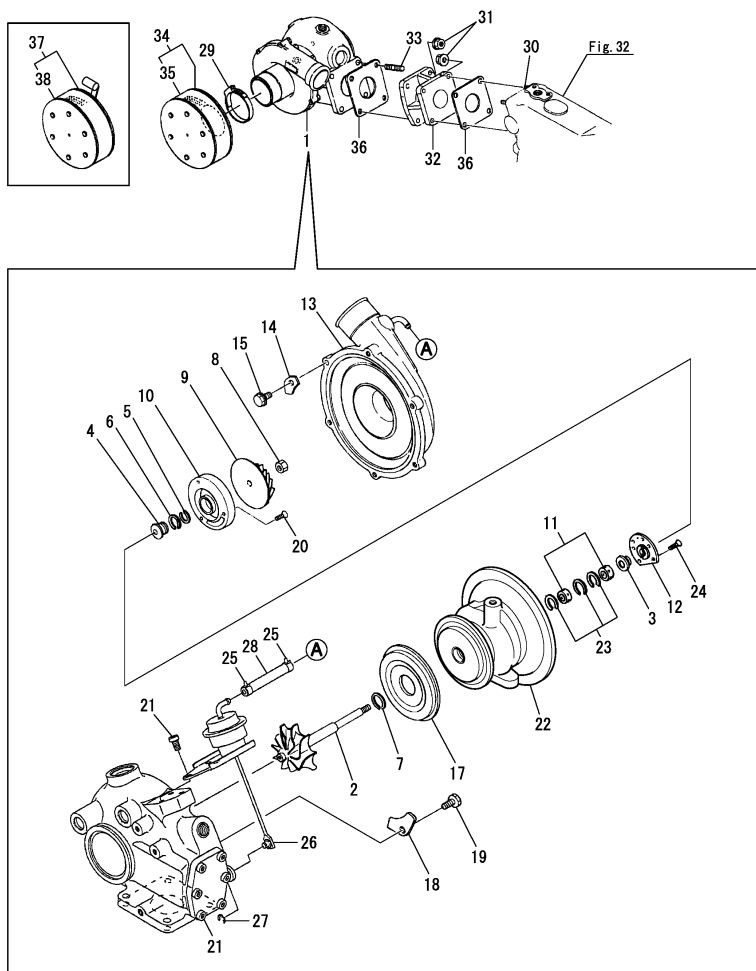
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119173-18041	TURBINE ASSY			1	1				
2	2	XNH261301D	TURBIN SHAFT ASSY			1	1				
3	2	XNH261081	BUSH			1	1				
4	2	XNH261082	COVER			1	1				
5	2	XNN131576	RING, SEAL			1	1				
6	2	XNN171006	SEAL RING			1	1				
7	2	XNN971007	SEAL RING			1	1				
8	2	XNH261107	NUT,SHAFT END			1	1				
9	2	XNH265520	IMPELLER,COMPRESSOR			1	1				
10	2	XNN193012	PLATE, SEAL			1	1				
11	2	XNH263501	METAL,FLOATING			2	2				
12	2	XNH263502	BEARING, THRUST			1	1				
13	2	XNH264962	HOUSING			1	1				
14	2	XNH164106	BRACKET			6	6				
15	2	XNH164105	BOLT M6			6	6				
17	2	XNH163329	INSULATOR, SILENCER			1	1				
18	2	XNH137423	RETAINER			5	5				
19	2	XNN137007	BOLT, M8			5	5				
20	2	XNN976562	CLAMP			2	2				
21	2	XNH362809	FLAT BOLT			6	6				
22	2	XNH163331	HOUSING, BEARING			1	1				
23	2	XNN977003	RETAINING RING			3	3				
24	2	XNB133206	SCREW			4	4				
25	2	XNH163006	SCREW M4			3	3				
26	2	XNH961640	ACTUATOR			1	1				
27	2	XJD532012	CIRCLIP			1	1				
28	2	XNH978919	BOOST HOSE			1	1				
29	1	26703-100002	NUT, M10			4	4				
30	1	119195-18860	SILENCER			1	1			Z	1
			(C=*2002.03)	(D=*2002.03)							
31	2	119195-18880	FILTER, AIR 58MM			1	1				
32	1	128300-13230	GASKET, SILENCER			1	1				
33	1	127687-18910	CLIP, HOSE			1	1				
33-1	1	119574-18910	CLIP, HOSE			1	1				R
			(C=EXXXXX)	(D=EXXXXX)							
34	1	26223-100252	STUD, M10X 25			4	4				
35	1	119175-18850	SILENCER			1	1				W
			(C=*2002.04)	(D=*2002.04)							
36	2	119195-18880	FILTER, AIR 58MM			1	1				

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

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Fig.17. TURBINE(4LHA-HT(Z)E(P))



Remarks
(1)No longer applicable to 4LHA series (Mar 2002)
The compatible product is 119175-1885,
but interchangeability is given
when arranged/replaced at the
same time as Fig. 11 119175-03100.

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

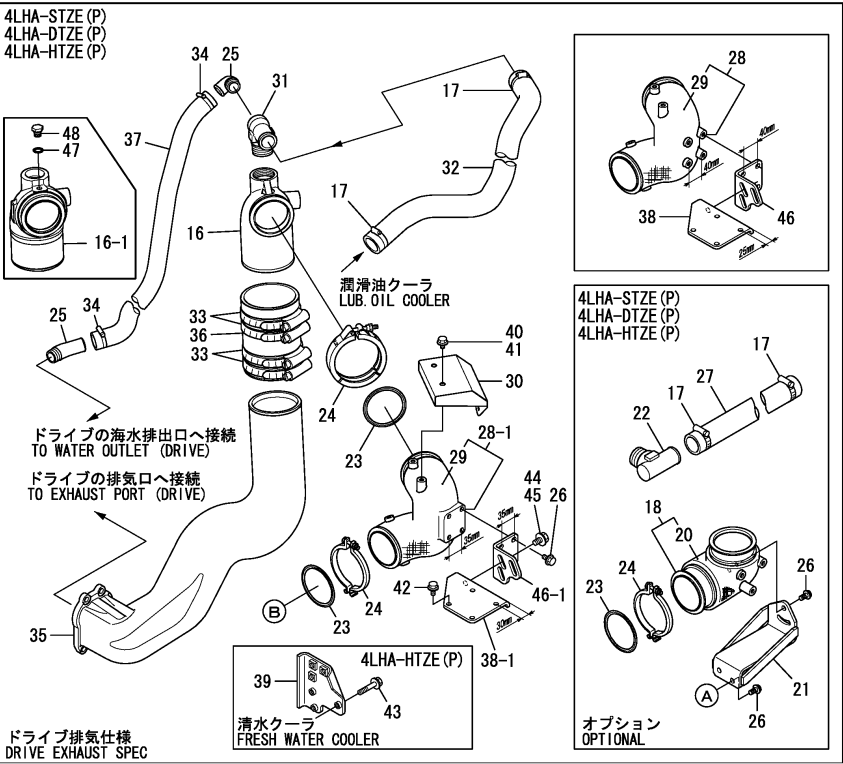
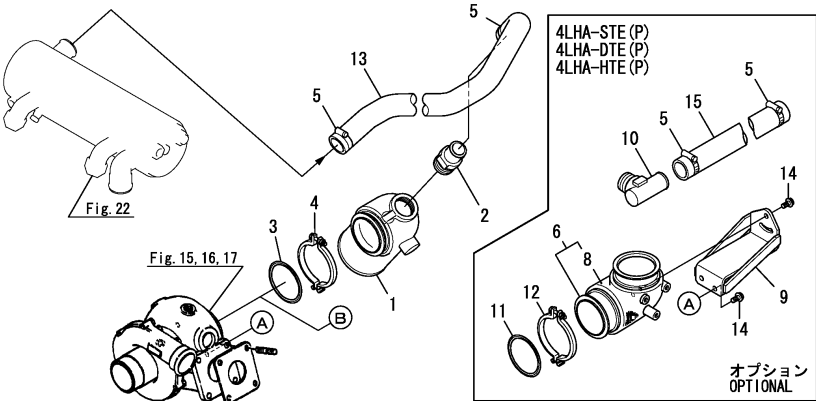
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119172-18030	TURBINE ASSY					1	1		
2	2	XNH261301D	TURBIN SHAFT ASSY					1	1		
3	2	XNH261081	BUSH					1	1		
4	2	XNH261082	COVER					1	1		
5	2	XNN131576	RING, SEAL					1	1		
6	2	XNN171006	SEAL RING					1	1		
7	2	XNN971007	SEAL RING					1	1		
8	2	XNH261107	NUT,SHAFT END					1	1		
9	2	XNH265520	IMPELLER,COMPRESSOR					1	1		
10	2	XNN193012	PLATE, SEAL					1	1		
11	2	XNH263501	METAL,FLOATING					2	2		
12	2	XNH263502	BEARING, THRUST					1	1		
13	2	XNH264962	HOUSING					1	1		
14	2	XNH164106	BRACKET					6	6		
15	2	XNH164105	BOLT M6					6	6		
17	2	XNH163329	INSULATOR, SILENCER					1	1		
18	2	XNH137423	RETAINER					5	5		
19	2	XNH137007	BOLT					5	5		
20	2	XNH163006	SCREW M4					3	3		
21	2	XNH362809	FLAT BOLT					6	6		
22	2	XNH163331	HOUSING, BEARING					1	1		
23	2	XNN977003	RETAINING RING					3	3		
24	2	XNB133206	SCREW					4	4		
25	1	XNN976562	CLAMP					2	2		
26	1	XNH961640	ACTUATOR					1	1		
27	1	XJD532012	CIRCLIP					1	1		
28	1	XNH978919	BOOST HOSE					1	1		
29	1	127687-18910	CLIP, HOSE					1	1		
29-1	1	119574-18910	CLIP, HOSE					1	1	R	
				(E=EXXXXXX)				(F=EXXXXXX)			
30	1	26223-100252	STUD, M10X 25					4	4		
31	1	26703-100002	NUT, M10					8	8		
32	1	119172-18060	BRACKET					1	1		
33	1	26213-100252	STUD, M10X 25					4	4		
34	1	119195-18860	SILENCER					1	1	Z	1
				(E=*2002.03)				(F=*2002.03)			
35	2	119195-18880	FILTER, AIR 58MM					1	1		
36	1	128300-13230	GASKET, SILENCER					2	2		
37	1	119175-18850	SILENCER					1	1	W	
				(E=*2002.04)				(F=*2002.04)			
38	2	119195-18880	FILTER, AIR 58MM					1	1		

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

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Fig.18. MIXING ELBOW & EXHAUST BEND

(A)=4LHA-ST(E(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

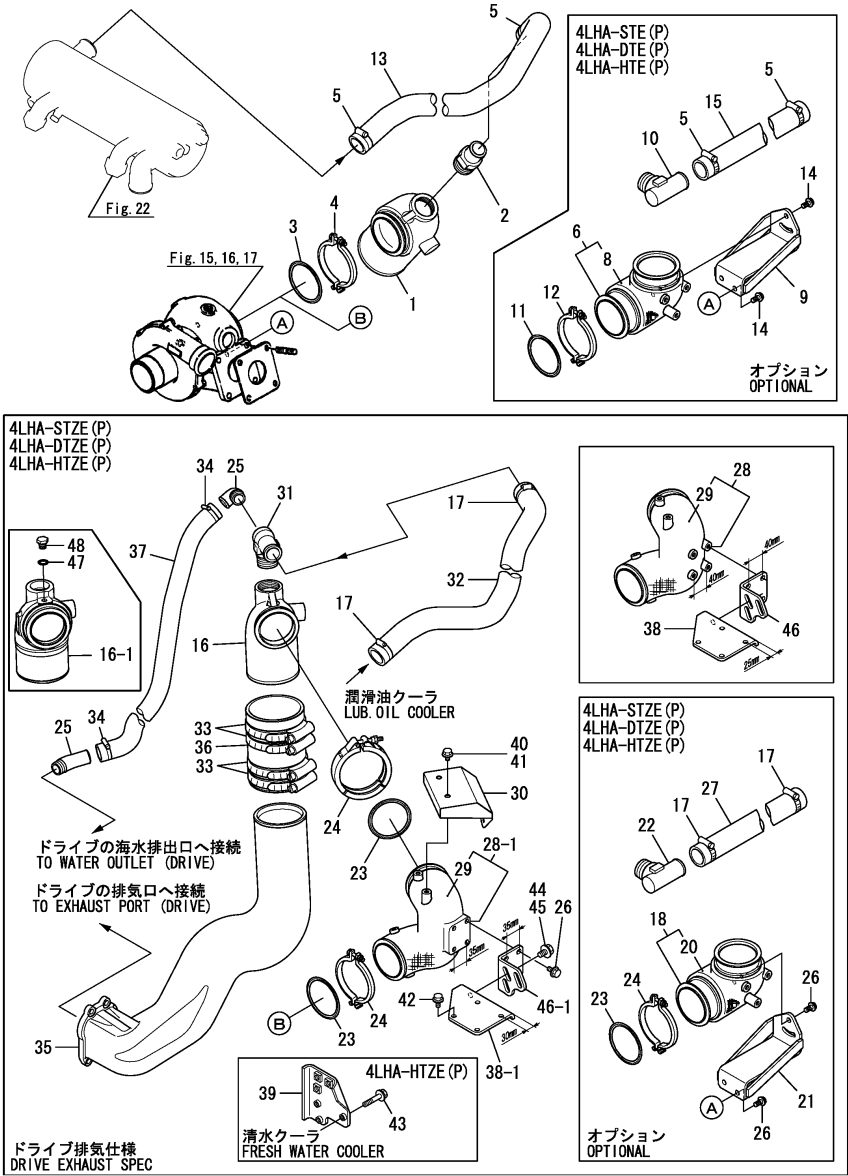


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119773-13500	ELBOW	1	1	1		1			
1-1	1	119773-13500	ELBOW		1					Z	1
(B=EA0461)											
2	1	119175-48600	JOINT	1							
2-1	1	119175-48630	JOINT	1		1		1		R	
(A=E51645)											
2A	1	119175-48600	JOINT		1					Z	
(B=EA0461)											
3	1	119773-13250	GASKET	1		1		1			
4	1	119773-13300	CLAMP	1		1		1			
5	1	23000-048000	CLAMP, 48	2		2		2			
6	1	119175-13200	BEND ASSY	1		1		1			1
8	2	119175-13220	INSULATOR	1		1		1			1
9	1	119175-13250	BRACKET	1							1
9-1	1	119175-13260	BRACKET, BEND	1		1		1		R	1
(A=E51645)											
9-2	1	119175-13250	BRACKET	1		1		1		R	1
(A=E51645) (C=E51645) (E=E51645)											
10	1	119175-48620	JOINT	1							1
10-1	1	119175-48650	JOINT, MIXING	1		1		1		R	1
(A=E51645)											
11	1	119773-13250	GASKET	1		1		1			1
12	1	119773-13300	CLAMP	1		1		1			1
13	1	119175-49010	HOSE, MIXING	1		1		1			
13A	1	119175-49020	HOSE, MIXING		1						
13A-1	1	119175-49020	HOSE, MIXING		1					Z	
(B=EA0461)											
14	1	26106-080162	BOLT, M8X 16 PLATED	4		4		4			
15	1	119175-49020	HOSE, MIXING	1		1		1			
16	1	119773-13500	ELBOW		1		1		1		
16-1	1	119773-13501	ELBOW		1		1		1	R	
(B=E51645) (D=E51645) (F=E51645)											
17	1	23000-048000	CLAMP, 48		2		2		2		
17-1	1	119172-48410	CLIP, HOSE 41		2		2		2	R	
(B=E51645) (D=E51645) (F=E51645)											
18	1	119175-13200	BEND ASSY		1		1		1		
20	2	119175-13220	INSULATOR		1		1		1		
21	1	119175-13260	BRACKET, BEND		1		1		1		
21-1	1	119175-13250	BRACKET		1		1		1	R	
(B=E51645) (D=E51645) (F=E51645)											
22	1	119175-48650	JOINT, MIXING		1		1		1		
23	1	119773-13250	GASKET		2		2		2		
24	1	119773-13300	CLAMP		2		2		2		
25	1	119175-49520	JOINT		2						W
(B=EA0461)											
25-1	1	119175-49550	JOINT		2		2		2	R	
(B=*2001.09)											
26	1	26106-080162	BOLT, M8X 16 PLATED		4		4		4		
27	1	119173-49020	HOSE, MIXING		1		1		1		
28	1	119175-13300	BEND ASSY		1						W
(B=EA0461)											

Remarks
(1)Optional.
(2)Interchangeable by simultaneous replacement with Ref.No.38-1,46-1.

Fig.18. MIXING ELBOW & EXHAUST BEND

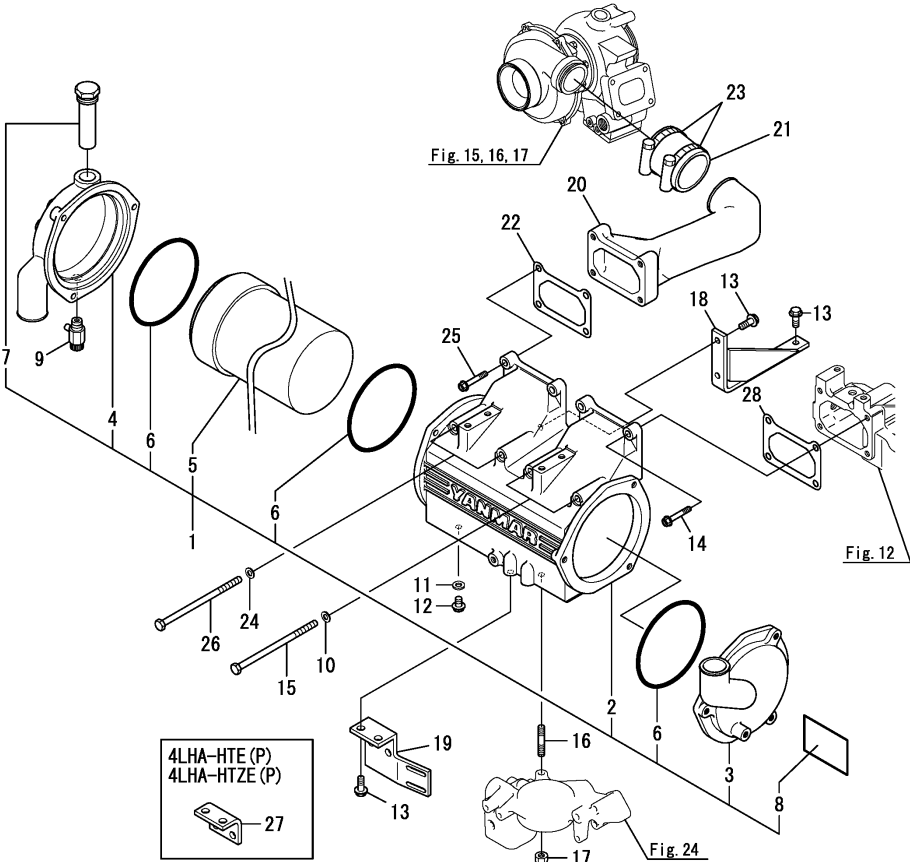
(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
28-1	1	119175-13301	BEND ASSY (B=EA0461)		1		1		1	F	2
29	2	119175-13320	INSULATOR (B=EA0461)		1		1		1	W	
30	1	119175-13700	COVER (B=EA0461)		1		1		1	W	
31	1	119175-48640	JOINT (B=EA0461)		1					W	
31-1	1	119175-48660	JOINT, MIXING (B=EA0836)		1		1		1	R	
32	1	119175-49500	JOINT, RUBBER (B=EA0461)		1					W	
32-1	1	119175-49530	JOINT, RUBBER (B=EA0836)		1		1		1	R	
33	1	23000-127000	CLAMP, 127 (B=EA0461)		4		4		4	W	
33-1	1	119172-48010	CLIP, HOSE 127 (B=EXXXXX)		4		4		4	N	
34	1	23000-035000	CLAMP, 35 (B=EA0461)		2		2		2	W	
34-1	1	119172-48350	CLIP, HOSE 35 (B=EXXXXX)		2		2		2	N	
35	1	119175-13620	PIPE, EXHAUST (B=EA0461)		1		1		1	W	
36	1	119175-13800	JOINT (B=EA0461)		1		1		1	W	
37	1	119175-49510	JOINT, RUBBER (B=EA0461)		1					W	
37-1	1	119175-49540	JOINT, RUBBER (B=*2001.04)		1		1		1	R	
38	1	119175-13510	BRACKET, BEND (B=EA0461)		1					W	
38-1	1	119175-13511	BRACKET, BEND (B=EA0463)		1		1			S	
39	1	119172-13520	BRACKET, BEND						1		
40	1	26106-080102	BOLT, M8X 10 PLATED (B=EA0461)		3		3			W	
41	1	26106-080122	BOLT, M8X 12 PLATED						3		
42	1	26106-080202	BOLT, M8X 20 PLATED		4		4				
43	1	26106-080252	BOLT, M8X 25 PLATED						4		
44	1	26106-100202	BOLT, M10X 20 PLATED (B=EA0461)		3		3			W	
45	1	26106-100162	BOLT, M10X 16 PLATED						3		
46	1	119175-13520	BRACKET, BEND (B=EA0461)		1					W	
46-1	1	119175-13521	BRACKET, BEND (B=EA0461)		1		1		1	S	
47	1	23414-130000	GASKET, 13X1.0 (B=EXXXXX)		1		1		1	W	
48	1	23893-020002	PLUG, G1/4 (B=EXXXXX)		1		1		1	W	

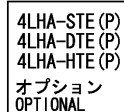
Remarks
(1)Optional.
(2)Interchangeable by simultaneous replacement with Ref.No.38-1,46-1.

Fig.19. AIR COOLER



(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119175-18100	COOLER ASSY, INTER	1	1	1	1	1	1		
2	2	119175-18110	CASE	1	1	1	1	1	1		
3	2	119175-18120	BOX, WATER	1	1	1	1	1	1		
4	2	119175-18130	BOX, WATER	1	1	1	1	1	1		
5	2	119175-18140	TUBE STACK	1	1	1	1	1	1		
6	2	119773-18350	O-RING	3	3	3	3	3	3		
7	2	119574-18790	ZINC, ANTI-CORROSIVE	1	1	1	1	1	1		
8	2	119175-18160	LABEL	1	1	1	1	1	1	W	
(A=E50959) (B=EA0611)											
9	1	120130-49350	COCK, 1/4	1	1						
9-1	1	119620-49290	COCK ASSY, 1/4	1	1	1	1	1	1	N	
(A=E51115) (B=EA0634)											
10	1	22137-080000	WASHER, 8	2	2	2	2	2	2		
11	1	23414-080000	GASKET, 8X1.0	1	1	1	1	1	1		
12	1	26106-080122	BOLT, M8X 12 PLATED	1	1	1	1	1	1		
13	1	26106-080202	BOLT, M8X 20 PLATED	8	8	8	8	8	8		
14	1	26106-080302	BOLT, M8X 30 PLATED	2	2	2	2	2	2		
15	1	26116-081252	BOLT, M8X125 PLATED	2	2	2	2	2	2		
16	1	26216-080452	STUD, M8X 45	1	1						
16-1	1	26226-080452	STUD, M8X 45	1	1	1	1	1	1	N	
(A=E50507) (B=EA0421)											
17	1	26306-080002	NUT, M8	1	1	1	1	1	1		
18	1	119175-18520	SUPPORT	1	1	1	1	1	1		
19	1	119175-18530	SUPPORT	1	1						
19-1	1	119175-18550	SUPPORT	1	1	1	1			R	
(A=E52121) (B=*2001.06)											
19-2	1	119175-18530	SUPPORT	1	1	1	1			R	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
20	1	119175-18150	DUCT, AIR	1	1	1	1	1	1		
20-1	1	119173-18150	DUCT, AIR	1	1	1	1	1	1	R	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX) (E=EXXXXX) (F=EXXXXX)											
21	1	119175-18250	HOSE, AIR DUCT	1	1	1	1	1	1		
22	1	119175-18590	GASKET, COOLER	1	1	1	1	1	1		
23	1	127488-18910	CLIP, HOSE	2	2	2	2	2	2		
24	1	22137-080000	WASHER, 8	2	2	2	2	2	2		
25	1	26106-080302	BOLT, M8X 30 PLATED	2	2	2	2	2	2		
26	1	26116-081252	BOLT, M8X125 PLATED	2	2	2	2	2	2		
27	1	119172-18570	SUPPORT							1	1
27-1	1	119172-18560	SUPPORT							1	1
											R
				(E=EXXXXX)			(F=EXXXXX)				
28	1	119175-18590	GASKET, COOLER	1	1	1	1	1	1		



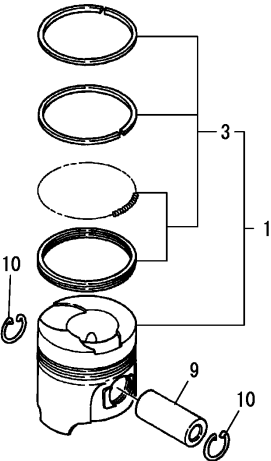
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719184-21700	CRANKSHAFT ASSY	1	1	1	1				
4	3	121850-21200	GEAR, CRANKSHAFT	1	1	1	1				
5	3	121850-21290	PIN	1	1	1	1				
7	2	121850-21920	PIN, M10X22	1	1	1	1				
8	2	22512-070140	KEY, 7X 14	1	1	1	1				
9	1	119000-21650	V-PULLEY	1	1	1	1				
10	1	121850-21660	WASHER	1	1	1	1				
11	1	121850-21680	BOLT	1	1	1	1				
12	1	719171-21701	CRANKSHAFT ASSY							1	1
15	3	121850-21200	GEAR, CRANKSHAFT							1	1
16	3	121850-21290	PIN							1	1
18	2	121850-21920	PIN, M10X22							1	1
19	2	22512-070140	KEY, 7X 14							1	1
20	1	119000-21650	V-PULLEY							1	1
21	1	121850-21660	WASHER							1	1
22	1	121850-21680	BOLT							1	1
23	1	119171-21650	V-PULLEY, D=180A-2	1		1				1	
24	1	26106-100302	BOLT, M10X 30 PLATED	6		6				6	

Fig.21. PISTON & CONNECTING ROD

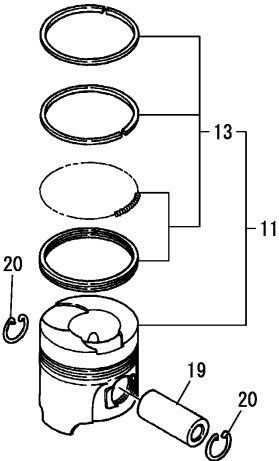
(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119181-22080	PISTON ASSY	4	4						
1-1	1	119181-22081	PISTON ASSY	4	4						N
		(A=E51702)	(B=EA0860)								
3	2	719187-22502	RING SET, PISTON	4	4						
9	1	119173-22300	PIN, PISTON	4	4						
10	1	22252-000370	RING, 37	8	8						
11	1	119173-22051	PISTON ASSY			4	4				
13	2	719187-22502	RING SET, PISTON			4	4				
19	1	119173-22300	PIN, PISTON			4	4				
20	1	22252-000370	RING, 37			8	8				
21	1	119172-22100	PISTON ASSY					4	4		
23	2	719187-22502	RING SET, PISTON					4	4		
29	1	119173-22300	PIN, PISTON					4	4		
30	1	22252-000370	RING, 37					8	8		
31	1	719174-23100	ROD ASSY, CONNECTING	4	4	4	4	4	4		
35	2	121850-23200	BOLT, CONNECTING ROD	8	8	8	8	8	8		
36	2	719174-23600	BEARING, CRANK PIN	4	4	4	4	4	4		
36-1	2	719174-23601	CRANK-PIN METAL	4	4	4	4	4	4		R
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)	(E=EXXXXX)	(F=EXXXXX)				
38	1	719172-23610	METAL ASSY, 0.25					4	4		
40	1	119172-23310	METAL ASSY, 0.50					4	4		

4LHA-STE (P)
4LHA-STZE (P)



4LHA-DTE (P)
4LHA-DTZE (P)



4LHA-HTE (P)
4LHA-HTZE (P)

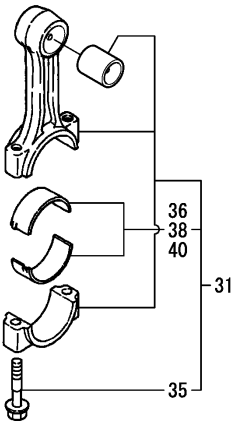
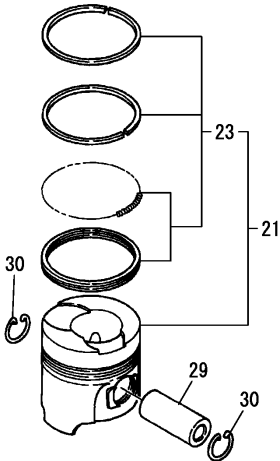
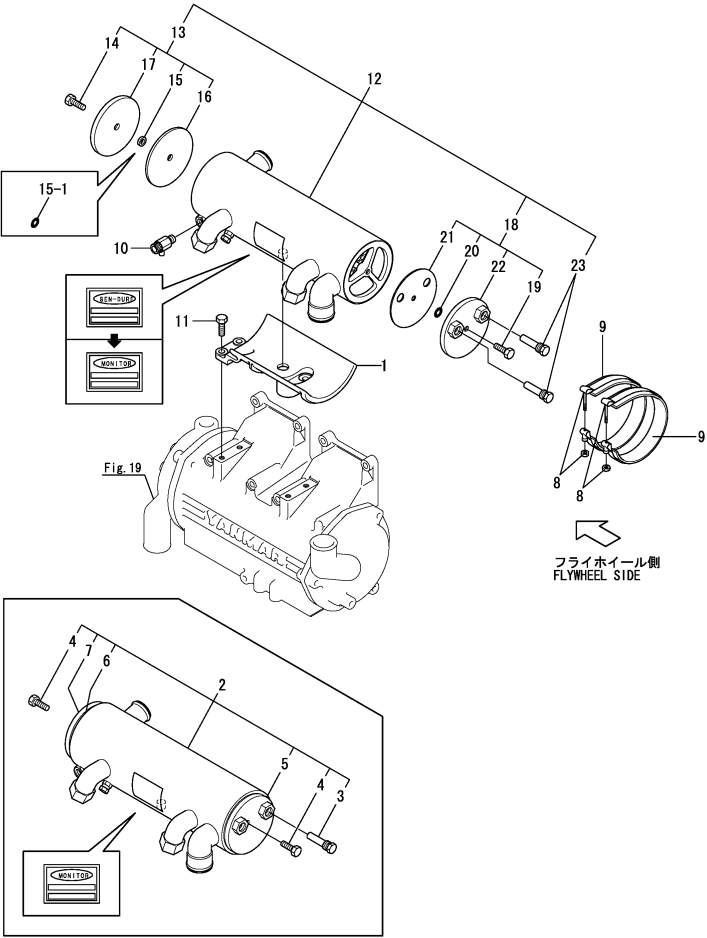


Fig.22. LUB.OIL COOLER

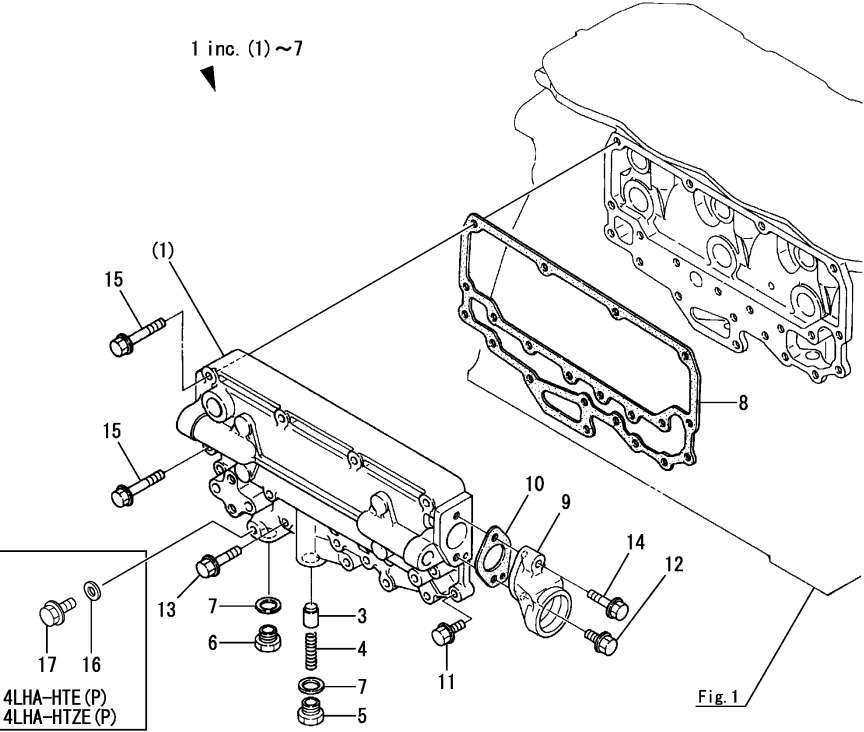
(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119175-33150	BRACKET	1	1	1	1	1	1		
1-1	1	119173-33160	BRACKET	1	1	1	1	1	1	R	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)				(E=EXXXXX) (F=EXXXXX)							
2	1	119175-33200	COOLER ASSY, OIL	1	1	1	1	1	1		4
3	2	119574-44150	ZINC, ANTI-CORROSIVE	2	2	2	2	2	2		
4	2	119574-44180	BOLT, UNC 3/8	2	2	2	2	2	2		1
5	2	119175-33080	GASKET	1	1	1	1	1	1		2
6	2	119773-33080	GASKET	1	1	1	1	1	1		3
7	2	119773-33060	COVER ASSY	1	1	1	1	1	1		3
8	1	119775-33200	CLAMP, BOLT	2	2						
8-1	1	119175-44200	CLAMP, BOLT	2	2	2	2	2	2	N	
(A=E50625) (B=EA0461)											
9	1	119775-33620	SEAT, RUBBER	2	2	2	2	2	2		
10	1	120130-49350	COCK, 1/4	1	1						
10-1	1	119620-49290	COCK ASSY, 1/4	1	1	1	1	1	1	N	
(A=E51115) (B=EA0634)											
11	1	26106-080252	BOLT, M8X 25 PLATED	4	4	4	4	4	4		
12	1	119175-33200	COOLER ASSY, OIL	1	1	1	1	1	1		4
13	2	119175-33320	COVER KIT	1	1	1	1	1	1	W	
(A=*2007.04) (B=*2007.04) (C=*2007.04) (D=*2007.04)				(E=*2007.04) (F=*2007.04)							
14	3	119175-33330	BOLT, UNC 3/8-16X5/8	1	1	1	1	1	1		
15	3	119175-33360	GASKET	1	1	1	1	1	1		
15-1	3	119175-33350	O-RING	1	1	1	1	1	1	R	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)				(E=EXXXXX) (F=EXXXXX)							
16	3	119175-33370	GASKET, 4 INCH	1	1	1	1	1	1		
17	3	119175-33390	COVER	1	1	1	1	1	1		
18	2	119175-33310	COVER KIT	1	1	1	1	1	1	W	
(A=*2007.04) (B=*2007.04) (C=*2007.04) (D=*2007.04)				(E=*2007.04) (F=*2007.04)							
19	3	119175-33340	BOLT, UNC 3/8-16X3/4	1	1	1	1	1	1		
20	3	119175-33350	O-RING	1	1	1	1	1	1		
21	3	119175-33380	GASKET, 4 INCH	1	1	1	1	1	1		
22	3	119175-33400	COVER	1	1	1	1	1	1		
23	2	119574-44150	ZINC, ANTI-CORROSIVE	2	2	2	2	2	2		

Remarks
(1)There are a KIT and interchangeability of No.13 or No.18.(Not interchangeable single part.) (2)There are a KIT and interchangeability of No.18.(Not interchangeable single part.) (3)There are a KIT and interchangeability of No.13.(Not interchangeable single part.) (4)Manufacturer change. MONITOR INC.(No.2)->SEN-DURE INC.(No.12)->MONITOR INC.(No.12). part number doesn't have the change.

Fig.23. LUB.OIL COOLER HOUSING



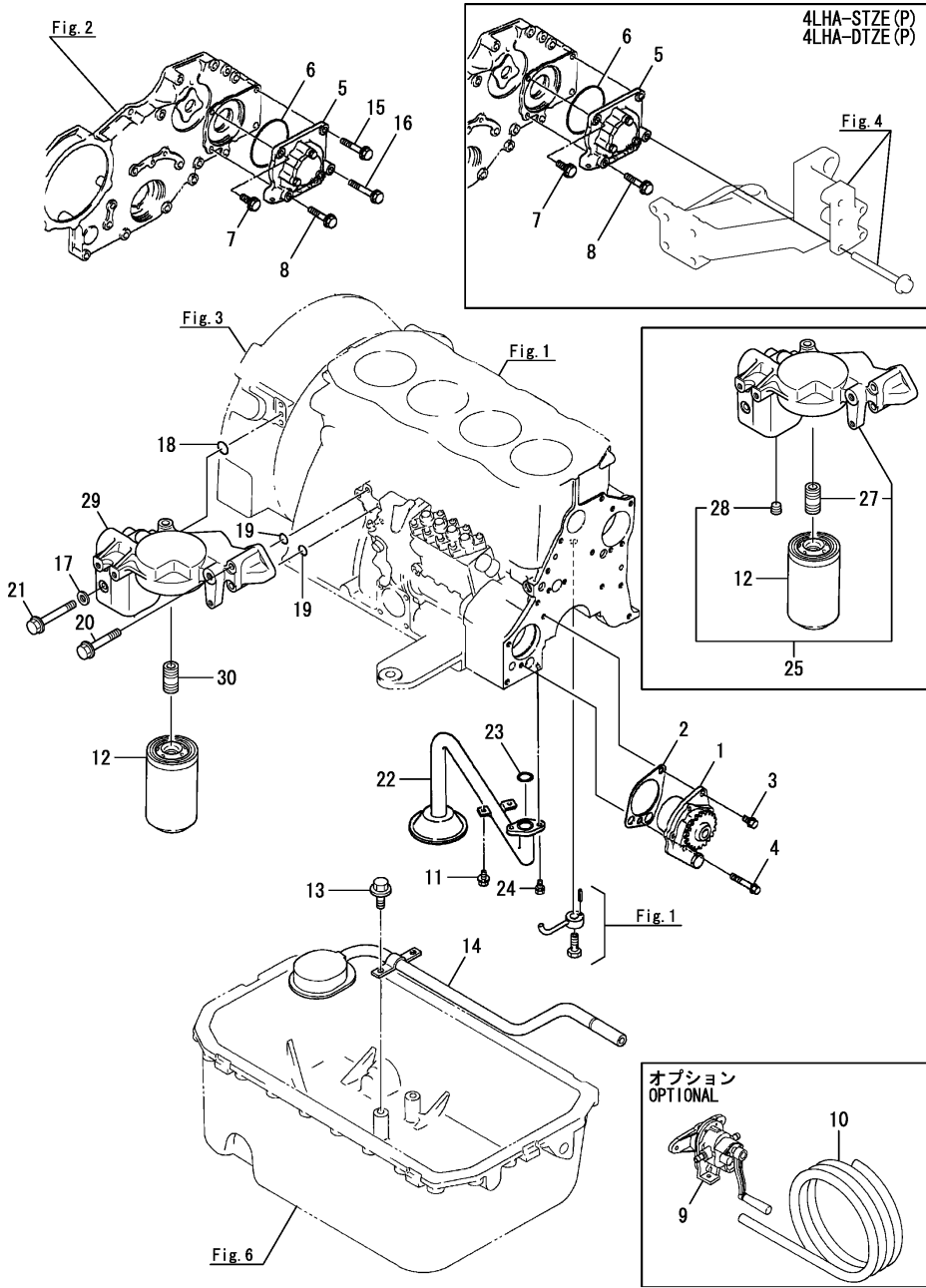
(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719171-33100	CASE ASSY, COOLER	1	1	1	1	1	1		
3	2	119000-34030	VALVE, CONTROL	1	1	1	1	1	1		
4	2	124411-35520	SPRING	1	1	1	1	1	1		
5	2	123672-84530	RETAINER, VALVE	1	1	1	1	1	1		
6	2	123672-84530	RETAINER, VALVE	1	1	1	1	1	1		
7	2	23414-180000	GASKET, 18X1.0	2	2	2	2	2	2		
8	1	119000-33022	GASKET	1	1	1	1	1	1		
9	1	119000-33030	BEND	1	1	1	1	1	1		
10	1	119000-33041	GASKET	1	1	1	1	1	1		
11	1	26106-080202	BOLT, M8X 20 PLATED	3	3	3	3	3	3		
12	1	26106-080202	BOLT, M8X 20 PLATED	1	1	1	1	1	1		
13	1	26106-080352	BOLT, M8X 35 PLATED	8	8	8	8	8	8		
14	1	26106-080352	BOLT, M8X 35 PLATED	1	1	1	1	1	1		
15	1	26106-080502	BOLT, M8X 50 PLATED	10	10	10	10	10	10		
16	1	23414-080000	GASKET, 8X1.0							1	1
17	1	26106-080122	BOLT, M8X 12 PLATED							1	1

Fig.24. LUB.OIL SYSTEM

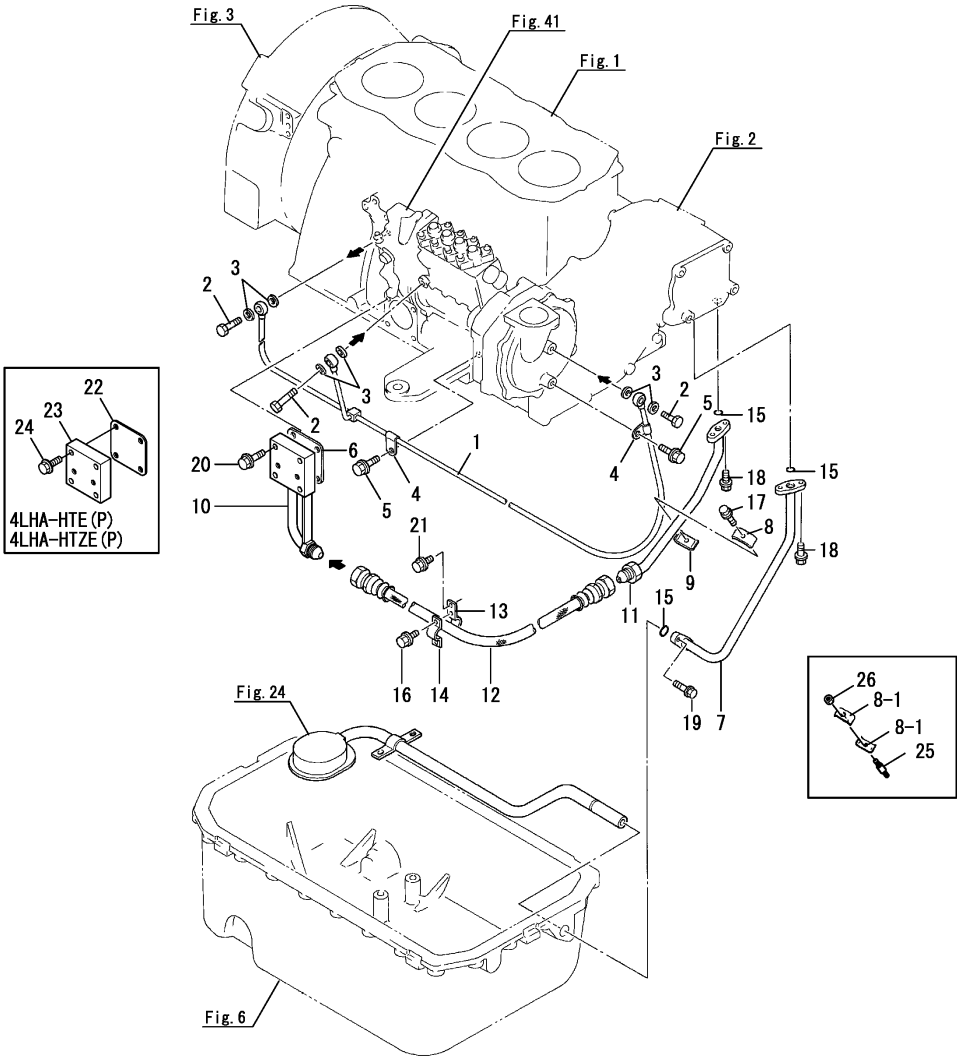
(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)



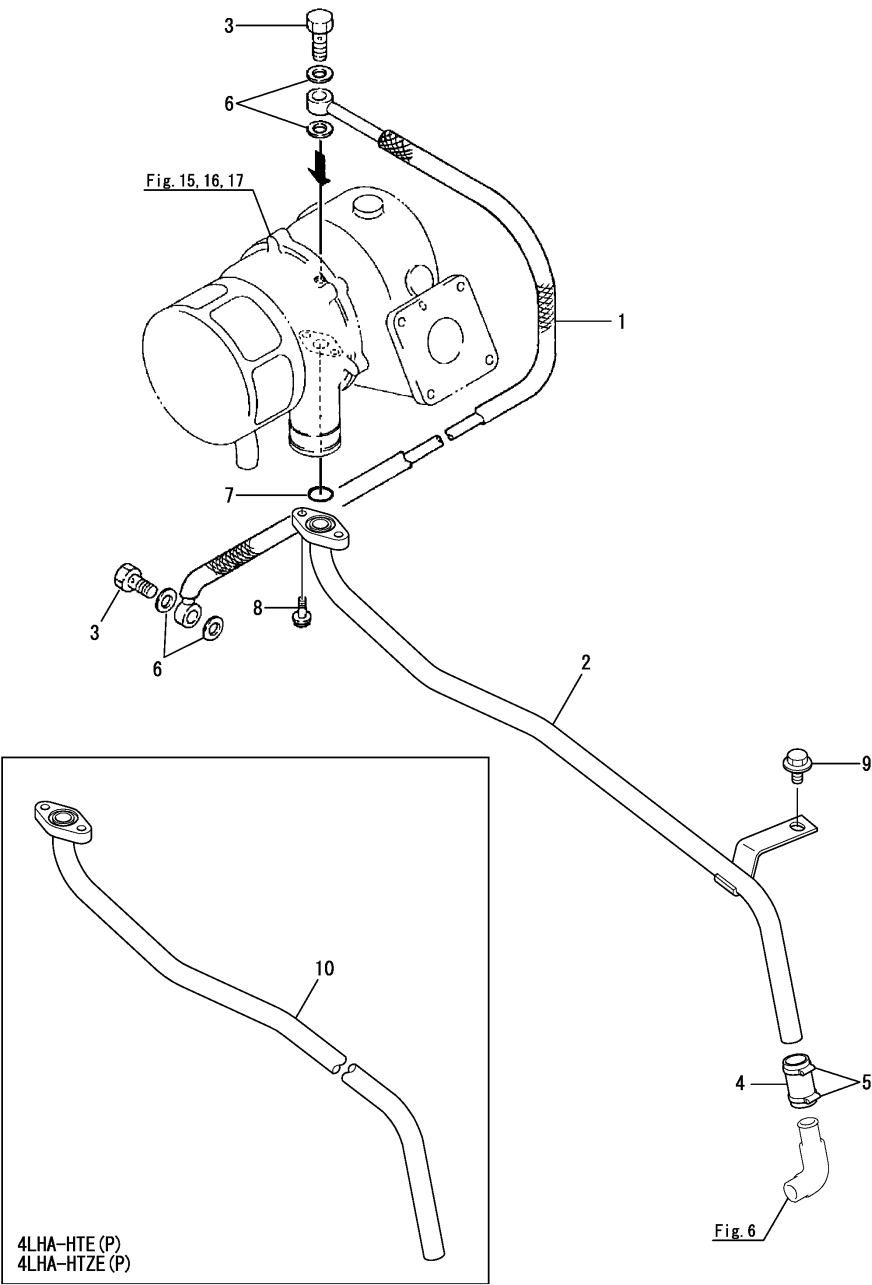
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119000-32001	PUMP ASSY, OIL	1	1	1	1	1	1		
2	1	119000-32020	GASKET, PUMP	1	1	1	1	1	1		
3	1	26106-080162	BOLT, M8X 16 PLATED	1	1	1	1	1	1		
4	1	26106-080502	BOLT, M8X 50 PLATED	1	1	1	1	1	1		
5	1	119187-32000	PUMP ASSY, OIL	1	1	1	1				
6	1	24341-000800	O-RING, 1AS80.0	1	1	1	1				
7	1	26106-080252	BOLT, M8X 25 PLATED	1	1	1	1				
8	1	26106-080452	BOLT, M8X 45 PLATED	1	1	1	1				
9	1	124413-39100	PUMP ASSY, WASTE	1	1	1	1	1	1		
10	1	43720-001220	PIPE	1	1	1	1	1	1		
10-1	1	120130-39990	HOSE,OIL DRAIN 3M	1	1	1	1	1	1		N
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX) (E=EXXXXX) (F=EXXXXX)											
11	1	26106-080162	BOLT, M8X 16 PLATED	2	2	2	2	2	2		
12	1	127695-35160	FILTER, LO	1	1	1	1	1	1		
13	1	26106-060122	BOLT, M6X 12 PLATED	2	2	2	2				
14	1	119187-35100	PIPE ASSY, OIL INLET	1	1	1	1				
15	1	26106-080552	BOLT, M8X 55 PLATED	1		1					
16	1	26106-080702	BOLT, M8X 70 PLATED	1		1					
17	1	22137-080000	WASHER, 8	2	2	2	2	2	2		
18	1	24311-000120	O-RING, 1AP12.0	1	1	1	1	1	1		
19	1	24311-000180	O-RING, 1AP18.0	2	2	2	2	2	2		
20	1	26106-081102	BOLT, M8X110 PLATED	2	2	2	2	2	2		
21	1	26106-081152	BOLT, M8X115 PLATED	2	2	2	2	2	2		
22	1	119100-35090	PIPE ASSY, OIL INLET	1	1	1	1	1	1		
23	1	24311-000220	O-RING, 1AP22.0	1	1	1	1	1	1		
24	1	26013-080162	BOLT, M8X 16	2	2	2	2	2	2		
25	1	119175-35200	BRACKET	1	1						Z
(A=E51645) (B=EA0836)											
27	2	119175-35180	BRACKET	1	1						Z
(A=E51645) (B=EA0836)											
28	2	23871-030000	PLUG, R03	2	2						
28-1	2	23876-030000	PLUG, R03	2	2						N
(A=E50582) (B=EA0421)											
28-2	2	23876-030000	PLUG, R03	2	2						Z
(A=E51645) (B=EA0836)											
29	1	119175-35150	BRACKET	1	1	1	1	1	1	1	W
(A=E51645) (B=EA0836)											
29-1	1	119175-35170	BRACKET	1	1	1	1	1	1	1	R
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX) (E=EXXXXX) (F=EXXXXX)											
30	1	119175-35180	BRACKET	1	1	1	1	1	1	1	W
(A=E51645) (B=EA0836)											

Fig.25. LUB.OIL PIPE



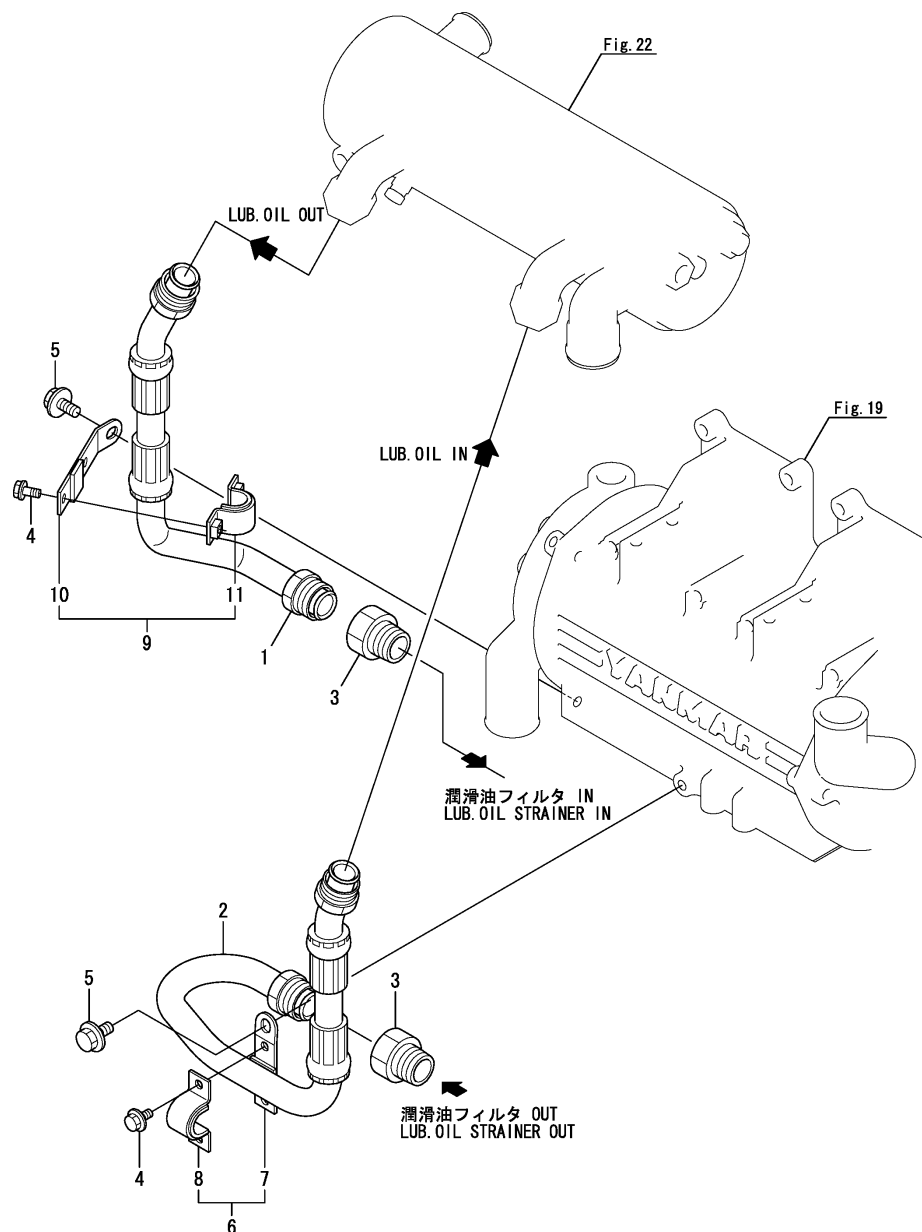
				OCR10-M47803		Fig.25				
				(A)=4LHA-STE(P) (B)=4LHA-STZE(P) (C)=4LHA-DTE(P)		(D)=4LHA-DTZE(P) (E)=4LHA-HTE(P) (F)=4LHA-HTZE(P)				
No.	Lev.	Parts No.	Description	Q'ty						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	119181-39400	PIPE ASSY, OIL	1	1					
1-1	1	119181-39401	PIPE ASSY, OIL	1	1	1	1			N
		(A=E50919)	(B=EA5721)							
2	1	129198-59540	BOLT, PIPE JOINT M8	3	3	3	3			
3	1	22190-080002	WASHER, SEAL 6	6	6	6	6			
4	1	23297-060081	CLAMP, A6X 8	2	2	2	2			
5	1	26106-080122	BOLT, M8X 12 PLATED	2	2	2	2			
6	1	119187-35160	GASKET	1	1	1	1			
6-1	1	119187-35161	GASKET	1	1	1	1			N
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)					
7	1	119173-39300	PIPE, OIL	1	1	1	1			
8	1	119187-39320	CLAMP, PIPE 14	1	1	1	1			
8-1	1	119175-39720	CLAMP	2	2	2	2			W
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)					
9	1	119187-39330	CLAMP, PIPE 14	1	1	1	1			Z
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)					
10	1	119175-39350	PIPE, OIL	1	1	1	1			
11	1	119187-39360	PIPE, OIL	1	1	1	1			
12	1	119187-39370	HOSE, RUBBER	1	1	1	1			
13	1	119181-39500	RETAINER	1	1	1	1			
14	1	119173-39510	RETAINER	1	1	1	1			
15	1	24311-000120	O-RING, 1AP12.0	3	3	3	3			
16	1	26106-060122	BOLT, M6X 12 PLATED	2	2	2	2			
17	1	26106-060202	BOLT, M6X 20 PLATED	1	1	1	1			
18	1	26106-080162	BOLT, M8X 16 PLATED	4	4	4	4			
19	1	26106-080252	BOLT, M8X 25 PLATED	2	2	2	2			
20	1	26106-080302	BOLT, M8X 30 PLATED	4	4	4	4			
21	1	26106-100162	BOLT, M10X 16 PLATED	1	1	1	1			
22	1	119187-35160	GASKET					1	1	
22-1	1	119187-35161	GASKET					1	1	N
				(E=EXXXXX)			(F=EXXXXX)			
23	1	119172-35170	CAP					1	1	
24	1	26106-080302	BOLT, M8X 30 PLATED					14	14	
25	1	119175-39700	SPACER	1	1	1	1			W
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)					
25-1	1	119175-39710	BOLT	1	1	1	1			N
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)					
26	1	26366-080002	NUT, M8	2	2	2	2			W
		(A=EZZZZZ)	(B=EZZZZZ)	(C=EZZZZZ)	(D=EZZZZZ)					
26-1	1	26306-080002	NUT, M8	2	2	2	2			N
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)					

Fig.26. LUB.OIL PIPE(TURBOCHARGER)



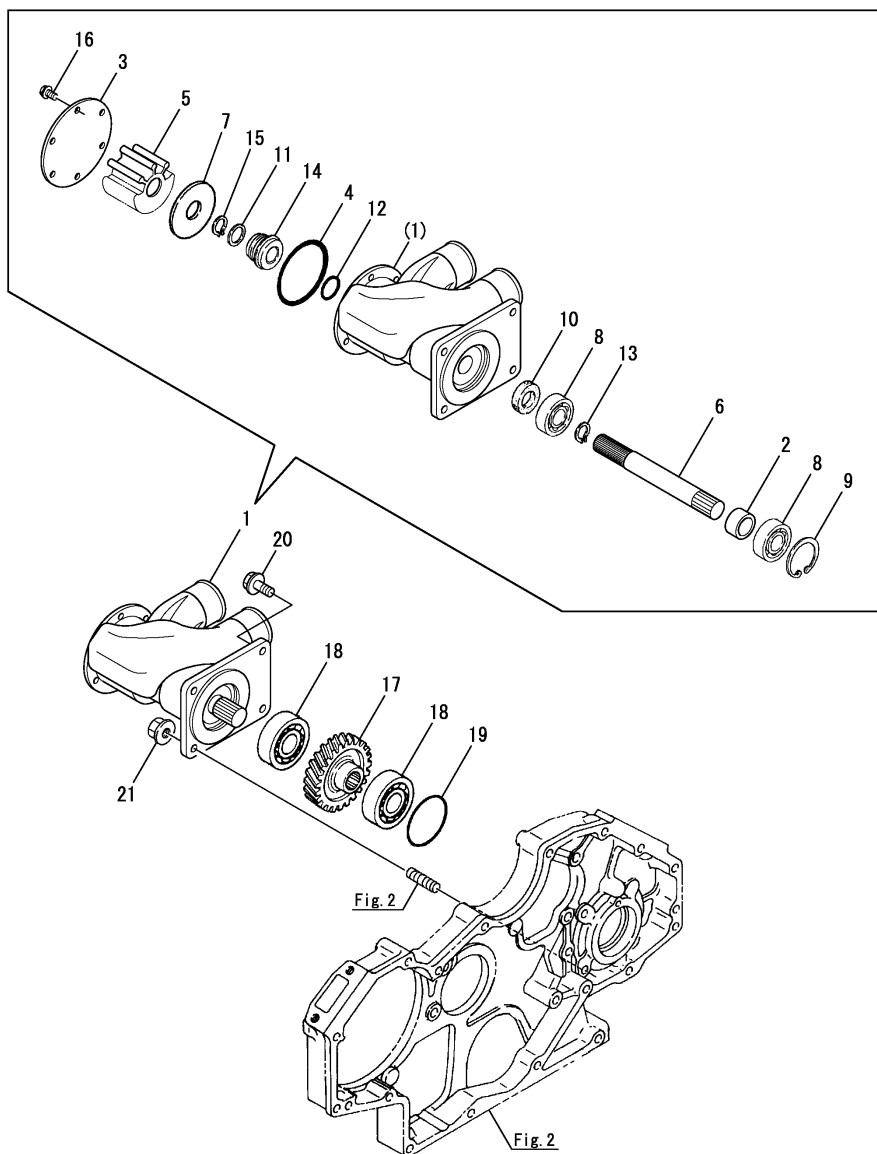
(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119187-39610	PIPE, OIL	1	1	1	1	1	1		
2	1	119175-39660	PIPE, OIL	1	1	1	1				
3	1	121252-39150	BOLT, JOINT M10X1.5	2	2	2	2	2	2		
4	1	119175-39820	HOSE, RETURN	1	1	1	1	1	1		
4-1	1	129792-39610	JOINT, RUBBER	1	1	1	1	1	1	N	
		(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)		(E=EXXXXX)				(F=EXXXXX)			
5	1	23000-025000	CLAMP, 25	2	2	2	2	2	2		
5-1	1	119172-48250	CLIP, HOSE 25	2	2	2	2	2	2	N	
		(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)		(E=EXXXXX)				(F=EXXXXX)			
5-2	1	23000-022000	CLAMP, 22	2	2	2	2	2	2	R	
		(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)		(E=EXXXXX)				(F=EXXXXX)			
6	1	23414-100000	GASKET, 10X1.0	4	4	4	4	4	4		
7	1	24316-000200	O-RING, 4DP20.0	1	1	1	1	1	1		
8	1	26106-060162	BOLT, M6X 16 PLATED	2	2	2	2	2	2		
9	1	26106-080162	BOLT, M8X 16 PLATED	1	1	1	1	1	1		
10	1	119172-39660	PIPE, OIL							1	1



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119175-39050	PIPE ASSY, OIL	1	1	1	1	1	1		
2	1	119175-39060	PIPE ASSY, OIL	1	1	1	1	1	1		
3	1	119574-39200	JOINT	2	2	2	2	2	2		
4	1	26106-060122	BOLT, M6X 12 PLATED	4	4	4	4	4	4		
5	1	26106-080162	BOLT, M8X 16 PLATED	2	2	2	2	2	2		
6	1	119175-39120	RETAINER	1	1	1	1	1	1		
7	2	119175-39160	RETAINER	1	1	1	1	1	1		
8	2	119175-39170	RETAINER	1	1	1	1	1	1		
9	1	119175-39140	RETAINER	1	1	1	1	1	1		
10	2	119175-39180	RETAINER	1	1	1	1	1	1		
11	2	119175-39190	RETAINER	1	1	1	1	1	1		

Fig.28. C.S.W.PUMP(4LHA-ST/DT(Z)E(P))

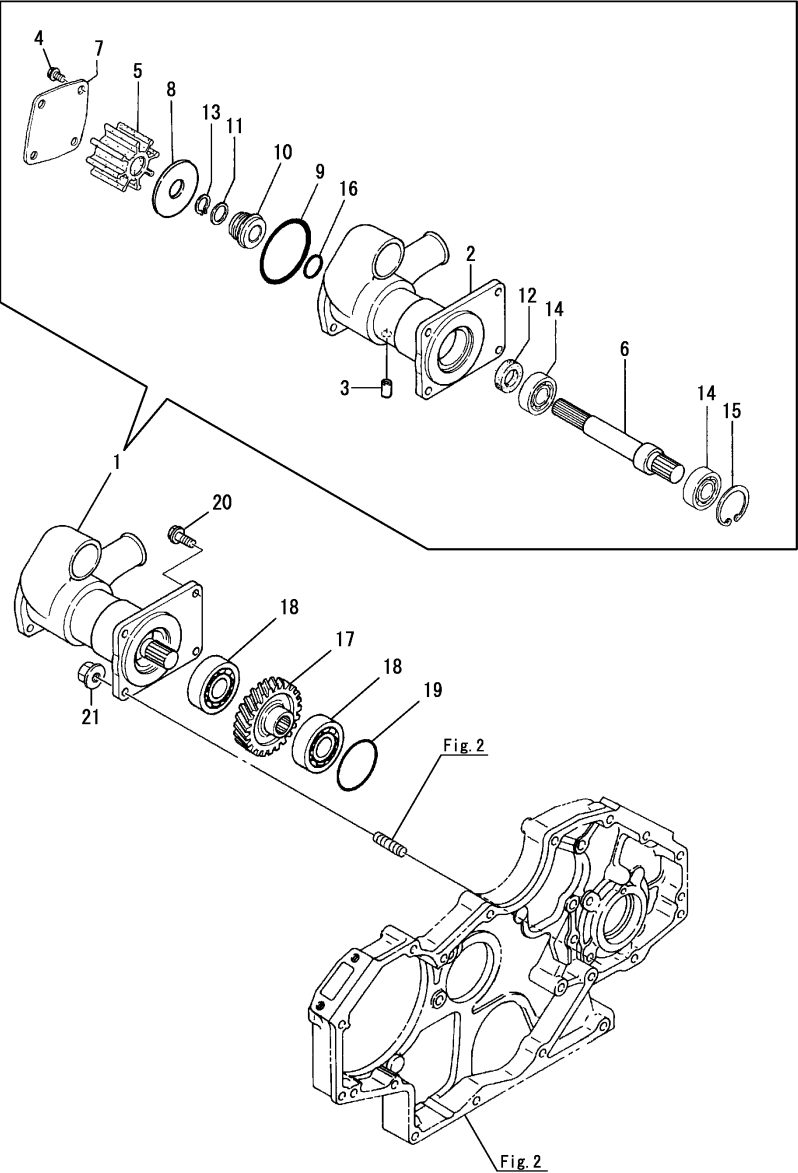


No.	Lev.	Parts No.	Description	(A)=4LHA-STE(P) (B)=4LHA-STZE(P) (C)=4LHA-DTE(P)		(D)=4LHA-DTZE(P) (E)=4LHA-HTE(P) (F)=4LHA-HTZE(P)				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119175-42500	PUMP ASSY, WATER	1	1	1	1				
2	2	119175-42550	SPACER	1	1	1	1				
3	2	119175-42560	COVER, END	1	1	1	1				
4	2	119175-42570	O-RING	1	1	1	1				
5	2	127610-42200	IMPELLER	1	1	1	1				
5-1	2	120650-42310	IMPELLER	1	1	1	1				N
		(A)=*2007.02)	(B)=*2007.02)	(C)=*2007.02)	(D)=*2007.02)						
6	2	119175-42510	SHAFT	1	1	1	1				
7	2	119175-42520	PLATE	1	1	1	1				
8	2	119175-42530	BEARING, BALL	2	2	2	2				
9	2	119175-42540	RETAINER, BEARING	1	1	1	1				
10	2	119175-42580	SEAL, LIP	1	1	1	1				
11	2	129670-42550	WASHER	1	1	1	1				
12	2	119175-42610	O-RING	1	1	1	1				
13	2	X053421	CIRCLIP	1	1	1	1				
14	2	129670-42560	SEAL, MECHANICAL	1	1	1	1				
15	2	X0534105	CIRCLIP	1	1	1	1				
16	2	119175-42620	SCREW	6	6	6	6				
17	1	119100-26200	GEAR, PUMP	1	1	1	1				
18	1	24101-060064	BEARING, BALL 6006	2	2	2	2				
19	1	24341-000800	O-RING, 1AS80.0	1	1	1	1				
20	1	26106-080202	BOLT, M8X 20 PLATED	2	2	2	2				
21	1	26306-080002	NUT, M8	2	2	2	2				

Fig.29. C.S.W.PUMP(4LHA-HT(Z)E(P))

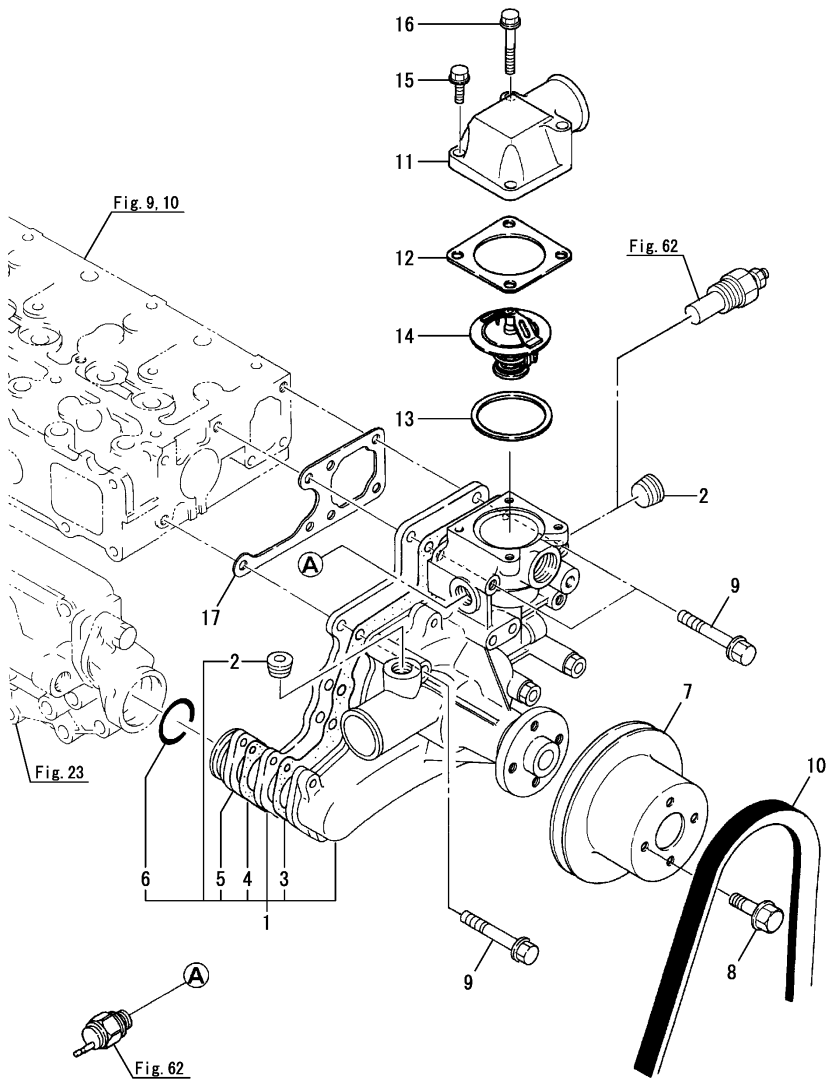
(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119171-42500	PUMP ASSY, WATER					1	1		
1-1	1	119171-42501	PUMP ASSY, WATER					1	1	N	
				(E=EXXXXX)			(F=EXXXXX)				
2	2	119171-42510	BODY, WATER PUMP					1	1		
3	2	126650-42301	JOINT, DRAIN					1	1		
4	2	26113-060102	BOLT, M6X 10					4	4		
5	2	123325-42020	IMPELLER					1	1		
5-1	2	123325-42021	IMPELLER					1	1	N	
				(E=EXXXXX)			(F=EXXXXX)				
6	2	119171-42520	SHAFT, IMPELLER					1	1		
7	2	119171-42530	COVER					1	1		
8	2	119171-42540	PLATE					1	1		
9	2	24321-000700	O-RING, 1AG70.0					1	1		
10	2	123472-42060	SEAL, MECHANICAL					1	1		
11	2	123472-42090	COLLAR					1	1		
12	2	123472-42150	SEAL, TC203508					1	1		
13	2	123472-42140	CIRCLIP					1	1		
14	2	24104-062044	BEARING, BALL 6204UU					2	2		
15	2	22252-000470	RING, 47					1	1		
16	2	24313-000200	O-RING 20P					1	1		
17	1	119100-26200	GEAR, PUMP					1	1		
18	1	24101-060064	BEARING, BALL 6006					2	2		
19	1	24341-000800	O-RING, 1AS80.0					1	1		
20	1	26106-080202	BOLT, M8X 20 PLATED					4	4		
21	1	26306-080002	NUT, M8					2	2		

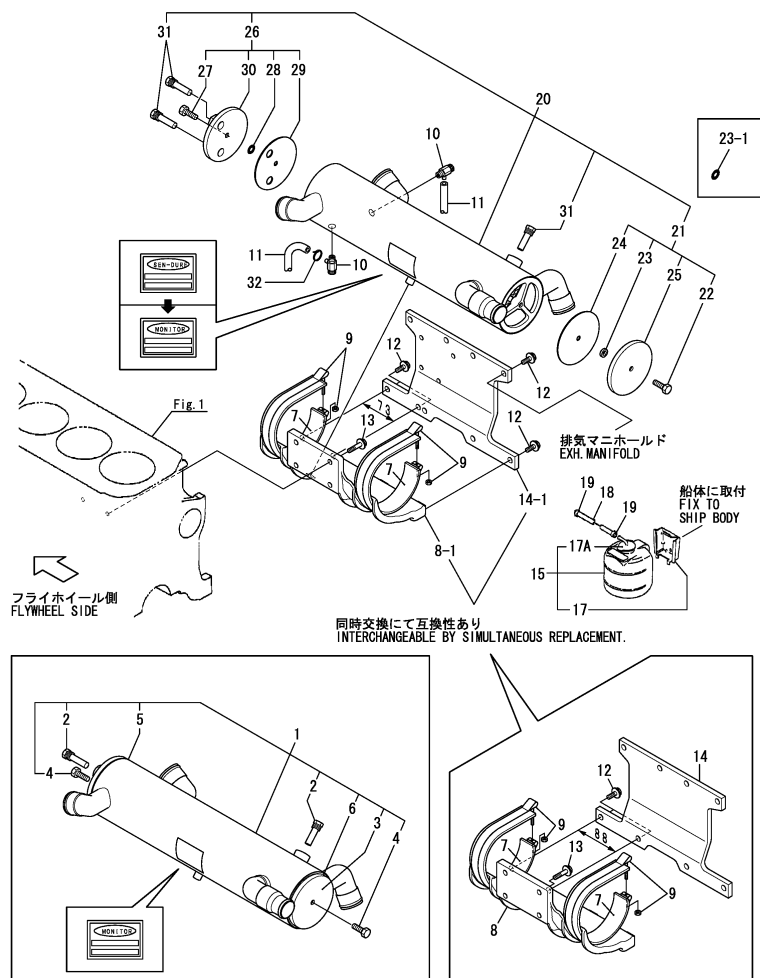
Fig.30. COOLING FRESH WATER PUMP



(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119171-42001	PUMP ASSY, WATER	1	1						
1-1	1	119171-42002	PUMP ASSY, WATER	1	1	1	1	1	1		R
		(A=E51702) (B=EA0860)									
1-2	1	119171-42003	PUMP ASSY, WATER	1	1	1	1	1	1		R
		(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)			(E=EXXXXX)			(F=EXXXXX)			
2	2	23871-030000	PLUG, R03	2	2	2	2	2	2		
3	2	119000-42051	GASKET, WATER PUMP	1	1	1	1	1	1		
4	2	119000-42150	GASKET, WATER PUMP	1	1						
4-1	2	119000-42151	GASKET, WATER PUMP	1	1	1	1	1	1		R
		(A=E51702) (B=EA0860)									
5	2	119000-42141	FLANGE	1	1	1	1	1	1		
6	2	119171-42300	O-RING	1	1	1	1	1	1		W
		(A=E51702) (B=EA0860)									
6A	1	24311-000360	O-RING, 1AP36.0	1	1						Z
		(A=E51702) (B=EA0860)									
7	1	121850-42250	V-PULLEY	1	1	1	1	1	1		
8	1	26106-080162	BOLT, M8X 16 PLATED	4	4	4	4	4	4		
9	1	26106-080652	BOLT, M8X 65 PLATED	5	5	5	5	5	5		
10	1	121850-42280	V-BELT, A46	1	1	1	1	1	1		
11	1	119171-49530	COVER, THERMOSTAT	1	1	1	1	1	1		
12	1	121850-49540	GASKET, THERMOSTAT	1	1	1	1	1	1		
13	1	121850-49550	GASKET, THERMOSTAT	1	1	1	1	1	1		
14	1	121850-49810	THERMOSTAT, 71	1	1	1	1	1	1		
14-1	1	121850-49811	THERMOSTAT	1	1	1	1	1	1		N
		(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)			(E=EXXXXX)			(F=EXXXXX)			
15	1	26106-060202	BOLT, M6X 20 PLATED	2	2	2	2	2	2		
16	1	26106-060452	BOLT, M6X 45 PLATED	2	2	2	2	2	2		
17	1	119000-42021	GASKET, WATER PUMP	1	1	1	1	1	1		

Fig.31. C.F.W.COOLER(4LHA-ST/DT(Z)E(P)



(1) There are a KIT and interchangeability of No.21 or No.26.(Not interchangeable single part.) (2) There are a KIT and interchangeability of No.26.(Not interchangeable single part.) (3) There are a KIT and interchangeability of No.21.(Not interchangeable single part.) (4) Manufacturer change. MONITOR INC.(No.1)->SEN-DURE INC.(No.20)->MONITOR INC.(No.20). part number doesn't have the change.

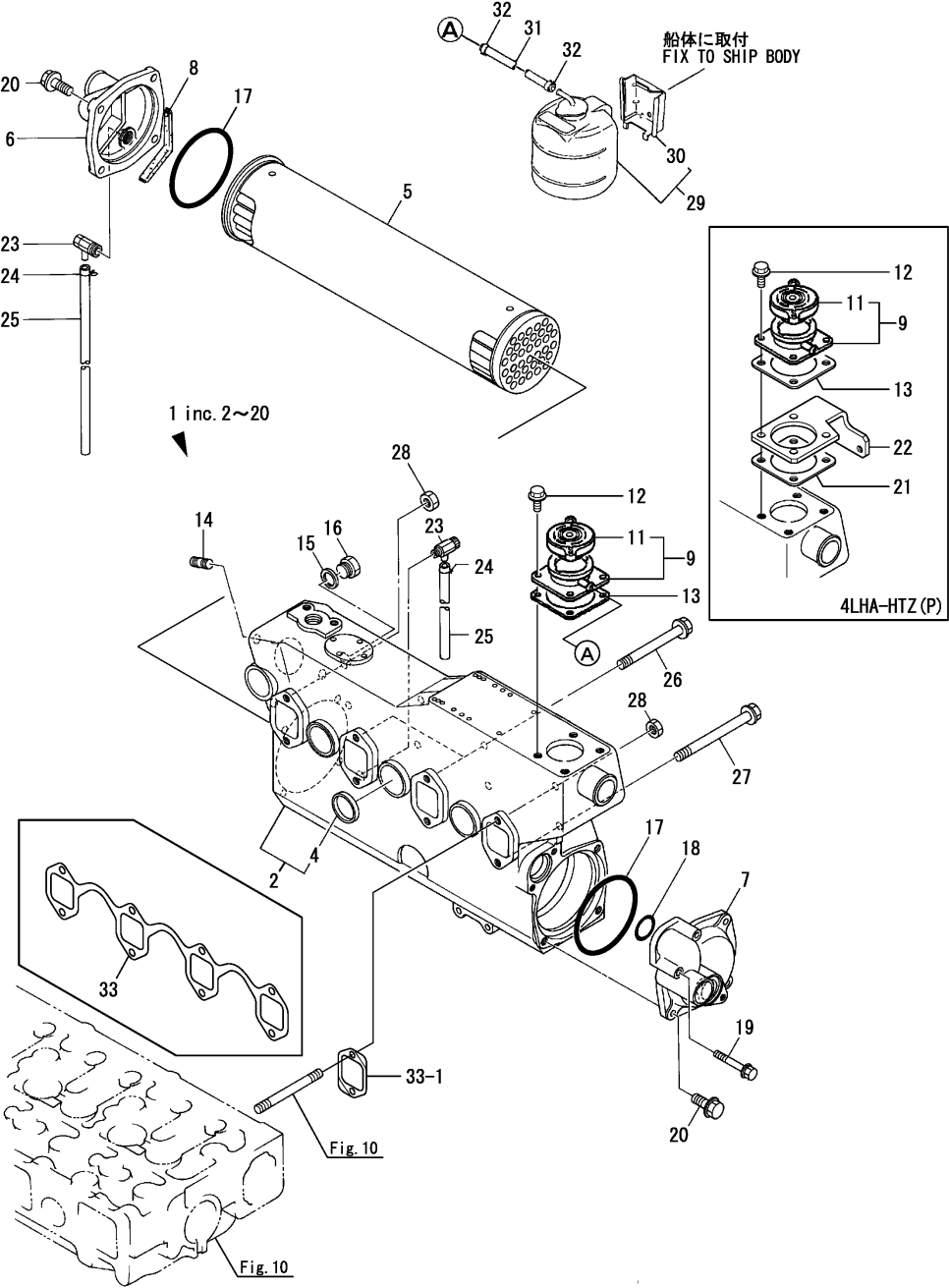
(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119175-44080	COOLER ASSY, WATER	1	1	1	1				4
2	2	119574-44150	ZINC, ANTI-CORROSIVE	2	2	2	2				
3	2	119773-33060	COVER ASSY	1	1	1	1				3
4	2	119574-44180	BOLT, UNC 3/8	2	2	2	2				1
5	2	119175-33080	GASKET	1	1	1	1				2
6	2	119773-33080	GASKET	1	1	1	1				3
7	1	119775-33650	SEAT, RUBBER	2	2	2	2				
8	1	119175-44130	BRACKET	1	1						
8-1	1	119175-44131	BRACKET	1	1	1	1				S
8-2	(A=E50759)	(B=EA0515)									
	1	119173-44131	BRACKET	1	1	1	1				R
	(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)							
9	1	119175-44200	CLAMP, BOLT	2	2	2	2				
10	1	120130-49350	COCK, 1/4	2	2						
10-1	1	119620-49290	COCK ASSY, 1/4	2	2	2	2				N
	(A=E51115)	(B=EA0634)									
11	1	23061-070300	PIPE, 7X 300	2	2	2	2				
12	1	26106-080222	BOLT, M8X 22 PLATED	8	8	8	8				
13	1	26106-080252	BOLT, M8X 25 PLATED	4	4	4	4				
14	1	119175-44180	SUPPORT	1	1						
14-1	1	119175-44181	SUPPORT	1	1	1	1				S
	(A=E50717)	(B=EA0491)									
15	1	720445-44200	TANK ASSY, SUB	1	1	1	1				
17	2	120445-44540	SUPPORT	1	1	1	1				
17A	2	X0225000630	CAP	1	1	1	1				
18	1	124790-44560	PIPE, WATER L=1000	1	1	1	1				
19	1	23010-013000	CLAMP 13	2	2	2	2				
20	1	119175-44080	COOLER ASSY, WATER	1	1	1	1				4
21	2	119175-33320	COVER KIT	1	1	1	1				W
	(A=*2007.04)	(B=*2007.04)	(C=*2007.04)	(D=*2007.04)							
22	3	119175-33330	BOLT, UNC 3/8-16X5/8	1	1	1	1				
23	3	119175-33360	GASKET	1	1	1	1				
23-1	3	119175-33350	O-RING	1	1	1	1				R
	(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)							
24	3	119175-33370	GASKET, 4 INCH	1	1	1	1				
25	3	119175-33390	COVER	1	1	1	1				
26	2	119175-33310	COVER KIT	1	1	1	1				W
	(A=*2007.04)	(B=*2007.04)	(C=*2007.04)	(D=*2007.04)							
27	3	119175-33340	BOLT, UNC 3/8-16X3/4	1	1	1	1				
28	3	119175-33350	O-RING	1	1	1	1				
29	3	119175-33380	GASKET, 4 INCH	1	1	1	1				
30	3	119175-33400	COVER	1	1	1	1				
31	2	119574-44150	ZINC, ANTI-CORROSIVE	2	2	2	2				
32	1	29622-250001	BAND, RF250	2	2	2	2				W
	(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)							

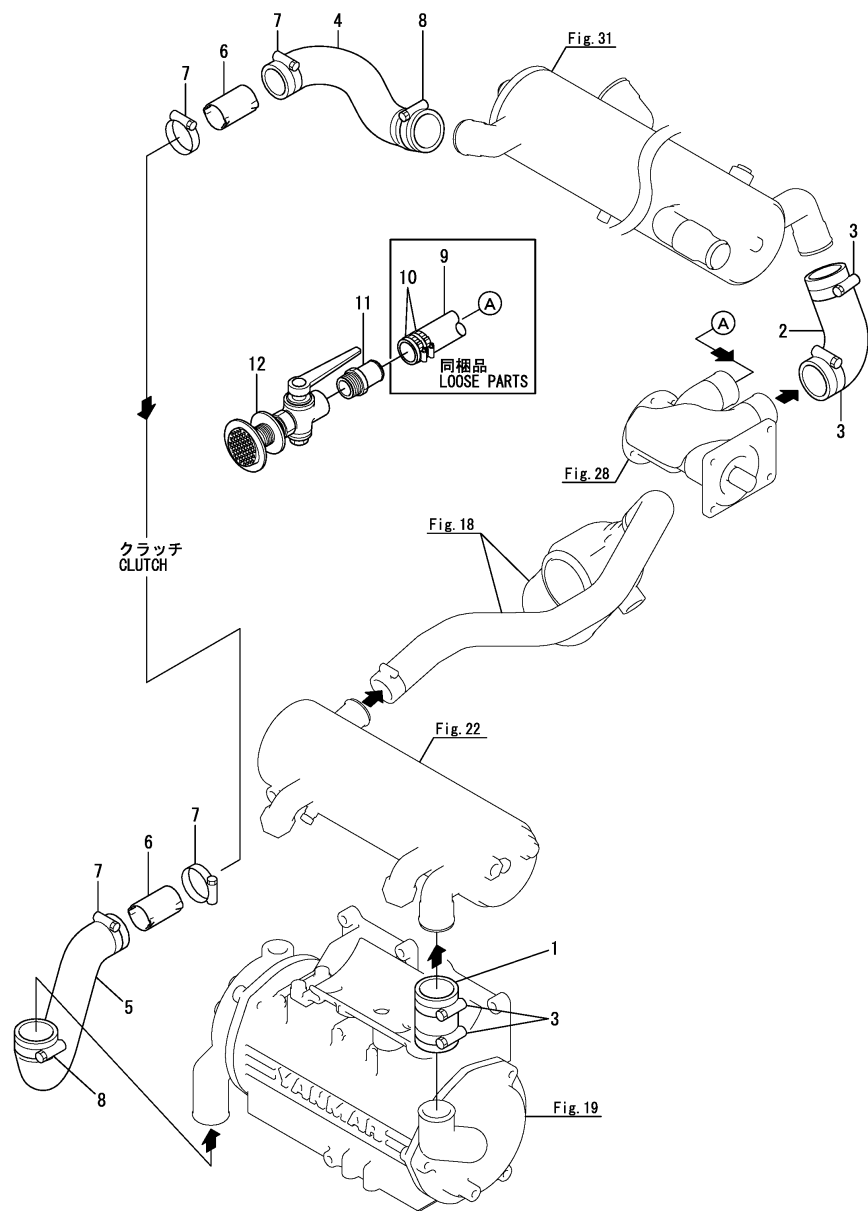
Fig.32. C.F.W.COOLER(4LHA-HT(Z)E(P))

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719172-44500	CORE ASSY, COOLER					1	1		
2	2	119171-44000	COOLER ASSY, WATER					1	1		
4	3	27241-280000	PLUG, 28					4	4		
4-1	3	119773-13160	PLUG, 28					4	4	N	
				(E=*2003.09)			(F=*2003.09)				
5	2	119171-44110	CORE ASSY, COOLER					1	1		
6	2	119172-44440	COVER					1	1		
7	2	119171-44450	COVER, COOLER					1	1		
8	2	119171-44470	GASKET					1	1		
9	2	129171-44600	FILLER ASSY					1	1		
11	3	129107-44590	CAP, RADIATOR					1	1		
12	2	26106-080202	BOLT, M8X 20 PLATED					4	4		
13	2	120445-44640	GASKET					1	1		
14	2	26223-100252	STUD, M10X 25					2	2		
15	2	23414-170000	GASKET, 17X1.0					1	1		
16	2	23894-030002	PLUG, G3/8					1	1		
17	2	24311-001000	O-RING, 1AP100.0					2	2		
18	2	24321-000300	O-RING, 1AG30.0					1	1		
19	2	26106-060502	BOLT, M6X 50 PLATED					2	2		
20	2	26106-080252	BOLT, M8X 25 PLATED					7	7		
21	1	120445-44640	GASKET						1		
22	1	119175-26540	BRACKET						1		
23	1	119620-49290	COCK ASSY, 1/4					2	2		
24	1	124460-77680	RETAINER					2	2		
25	1	23061-070300	PIPE, 7X 300					2	2		
26	1	129693-44320	BOLT					2	2		
27	1	119172-44310	BOLT					4	4		
28	1	26306-080002	NUT, M8					2	2		
29	1	120445-44530	TANK, SUB					1	1		
30	2	120445-44540	SUPPORT					1	1		
31	1	124790-44560	PIPE, WATER L=1000					1	1		
32	1	23010-013000	CLAMP 13					2	2		
33	1	119174-13201	GASKET, COOLER					1	1		
33-1	1	119595-13200	GASKET					4	4	N	
				(E=*2003.09)			(F=*2003.09)				

Fig.33. C.S.W.PIPE(4LHA-STE/DTE(P))



Remarks
(1)Optional.
(2)Packaged parts.

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

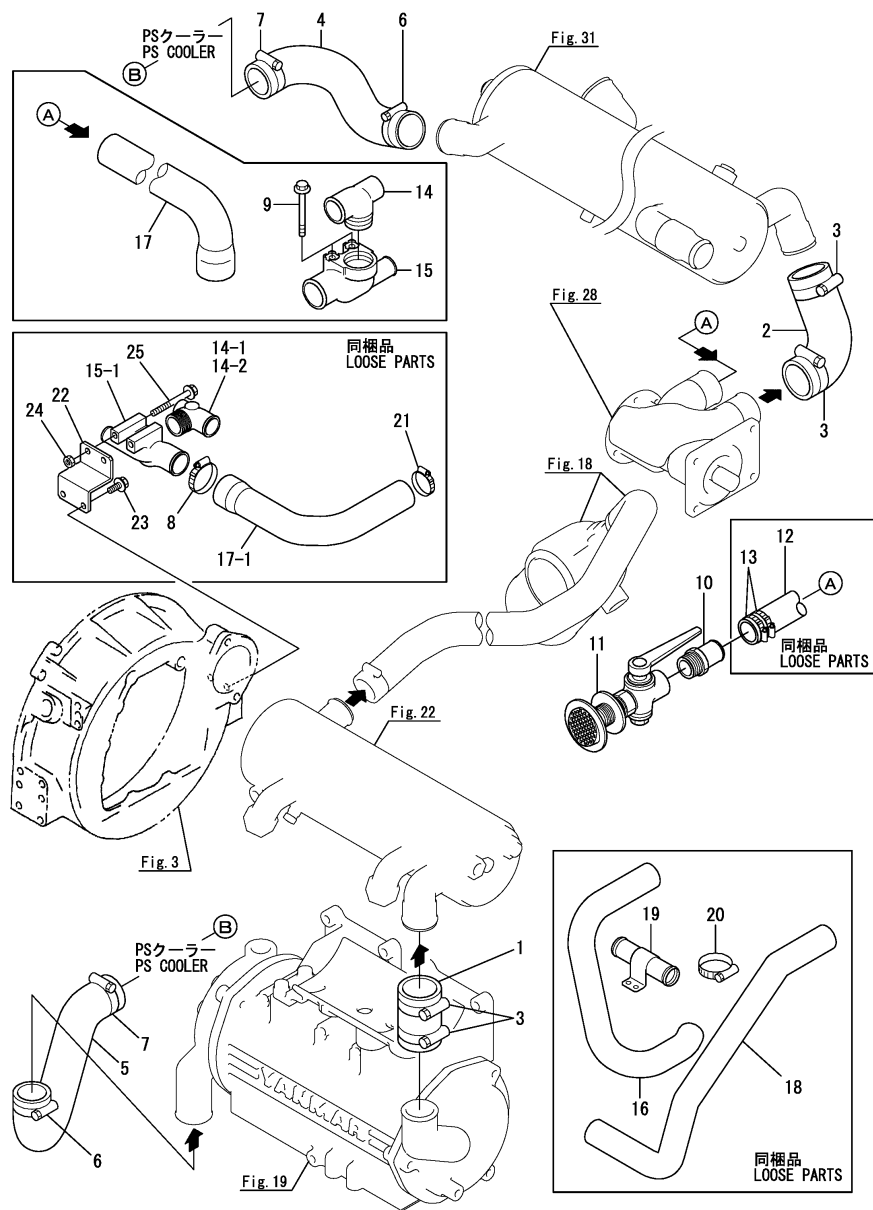
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119175-49030	HOSE	1		1					
2	1	119175-49250	HOSE, WATER	1		1					
3	1	23000-054000	CLAMP, 54	4		4					
4	1	119175-49700	HOSE, GEAR	1							
5	1	119175-49710	HOSE, GEAR	1							
6	1	119181-49741	JOINT	2							
7	1	23000-048000	CLAMP, 48	4							
7-1	1	119172-48480	CLIP, HOSE 48	4							N
(A=EXXXXXX)											
8	1	23000-054000	CLAMP, 54	2							
8-1	1	119172-48540	CLIP, HOSE 54	2							N
(A=EXXXXXX)											
9	1	127610-49010	PIPE, WATER	1		1					2
10	1	23000-054000	CLAMP, 54	4		4					2
10-1	1	119172-48540	CLIP, HOSE 54	4		4					N 2
(A=EXXXXXX)			(C=EXXXXXX)								
11	1	43530-500610	JOINT, PIPE 30A	1		1					1
12	1	43662-030030	COCK ASSY, KINGSTON	1		1					1
12-1	1	43662-030031	COCK ASSY, KINGSTON	1		1					R 1
(A=EXXXXXX)			(C=EXXXXXX)								

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

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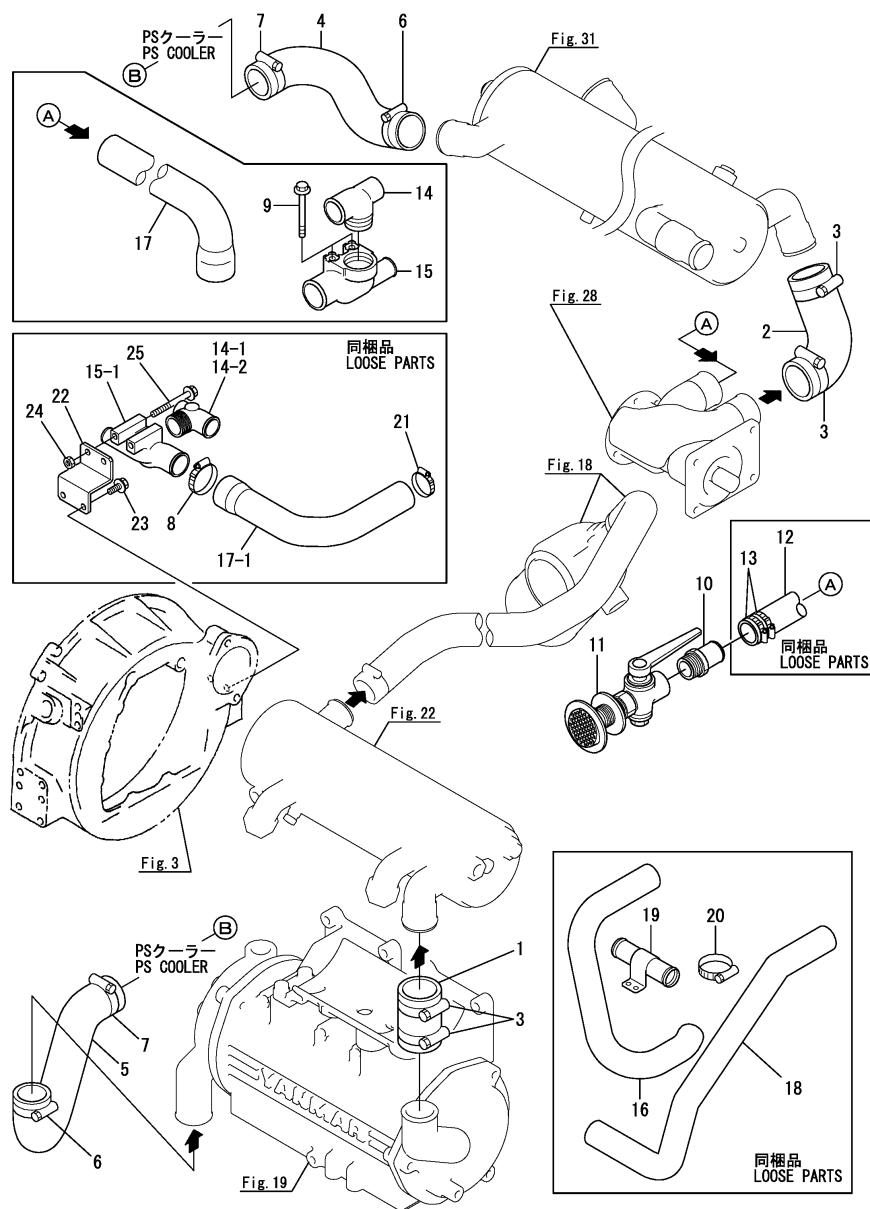
Fig.34. C.S.W.PIPE(4LHA-STZE/DTZE(P))



Remarks
(1)Optional.
(2)Packaged parts.

				(A)=4LHA-STE(P) (B)=4LHA-STZE(P) (C)=4LHA-DTE(P)	(D)=4LHA-DTZE(P) (E)=4LHA-HTE(P) (F)=4LHA-HTZE(P)						
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119175-49030	HOSE		1		1				
2	1	119175-49250	HOSE, WATER		1		1				
3	1	23000-054000	CLAMP, 54		4		4				
3-1	1	119172-48540 (B=EXXXXX)	CLIP, HOSE 54 (D=EXXXXX)		4		4			N	
4	1	119175-49310	PIPE, WATER		1						
4-1	1	119175-49330 (B=EA0836)	HOSE		1		1			R	
5	1	119175-49320	PIPE, WATER		1						
5-1	1	119175-49340 (B=EA0836)	HOSE		1		1			R	
6	1	23000-048000	CLAMP, 48		2		2				
6-1	1	119172-48480 (B=EXXXXX)	CLIP, HOSE 48 (D=EXXXXX)		2		2			N	
7	1	23000-054000	CLAMP, 54		2		2				
7-1	1	119172-48540 (B=EXXXXX)	CLIP, HOSE 54 (D=EXXXXX)		2		2			N	
8	1	23000-060000	CLAMP, 60		1		1				2
9	1	26106-100802 (B=EA0706)	BOLT, M10X 80 PLATED		2					Z	2
10	1	43530-500610	JOINT, PIPE 30A		1		1				1
11	1	43662-030030	COCK ASSY, KINGSTON		1		1				1
11-1	1	43662-030031 (B=EXXXXX)	COCK ASSY, KINGSTON (D=EXXXXX)		1		1			N	1
12	1	127610-49010	PIPE, WATER		1		1				2
13	1	23000-054000	CLAMP, 54		4		4				2
13-1	1	119172-48540 (B=EXXXXX)	CLIP, HOSE 54 (D=EXXXXX)		4		4			N	2
14	1	119773-48640	JOINT		1						2
14-1	1	119775-48640	JOINT		1		1			R	2
14-2	1	119773-48640 (B=*2001.09)	JOINT (D=EXXXXX)		1		1			R	2
15	1	119778-49050	JOINT		1						2
15-1	1	119779-49050 (B=*2001.09)	JOINT, 3-WAY		1		1			R	2
16	1	119778-49150	PIPE, WATER		1						2
16-1	1	119779-49150 (B=*2001.04)	HOSE, DRIVE		1		1			R	2
17	1	119793-49150 (B=EA0706)	PIPE, WATER		1					Z	2
17-1	1	119175-49160 (B=EA0706)	PIPE, WATER		1		1			W	2
18	1	119778-49170	PIPE, WATER		1						2
18-1	1	119172-49190 (B=*2001.04)	HOSE		1		1			R	2
19	1	119778-49200	JOINT		1		1				2
20	1	23000-041000	CLAMP, 41		4		4				2
20-1	1	119172-48410 (B=EXXXXX)	CLIP, HOSE 41 (D=EXXXXX)		4		4			N	2
21	1	23000-054000	CLAMP, 54		1		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
 ++ CONTINUE ++
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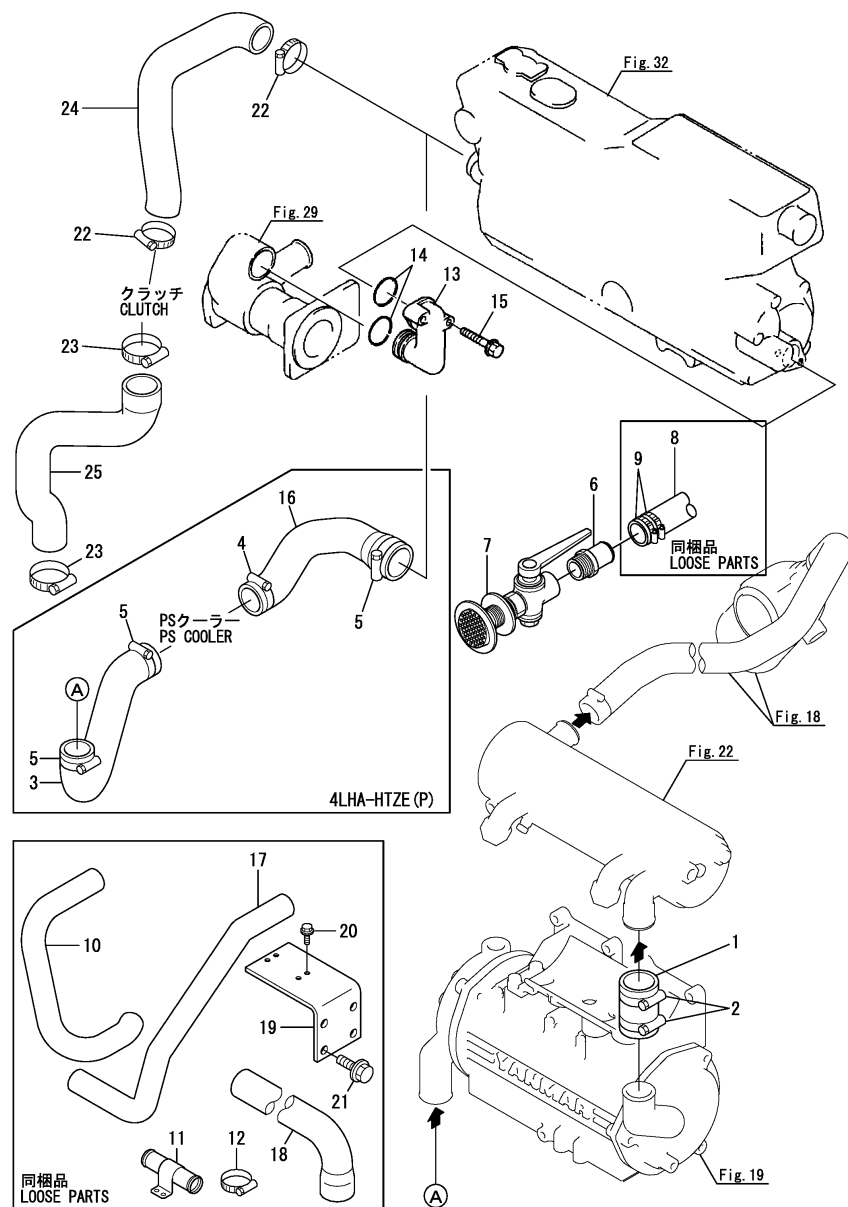


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
21-1	1	119172-48540	CLIP, HOSE 54 (B=EXXXXX) (D=EXXXXX)		1		1			N	2
22	1	119175-49180	BRACKET (B=EA0706)		1		1			W	2
23	1	26106-100252	BOLT, M10X 25 PLATED (B=EA0706)		2		2			W	2
24	1	26306-100002	NUT, M10 (B=EA0706)		2		2			W	2
25	1	26106-100902	BOLT, M10X 90 PLATED (B=EA0706)		2		2			W	2

Remarks
(1)Optional.
(2)Packaged parts.

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
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Fig.35. C.S.W.PIPE(4LHA-HT(Z)E(P))



Remarks
(1)Optional.
(2)Packaged parts.

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

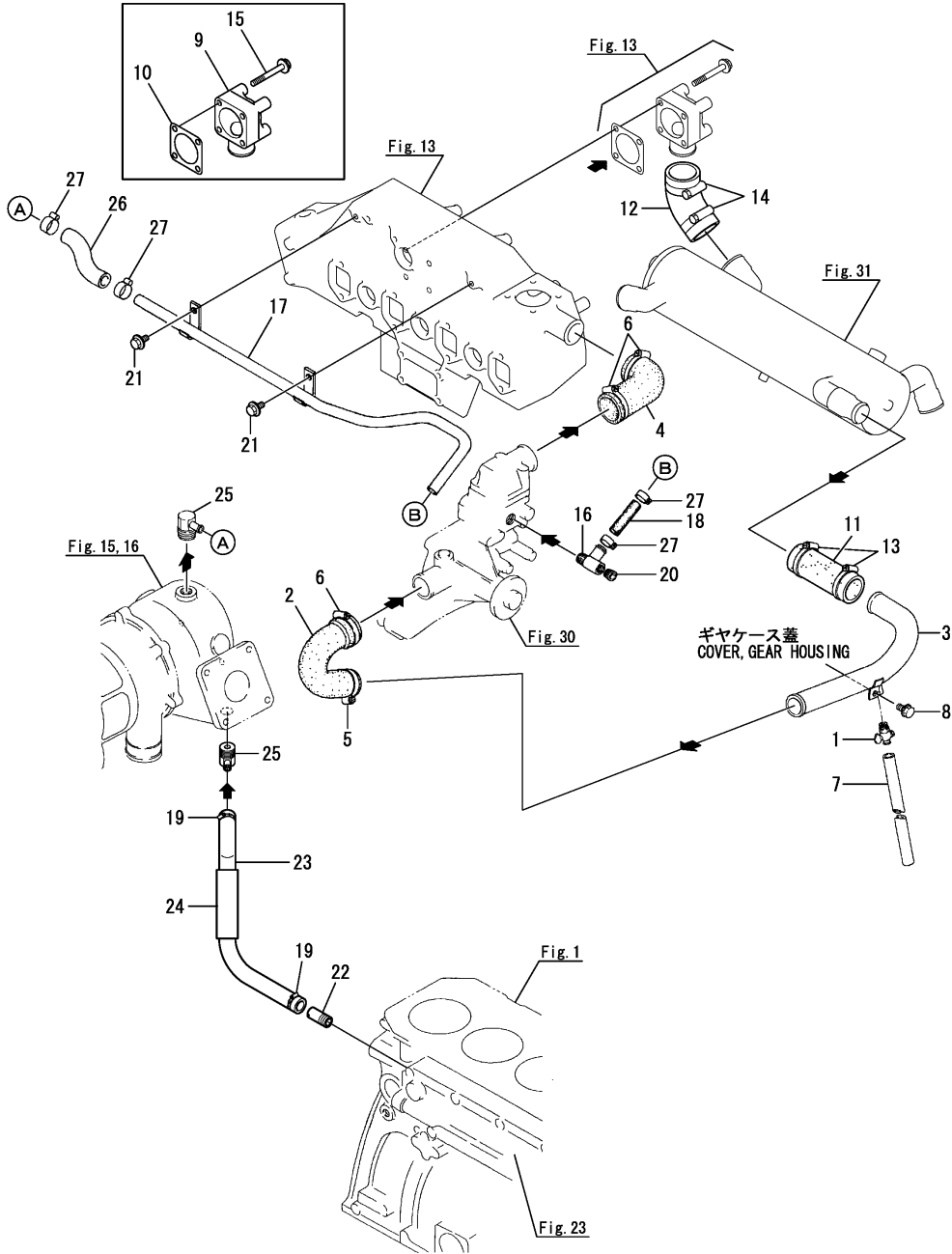
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119175-49030	HOSE					1	1		
2	1	23000-054000	CLAMP, 54					2	2		
2-1	1	119172-48480	CLIP, HOSE 48					2	2	N	
				(E=EXXXXXX)				(F=EXXXXXX)			
3	1	119175-49340	HOSE					1	1		
4	1	23000-048000	CLAMP, 48					1	1		
4-1	1	119172-48480	CLIP, HOSE 48					1	1	N	
								(F=EXXXXXX)			
5	1	23000-054000	CLAMP, 54					3	3		
5-1	1	119172-48480	CLIP, HOSE 48					3	3	N	
								(F=EXXXXXX)			
6	1	43530-500610	JOINT, PIPE 30A					1	1		1
7	1	43662-030030	COCK ASSY, KINGSTON					1	1		1
7-1	1	43662-030031	COCK ASSY, KINGSTON					1	1	N	1
				(E=EXXXXXX)				(F=EXXXXXX)			
8	1	23072-122000	HOSE, 12X2000					1	1		2
9	1	23000-048000	CLAMP, 48					2	2		2
9-1	1	119172-48480	CLIP, HOSE 48					2	2	N	2
				(E=EXXXXXX)				(F=EXXXXXX)			
10	1	119779-49150	HOSE, DRIVE					1	1		2
11	1	119778-49200	JOINT					2	2		2
12	1	23000-041000	CLAMP, 41					6	6		2
12-1	1	119172-48410	CLIP, HOSE 41					6	6	N	2
								(F=EXXXXXX)			
13	1	119171-49070	BEND					1	1		
14	1	24321-000300	O-RING, 1AG30.0					2	2		
15	1	26106-060352	BOLT, M6X 35 PLATED					2	2		
16	1	119172-49310	PIPE, WATER					1	1		
17	1	119172-49190	HOSE					1	1		2
18	1	119172-49170	PIPE, WATER					1	1		2
19	1	119172-49130	BRACKET					1	1		2
20	1	26106-060102	BOLT, M6X 10 PLATED					8	8		2
21	1	26106-100252	BOLT, M10X 25 PLATED					4	4		2
22	1	23000-048000	CLAMP, 48					2	2		1
22-1	1	119172-48480	CLIP, HOSE 48					2	2	N	1
				(E=EXXXXXX)							
23	1	23000-054000	CLAMP, 54					2	2		1
24	1	119172-49600	HOSE, CLUTCH					1	1		1
25	1	119172-49610	HOSE, CLUTCH					1	1		1

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

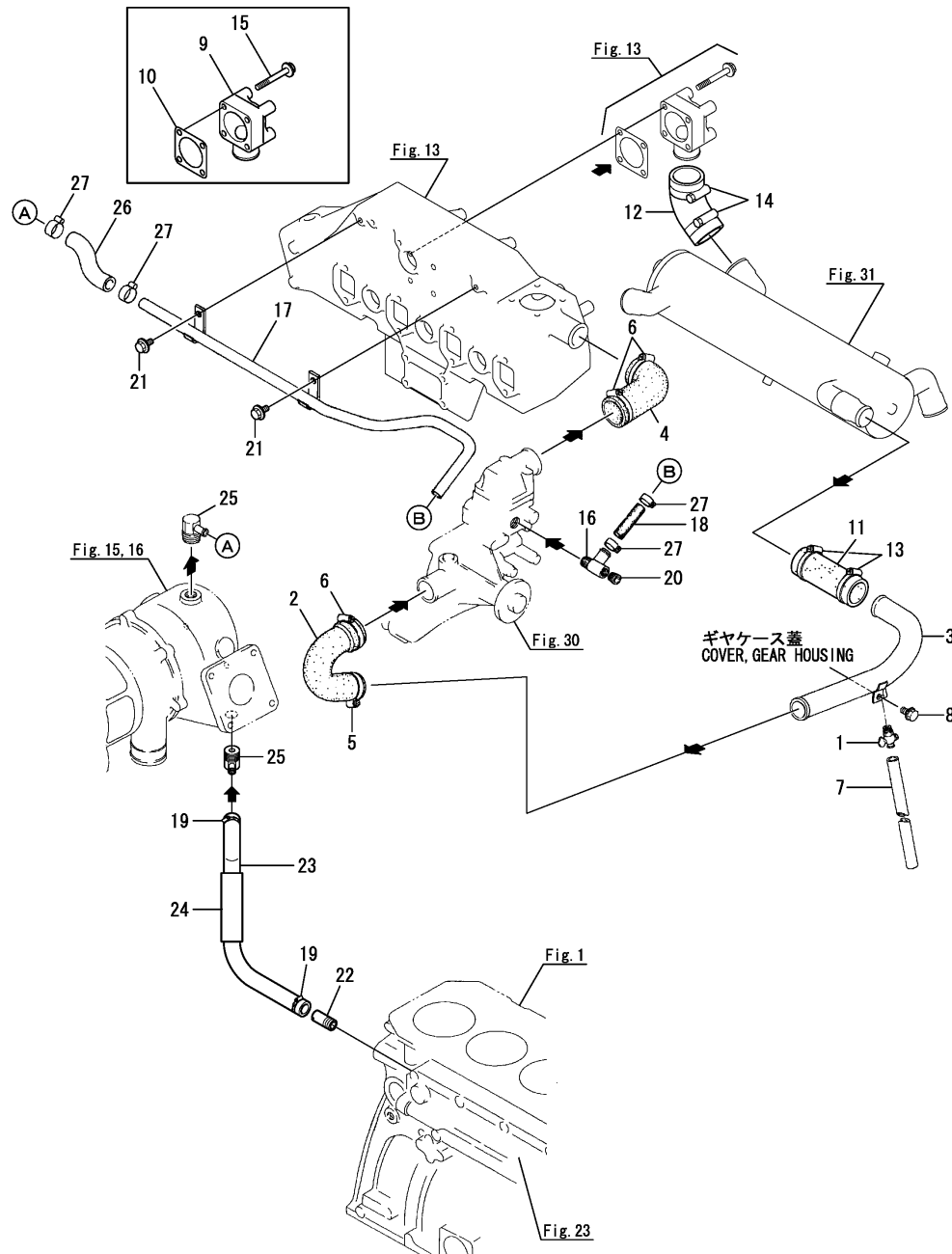
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Fig.36. C.F.W.PIPE(4LHA-ST/DT(Z)E(P))

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

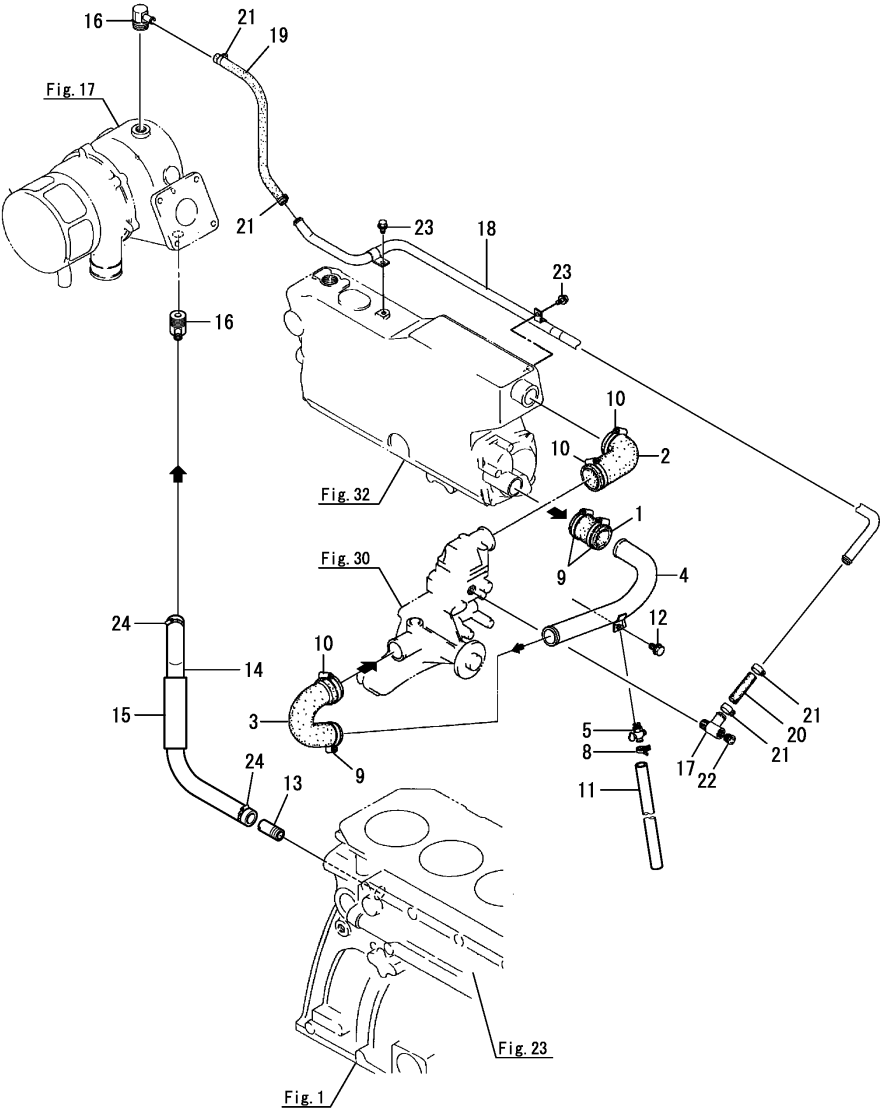


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128695-44090	COCK	1	1						
1-1	1	129670-49290	COCK ASSY, R1/8	1	1	1	1			N	
(A=E50717) (B=EA0491)											
2	1	119171-49240	JOINT, RUBBER 32/38	1	1	1	1				
3	1	119171-49250	PIPE, WATER	1	1	1	1				
4	1	119174-49250	JOINT, RUBBER 38	1	1					Z	
(A=E51645) (B=EA0836)											
4-1	1	119175-49210	HOSE	1	1	1	1			W	
(A=E51645) (B=EA0836)											
4-2	1	119174-49250	JOINT, RUBBER 38	1	1	1	1			N	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
5	1	23000-048000	CLAMP, 48	1	1	1	1				
6	1	23000-054000	CLAMP, 54	3	3	3	3				
7	1	23061-070300	PIPE, 7X 300	1	1	1	1				
8	1	26106-080162	BOLT, M8X 16 PLATED	1	1	1	1				
9	1	119175-49100	BEND	1	1	1	1			Z	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
10	1	119175-49120	GASKET	1	1	1	1			Z	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
11	1	119175-49150	HOSE	1	1	1	1				
12	1	119175-49200	HOSE	1	1	1	1				
13	1	23000-048000	CLAMP, 48	2	2	2	2				
13-1	1	119172-48410	CLIP, HOSE 41	2	2	2	2			N	
(A=*2002.03) (B=*2002.03) (C=*2002.03) (D=*2002.03)											
14	1	23000-054000	CLAMP, 54	2	2	2	2				
14-1	1	119172-48480	CLIP, HOSE 48	2	2	2	2			N	
(A=*2002.03) (B=*2002.03) (C=*2002.03) (D=*2002.03)											
15	1	26106-080652	BOLT, M8X 65 PLATED	4	4	4	4			Z	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
16	1	119187-49331	JOINT	1	1	1	1				
17	1	119174-49341	PIPE, WATER	1	1	1	1				
18	1	119187-49360	HOSE, RUBBER	1	1					Z	
(A=E51645) (B=EA0836)											
18-1	1	119175-49370	HOSE	1	1	1	1			W	
(A=E51645) (B=EA0836)											
18-2	1	119187-49360	HOSE, RUBBER	1	1	1	1			N	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
19	1	23000-025000	CLAMP, 25	2	2	2	2				
19-1	1	119172-48250	CLIP, HOSE 25	2	2	2	2			N	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
20	1	23871-030000	PLUG, R03	1	1						
20-1	1	23875-030000	PLUG, R03	1	1	1	1			N	
(A=E50582) (B=EA0421)											
21	1	26106-080162	BOLT, M8X 16 PLATED	2	2	2	2				
22	1	104407-44480	JOINT	1	1	1	1				
23	1	119175-49300	HOSE	1	1	1	1				
24	1	119174-49310	PROTECTOR	1	1	1	1				
25	1	119187-49321	JOINT	2	2	2	2				
26	1	119175-49350	HOSE	1	1	1	1				
26-1	1	119187-49350	HOSE, RUBBER	1	1	1	1			R	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											



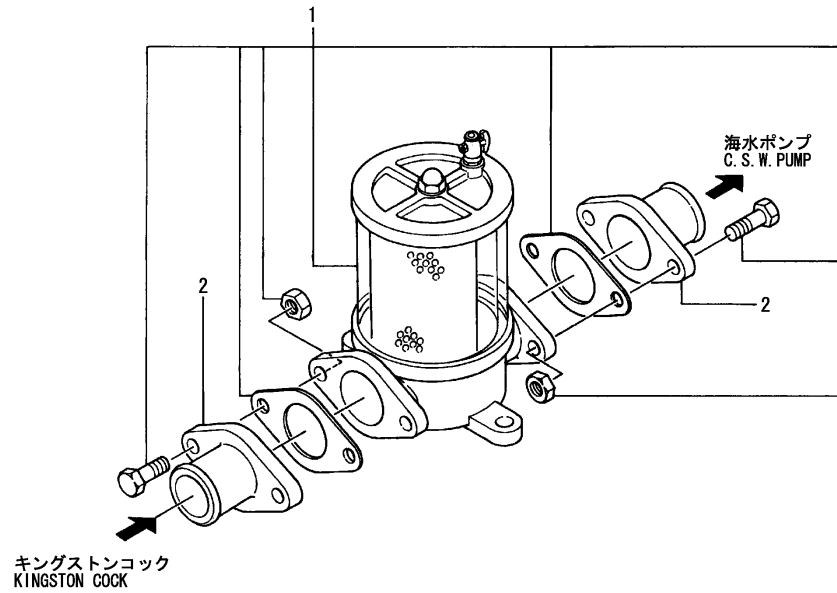
No.	Lev.	Parts No.	Description	(A)=4LHA-STE(P) (B)=4LHA-STZE(P) (C)=4LHA-DTE(P)		(D)=4LHA-DTZE(P) (E)=4LHA-HTE(P) (F)=4LHA-HTZE(P)				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
27	1	23000-025000	CLAMP, 25	4	4	4	4				
27-1	1	119172-48250	CLIP, HOSE 25	4	4	4	4				N
	(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)							

Fig.37. C.F.W.PIPE(4LHA-HT(Z)E(P))



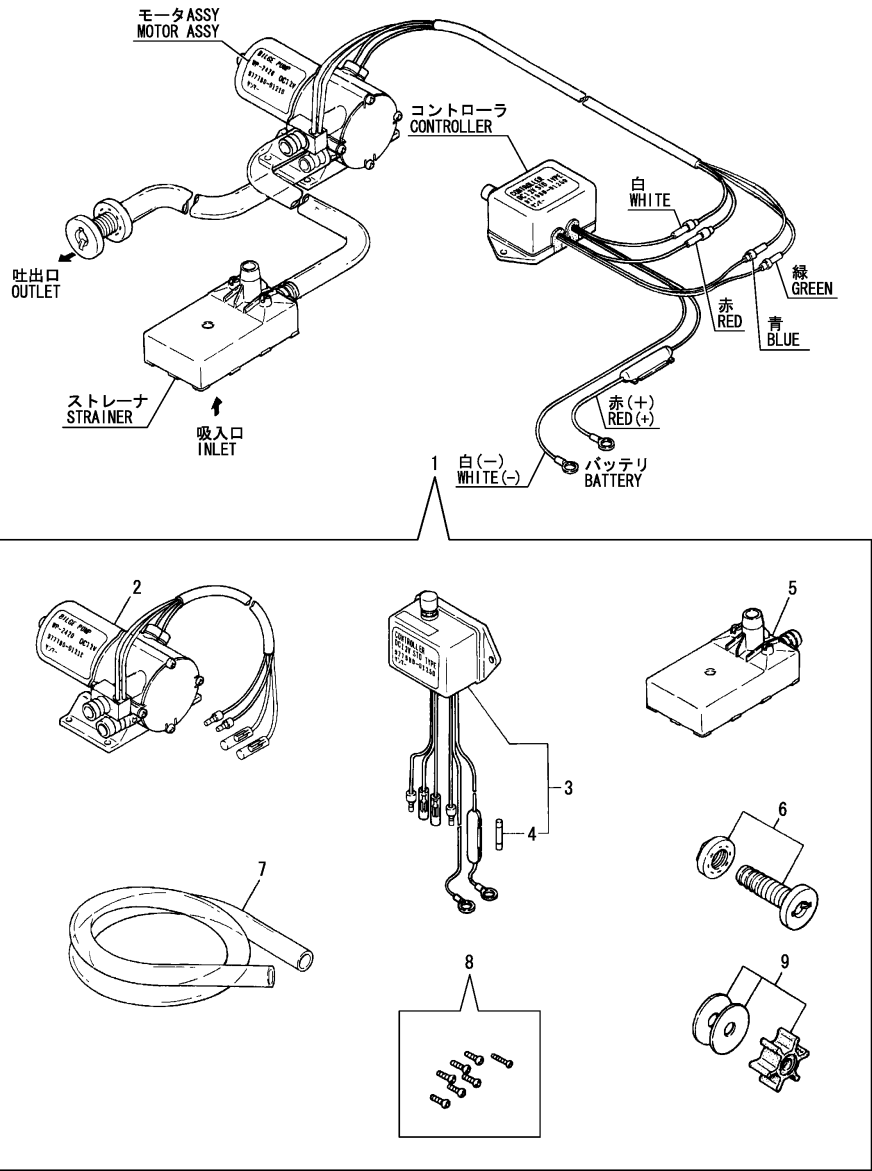
(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120445-49150	JOINT, RUBBER					1	1		
2	1	119171-49200	JOINT, RUBBER 38					1	1		
3	1	119171-49240	JOINT, RUBBER 32/38					1	1		
4	1	119171-49250	PIPE, WATER					1	1		
5	1	129670-49290	COCK ASSY, R1/8					1	1		
8	1	124460-77680	RETAINER					1	1		
9	1	23000-048000	CLAMP, 48					3	3		
9-1	1	119172-48480	CLIP, HOSE 48					3	3	R	
				(E=FROM 1ST)				(F=FROM 1ST)			
9-2	1	119172-48410	CLIP, HOSE 41					3	3	N	
				(E=EXXXXX)				(F=EXXXXX)			
10	1	23000-054000	CLAMP, 54					3	3		
10-1	1	119172-48540	CLIP, HOSE 54					3	3	R	
				(E=FROM 1ST)				(F=FROM 1ST)			
10-2	1	119172-48480	CLIP, HOSE 48					3	3	N	
				(E=EXXXXX)				(F=EXXXXX)			
11	1	23061-070300	PIPE, 7X 300					1	1		
12	1	26106-080162	BOLT, M8X 16 PLATED					1	1		
13	1	104407-44480	JOINT					1	1		
14	1	119175-49300	HOSE					1	1		
15	1	119174-49310	PROTECTOR					1	1		
16	1	119187-49321	JOINT					2	2		
17	1	119187-49331	JOINT					1	1		
18	1	119187-49340	PIPE, WATER					1	1		
19	1	119172-49350	HOSE, RUBBER					1	1		
19-1	1	119172-49360	HOSE					1	1	R	
				(E=EXXXXX)				(F=EXXXXX)			
20	1	119175-49370	HOSE					1	1		
20-1	1	119187-49360	HOSE, RUBBER					1	1	N	
				(E=EXXXXX)				(F=EXXXXX)			
21	1	23000-025000	CLAMP, 25					4	4		
21-1	1	119172-48250	CLIP, HOSE 25					4	4	R	
				(E=FROM 1ST)				(F=FROM 1ST)			
22	1	23875-030000	PLUG, R03					1	1		
23	1	26106-060122	BOLT, M6X 12 PLATED					2	2		
24	1	23000-025000	CLAMP, 25					2	2		
24-1	1	119172-48250	CLIP, HOSE 25					2	2	R	
				(E=FROM 1ST)				(F=FROM 1ST)			



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	127611-48600	STRAINER	1	1	1	1	1	1		
2	1	119171-48610	JOINT, PIPE	2	2	2	2	2	2		

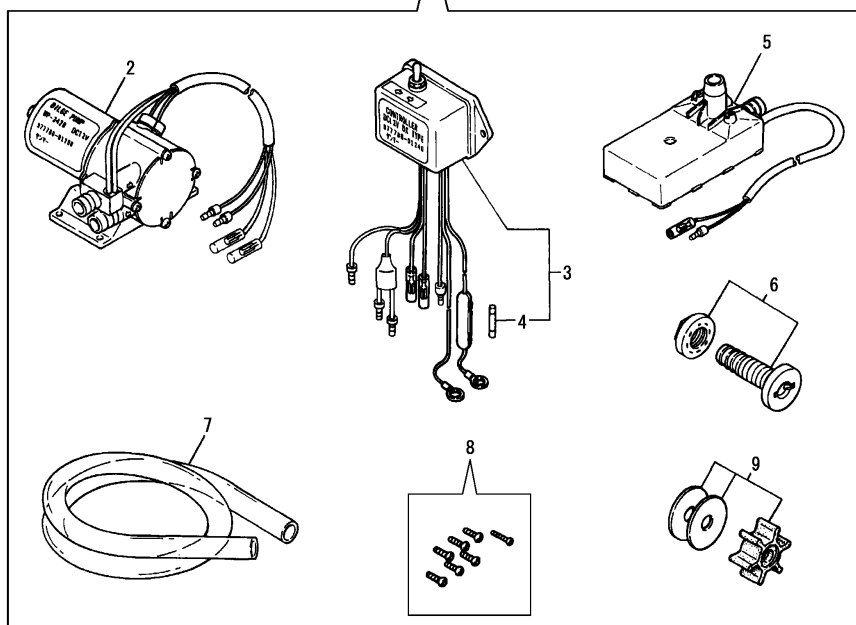
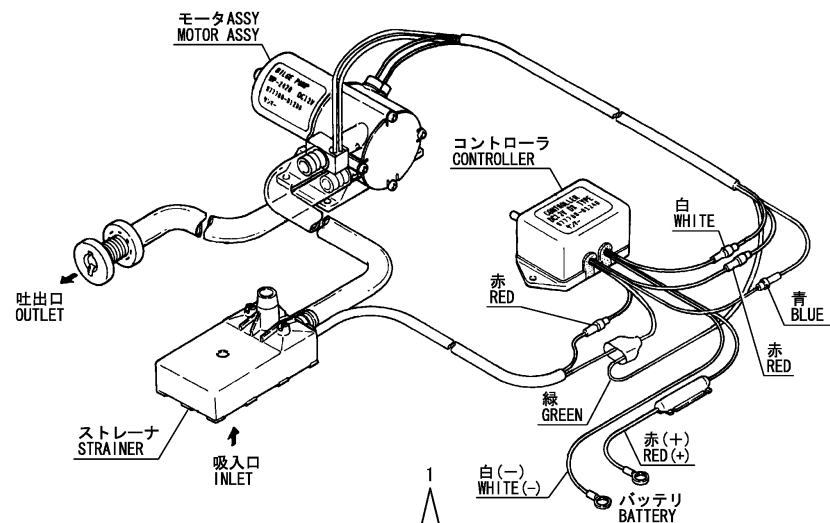
Fig.39. BILGE PUMP(STD,OPTIONAL)(UP TO EXXXXX)



Remarks
(1)Component parts:Refer to Fig.(40A)

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	977780-01210	PUMP(12V).BILGE	1	1	1	1	1	1		
1-1	1	977780-01211	PUMP,BILGE (12V	1	1	1	1	1	1	N	1
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)	(E=EXXXXX)	(F=EXXXXX)				
2	2	977780-01230	MOTOR ASSY(BILG PUMP	1	1	1	1	1	1		
3	2	977780-01250	CONTROLLER	1	1	1	1	1	1		
4	3	X8636008003	FUSE	1	1	1	1	1	1		
5	2	X179100021X	STRAINER	1	1	1	1	1	1		
6	2	X179100100X	PIPE ASSY	1	1	1	1	1	1		
7	2	X0044021509	HOSE A	1	1	1	1	1	1		
8	2	X199903800X	SCREW KIT	1	1	1	1	1	1		
9	2	977780-03000	INPELLER	1	1	1	1	1	1		



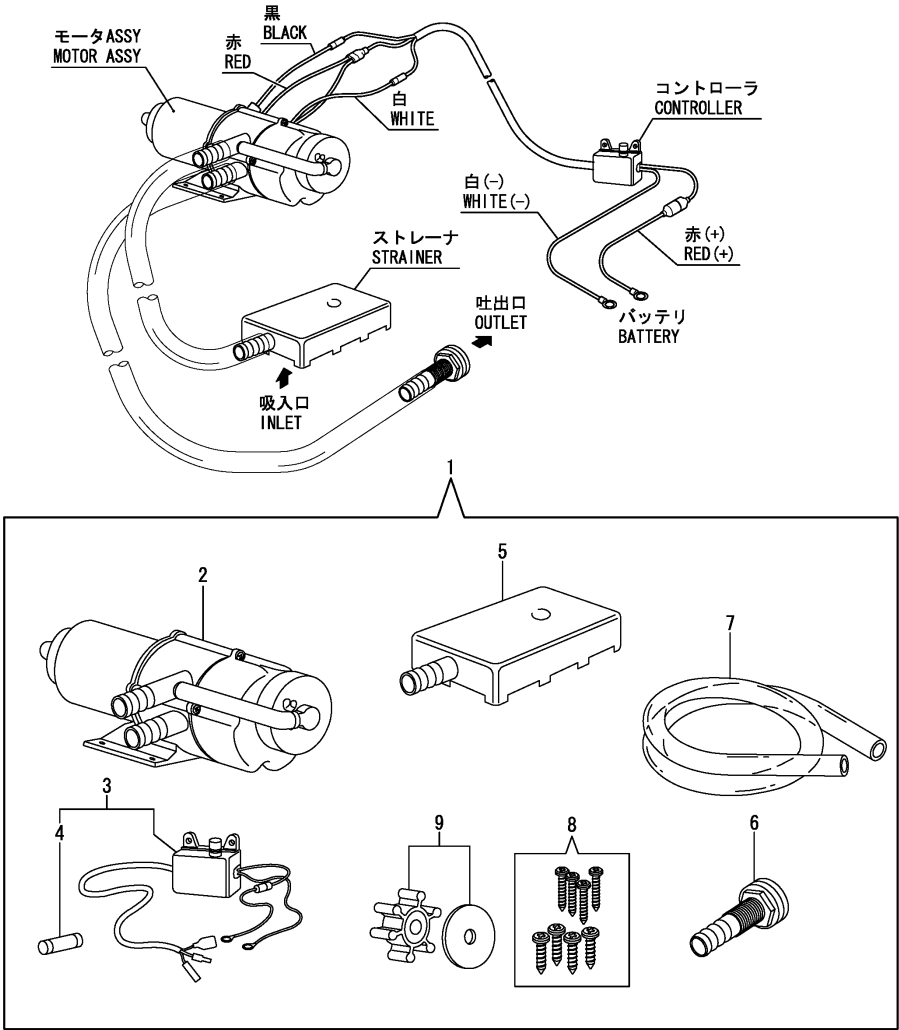
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	977780-01200	PUMP(12V).BILGE	1	1	1	1	1	1		
1-1	1	977780-01211	PUMP,BILGE (12V	1	1	1	1	1	1	N	1
		(A=EXXXXXX)	(B=EXXXXXX)	(C=EXXXXXX)	(D=EXXXXXX)	(E=EXXXXXX)	(F=EXXXXXX)				
2	2	977780-01230	MOTOR ASSY(BILG PUMP	1	1	1	1	1	1		
3	2	977780-01240	CONTROLLER	1	1	1	1	1	1		
4	3	X8636008003	FUSE	1	1	1	1	1	1		
5	2	X179100011X	STRAINER	1	1	1	1	1	1		
6	2	X179100100X	PIPE ASSY	1	1	1	1	1	1		
7	2	X0044021509	HOSE A	1	1	1	1	1	1		
8	2	X199903800X	SCREW KIT	1	1	1	1	1	1		
9	2	977780-03000	INPELLER	1	1	1	1	1	1		

Remarks
(1)Component parts:Refer to Fig.(40A)

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
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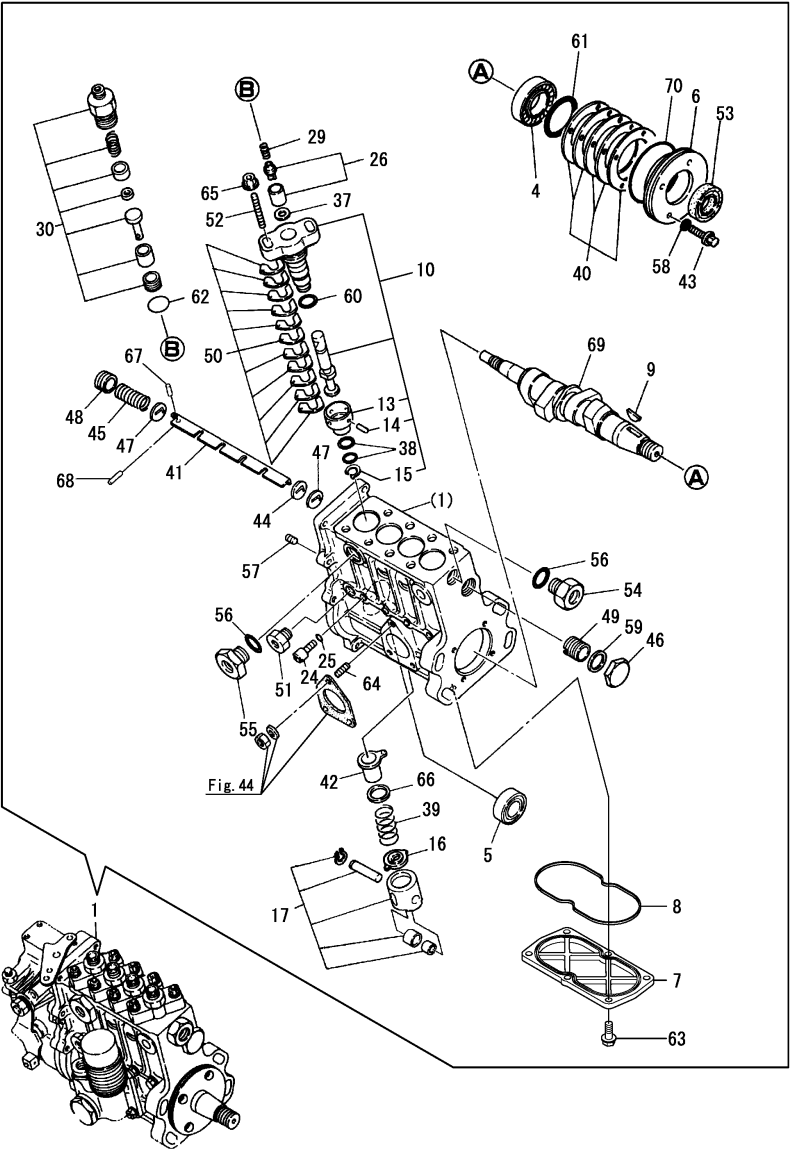
Fig.73. (40A)BILGE PUMP(OPTIONAL)(FROM EXXXXX)

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	977780-01211	PUMP,BILGE (12V (A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)	1	1	1	1	1		W	
2	2	X0318101004	MOTOR ASSY, BILGE	1	1	1	1	1			
3	2	X158606410X	SWITH	1	1	1	1	1			
4	3	X8636015001	FUSE	1	1	1	1	1			
5	2	X179100022X	STRAINER	1	1	1	1	1			
6	2	X179100100X	PIPE ASSY	1	1	1	1	1			
7	2	X0044021509	HOSE A	1	1	1	1	1			
8	2	X199906101X	SCREW SET	1	1	1	1	1			
9	2	977780-03000	INPELLER	1	1	1	1	1			

Fig.41. FUEL INJECTION PUMP(4LHA-ST/DT(Z)E(P))

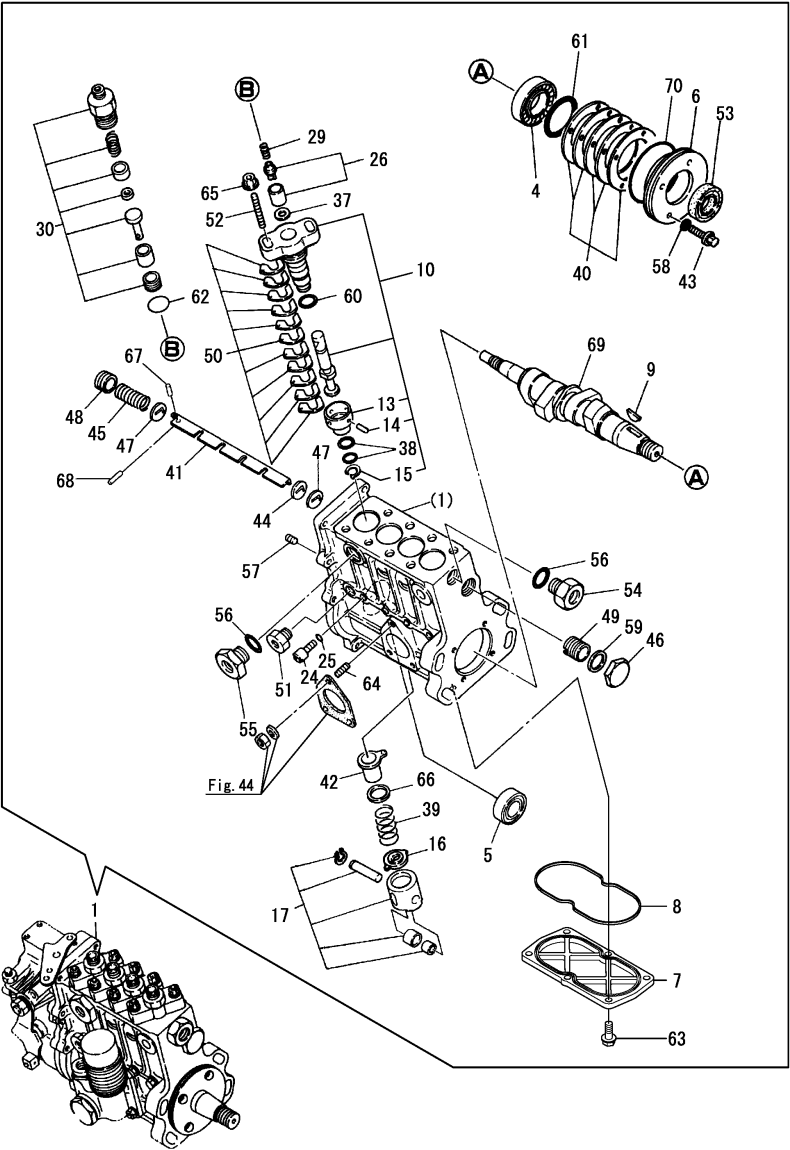


Remarks
(1)Governor(Fig.43) & Fuel Feed Pump(Fig.44) is incorporated in this Fuel Injection Pump(No.1, 1A).

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719175-51310	FIE ASSY	1	1						1
1A	1	719173-51310	PUMP ASSY, INJECTION			1	1				1
4	2	119000-51050	BEARING, HR32005XJ	1	1	1	1				
5	2	122710-51050	BEARING, HR30203J	1	1	1	1				
6	2	119000-51060	SUPPORT, BEARING A	1	1	1	1				
7	2	119100-51081	COVER	1	1	1	1				
8	2	119100-51091	GASKET	1	1	1	1				
9	2	144626-51090	FEATHER KEY, 5X19	1	1	1	1				
10	2	119593-51100	PLUNGER ASSY	4	4	4	4				
13	3	119000-51151	PROTECTOR	4	4	4	4				
14	3	119000-51430	PIN	4	4	4	4				
15	3	22242-000200	RING, 20	4	4	4	4				
16	2	119000-51181	SEAT, SPRING B	4	4	4	4				
17	2	119573-51200	TAPPET ASSY	4	4	4	4				
24	2	129155-51270	STOPPER, TAPPET	4	4	4	4				
24-1	2	158600-51270	STOPPER, TAPPET	4	4	4	4				R
(A=*2009.09.) (B=*2009.09.) (C=*2009.09.) (D=*2009.09.)											
25	2	129155-51280	O-RING, S6	4	4	4	4				
26	2	119593-51300	VALVE ASSY, DELIVERY	4	4	4	4				
29	2	119000-51330	SPRING, DELIVERY	4	4	4	4				
30	2	119175-51340	VALVE ASSY, DELIVERY	4	4	4	4				
37	2	122710-51350	GASKET	4	4	4	4				
38	2	119000-51410	O-RING, S18	8	8	8	8				
38-1	2	119000-51411	O-RING	8	8	8	8				N
(A=*2005.11.) (B=*2005.11.) (C=*2005.11.) (D=*2005.11.)											
39	2	119000-51161	SPRING, PLUNGER	4	4	4	4				
40	2	119000-51450	SHIM SET, CAMSHAFT	1	1	1	1				
41	2	119187-51500	RACK, CONTROL	1	1	1	1				
42	2	119000-51510	SLEEVE, CONTROL	4	4						
42-1	2	119000-51511	SLEEVE, CONTROL	4	4	4	4				R
(A=E50448) (B=EA0401)											
43	2	119175-51070	BOLT, M6X20	4	4	4	4				
44	2	119593-51520	WASHER	1	1	1	1				
45	2	119593-51530	SPRING, RACK	1	1	1	1				
46	2	119000-51550	COVER	1	1	1	1				
47	2	119000-51570	GUIDE, RACK	2	2	2	2				
48	2	119000-51580	SCREW	1	1	1	1				
49	2	119000-51590	SCREW	1	1	1	1				
50	2	119000-51650	SHIM SET, ADJUSTING	8	8	8	8				
51	2	121850-51700	BUSH	1	1	1	1				
52	2	119000-51800	BOLT	8	8	8	8				
53	2	119000-51900	SEAL, AC1290E0	1	1	1	1				
54	2	121952-51900	PLUG	1	1	1	1				
55	2	121952-51900	PLUG	1	1	1	1				
56	2	144626-51950	O-RING, 1016	2	2	2	2				
56-1	2	24356-190160	O-RING, 4D19016	2	2	2	2				N
(A=*2005.11.) (B=*2005.11.) (C=*2005.11.) (D=*2005.11.)											
57	2	137600-53900	SCREW, M6X6	1	1	1	1				
58	2	22190-060000	WASHER, SEAL 6	4	4	4	4				
59	2	23414-220029	GASKET, 22X1.0	1	1	1	1				
60	2	24341-000260	O-RING, 1AS26.0	4	4	4	4				

Fig.41. FUEL INJECTION PUMP(4LHA-ST/DT(Z)E(P))

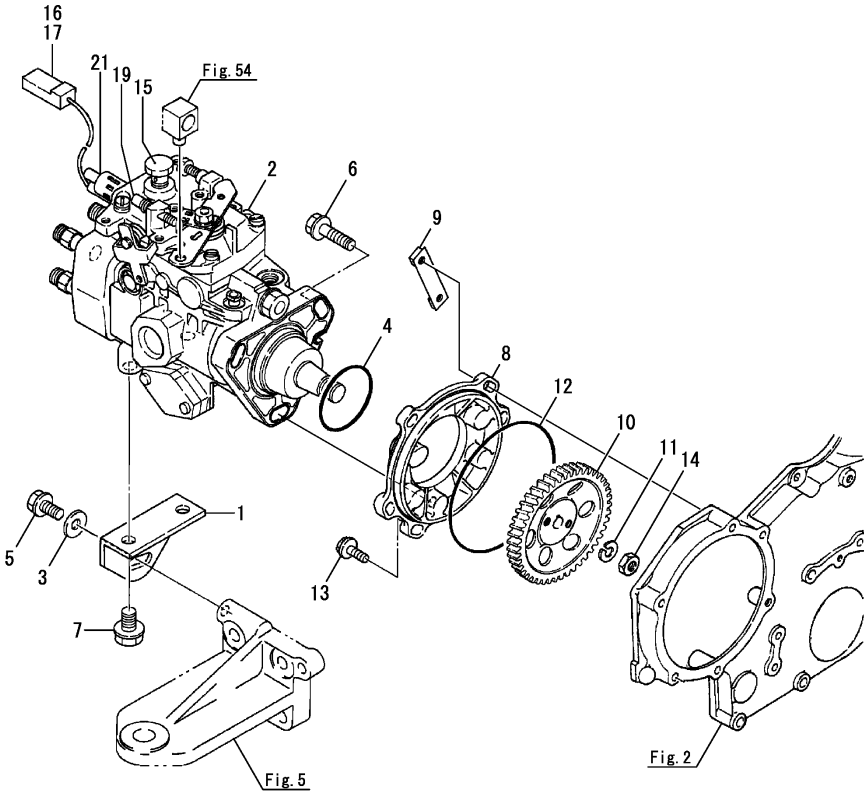


(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
60-1	2	158563-51662	O-RING, 4D S26	4	4	4	4				N
		(A=*2005.11.) (B=*2005.11.) (C=*2005.11.) (D=*2005.11.)									
61	2	24341-000500	O-RING, 1AS50.0	1	1	1	1				
62	2	24352-010160	O-RING	4	4	4	4				
62-1	2	24356-190160	O-RING, 4D19016	4	4	4	4				N
		(A=*2005.11.) (B=*2005.11.) (C=*2005.11.) (D=*2005.11.)									
62-2	2	24356-190150	O-RING, 4D19015	4	4	4	4				N
		(A=*2010.10.) (B=*2010.10.) (C=*2010.10.) (D=*2010.10.)									
63	2	26106-060182	BOLT, M6X 18 PLATED	6	6	6	6				
64	2	26216-060162	STUD, M6X 16	3	3	3	3				
64-1	2	129155-51020	BOLT, STUD	3	3	3	3				N
		(A=*2011.11.) (B=*2011.11.) (C=*2011.11.) (D=*2011.11.)									
65	2	26366-080002	NUT, M8	8	8	8	8				
66	2	119000-51170	SEAT, SPRING A	4	4	4	4				
67	2	22351-020008	PIN, SPRING 2.0X 8	1	1	1	1				
68	2	22351-020012	PIN, SPRING 2.0X12	1	1	1	1				
69	2	119175-51030	CAMSHAFT	1	1	1	1				
70	2	124410-51960	O-RING	1	1	1	1				W
		(A=*2010.07.) (B=*2010.07.) (C=*2010.07.) (D=*2010.07.)									

Remarks
(1)Governor(Fig.43) & Fuel Feed Pump(Fig.44) is incorporated in this Fuel Injection Pump(No.1, 1A).

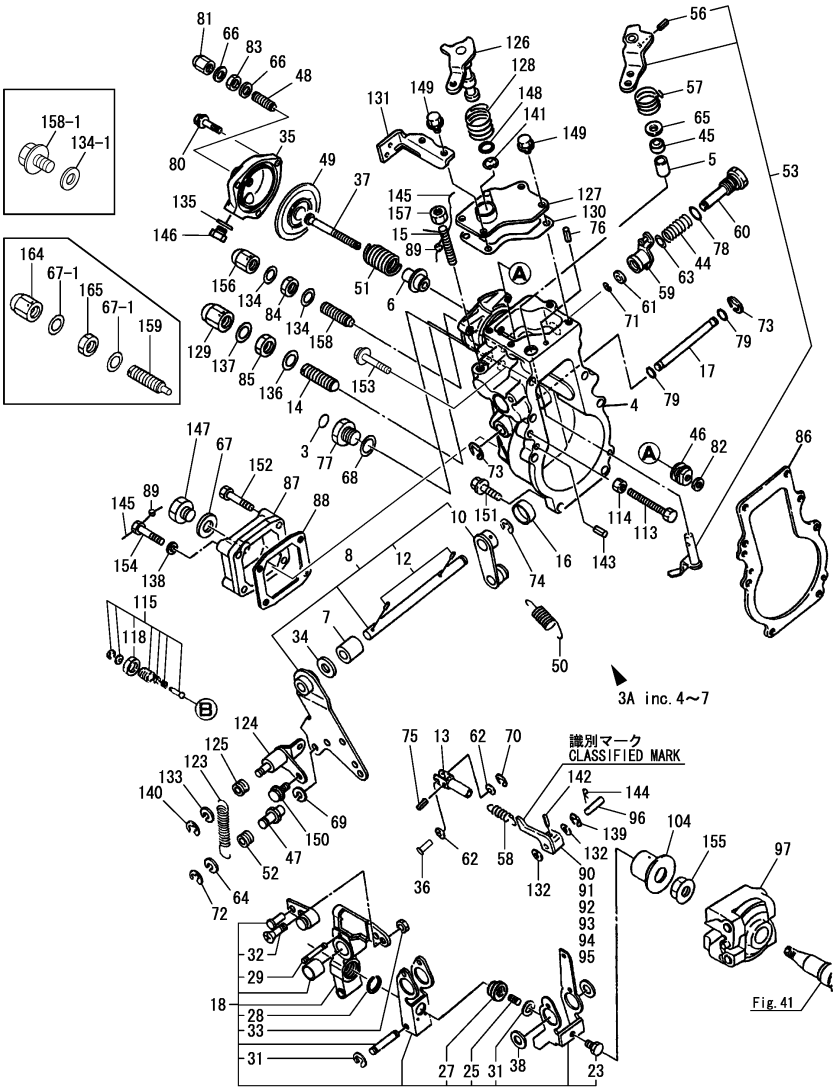
Fig.42. FUEL INJECTION PUMP(4LHA-HT(Z)E(P))



(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119171-01980	RETAINER, PUMP					1	1		
2	1	119172-51931	PUMP ASSY, INJECTION					1	1		
3	1	106100-55800	WASHER					1	1		
4	1	24341-000500	O-RING, 1AS50.0					1	1		
5	1	26106-080162	BOLT, M8X 16 PLATED					1	1		
6	1	26106-080302	BOLT, M8X 30 PLATED					3	3		
7	1	26106-100162	BOLT, M10X 16 PLATED					2	2		
8	1	119171-25910	BRACKET, PUMP					1	1		
9	1	119000-25920	RETAINER					1	1		
10	1	119171-25920	GEAR, PUMP					1	1		
11	1	22217-140000	WASHER, SPRING 14					1	1		
12	1	24341-001350	O-RING, 1AS135.0					1	1		
13	1	26106-080252	BOLT, M8X 25 PLATED					3	3		
14	1	26776-140002	NUT, LOCK M14					1	1		
15	1	129693-51990	VALVE, OVERFLOW					1	1		
16	1	119171-67200	SOLENOID, MAGNETIC					1	1		
17	1	X1466584820	WIRE					1	1		
19	1	129930-61970	CAP					1	1	W	
				(E=EXXXXX)		(F=EXXXXX)					
21	1	129930-61980	CAP					1	1	W	
				(E=EXXXXX)		(F=EXXXXX)					

Fig.43. GOVERNOR

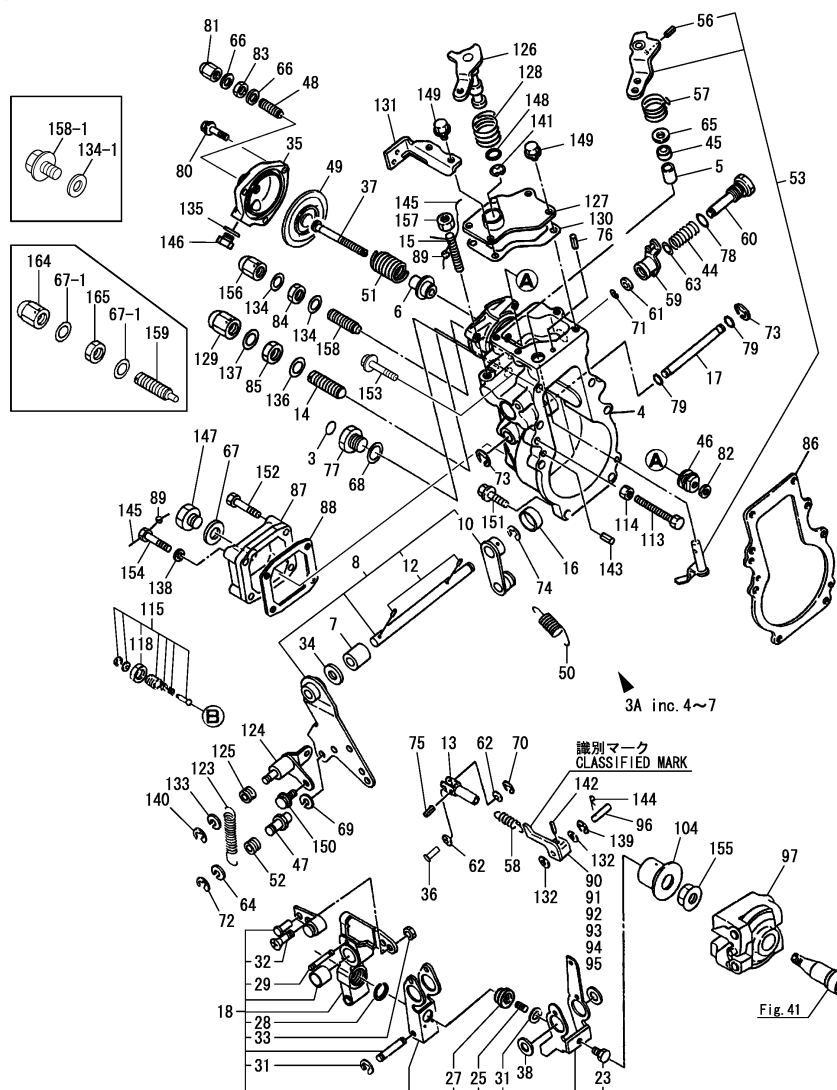


Remarks
(1)Pitch 51
(2)Pitch 52
(3)Pitch 53
(4)Pitch 51.5
(5)Pitch 52.5
(6)Pitch 53.5

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	3	124610-51970	LABEL	1	1	1	1				
3A	3	119573-61030	CASE, GOVERNOR	1	1	1	1				W
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
4	4	119573-61010	CASE, GOVERNOR	1	1	1	1				
5	4	127695-61840	BUSH	1	1	1	1				
6	4	129595-61610	BUSH	1	1	1	1				
7	4	120323-61430	BUSH	2	2	2	2				
8	3	119173-61400	LEVER ASSY, CONTROL	1	1	1	1				
10	4	120323-61420	LEVER, GOVERNOR	1	1	1	1				
12	4	22322-030220	PIN, TAPER 3X22	2	2	2	2				
13	3	119000-61120	LINK	1	1	1	1				
14	3	127695-61450	BOLT, CONTROL	1	1	1	1				
15	3	121850-61470	BOLT, LIMITER	1	1	1	1				
16	3	129795-61470	PLUG, 20	1	1	1	1				
17	3	119000-61490	SHAFT	1	1	1	1				
18	3	119174-61500	LEVER ASSY, GOVERNOR	1	1	1	1				
23	4	127495-61540	SHIFTER	1	1	1	1				
25	4	120130-61600	SPRING, FUEL CONTROL	1	1	1	1				
27	4	119187-61911	RETAINER, SPRING	1	1	1	1				
28	4	119187-61920	CIRCLIP	1	1	1	1				
29	4	119187-61930	PIN	1	1	1	1				
31	4	22272-000040	RING, E- 4	5	5	5	5				
32	4	26577-060162	SCREW, M6X16	1	1	1	1				
33	4	26716-060002	NUT, M6	1	1	1	1				
34	3	120320-61540	SEAL, SC102004	1	1	1	1				
35	3	129595-61600	CASE	1	1	1	1				
36	3	119595-61170	PIN, LINK	1	1	1	1				
37	3	129595-61620	ROD, SLIDER	1	1	1	1				
38	3	119000-61630	SHIM SET	1	1	1	1				
44	3	119593-61650	SPRING	1	1	1	1				
45	3	148616-61650	SEAL, VC081404	1	1	1	1				
46	3	127495-61660	RING	1	1	1	1				
47	3	121850-61670	BOLT	1	1	1	1				
48	3	129595-61670	BOLT, ADJUSTER	1	1	1	1				
48-1	3	129595-61671	BOLT, ADJUSTING	1	1	1	1				N
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
49	3	129595-61680	DIAPHRAGM	1	1	1	1				
49-1	3	129595-61681	DIAPHRAGM ASSY	1	1	1	1				N
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
50	3	119588-61700	SPRING, GOVERNOR	1	1	1	1				
51	3	119593-61760	SPRING, DIAPHRAGM	1	1	1	1				
52	3	144626-61781	PIECE	1	1	1	1				
53	3	119593-61800	LEVER ASSY, STOP	1	1	1	1				
56	4	22351-030016	PIN, SPRING 3.0X16	1	1	1	1				
57	3	119593-61830	SPRING, RETURN	1	1	1	1				
58	3	119187-61190	SPRING	1	1	1	1				
59	3	119594-61850	LEVER	1	1	1	1				
60	3	119593-61860	SHAFT	1	1	1	1				
61	3	119593-61890	SPACER	1	1	1	1				
62	3	22117-050000	WASHER, 5	2	2	2	2				
63	3	22117-080000	WASHER, 8	1	1	1	1				

Fig.43. GOVERNOR

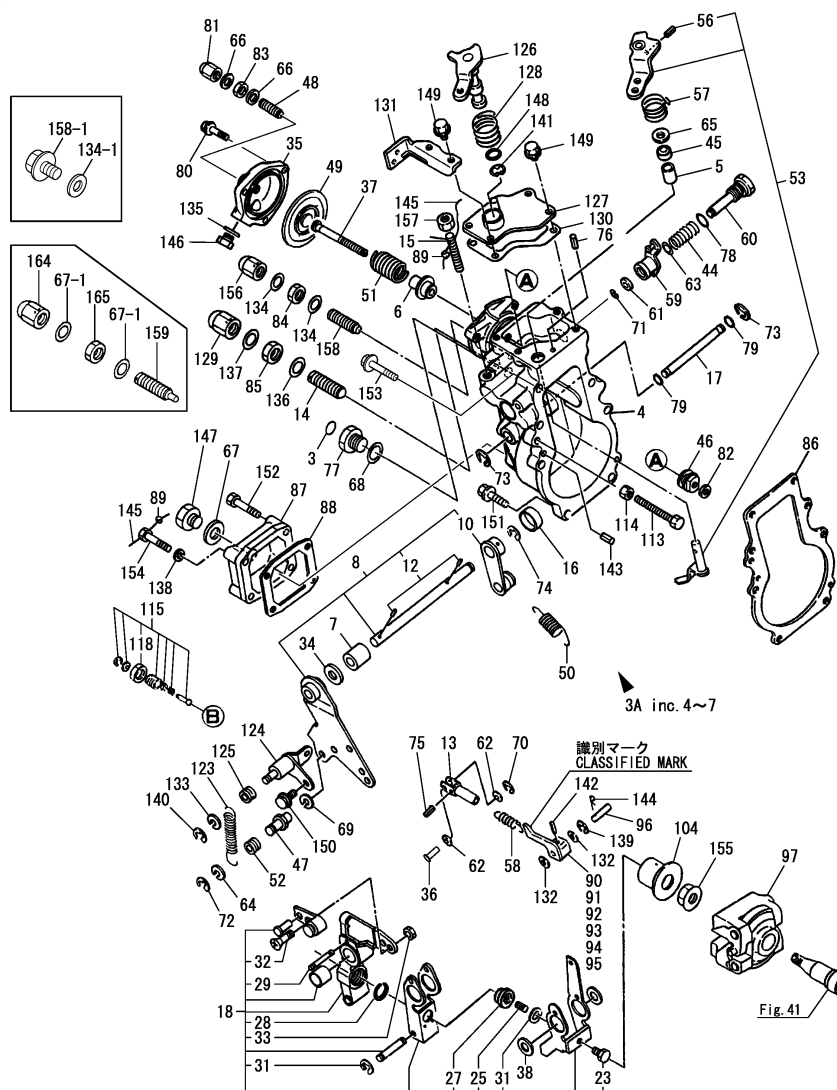


- (1) Pitch 51
- (2) Pitch 52
- (3) Pitch 53
- (4) Pitch 51.5
- (5) Pitch 52.5
- (6) Pitch 53.5

				(A)=4LHA-STE(P) (B)=4LHA-STZE(P) (C)=4LHA-DTE(P)	(D)=4LHA-DTZE(P) (E)=4LHA-HTE(P) (F)=4LHA-HTZE(P)						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
64	3	22117-080000	WASHER, 8	1	1	1	1				
65	3	22137-080000	WASHER, 8	1	1	1	1				
66	3	22190-080000	WASHER, SEAL 8	2	2	2	2				
66-1	3	22190-080002	WASHER, SEAL 6	2	2	2	2				N
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)						
67	3	22190-120002	WASHER, SEAL 12	1	1	1	1				
67-1	3	22190-120002	WASHER, SEAL 12	2	2	2	2				K
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)						
68	3	22190-160002	WASHER, SEAL 16	1	1	1	1				
69	3	22217-080000	WASHER, SPRING 8	1	1	1	1				
70	3	22272-000040	RING, E- 4	1	1	1	1				
71	3	22272-000060	RING, E- 6	1	1	1	1				
72	3	22272-000060	RING, E- 6	1	1	1	1				
72-1	3	22276-000060	RING, E- 6	1	1	1	1				R
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)						
73	3	22272-000080	RING, E- 8	2	2	2	2				
74	3	22272-000080	RING, E- 8	1	1	1	1				
75	3	22351-030016	PIN, SPRING 3.0X16	1	1	1	1				
76	3	22492-060362	PIN, B6X36	1	1	1	1				
77	3	23887-160002	PLUG, 16	1	1	1	1				
78	3	24311-000120	O-RING, 1AP12.0	1	1	1	1				
79	3	24341-000080	O-RING, 1AS8.0	2	2	2	2				
80	3	26106-060182	BOLT, M6X 18 PLATED	3	3	3	3				
81	3	26667-080002	NUT, CAP M8	1	1	1	1				
82	3	26756-060002	NUT, LOCK M6	1	1	1	1				
82-1	3	26716-060002	NUT, M6	1	1	1	1				R
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)						
83	3	26756-080002	NUT, LOCK M8	1	1	1	1				
84	3	26756-080002	NUT, LOCK M8	1	1	1	1				Z
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)						
85	3	26777-120002	NUT, LOCK M12	1	1	1	1				
86	2	119000-61051	GASKET	1	1						
86-1	2	119000-61052	GASKET	1	1	1	1				R
		(A=E50507)	(B=EA0421)								
87	2	119187-61071	COVER, GOVERNOR CASE	1	1	1	1				
88	2	127695-61071	GASKET	1	1	1	1				
89	2	135210-61090	LEAD	3	3	3	3				
89-1	2	114780-61090	TIN	3	3	3	3				N
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)						
90	2	119593-61100	LINK	1	1	1	1				1
91	2	119593-61110	LINK	1	1	1	1				2
92	2	119593-61120	LINK	1	1	1	1				3
93	2	119593-61130	LINK, 10.5	1	1	1	1				4
94	2	119593-61140	LINK, 11.5	1	1	1	1				5
95	2	119593-61150	LINK, 12.5	1	1	1	1				6
96	2	119000-61180	PIN, LINK	1	1	1	1				
97	2	119173-61200	WEIGHT ASSY,GOVERNOR	1	1	1	1				
104	2	119187-61300	SLEEVE ASSY	1	1	1	1				
113	2	171353-61460	BOLT, IDLE	1	1	1	1				
114	2	119000-61470	NUT, M6	1	1	1	1				
115	2	119174-61550	ANGLEICH ASSY	1	1	1	1				

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.43. GOVERNOR

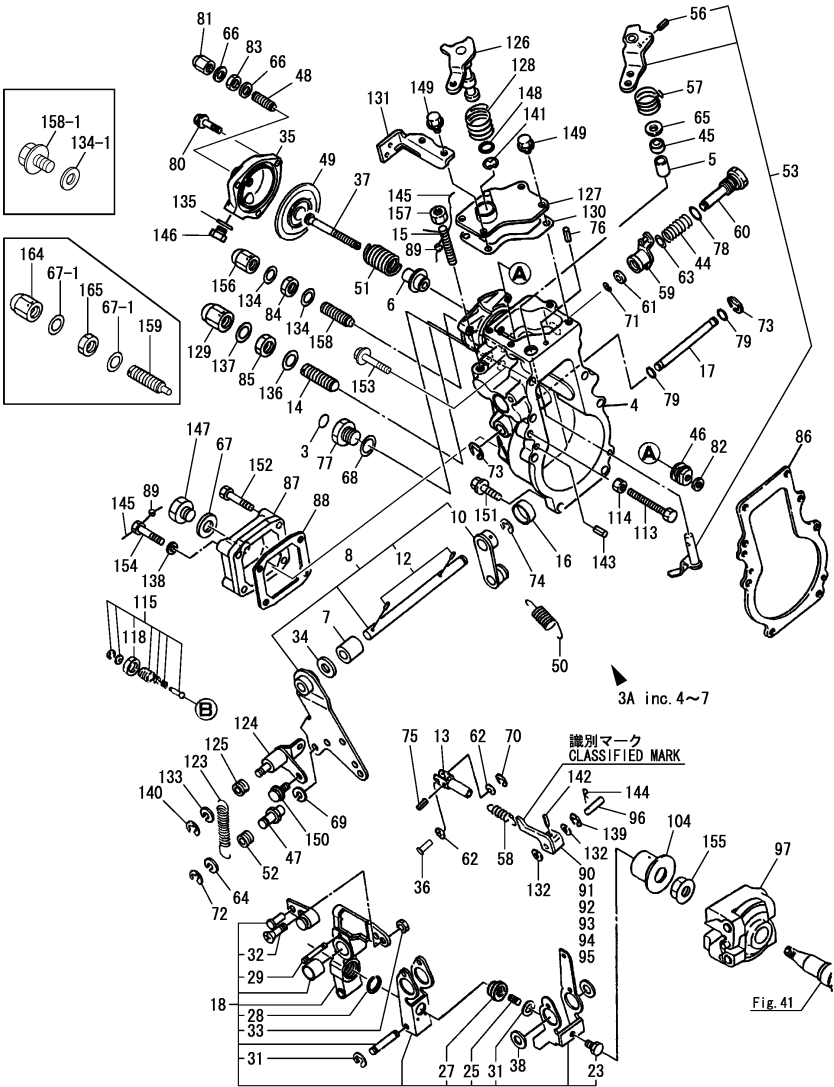


- (1) Pitch 51
- (2) Pitch 52
- (3) Pitch 53
- (4) Pitch 51.5
- (5) Pitch 52.5
- (6) Pitch 53.5

				(A)=4LHA-STE(P) (B)=4LHA-STZE(P) (C)=4LHA-DTE(P)					(D)=4LHA-DTZE(P) (E)=4LHA-HTE(P) (F)=4LHA-HTZE(P)		
No.	Lev.	Parts No.	Description			Q'ty				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
118	3	124616-61580	NUT, LOCK	1	1	1	1				
123	2	119173-61651	SPRING	1	1	1	1				
124	2	119173-61660	SUPPORT, SPRING	1	1	1	1				
125	2	144626-61781	PIECE	1	1	1	1				
126	2	119593-61900	LEVER	1	1	1	1				
127	2	119593-61910	COVER	1	1	1	1				
128	2	119593-61920	SPRING, RETURN	1	1	1	1				
129	2	129100-61930	NUT, CAP	1	1	1	1				
130	2	127695-61961	GASKET	1	1	1	1				
131	2	119593-61990	SUPPORT, WIRE	1	1	1	1				
132	2	22117-050000	WASHER, 5	2	2	2	2				
133	2	22117-080000	WASHER, 8	1	1	1	1				
134	2	22190-080002	WASHER, SEAL 6	2	2	2	2				
134-1	2	22190-080002	WASHER, SEAL 6	1	1	1	1				K
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)						
135	2	22190-100002	WASHER, SEAL 10	1	1	1	1				
136	2	22190-120002	WASHER, SEAL 12	1	1	1	1				
137	2	22190-120002	WASHER, SEAL 12	1	1	1	1				
138	2	22217-060000	WASHER, SPRING 6	1	1	1	1				
139	2	22272-000040	RING, E- 4	1	1	1	1				
140	2	22272-000060	RING, E- 6	1	1	1	1				
140-1	2	22276-000060	RING, E- 6	1	1	1	1				R
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)						
141	2	22272-000100	RING, E-10	1	1	1	1				
141-1	2	22276-000100	RING, E-10	1	1	1	1				R
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)						
142	2	22351-030025	PIN, SPRING 3.0X25	1	1	1	1				
143	2	22351-050020	PIN, SPRING 5.0X20	2	2	2	2				
144	2	22372-050000	PIN, SNAP 5	1	1	1	1				
145	2	22453-060000	WIRE, 0.6	3	3	3	3				
145-1	2	120325-61100	WIRE, 1.0	3	3	3	3				N
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)						
146	2	23887-100002	PLUG, 10	1	1	1	1				
147	2	23887-120002	PLUG, 12	1	1	1	1				
148	2	24311-000110	O-RING, 1AP11.0	1	1	1	1				
149	2	26106-060122	BOLT, M6X 12 PLATED	4	4	4	4				
150	2	26106-060122	BOLT, M6X 12 PLATED	1	1	1	1				
151	2	26106-060222	BOLT, M6X 22 PLATED	6	6	6	6				
152	2	26106-060302	BOLT, M6X 30 PLATED	3	3	3	3				
153	2	26106-060402	BOLT, M6X 40 PLATED	1	1	1	1				
154	2	26116-060306	BOLT, M6X 30 PLATED	1	1	1	1				
155	2	26376-120002	NUT, M12	1	1	1	1				
156	2	26667-080002	NUT, CAP M8	1	1	1	1				Z
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)						
157	2	26756-080002	NUT, LOCK M8	1	1	1	1				
158	2	26911-080402	SCREW, M8X40	1	1	1	1				
158-1	2	26106-080122	BOLT, M8X 12 PLATED	1	1	1	1				R
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)						
159	2	127695-61551	IDLE ASSY	1	1	1	1				W
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)						
164	2	129100-61930	NUT, CAP	1	1	1	1				W

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.43. GOVERNOR



- Remarks
- (1)Pitch 51
 - (2)Pitch 52
 - (3)Pitch 53
 - (4)Pitch 51.5
 - (5)Pitch 52.5
 - (6)Pitch 53.5

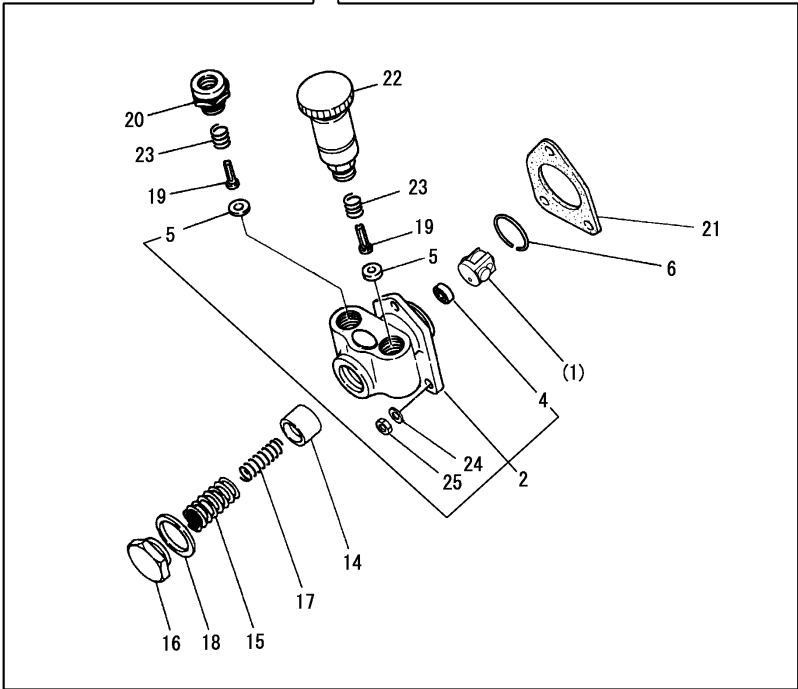
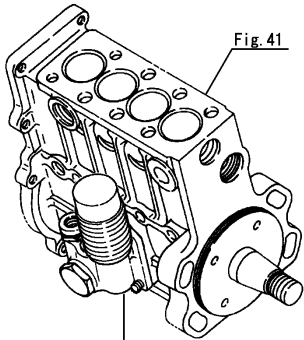
(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
165	2	(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)						
		26777-120002	NUT, LOCK M12	1	1	1	1				W
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)						

Fig.44. FUEL FEED PUMP

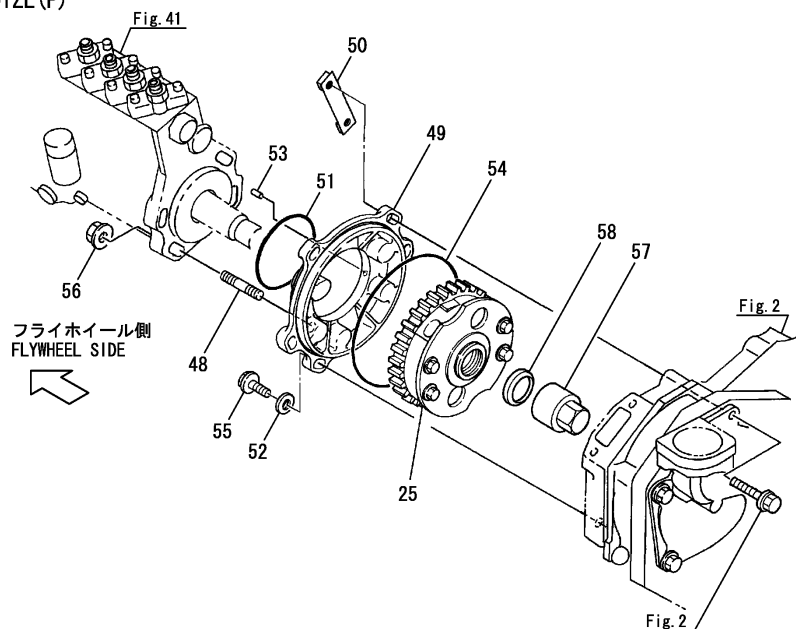
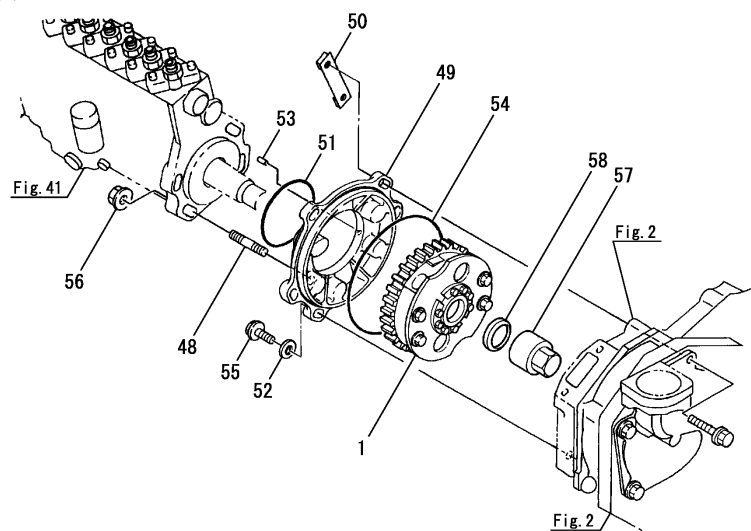
(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119593-52000	PUMP ASSY, FUEL FEED	1	1	1	1				
2	2	121820-52020	BODY ASSY, PUMP	1	1	1	1				
4	3	121820-52040	SEAL, OIL	1	1	1	1				
5	3	121820-52050	GASKET	2	2	2	2				
6	2	121820-52070	PIN	1	1	1	1				
14	2	135200-52170	PISTON	1	1	1	1				
15	2	119588-52180	SPRING, VALVE	1	1	1	1				
16	2	119588-52190	RETAINER, SPRING	1	1	1	1				
17	2	119593-52180	SPRING, VALVE	1	1	1	1				
18	2	121820-52200	GASKET, 25	1	1	1	1				
19	2	121820-52210	VALVE	2	2	2	2				
20	2	121820-52230	RETAINER, SPRING	1	1	1	1				
21	2	124410-51861	GASKET	1	1	1	1				
22	2	121820-52300	PUMP, PRIMING	1	1	1	1				
23	2	121820-52510	SPRING, VALVE	2	2	2	2				
24	2	22217-060000	WASHER, SPRING 6	3	3	3	3				
25	2	26716-060002	NUT, M6	3	3	3	3				

Fig.45. TIMER



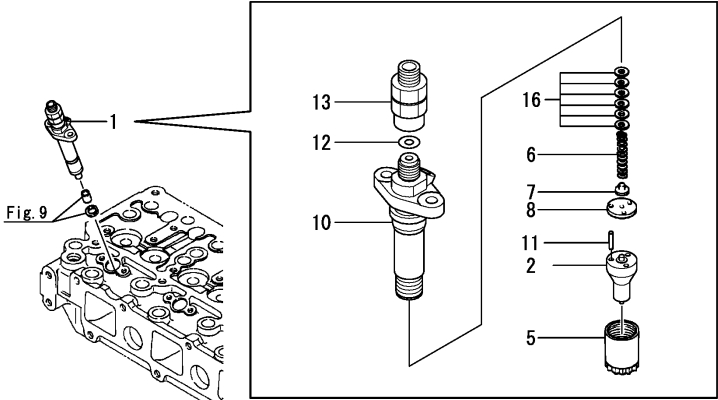
No.	Lev.	Parts No.	Description	(A)=4LHA-STE(P) (B)=4LHA-STZE(P) (C)=4LHA-DTE(P)		(D)=4LHA-DTZE(P) (E)=4LHA-HTE(P) (F)=4LHA-HTZE(P)				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719175-54800	TIMER ASSY	1	1						
1-1	1	719175-54801	TIMER ASSY	1	1						N
		(A=E50831)	(B=EA0543)								
1-2	1	719175-54102	TIMER ASSY(4LH-STE	1	1						R
		(A=EXXXXX)	(B=EXXXXX)								
25	1	719588-54800	TIMER ASSY				1	1			
25-1	1	719588-54100	TIMER ASSY				1	1			R
			(C=EXXXXX)	(D=EXXXXX)							
48	1	121850-01900	STUD. SB10X32	4	4	4	4				
48-1	1	26226-100322	STUD, M10X 32	4	4	4	4				R
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)						
49	1	119000-25910	BRACKET, PUMP	1	1	1	1				
50	1	119000-25920	RETAINER	1	1	1	1				
51	1	124410-51960	O-RING	1	1	1	1				
52	1	106100-55800	WASHER	3	3	3	3				
53	1	22351-050012	PIN, SPRING 5.0X12	1	1	1	1				
54	1	24341-001350	O-RING, 1AS135.0	1	1	1	1				
55	1	26106-080252	BOLT, M8X 25 PLATED	3	3	3	3				
56	1	26306-100002	NUT, M10	4	4	4	4				
57	1	144606-54900	NUT, CAP	1	1	1	1				
58	1	144606-54910	WASHER	1	1	1	1				

Fig.46. FUEL INJECTION VALVE

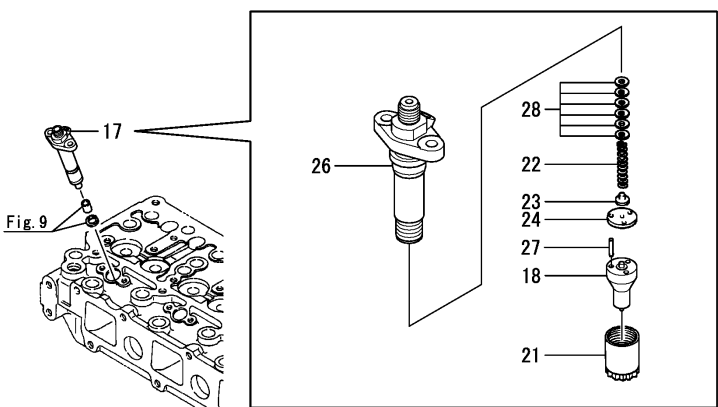
(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

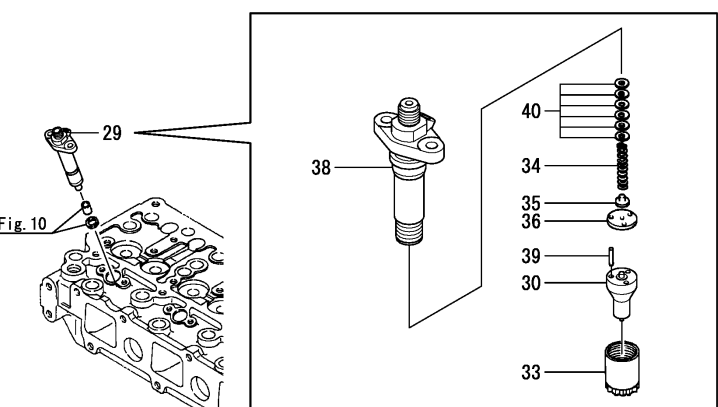
4LHA-STE (P)
4LHA-STZE (P)



4LHA-DTE (P)
4LHA-DTZE (P)



4LHA-HTE (P)
4LHA-HTZE (P)



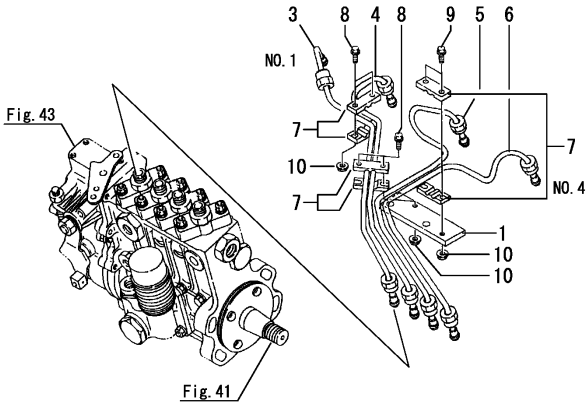
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719175-53200	VALVE ASSY,INJECTION	4	4						
2	2	119175-53050	VALVE ASSY,INJECTION	4	4						
5	2	114250-53080	NUT, NOZZLE D16.95	4	4						
6	2	119593-53120	SPRING, NOZZLE	4	4						
7	2	114250-53130	SEAT, SPRING	4	4						
8	2	114250-53140	PLATE	4	4						
10	2	129470-11920	GASKET	4	4						
10-1	2	129685-11930	GASKET, NOZZLE	4	4						R
		(A=EXXXXX) (B=EXXXXX)									
11	2	114250-53210	PIN	8	8						
12	2	119594-53290	GASKET	4	4						
13	2	119175-53300	JOINT ASSY	4	4						
16	2	114250-53400	SHIM SET	4	4						
17	1	719173-53200	VALVE ASSY,INJECTION			4	4				
18	2	119173-53050	VALVE ASSY,INJECTION			4	4				
21	2	114250-53080	NUT, NOZZLE D16.95			4	4				
22	2	114250-53120	SPRING, NOZZLE			4	4				
23	2	114250-53130	SEAT, SPRING			4	4				
24	2	114250-53140	PLATE			4	4				
26	2	129470-11920	GASKET			4	4				
26-1	2	129685-11930	GASKET, NOZZLE			4	4				R
		(C=EXXXXX) (D=EXXXXX)									
27	2	114250-53210	PIN			8	8				
28	2	114250-53400	SHIM SET			4	4				
29	1	719172-53200	VALVE ASSY,INJECTION					4	4		
30	2	119172-53050	NOZZLE ASSY					4	4		
33	2	114250-53080	NUT, NOZZLE D16.95					4	4		
34	2	114250-53120	SPRING, NOZZLE					4	4		
35	2	114250-53130	SEAT, SPRING					4	4		
36	2	114250-53140	PLATE					4	4		
38	2	129470-11920	GASKET					4	4		
38-1	2	129685-11930	GASKET, NOZZLE					4	4		R
		(E=EXXXXX) (F=EXXXXX)									
39	2	114250-53210	PIN					8	8		
40	2	114250-53400	SHIM SET					4	4		

Fig.47. FUEL INJECTION PIPE

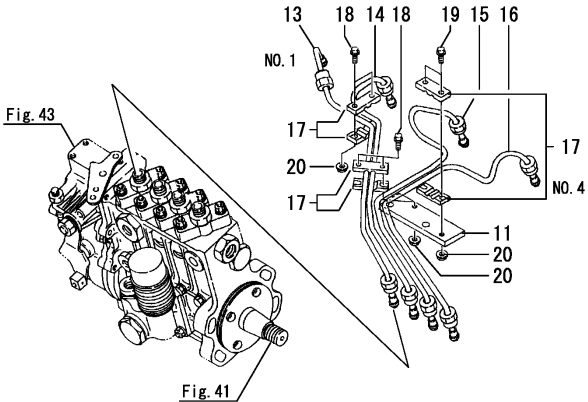
(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

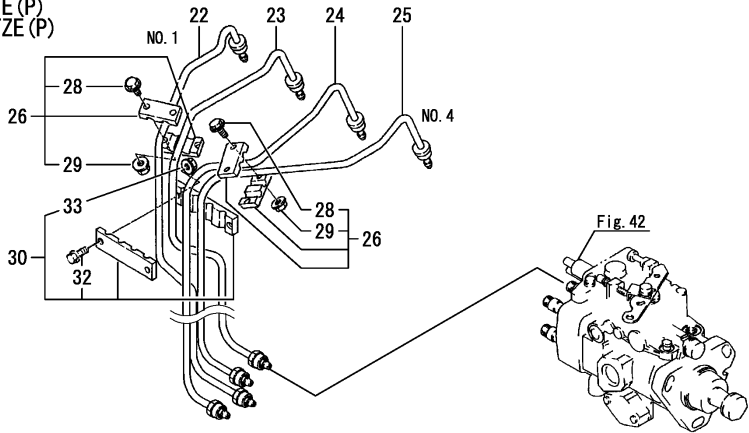
4LHA-STE(P)
4LHA-STZE(P)



4LHA-DTE(P)
4LHA-DTZE(P)

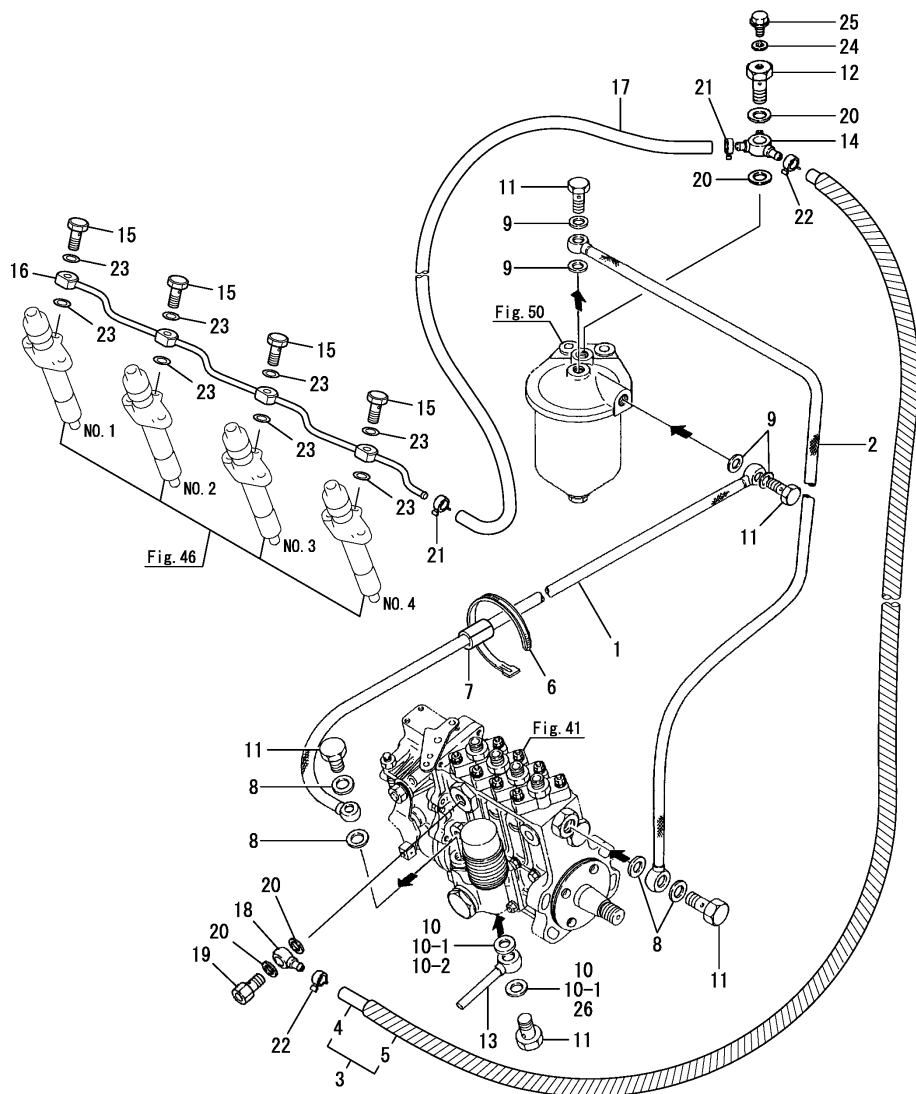


4LHA-HTE(P)
4LHA-HTZE(P)



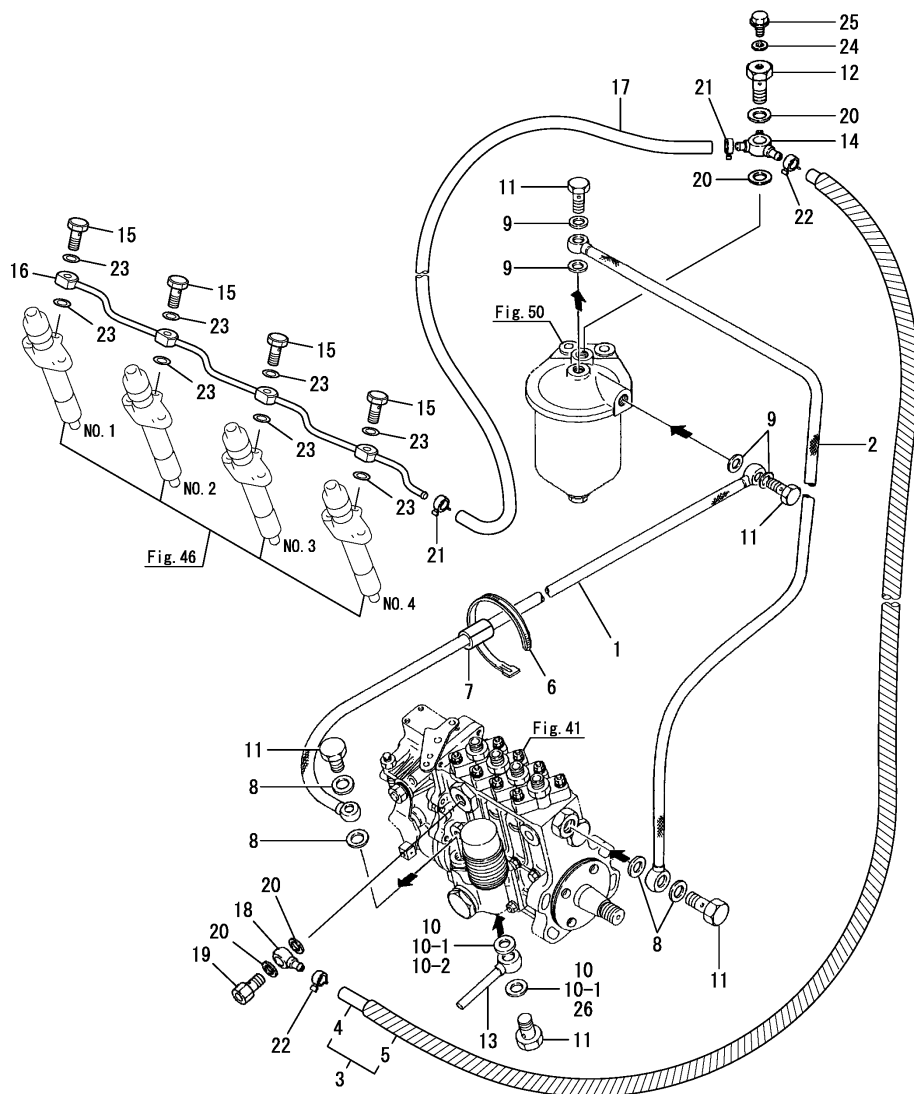
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119181-59120	BRACKET	1	1						
1-1	1	119181-59130	BRACKET	1	1						N
(A=E52121) (B=*2001.06)											
1-2	1	119181-59120	BRACKET	1	1						R
(A=EXXXXX) (B=EXXXXX)											
3	1	119181-59811	PIPE ASSY, INJECTION	1	1						
4	1	119181-59821	PIPE ASSY, INJECTION	1	1						
5	1	119181-59831	PIPE ASSY, INJECTION	1	1						
6	1	119181-59841	PIPE ASSY, INJECTION	1	1						
7	1	122780-59100	RETAINER	6	6						
8	1	26106-060202	BOLT, M6X 20 PLATED	4	4						
9	1	26106-060252	BOLT, M6X 25 PLATED	2	2						
10	1	26366-060002	NUT, M6	4	4						
11	1	119181-59130	BRACKET			1	1				
11-1	1	119181-59120	BRACKET			1	1				R
(C=EXXXXX) (D=EXXXXX)											
13	1	119173-59810	PIPE ASSY, INJECTION			1	1				
14	1	119173-59820	PIPE ASSY, INJECTION			1	1				
15	1	119173-59830	PIPE ASSY, INJECTION			1	1				
16	1	119173-59840	PIPE ASSY, INJECTION			1	1				
17	1	122780-59100	RETAINER			6	6				
18	1	26106-060202	BOLT, M6X 20 PLATED			4	4				
19	1	26106-060252	BOLT, M6X 25 PLATED			2	2				
20	1	26366-060002	NUT, M6			2	2				
22	1	119172-59810	PIPE ASSY, INJECTION					1	1		
23	1	119172-59820	PIPE ASSY, INJECTION					1	1		
24	1	119172-59830	PIPE ASSY, INJECTION					1	1		
25	1	119172-59840	PIPE ASSY, INJECTION					1	1		
26	1	122780-59080	RETAINER ASSY					2	2		
28	2	26106-060202	BOLT, M6X 20 PLATED					4	4		
29	2	26366-060002	NUT, M6					4	4		
30	1	123472-59090	RETAINER ASSY					1	1		
32	2	26106-060202	BOLT, M6X 20 PLATED					2	2		
33	2	26366-060002	NUT, M6					2	2		

Fig.48. FUEL PIPE(4LHA-ST/DT(Z)E(P))



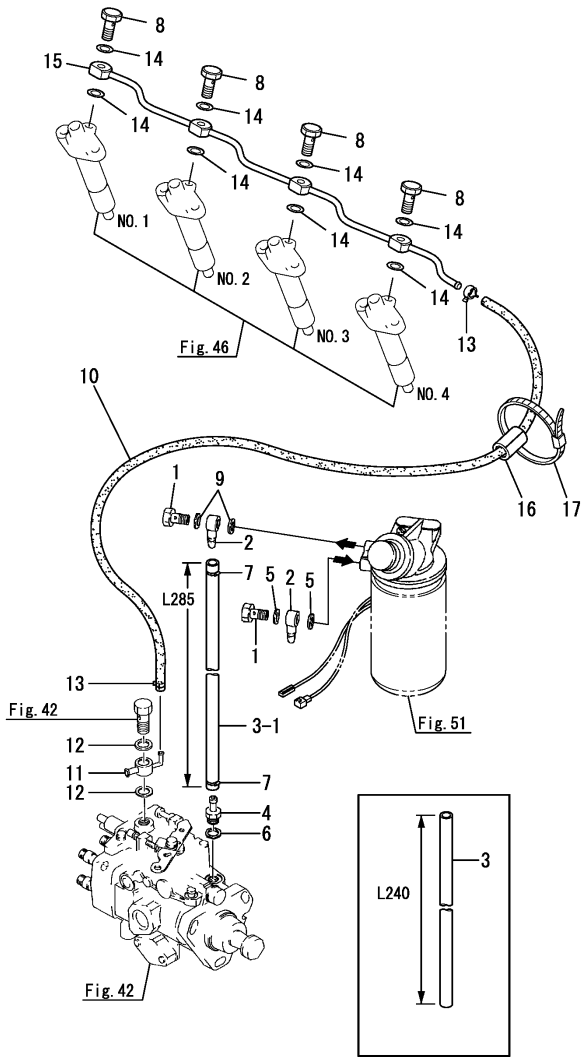
No.	Lev.	Parts No.	Description	(A)=4LHA-STZE(P) (B)=4LHA-STZE(P) (C)=4LHA-DTE(P)						(D)=4LHA-DTZE(P) (E)=4LHA-HTE(P) (F)=4LHA-HTZE(P)						I	R
				Q'ty													
				(A)	(B)	(C)	(D)	(E)	(F)								
1	1	119187-59011	PIPE, FUEL	1	1												
1-1	1	119187-59012	PIPE, FUEL	1	1	1	1								N		
		(A=E50514)	(B=EA0421)														
1-2	1	119187-59013	PIPE,FUEL	1	1	1	1								N		
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)												
2	1	119187-59020	PIPE, FUEL	1	1												
2-1	1	119187-59021	PIPE, FUEL	1	1	1	1								N		
		(A=E50514)	(B=EA0421)														
2-2	1	119187-59022	PIPE, FUEL L=365	1	1	1	1								N		
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)												
3	1	119187-59530	PIPE, 7.3X13.0X500	1	1												
3-1	1	119187-59532	PIPE, FUEL	1	1										N		
		(A=E50514)	(B=EA0421)														
3-2	1	119173-59540	PIPE ASSY, RETURN	1	1	1	1								R		
		(A=E50759)	(B=EA0515)														
4	2	119187-59532	PIPE, FUEL	1	1	1	1										
5	2	119173-59460	TUBE, CORRUGATED 19	1	1	1	1										
6	1	121750-59890	BAND, 140	1	1	1	1										
7	1	124770-77940	PROTECTOR	1	1	1	1										
8	1	22190-140002	WASHER, SEAL 14	4	4	4	4										
9	1	22190-140002	WASHER, SEAL 14	4	4	4	4										
10	1	23414-140000	GASKET, 14X1.0	2	2	2	2										
10-1	1	22190-140002	WASHER, SEAL 14	2	2	2	2								N		
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)												
10-2	1	124450-01980	GASKET	1	1	1	1								N		
		(A=FROM 1ST)	(B=FROM 1ST)	(C=FROM 1ST)	(D=FROM 1ST)												
11	1	23857-080000	BOLT, JOINT 8	5	5	5	5										
12	1	129495-59300	BOLT, PIPE JOINT	1	1	1	1										
13	1	123325-59420	PIPE ASSY, FUEL	1	1	1	1										
14	1	129470-59530	JOINT, PIPE	1	1												
14-1	1	119175-59500	JOINT, PIPE	1	1	1	1								N		
		(A=E50919)	(B=EA5721)														
15	1	129491-59540	BOLT, PIPE JOINT M6	4	4	4	4										
16	1	119175-59550	PIPE ASSY, RETURN	1	1	1	1										
17	1	129495-59561	PIPE, FUEL L=190	1	1												
17-1	1	129495-59563	PIPE, FUEL	1	1										N		
		(A=E50514)	(B=EA0421)														
17-2	1	119175-59560	PIPE, FUEL	1	1	1	1								N		
		(A=E50552)	(B=EA0421)														
18	1	121750-59910	JOINT	1	1	1	1										
19	1	119181-59950	VALVE ASSY, CHECK	1	1	1	1										
20	1	22190-140002	WASHER, SEAL 14	4	4	4	4										
21	1	23000-013000	CLAMP, 13	2	2												
21-1	1	23000-016000	CLAMP, 16	2	2	2	2								N		
		(A=E50514)	(B=EA0421)														
21-2	1	119172-48130	CLIP, HOSE 13	2	2	2	2								R		
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)												
22	1	23000-013000	CLAMP, 13	2	2												
22-1	1	23000-019000	CLAMP, 19	2	2										N		
		(A=E50514)	(B=EA0421)														
22-2	1	23000-016000	CLAMP, 16	2	2	2	2								R		

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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No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
22-3	1	119172-48190	CLIP, HOSE 19	2	2	2	2			R	
23	1	23414-060000	GASKET, 6X1.0	8	8						
23-1	1	22190-060002	WASHER, SEAL 6	8	8	8	8			N	
24	1	23414-080000	GASKET, 8X1.0	1	1						
24-1	1	22190-080002	WASHER, SEAL 6	1	1	1	1			N	
25	1	26106-080102	BOLT, M8X 10 PLATED	1	1	1	1				
26	1	23414-140018	GASKET, 14X1.0	1	1	1	1			W	

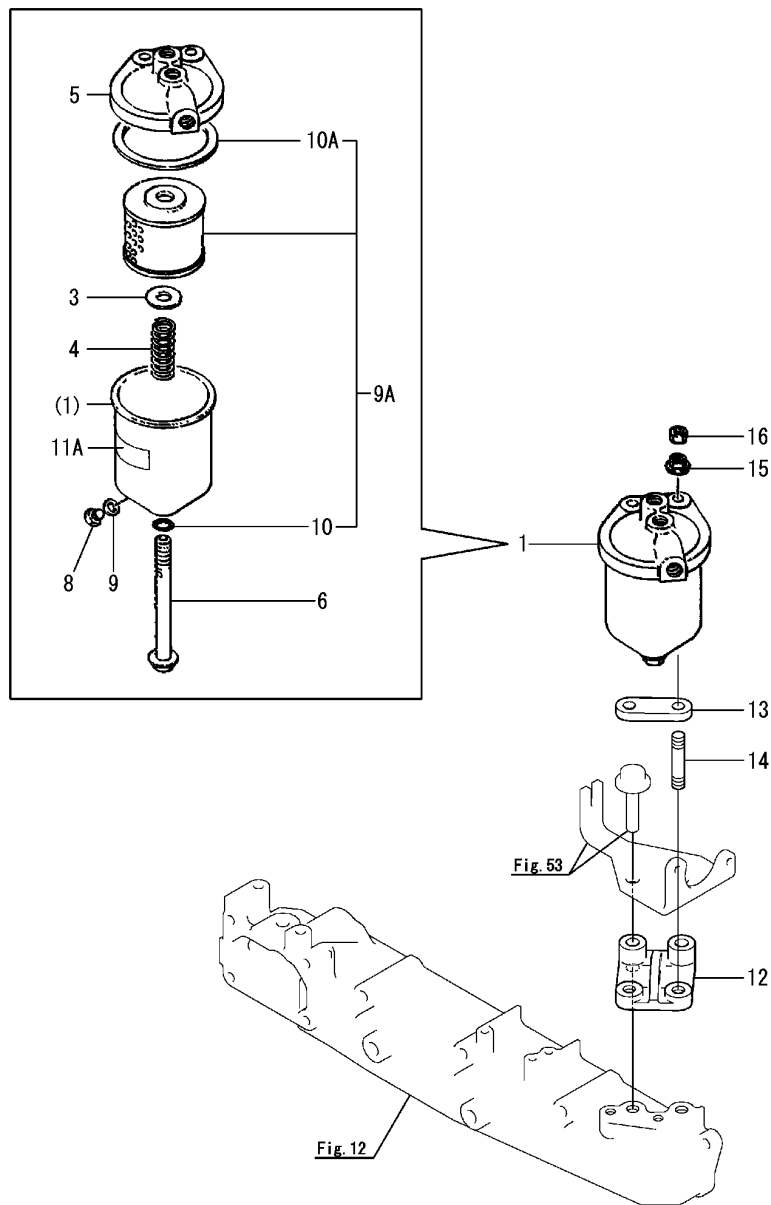
Fig.49. FUEL PIPE(4LHA-HT(Z)E(P))



(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194256-04820	BOLT, JOINT M6					2	2		
2	1	101304-59020	JOINT, PIPE 12					2	2		
3	1	119172-59201	PIPE, FUEL					1	1		
3-1	1	119172-59210	PIPE, FUEL					1	1	S	
				(E=*2006.01)				(F=*2006.01)			
4	1	119171-59910	JOINT, PIPE					1	1		
5	1	22190-120002	WASHER, SEAL 12					2	2		
6	1	22190-120002	WASHER, SEAL 12					1	1		
7	1	23000-019000	CLAMP, 19					2	2		
7-1	1	119172-48190	CLIP, HOSE 19					2	2	R	
				(E=EXXXXX)				(F=EXXXXX)			
8	1	129491-59540	BOLT, PIPE JOINT M6					4	4		
9	1	22190-120002	WASHER, SEAL 12					2	2		
10	1	119182-59562	PIPE, FUEL					1	1		
11	1	119171-59990	JOINT, PIPE					1	1		
11-1	1	129901-59580	JOINT, PIPE					1	1	N	
				(E=*2002.07)				(F=*2002.07)			
12	1	22190-120002	WASHER, SEAL 12					2	2		
12-1	1	22190-120002	WASHER, SEAL 12					4	4	K	
				(E=EXXXXX)				(F=EXXXXX)			
13	1	23000-016000	CLAMP, 16					2	2		
13-1	1	119172-48130	CLIP, HOSE 13					2	2	R	
				(E=EXXXXX)				(F=EXXXXX)			
14	1	22190-060002	WASHER, SEAL 6					8	8		
15	1	119175-59550	PIPE ASSY, RETURN					1	1		
16	1	124770-77940	PROTECTOR					1	1	W	
				(E=EXXXXX)				(F=EXXXXX)			
17	1	29622-250001	BAND, RF250					2	2	W	
				(E=EXXXXX)				(F=EXXXXX)			

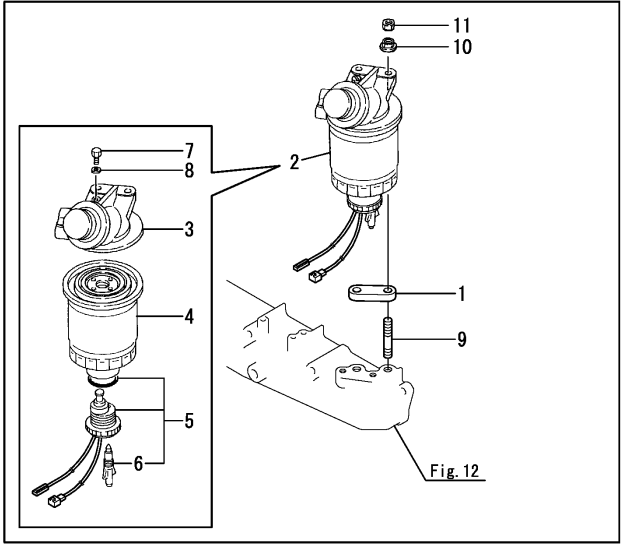
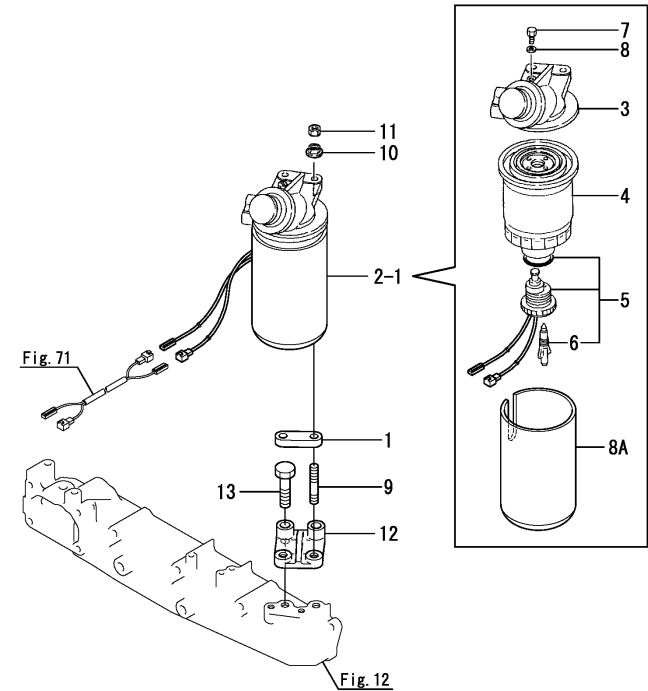
Fig.50. FUEL STRAINER(4LHA-ST/DT(Z)E(P))



No.	Lev.	Parts No.	Description	(A)=4LHA-STE(P) (B)=4LHA-STZE(P) (C)=4LHA-DTE(P)		(D)=4LHA-DTZE(P) (E)=4LHA-HTE(P) (F)=4LHA-HTZE(P)				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129495-55600	FILTER ASSY, FUEL	1	1	1	1				
2	2	123325-35140	GASKET	1	1	1	1				Z
		(A=2013.11.)	(B=2013.11.)	(C=2013.11.)	(D=2013.11.)						
3	2	123325-35160	WASHER	1	1	1	1				
4	2	123325-35170	SPRING	1	1	1	1				
5	2	129495-55610	BODY, STRAINER	1	1	1	1				
6	2	129495-55620	BOLT	1	1	1	1				
8	2	123672-55750	PLUG, DRAIN M8	1	1	1	1				
9	2	123672-55760	GASKET	1	1	1	1				
9A	2	41650-502320	ELEMENT ASSY(D72XL90	1	1	1	1				W
		(A=2013.11.)	(B=2013.11.)	(C=2013.11.)	(D=2013.11.)						
10	3	24311-000120	O-RING, 1AP12.0	1	1	1	1				
10A	3	123325-35140	GASKET	1	1	1	1				W
		(A=2013.11.)	(B=2013.11.)	(C=2013.11.)	(D=2013.11.)						
11A	2	41650-501180	LABEL, CAUTION	1	1	1	1				W
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)						
12	1	119175-55650	BRACKET	1	1	1	1				
13	1	119173-55700	RUBBER	1	1	1	1				
14	1	26216-100402	STUD, M10X 40	2	2	2	2				
15	1	26306-100002	NUT, M10	2	2	2	2				
16	1	26756-100002	NUT, LOCK M10	2	2	2	2				

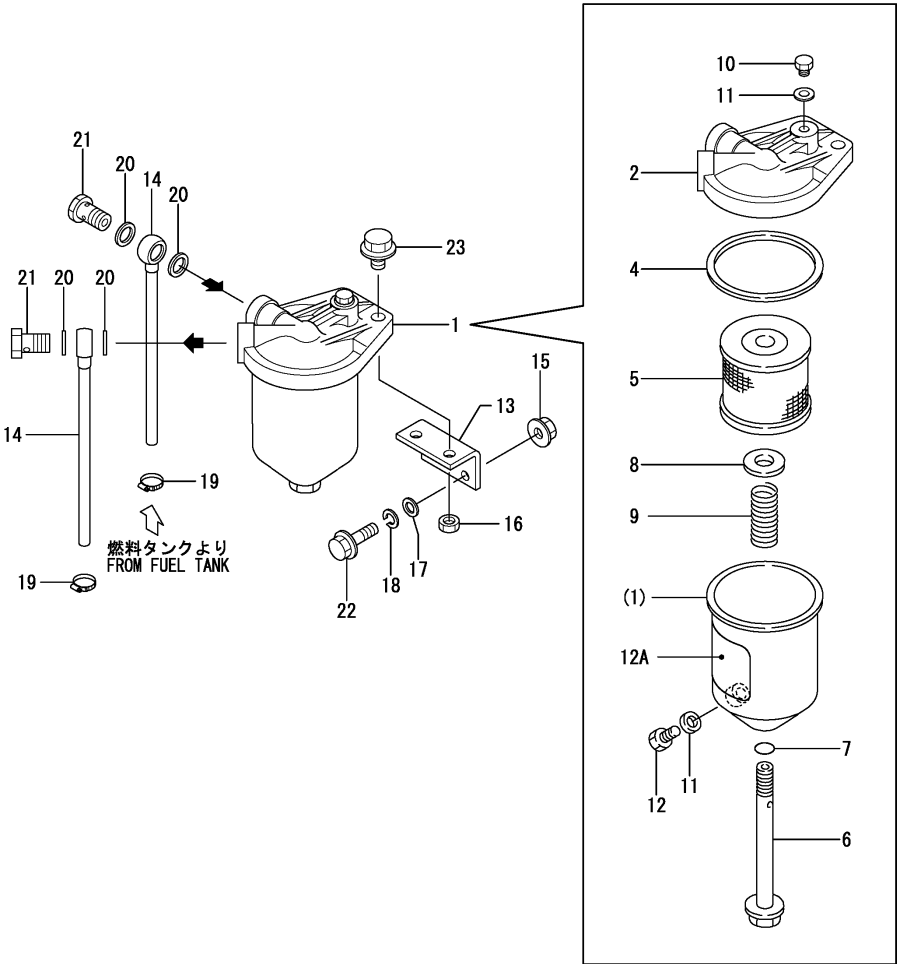
Fig.51. FUEL STRAINER(4LHA-HT(Z)E(P))

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119173-55700	RUBBER					1	1		
2	1	121857-55800	SEPARATOR ASSY, WATER					1	1		
2-1	1	119172-55800	FILTER ASSY, FUEL					1	1	S	
				(E=*2006.01)				(F=*2006.01)			
3	2	121857-55630	BODY ASSY, STRAINER					1	1		
4	2	121857-55710	FILTER, FUEL					1	1		
5	2	121857-55730	SENSOR					1	1		
6	3	121857-55740	PLUG					1	1		
7	2	121857-55750	PLUG					1	1		
8	2	121857-55760	WASHER					1	1		
8A	2	119172-55810	CASE KIT, FILTER					1	1	W	
				(E=*2006.01)				(F=*2006.01)			
9	1	26216-080402	STUD, M8X 40					2	2		
10	1	26306-080002	NUT, M8					2	2		
11	1	26756-080002	NUT, LOCK M8					2	2		
12	1	119172-55650	BRACKET					1	1	W	
				(E=*2006.01)				(F=*2006.01)			
13	1	26106-100402	BOLT, M10X 40 PLATED					2	2	W	
				(E=*2006.01)				(F=*2006.01)			

Fig.52. OIL/WATER SEPARATER(OPTIONAL)

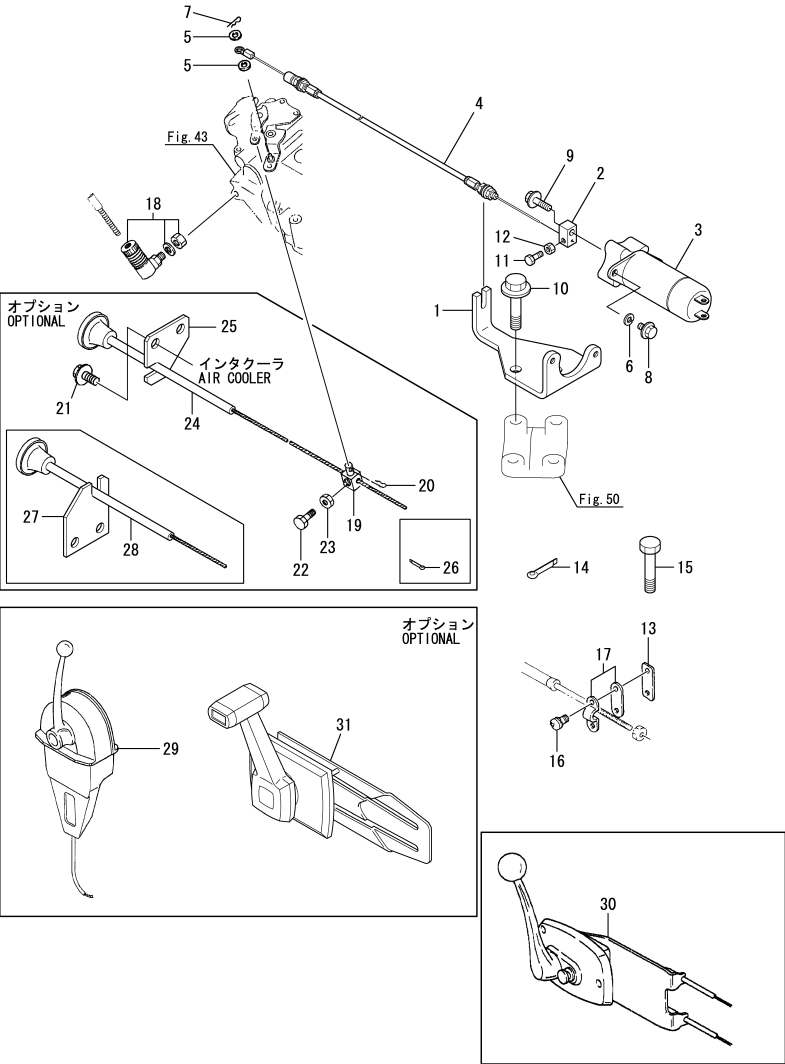


				OCR10-M47803 Fig.52							
				(A)=4LHA-STE(P) (B)=4LHA-STZE(P) (C)=4LHA-DTE(P)	(D)=4LHA-DTZE(P) (E)=4LHA-HTE(P) (F)=4LHA-HTZE(P)						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120324-55750	SEPARATOR ASSY	1	1	1	1				
1-1	1	120324-55751	SEPARATOR ASSY	1	1	1	1				N
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
2	2	X2740134001	COVER ASSY	1	1	1	1				Z
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
2-1	2	X2740134002	COVER ASSY	1	1	1	1				W
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
4	2	X0582810173	GASKET	1	1	1	1				
5	2	120324-55760	ELEMENT	1	1	1	1				
6	2	X0311121522	BOLT	1	1	1	1				
7	2	X0580121073	O-RING, 1A P 12.0	1	1	1	1				
8	2	X0300120414	SEAT, SPRING	1	1	1	1				
9	2	X0600160122	SPRING	1	1	1	1				
10	2	X0314080110	PLUG	1	1	1	1				
11	2	X0588080273	WASHER	2	2	2	2				
12	2	X0313080110	BOLT	1	1	1	1				Z
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
12-1	2	X0313080922	BOLT	1	1	1	1				W
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
12A	2	X0993071171	LABEL, CAUTION	1	1	1	1				W
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
13	1	123672-55811	BRACKET	1	1	1	1				
14	1	123325-59420	PIPE ASSY, FUEL	2	2	2	2				
15	1	26306-080002	NUT, M8	2	2	2	2				
16	1	26706-100002	NUT, M10	2	2	2	2				
17	1	22137-080000	WASHER, 8	2	2	2	2				
18	1	22217-080000	WASHER, SPRING 8	2	2	2	2				
19	1	23000-016000	CLAMP, 16	2	2	2	2				
19-1	1	119172-48190	CLIP, HOSE 19	2	2	2	2				N
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
20	1	23414-140000	GASKET, 14X1.0	4	4	4	4				
21	1	23857-080000	BOLT, JOINT 8	2	2	2	2				
22	1	26106-080402	BOLT, M8X 40 PLATED	2	2	2	2				
23	1	26106-100202	BOLT, M10X 20 PLATED	2	2	2	2				

Fig.53. ENGINE STOP DEVICE(4LHA-ST/DT(Z)E(P))

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

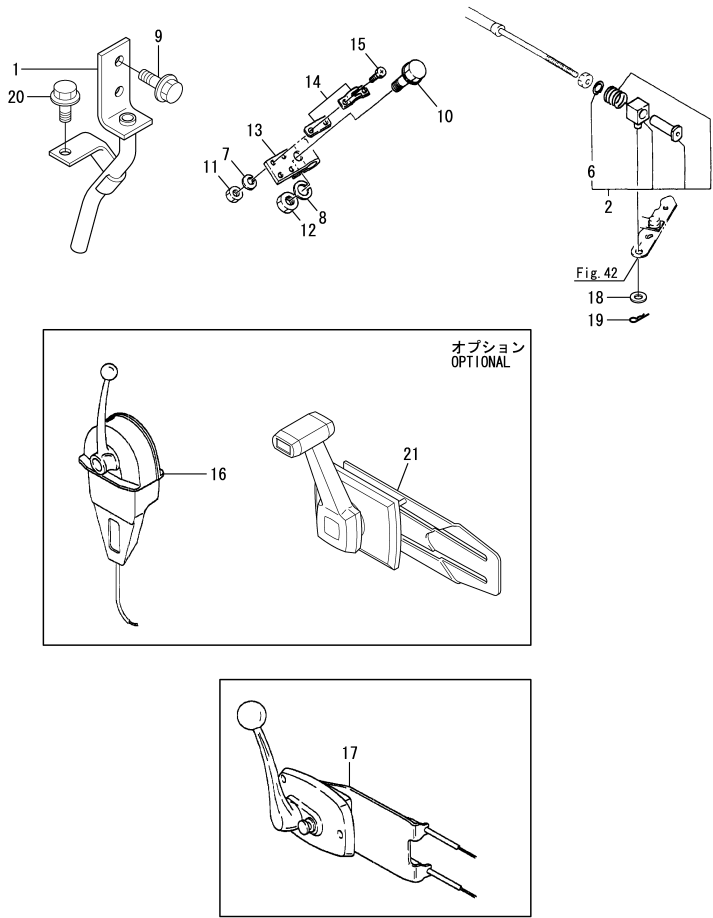


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119175-66120	BRACKET	1	1	1	1				
2	1	119175-67310	RETAINER	1	1	1	1				
3	1	129470-67320	SOLENOID, STOP 12V	1	1	1	1				
4	1	119175-67350	WIRE	1	1	1	1				
5	1	22117-060000	WASHER, 6	2	2	2	2				
5-1	1	22137-060000	WASHER, 6	2	2	2	2				R
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
6	1	22217-060000	WASHER, SPRING 6	2	2	2	2				
7	1	22360-050000	SNAP PIN 5	1	1	1	1				
8	1	26106-060102	BOLT, M6X 10 PLATED	2	2	2	2				
9	1	26106-060202	BOLT, M6X 20 PLATED	1	1	1	1				
10	1	26106-100452	BOLT, M10X 45 PLATED	2	2	2	2				
11	1	26116-050142	BOLT, M5X 14 PLATED	1	1	1	1				
12	1	26756-050002	NUT, LOCK M5	1	1	1	1				
13	1	121574-86320	RETAINER	1	1	1	1				
14	1	22414-250150	PIN, COTTER 2.5X15	1	1	1	1				
15	1	26016-080202	BOLT, M8X 20	2	2	2	2				
16	1	26022-050162	SCREW, M5X16	2	2	2	2				
17	1	41710-000410	CLAMP	1	1	1	1				
18	1	41710-001300	JOINT, BALL	1	1	1	1				
19	1	129590-67310	RETAINER	1	1	1	1				1
20	1	22360-060000	PIN, SNAP 6	1	1	1	1				W 1
(A=E50759) (B=EA0515)											
21	1	26106-080122	BOLT, M8X 12 PLATED	2	2	2	2				1
22	1	26116-050142	BOLT, M5X 14 PLATED	1	1	1	1				1
23	1	26756-050002	NUT, LOCK M5	1	1	1	1				1
23-1	1	26716-050002	NUT, M5	1	1	1	1				R 1
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
24	1	119174-67450	WIRE	1	1	1	1				W 1
(A=E50759) (B=EA0515)											
25	1	119174-67900	BRACKET	1	1	1	1				W 1
(A=E50759) (B=EA0515)											
26	1	22414-250150	PIN, COTTER 2.5X15	1	1						Z 1
(A=E50759) (B=EA0515)											
27	1	119175-66150	BRACKET	1	1						Z 1
(A=E50759) (B=EA0515)											
28	1	119175-67400	WIRE	1	1						Z 1
(A=E50759) (B=EA0515)											
29	1	41730-000681	MT-3 REMO-CON	1	1	1	1				1
30	1	128170-86500	CONTROLLER	1	1	1	1				Z 2
(A=*2001.08) (B=*2001.08) (C=*2001.08) (D=*2001.08)											
31	1	128170-86501	REMOCON HEAD (MN	1	1	1	1				W 1
(A=*2002.04) (B=*2002.04) (C=*2002.04) (D=*2002.04)											

Remarks
(1)Optional.
(2)Out of production (since beginning of Aug 2001)
The compatible product is 128170-86501, but because the installation dimensions and shape differ, additional work on the hull is necessary when replacing.

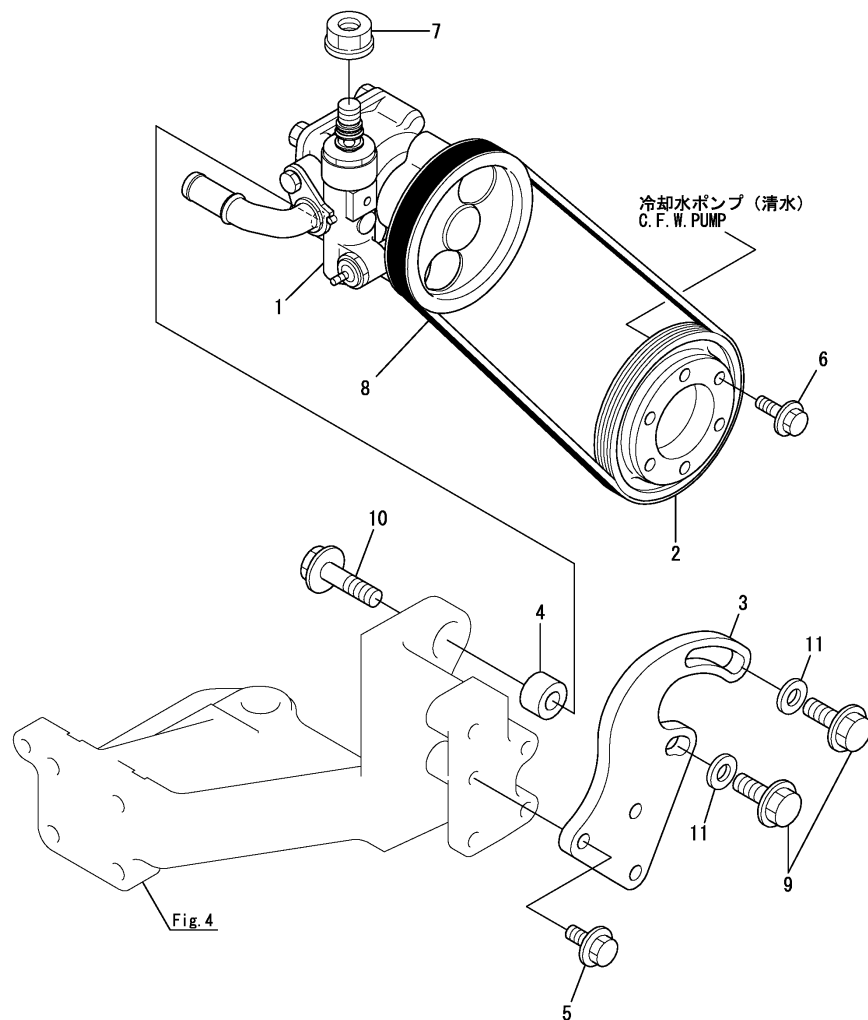
Fig.54. ENGINE STOP DEVICE(4LHA-HT(Z)E(P))

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)



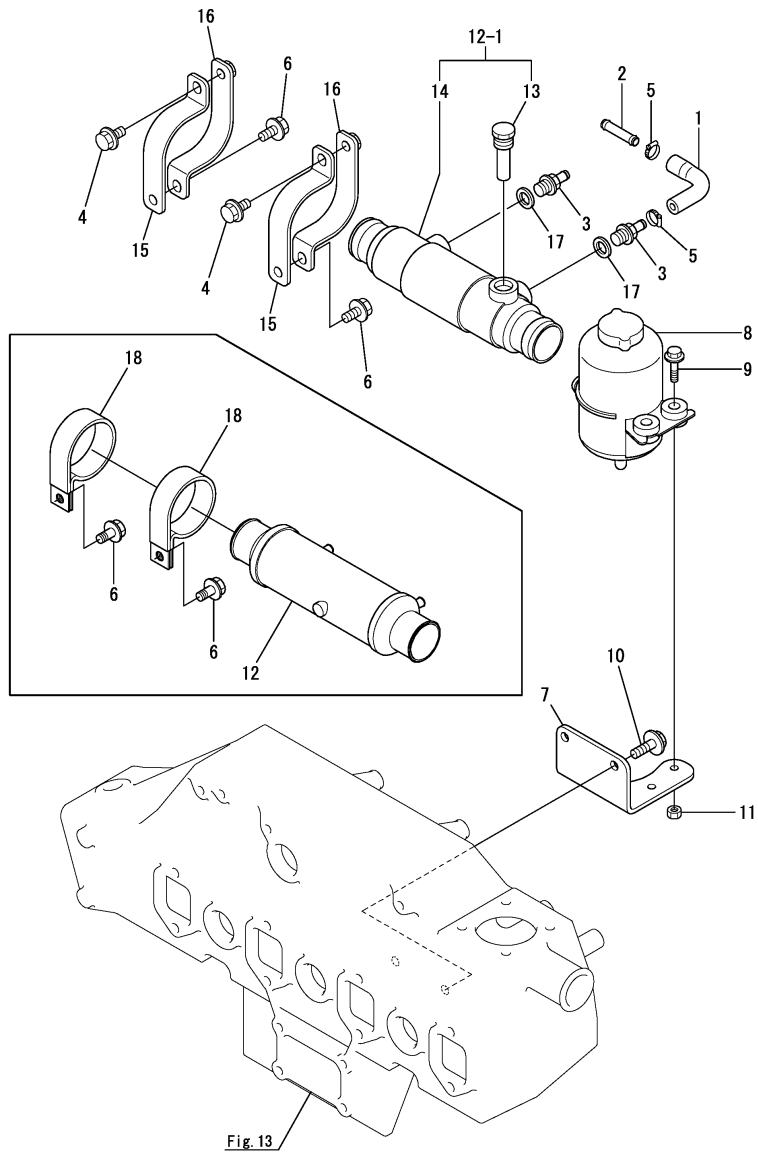
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119172-67160	BRACKET, CABLE					1	1		
2	1	105311-67200	RETAINER ASSY					1	1		
6	2	22242-000100	RING, 10					1	1		
7	1	22217-050000	WASHER, SPRING 5					2	2		
8	1	22217-080000	WASHER, SPRING 8					1	1		
9	1	26106-080162	BOLT, M8X 16 PLATED					2	2		
10	1	26106-080252	BOLT, M8X 25 PLATED					1	1		
11	1	26716-050002	NUT, M5					2	2		
12	1	26716-080002	NUT, M8					1	1		
13	1	41701-001720	BRACKET					1	1		
14	1	41710-000410	CLAMP					1	1		
15	1	26557-050122	SCREW, M5X12					2	2		
16	1	41730-000681	MT-3 REMO-CON					1	1		
17	1	128170-86500	CONTROLLER					1	1	Z	1
				(E=*2001.08)		(F=*2001.08)					
18	1	22117-060000	WASHER, 6					1	1	W	
				(E=EXXXXX)		(F=EXXXXX)					
19	1	22360-060000	PIN, SNAP 6					1	1	W	
				(E=EXXXXX)		(F=EXXXXX)					
20	1	26106-080122	BOLT, M8X 12 PLATED					1	1	W	
				(E=EXXXXX)		(F=EXXXXX)					
21	1	128170-86501	REMOCON HEAD (MN					1	1	W	
				(E=*2002.04)		(F=*2002.04)					

Remarks
(1)Out of production (since beginning of Aug 2001)
The compatible product is 128170-86501, but because the installation dimensions and shape differ, additional work on the hull is necessary when replacing.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119787-26100	PUMP, STEERING		1		1		1		
2	1	119175-26300	V-PULLEY		1		1		1		
3	1	119175-26550	ADJUSTER, BELT		1		1		1		
4	1	119773-77330	COLLAR		1		1		1		
5	1	26106-080182	BOLT, M8X 18 PLATED		3		3		3		
6	1	26106-100302	BOLT, M10X 30 PLATED		6		6		6		
7	1	26376-120002	NUT, M12		1		1		1		
8	1	119175-26500	V-BELT, 4PK1060		1		1		1		
9	1	26136-100252	BOLT, M10X 25 PLATED		2		2		2		
10	1	26136-100402	BOLT, M10X 40 PLATED		1		1		1		
11	1	22137-100000	WASHER, 10		2		2		2		W

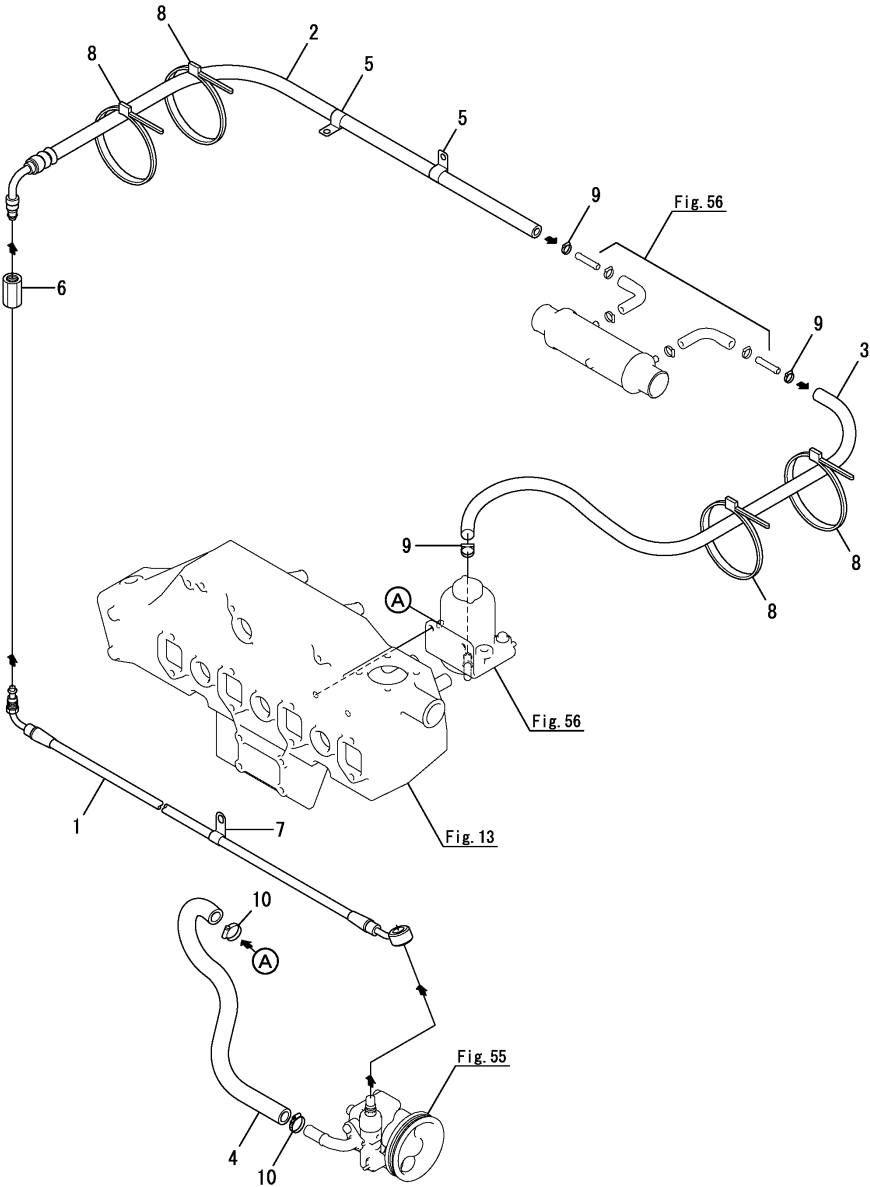
Fig.56. POWER STEERING COOLER & TANK



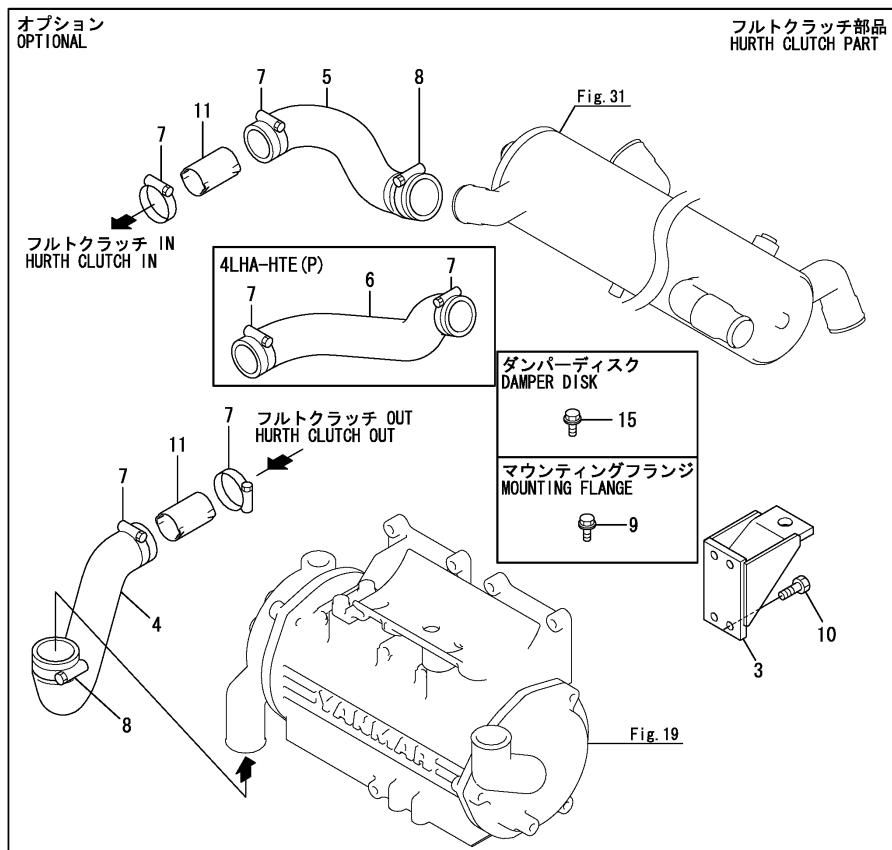
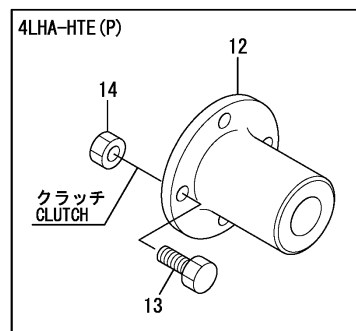
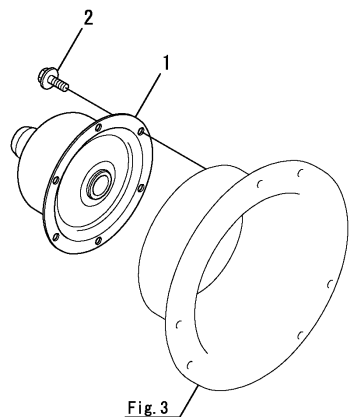
Remarks
(1)Interchangeable by simultaneous replacement with Ref.No.3,17.

				OCR10-M47803 Fig.56							
				(A)=4LHA-STE(P) (B)=4LHA-STZE(P) (C)=4LHA-DTE(P)							
				(D)=4LHA-DTZE(P) (E)=4LHA-HTE(P) (F)=4LHA-HTZE(P)							
No.	Lev.	Parts No.	Description	Q'ty							
				(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119778-26620	TUBE, CORRUGATED		2		2		2		
2	1	119778-26750	JOINT		2		2		2		
3	1	121250-49110	JOINT, PIPE		2		2		2	W	
4	1	26106-080162	(B=EA0615) BOLT, M8X 16 PLATED (B=EA0615)		2		2		2	W	
5	1	23000-016000	CLAMP, 16		4		4		4		
5-1	1	119172-48190	CLIP, HOSE 19 (B=EXXXXX)	(D=EXXXXX)	4		4		4	N	
6	1	26106-080202	BOLT, M8X 20 PLATED		2		2		2		
7	1	119175-26520	BRACKET		1						
7-1	1	119175-26530	BRACKET		1		1		1	N	
7-2	1	119175-26520	(B=*2001.06) BRACKET (B=EXXXXX)	(D=EXXXXX)	1		1		1	N	
8	1	196346-34860	TANK, OIL		1		1		1		
9	1	26106-060252	BOLT, M6X 25 PLATED		2		2		2		
10	1	26106-080202	BOLT, M8X 20 PLATED		2		2		2		
11	1	26716-060002	NUT, M6		2		2		2		
12	1	119773-55800	COOLER ASSY, FUEL		1						
12-1	1	119773-55750	COOLER ASSY, FUEL (B=EA0615)		1		1		1	F	1
13	2	119574-44150	(B=EA0615) ZINC, ANTI-CORROSIVE (B=EA0615)		1		1		1	W	
14	2	119773-55760	(B=EA0615) BODY, COOLER (B=EA0615)		1		1		1	W	
15	1	119773-55870	BAND, COOLER (B=EA0615)		2		2		2	W	
16	1	119773-55890	BAND, COOLER (B=EA0615)		2		2		2	W	
17	1	23414-140018	(B=EA0615) GASKET, 14X1.0 (B=EA0615)		2		2		2	W	
18	1	119773-55850	BAND, COOLER (B=EA0615)		2					Z	

Fig.57. ATF PIPE



OCR10-M47803 Fig.57											
				(A)=4LHA-STE(P)	(D)=4LHA-DTZE(P)						
				(B)=4LHA-STZE(P)	(E)=4LHA-HTE(P)						
				(C)=4LHA-DTE(P)	(F)=4LHA-HTZE(P)						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119175-26600	TUBE, CORRUGATED		1		1		1		
1-1	1	119175-26700	PIPE		1		1		1		R
(B=EXXXXX) (D=EXXXXX) (F=EXXXXX)											
2	1	119175-26610	TUBE, CORRUGATED		1		1		1		
2-1	1	119175-26710	PIPE, AIR		1		1		1		R
(B=EXXXXX) (D=EXXXXX) (F=EXXXXX)											
3	1	119175-26650	TUBE, CORRUGATED		1		1		1		
4	1	119175-26660	TUBE, CORRUGATED		1		1		1		
5	1	119778-26660	RETAINER		1		1		1		
6	1	119778-26800	JOINT		1		1		1		
7	1	119593-39450	RETAINER		2		2		2		
8	1	194250-51660	BAND, NYLON		4		4		4		
8-1	1	29622-250001	BAND, RF250		4		4		4		R
(B=EXXXXX) (D=EXXXXX) (F=EXXXXX)											
9	1	23000-016000	CLAMP, 16		3		3		3		
9-1	1	119172-48190	CLIP, HOSE 19		3		3		3		N
(B=EXXXXX) (D=EXXXXX) (F=EXXXXX)											
10	1	23000-028000	CLAMP, 28		1		1		1		
10-1	1	119172-48250	CLIP, HOSE 25		2		2		2		N
(B=EXXXXX) (D=EXXXXX) (F=EXXXXX)											

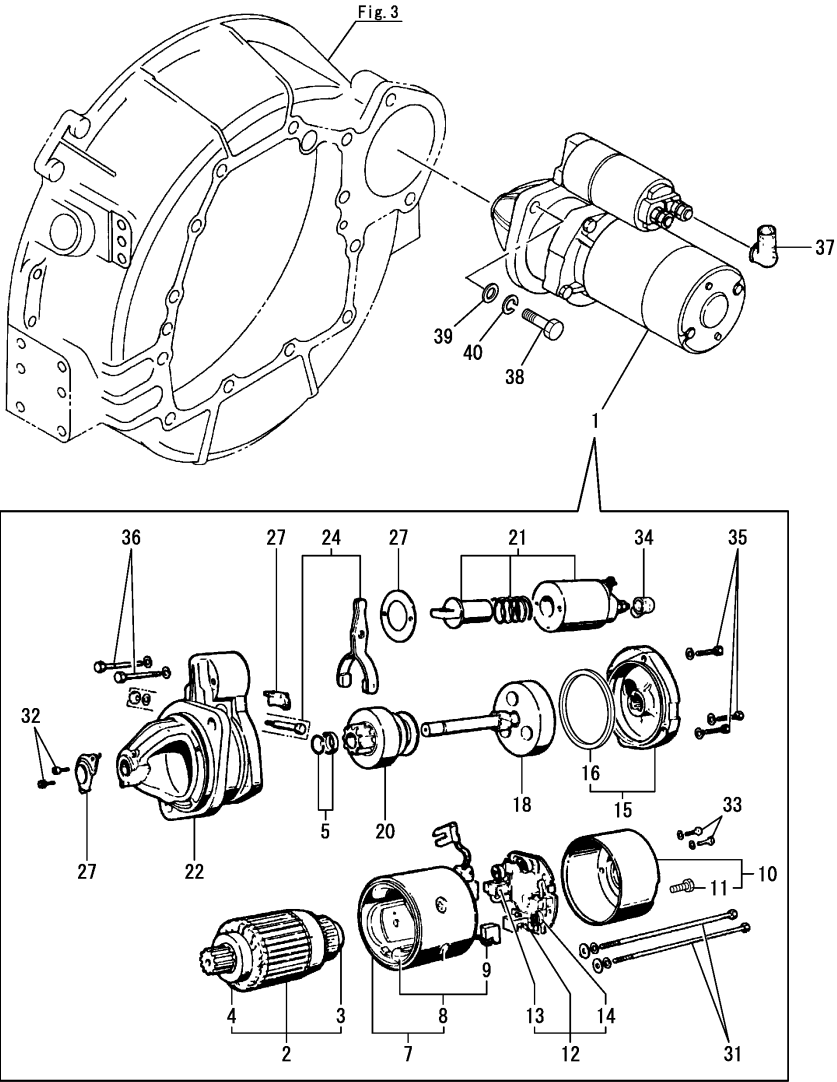


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119778-85500	COUPLING ASSY		1		1		1		
2	1	26106-100202	BOLT, M10X 20 PLATED		6		6		6		
3	1	119173-08110	FOOT, MOUNTING			2		2			
4	1	119175-49710	HOSE, GEAR	1							
4A	1	119173-49670	HOSE, CLUTCH			1		1			
5	1	119175-49700	HOSE, GEAR	1							
5A	1	119173-49680	HOSE, CLUTCH			1					
6	1	119172-49650	HOSE, CLUTCH					1			
7	1	23000-048000	CLAMP, 48	4		4		5			
7-1	1	119172-48480	CLIP, HOSE 48					5		N	
					(E=EXXXXX)						
8	1	23000-054000	CLAMP, 54	2		2		1			
8-1	1	119172-48540	CLIP, HOSE 54					1		N	
					(E=EXXXXX)						
9	1	26106-100252	BOLT, M10X 25 PLATED	12		12		12			
10	1	26116-120352	BOLT, M12X 35 PLATED			8		8			
11	1	119181-49741	JOINT	2		2		2			
12	1	119171-85900	COUPLING					1			
13	1	26116-120402	BOLT, M12X 40 PLATED					4			
14	1	26716-120002	NUT, M12					4			
15	1	26106-100222	BOLT, M10X 22 PLATED	6		6		6			

Fig.59. STARTING MOTOR

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

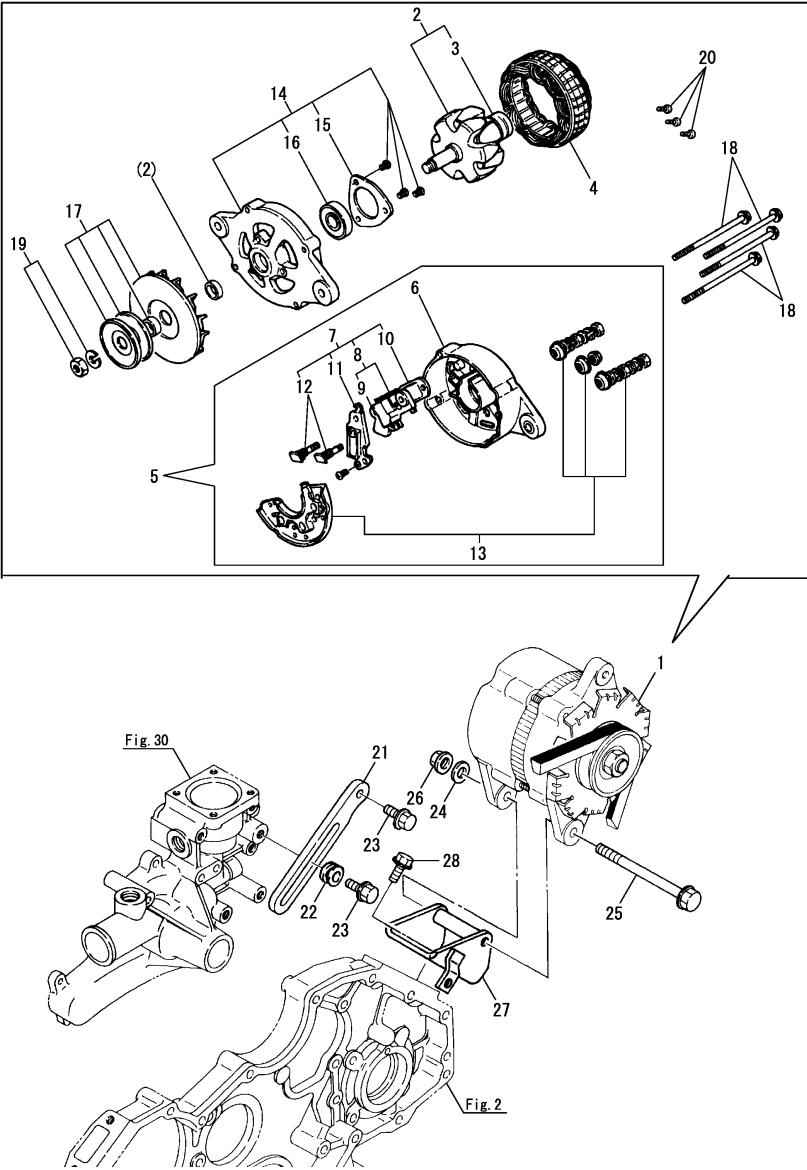
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121254-77012	STARTING MOTOR(DC12V	1	1						
1-1	1	121254-77019	STARTING MOTOR(DC12V	1	1	1	1	1	1	N	
		(A=E51203)	(B=EA0660)								
2	2	121254-77402	ARMATURE ASSY	1	1	1	1	1	1		
3	3	121254-77410	BALL BEARING	1	1	1	1	1	1		
4	3	121254-77420	BALL BEARING	1	1	1	1	1	1		
5	2	121254-77480	STOPPER KIT, PINION	1	1	1	1	1	1		
7	2	121254-77511	COIL ASSY, FIELD	1	1	1	1	1	1		
8	3	121254-77521	COIL ASSY, FIELD	1	1	1	1	1	1		
9	4	121254-77541	BRUSH (+)	2	2	2	2	2	2		
10	2	121254-77550	COVER ASSY, REAR	1	1	1	1	1	1		
11	3	121254-77560	BOLT	1	1	1	1	1	1		
12	2	121254-77571	HOLDER ASSY	1	1	1	1	1	1		
13	3	121254-77581	BRUSH, -	2	2	2	2	2	2		
14	3	121254-77590	SPRING	4	4	4	4	4	4		
15	2	121254-77600	BEARING ASSY, CENTER	1	1	1	1	1	1		
16	3	119129-77210	SEAL, OIL	1	1	1	1	1	1		
18	2	121254-77640	SHAFT ASSY, GEAR	1	1	1	1	1	1		
20	2	121254-77661	PINION ASSY	1	1	1	1	1	1		
21	2	121254-77670	SWITCH, MAGNETIC	1	1						
21-1	2	121254-77671	SWITCH, MAGNETIC	1	1	1	1	1	1	N	
		(A=E51203)	(B=EA0660)								
22	2	121254-77681	CASE ASSY, GEAR	1	1	1	1	1	1		
24	2	121254-77700	LEVER SET, SHIFT	1	1	1	1	1	1		
27	2	121254-77730	DUST COVER SET	1	1	1	1	1	1		
31	2	121254-77770	BOLT, THROUGH	2	2	2	2	2	2		
32	2	26450-050122	BOLT, M5X 12	2	2	2	2	2	2		
33	2	121254-77790	SCREW 4	2	2	2	2	2	2		
34	2	121254-77810	COVER, TERMINAL	1	1	1	1	1	1		
35	2	26106-060302	BOLT, M6X 30 PLATED	3	3	3	3	3	3		
36	2	26106-060452	BOLT, M6X 45 PLATED	2	2	2	2	2	2		
37	1	124550-77030	COVER, TERMINAL	1	1	1	1	1	1		
38	1	26116-120302	BOLT, M12X 30 PLATED	2	2	2	2	2	2		
38-1	1	26116-120352	BOLT, M12X 35 PLATED	2	2	2	2	2	2	N	
		(A=E51203)	(B=EA0660)								
39	1	22137-120000	WASHER, 12	2	2	2	2	2	2	W	
		(A=E51203)	(B=EA0660)								
40	1	22217-120000	WASHER, SPRING 12	2	2	2	2	2	2	W	
		(A=E51203)	(B=EA0660)								

Fig.60. GENERATOR(12V-60A,HITACHI)(UP TO EZZZZZ 2012.6)

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

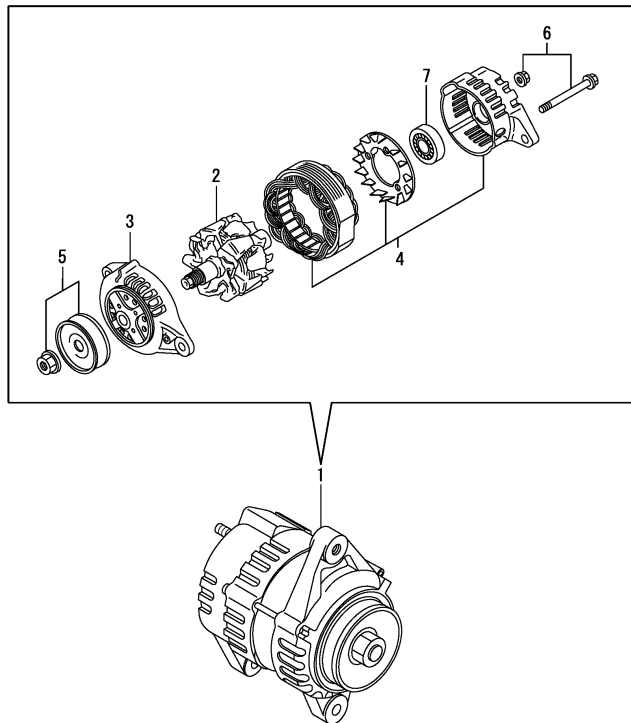


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129772-77200	GENERATOR(12V-55A)	1	1	1	1	1	1		
1-1	1	128271-77200	GENERATOR, 12V-60A	1	1	1	1	1	1	R	1
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)				(E=EXXXXX) (F=EXXXXX)							
1-2	1	128271-77200	GENERATOR, 12V-60A	1	1	1	1	1	1	Z	2
(A=*2012.06) (B=*2012.06) (C=*2012.06) (D=*2012.06)				(E=*2012.06) (F=*2012.06)							
2	2	XL15571001	ROTOR ASSY	1	1	1	1	1	1		
3	3	124080-77490	BALL BEARING	1	1	1	1	1	1		
4	2	XL15542001	STATOR ASSY	1	1	1	1	1	1		
5	2	XL155G6300	COVER ASSY, REAR	1	1	1	1	1	1		
6	3	XL22553012	COVER, REAR	1	1	1	1	1	1		
7	3	XL155G1315	REGULATOR ASSY,BRUSH	1	1	1	1	1	1		
8	4	XL2255330	BRUSH ASSY	1	1	1	1	1	1		
9	5	XL12013262	BRUSH	2	2	2	2	2	2		
10	4	XTR1263	REGULATOR	1	1	1	1	1	1		
11	4	XL2554318	CONDENSER ASSY	1	1	1	1	1	1		
12	4	XL13513134	BOLT M5	2	2	2	2	2	2		
13	3	XL2253320	DIODE ASSY	1	1	1	1	1	1		
14	2	XL2253400	FRONT COVER ASSY	1	1	1	1	1	1		
15	3	XL15014042	BEARING RETAINER	1	1	1	1	1	1		
16	3	X6203BM	BALL BEARING	1	1	1	1	1	1		
17	2	XL225G6500	PULLEY ASSY	1	1	1	1	1	1		
18	2	XL15018015	BOLT, THROUGH	4	4	4	4	4	4		
19	2	XL1501810	NUT ASSY, PULLEY	1	1	1	1	1	1		
20	2	XL15028001	SCREW ASSY	1	1	1	1	1	1		
21	1	119171-77330	ADJUSTER, BELT	1	1	1	1	1	1		
22	1	121236-77340	SPACER	1	1	1	1	1	1		
23	1	119005-77350	BOLT, M8X25	2	2	2	2	2	2		
24	1	22137-100000	WASHER, 10	1	1	1	1	1	1		
25	1	26116-101202	BOLT, M10X120 PLATED	1	1	1	1	1	1		
26	1	26306-100002	NUT, M10	1	1	1	1	1	1		
27	1	119175-77270	BRACKET, GENERATOR	1	1	1	1	1	1		
28	1	26106-080202	BOLT, M8X 20 PLATED	4	4	4	4	4	4		

Remarks
(1)Component parts:Refer to Fig.(60A)
(2)Interchangeable by simultaneous replacement with Fig.61A No.2,11 and wireharness.

Fig.74. (60A)GENERATOR COMPONENT PARTS(12V-60A,HITACHI)(UP TO 2012.6)

(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128271-77200	GENERATOR, 12V-60A	1	1	1	1	1	1	W	
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)	(E=EXXXXX)	(F=EXXXXX)				
1-1	1	128271-77200	GENERATOR, 12V-60A	1	1	1	1	1	1	Z	1
		(A=*2012.06)	(B=*2012.06)	(C=*2012.06)	(D=*2012.06)	(E=*2012.06)	(F=*2012.06)				
2	2	123900-77700	ROTOR ASSY	1	1	1	1	1	1		
3	2	123900-77730	BRACKET ASSY	1	1	1	1	1	1		
4	2	128271-77730	BRACKET(STATOR+REGUL	1	1	1	1	1	1		
5	2	128271-77740	PULLEY	1	1	1	1	1	1		
6	2	128271-77750	SCREW KIT	1	1	1	1	1	1		
7	2	129900-77810	BEARING, BALL	1	1	1	1	1	1		

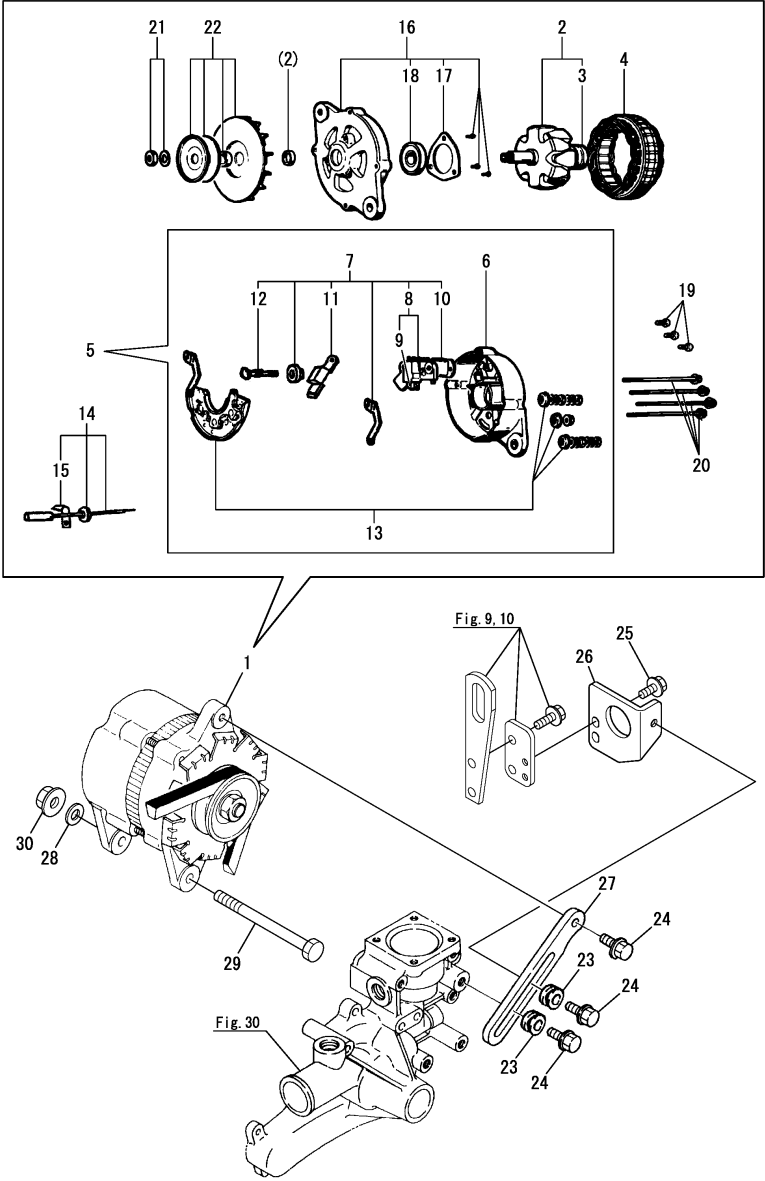
Remarks
(1)Interchangeable by simultaneous replacement with Fig.61A No.2,11 and wireharness.

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

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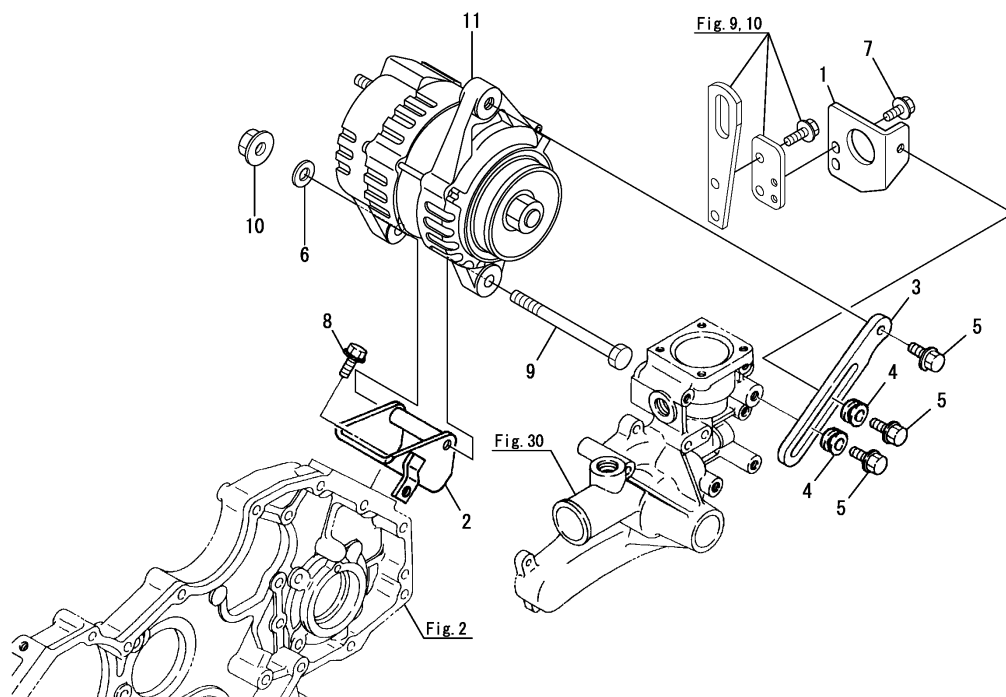
Fig.61. GENERATOR(12V-80A,HITACHI,OPTIONAL)(UP TO 2012.6)

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119573-77201	ALTERNATER(12V-80A	1	1	1	1	1	1		
1-1	1	119573-77201	ALTERNATER(12V-80A	1	1	1	1	1	1	Z	1
(A=*2012.06) (B=*2012.06) (C=*2012.06) (D=*2012.06) (E=*2012.06) (F=*2012.06)											
2	2	XL180G61000	ROTOR ASSY	1	1	1	1	1	1		
3	3	119129-77320	BALL BEARING	1	1	1	1	1	1		
4	2	XL180120000	STATOR ASSY	1	1	1	1	1	1		
5	2	XL180G63006	COVER ASSY, REAR	1	1	1	1	1	1		
6	3	XL180G13012	COVER, REAR	1	1	1	1	1	1		
7	3	XL180G43150	BRUSH ASSY,REGULATOR	1	1	1	1	1	1		
8	4	XL155G1330	BRUSH ASSY	1	1	1	1	1	1		
9	4	XL225G1325	BRUSH SET	2	2	2	2	2	2		
10	4	124080-77390	REGULATOR ASSY	1	1	1	1	1	1		
11	4	XL225431800	CONDENSER ASSY	1	1	1	1	1	1		
12	4	124080-77520	BOLT M5	2	2	2	2	2	2		
13	3	XL1808320	DIODE ASY	1	1	1	1	1	1		
14	3	119129-77250	WIRE, LEAD	1	1	1	1	1	1		
15	4	119129-77260	CLAMP	1	1	1	1	1	1		
16	2	XL235340110	COVER ASSY, FRONT	1	1	1	1	1	1		
17	3	XL150M14041	RETAINER	1	1	1	1	1	1		
18	3	X6303BM0000	BEARING, BALL	1	1	1	1	1	1		
19	3	119129-77930	SCREW KIT	1	1	1	1	1	1		
20	2	119129-77890	BOLT, THROUGH	4	4	4	4	4	4		
21	2	119129-77900	NUT ASSY, PULLEY	1	1	1	1	1	1		
22	2	XL180G85001	PULLEY ASSY	1	1	1	1	1	1		
23	1	121236-77340	SPACER	1	1	1	1	1	1	W	
(A=E51115) (B=EA0634)											
23-1	1	121236-77340	SPACER	2	2	2	2	2	2	K	
(A=EXXXXXX) (B=EXXXXXX) (C=EXXXXXX) (D=EXXXXXX) (E=EXXXXXX) (F=EXXXXXX)											
24	1	119005-77350	BOLT, M8X25	1	1	1	1	1	1	W	
(A=E51115) (B=EA0634)											
24-1	1	119005-77350	BOLT, M8X25	3	3	3	3	3	3	K	
(A=EXXXXXX) (B=EXXXXXX) (C=EXXXXXX) (D=EXXXXXX) (E=EXXXXXX) (F=EXXXXXX)											
25	1	26106-080142	BOLT, M8X 14 PLATED	2	2	2	2	2	2	W	
(A=E51029) (B=EA0624)											
26	1	119172-77150	SUPPORT	1	1	1	1	1	1	W	
(A=E51115) (B=EA0634)											
27	1	119171-77330	ADJUSTER, BELT	1	1	1	1	1	1	W	
(A=EXXXXXX) (B=EXXXXXX) (C=EXXXXXX) (D=EXXXXXX) (E=EXXXXXX) (F=EXXXXXX)											
28	1	22137-100000	WASHER, 10	1	1	1	1	1	1	W	
(A=EXXXXXX) (B=EXXXXXX) (C=EXXXXXX) (D=EXXXXXX) (E=EXXXXXX) (F=EXXXXXX)											
29	1	26116-101202	BOLT, M10X120 PLATED	1	1	1	1	1	1	W	
(A=EXXXXXX) (B=EXXXXXX) (C=EXXXXXX) (D=EXXXXXX) (E=EXXXXXX) (F=EXXXXXX)											
30	1	26306-100002	NUT, M10	1	1	1	1	1	1	W	
(A=EXXXXXX) (B=EXXXXXX) (C=EXXXXXX) (D=EXXXXXX) (E=EXXXXXX) (F=EXXXXXX)											

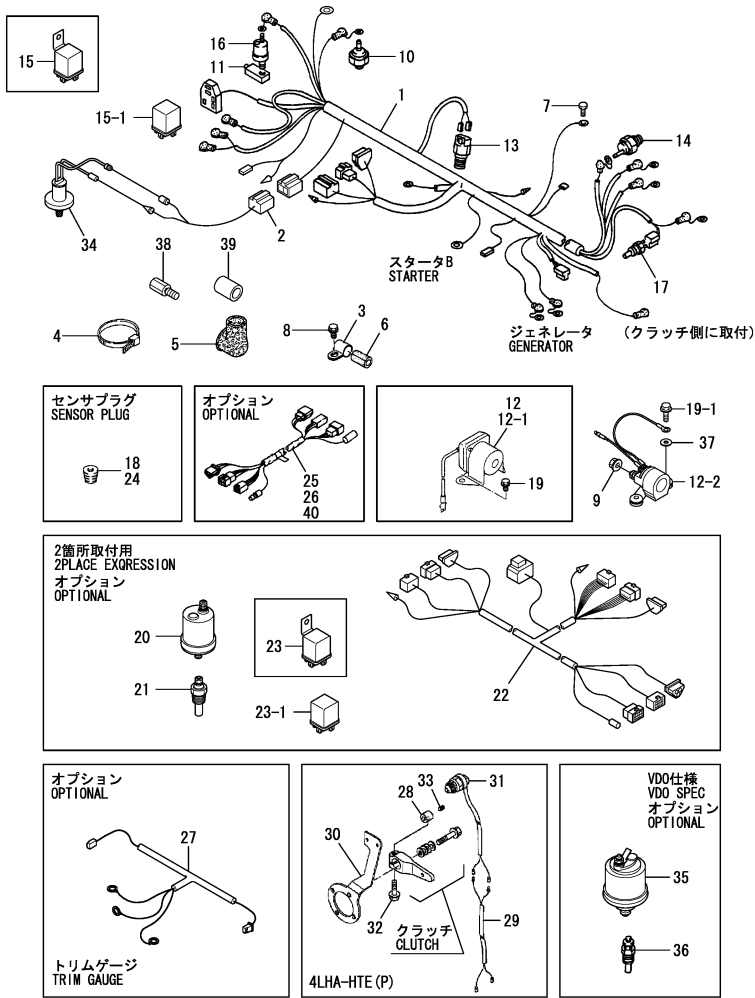
Remarks
(1)Interchangeable by simultaneous replacement with Fig.61A No.2,11 and wireharness.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119172-77150	SUPPORT	1	1	1	1	1	1		
2	1	119175-77280	BRACKET,ALTERNATOR	1	1	1	1	1	1	W	
		(A=*2012.07)	(B=*2012.07)	(C=*2012.07)	(D=*2012.07)	(E=*2012.07)		(F=*2012.07)			
3	1	119171-77330	ADJUSTER, BELT	1	1	1	1	1	1		
4	1	121236-77340	SPACER	2	2	2	2	2	2		
5	1	119005-77350	BOLT, M8X25	3	3	3	3	3	3		
6	1	22137-100000	WASHER, 10	1	1	1	1	1	1		
7	1	26106-080142	BOLT, M8X 14 PLATED	2	2	2	2	2	2		
8	1	26106-080202	BOLT, M8X 20 PLATED	4	4	4	4	4	4		
9	1	26106-101102	BOLT, M10X110 PLATED	1	1	1	1	1	1		
10	1	26306-100002	NUT, M10	1	1	1	1	1	1		
11	1	129908-77200	ALTERNATOR	1	1	1	1	1	1	W	
		(A=*2012.07)	(B=*2012.07)	(C=*2012.07)	(D=*2012.07)	(E=*2012.07)		(F=*2012.07)			

Fig.62. WIRE HARNESS & SENSOR

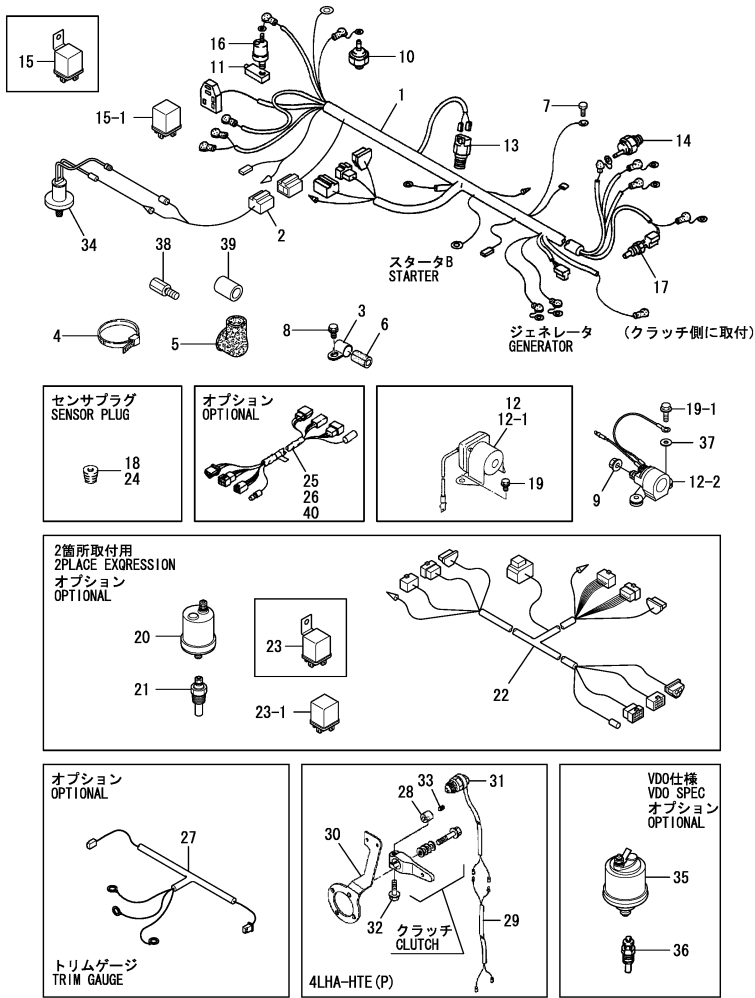
(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119175-77810	HARNESS, WIRE	1	1						
1-1	1	119173-77851	HARNESS, WIRE	1	1	1	1			N	
(A=E50717) (B=EA0491)											
1-2	1	119173-77860	HARNESS, WIRE	1	1	1	1			R	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)											
1-3	1	119173-77861	HARNESS, WIRE	1	1	1	1			F	3
(A=*2012.07) (B=*2012.07) (C=*2012.07) (D=*2012.07)											
1A	1	119172-77820	HARNESS, WIRE					1	1		
1A-1	1	119172-77830	HARNESS, WIRE					1	1	R	
1A-2	1	119172-77831	HARNESS, WIRE					1	1	F	3
2	1	119175-77850	HARNESS, WIRE	1	1					W	
(A=E50717) (B=EA0491)											
3	1	124770-49310	RETAINER			1	1	1	1		
4	1	121750-59890	BAND, 140			1	1	1	1		
5	1	124550-77030	COVER, TERMINAL			1	1	1	1		
5-1	1	119773-77030	COVER			1	1	1	1	R	
(C=EXXXXX) (D=EXXXXX) (E=EXXXXX) (F=EXXXXX)											
6	1	123682-77710	PROTECTOR			1	1	1	1		
7	1	26106-080122	BOLT, M8X 12 PLATED	1	1	1	1	1	1		
8	1	26106-080162	BOLT, M8X 16 PLATED	1	1	1	1	1	1		
9	1	26366-060002	NUT, M6	2	2	2	2	2	2		
10	1	124060-39451	SWITCH, 0.2KG	1	1						
10-1	1	124060-39452	SWITCH, 0.2KG	1	1	1	1	1	1	N	
(A=E50979) (B=EA0615)											
11	1	123482-39680	DAMPER	1	1	1	1	1	1		
12	1	129100-77910	RELAY, MAGNETIC	1	1						
12-1	1	129490-77910	RELAY, STARTER	1	1	1	1	1	1	N	
(A=E50290) (B=E50293)											
12-2	1	119575-77510	RELAY, STARTER	1	1	1	1	1	1	F	2
(A=*2004.06) (B=*2004.06) (C=*2004.06) (D=*2004.06) (E=*2004.06) (F=*2004.06)											
12-3	1	119575-77511	RELAY, STARTER	1	1	1	1	1	1	N	
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX) (E=EXXXXX) (F=EXXXXX)											
13	1	128170-91160	SENSOR	1	1	1	1	1	1		
14	1	127610-91350	SWITCH, 95	1	1	1	1	1	1		
15	1	124617-91850	RELAY	1	1						
15-1	1	119773-91850	RELAY	1	1	1	1			N	
(A=E50979) (B=EA0615)											
16	1	119773-91500	SENDER	1	1						
16-1	1	119773-91501	SENSOR	1	1	1	1	1	1	N	
(A=E51410) (B=EA0821)											
17	1	144626-91570	SENDER UNIT	1	1	1	1	1	1		
18	1	23871-030000	PLUG, R03	2	2						
18-1	1	23876-030000	PLUG, R03	2	2	2	2	2	2	N	
(A=E50582) (B=EA0421)											
19	1	26106-060122	BOLT, M6X 12 PLATED	2	2	2	2	2	2		
19-1	1	26106-060202	BOLT, M6X 20 PLATED	2	2	2	2	2	2	F	2
(A=*2004.06) (B=*2004.06) (C=*2004.06) (D=*2004.06) (E=*2004.06) (F=*2004.06)											
20	1	129574-91560	SENSOR	1	1						1
20-1	1	129574-91561	SENSOR	1	1	1	1	1	1	N	1

Remarks
(1)Optional.
(2)Interchangeable by simultaneous replacement with Ref.No.12-2,19-1, 37.
(3)Interchangeable by simultaneous replacement with Fig.61A No.2,11.
(Remodeling of the generator to Bosch products.)

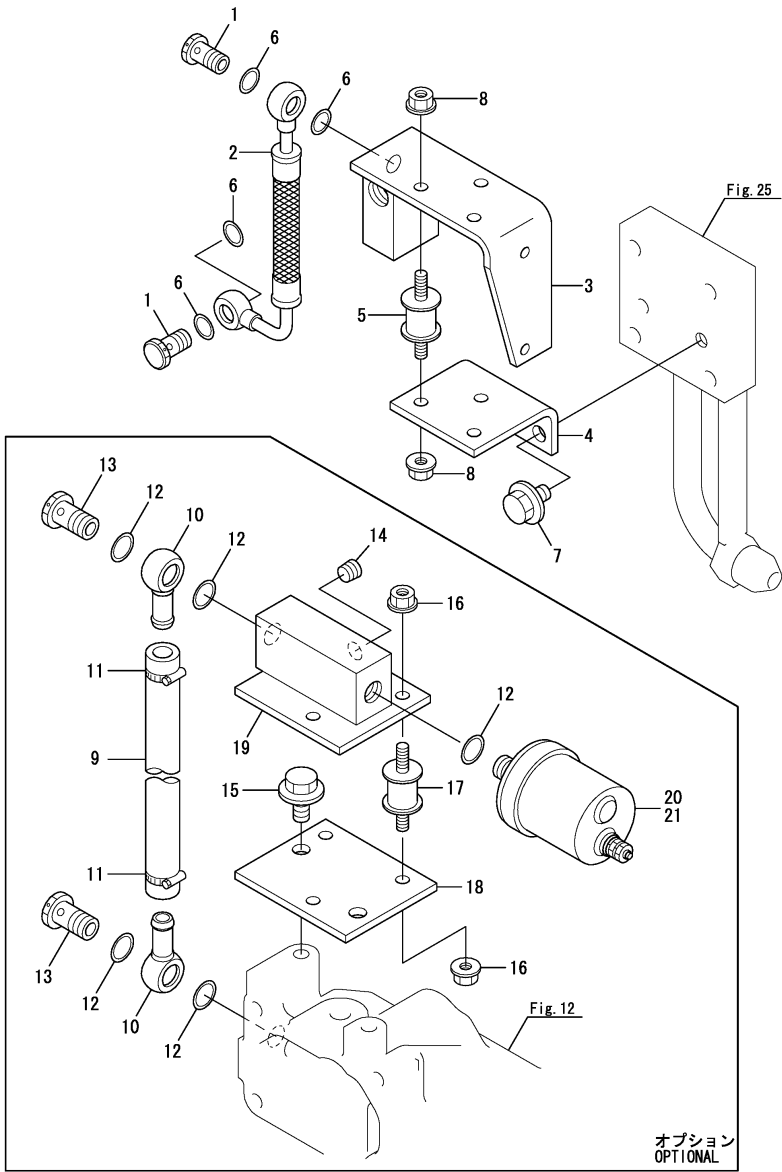
Fig.62. WIRE HARNESS & SENSOR



Remarks
(1)Optional.
(2)Interchangeable by simultaneous replacement with Ref.No.12-2,19-1, 37.
(3)Interchangeable by simultaneous replacement with Fig.61A No.2,11.
(Remodeling of the generator to Bosch products.)

0CR10-M47803 Fig.62												
				(A)=4LHA-STE(P) (B)=4LHA-STZE(P) (C)=4LHA-DTE(P)	(D)=4LHA-DTZE(P) (E)=4LHA-HTE(P) (F)=4LHA-HTZE(P)							
No.	Lev.	Parts No.	Description	Q'ty						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
		(A=E52121)	(B=*2001.06)									
21	1	129574-91570	SENSOR	1	1	1	1	1	1		1	
22	1	129574-77980	HARNESS, WIRE	1	1	1	1	1	1		1	
23	1	124617-91850	RELAY	1	1						1	
23-1	1	119773-91850	RELAY	1	1	1	1	1	1	N	1	
		(A=E50979)	(B=EA0615)									
24	1	23876-010000	PLUG, R01	1	1	1	1	1	1			
25	1	129574-77710	HARNESS, WIRE 4M	1	1	1	1	1	1		1	
26	1	129574-77720	HARNESS, WIRE 6M	1	1	1	1	1	1		1	
27	1	119778-91500	HARNESS, WIRE		1		1			1	W 1	
		(B=EA0463)										
28	1	177074-06300	CONTACT						1		1	
29	1	177074-06350	HARNESS, WIRE						1		1	
30	1	177074-06600	STAY						1		1	
31	1	120270-77101	SWITCH, SAFETY						1		1	
32	1	26106-080302	BOLT, M8X 30 PLATED						1		1	
33	1	26979-040082	SCREW, M4X 8						1		1	
34	1	119773-91380	SWITCH, PRESSURE	1	1							
35	1	119773-91650	SENSOR	1	1	1	1	1	1			
36	1	119773-91700	SENDER	1	1	1	1	1	1			
37	1	183350-55130	WASHER	2	2	2	2	2	2	W	2	
		(A=*2004.06)	(B=*2004.06)	(C=*2004.06)	(D=*2004.06)	(E=*2004.06)	(F=*2004.06)					
38	1	119175-77500	BOLT	1	1	1	1	1	1	1	W	
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)	(E=EXXXXX)	(F=EXXXXX)					
39	1	119175-77800	COVER	1	1	1	1	1	1	1	W	
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)	(E=EXXXXX)	(F=EXXXXX)					
40	1	129574-77740	HARNESS, WIRE 10M	1	1	1	1	1	1	1	W	
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)	(D=EXXXXX)	(E=EXXXXX)	(F=EXXXXX)					

Fig.63. SENSOR MOUNT



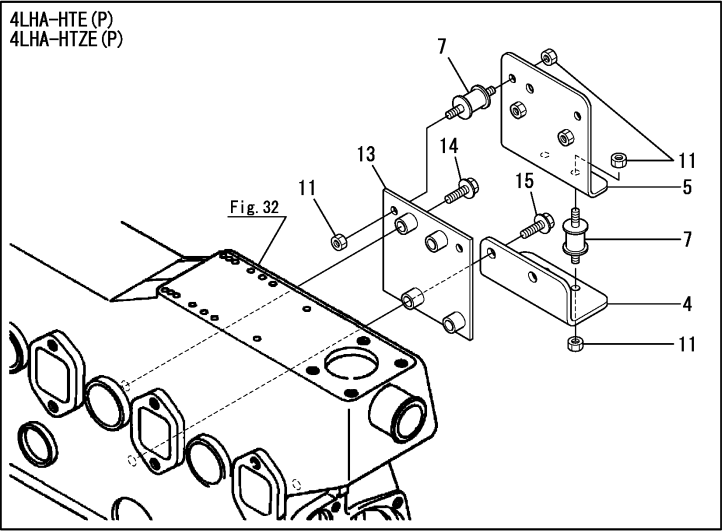
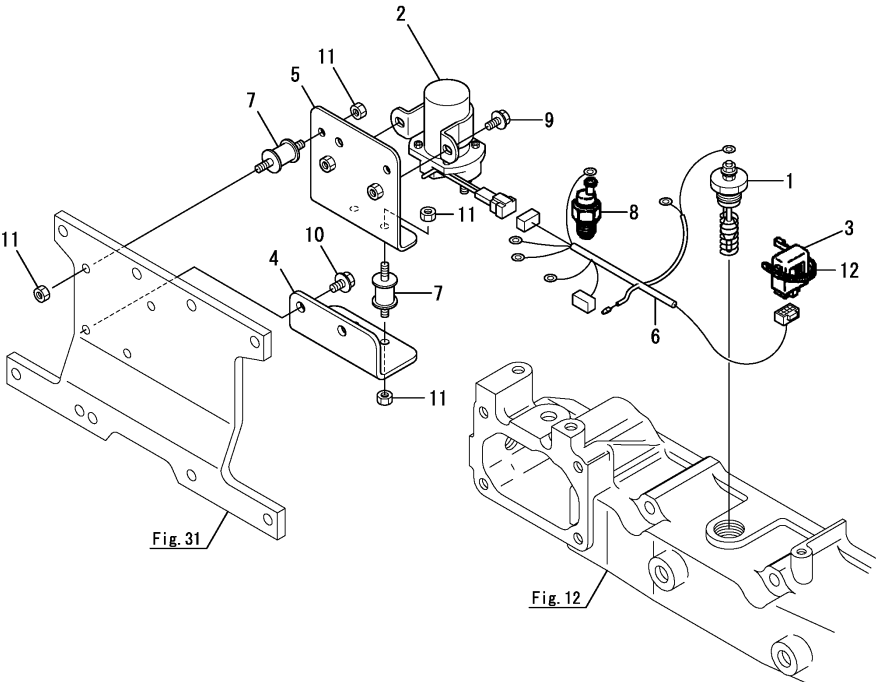
Remarks
(1)Optional.
(2)VDO:Boost sendor

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

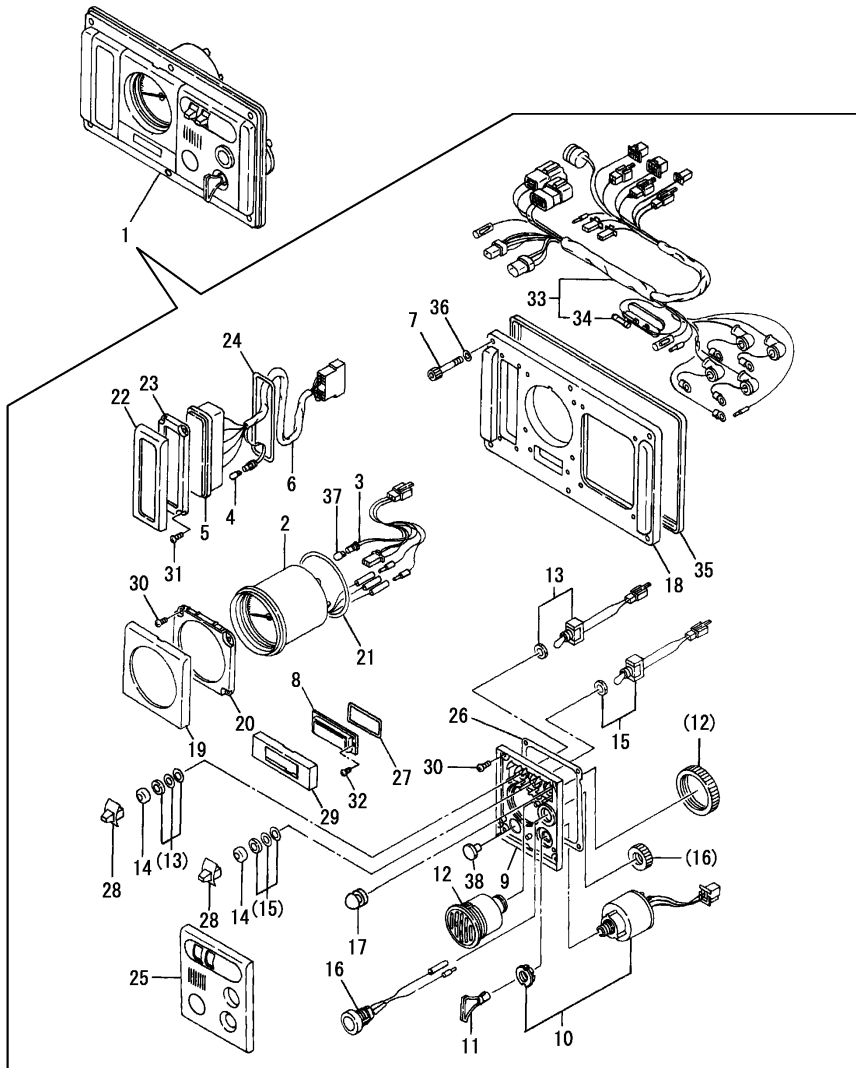
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	121252-39150	BOLT, JOINT M10X1.5	2	2	2	2	2	2		
2	1	119175-39600	PIPE, OIL	1	1	1	1	1	1		
3	1	119175-91030	BRACKET	1	1	1	1	1	1		
4	1	119175-91040	BRACKET	1	1	1	1	1	1		
5	1	119175-91050	ABSORBER	3	3	3	3	3	3		
6	1	23414-100000	GASKET, 10X1.0	4	4	4	4	4	4		
7	1	26106-080122	BOLT, M8X 12 PLATED	2	2	2	2	2	2		
8	1	26366-060002	NUT, M6	6	6	6	6	6	6		
9	1	119574-18490	HOSE	1	1	1	1	1	1		1
10	1	104264-59020	JOINT	2	2	2	2	2	2		1
11	1	23000-013000	CLAMP, 13	2	2	2	2	2	2		1
11-1	1	119172-48130	CLIP, HOSE 13	2	2	2	2	2	2	N	1
(A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX) (E=EXXXXX) (F=EXXXXX)											
12	1	23414-120000	GASKET, 12X1.0	5	5	5	5	5	5		1
13	1	23857-060000	BOLT, JOINT 6	2	2	2	2	2	2		1
14	1	23876-010000	PLUG, R01	1	1	1	1	1	1		1
15	1	26106-080162	BOLT, M8X 16 PLATED	2	2	2	2	2	2		1
16	1	26367-060002	NUT, M6	6	6	6	6	6	6		1
17	1	119175-91050	ABSORBER	3	3	3	3	3	3		1
18	1	119175-91080	PLATE	1	1						1
18-1	1	119175-91070	PLATE	1	1	1	1	1	1	N	1
(A=E52121) (B=*2001.06)											
19	1	119175-91090	BRACKET	1	1	1	1	1	1		1
20	1	119773-91300	SENSOR	1	1						1
20-1	1	119773-91301	SENSOR	1	1	1	1	1	1	N	1
(A=E52063) (B=*2001.04)											
21	1	119773-91600	SENDER	1	1	1	1	1	1		2

Fig.64. HEATER PLUG(OPTIONAL)

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

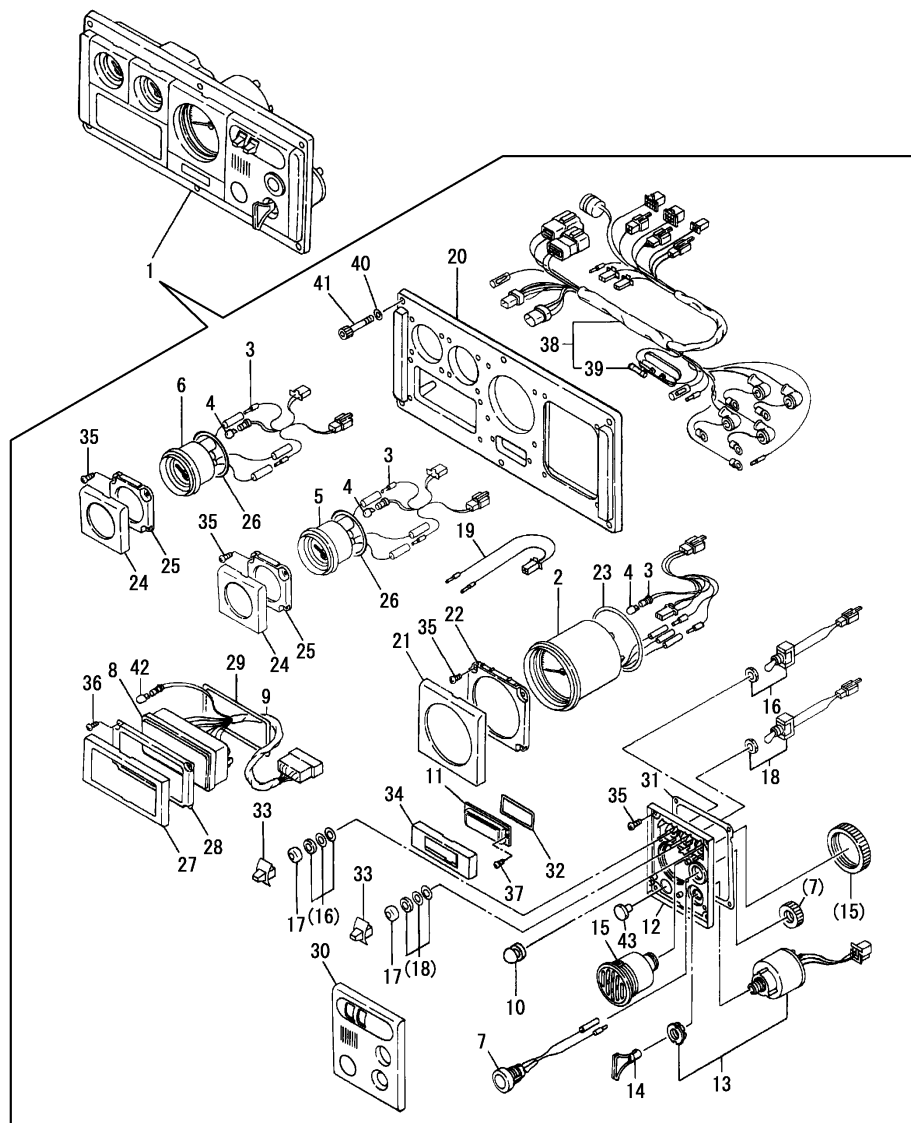


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119575-77050	PLUG	2	2	2	2	2	2		
2	1	119575-77060	RELAY, HEATER	1	1	1	1	1	1		
3	1	119575-77070	CONTROLLER	1	1						
3-1	1	119575-77071 (A=E51251) (B=EA0706)	CONTROLLER	1	1	1	1	1	1	N	
4	1	119175-77600	BRACKET	1	1	1	1	1	1		
5	1	119175-77610	BRACKET	1	1	1	1	1	1		
5-1	1	119175-77620 (A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX) (E=EXXXXX) (F=EXXXXX)	BRACKET	1	1	1	1	1	1	R	
6	1	119173-77880	HARNESS, WIRE	1	1	1	1	1	1		
6-1	1	119173-77900 (A=EXXXXX) (B=EXXXXX) (C=EXXXXX) (D=EXXXXX) (E=EXXXXX) (F=EXXXXX)	HARNESS, WIRE	1	1	1	1	1	1	R	
6-2	1	119173-77901 (A=*2012.08) (B=*2012.08) (C=*2012.08) (D=*2012.08)	HARNESS, HEATER RELAY	1	1	1	1	1	1	N	
7	1	119175-91050	ABSORBER	4	4	4	4	4	4		
8	1	124616-91370	SWITCH, 42	1	1	1	1	1	1		
9	1	26106-060122	BOLT, M6X 12 PLATED	2	2	2	2	2	2		
10	1	26106-080142	BOLT, M8X 14 PLATED	2	2	2	2				
11	1	26366-060002	NUT, M6	8	8	8	8	8	8		
12	1	29622-250001	BAND, RF250	2	2	2	2	2	2		
13	1	119172-77650	BRACKET							1	1
14	1	26106-080252	BOLT, M8X 25 PLATED							2	2
15	1	26106-080282	BOLT, M8X 28 PLATED							2	2



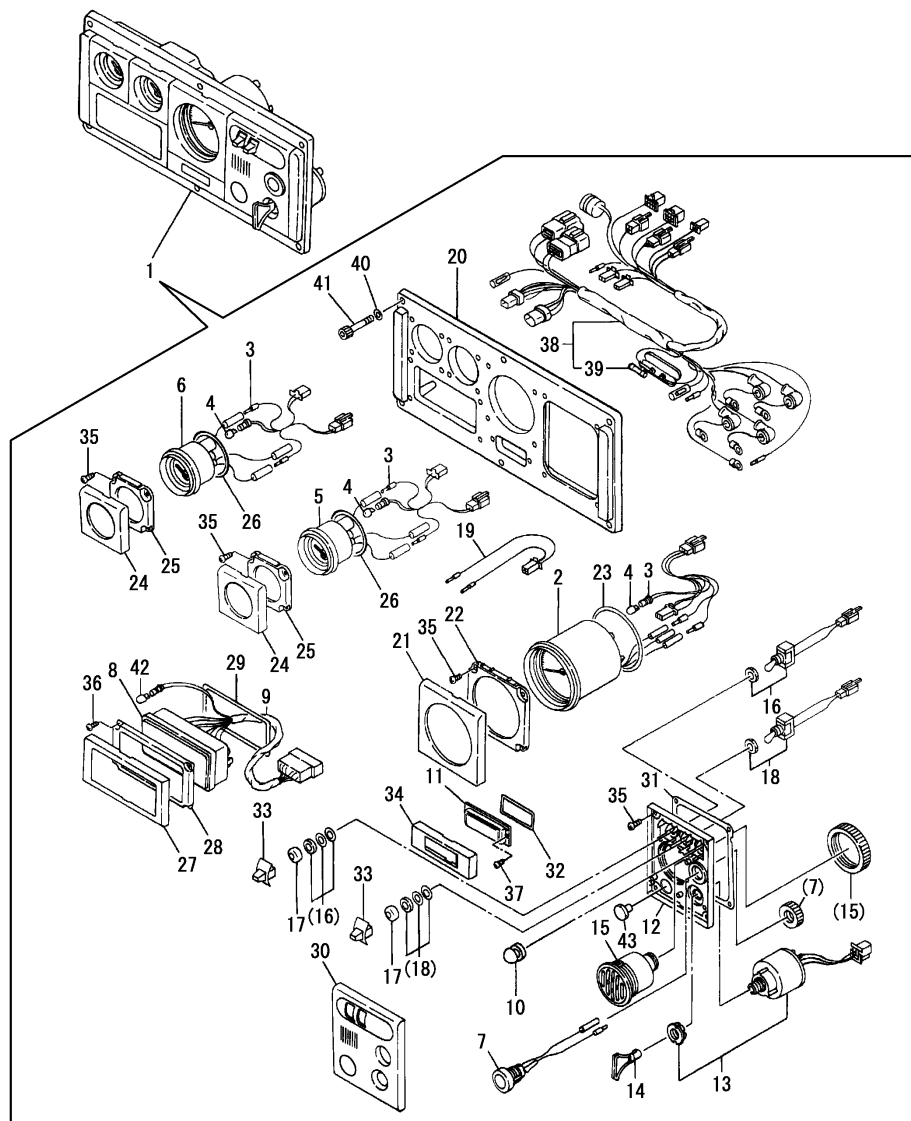
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119175-91130	PANEL, INSTRUMENT B	1	1						
1-1	1	119175-91131	PANEL, INSTRUMENT B	1	1	1	1	1	1	1	N
		(A=E50759)	(B=EA0515)								
2	2	129574-91200	METER KIT	1	1	1	1	1	1		
3	2	129574-91870	HARNESS, WIRE	1	1	1	1	1	1		
4	2	124617-91980	BULB, 12V-1.7W	6	6	6	6	6	6		
5	2	119773-91260	BOX	1	1						
5-1	2	119773-91261	BOX	1	1	1	1	1	1	1	N
		(A=E50759)	(B=EA0515)								
6	2	119773-91240	HARNESS, WIRE	1	1	1	1	1	1		
7	2	127687-91870	BOLT, M6X35	6	6	6	6	6	6		
8	2	129170-91650	COVER	1	1	1	1	1	1		
9	2	129574-91410	BRACKET, SWITCH	1	1	1	1	1	1		
10	2	121575-91250	SWITCH, KEY	1	1	1	1	1	1		
11	2	123482-91291	KEY	1	1	1	1	1	1		
12	2	104271-91352	BUZZER	1	1	1	1	1	1		
13	2	129170-91800	SWITCH	1	1	1	1	1	1		
14	2	129574-91780	CAP, RUBBER	2	2	2	2	2	2		
15	2	129574-91790	SWITCH	1	1	1	1	1	1		
16	2	129470-91190	SWITCH, STOP	1	1	1	1	1	1		
17	2	129170-91810	COVER	1	1	1	1	1	1		
18	2	128391-91930	PANEL	1	1	1	1	1	1		
19	2	129574-91620	BEZEL	1	1	1	1	1	1		
20	2	129574-91420	BRACKET	1	1	1	1	1	1		
21	2	129574-91720	GASKET	1	1	1	1	1	1		
22	2	128391-91640	BEZEL	1	1	1	1	1	1		
23	2	128391-91440	PLATE	1	1	1	1	1	1		
24	2	128391-91740	GASKET	1	1	1	1	1	1		
25	2	129170-91610	BEZEL	1	1	1	1	1	1		
26	2	129574-91710	GASKET	1	1	1	1	1	1		
27	2	129574-91750	GASKET	1	1	1	1	1	1		
28	2	129574-91770	KNOB	2	2	2	2	2	2		
29	2	129574-91650	BEZEL	1	1	1	1	1	1		
30	2	127692-91410	SCREW	8	8	8	8	8	8		
31	2	127692-91440	SCREW	4	4	4	4	4	4		
32	2	127692-91450	SCREW	2	2	2	2	2	2		
33	2	119773-91140	HARNESS, WIRE	1	1						
33-1	2	119773-91141	HARNESS, WIRE	1	1	1	1	1	1	1	N
		(A=E50759)	(B=EA0515)								
34	3	124617-91990	FUSE	1	1	1	1	1	1		
35	2	128391-91700	GASKET	1	1	1	1	1	1		
36	2	127687-91880	WASHER	6	6	6	6	6	6		
37	2	124617-91980	BULB, 12V-1.7W	1	1	1	1	1	1		
38	2	129574-91760	COVER	1	1	1	1	1	1		

Fig.66. INSTRUMENT PANEL(C-TYPE,OPTIONAL)



				(A)=4LHA-STE(P) (B)=4LHA-STZE(P) (C)=4LHA-DTE(P)			(D)=4LHA-DTZE(P) (E)=4LHA-HTE(P) (F)=4LHA-HTZE(P)			
No.	Lev.	Parts No.	Description	Q'ty						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
1	1	119175-91160	PANEL, INSTRUMENT C	1	1					
1-1	1	119175-91161 (A=E50759)	PANEL, INSTRUMENT C (B=EA0515)	1	1					N
1-2	1	119175-91162 (A=E50906)	PANEL, INSTRUMENT C (B=EA0571)	1	1	1	1	1	1	S
1-3	1	119175-91163 (A=EXXXXX)	PANEL, INSTRUMENT C (B=EXXXXX) (C=EXXXXX) (D=EXXXXX)	1	1	1	1	1	1	R
2	2	129574-91200	METER KIT	1	1	1	1	1	1	
3	2	129574-91870	HARNESS, WIRE	3	3	3	3	3	3	
4	2	124617-91980	BULB, 12V-1.7W	4	4	4	4	4	4	
5	2	129574-91210	METER	1	1	1	1	1	1	
6	2	129574-91220	METER	1	1					
6-1	2	129574-91221 (A=E50906)	METER (B=EA0571)	1	1	1	1	1	1	S
7	2	129470-91190	SWITCH, STOP	1	1	1	1	1	1	
8	2	119773-91280	BOX	1	1					
8-1	2	119773-91281 (A=E50759)	BOX (B=EA0515)	1	1	1	1	1	1	N
9	2	119773-91230	HARNESS, WIRE	1	1					
9-1	2	119773-91231 (A=E50759)	HARNESS, WIRE (B=EA0515)	1	1	1	1	1	1	N
10	2	129170-91810	COVER	1	1	1	1	1	1	
11	2	129170-91650	COVER	1	1	1	1	1	1	
12	2	129574-91410	BRACKET, SWITCH	1	1	1	1	1	1	
13	2	121575-91250	SWITCH, KEY	1	1	1	1	1	1	
14	2	123482-91291	KEY	1	1	1	1	1	1	
15	2	104271-91352	BUZZER	1	1	1	1	1	1	
16	2	129170-91800	SWITCH	1	1	1	1	1	1	
17	2	129574-91780	CAP, RUBBER	2	2	2	2	2	2	
18	2	129574-91790	SWITCH	1	1	1	1	1	1	
19	2	129170-91890	HARNESS, WIRE	1	1	1	1	1	1	
20	2	129170-91930	PANEL	1	1	1	1	1	1	
21	2	129574-91620	BEZEL	1	1	1	1	1	1	
22	2	129574-91420	BRACKET	1	1	1	1	1	1	
23	2	129574-91720	GASKET	1	1	1	1	1	1	
24	2	129574-91630	BEZEL	2	2	2	2	2	2	
25	2	129574-91430	BRACKET	2	2	2	2	2	2	
26	2	129574-91730	GASKET	2	2	2	2	2	2	
27	2	129574-91640	BEZEL	1	1	1	1	1	1	
28	2	129574-91440	BRACKET	1	1	1	1	1	1	
29	2	129574-91740	GASKET	1	1	1	1	1	1	
30	2	129170-91610	BEZEL	1	1	1	1	1	1	
31	2	129574-91710	GASKET	1	1	1	1	1	1	
32	2	129574-91750	GASKET	1	1	1	1	1	1	
33	2	129574-91770	KNOB	2	2	2	2	2	2	
34	2	129574-91650	BEZEL	1	1	1	1	1	1	
35	2	127692-91410	SCREW	16	16	16	16	16	16	
36	2	127692-91440	SCREW	4	4	4	4	4	4	
37	2	127692-91450	SCREW	2	2	2	2	2	2	
38	2	119773-91170	HARNESS, WIRE	1	1					
38-1	2	119773-91171	HARNESS, WIRE	1	1	1	1	1	1	N

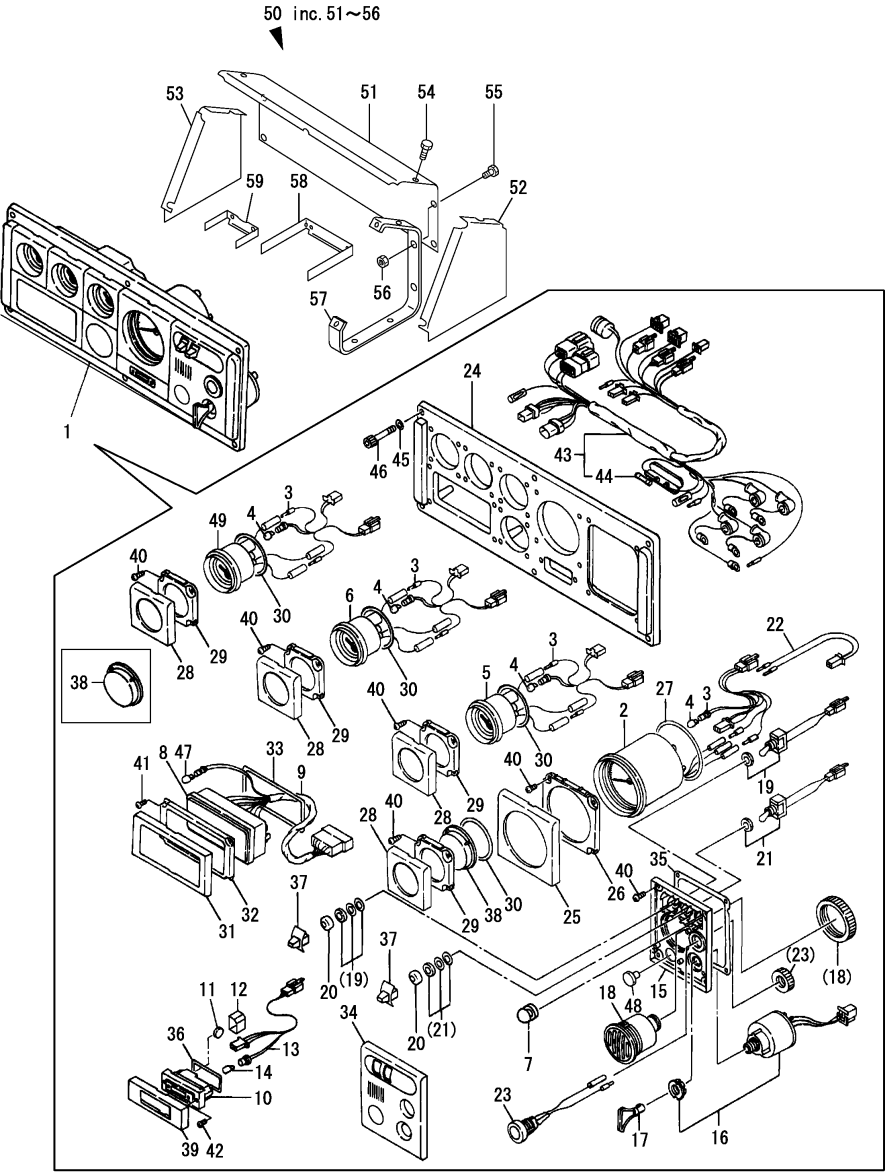
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 ++ CONTINUE ++
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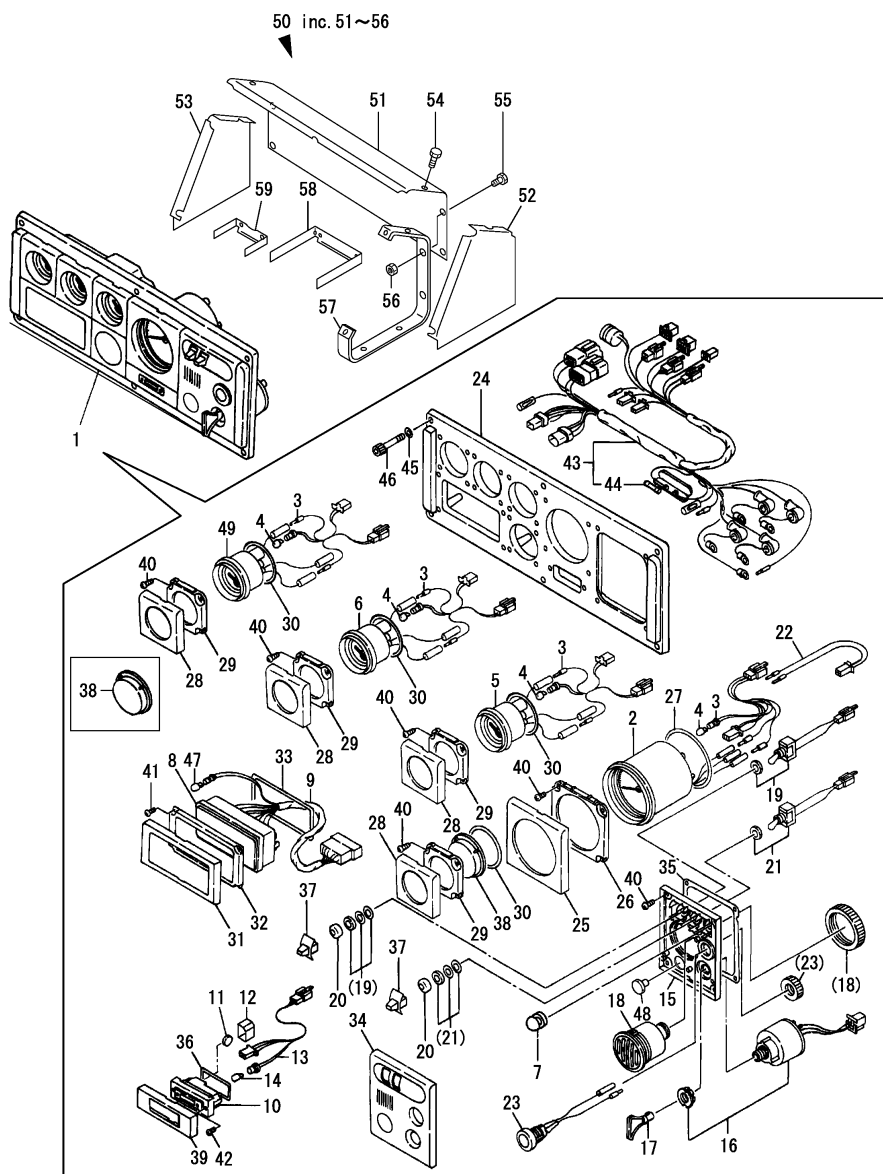
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
	(A=E50759)	(B=EA0515)									
39	3	124617-91990	FUSE	1	1	1	1	1	1		
40	2	127687-91880	WASHER	6	6	6	6	6	6		
41	2	127687-91870	BOLT, M6X35	6	6	6	6	6	6		
42	2	124617-91980	BULB, 12V-1.7W	8	8	8	8	8	8		
43	2	129574-91760	COVER	1	1	1	1	1	1		

Fig.67. INSTRUMENT PANEL(D-TYPE)(OPTIONAL)

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119175-91190	PANEL, INSTRUMENT	1	1						
1-1	1	119175-91191	PANEL, INSTRUMENT	1	1						N
(A=E50759) (B=EA0515)											
1-2	1	119175-91192	PANEL, INSTRUMENT D	1	1	1	1	1	1	1	S
(A=E50906) (B=EA0571)											
1-3	1	119175-91193	PANEL, INSTRUMENT D	1	1	1	1	1	1	1	R
(A=E50906) (B=EA0571)											
2	2	129574-91200	METER KIT,TACHO/HOUR	1	1	1	1	1	1	1	
3	2	129574-91870	HARNES, WIRE	3	3	3	3	3	3	3	
4	2	124617-91980	BULB, 12V-1.7W	4	4	4	4	4	4	4	
5	2	129574-91210	METER, WATER TEMP.	1	1	1	1	1	1	1	
6	2	129574-91220	METER, OIL PRESSUER	1	1						
6-1	2	129574-91221	METER	1	1	1	1	1	1	1	S
(A=E50906) (B=EA0571)											
7	2	129170-91810	COVER	1	1	1	1	1	1	1	
8	2	119773-91280	BOX	1	1						
8-1	2	119773-91281	BOX	1	1	1	1	1	1	1	N
(A=E50759) (B=EA0515)											
9	2	119773-91230	HARNES, WIRE	1	1						
9-1	2	119773-91231	HARNES, WIRE	1	1	1	1	1	1	1	N
(A=E50759) (B=EA0515)											
10	2	129574-91240	CLOCK	1	1	1	1	1	1	1	
11	2	127620-91250	CELL	1	1	1	1	1	1	1	
12	2	129574-91490	HOLDER	1	1	1	1	1	1	1	
13	2	129574-91880	HARNES, WIRE	1	1	1	1	1	1	1	
14	2	120147-91760	BULB	1	1	1	1	1	1	1	
15	2	129574-91410	BRACKET, SWITCH	1	1	1	1	1	1	1	
16	2	121575-91250	SWITCH, KEY	1	1	1	1	1	1	1	
17	2	123482-91291	SWITCH, KEY	1	1	1	1	1	1	1	
18	2	104271-91352	BUZZER	1	1	1	1	1	1	1	
19	2	129170-91800	SWITCH	1	1	1	1	1	1	1	
20	2	129574-91780	CAP, RUBBER	2	2	2	2	2	2	2	
21	2	129574-91790	SWITCH	1	1	1	1	1	1	1	
22	2	129574-91890	HARNES, WIRE	1	1	1	1	1	1	1	
23	2	129470-91190	SWITCH, STOP	1	1	1	1	1	1	1	
24	2	129574-91930	PANEL	1	1	1	1	1	1	1	
25	2	129574-91620	BEZEL	1	1	1	1	1	1	1	
26	2	129574-91420	BRACKET	1	1	1	1	1	1	1	
27	2	129574-91720	GASKET	1	1	1	1	1	1	1	
28	2	129574-91630	BEZEL	4	4	4	4	4	4	4	
29	2	129574-91430	BRACKET	4	4	4	4	4	4	4	
30	2	129574-91730	GASKET	4	4	4	4	4	4	4	
31	2	129574-91640	BEZEL	1	1	1	1	1	1	1	
32	2	129574-91440	BRACKET	1	1	1	1	1	1	1	
33	2	129574-91740	GASKET	1	1	1	1	1	1	1	
34	2	129170-91610	BEZEL	1	1	1	1	1	1	1	
35	2	129574-91710	GASKET	1	1	1	1	1	1	1	
36	2	129574-91750	GASKET	1	1	1	1	1	1	1	
37	2	129574-91770	KNOB	2	2	2	2	2	2	2	
38	2	129574-91600	COVER	2	2						
38-1	2	129574-91600	COVER	1	1	1	1	1	1	1	K



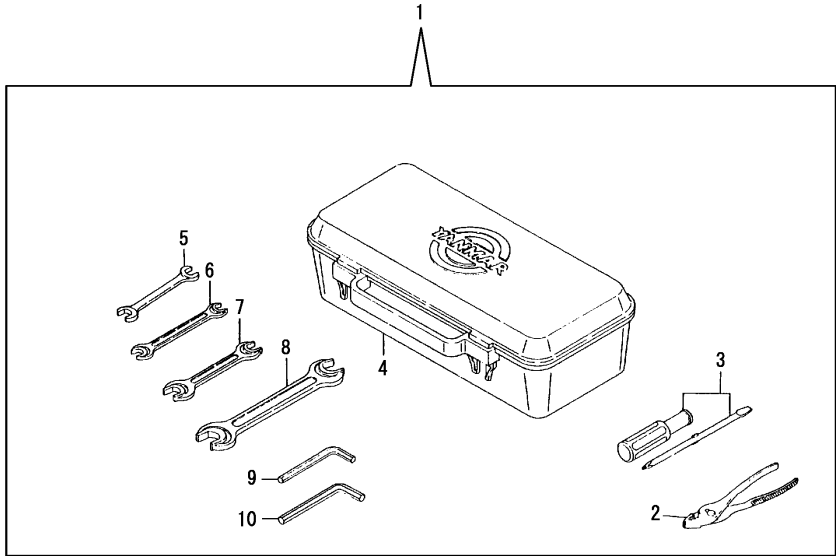
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
		(A=E50906)	(B=EA0571)								
39	2	129574-91650	BEZEL	1	1	1	1	1	1		
40	2	127692-91410	SCREW	24	24	24	24	24	24		
41	2	127692-91440	SCREW	4	4	4	4	4	4		
42	2	127692-91450	SCREW	2	2	2	2	2	2		
43	2	119773-91220	HARNES, WIRE	1	1						
43-1	2	119773-91221	HARNES, WIRE	1	1	1	1	1	1	1	N
		(A=E50759)	(B=EA0515)								
44	3	124617-91990	FUSE	1	1	1	1	1	1		
45	2	127687-91880	WASHER	6	6	6	6	6	6		
46	2	127687-91870	BOLT, M6X35	6	6	6	6	6	6		
47	2	124617-91980	BULB, 12V-1.7W	8	8	8	8	8	8		
48	2	129574-91760	COVER	1	1	1	1	1	1	1	
49	2	129574-91311	METER	1	1	1	1	1	1	1	W
		(A=E50906)	(B=EA0571)								
50	1	127692-91900	COVER, PANEL	1	1	1	1	1	1	1	1
51	2	127692-91950	COVER, PANEL	1	1	1	1	1	1		
52	2	129574-91960	COVER, PANEL	1	1	1	1	1	1		
53	2	129574-91970	COVER, PANEL	1	1	1	1	1	1		
54	2	26559-060122	SCREW, M6X12	2	2	2	2	2	2		
55	2	26556-060122	SCREW M 6X12	4	4	4	4	4	4	4	2
56	2	26716-060002	NUT, M6	4	4	4	4	4	4	4	2
57	1	129574-91530	BRACKET, PANEL	2	2	2	2	2	2	2	1
58	1	129574-91540	BRACKET	1	1	1	1	1	1	1	1
59	1	129574-91550	BRACKET	1	1	1	1	1	1	1	

(2) Not needed when mounting on the side.

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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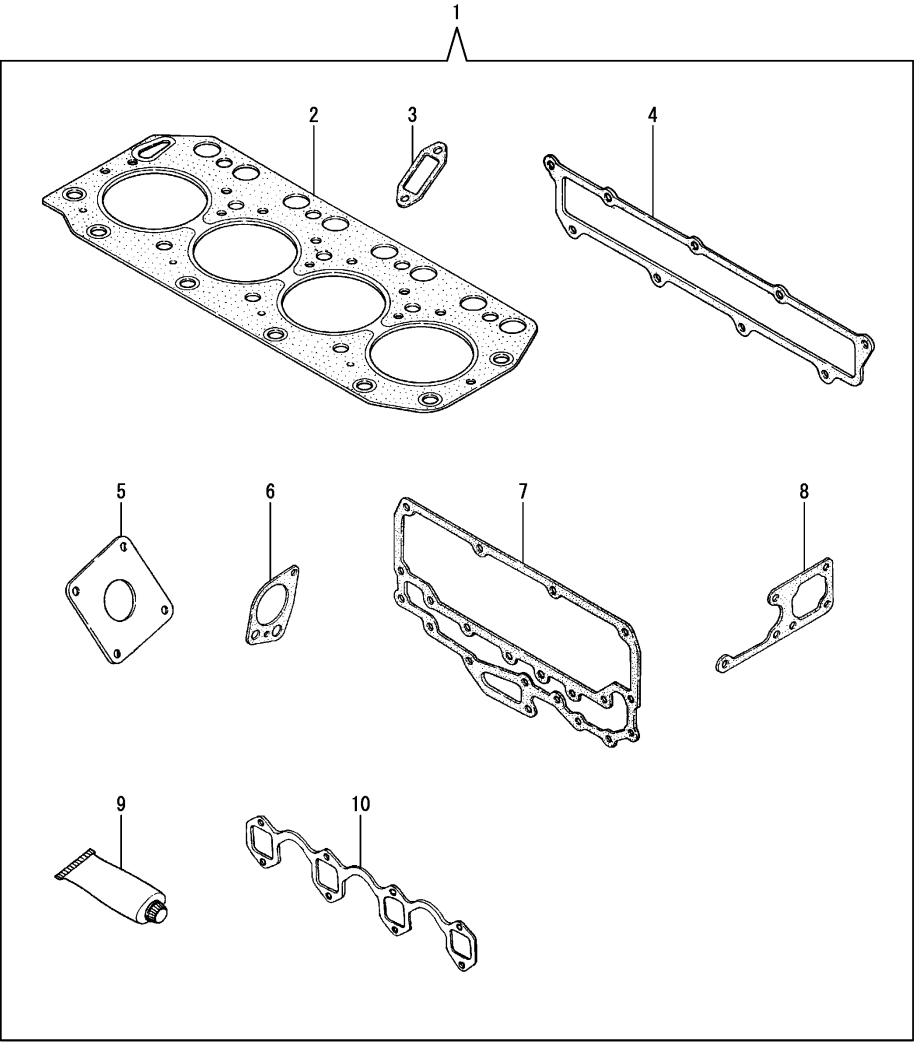
Fig.68. TOOL



(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	705311-92100	BOX ASSY, TOOL	1	1	1	1	1	1		
2	2	189010-92020	PLIER	1	1	1	1	1	1		
3	2	104200-92350	DRIVER, SCREW	1	1	1	1	1	1		
4	2	104200-92600	BOX, TOOL	1	1	1	1	1	1		
5	2	28110-100130	SPANNER, 10X13	1	1	1	1	1	1		
6	2	28110-120140	SPANNER, 12X14	1	1	1	1	1	1		
7	2	28110-170190	SPANNER, 17X19	1	1	1	1	1	1		
8	2	28110-220240	SPANNER, 22X24	1	1	1	1	1	1		
9	2	28150-050000	WRENCH, BAR 5	1	1	1	1	1	1		
10	2	28150-060000	WRENCH, BAR 6	1	1	1	1	1	1		

Fig.69. GASKET SET(OPTIONAL)

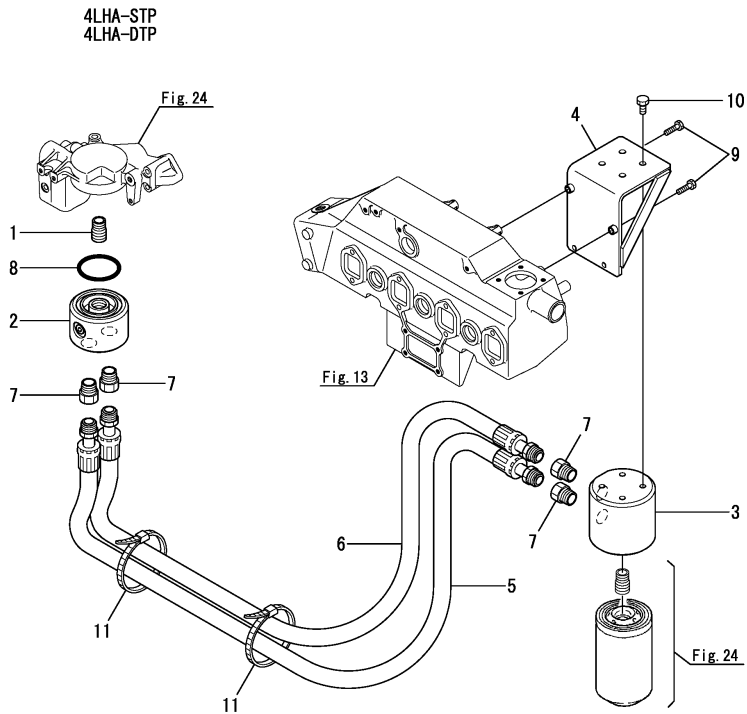


(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719173-92600	GASKET SET	1	1	1	1	1	1		
2	2	119174-01340	GASKET, HEAD T=1.3	1	1	1	1	1	1		
3	2	119000-01771	GASKET	1	1	1	1	1	1		
4	2	119100-12113	GASKET, MANIFOLD	1	1	1	1	1	1		
5	2	128300-13230	GASKET, SILENCER	1	1	1	1	1	1		
6	2	119000-32020	GASKET, PUMP	1	1	1	1	1	1		
7	2	119000-33022	GASKET	1	1	1	1	1	1		
8	2	119000-42021	GASKET, WATER PUMP	1	1	1	1	1	1		
9	2	977770-01212	GASKET, LIQUID	1	1	1	1	1	1		
10	2	119174-13201	GASKET, COOLER	1	1	1	1	1	1		

Fig.70. REMOTE LUB.OIL STRAINER(OPTIONAL)



(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

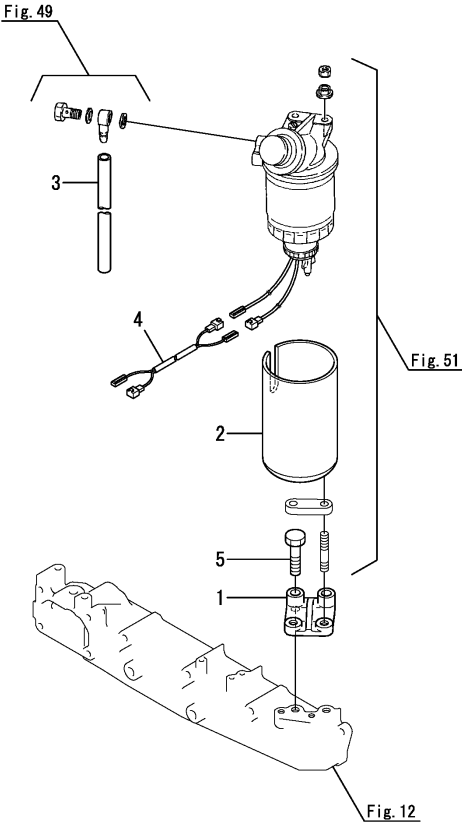
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119175-35180	BRACKET	1	1						1
2	1	119175-35300	ADAPTER, FILTER	1	1						1
3	1	119175-35310	ADAPTER, FILTER	1	1						1
4	1	119175-35320	BRACKET	1	1					W	1
		(A=*2002.06)	(C=*2002.06)								
5	1	119175-39100	PIPE, OIL	1	1						1
6	1	119175-39110	PIPE, OIL	1	1						1
7	1	119574-39200	JOINT	4	4						1
8	1	24311-000700	O-RING, 1AP70.0	1	1						1
9	1	26106-080302	BOLT, M8X 30 PLATED	4	4						1
10	1	26106-100222	BOLT, M10X 22 PLATED	4	4						1
11	1	29621-300000	BAND, TR300	2	2						1

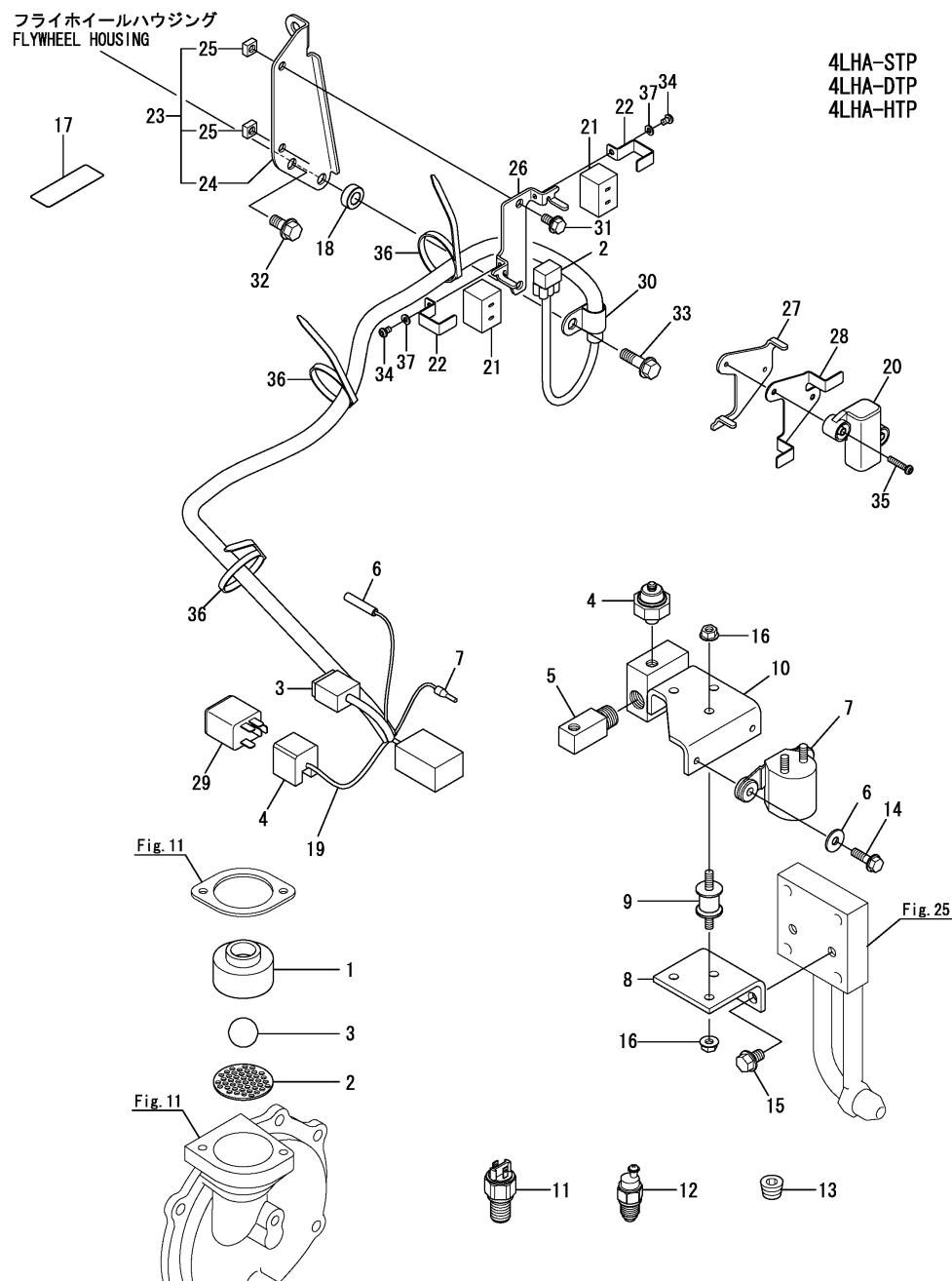
Remarks
(1)Only 4LHA-STP,4LHA-DTP is added.

Fig.71. KIT,FIREPROOF FUEL STRAINER(4LHA-HT(Z)E(P))

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)
(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119172-55650	BRACKET					1	1	W	
					(E=*2006.01)			(F=*2006.01)			
2	1	119172-55810	CASE KIT, FILTER					1	1	W	
					(E=*2006.01)			(F=*2006.01)			
3	1	119172-59210	PIPE, FUEL					1	1	W	
					(E=*2006.01)			(F=*2006.01)			
4	1	119172-77840	HARNESS, WIRE					1	1	W	
					(E=*2006.01)			(F=*2006.01)			
5	1	26106-100402	BOLT, M10X 40 PLATED					2	2	W	
					(E=*2006.01)			(F=*2006.01)			





No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119175-03250	BREATHER VALVE HOUSI	1		1		1			
2	1	119175-03260	PLATE,BAFFLE	1				1			
3	1	24190-280001	BALL, STEEL 7/8	1		1		1			
4	1	124060-39452	SWITCH, 0.2KG	1		1		1			
5	1	123482-39680	DAMPER	1		1		1			
6	1	183350-55130	WASHER	2		2		2			
7	1	119575-77511	RELAY, STARTER	1		1		1			
8	1	119175-91040	BRACKET	1		1		1			
9	1	119175-91050	ABSORBER	3		3		3			
10	1	119175-91060	BRACKET	1		1		1			
11	1	128170-91160	SENSOR	1		1		1			
12	1	127610-91350	SWITCH, 95	1		1		1			
13	1	23876-030000	PLUG, R03	2		2		2			
14	1	26106-060202	BOLT, M6X 20 PLATED	2		2		2			
15	1	26106-080122	BOLT, M8X 12 PLATED	2		2		2			
16	1	26366-060002	NUT, M6	6		6		6			
17	1	129198-07213	LABEL	1		1		1			
18	1	106500-44810	SPACER	1		1		1			
19	1	119175-77410	HARNES, WIRE	1		1		1			
20	1	119175-91510	SWITCH	1		1		1			
21	1	119175-91560	CUSHION	2		2		2			
22	1	119175-91600	SUPPORT	2		2		2			
23	1	119175-91610	BRACKET ASSY	1		1		1			
24	2	119175-91620	BRACKET	1		1		1			
25	2	26331-060002	NUT, M6	2		2		2			
26	1	119175-91630	BRACKET	1		1		1			
27	1	119175-91640	BRACKET	1		1		1			
28	1	119175-91650	BRACKET	1		1		1			
29	1	119773-91850	RELAY	1		1		1			
30	1	23297-140081	CLAMP, A14X 8	1		1		1			
31	1	26106-060122	BOLT, M6X 12 PLATED	2		2		2			
32	1	26106-080162	BOLT, M8X 16 PLATED	1		1		1			
33	1	26106-080252	BOLT, M8X 25 PLATED	1		1		1			
34	1	26557-040062	SCREW, M4X 6	2		2		2			
35	1	26557-040202	SCREW, M4X20	2		2		2			
36	1	29621-300000	BAND, TR300	3		3		3			
37	1	22217-040000	WASHER, SPRING 4	2		2		2			W
(A=EXXXXX)		(C=EXXXXX)		(E=EXXXXX)							

Fig.76. PTO FLANGE

(A)=4LHA-STE(P)
(B)=4LHA-STZE(P)
(C)=4LHA-DTE(P)

(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	777524-02121 (A=EXXXXX)	FLANGE KIT, PTO (C=EXXXXX)	1 (E=EXXXXX)		1		1		W	
2	2	177524-02210	GASKET, COVER	1		1		1			
2-1	2	177524-02211 (A=EXXXXX)	GASKET, COVER (C=EXXXXX)	1 (E=EXXXXX)		1		1		N	
3	2	177524-02221	FLANGE, SAE#A	1		1		1			
4	2	177524-02230	GASKET	1		1		1			
5	2	177524-03701	SLEEVE ASSY, SPLINE	1		1		1			
9	2	26106-080302	BOLT, M8X 30 PLATED	2		2		2			
10	2	26106-100352	BOLT, M10X 35 PLATED	2		2		2			

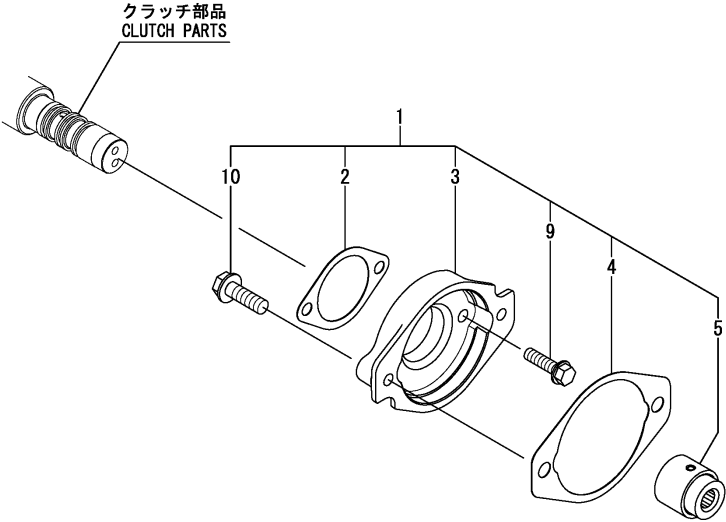


Fig.77. CLUTCH

(D)=4LHA-DTZE(P)
(E)=4LHA-HTE(P)
(F)=4LHA-HTZE(P)

[illegible]

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

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104200-92350	68	3
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104264-59020	12	11
	63	10
104264-59030	13	22
104271-91352	65	12
	66	15
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104407-44480	36	22
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114250-53400	46	16
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119000-01520	2	2
119000-01650	7	2
119000-01740	2	4
119000-01771	2	5
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119000-01840	1	13
119000-01880	1	11
119000-02020	1	20
119000-02410	1	5
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119171-25910	42	8
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119171-42300	30	6
119171-42500	29	1
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