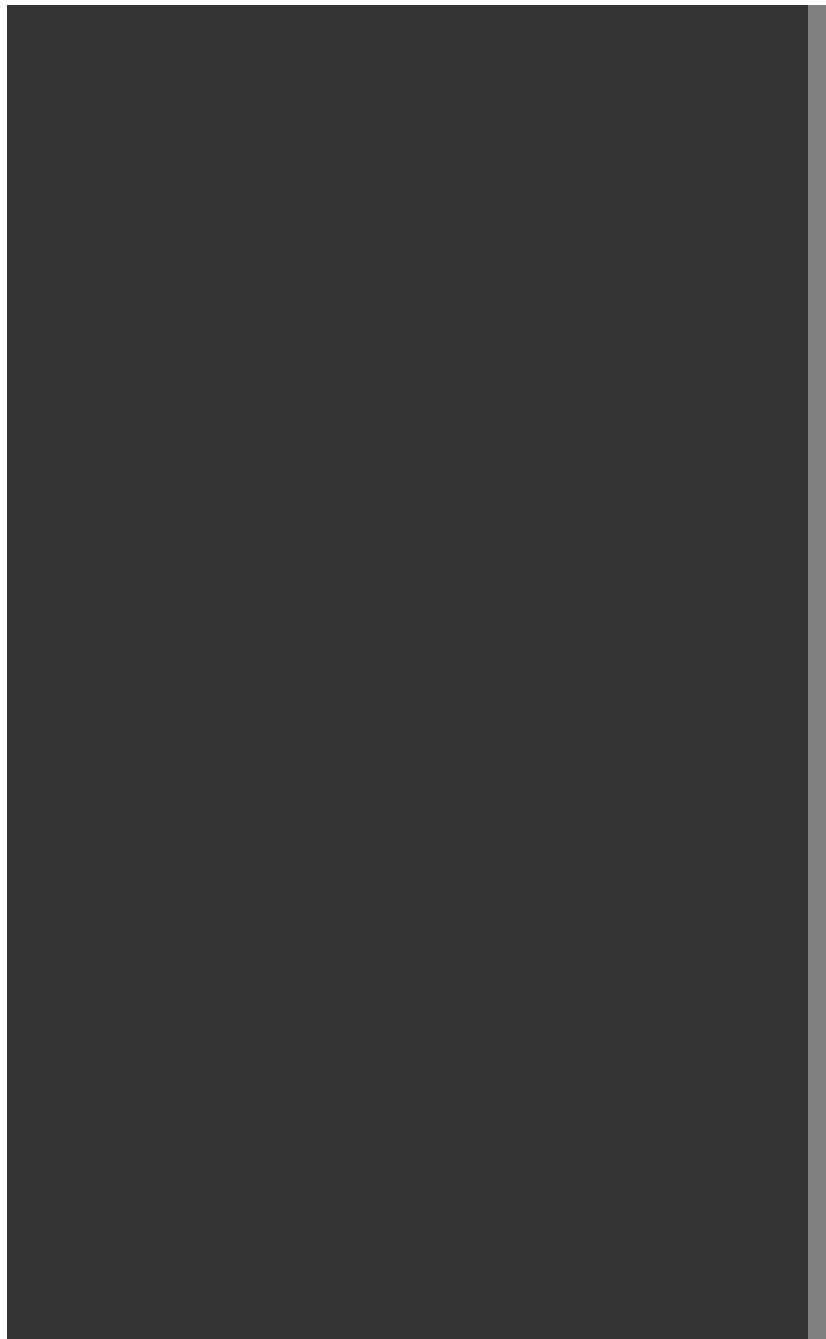


YANMAR

PARTS CATALOG

OCR10-M63602EN



Last update

Sep., 2014

Introduction

1. This parts catalog contains the previous information on the 4JH4-TE, 4JH4-HTE as well as the new one on the 4JH4-HTE1.

	Parts catalog No.	Date of issue	Remarks
First edition	000Y00R6360	Dec. , 2005	No need
1st edition(supplement)	000Y00R6361	Aug. , 2006	No need
2nd edition(supplement)	0CR10-G63602	Apr. , 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 does 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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0CR10-M63602

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29. FUEL INJECTION VALVE
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36. STARTING MOTOR
37. GENERATOR(12V-80A)(HITACHI: TO JAN., 2013)
53. (37A)GENERATOR(12V-120A)(VALEO: FROM FEB., 2013)
38. GENERATOR(12V-60A/OPTIONAL)
39. V-BELT COVER
40. V-BELT COVER & GENERATOR ATTACHMENT PART(OPTIONAL)
41. GENERATOR(ADDITION) & GENERATOR ATTACHMENT PART(OPTIONAL)
42. WIRE HARNESS & SENSOR
43. INSTRUMENT PANEL(B-TYPE/OPTIONAL)
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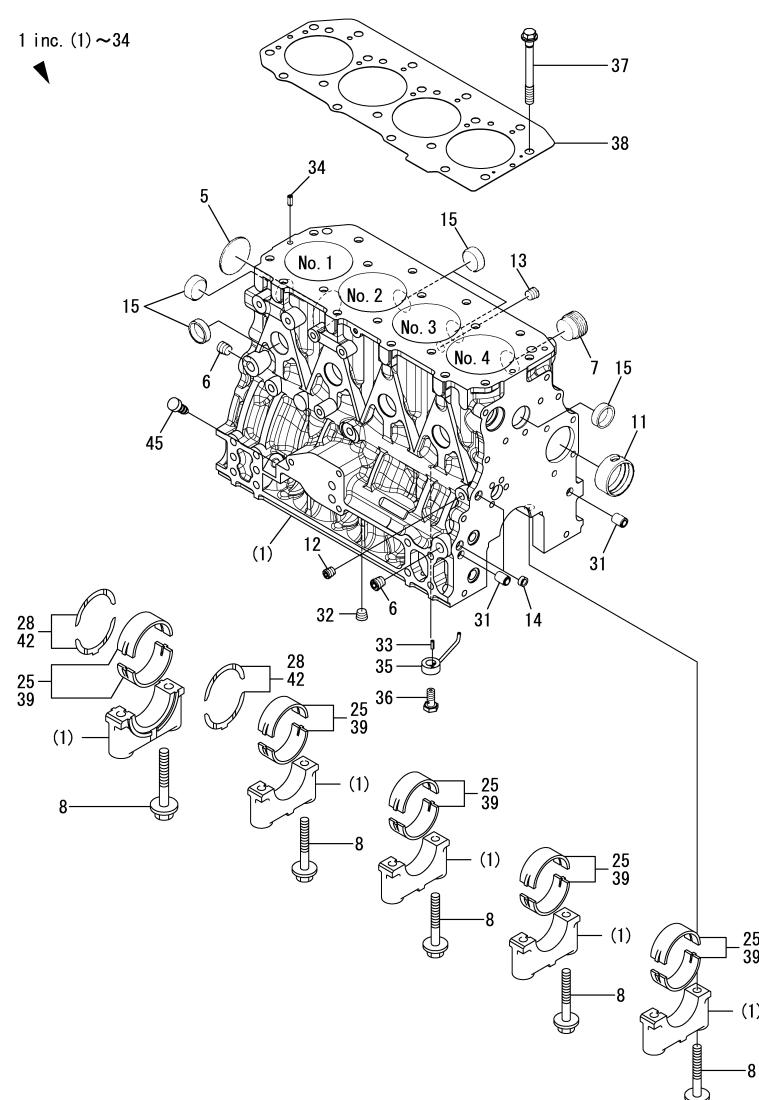
- 48. INSTRUMENT PANEL(C-TYPE/KEYLES/OPTIONAL)
- 49. S2 DRIVE(OPTIONAL)
- 51. INSTRUMENT PANEL(B20)(MEDALLION: FROM JAN., 2012)
- 52. INSTRUMENT PANEL(C30)(MEDALLION: FROM JAN., 2012)

Fig. No. Fig. Name

Fig.1. CYLINDER BLOCK

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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



No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	729671-01560	BLOCK ASSY, CYLINDER	1	1	1			
5	3	129001-01250	PLUG, 50	1	1	1			
6	3	124160-01910	PLUG, PT1/4	2	2	2			
7	3	171051-01921	PLUG, NPTF1	1	1	1			
8	3	129150-02020	BOLT, METAL CAP	10	10	10			
11	3	129795-02411	BUSH, CAMSHAFT	1					
11-1	3	129795-02412	BUSH, CAMSHAFT	1	1	1			N
		(A=2006.06)							
12	3	23876-010000	PLUG, R01	1	1	1			
13	3	23876-030000	PLUG, R03	1	1	1			
14	3	27241-120000	PLUG, 12	2	2	2			
15	3	27241-300000	PLUG 30	8	8	8			
25	2	129001-02930	BEARING, MAIN	5					3
25-1	2	129001-02931	BEARING, MAIN	5	5	5			N 3
		(A=2006.06)							
28	2	129150-02930	BEARING, THRUST	2					
28-1	2	129150-02931	BEARING, THRUST	2	2	2			N
		(A=2006.06)							
31	2	129795-01950	PIPE, KNOCK L=18	2	2	2			
32	2	124160-01910	PLUG, PT1/4	1	1	1			
33	2	22351-030010	PIN, SPRING 3.0X10	4	4	4			
34	2	22351-060012	PIN, SPRING 6.0X12	2	2	2			
35	1	129553-39650	NOZZLE	4	4	4			
36	1	23857-030000	BOLT, JOINT 3	4	4	4			
37	1	129150-01200	BOLT, HEAD	18	18	18			
38	1	129693-01341	GASKET, HEAD	1	1	1			
39	1	129150-02870	BEARING, 0.25 US	5					1
39-1	1	129150-02871	BEARING, 0.25 US	5	5	5			N 1
		(A=2006.06)							
42	1	129150-02940	BEARING, THRUST 0.25	1					2
42-1	1	129150-02941	BEARING, THRUST 0.25	1	1	1			N 2
		(A=2006.06)							
45	1	124976-34850	CAP	1	1	1			

Remarks

- (1)Under sized(U.S.=0.25)parts.
- (2)Over sized(O.S.=0.25)parts.
- (3)Spare parts.

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

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Fig.2. GEAR HOUSING

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129673-01520	CASE, GEAR	1	1	1			
3	1	129693-01520	FLANGE, GEAR CASE	1	1	1			
4	1	121450-01560	STUD, M8X22	1	1	1			
5	1	124550-01590	BOLT, M8X16	4	4	4			
8	1	129795-01800	SEAL, OIL	1	1	1			
9	1	124240-01871	COVER	1	1	1			
10	1	129795-01950	PIPE, KNOCK L=18	2	2	2			
11	1	24311-000160	O-RING, 1AP16.0	2	2	2			
12	1	26106-080162	BOLT, M8X 16 PLATED	3	3	3			
13	1	26106-080452	BOLT, M8X 45 PLATED	2	2	2			
14	1	26106-080552	BOLT, M8X 55 PLATED	3	3	3			
15	1	26106-080852	BOLT, M8X 85 PLATED	4	4	4			

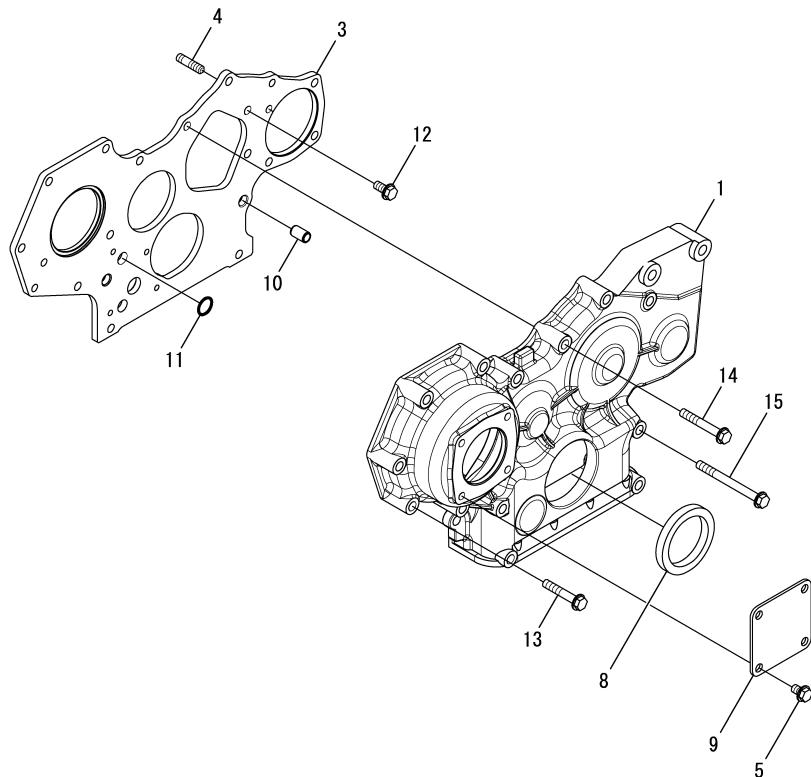


Fig.3. FLYWHEEL HOUSING

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129673-01620	HOUSING, FLYWHEEL	1	1	1			
2	1	129795-01780	SEAL, OIL	1	1	1			
3	1	22137-100000	WASHER, 10	6	6	6			
4	1	26206-100302	BOLT, M10X 30 PLATED	6	6	6			

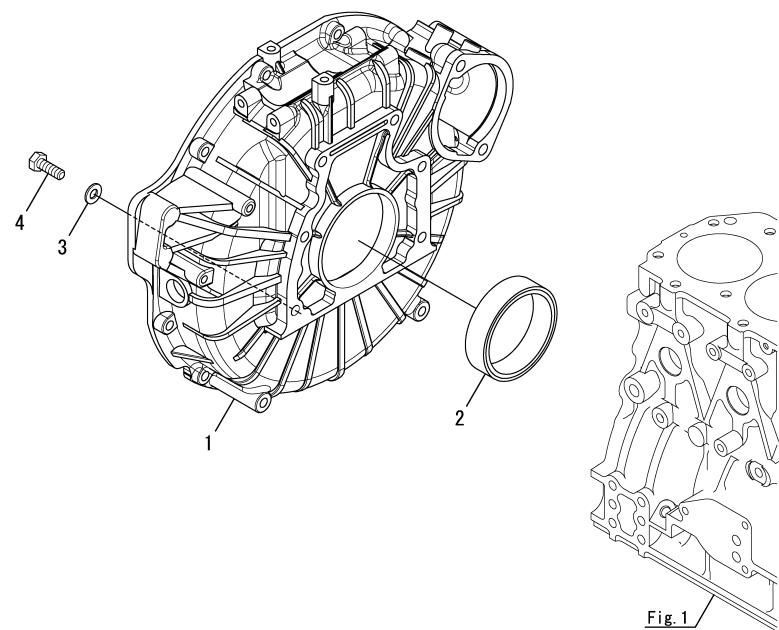
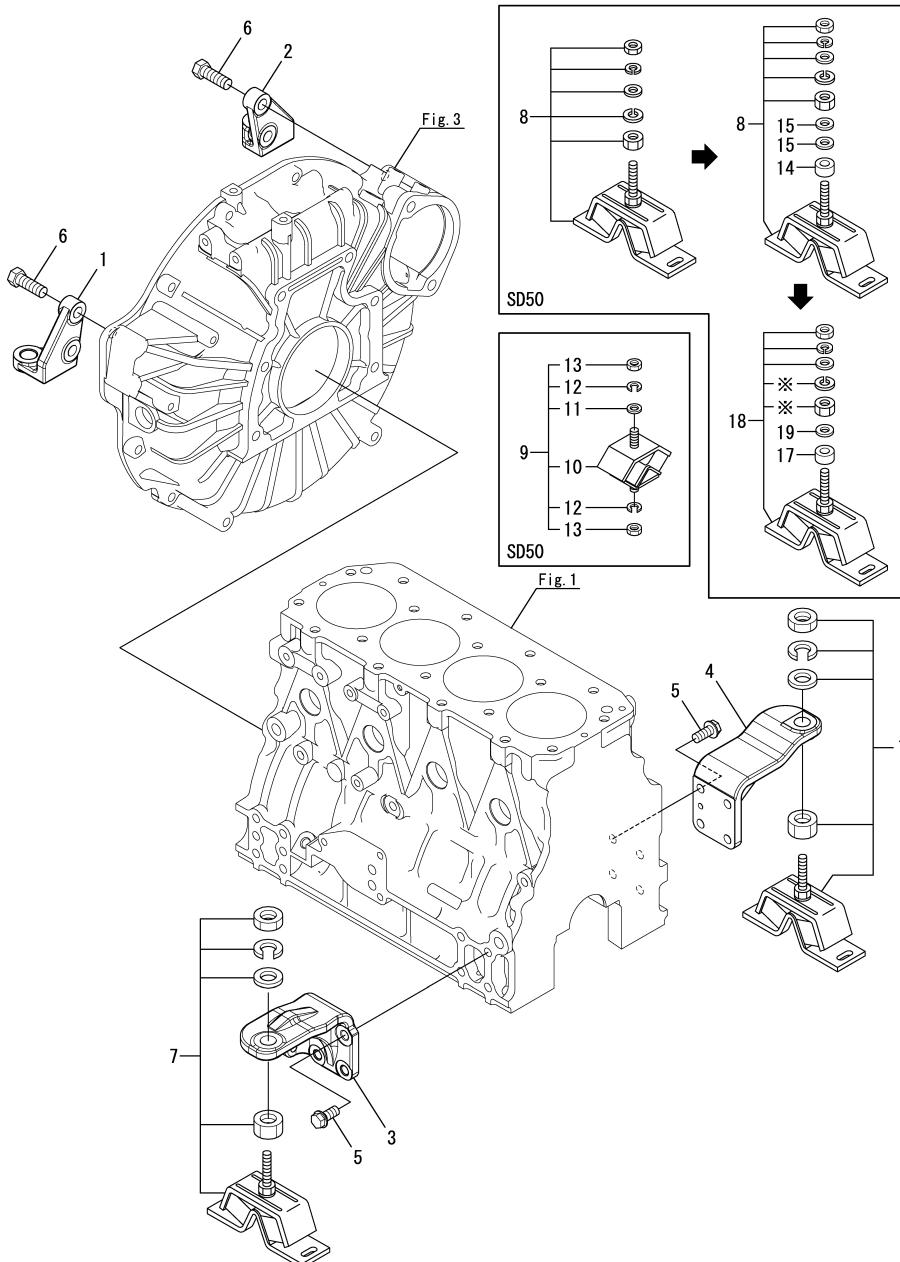


Fig.4. MOUNTING FOOT



(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129671-08150	FOOT	1	1	1			
2	1	129671-08160	FOOT	1	1	1			
3	1	129671-08210	FOOT	1	1	1			
4	1	129670-08220	FOOT	1	1	1			
5	1	26106-100222	BOLT, M10X 22 PLATED	8	8	8			
6	1	26116-120352	BOLT, M12X 35 PLATED	4	4	4			
7	1	129670-08350	MOUNT, FLEXIBLE 200	4	4				
7-1	1	129670-08351	MOUNTING, FLEXIBLE (B=YDSJH-09003)	4					N
8	1	120149-08441	MOUNT, FLEXIBLE 300	2					Z
		(A=*2012.12)							
9	1	796440-08630	ABSORBER ASSY, SHOCK	1					
10	2	196440-02380	ABSORBER, SHOCK 430	1					
11	2	196440-02390	WASHER	1					
12	2	22217-120000	WASHER, SPRING 12	2					
13	2	26716-120002	NUT, M12	2					
14-1	1	129671-08250	SPACER, ABSORBER	2					Z
		(A=*2012.12)							
15	1	22137-160000	WASHER, 16	4					W
		(A=*2012.04)							
15-1	1	22137-160000	WASHER, 16	4					Z
		(A=*2012.12)							
17	1	129671-08250	SPACER, ABSORBER	2					W
		(A=*2012.12)							
18	1	120149-08441	MOUNT, FLEXIBLE 300	2					W
		(A=*2012.12)							
19	1	22137-160000	WASHER, 16	2					W
		(A=*2012.12)							

Remarks

* They are unnecessary parts.

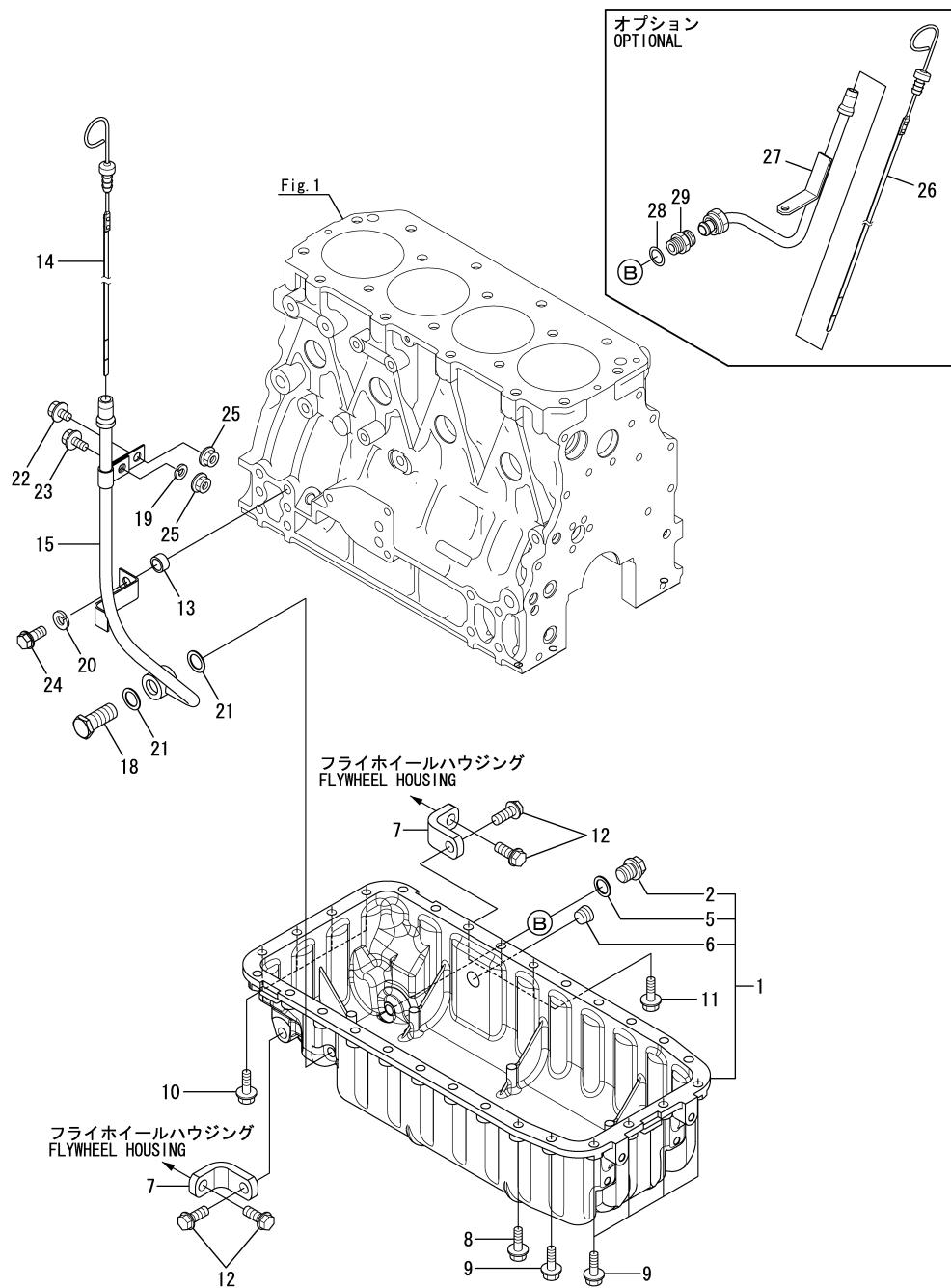
N:Old New, Q:Old New, R:Old New, S:Old New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.5. LUB.OIL SUMP

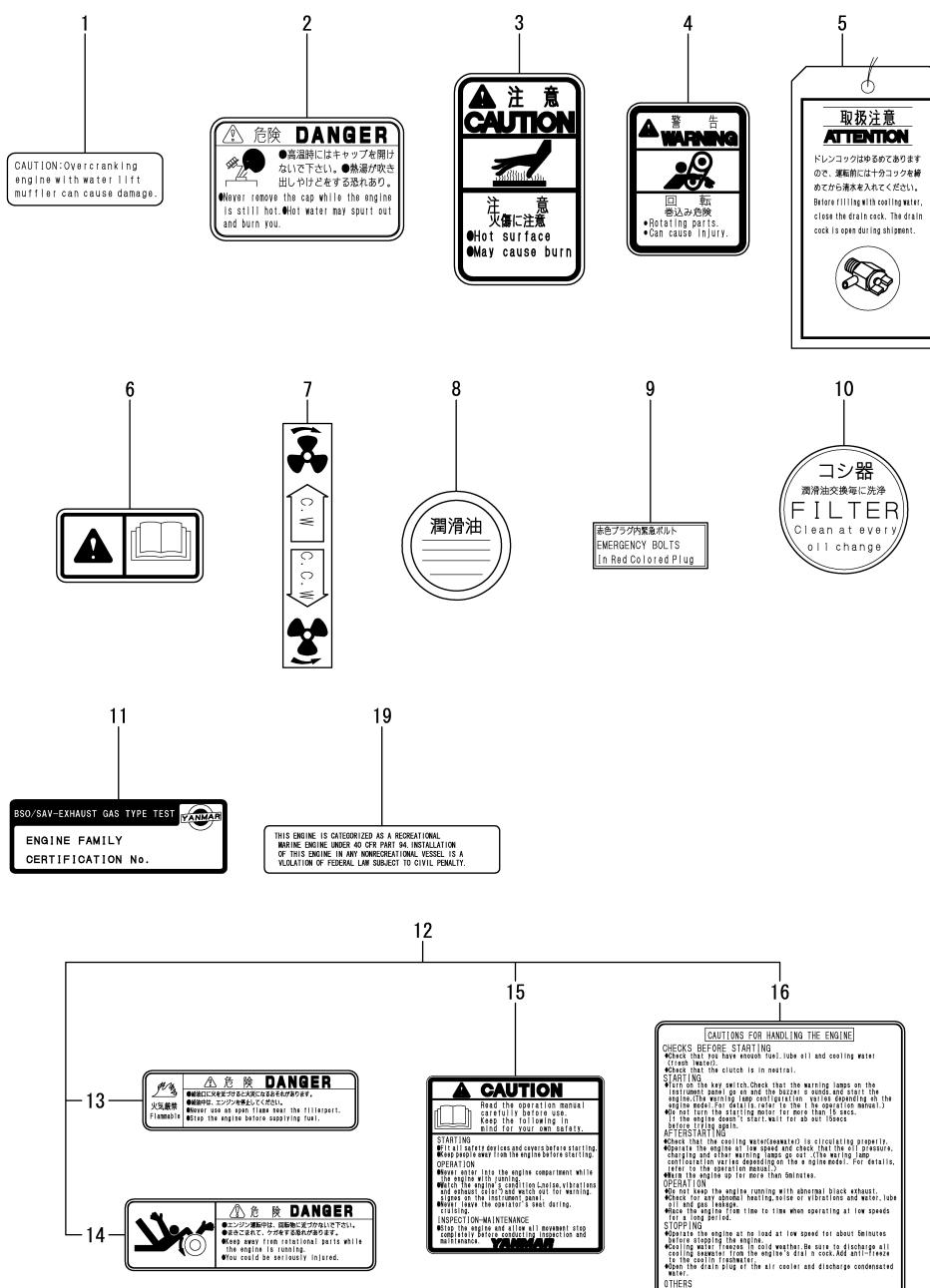
(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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



No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129673-01700	SUMP ASSY, OIL	1	1	1			
2	2	105425-01690	PLUG, 16	1	1	1			
5	2	22190-160002	WASHER, SEAL 16	1	1	1			
6	2	23875-030000	PLUG, R03	1	1	1			
7	1	129470-01710	BRACKET	2	2	2			
8	1	26106-080252	BOLT, M8X 25 PLATED	16	16	16			
9	1	26106-080252	BOLT, M8X 25 PLATED	6	6	6			
10	1	26106-080252	BOLT, M8X 25 PLATED	4	4	4			
11	1	26106-080452	BOLT, M8X 45 PLATED	2	2	2			
12	1	26106-100252	BOLT, M10X 25 PLATED	4	4	4			
13	1	129301-34830	SPACER	1	1	1			
14	1	129473-34850	DIPSTICK, OIL	1	1	1			
15	1	129473-34880	GUIDE ASSY, DIPSTICK	1	1	1			
18	1	104214-39720	BOLT	1	1	1			
19	1	22217-080000	WASHER, SPRING 8	1	1	1			
20	1	22217-100000	WASHER, SPRING 10	1	1	1			
21	1	23414-160000	GASKET, 16X1.0	2	2	2			
22	1	26106-080122	BOLT, M8X 12 PLATED	1	1	1			
23	1	26106-080162	BOLT, M8X 16 PLATED	1	1	1			
24	1	26106-100222	BOLT, M10X 22 PLATED	1	1	1			
25	1	26306-080002	NUT, M8	2	2	2			
26	1	129670-34810	DIPSTICK, LUB. OIL	1	1	1			
27	1	129570-34880	GUIDE, DIPSTICK	1	1	1			
28	1	23414-160000	GASKET, 16X1.0	1	1	1			
29	1	23831-100000	UNION, 10	1	1	1			

Fig.6. LABEL

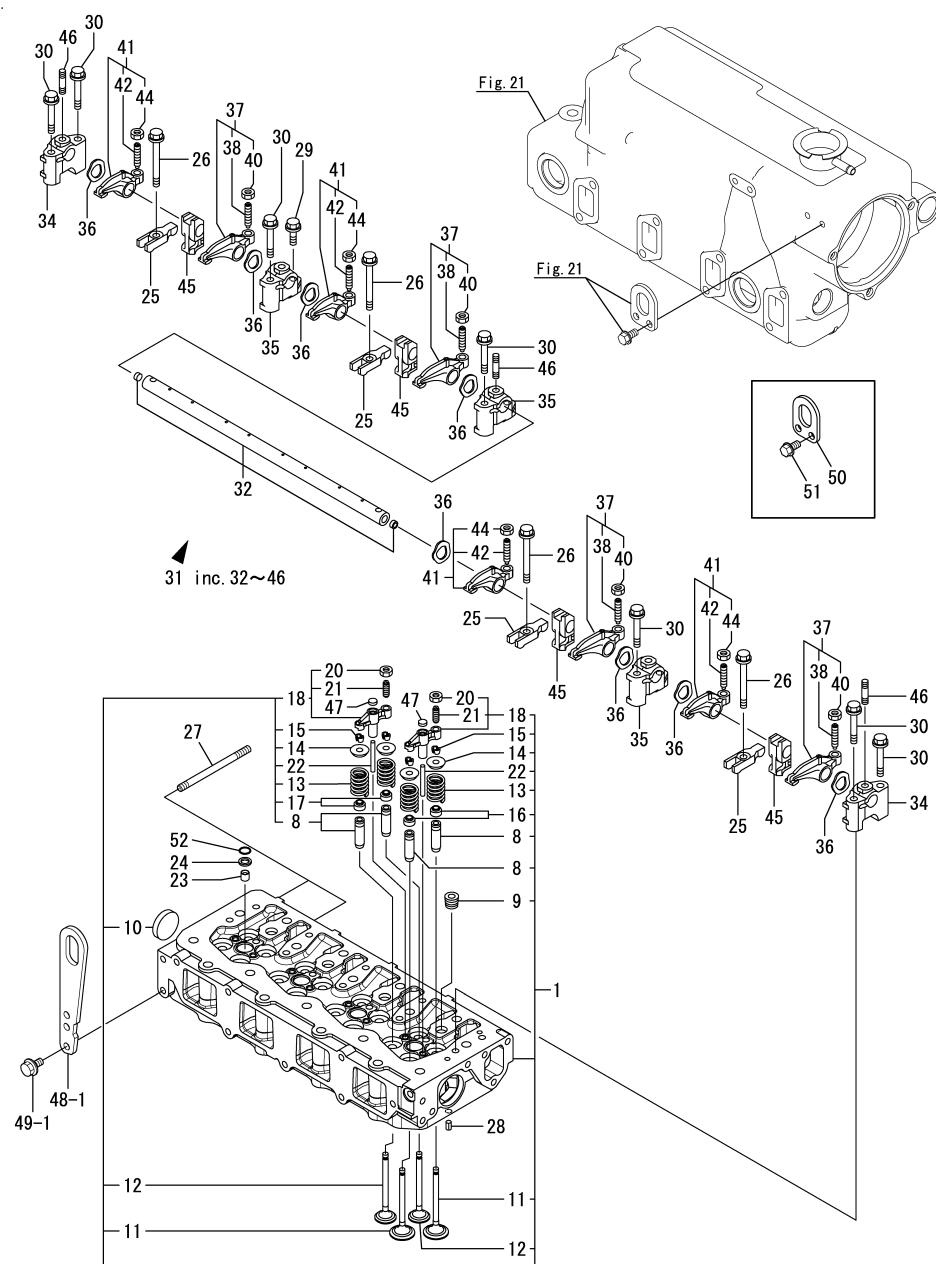


(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	128377-07150	LABEL, CAUTION	1	1	1			
2	1	128377-07260	LABEL, PRESSURE CAP	1	1				
2-1	1	128990-07270	LABEL, PRESSURE CAP	1	1	1			N
		(A=EXXXXX)	(B=EXXXXX)						
3	1	128377-07270	LABEL, CAUTION	1	1	1			
4	1	128377-07350	LABEL, CAUTION	1	1				
5	1	123682-07852	LABEL, CAUTION	1	1	1			
6	1	196630-12980	LABEL, CAUTION	1	1	1			
7	1	177073-02431	LABEL, DIRECTION	1	1	1			
8	1	177050-02811	LABEL	1	1	1			
9	1	177061-02811	LABEL, EMERGENCY BOLT	1	1	1			
10	1	177050-02821	LABEL, STRAINER	1	1	1			
11	1	129671-07570	LABEL, BSO2	1					
11A	1	129672-07570	LABEL, BSO2		1				
12	1	128377-07190	LABEL, LOOSE PARTS	1	1	1			
13	2	128377-07400	LABEL, DANGER	2	2	2			
14	2	128377-07420	LABEL, DANGER	1	1	1			
15	2	128377-07450	LABEL, CAUTION	1	1	1			
16	2	128377-07460	LABEL, CAUTION	1	1	1			
19	1	129670-07100	LABEL, RECREATIONAL		1				
19-1	1	129670-07101	LABEL, RECREATIONAL		1				
		(B=EXXXXX)							
19-2	1	129670-07101	LABEL, RECREATIONAL		1				Z
		(B=EXXXXX)							
19A	1	129672-07100	LABEL, RECREATIONAL		1				

Fig.7. CYLINDER HEAD



Remarks

Remarks

(A)=4JH4-TE
 (B)=4JH4-HTE
 (C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I
1	1	129671-11700	HEAD ASSY, CYLINDER	1						
1A	1	129672-11700	HEAD ASSY, CYLINDER		1	1				
8	3	119717-11800	GUIDE, VALVE	16	16	16				1
9	3	23876-020000	PLUG, R02	4	4					
9-1	3	121850-11860	PLUG, PT1/4	4	4	4				R
		(A=XXXXXX)	(B=XXXXXX)							
10	3	27241-400000	PLUG, 40	2	2	2				
11	2	129672-11100	VALVE, INTAKE	8	8	8				
12	2	129672-11110	VALVE, EXHAUST	8	8	8				
13	2	129508-11130	SPRING, VALVE	16	16	16				
14	2	129508-11180	RETAINER, SPRING	16	16	16				
15	2	119717-11190	COTTER	32	32	32				
16	2	119717-11340	SEAL, VALVE STEM	8	8	8				
17	2	119717-11350	SEAL, VALVE STEM	8	8	8				
18	2	129672-11510	BRIDGE ASSY, VALVE	8	8	8				
20	3	129150-11750	NUT, M8	8	8	8				
21	3	123907-11830	ADJUSTER	8	8	8				
22	2	129508-11820	GUIDE	8	8	8				
23	1	119802-11870	PROTECTOR, NOZZLE	4	4	4				
24	1	119625-11880	SEAT, NOZZLE	4	4	4				
25	1	129508-11900	RETAINER, NOZZLE	4	4	4				
26	1	129907-11950	BOLT, M8X75	4	4	4				
27	1	129693-44300	STUD	2	2	2				
28	1	22351-060012	PIN, SPRING 6.0X12	2	2	2				
29	1	26106-080252	BOLT, M8X 25 PLATED	3	3	3				
30	1	26106-080502	BOLT, M8X 50 PLATED	7	7	7				
31	1	129508-11241	SHAFT ASSY, ROCKER	1	1	1				
32	2	129508-11250	SHAFT, ROCKER ARM	1	1	1				
34	2	129508-11260	SUPPORT, ROCKER ARM	2	2	2				
35	2	129508-11270	SUPPORT, ROCKER ARM	3	3	3				
36	2	129508-11280	WASHER	8	8	8				
37	2	129508-11650	ARM, ROCKER	4	4	4				
38	3	129150-11230	SCREW, VALVE ADJUST	4	4	4				
40	3	129150-11750	NUT, M8	4	4	4				
41	2	129508-11660	ARM, ROCKER	4	4	4				
42	3	129150-11230	SCREW, VALVE ADJUST	4	4	4				
44	3	129150-11750	NUT, M8	4	4	4				
45	2	129508-11920	RETAINER	4	4	4				
46	2	26226-080352	STUD, M8X 35	3	3	3				
47	1	123907-11550	SEAT, VALVE BRIDGE	8	8	8				
48-1	1	129671-07900	LIFTER	2	2	2				
49-1	1	26106-080162	BOLT, M8X 16 PLATED	4	4	4				
50	1	129470-07230	LIFTER	1	1					
50-1	1	129670-07230	LIFTER	1	1					N
		(A=XXXXXX)	(B=XXXXXX)							
50-2	1	129670-07230	LIFTER	1	1					Z
		(A=XXXXXX)	(B=XXXXXX)							
51	1	26106-080162	BOLT, M8X 16 PLATED	2	2					Z
		(A=XXXXXX)	(B=XXXXXX)							
52	1	24311-000120	O-RING, 1AP12.0	4	4	4				W
		(A=XXXXXX)	(B=XXXXXX)							

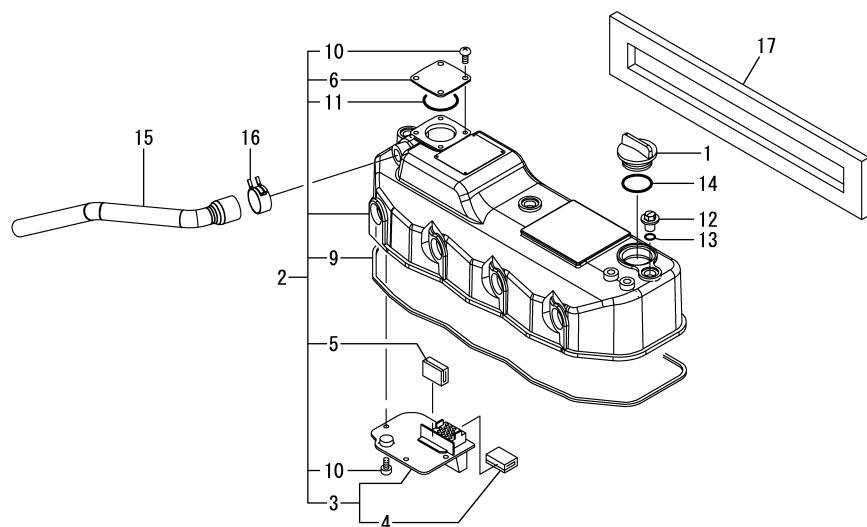
N:Old Yes New, Q:Old No Yes New, R:Old Yes New, S:Old No Yes New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.8. BONNET

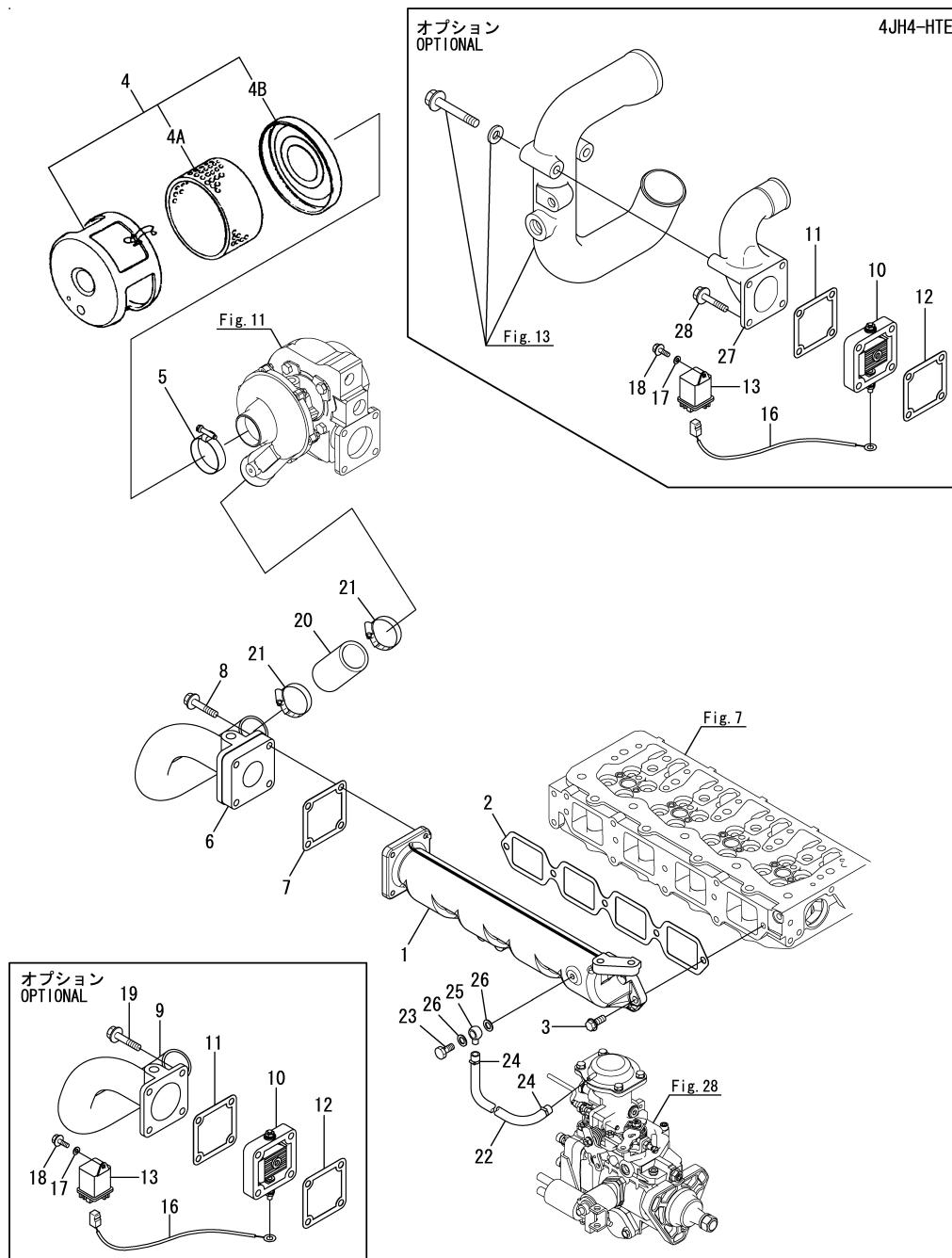
(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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



No.	Lev.	Parts No.	Description	Q'ty				
				(A)	(B)	(C)	(D)	(E)
1	1	124160-01751	COVER, FILLER	1	1	1		
2	1	129508-11350	BONNET ASSY, HEAD	1	1	1		
3	2	129508-03010	PLATE	1	1	1		
4	3	119802-03070	BAFFLE, BREATHER	1	1	1		
5	2	129150-03070	BAFFLE, BREATHER	1	1	1		
6	2	129006-03120	COVER, DIAPHRAGM	1	1	1		
9	2	129508-11310	GASKET, BONNET	1	1	1		
10	2	22857-500100	SCREW, 5X10	8	8	8		
11	2	24341-000400	O-RING, 1AS40.0	1	1	1		
12	1	124160-11360	KNOB	3	3	3		
13	1	24311-000120	O-RING, 1AP12.0	3	3	3		
14	1	24311-000320	O-RING, 1AP32.0	1	1	1		
15	1	129671-03090	PIPE , BREATHER	1	1	1		
16	1	129410-03990	CLIP	1	1	1		
17	1	129671-11900	INSULATOR, NOISE	1	1	1		

Fig.9. SUCTION MANIFOLD



(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

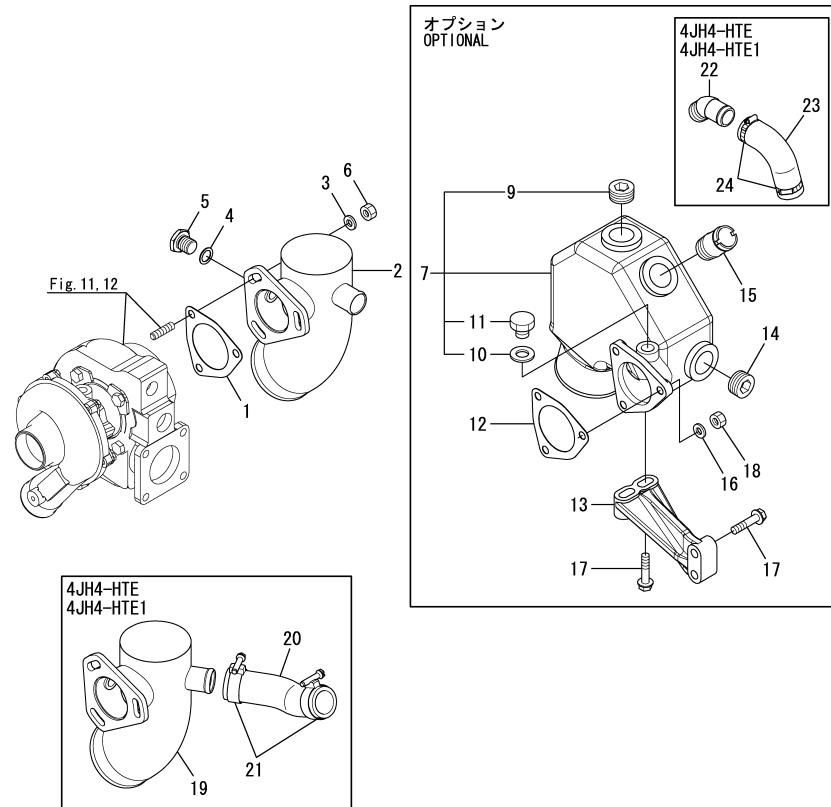
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty	I	R
				(A) (B) (C) (D) (E) (F)		
1	1	129671-12120	MANIFOLD, AIR INTAKE	1 1 1		
2	1	129671-12130	GASKET, MANIFOLD	1 1 1		
3	1	26106-080202	BOLT, M8X 20 PLATED	5 5 5		
4	1	129470-12301	SILENCER ASSY	1 1 1		
4A	2	129470-12330	ELEMENT ASSY	1 1 1		
		(A=EXXXXX) (B=EXXXXX)				
4B	2	129470-12320	PLATE	1 1 1		
		(A=EXXXXX) (B=EXXXXX)				
5	1	23000-054000	CLAMP, 54	1 1 1		
6	1	129571-18130	DUCT, AIR	1		
7	1	129150-77511	GASKET	1		
8	1	26106-080402	BOLT, M8X 40 PLATED	4		
9	1	129571-18140	DUCT, AIR	1		
10	1	129100-77500	HEATER, AIR 12V	1 1		
10-1	1	129100-77501	HEATER	1 1 1		
		(A=EXXXXX) (B=EXXXXX)				
11	1	129100-77510	GASKET	1 1 1		
12	1	129150-77511	GASKET	1 1 1		
13	1	128990-77910	RELAY, GROW	1 1		
13-1	1	128990-77911	RELAY ASSY, GLOW	1 1 1		
		(A=EXXXXX) (B=EXXXXX)				
16	1	129271-77921	HARNESS, WIRE(HEATER)	1 1 1		
17	1	22217-060000	WASHER, SPRING 6	1 1 1		
18	1	26106-060082	BOLT, M6X 8 PLATED	1 1 1		
19	1	26106-080402	BOLT, M8X 40 PLATED	4		
20	1	129595-18141	JOINT, RUBBER	1		
20-1	1	129671-18150	JOINT, RUBBER	1		
		(A=EXXXXX)				
21	1	23000-060000	CLAMP, 60	2		
22	1	129693-18450	PIPE	1 1 1		
23	1	129198-59540	BOLT, PIPE JOINT M8	1 1 1		
24	1	23000-013000	CLAMP, 13	2 2 2		
25	1	23387-040800	JOINT, HOSE 4-8	1 1 1		
26	1	23414-080000	GASKET, 8X1.0	2 2 2		
27	1	129474-18171	BEND	1 1		
28	1	26106-080402	BOLT, M8X 40 PLATED	2 2		

Fig.10. MIXING ELBOW

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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



No.	Lev.	Parts No.	Description	Q'ty	I	R
				(A) (B) (C) (D) (E) (F)		
1	1	129472-13520	GASKET	1	1	1
2	1	129671-13551	ELBOW	1		
2-1	1	129671-13552	ELBOW, WATER MIXING	1		S 1
			(A=EXXX)			
3	1	22137-080000	WASHER, 8	3	3	3
4	1	23414-130000	GASKET, 13X1.0	1	1	1
5	1	23893-020002	PLUG, G1/4	1	1	
5-1	1	129671-13570	PLUG G 1/4A	1	1	1
			(A=EXXX) (B=EXXX)			N
6	1	26703-080002	NUT, M8	3	3	3
7	1	129472-13501	ELBOW ASSY	1	1	1
9	2	129472-13560	PLUG, PT3/4	1	1	1
10	2	23414-130000	GASKET, 13X1.0	1	1	1
11	2	23893-020002	PLUG, G1/4	1	1	1
12	1	129472-13520	GASKET	1	1	1
13	1	129472-13550	SUPPORT	1	1	1
14	1	129472-13560	PLUG, PT3/4	1	1	1
15	1	123325-49421	JOINT, PIPE	1		
16	1	22137-080000	WASHER, 8	3	3	3
17	1	26106-080352	BOLT, M8X 35 PLATED	4	4	4
18	1	26703-080002	NUT, M8	3	3	3
19	1	129673-13551	ELBOW	1		
19-1	1	129673-13552	ELBOW, WATER MIXING	1	1	S 1
			(B=EXXX)			
20	1	129673-49110	PIPE, WATER	1	1	
21	1	129670-49500	CLIP, HOSE 38	2	2	
22	1	129673-49060	ELBOW, 45	1	1	
23	1	129673-49150	PIPE, WATER	1	1	
24	1	129670-49500	CLIP, HOSE 38	2	2	

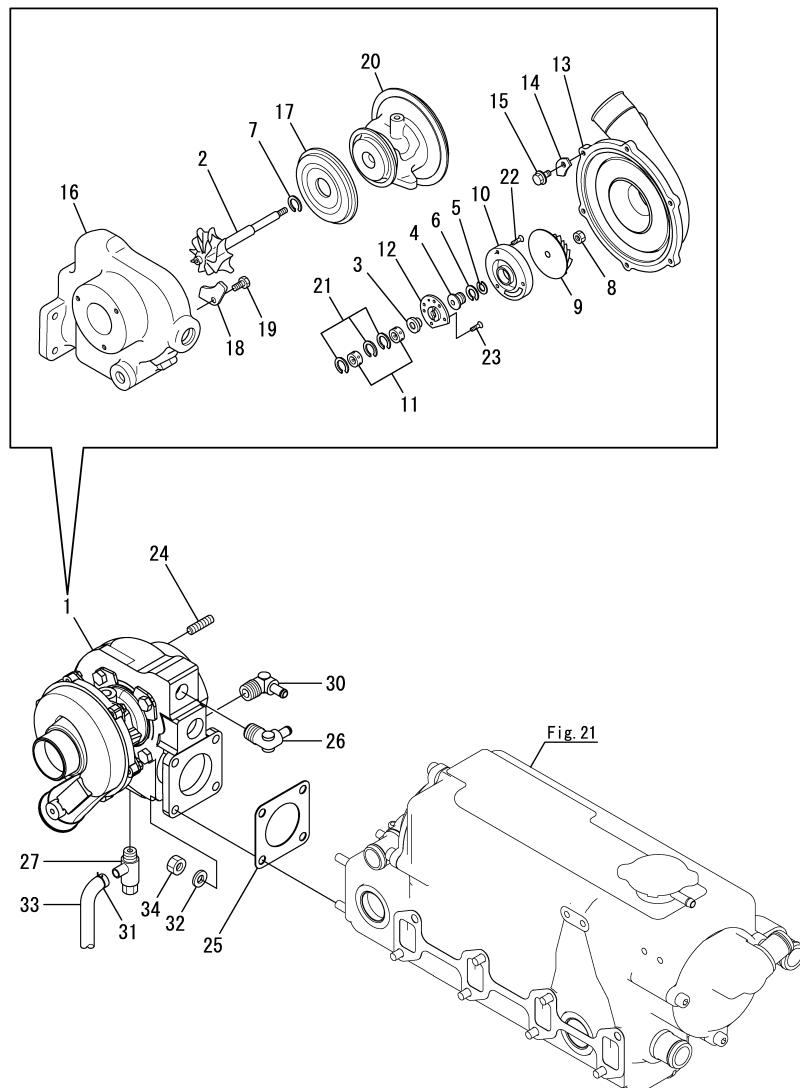
Remarks

(1) Interchangeable by simultaneous replacement with No.5-1.

Fig.11. TURBOCHARGER(4JH4-TE)

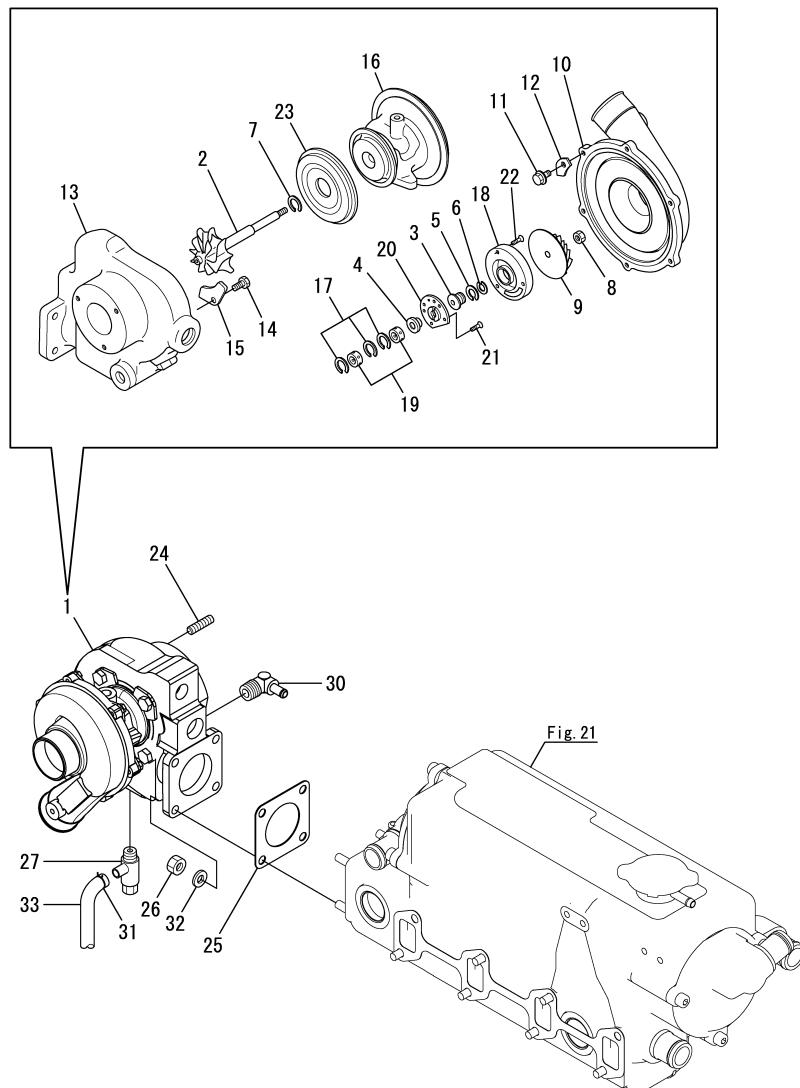
(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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



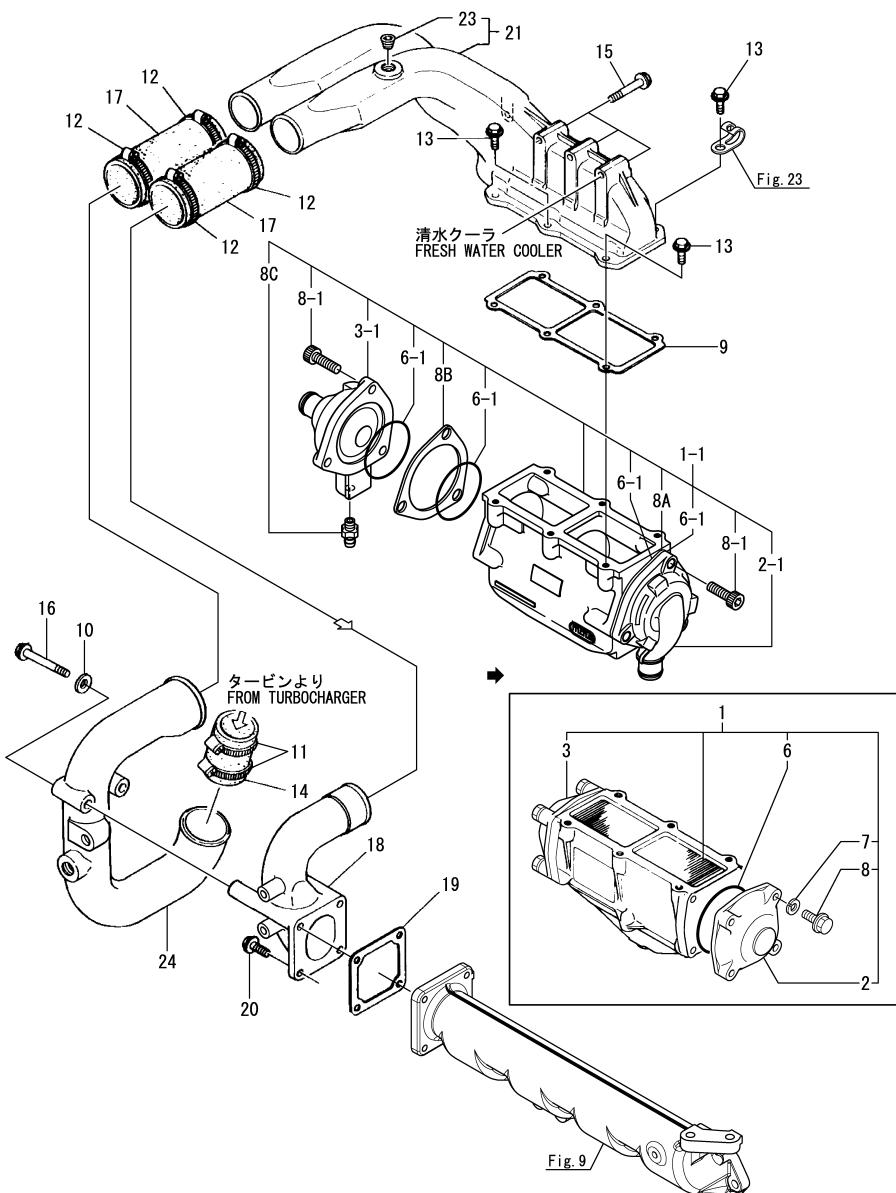
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129671-18010	TURBINE, B52W-TE	1							
2	2	XNN131614	SHAFT	1							
3	2	XNN131579	BUSH, THRUST	1							
4	2	XNN131578	SHELTER	1							
5	2	XNN131008	SEAL RING,BLOW.SIDE	1							
6	2	XNB131008	SEAL RING,BLOW.SIDE	1							
7	2	XNN131536	SEALING	1							
8	2	XNN131108	NUT	1							
9	2	XNN136617	IMPELLER	1							
10	2	XNN133021	SEAL PLATE	1							
11	2	XNN133506	METAL, FLOATING	2							
12	2	XNN133596	METAL,THRUST	1							
13	2	XNN133960	HOUSING, BLOWER	1							
14	2	XNN134035	RETAINER	6							
15	2	XNB134007	BOLT M 5	6							
16	2	XNE928722	HOUSING	1							
17	2	XNN137055	PROTECTOR, HEAT	1							
18	2	XNN137423	RETAINER	5							
19	2	XNN137007	BOLT, M8	5							
20	2	XNE923383	HOUSING,BEARING	1							
21	2	XNN133208	CIRCLIP	3							
22	2	XNB133208	SCREW(SEAL PLATE)	3							
23	2	XNB133206	SCREW	4							
24	1	128170-13600	STUD, M8X31	3							
24-1	1	129670-13600	STUD	3							R
		(A=XXXXXX)									
25	1	129472-18090	GASKET	1							
26	1	104407-44480	JOINT	1							
27	1	129670-49290	COCK ASSY, R1/8	1							
30	1	171007-49400	JOINT	2							
31	1	124460-77680	RETAINER	1							
32	1	22133-080000	WASHER, 8	4							
33	1	23061-070300	PIPE, 7X 300	1							
34	1	26703-080002	NUT, M8	4							

Fig.12. TURBOCHARGER(4JH4-HTE/HTE1)



No.	Lev.	Parts No.	Description	Q'ty				
				(A)	(B)	(C)	(D)	(E)
1	1	129671-18001	TURBINE, B52W-TE			1	1	
2	2	XNN131614	SHAFT			1	1	
3	2	XNN131578	SHELTER			1	1	
4	2	XNN131579	BUSH, THRUST			1	1	
5	2	XNB131008	SEAL RING,BLOW.SIDE			1	1	
6	2	XNN131008	SEAL RING,BLOW.SIDE			1	1	
7	2	XNN131536	SEALING			1	1	
8	2	XNN131108	NUT			1	1	
9	2	XNN136613	IMPELLER			1	1	
10	2	XNN133911	HOUSING,BLOWER			1	1	
11	2	XNB134007	BOLT M 5			6	6	
12	2	XNN134035	RETAINER			6	6	
13	2	XNE928727	HOUSING			1	1	
14	2	XNN137007	BOLT, M8			5	5	
15	2	XNN137423	RETAINER			5	5	
16	2	XNE923383	HOUSING,BEARING			1	1	
17	2	XNN133208	CIRCLIP			3	3	
18	2	XNN133022	PLATE, SEAL			1	1	
19	2	XNN133506	METAL, FLOATING			2	2	
20	2	XNN133596	METAL,THRUST			1	1	
21	2	XNB133206	SCREW			4	4	
22	2	XNB133208	SCREW(SEAL PLATE)			3	3	
23	2	XNN137055	PROTECTOR, HEAT			1	1	
24	1	128170-13600	STUD, M8X31			3		
24-1	1	129670-13600	STUD			3	3	R
			(B=EXXXXX)					
25	1	129472-18090	GASKET			1	1	
26	1	26703-080002	NUT, M8			4	4	
27	1	129670-49290	COCK ASSY, R1/8			1	1	
30	1	171007-49400	JOINT			2	2	
31	1	124460-77680	RETAINER			1	1	
32	1	22133-080000	WASHER, 8			4	4	
33	1	23061-070300	PIPE, 7X 300			1	1	

Fig.13. AIR COOLER



Remarks

(1) Interchangeable by simultaneous replacement with Fig.23 No.1-1.

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129672-18100	COOLER ASSY, INTER	1					
1-1	1	129672-18110	COOLER ASSY, INTER (B=**2006.10)	1	1				S 1
2	2	129673-18220	BOX, WATER A	1					
2-1	2	129672-18130	COVER (B=**2006.10)	1	1				S
3	2	129672-18230	BOX, WATER B	1					
3-1	2	129672-18140	COVER (B=**2006.10)	1	1				S
6	2	129673-18250	O-RING	2					
6-1	2	129672-18170	O-RING, D81.2X3.53 (B=**2006.10)	4	4				S
7	2	22217-080000	WASHER, SPRING 8	8					Z
			(B=**2006.10)						
8	2	26106-080302	BOLT, M8X 30 PLATED	8					
8-1	2	129672-18180	BOLT, M8X40 (B=**2006.10)	6	6				S
8A	2	129672-18150	ELEMENT (B=**2006.10)	1	1				W
8B	2	129672-18160	SPACER (B=**2006.10)	1	1				W
8C	2	129672-18190	PLUG ASSY, DRAIN (B=**2006.10)	1	1				W
9	1	129573-18120	GASKET	1	1				
10	1	22137-080000	WASHER, 8	2	2				
11	1	23000-054000	CLAMP, 54	2	2				
12	1	23000-070000	CLAMP, 70	4	4				
13	1	26106-080202	BOLT, M8X 20 PLATED	6	6				
14	1	129595-18141	JOINT, RUBBER	1					
14-1	1	129671-18150	JOINT, RUBBER (B=EXXXXX)	1	1				R
15	1	26106-080502	BOLT, M8X 50 PLATED	3	3				
16	1	26116-082002	BOLT, M8X200 PLATED	2	2				
17	1	129595-18151	JOINT, RUBBER	2					
17-1	1	129673-18140	JOINT, RUBBER (B=EXXXXX)	2	2				R
18	1	129474-18151	BEND	1	1				
19	1	129150-77511	GASKET	1	1				
20	1	26106-080202	BOLT, M8X 20 PLATED	2	2				
21	1	129474-18181	DUCT ASSY, AIR	1	1				
23	2	23876-010000	PLUG, R01	1	1				
24	1	129595-18132	DUCT, AIR	1	1				

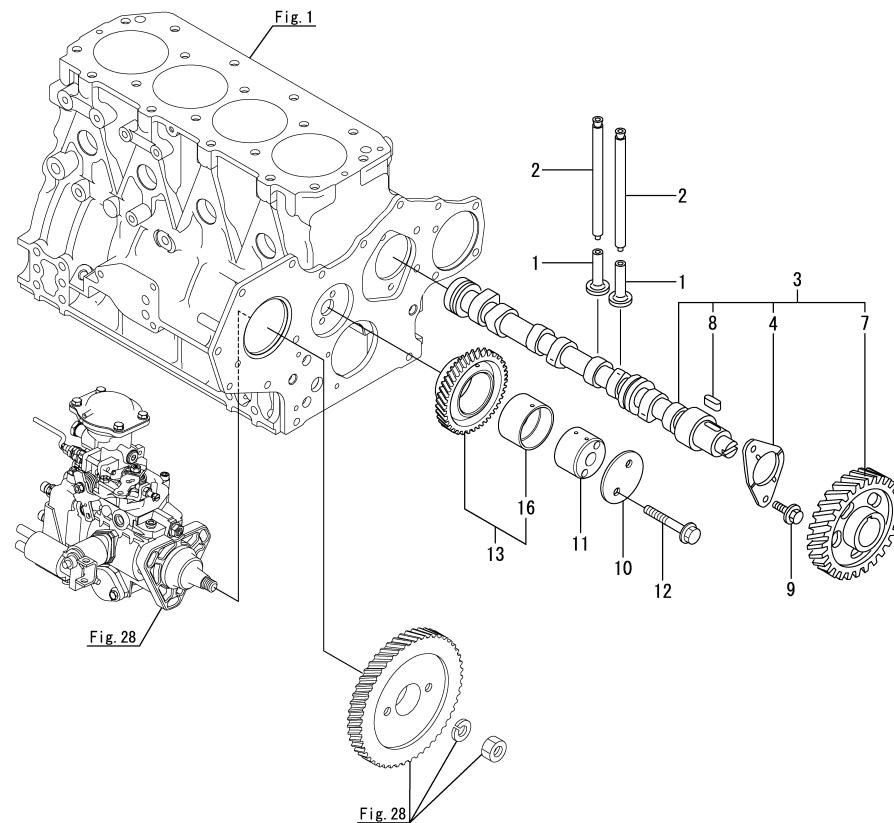
N:Old New, Q:Old New, R:Old New, S:Old New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.14. CAMSHAFT & DRIVING GEAR

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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



No.	Lev.	Parts No.	Description	Q'ty				
				(A)	(B)	(C)	(D)	(E)
1	1	129150-14200	TAPPET	8	8	8		
2	1	129150-14400	ROD, PUSH L=178	8	8	8		
3	1	129508-14580	CAMSHAFT ASSY	1	1	1		
4	2	129150-02450	BEARING, THRUST	1	1	1		
7	2	129150-14101	GEAR, CAMSHAFT	1	1	1		
8	2	22512-070140	KEY, 7X 14	1	1	1		
9	1	26106-080142	BOLT, M8X 14 PLATED	2	2	2		
10	1	129150-25020	RETAINER	1	1	1		
11	1	129150-25052	SHAFT, IDLE	1	1	1		
12	1	119174-25060	BOLT, M8X45	2	2	2		
13	1	129693-25100	GEAR ASSY, IDLE	1	1	1		
16	2	129573-25090	BUSH, IDLE GEAR	1	1	1		1

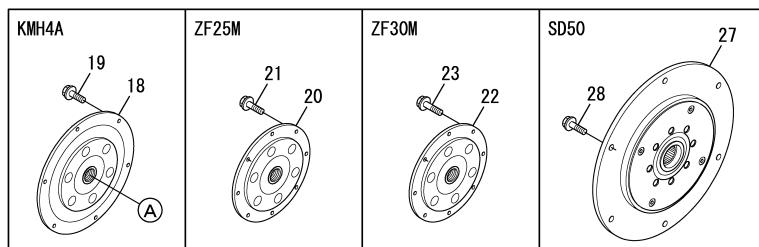
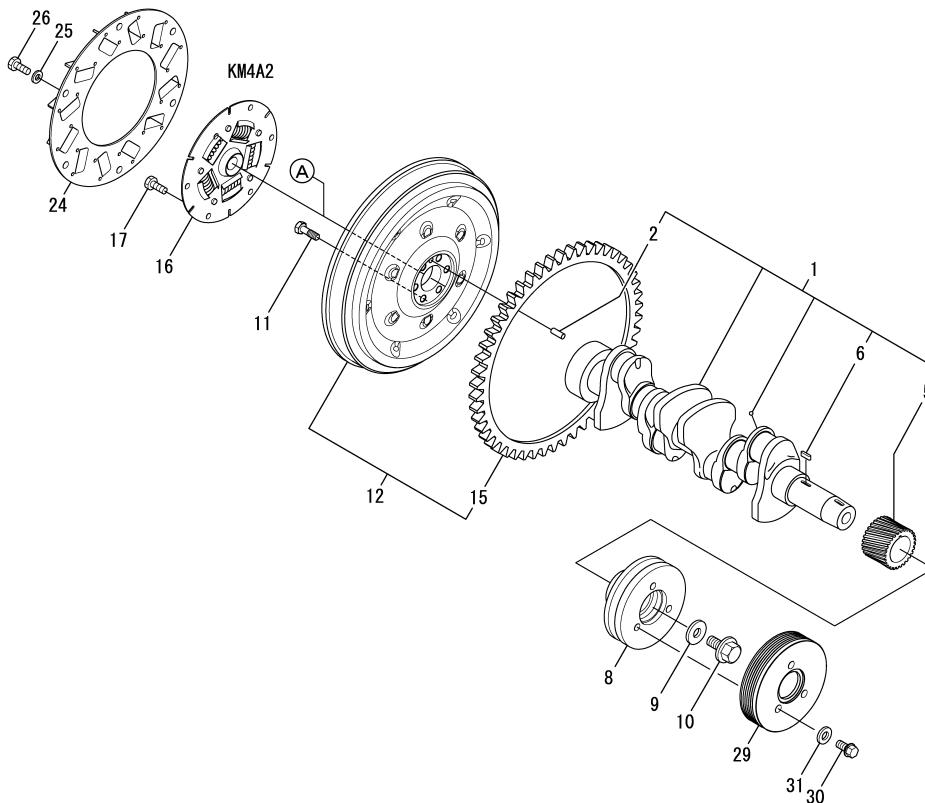
Remarks

(1)Spare parts.

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

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Fig.15. CRANKSHAFT & FLYWHEEL



Remarks

(1)Valeo generator spec.

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129698-21000	CRANKSHAFT ASSY	1	1	1			
1-1	1	129698-21001	CRANKSHAFT ASSY	1	1	1			N
		(A=EXXXXX)	(B=EXXXXX)						
2	2	129100-01580	PIN, M8X16	1	1	1			
5	2	129189-21200	GEAR, CRANKSHAFT	1	1	1			
6	2	22512-070140	KEY, 7X 14	1	1	1			
8	1	119802-21660	V-PULLEY, 120	1	1	1			
9	1	129795-21661	WASHER	1	1	1			
10	1	121850-21680	BOLT	1	1	1			
11	1	121111-21501	BOLT, FLYWHEEL	6	6	6			
12	1	129574-21590	FLYWHEEL ASSY	1	1	1			
15	2	124550-21600	GEAR, RING	1	1	1			
16	1	177090-03500	DISK, DAMPER D190	1	1	1			
17	1	26106-080162	BOLT, M8X 16 PLATED	6	6	6			
18	1	129673-81760	DISK, DAMPER	1	1	1			
19	1	26106-080202	BOLT, M8X 20 PLATED	6	6	6			
20	1	129673-81150	DISK, DAMPER	1	1	1			
21	1	26106-080222	BOLT, M8X 22 PLATED	6	6				
21-1	1	26106-080202	BOLT, M8X 20 PLATED	6	6	6			R
		(A=EXXXXX)	(B=EXXXXX)						
22	1	129673-81250	DISK, DAMPER	1	1	1			
23	1	26106-080252	BOLT, M8X 25 PLATED	6	6	6			
24	1	129670-81850	FAN, FLYWHEEL	1	1	1			
25	1	22217-080000	WASHER, SPRING 8	6	6	6			
26	1	26106-080162	BOLT, M8X 16 PLATED	6	6	6			
27	1	196440-04300	COUPLING, 250 SP26	1					
28	1	26106-080222	BOLT, M8X 22 PLATED	6					
28-1	1	26106-080202	BOLT, M8X 20 PLATED	6					R
		(A=EXXXXX)							
29	1	129271-21660	PULLEY, CRANK 6PK	1	1	1			W 1
		(A=E15602)	(B=E24940)	(C=E40232)					
30	1	26106-100202	BOLT, M10X 20 PLATED	3	3	3			W 1
		(A=E15602)	(B=E24940)	(C=E40232)					
31	1	22137-100000	WASHER, 10	3	3	3			W 1
		(A=E15602)	(B=E24940)	(C=E40232)					

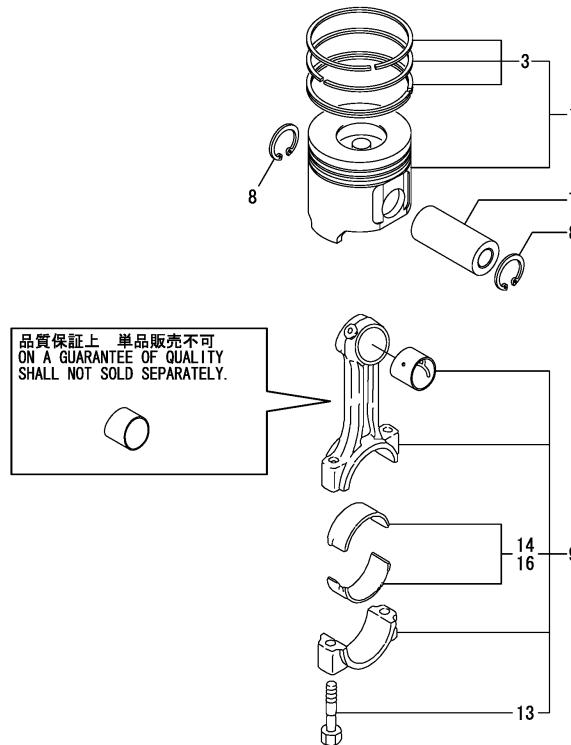
N:Old New, Q:Old New, R:Old New, S:Old New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.16. PISTON & CONNECTING ROD

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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



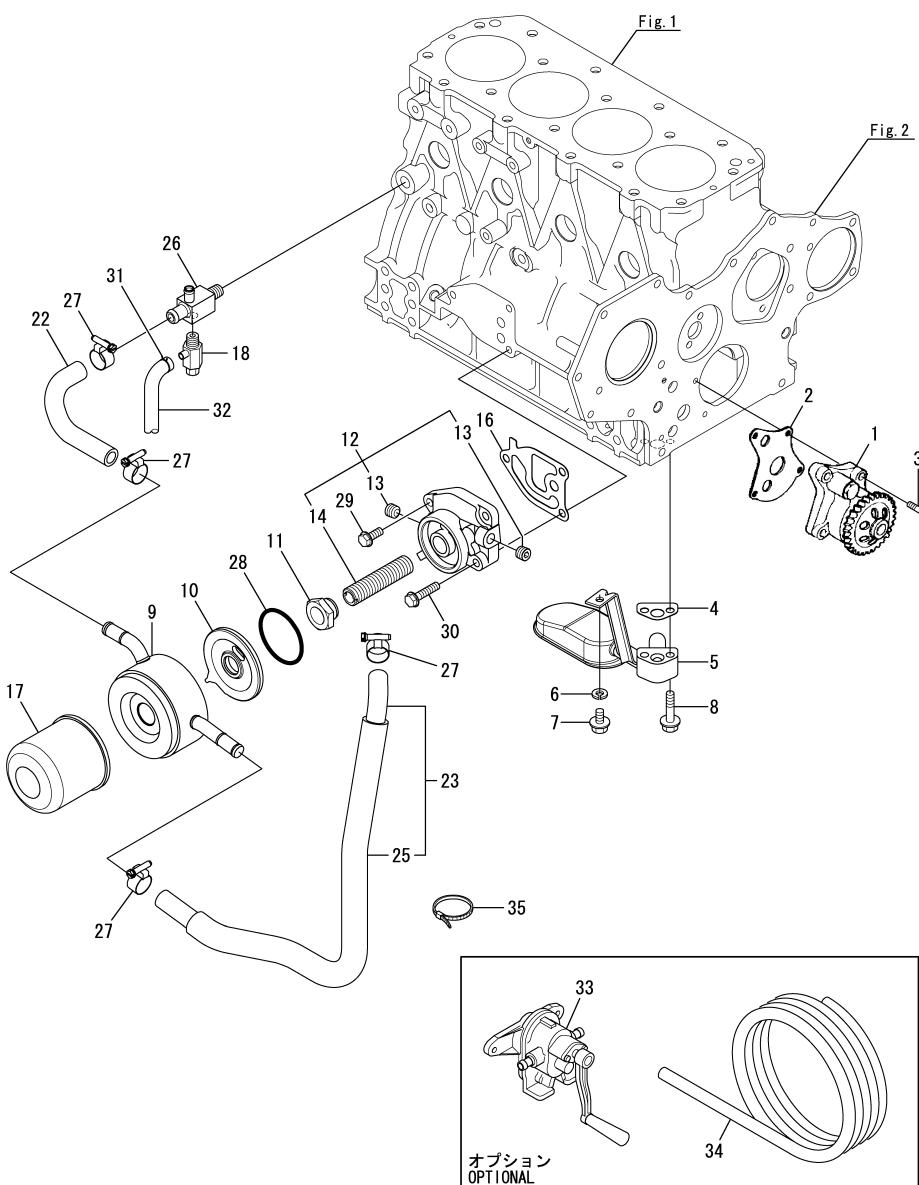
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129671-22050	PISTON ASSY, 19.0	4							
1-1	1	129671-22051	PISTON ASSY, 19.0 (A=EZXXXX)	4						N	
1-2	1	129671-22052	PISTON ASSY, 19.0 (A=EZXXXX)	4						N	
1A	1	129672-22020	PISTON ASSY, 18.0					4			
1A-1	1	129672-22021	PISTON ASSY, 18.0 (B=EZXXXX)			4	4	4		N	
3	2	729692-22510	RING SET, PISTON	4	4						
3-1	2	729692-22511	PISTON RING CMP (A=EXXXXX) (B=EXXXXX)	4	4					N	
3-2	2	129673-22500	PISTON RING CMP (A=EZXXXX) (B=EZXXXX)	4	4					N	
3-3	2	129673-22501	RING SET, PISTON (A=EZXXXX) (B=EZXXXX)	4	4	4				N	
7	1	129573-22301	PIN, PISTON D28 L69	4	4	4					
8	1	22252-000280	RING, 28	8	8	8					
9	1	729573-23700	ROD ASSY, CONNECTING	4	4	4					
13	2	121550-23200	BOLT, CONNECTING ROD	8	8	8					
14	2	129150-23600	BEARING, CRANK PIN	4							
14-1	2	129150-23601	BEARING, CRANK PIN (A=*2006.06)	4	4	4				N	
16	1	129150-23610	BEARING, 0.25 US	4						1	
16-1	1	129150-23611	BEARING, 0.25 US (A=*2006.06)	4	4	4				N	1

Remarks

(1)Under sized(U.S.=0.25)parts.

N:Old Yes No New, Q:Old Yes No New, R:Old Yes Yes New, S:Old Yes No New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.17. LUB. OIL SYSTEM



Remarks

(1)Spare parts.

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

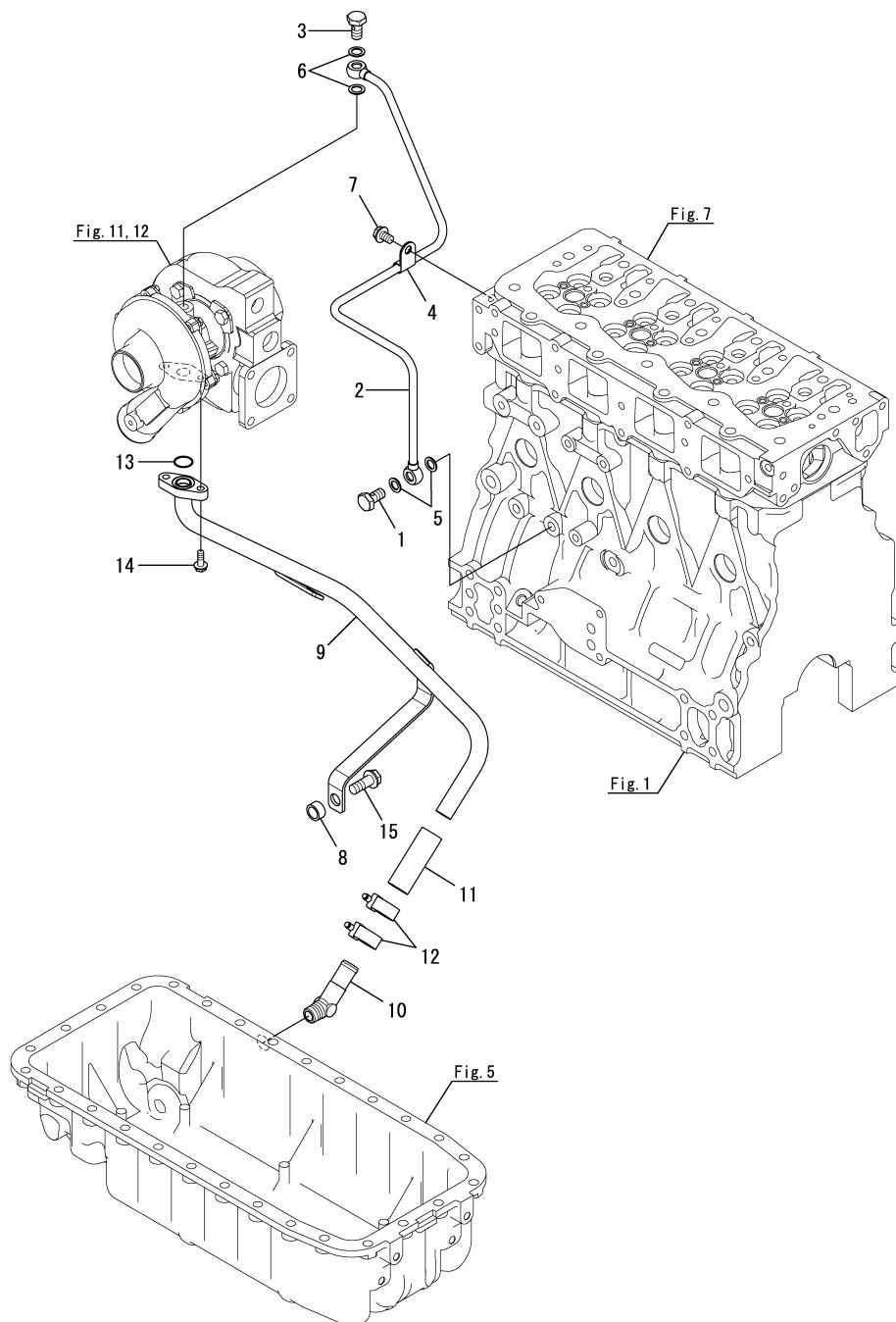
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129671-32000	PUMP ASSY, OIL	1	1	1			
2	1	129150-32020	GASKET, PUMP	1	1	1			
3	1	26450-060252	BOLT, M6X 25	4	4	4			
4	1	129150-35042	GASKET	1	1	1			
5	1	129473-35091	PIPE ASSY, OIL INLET	1	1	1			
6	1	22217-080000	WASHER, SPRING 8	1	1	1			
7	1	26106-080142	BOLT, M8X 14 PLATED	1	1	1			
8	1	26106-080352	BOLT, M8X 35 PLATED	2	2	2			
9	1	129672-33050	COOLER ASSY, OIL	1	1	1			
10	1	129908-33101	BRACKET, COOLER	1	1	1			
11	1	129417-33110	NUT	1	1	1			
11-1	1	129417-33111	NUT, OIL COOLER	1	1	1			
			(A=EXXXXX) (B=EXXXXX)						
12	1	129672-35000	BRACKET ASSY, FILTER	1	1	1			
13	2	124160-01910	PLUG, PT1/4	2	2	2			
14	2	129672-33060	BOLT, FILTER	1	1	1			
16	1	129103-35122	GASKET	1	1	1			
17	1	129150-35153	FILTER	1	1	1			
18	1	119620-49290	COCK ASSY, 1/4	1	1	1			
22	1	129672-49310	PIPE, WATER	1	1	1			
23	1	129672-49320	PIPE, WATER	1	1	1			
25	2	129672-49340	TUBE, CORRUGATED	1	1	1			
26	1	129671-49410	JOINT	1	1	1			
27	1	23000-022000	CLAMP, 22	4	4	4			
28	1	24321-000600	O-RING, 1AG60.0	1	1	1			
29	1	26106-080202	BOLT, M8X 20 PLATED	2	2	2			
30	1	26106-080352	BOLT, M8X 35 PLATED	1	1	1			
31	1	124460-77680	RETAINER	1	1	1			
32	1	23061-070300	PIPE, 7X 300	1	1	1			
33	1	124413-39100	PUMP ASSY, WASTE	1	1	1			
			(A=EXXXXX) (B=EXXXXX)						
34	1	43720-001220	PIPE	1	1	1			
34-1	1	129670-39990	HOSE,OIL DRAIN 3M	1	1	1			
			(A=EXXXXX) (B=EXXXXX)						
34-2	1	129670-39990	HOSE,OIL DRAIN 3M	1	1	1			
			(A=EXXXXX) (B=EXXXXX)						
35	1	121750-59890	BAND, 140	1	1	1			

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

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Fig.18. LUB. OIL PIPE

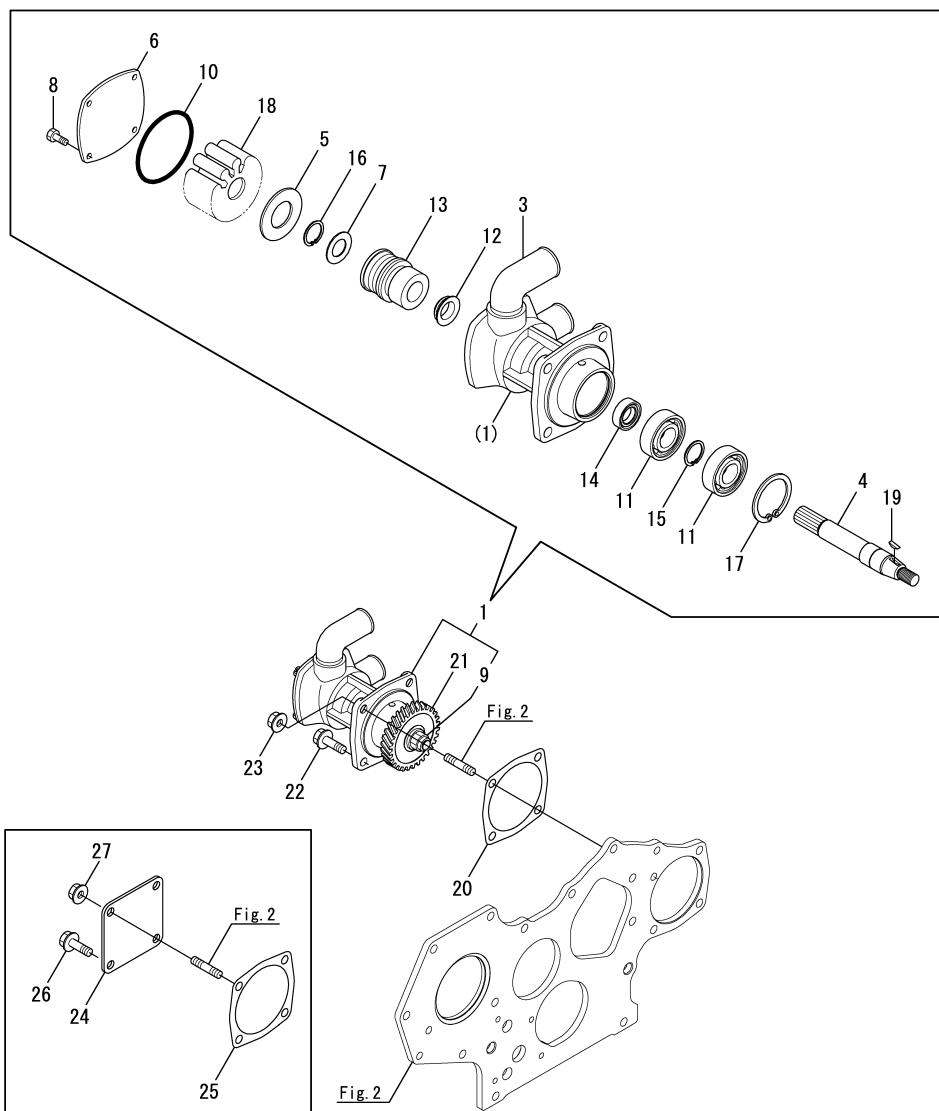


(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	124160-39140	BOLT, PIPE JOINT M10	1	1	1			
2	1	129671-39460	PIPE ASSY	1	1	1			
3	1	124413-39710	BOLT, PIPE JOINT M10	1	1	1			
4	1	124223-39900	RETAINER	1	1	1			
5	1	22190-100002	WASHER, SEAL 10	2	2	2			
6	1	23414-100000	GASKET, 10X1.0	2	2	2			
7	1	26106-080122	BOLT, M8X 12 PLATED	1	1	1			
8	1	129301-34830	SPACER	1	1	1			
9	1	129693-39601	PIPE, OIL	1	1	1			
10	1	129472-39620	ELBOW, PT3/8	1	1	1			
11	1	123901-39820	HOSE	1	1	1			
12	1	23000-025000	CLAMP, 25	2	2	2			
13	1	24314-000180	O-RING, 4CP18.0	1	1	1			
14	1	26106-060162	BOLT, M6X 16 PLATED	2	2	2			
15	1	26106-100252	BOLT, M10X 25 PLATED	1	1	1			

Fig.19. COOLING SEA WATER PUMP

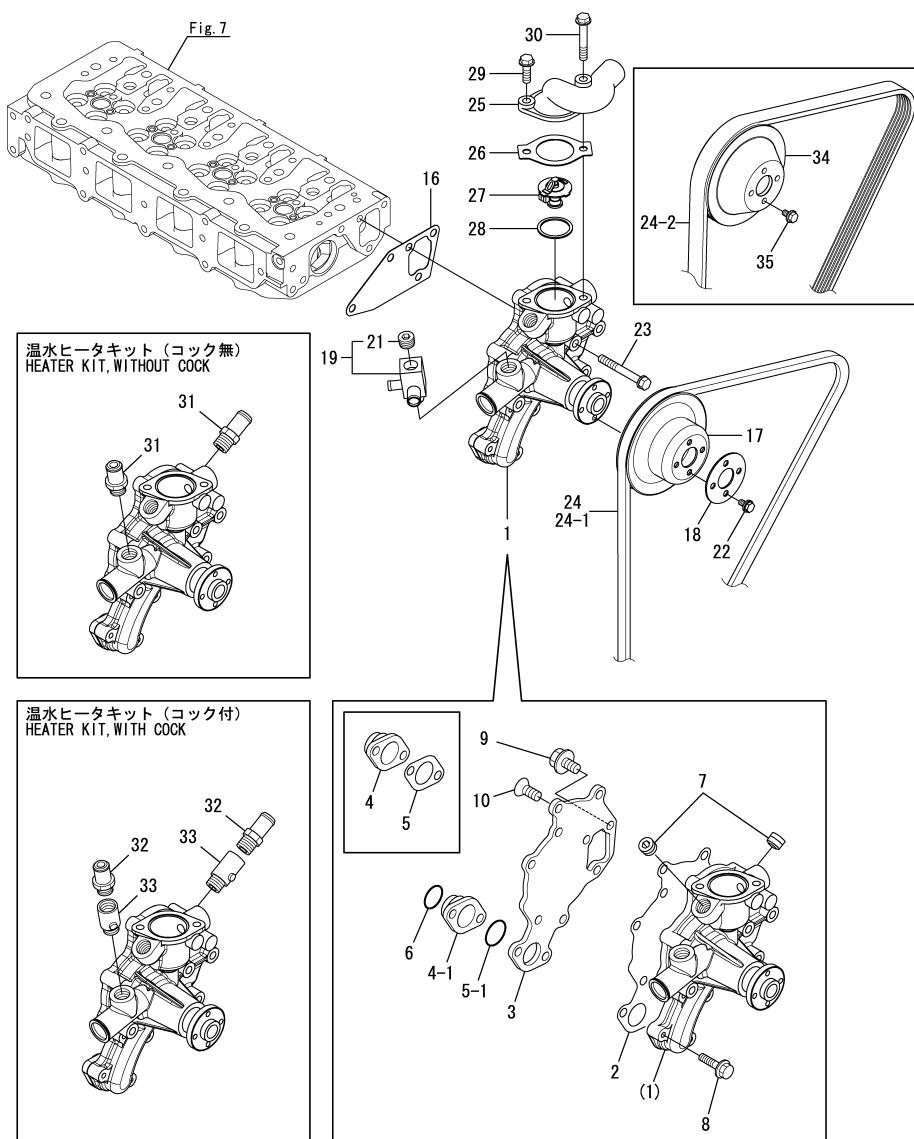


(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	Q'ty				
				(A)	(B)	(C)	(D)	(E)
1	1	129670-42512	PUMP ASSY, WATER	1	1	1		
3	2	X01357681	CONNECTOR	1	1	1		
4	2	X0146531	SHAFT	1	1	1		
5	2	129670-42540	PLATE	1	1	1		
6	2	129670-42520	COVER	1	1	1		
7	2	129670-42550	WASHER	1	1	1		
8	2	129271-42510	SCREW	4	4	4		
9	2	X00190001	NUT, LOCK	1	1	1		
10	2	119773-42570	O-RING	1	1	1		
11	2	X03431483	BEARING	2	2	2		
12	2	X02230015	RING	1	1	1		
13	2	129670-42560	SEAL, MECHANICAL	1	1	1		
14	2	X02233001	SEAL, LIP	1	1	1		
15	2	X00370017	CIRCLIP	1	1	1		
16	2	129670-42570	CIRCLIP	1	1	1		
17	2	X00371040	CIRCLIP	1	1	1		
18	2	129670-42531	IMPELLER	1	1	1		
19	2	129670-42580	KEY	1	1	1		
20	1	129150-01881	GASKET	1	1	1		
21	1	129670-42700	GEAR, PUMP	1	1	1		
22	1	26106-080252	BOLT, M8X 25 PLATED	3	3	3		
23	1	26306-080002	NUT, M8	1	1	1		
24	1	124240-01871	COVER	1	1	1		
25	1	129150-01881	GASKET	1	1			
25-1	1	129C26-01890	GASKET, HO-P	1	1	1		R
(A=2012.03) (B=2012.03)								
26	1	26106-080252	BOLT, M8X 25 PLATED	3	3	3		
27	1	26306-080002	NUT, M8	1	1	1		

Fig.20. COOLING FRESH WATER PUMP



(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

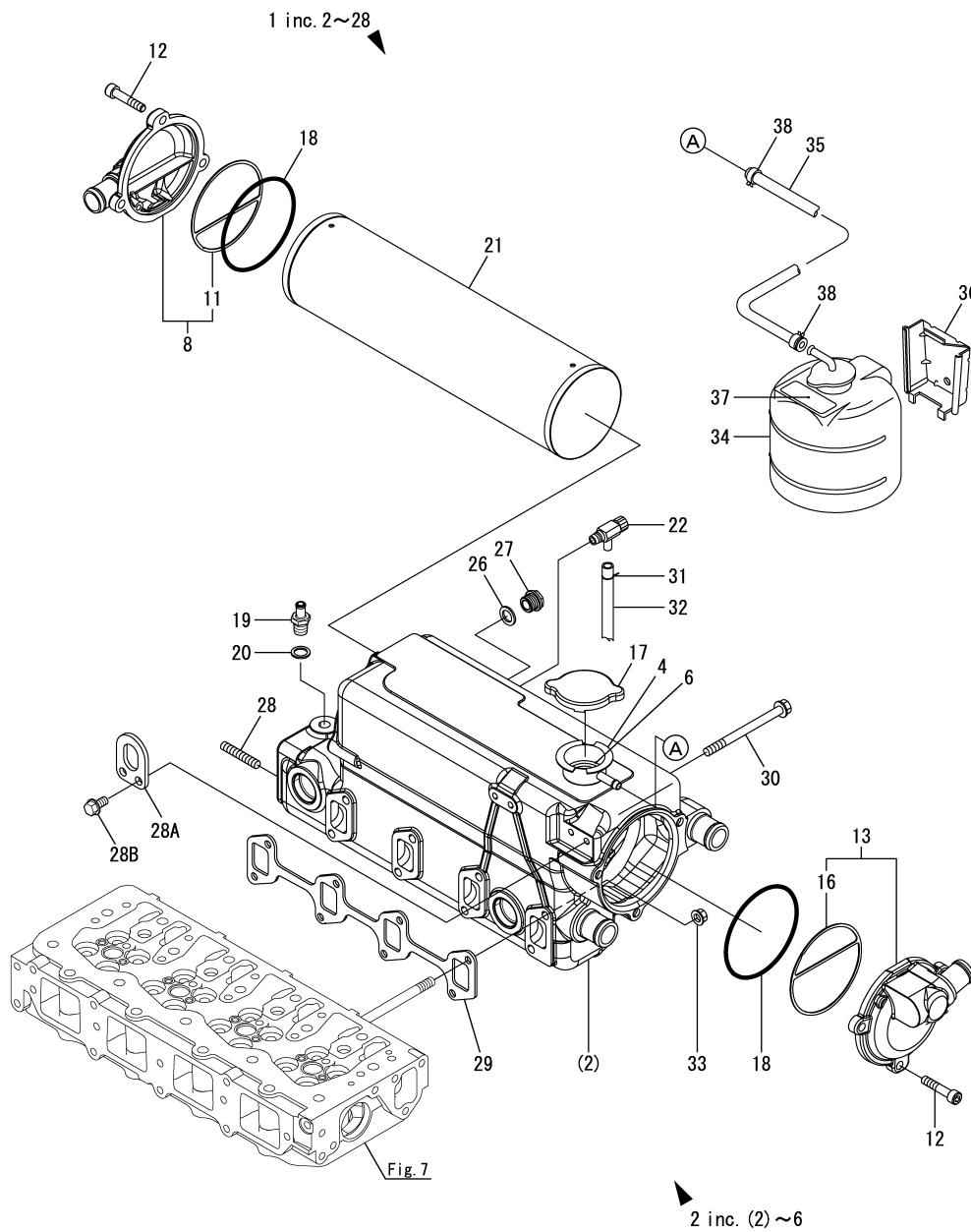
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty	I	R
				(A) (B) (C) (D) (E) (F)		
1	1	129271-42001	PUMP ASSY, WATER	1 1 1		
2	2	129150-42059	GASKET	1 1 1		
3	2	129263-42120	PLATE	1 1 1		
4	2	129150-42300	FLANGE	1		
4-1	2	129150-42301	FLANGE	1 1 1	F	1
			(A=2006.08)			
5	2	129150-42319	GASKET	1		
5-1	2	24358-240310	O-RING, 524031	1 1 1	S	
			(A=2006.08)			
6	2	129054-42320	O-RING	1 1 1		
7	2	129916-49740	PLUG, R03	2 2 2		
8	2	26106-060202	BOLT, M6X 20 PLATED	2 2 2		
9	2	26116-060162	BOLT, M6X 16 PLATED	3 3 3		
10	2	26577-060142	SCREW M 6X 14	3 3 3		
16	1	129486-42050	GASKET, WATER PUMP	1 1 1		
17	1	129550-42350	V-PULLEY, D=120	1 1 1	Z	
			(A=E15602) (B=E24940) (C=E40232)			
18	1	129156-44760	WASHER	1 1 1	Z	
			(A=E15602) (B=E24940) (C=E40232)			
19	1	129671-49430	JOINT ASSY	1 1 1		
21	2	23875-030000	PLUG, R03	1 1 1		
22	1	26106-060102	BOLT, M6X 10 PLATED	4 4 4	Z	
			(A=E15602) (B=E24940) (C=E40232)			
23	1	26106-080552	BOLT, M8X 55 PLATED	4 4 4		
24	1	25132-004600	V-BELT, A46	1		2
24-1	1	129671-42280	V-BELT, A45.5	1 1 1	N	2
			(A=2006.07)			
24-2	1	129671-77680	BELT, ALTERNATOR 6PK	1 1 1	S	3
			(A=E15602) (B=E24940) (C=E40232)			
25	1	129573-49540	COVER, THERMOSTAT	1 1 1		
26	1	129795-49551	GASKET	1 1 1		
27	1	129470-49801	THERMOSTAT, 76.5	1 1 1		
28	1	129470-49810	GASKET, THERMOSTAT	1 1		
28-1	1	129150-49811	GASKET, THERMOSTAT	1 1 1	R	
			(A=EXXXX) (B=EXXXX)			
29	1	26106-080252	BOLT, M8X 25 PLATED	1 1 1		
30	1	26106-080502	BOLT, M8X 50 PLATED	1 1 1		
31	1	128990-49320	JOINT, 3/8	2 2 2		
32	1	128990-49320	JOINT, 3/8	2 2 2		
33	1	129670-49390	COCK ASSY, R1/4XRP3/8	2 2 2		
34	1	129271-42350	PULLEY, CW PUMP 6PK	1 1 1	W	2
			(A=E15602) (B=E24940) (C=E40232)			
35	1	26106-060122	BOLT, M6X 12 PLATED	4 4 4	W	2
			(A=E15602) (B=E24940) (C=E40232)			

Remarks

- (1) Interchangeable by simultaneous replacement with No.5-1.
- (2) HITACHI generator spec.
- (3) Valeo generator spec.

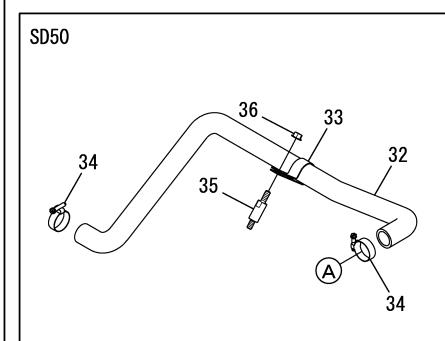
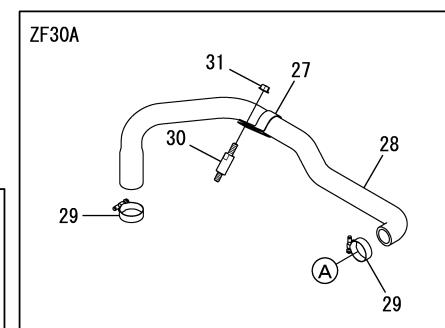
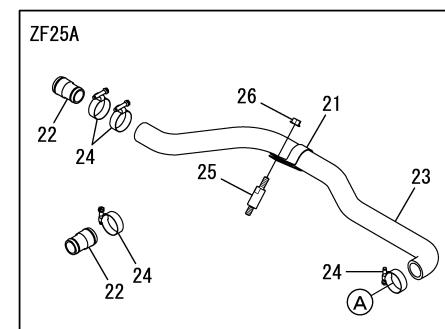
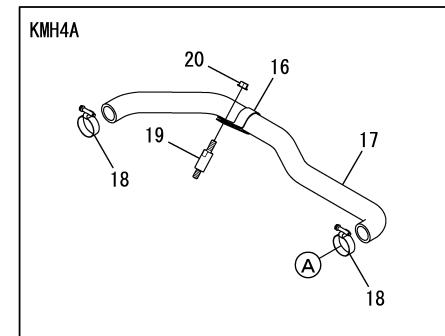
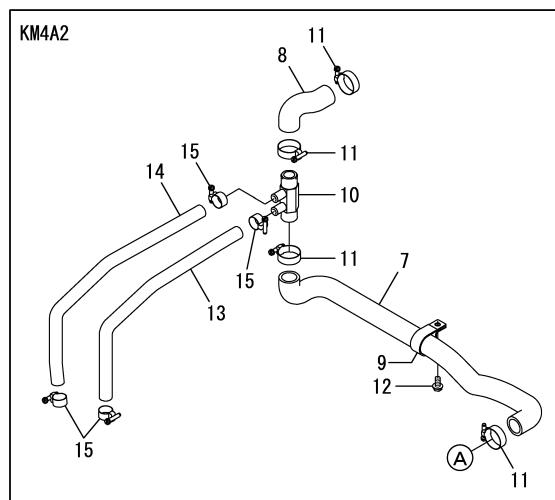
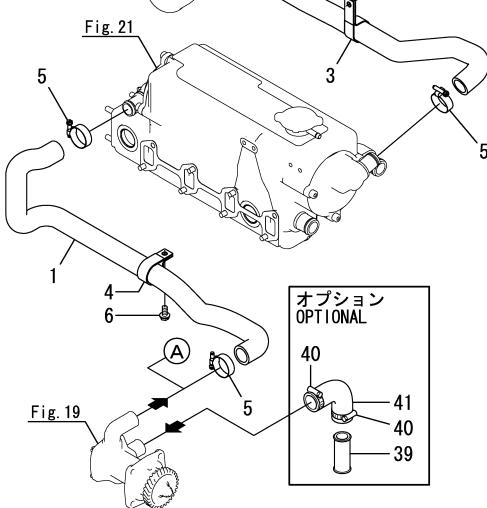
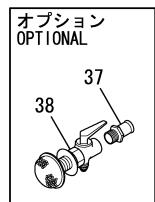
Fig.21. COOLING FRESH WATER COOLER



No.	Lev.	Parts No.	Description	(A)=4JH4-TE	(D)=		
				(B)=4JH4-HTE	(E)=		
				(C)=4JH4-HTE1	(F)=		
				(A)	(B)	Q'ty (C)	I R (D) (E) (F)
1	1	129672-44900	HEAT EXCHANGER ASSY	1	1	1	
2	2	129672-44020	BODY,COOLER CMP	1	1	1	
4	3	129673-44110	FILLER	1	1	1	
6	3	129673-44150	TUBE, D28.5X1.5 LG6	1	1	1	
8	2	129672-44070	COVER ASSY	1	1	1	
11	3	129693-44420	GASKET	1	1	1	
12	2	129673-44090	BOLT, M8X40	6	6	6	
13	2	129672-44100	COVER ASSY	1	1	1	
16	3	129693-44420	GASKET	1	1	1	
17	2	129673-44131	CAP	1	1	1	
18	2	129672-44150	O-RING, 99.5X3	2	2	2	
19	2	129672-44160	PLUG, G1/4	1	1	1	
20	2	129672-44170	GASKET 13.5-19	1	1	1	
21	2	129672-44400	CORE ASSY, COOLER	1	1	1	
22	2	119620-49290	COCK ASSY, 1/4	1	1	1	
26	2	23414-170000	GASKET, 17X1.0	1	1	1	
27	2	23893-030002	PLUG, G3/8	1	1		
27-1	2	23894-030002	PLUG, G3/8	1	1	1	R
		(A=XXXXXX) (B=XXXXXX)					
28	2	128170-13600	STUD, M8X31	4	4		
28-1	2	129670-13600	STUD	4	4	4	R
		(A=XXXXXX) (B=XXXXXX)					
28A	2	129670-07230	LIFTER	1	1	1	W
		(A=XXXXXX) (B=XXXXXX)					
28B	2	26450-080162	BOLT, M8X 16	2	2	2	W
		(A=XXXXXX) (B=XXXXXX)					
29	1	129550-13110	GASKET	1	1	1	
30	1	129693-44310	BOLT	6	6		
30-1	1	129671-44310	BOLT(CFW COOLER	6	6	6	R
		(A=XXXXXX) (B=XXXXXX)					
31	1	124460-77680	RETAINER	1	1	1	
32	1	23061-070300	PIPE, 7X 300	1	1	1	
33	1	26306-080002	NUT, M8	2	2	2	
34	1	128397-44500	TANK ASSY, SUB	1	1	1	
35	1	129270-44501	PIPE	1	1	1	
36	1	128397-44510	BRACKET	1	1	1	
37	1	129670-44570	LABEL, SUB-TANK	1	1	1	
38	1	23010-013000	CLAMP 13	2	2	2	

N:Old  New, Q:Old  New, R:Old  New, S:Old  New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Qty Change
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Fig.22. COOLING SEA WATER PIPE(4JH4-TE)



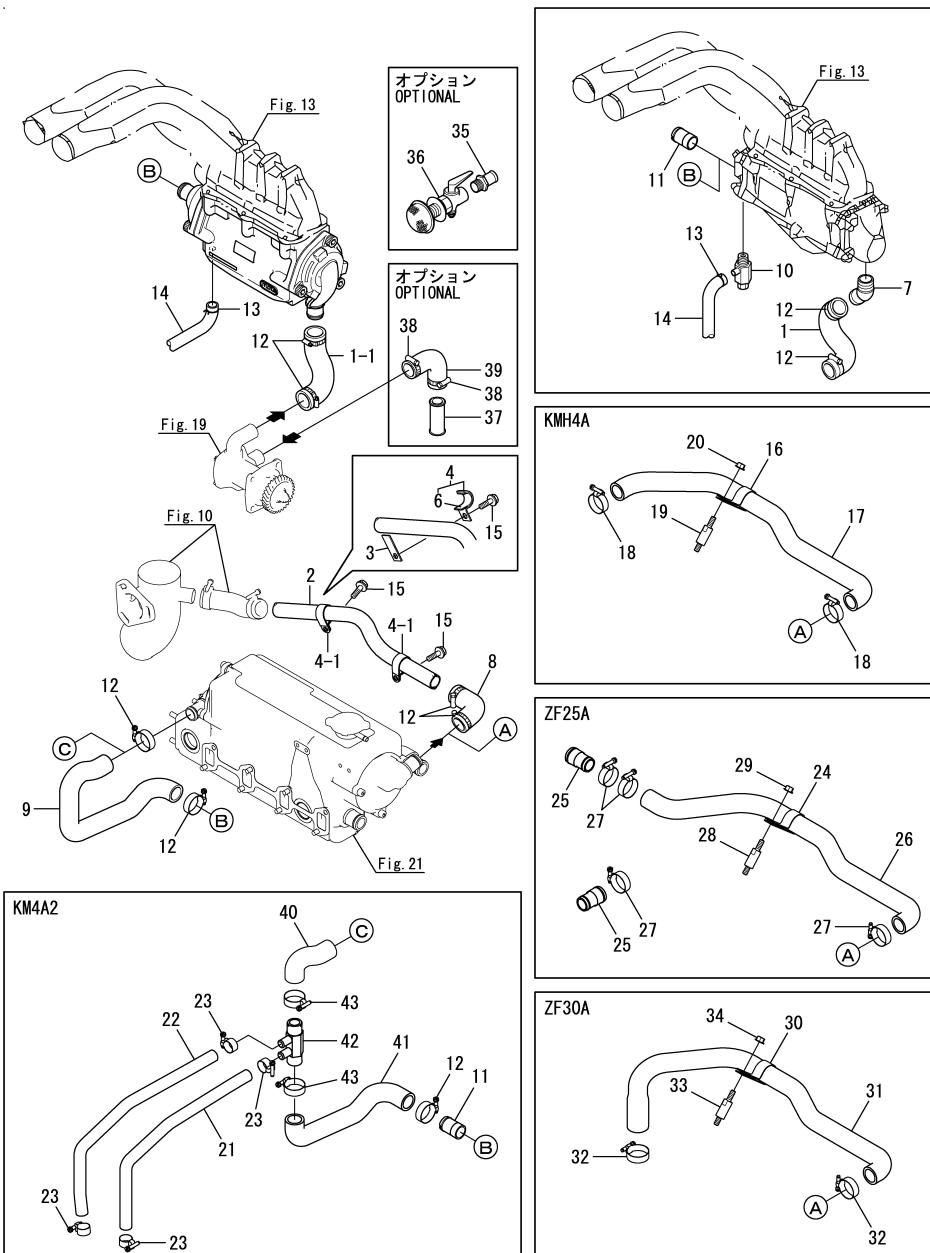
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129671-49010	PIPE, WATER							1	
2	1	129671-49020	PIPE, WATER							1	
3	1	129671-49110	RETAINER							1	
4	1	129671-49120	RETAINER							1	
5	1	129670-49500	CLIP, HOSE 38							4	
6	1	26106-080162	BOLT, M8X 16 PLATED							2	
7	1	129671-49030	PIPE, WATER							1	
8	1	129672-49030	PIPE, WATER							1	
9	1	129671-49120	RETAINER							1	
10	1	129670-49410	JOINT							1	
11	1	129670-49500	CLIP, HOSE 38							4	
12	1	26106-080162	BOLT, M8X 16 PLATED							1	
13	1	129671-49230	PIPE, WATER							1	
14	1	129671-49240	PIPE, WATER							1	
15	1	23000-022000	CLAMP, 22							4	
16	1	129671-49110	RETAINER							1	
17	1	129672-49410	PIPE, WATER							1	
18	1	129670-49500	CLIP, HOSE 38							2	
19	1	129271-77420	BOLT							1	
20	1	26366-080002	NUT, M8							1	
21	1	129671-49110	RETAINER							1	
22	1	129673-49410	JOINT							2	
23	1	129673-49420	PIPE, CSW ZF25A							1	
24	1	129670-49500	CLIP, HOSE 38							4	
25	1	129271-77420	BOLT							1	
26	1	26366-080002	NUT, M8							1	
27	1	129671-49110	RETAINER							1	
28	1	129673-49430	PIPE, WATER							1	
29	1	129670-49500	CLIP, HOSE 38							2	
30	1	129271-77420	BOLT							1	
31	1	26366-080002	NUT, M8							1	
32	1	129671-49100	PIPE, WATER							1	
33	1	129671-49110	RETAINER							1	
34	1	129670-49500	CLIP, HOSE 38							2	
35	1	129271-77420	BOLT							1	
36	1	26366-080002	NUT, M8							1	
37	1	43530-500570	JOINT, PIPE							1	
38	1	43662-025030	COCK ASSY, KINGSTON							1	
38-1	1	43662-025031	COCK, KINGSTON							1	
N											
(A=XXXXXX)											
39	1	129490-49070	JOINT							1	
40	1	129670-49500	CLIP, HOSE 38							2	
41	1	129171-49900	JOINT, RUBBER							1	

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

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(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1
(D)=
(E)=
(F)=

Fig.23. COOLING SEA WATER PIPE(4JH4-HT/HT1)



Remarks

(1) Interchangeable by simultaneous replacement with Fig.13 No.1-1.

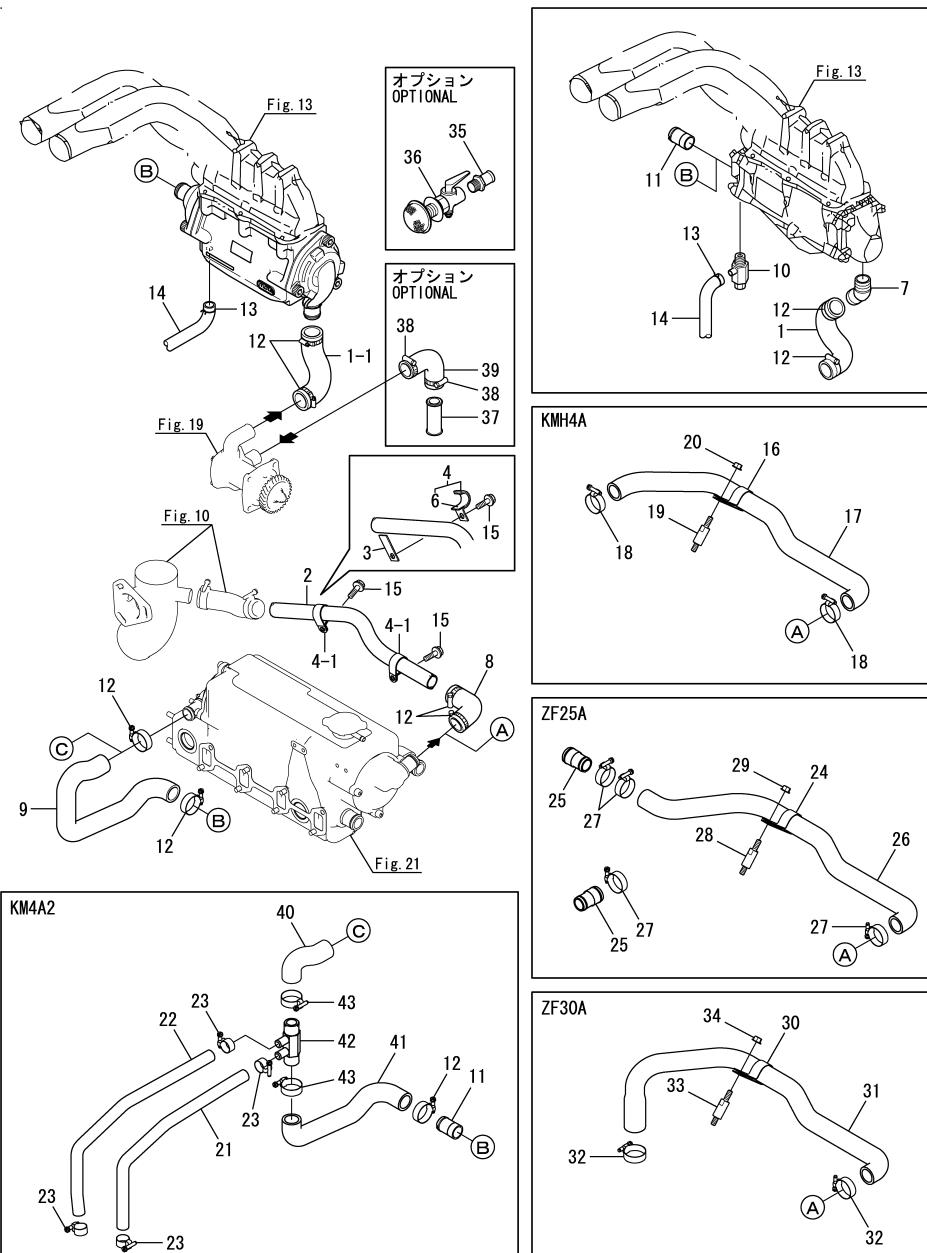
(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	Q'ty	I	R
				(A) (B) (C) (D) (E) (F)		
1	1	129673-49010	PIPE, WATER	1		
1-1	1	129672-49060	PIPE, WATER (B=2006.10)	1	1	S 1
2	1	129698-49020	PIPE, WATER	1	1	
3	1	129693-49040	RETAINER, PIPE (B=2009.06)	2		Z
4	1	129693-49050	RETAINER ASSY (B=2009.06)	2		Z
4-1	1	129672-49050	RETAINER,CSW	2	2	W
6	2	127675-82650	SEAT (B=2009.06)	2		Z
7	1	129673-49060	ELBOW, 45 (B=2006.10)	1		Z
8	1	129672-49070	PIPE, WATER	1	1	
9	1	129672-49230	PIPE, WATER	1	1	
10	1	119620-49290	COCK ASSY, 1/4 (B=2006.10)	1		Z
11	1	129672-49420	JOINT, PIPE (B=2006.10)	1		Z
12	1	129670-49500	CLIP, HOSE 38	6	6	
13	1	124460-77680	RETAINER	1	1	
14	1	23061-070300	PIPE, 7X 300	1	1	
15	1	26106-080162	BOLT, M8X 16 PLATED	2	2	
16	1	129671-49110	RETAINER	1	1	
17	1	129672-49410	PIPE, WATER	1	1	
18	1	129670-49500	CLIP, HOSE 38	2	2	
19	1	129271-77420	BOLT	1	1	
20	1	26366-080002	NUT, M8	1	1	
21	1	129671-49230	PIPE, WATER	1	1	
22	1	129671-49240	PIPE, WATER	1	1	
23	1	23000-022000	CLAMP, 22	4	4	
24	1	129671-49110	RETAINER	1	1	
25	1	129673-49410	JOINT	2	2	
26	1	129673-49420	PIPE, CSW ZF25A	1	1	
27	1	129670-49500	CLIP, HOSE 38	4	4	
28	1	129271-77420	BOLT	1	1	
29	1	26366-080002	NUT, M8	1	1	
30	1	129671-49110	RETAINER	1	1	
31	1	129673-49430	PIPE, WATER	1	1	
32	1	129670-49500	CLIP, HOSE 38	2	2	
33	1	129271-77420	BOLT	1	1	
34	1	26366-080002	NUT, M8	1	1	
35	1	43530-500570	JOINT, PIPE	1	1	
36	1	43662-025030	COCK ASSY, KINGSTON	1		
36-1	1	43662-025031	COCK, KINGSTON (B=EXXXX)	1	1	N
37	1	129490-49070	JOINT	1	1	
38	1	129670-49500	CLIP, HOSE 38	2	2	
39	1	129171-49900	JOINT, RUBBER	1	1	
40	1	129672-49030	PIPE, WATER	1	1	

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

Fig.23. COOLING SEA WATER PIPE(4JH4-HT/HT1)



Remarks

(1) Interchangeable by simultaneous replacement with Fig.13 No.1-1.

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

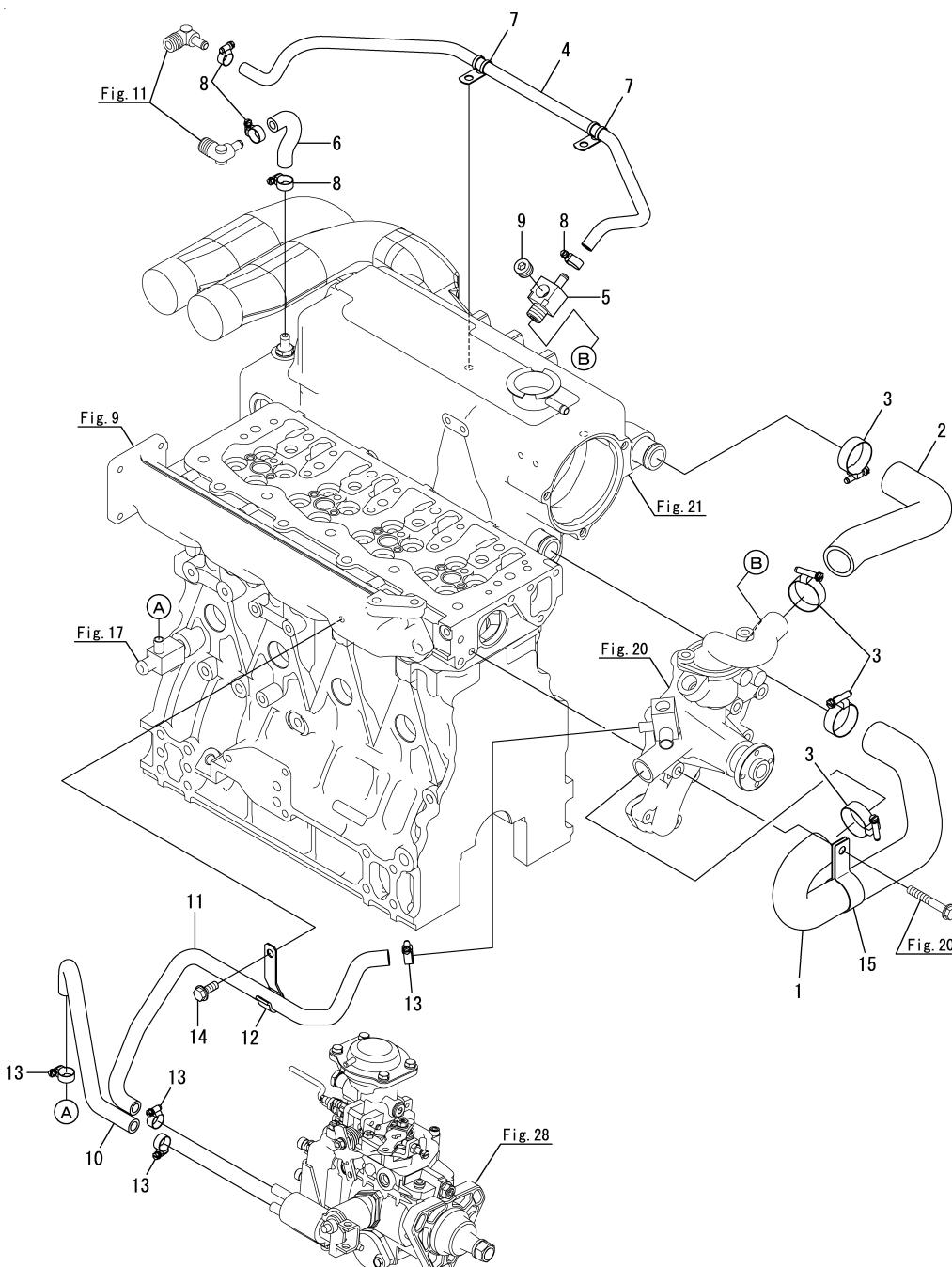
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty					I R
				(A)	(B)	(C)	(D)	(E)	
41	1	129672-49240	PIPE, WATER	1		1			
42	1	129670-49410	JOINT		1		1		
43	1	129670-49500	CLIP, HOSE 38		2		2		

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

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Fig.24. COOLING FRESH WATER PIPE



(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

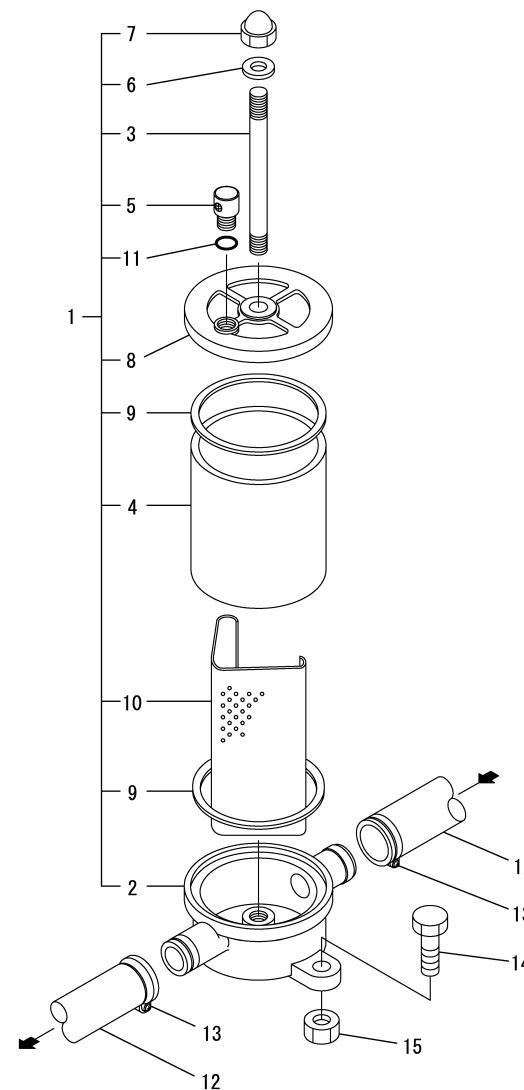
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129671-49220	PIPE, WATER	1	1	1			
2	1	129672-49260	PIPE, COOLING WATER	1	1	1			
3	1	129670-49500	CLIP, HOSE 38	4	4	4			
4	1	129673-44560	PIPE, OVERFLOW	1	1	1			
5	1	129473-49310	JOINT, PT3/8-8	1	1	1			
5-1	1	129673-49310	JOINT, PT3/8-8	1	1	1			
(A=EXXXXX) (B=EXXXXX)									
6	1	129672-49500	PIPE	1	1	1			
7	1	194440-51620	CLAMP	2	2	2			
8	1	23000-013000	CLAMP, 13	4	4	4			
9	1	23876-030000	PLUG, R03	1	1	1			
10	1	129671-49310	PIPE, WATER	1	1	1			
11	1	129671-49320	PIPE, WATER	1	1	1			
12	1	129671-49330	CLAMP, PIPE	1	1	1			
13	1	23000-016000	CLAMP, 16	4	4				
13-1	1	23000-019000	CLAMP, 19	4	4	4			
(A=EXXXXX) (B=EXXXXX)									
14	1	26106-080102	BOLT, M8X 10 PLATED	1	1	1			
15	1	129271-49110	RETAINER, PIPE	1	1	1			
(A=*2009.06) (B=*2009.06)									

Fig.25. COOLING SEA WATER STRAINER(OPTIONAL)

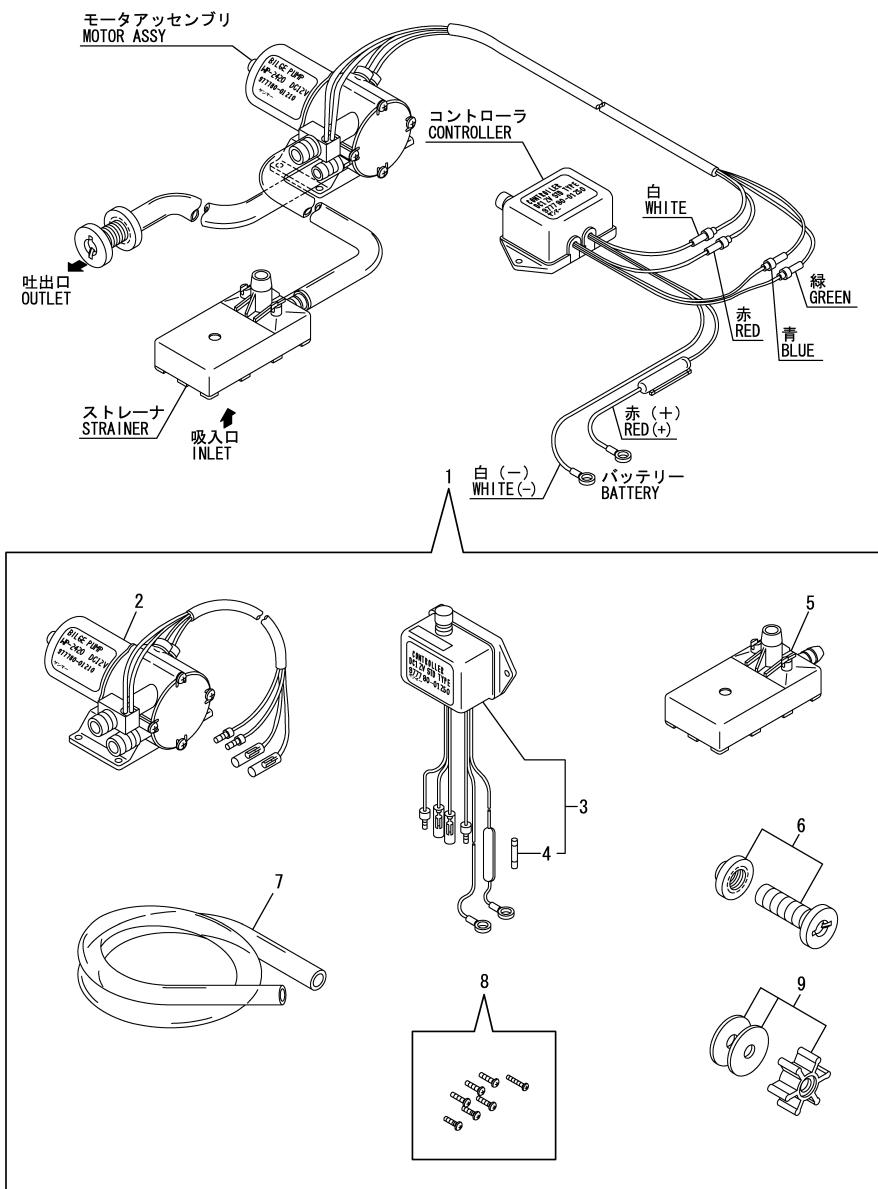
(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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



No.	Lev.	Parts No.	Description	Q'ty				
				(A)	(B)	(C)	(D)	(E)
1	1	129795-48800	STRAINER	1	1	1		
2	2	XTST25S001	BODY	1	1	1		
3	2	XTST25S002	BOLT M 8X125	1	1	1		
4	2	XTST25S003	PIPE, OUTER	1	1	1		
5	2	XTST25S004	PLUG M 8	1	1	1		
6	2	XTST25S005	PACKING	1	1	1		
7	2	26664-080002	NUT, CAP M8	1	1	1		
8	2	XTST25S007	COVER	1	1	1		
9	2	XTST25S008	PACKING	2	2	2		
10	2	XTST25S009	FILTER	1	1	1		
11	2	24311-000060	O-RING, 1AP6.0	1	1	1		
12	1	23072-101000	HOSE, 10X1000	1	1	1		
13	1	129670-49500	CLIP, HOSE 38	2	2	2		
14	1	26116-080302	BOLT, M8X 30 PLATED	2	2	2		
15	1	26703-080002	NUT, M8	2	2	2		

Fig.26. BILGE PUMP(STD/OPTIONAL)



Remarks

(1) Component parts: Refer to Fig.(27A)

(A)=4JH4-TE
 (B)=4JH4-HTE
 (C)=4JH4-HTE1

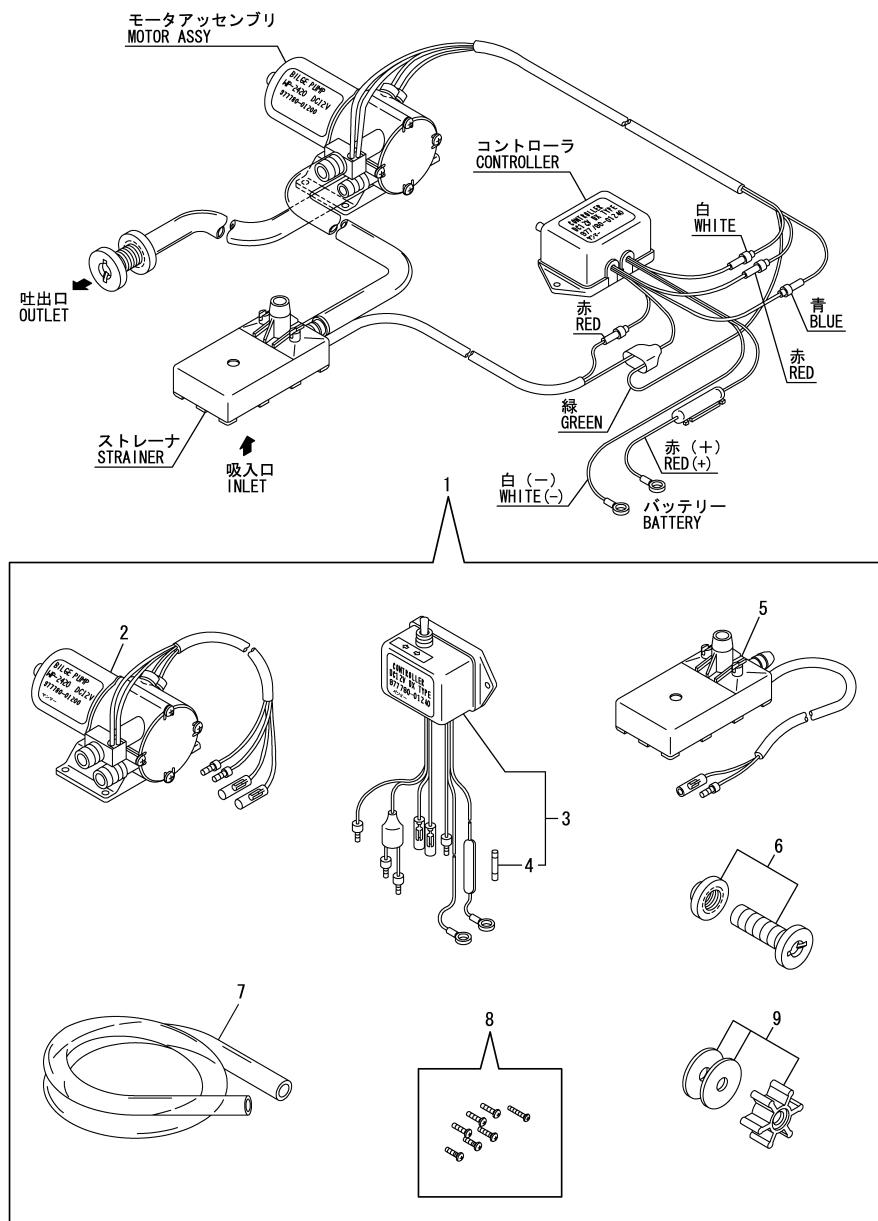
(D)=
 (E)=
 (F)=

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	977780-01211	PUMP ASSY, BILGE	1 1 1		N 1
		(A=EXXXXX) (B=EXXXXX)				
2	2	977780-01230	MOTOR ASSY(BILG PUMP	1 1		
3	2	977780-01250	CONTROLLER	1 1		
4	3	X8636008003	FUSE	1 1		
5	2	X179100021X	STRAINER	1 1		
6	2	X179100100X	PIPE ASSY	1 1		
7	2	X0044021509	HOSE A	1 1		
8	2	X199903800X	SCREW KIT	1 1		
9	2	977780-03000	INPELLER	1 1		

N:Old $\xrightarrow{\text{Yes}}_{\text{No}}$ New, Q:Old $\xrightarrow{\text{No}}_{\text{Yes}}$ 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.27. BILGE PUMP(DX/OPTIONAL)



Remarks

(1) Component parts: Refer to Fig.(27A)

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

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	977780-01211	PUMP ASSY, BILGE	1	1	1			
		(A=EXXXXX)	(B=EXXXXX)						
2	2	977780-01230	MOTOR ASSY(BILG PUMP	1	1				
3	2	977780-01240	CONTROLLER	1	1				
4	3	X8636008003	FUSE	1	1				
5	2	X179100011X	STRAINER	1	1				
6	2	X179100100X	PIPE ASSY	1	1				
7	2	X0044021509	HOSE A	1	1				
8	2	X199903800X	SCREW KIT	1	1				
9	2	977780-03000	INPELLER	1	1				

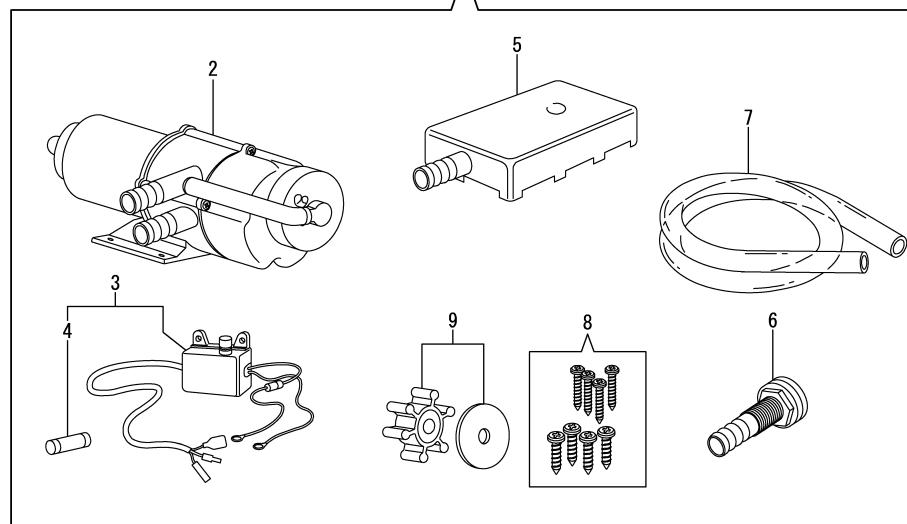
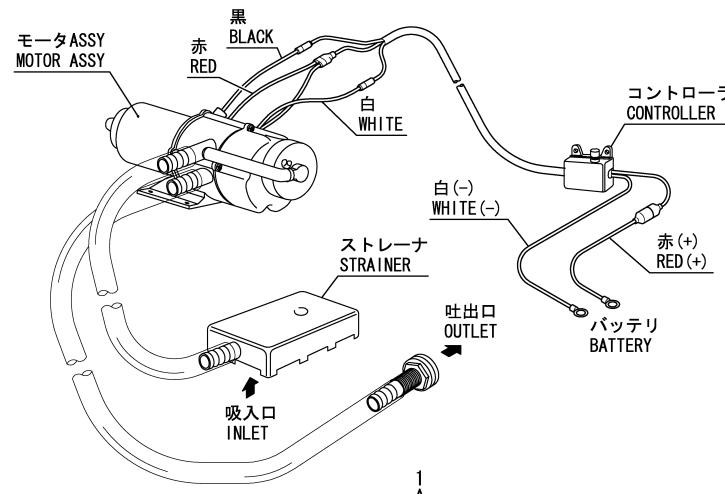
N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.50. (27A)BILGE PUMP(OPTIONAL)

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

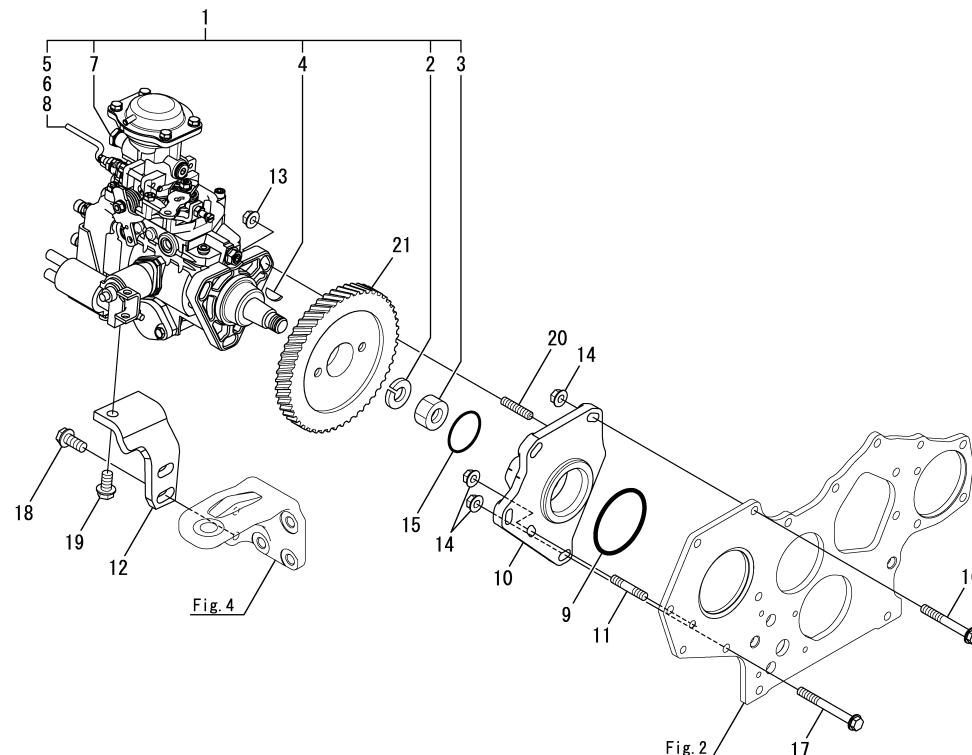


No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	977780-01211 (A=EXXXXX) (B=EXXXXX)	PUMP ASSY, BILGE	1	1	1			W
2	2	X0318101004	MOTOR ASSY, BILGE	1	1	1			
3	2	X158606410X	SWITH	1	1	1			
4	3	X8636015001	FUSE	1	1	1			
5	2	X179100022X	STRAINER	1	1	1			
6	2	X179100100X	PIPE ASSY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

Fig.28. FUEL INJECTION PUMP

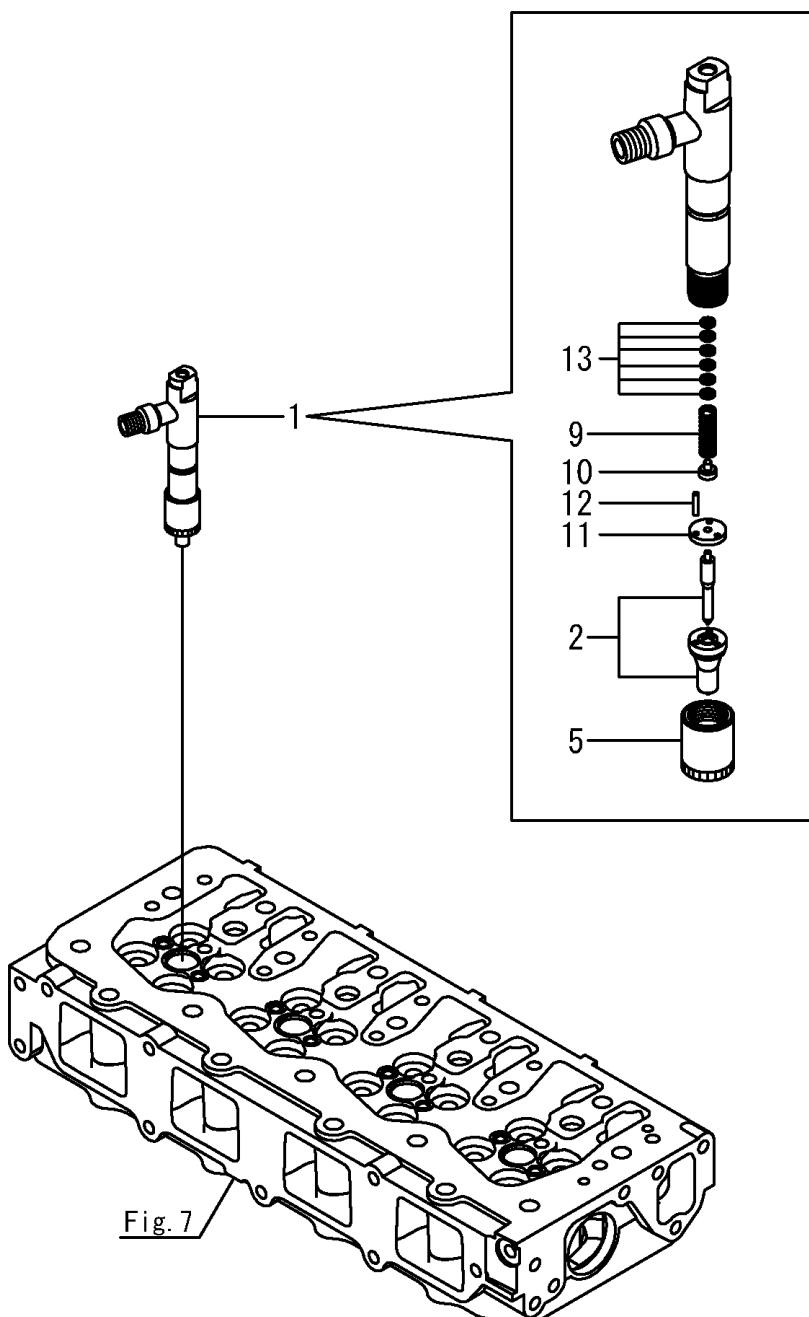
(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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



No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129671-51950	PUMP ASSY, INJECTION	1					
1A	1	129672-51950	PUMP ASSY, INJECTION	1					
1B	1	129672-51970	PUMP, F.I.	1					
2	2	X0293214050	WASHER	1	1	1			
3	2	X0131214140	NUT	1	1	1			
4	2	X0294704030	KEY	1	1	1			
5	2	119171-67200	SOLENOID, MAGNETIC	1	1	1			
6	2	129693-67210	SPRING	1	1	1			
7	2	119171-59200	BOLT, PIPE JOINT	1	1	1			
8	2	X1466584820	WIRE	1	1	1			
9	1	121850-51960	O-RING	1	1	1			
10	1	129673-54030	BRACKET, PUMP	1	1	1			
11	1	121450-01560	STUD, M8X22	1	1	1			
12	1	129673-51251	RETAINER, PUMP	1	1	1			
13	1	26306-080002	NUT, M8	3	3	3			
14	1	26306-080002	NUT, M8	5	5	5			
15	1	24341-000500	O-RING, 1AS50.0	1	1	1			
16	1	26106-080652	BOLT, M8X 65 PLATED	3	3	3			
17	1	26106-080752	BOLT, M8X 75 PLATED	1	1	1			
18	1	26106-100182	BOLT, M10X 18 PLATED	1	1	1			
19	1	26106-100222	BOLT, M10X 22 PLATED	2	2	2			
20	1	26216-080282	STUD, M8X 28	3	3	3			
21	1	129671-25920	GEAR, PUMP	1	1	1			

Fig.29. FUEL INJECTION VALVE



(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	729671-53110	VALVE ASSY,INJECTION	4							
1A	1	729672-53110	VALVE ASSY,INJECTION		4	4					
2	2	129671-53010	VALVE ASSY,INJECTION	4							
2A	2	129672-53010	VALVE ASSY,INJECTION		4	4					
5	2	114250-53080	NUT, NOZZLE D16.95	4	4	4					
9	2	114250-53120	SPRING, NOZZLE	4	4	4					
10	2	114250-53130	SEAT, SPRING	4	4	4					
11	2	114250-53140	PLATE	4	4	4					
12	2	114250-53210	PIN	8	8	8					
13	2	114250-53400	SHIM SET	4	4						
13-1	2	119803-53400	SHIM SET	4	4	4					
(A=EXXXXX)				(B=EXXXXX)							

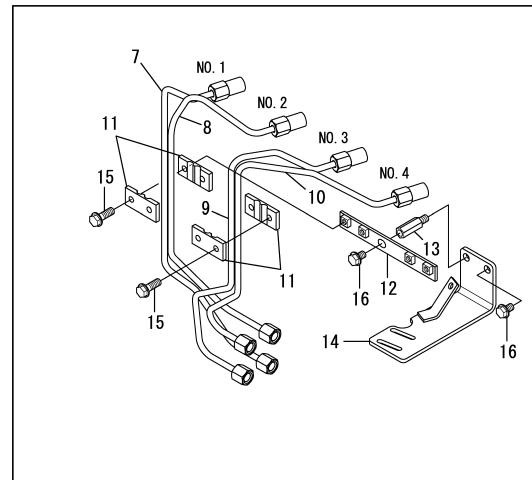
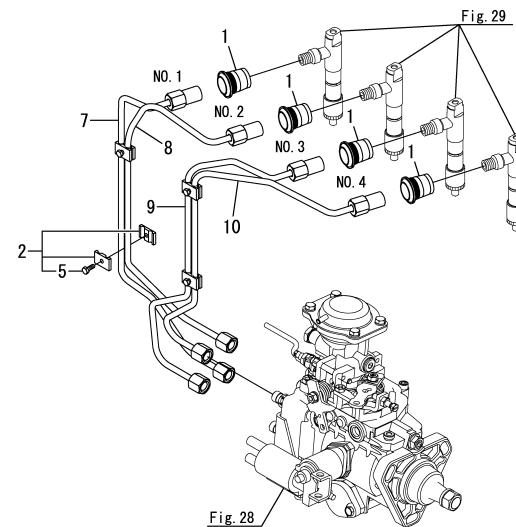
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Fig.30. FUEL INJECTION PIPE

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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



Remarks

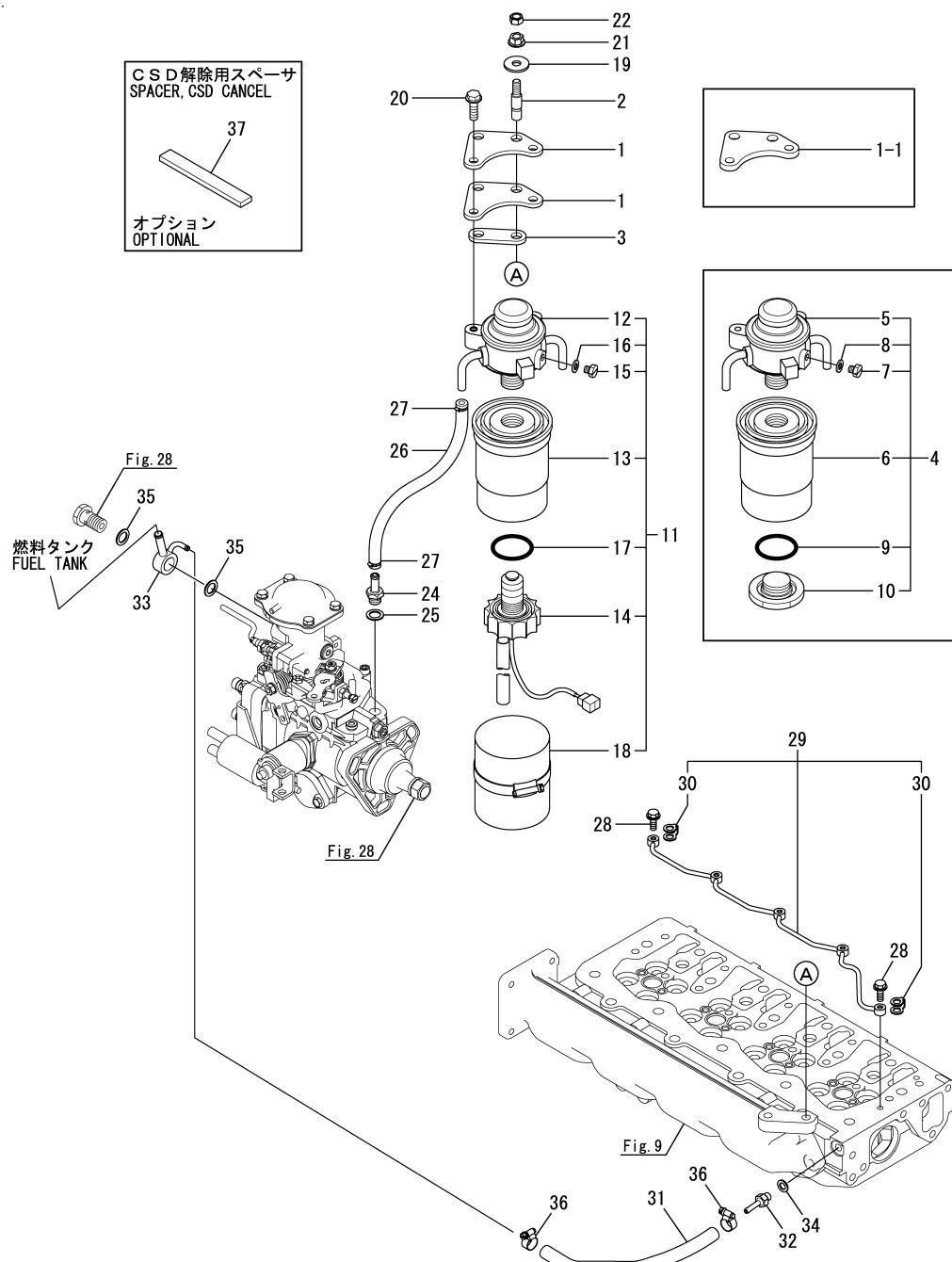
(1) Interchangeable by simultaneous replacement with Ref.No.11,12,13, 14,15,16.

No.	Lev.	Parts No.	Description	Q'ty	I	R
				(A) (B) (C) (D) (E) (F)		
1	1	123907-11601	SEAL	4 4 4		
2	1	119305-59120	RETAINER, PIPE (A=EZZZZZ) (B=EZZZZZ)	4 4	Z	1
5	2	129150-59131	BOLT, M4X14 (A=EZZZZZ) (B=EZZZZZ)	4 4	Z	1
7	1	129671-59810	PIPE ASSY, INJECTION	1 1 1		
8	1	129671-59820	PIPE ASSY, INJECTION	1 1 1		
9	1	129671-59830	PIPE ASSY, INJECTION	1 1 1		
10	1	129671-59840	PIPE ASSY, INJECTION	1 1 1		
11	1	122780-59100	RETAINER (A=EZZZZZ) (B=EZZZZZ)	4 4 4	W	
12	1	129671-59140	CLAMP A, FUEL PIPE (A=EZZZZZ) (B=EZZZZZ)	1 1 1	W	
13	1	129671-59150	CLAMP B, FUEL PIPE (A=EZZZZZ) (B=EZZZZZ)	1 1 1	W	
14	1	129693-67102	BRACKET (A=EZZZZZ) (B=EZZZZZ)	1 1 1	W	
15	1	26106-060202	BOLT, M6X 20 PLATED (A=EZZZZZ) (B=EZZZZZ)	4 4 4	W	
16	1	26106-080122	BOLT, M8X 12 PLATED (A=EZZZZZ) (B=EZZZZZ)	2 2 2	W	

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

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Fig.31. FUEL PIPE & FUEL STRAINER



- (A)=4JH4-TE
- (B)=4JH4-HTE
- (C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129673-55650	BRACKET, FILTER	2	2						
1-1	1	129673-55660	BRACKET	1	1	1					R
		(A=XXXXXX)	(B=XXXXXX)								
2	1	129671-55660	BOLT	2	2	2					
3	1	129670-55700	RUBBER	1	1	1					
4	1	129574-55810	STRAINER ASSY W/O S	1							Z
		(A=**2006.06)									
5	2	129574-55700	BODY ASSY	1							Z
		(A=**2006.06)									
6	2	129574-55711	FILTER, FUEL	1							Z
		(A=**2006.06)									
7	2	121857-55750	PLUG	1							Z
		(A=**2006.06)									
8	2	121857-55760	WASHER	1							Z
		(A=**2006.06)									
9	2	129574-55780	O-RING	1							Z
		(A=**2006.06)									
10	2	129574-55840	DRAIN PLUG	1							Z
		(A=**2006.06)									
11	1	129574-55820	STRAINER ASSY, FUEL	1	1	1					
12	2	129574-55700	BODY ASSY	1	1	1					
13	2	129574-55711	FILTER, FUEL	1	1	1					
14	2	129574-55730	SENSOR	1	1	1					
15	2	121857-55750	PLUG	1	1	1					
16	2	121857-55760	WASHER	1	1	1					
17	2	129574-55780	O-RING	1	1	1					
18	2	129574-55830	COVER, FILTER	1	1	1					
19	1	22137-080000	WASHER, 8	2	2	2					
20	1	26106-080252	BOLT, M8X 25 PLATED	2	2	2					
21	1	26306-080002	NUT, M8	2	2	2					
22	1	26716-080002	NUT, M8	2	2	2					
24	1	119171-59910	JOINT, PIPE	1	1	1					
25	1	22190-120002	WASHER, SEAL 12	1	1	1					
26	1	128990-59540	PIPE,FUEL	1	1	1					
27	1	23000-016000	CLAMP, 16	2	2						
27-1	1	23000-019000	CLAMP, 19	2	2	2					R
		(A=XXXXXX)	(B=XXXXXX)								
28	1	123907-59540	BOLT, PIPE JOINT M6	5	5	5					
29	1	129508-59550	PIPE ASSY, RETURN	1	1	1					
30	2	123907-59550	GASKET	5	5	5					
31	1	119187-59562	PIPE, FUEL	1	1	1					
32	1	123907-59560	JOINT	1	1	1					
33	1	129574-59990	JOINT, PIPE	1							
33-1	1	129574-59991	JOINT, PIPE	1	1	1					R
		(A=**2006.07)									
34	1	22190-080002	WASHER, SEAL 6	1	1	1					
35	1	22190-120002	WASHER, SEAL 12	2	2	2					
36	1	23000-013000	CLAMP, 13	2	2	2					
37	1	129671-51990	SPACER,CSD CANCEL	1	1	1					

Fig.32. FUEL TANK(OPTIONAL)

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	128990-59700	PIPE ASSY, FUEL	1	1	1			
2	2	128990-59131	PIPE, FUEL	1	1	1			
4	2	138603-59380	CAP NUT	1	1	1			
5	2	23010-014000	CLAMP, 14	2	2	2			
7	1	83213-003012	TANK ASSY, FUEL OIL	1	1	1			
8	2	105430-55041	CAP ASSY	1	1	1			

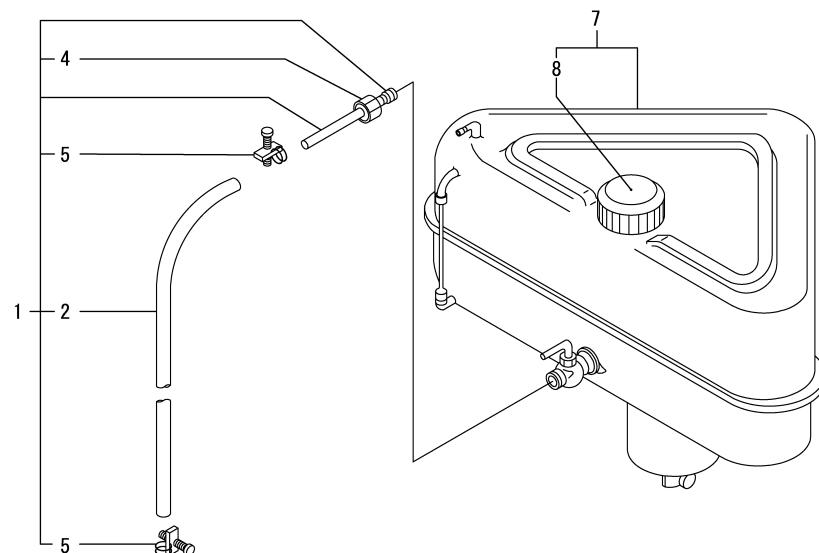
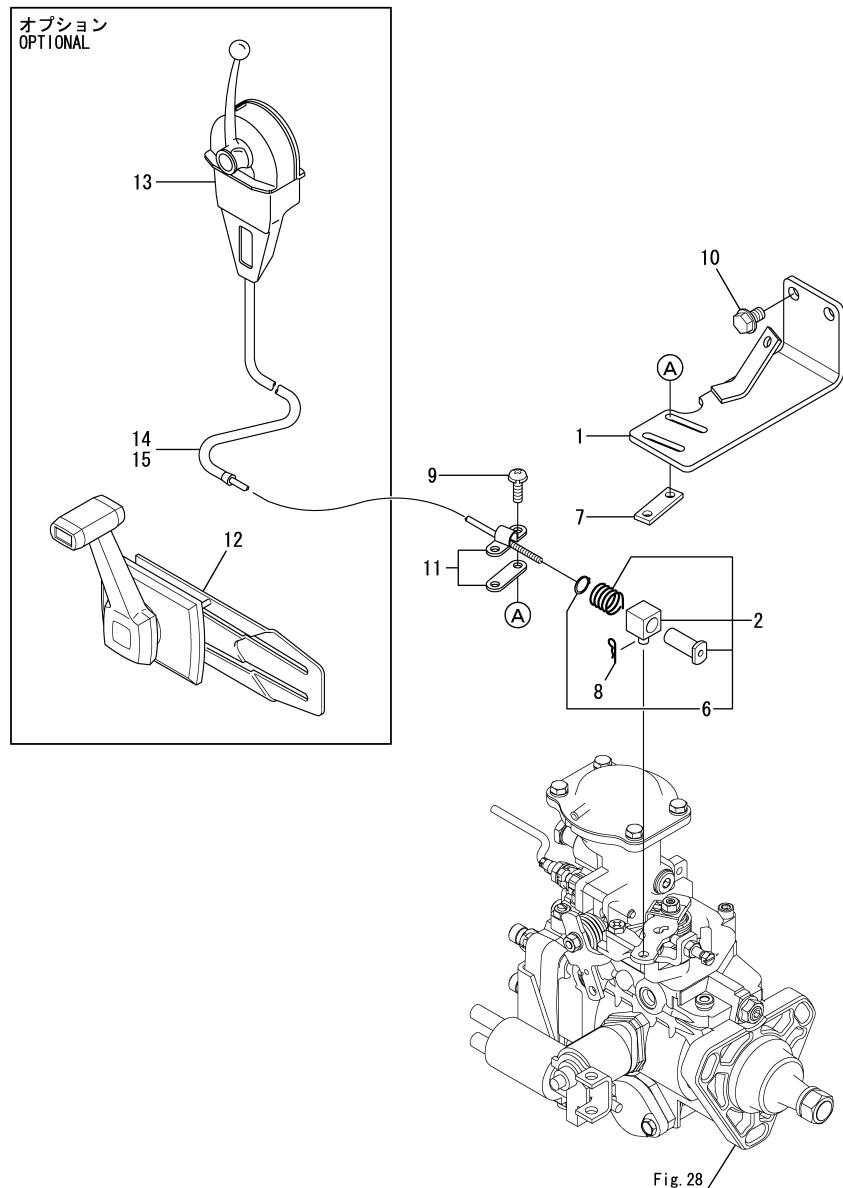


Fig.33. CABLE SUPPORT

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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



No.	Lev.	Parts No.	Description	Q'ty				
				(A)	(B)	(C)	(D)	(E)
1	1	129693-67102	BRACKET	1	1	1		
2	1	105311-67200	RETAINER ASSY	1	1	1		
6	2	22242-000100	RING, 10	1	1	1		
7	1	121574-86320	RETAINER	1	1	1		
8	1	22414-250150	PIN, COTTER 2.5X15	1	1	1		
9	1	26022-050162	SCREW, M5X16	2	2	2		
10	1	26106-080122	BOLT, M8X 12 PLATED	2	2	2		
11	1	41710-000410	CLAMP	1	1	1		
12	1	128170-86501	REMOCON HEAD (MN)	1	1	1		
13	1	41730-000681	MT-3 REMO-CON	1	1	1		
14	1	41710-000380	CABLE L=4000	2	2	2		
15	1	129470-86500	CABLE, L=7000	2	2	2		

Fig.34. CLUTCH

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

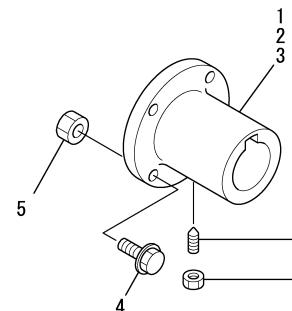
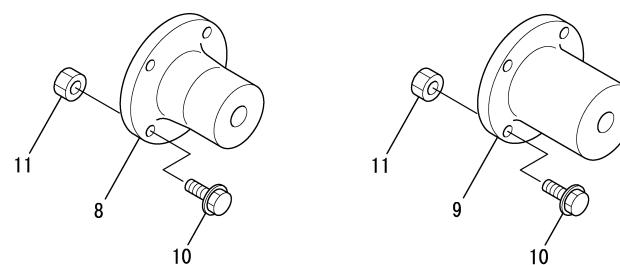
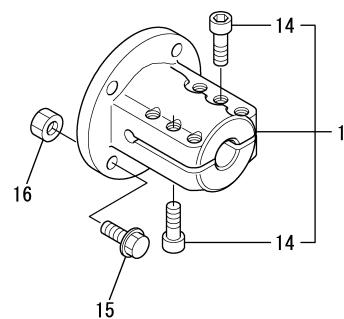
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129672-81000	CLUTCH ASSY, 1.47	1	1	1					
2	1	129672-81010	CLUTCH ASSY, 2.14	1	1	1					
3	1	129672-81020	CLUTCH ASSY, I=2.63	1	1	1					
4	1	129673-81010	CLUTCH ASSY, 2.04	1	1	1					
5	1	129673-81020	CLUTCH ASSY, I=2.45	1	1	1					
6	1	129673-81100	GEAR, ZF25A	1	1	1					
7	1	129673-81110	GEAR, ZF25A	1	1	1					
8	1	129673-81200	GEAR, ZF30M I=2.15	1	1	1					
9	1	129673-81210	GEAR, ZF30M I=2.7	1	1	1					
10	1	26106-100302	BOLT, M10X 30 PLATED	8	8	8					
11	1	26226-100222	STUD, M10X 22	2	2						
11-1	1	26226-100252	STUD, M10X 25	2	2	2					
(A=EXXXXX) (B=EXXXXX)											
12	1	26716-100002	NUT, M10	2	2	2					

Remarks

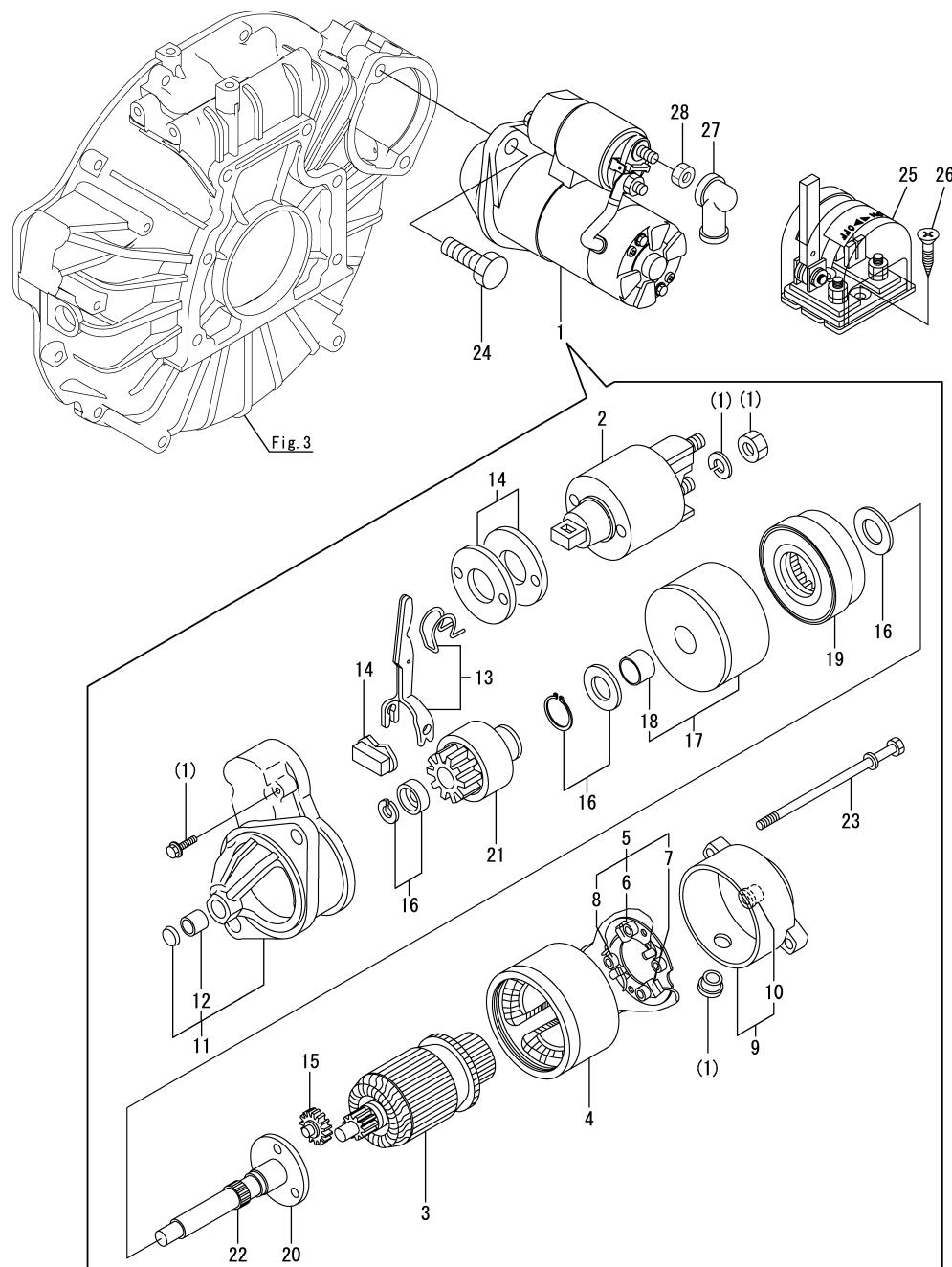
*This figure are not illustrated.

Fig.35. COUPLING(OPTIONAL)

テーパカップリング
TAPER COUPLINGストレートカップリング
STRAIGHT COUPLINGスリットカップリング
SLIT COUPLING(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129473-85900	COUPLING, TAPER 38	1	1				
2	1	129473-85910	COUPLING, TAPER 40	1	1				
3	1	48110-034071	COUPLING, TAPER 34	1	1				
4	1	26106-100322	BOLT, M10X 32 PLATED	4	4				
5	1	26706-100002	NUT, M10	4	4				
6	1	26756-080002	NUT, LOCK M8	1	1				
7	1	48110-032411	SCREW	1	1				
8	1	129470-85900	COUPLING	1	1				
9	1	129673-85100	COUPLING STRAIGHT ZF	1	1				
10	1	26106-100322	BOLT, M10X 32 PLATED	4	4				
11	1	26706-100002	NUT, M10	4	4				
12	1	129470-83750	COUPLING ASSY	1	1				
14	2	26450-120402	BOLT, M12X 40	6	6				
15	1	26106-100322	BOLT, M10X 32 PLATED	4	4				
16	1	26706-100002	NUT, M10	4	4				

Fig.36. STARTING MOTOR



(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

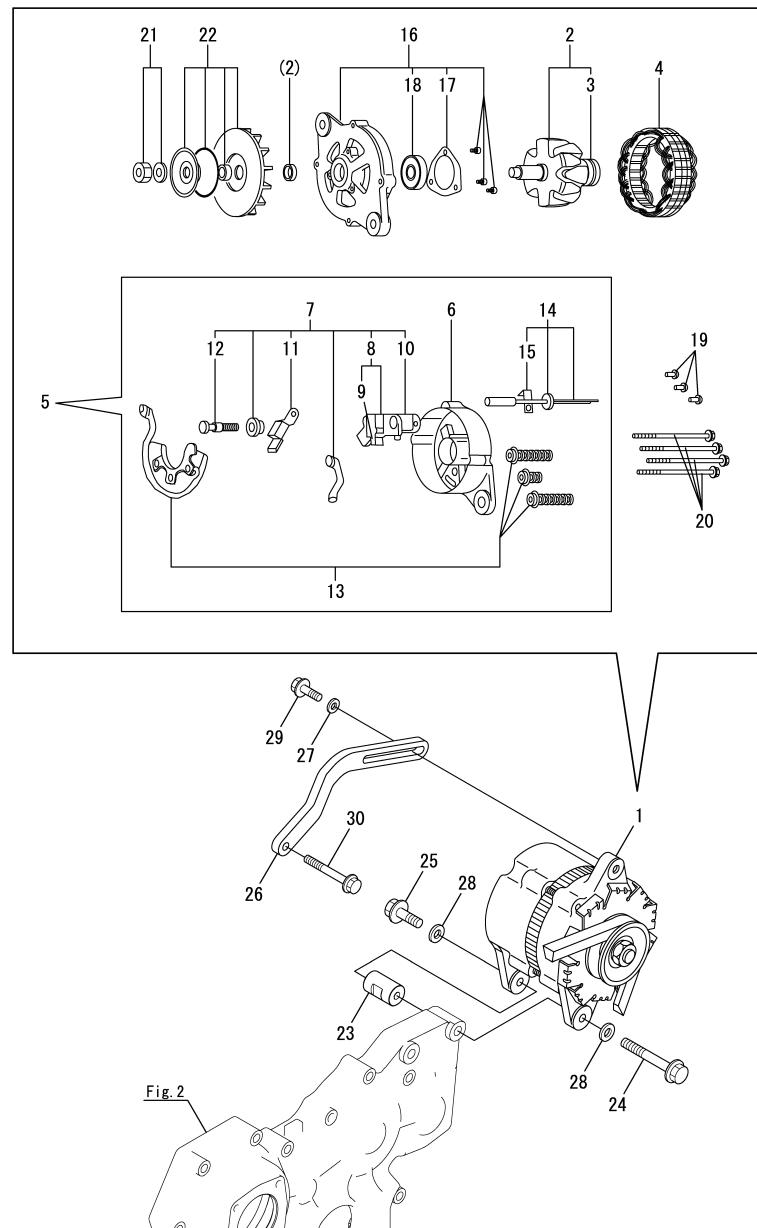
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty				
				(A)	(B)	(C)	(D)	(E)
1	1	129608-77010	STARTER, S114-817A	1	1	1		
2	2	129698-77020	SWITCH ASSY	1	1	1		
3	2	129698-77101	ARMATURE ASSY	1	1	1		
4	2	129608-77110	YOKE ASSY	1	1	1		
5	2	129698-77120	HOLDER ASSY, BRUSH	1	1	1		
6	3	129698-77140	BRUSH SET	1	1	1		
7	3	129698-77130	BRUSH	2	2	2		
8	3	129698-77150	SPRING, BRUSH	4	4	4		
9	2	129698-77161	COVER ASSY	1	1	1		
10	3	129698-77170	BEARING	1	1	1		
11	2	129698-77260	CASE ASSY	1	1	1		
12	3	X2114535200	METAL, STARTER	1	1	1		
13	2	129698-77270	LEVER SET, SHIFT	1	1	1		
14	2	129698-77280	COVER KIT	1	1	1		
15	2	129698-77240	GEAR	3	3	3		
16	2	129698-77250	WASHER SET	1	1	1		
17	2	129698-77180	BRACKET	1	1	1		
18	3	129698-77190	BRACKET	1	1	1		
19	2	129698-77200	GEAR, INTERNAL	1	1	1		
20	2	129698-77210	BRACKET	1	1	1		
21	2	129698-77220	PINION ASSY	1	1	1		
22	2	129698-77230	SHAFT	1	1	1		
23	2	124195-77770	BOLT, THROUGH	2	2	2		
24	1	26116-120302	BOLT, M12X 30 PLATED	2	2	2		
25	1	123310-77640	SWITCH, BATTERY	1	1	1		
26	1	22724-800380	SCREW, 8.0X38	2	2	2		
27	1	124550-77030	COVER, TERMINAL	1	1			
27-1	1	129670-77030	COVER, TERMINAL	1	1	1		R
		(A=EXXXXX)	(B=EXXXXX)					
28	1	26756-080002	NUT, LOCK M8	1	1	1		

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

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Fig.37. GENERATOR(12V-80A)(HITACHI: TO JAN., 2013)



(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	119573-77201 (A=E15602) (B=E24940) (C=E40232)	ALTERNATER(12V-80A)	1	1	1			Z
2	2	XL180G61000	ROTOR ASSY	1	1	1			
3	3	119129-77320	BEARING, BALL	1	1	1			
4	2	XL180120000	STATOR ASSY	1	1	1			
5	2	XL180G63006	COVER ASSY, REAR	1	1	1			
6	3	XL180G13012	COVER, REAR	1	1	1			
7	3	XL180G43150	BRUSH ASSY,REGULATOR	1	1	1			
8	4	XL155G1330	BRUSH ASSY	1	1	1			
9	5	XL225G1325	BRUSH SET	2	2	2			
10	4	124080-77390	REGULATOR ASSY	1	1	1			
11	4	XL225431800	CONDENSER ASSY	1	1	1			
12	4	124080-77520	BOLT M5	2	2	2			
13	3	XL1808320	DIODE ASY	1	1	1			
14	3	119129-77250	WIRE, LEAD	1	1	1			
15	4	119129-77260	CLAMP	1	1	1			
16	2	XL235340110	COVER ASSY, FRONT	1	1	1			
17	3	XL150M14041	RETAINER	1	1	1			
18	3	X6303BM0000	BEARING, BALL	1	1	1			
19	2	119129-77930	SCREW KIT	1	1	1			
20	2	119129-77890	BOLT, THROUGH	4	4	4			
21	2	119129-77900	NUT ASSY, PULLEY	1	1	1			
22	2	XL180G85001	PULLEY ASSY	1	1	1			
23	1	129670-77350	PIECE	1	1	1			
24	1	129695-77370	BOLT, M10X75	1					
24-1	1	129695-77371 (A=2006.04)	BOLT, M10X70	1	1				N
24-2	1	129670-77370 (A=XXXXXX)	BOLT 10X 70 (B=XXXXXX)	1	1	1			R
25	1	129695-77380	BOLT, M10X30	1	1				
25-1	1	129670-77380 (A=XXXXXX)	BOLT 10X 30 (B=XXXXXX)	1	1	1			R
26	1	129670-77430	ADJUSTER	1	1	1			
27	1	22137-080000	WASHER, 8	1	1	1			
28	1	22137-100000	WASHER, 10	2	2	2			
29	1	26106-080252	BOLT, M8X 25 PLATED	1	1	1			
30	1	26106-080652	BOLT, M8X 65 PLATED	1	1	1			

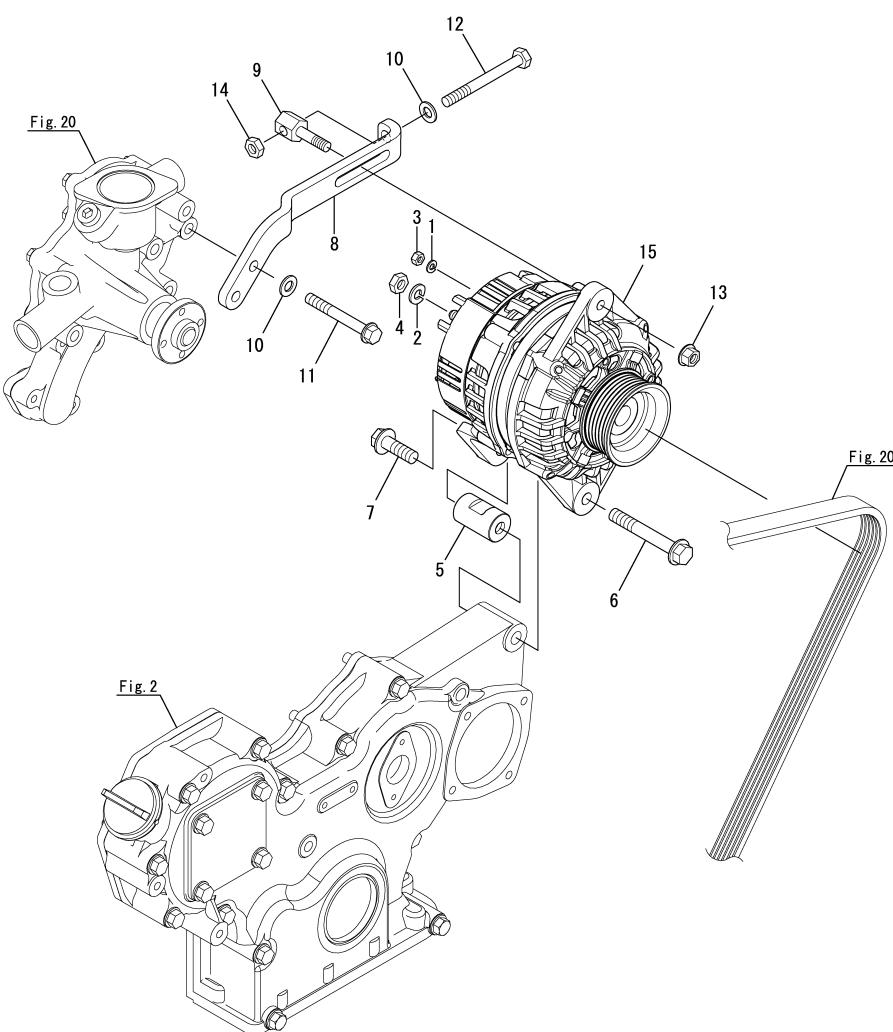
Remarks

*This item is applicable to [(A)=E15601,(B)=E24939,(C)=E40231] or previous machines. Refer to Fig.51.

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

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Fig.53. (37A)GENERATOR(12V-120A)(VALEO: FROM FEB., 2013)



Remarks

*This item is applicable to [(A)=E15602,(B)=E24940,(C)=E40232] or following machines. Refer to Fig.37.

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	(A)	(B)	Q'ty (C)	(D)	(E)	(F)	I	R
1	1	22217-050000	WASHER, SPRING 5			2					
2	1	22217-080000	WASHER, SPRING 8			1					
3	1	26716-050002	NUT, M5			2					
4	1	26756-080002	NUT, LOCK M8			1					
5	1	129670-77350	PIECE			1					
6	1	129670-77370	BOLT 10X 70			1					
7	1	129670-77380	BOLT 10X 30			1					
8	1	129271-77631	ADJUSTER, BELT			1					
9	1	129271-77641	BOLT,ADJUSTER			1					
10	1	22137-080000	WASHER, 8			2					
11	1	26106-080652	BOLT, M8X 65 PLATED			1					
12	1	26116-080804	BOLT, M8X 80 PLATED			1					
13	1	26366-080002	NUT, M8			1					
14	1	26716-080002	NUT, M8			1					
15	1	128990-77250	ALTERNATOR,12V-120A			1					

(A=E15602)

(B=E24940)

(C=E40232)

W

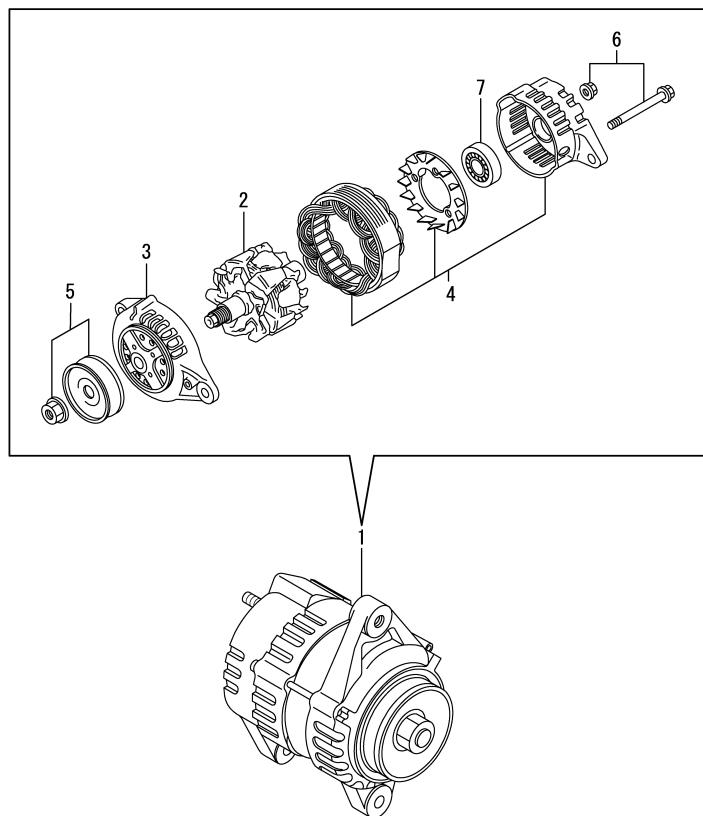
N:Old Yes No New, Q:Old Yes No New, R:Old Yes New, S:Old Yes No New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.38. GENERATOR(12V-60A/OPTIONAL)

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

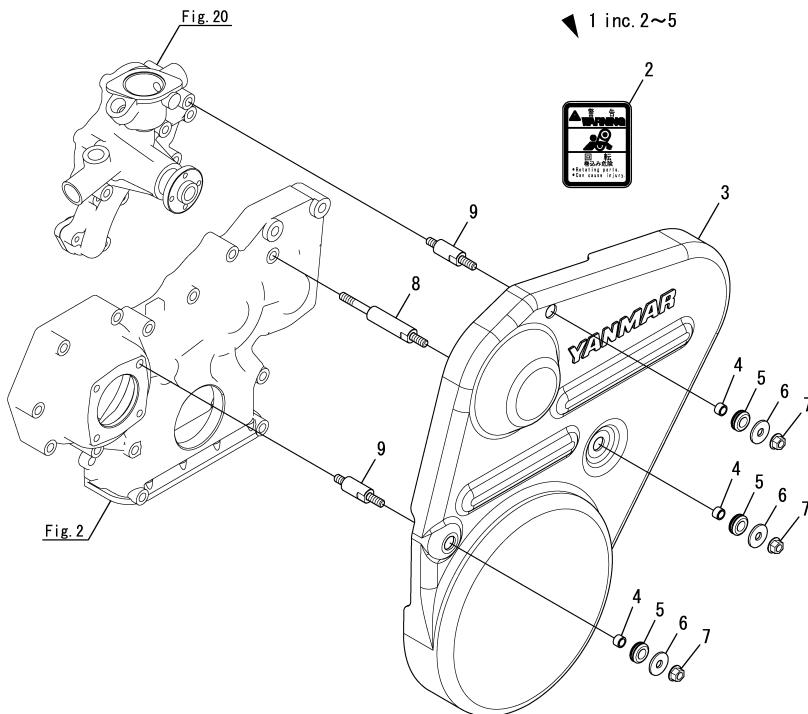


No.	Lev.	Parts No.	Description	Q'ty			I	R
				(A)	(B)	(C)		
1	1	128271-77200	GENERATOR, 12V-60A	1	1			
2	2	123900-77700	ROTOR ASSY	1	1			
3	2	123900-77730	BRACKET ASSY	1	1			
4	2	128271-77730	BRACKET(STATOR+REGUL)	1	1			
5	2	128271-77740	PULLEY	1	1			
6	2	128271-77750	SCREW KIT	1	1			
7	2	129900-77810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

Fig.39. V-BELT COVER

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

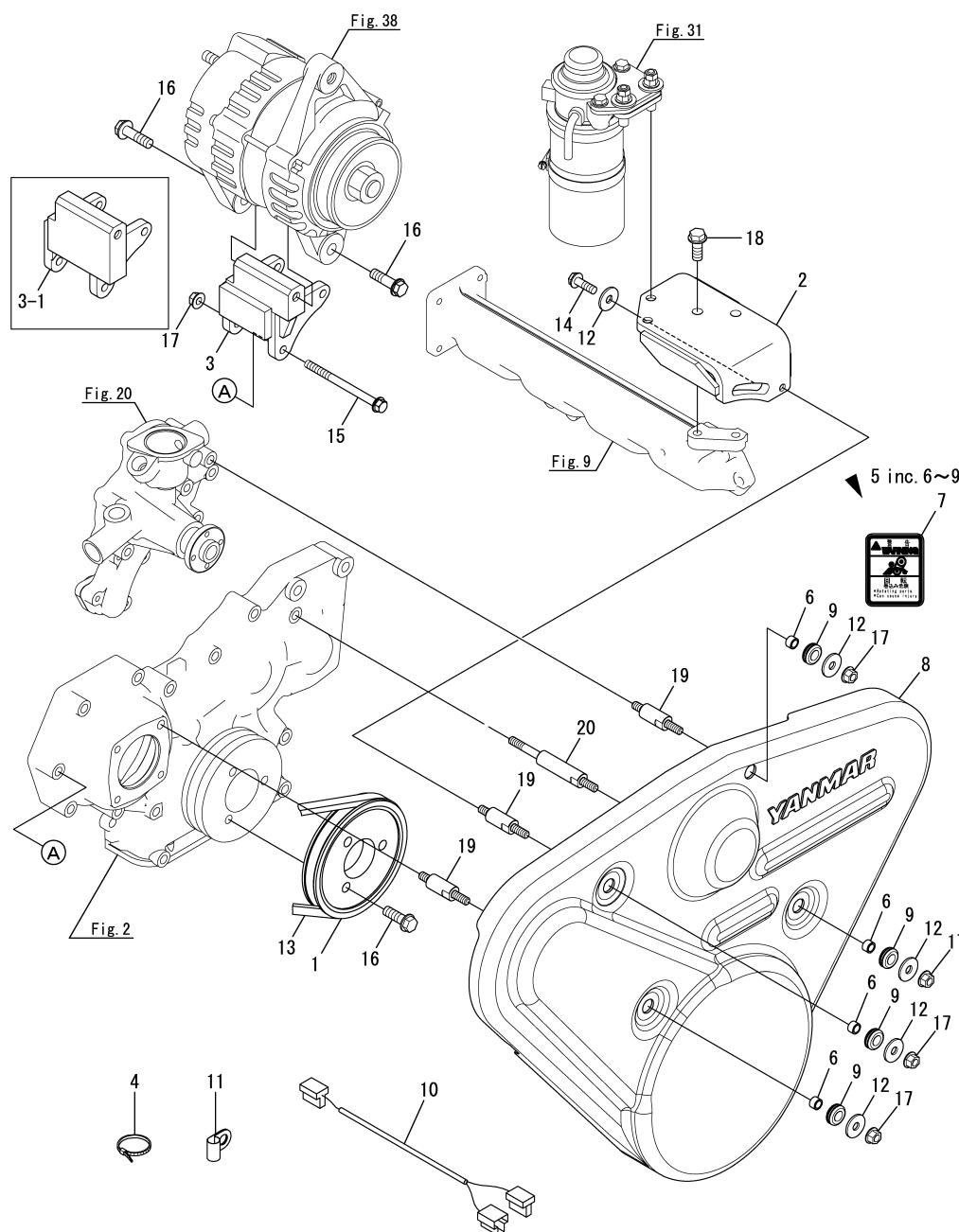


No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129671-77390	COVER,BELT CMP (A=EXXXXX) (B=EXXXXX)	1	1	1			W
2	2	128377-07350	LABEL, CAUTION (A=EXXXXX) (B=EXXXXX)	1	1	1			W
3	2	129671-77400	COVER, BELT	1	1	1			
4	2	128990-77430	COLLAR	3	3	3			
5	2	128990-77610	GROMMET	3	3	3			
6	1	22157-080000	WASHER, 8	3	3	3			
7	1	26306-080002	NUT, M8	3	3	3			
8	1	129671-77410	BOLT	1	1	1			
8-1	1	129671-77411	BOLT,BELT COVER (A=E15602) (B=E24940) (C=E40232)	1	1	1			S 1
9	1	129271-77420	BOLT	2	2	2			
9-1	1	129271-77421	BOLT,BELT COVER (A=E15602) (B=E24940) (C=E40232)	2	2	2			S 1

Remarks

(1)Valeo generator spec.

Fig.40. V-BELT COVER & GENERATOR ATTACHMENT PART(OPTIONAL)



(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

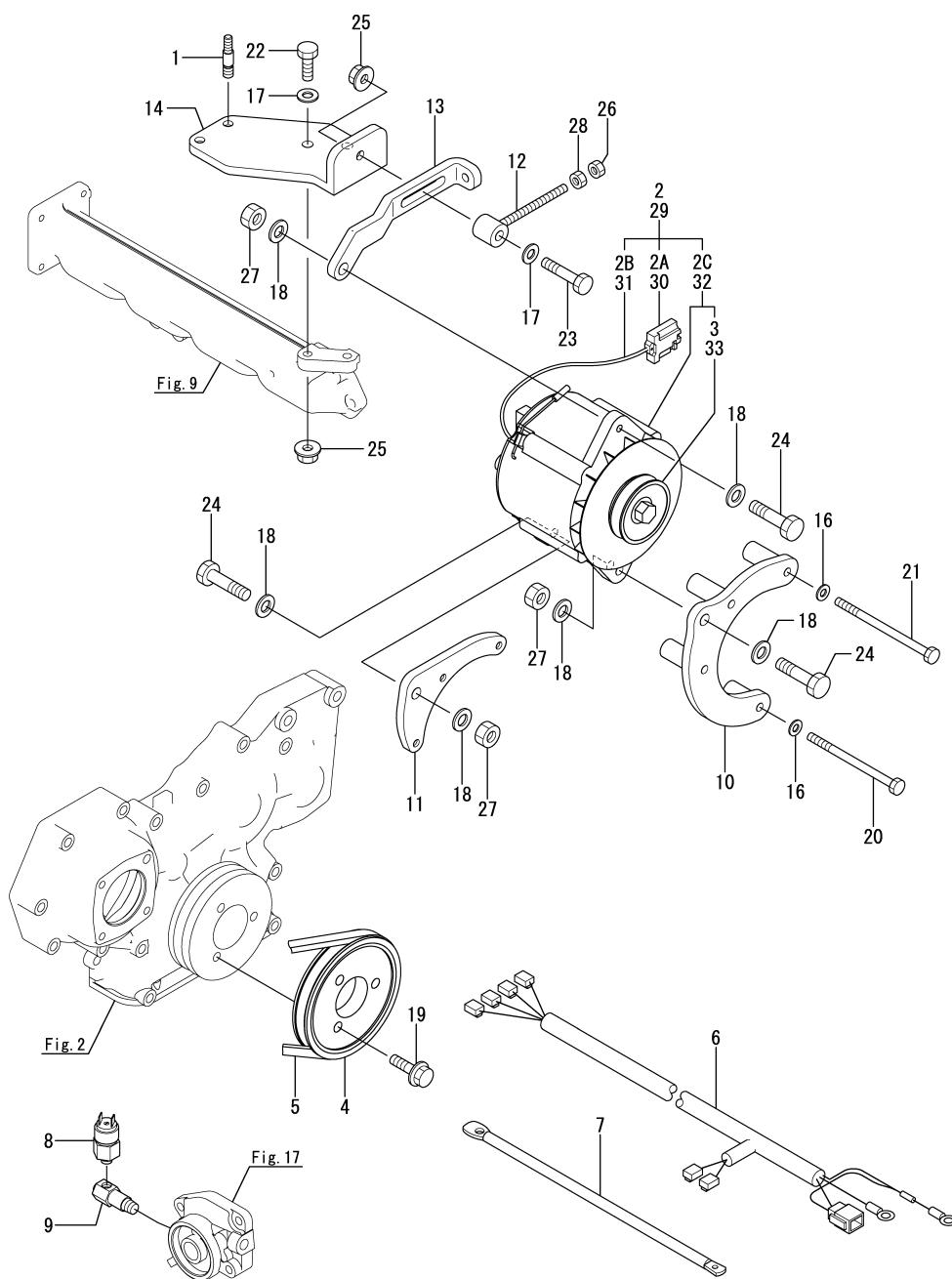
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty	I	R
				(A) (B) (C) (D) (E) (F)		
1	1	129271-21350	V-PULLEY	1 1 1		
2	1	129871-55720	BRACKET, FILTER	1 1 1		
3	1	129671-77320	BRACKET, ALTERNATOR	1 1		
3-1	1	129671-77321	BRACKET, ALTERNATOR (A=EXXXXX) (B=EXXXXX)	1 1 1	N	
4	1	121750-59890	BAND, 140	1 1 1		
5	1	129671-77490	COVER,BELT CMP (A=EXXXXX) (B=EXXXXX)	1 1 1	W	
6	2	128990-77430	COLLAR	4 4 4		
7	2	128377-07350	LABEL, CAUTION (A=EXXXXX) (B=EXXXXX)	1 1 1	W	
8	2	129671-77520	COVER, BELT	1 1 1		
9	2	128990-77610	GROMMET	4 4 4		
10	1	129271-77931	HARNESS,ALTERNATOR	1 1 1		
11	1	23297-270081	CLAMP, A27X12	1 1 1		
12	1	22157-080000	WASHER, 8	5 5 5		
13	1	25132-003800	V-BELT, A38	1 1 1		
14	1	26106-080252	BOLT, M8X 25 PLATED	1 1 1		
15	1	26106-080852	BOLT, M8X 85 PLATED	2 2 2		
16	1	26106-100302	BOLT, M10X 30 PLATED	5 5 5		
17	1	26306-080002	NUT, M8	6 6 6		
18	1	26106-100252	BOLT, M10X 25 PLATED	2 2 2		
19	1	129271-77420	BOLT	3 3 3		
20	1	129271-77430	BOLT	1 1 1		

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

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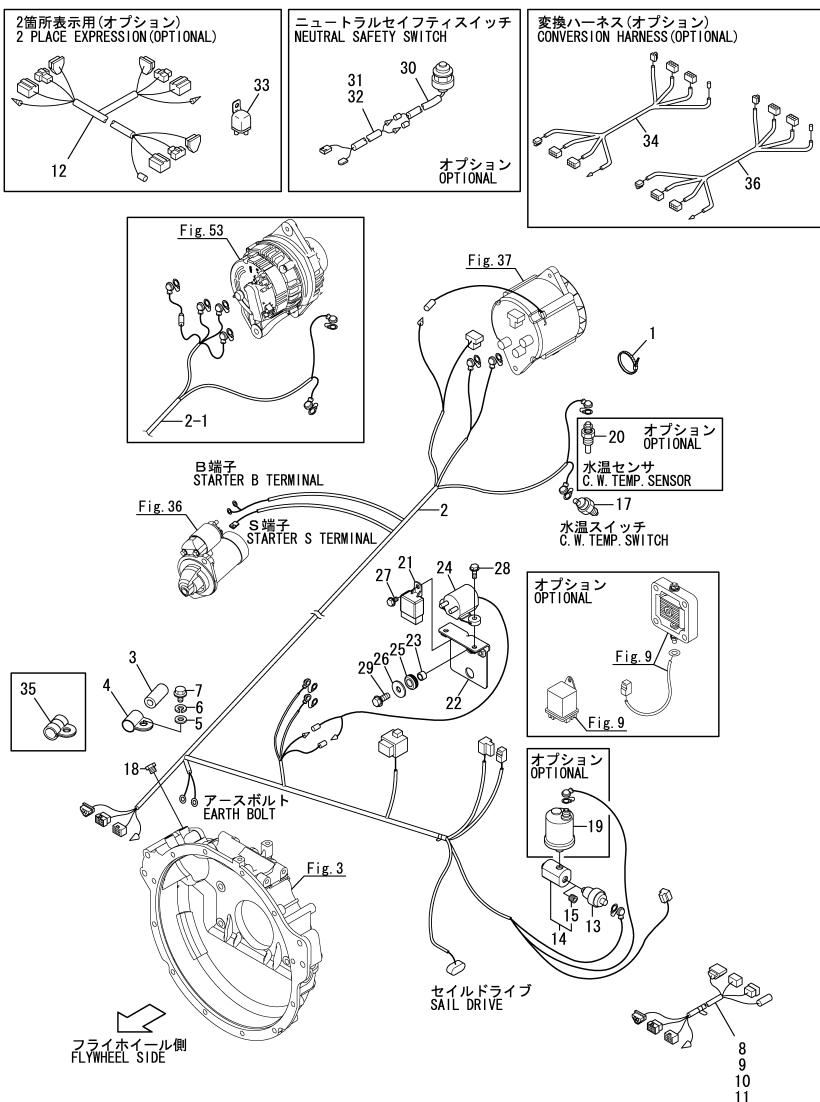
Fig.41. GENERATOR(ADDITION) & GENERATOR ATTACHMENT PART(OPTIONAL)



No.	Lev.	Parts No.	Description	Q'ty					I	R
				(A)	(B)	(C)	(D)	(E)		
1	1	129671-55660	BOLT	2	2	2				
2	1	129271-77220	ALTERNATOR, 12V-130A	1	1	1				
2A	2	129271-77600	REGULATOR ASSY,12V	1	1	1				
		(A=EXXXXX)	(B=EXXXXX)							
2B	2	129271-77620	HARNESS,BATT SENSING	1	1	1				
		(A=EXXXXX)	(B=EXXXXX)							
2C	2	129271-77580	ALTERNATOR,12V-130A	1	1	1				
		(A=EXXXXX)	(B=EXXXXX)							
3	3	129271-77240	PULLEY,ALTERNATOR	1	1	1				
4	1	129271-77250	PULLEY,CRANK	1	1	1				
5	1	129671-77260	BELT,6PK1088	1	1	1				
6	1	129271-77270	WIREHARNESS,ALTERNAT	1	1	1				
7	1	129271-77280	GROUND CABLE	1	1	1				
8	1	129271-77290	SWITCH,OIL PRESSURE	1	1	1				
9	1	129271-77320	DAMPER CMP(R 1/4	1	1	1				
10	1	129671-77340	BRACKET,ALT FRONT	1	1	1				
10-1	1	129671-77341	BRACKET,ALTERNATOR F	1	1	1				S
		(A=E15602)	(B=E24940)							
11	1	129671-77350	BRACKET,ALT REAR	1	1	1				
11-1	1	129671-77351	BRACKET,ALTERNATOR R	1	1	1				S
		(A=E15602)	(B=E24940)							
12	1	129671-77360	ADJUSTER,ALTERNATOR	1	1	1				
13	1	129671-77370	BRACKET,ADJUSTER	1	1	1				
14	1	129671-77380	BRACKET,FO FILTER	1	1	1				
16	1	22137-080000	WASHER, 8	7	7	7				
17	1	22137-100000	WASHER, 10	3	3	3				
18	1	22137-120000	WASHER, 12	6	6	6				
19	1	26106-100352	BOLT, M10X 35 PLATED	3	3	3				
19-1	1	26106-100402	BOLT, M10X 40 PLATED	3	3	3				S
		(A=E15602)	(B=E24940)							
20	1	26116-081202	BOLT, M8X120 PLATED	1	1	1				
21	1	26116-081302	BOLT, M8X130 PLATED	3	3	3				
22	1	26116-100304	BOLT, M10X 30 PLATED	2	2	2				
23	1	26116-100502	BOLT, M10X 50 PLATED	1	1	1				
24	1	26116-120502	BOLT, M12X 50 PLATED	3	3	3				
25	1	26366-100002	NUT, M10	3	3	3				
26	1	26716-080002	NUT, M8	5	5	5				
27	1	26716-120002	NUT, M12	3	3	3				
28	1	26756-080002	NUT, LOCK M8	1	1	1				
29	1	129271-77230	ALTERNATOR, 24V-75A	1	1	1				
30	2	129271-77610	REGULATOR ASSY,24V	1	1	1				
		(A=EXXXXX)	(B=EXXXXX)							
31	2	129271-77620	HARNESS,BATT SENSING	1	1	1				
		(A=EXXXXX)	(B=EXXXXX)							
32	2	129271-77590	ALTERNATOR,24V-75A	1	1	1				
		(A=EXXXXX)	(B=EXXXXX)							
33	3	129271-77240	PULLEY,ALTERNATOR	1	1	1				

N:Old New, Q:Old New, R:Old New, S:Old New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.42. WIRE HARNESS & SENSOR



Remarks

- (1)C-PANEL
- (2)KM4A2
- (3)KMH4A
- (4)YAZAKI.
- (5)DEUTSCH (Valeo generator spec).
- (6)For MEDALLION panel (Conversion from VDO panel).
- (7)For VDO panel (Conversion to the Valeo generator).
- (8)Valeo generator spec.

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

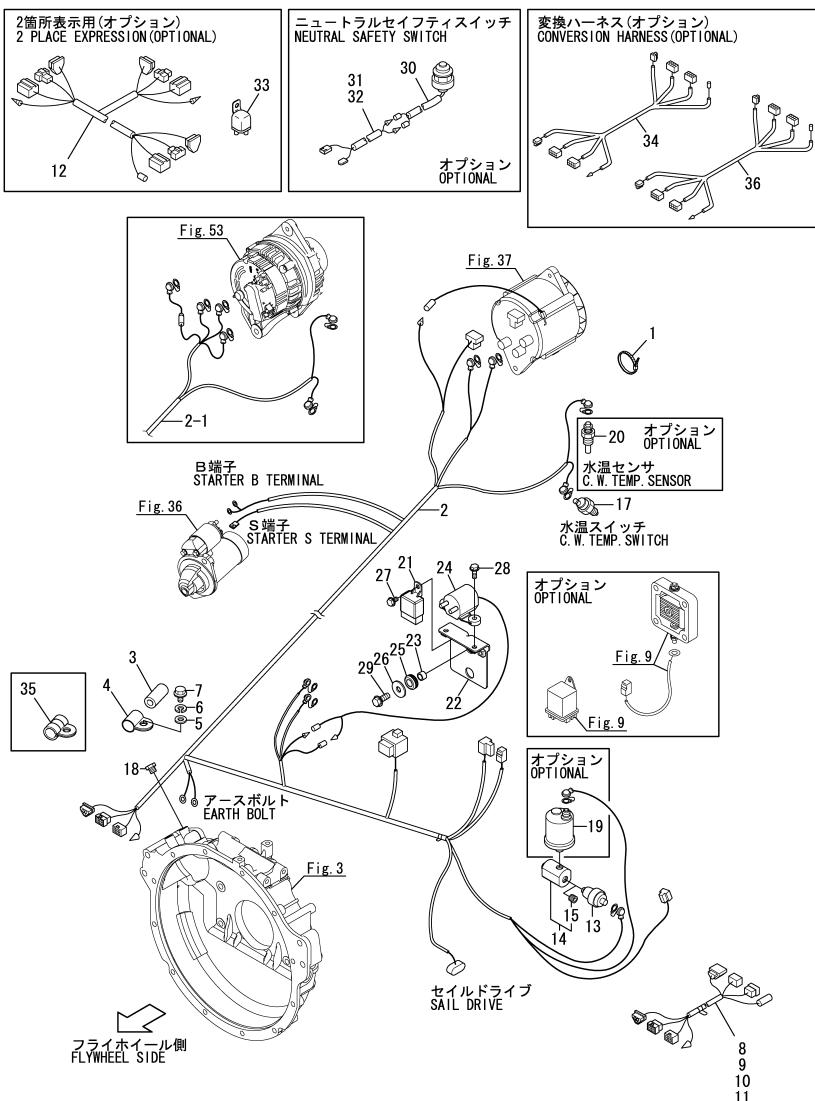
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	194250-51660	BAND, NYLON	1	1				
1-1	1	29622-250001	BAND, RF250	1	1	1			
	(A=EXXXXX)	(B=EXXXXX)							
1-2	1	128990-59890	BAND,200	1	1	1			
	(A=E15602)	(B=E24940)	(C=E40232)						
2	1	129671-77910	HARNESS, WIRE	1	1	1			
2-1	1	129671-77911	HARNESS, WIRE ENGINE	1	1	1			
	(A=E15602)	(B=E24940)	(C=E40232)						
3	1	124770-77940	PROTECTOR	1	1				
	(A=EXXXXX)	(B=EXXXXX)							
4	1	124070-77950	CLAMP	1	1				
	(A=EXXXXX)	(B=EXXXXX)							
5	1	22137-080000	WASHER, 8	1	1	1			
6	1	22217-080000	WASHER, SPRING 8	1	1	1			
7	1	26106-080162	BOLT, M8X 16 PLATED	1	1	1			
8	1	128391-77720	HARNESS, WIRE	1	1	1			
8-1	1	164100-22830	HARNESS,EXT 6M	1	1	1			
	(A=E15602)	(B=E24940)	(C=E40232)						
9	1	129574-77710	HARNESS, WIRE 4M	1	1	1			
9-1	1	164100-22720	HARNESS, WIRE 4M	1	1	1			
	(A=E15602)	(B=E24940)	(C=E40232)						
10	1	129574-77720	HARNESS, WIRE 6M	1	1	1			
10-1	1	164100-22730	HARNESS, WIRE 6M	1	1	1			
	(A=E15602)	(B=E24940)	(C=E40232)						
11	1	129574-77740	HARNESS, WIRE 10M	1	1	1			
11-1	1	164100-22740	HARNESS, WIRE 10M	1	1	1			
	(A=E15602)	(B=E24940)	(C=E40232)						
12	1	129574-77980	HARNESS, WIRE	1	1	1			
13	1	124060-39452	SWITCH, 0.2KG	1	1				
13-1	1	121252-39450	SWITCH, 0.5KG	1	1	1			
	(A=EXXXXX)	(B=EXXXXX)							
14	1	129670-39600	DAMPER ASSY, R1/8	1	1	1			
15	2	23875-010000	PLUG, R01	1	1	1			
17	1	120130-91370	SWITCH, 100	1	1	1			
18	1	23887-180002	PLUG, 18	1	1	1			
19	1	119773-91650	SENSOR	1	1	1			1
20	1	119773-91700	SENDER	1	1	1			1
21	1	119247-77100	RELAY, SAFETY	1	1	1			
22	1	128990-77400	BRACKET, RELAY	1	1	1			
23	1	128990-77430	COLLAR	2	2	2			
24	1	120270-77511	RELAY, MAGNETIC	1	1				
	(A=EXXXXX)	(B=EXXXXX)							
24-1	1	128990-77550	RELAY, MAGNETIC	1	1	1			
	(A=EXXXXX)	(B=EXXXXX)							
25	1	128990-77610	GROMMET	2	2	2			
26	1	22157-080000	WASHER, 8	2	2	2			
27	1	26106-060102	BOLT, M6X 10 PLATED	1	1	1			
28	1	26106-060162	BOLT, M6X 16 PLATED	2	2	2			
29	1	26106-080202	BOLT, M8X 20 PLATED	2	2	2			
30	1	120270-77101	SWITCH, SAFETY	1	1				
30-1	1	120270-77102	SWITCH, SAFETY	1	1	1			

N:Old Yes → New, Q:Old No → New, R:Old Yes → New, S:Old No → New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
++ CONTINUE ++

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Fig.42. WIRE HARNESS & SENSOR



Remarks

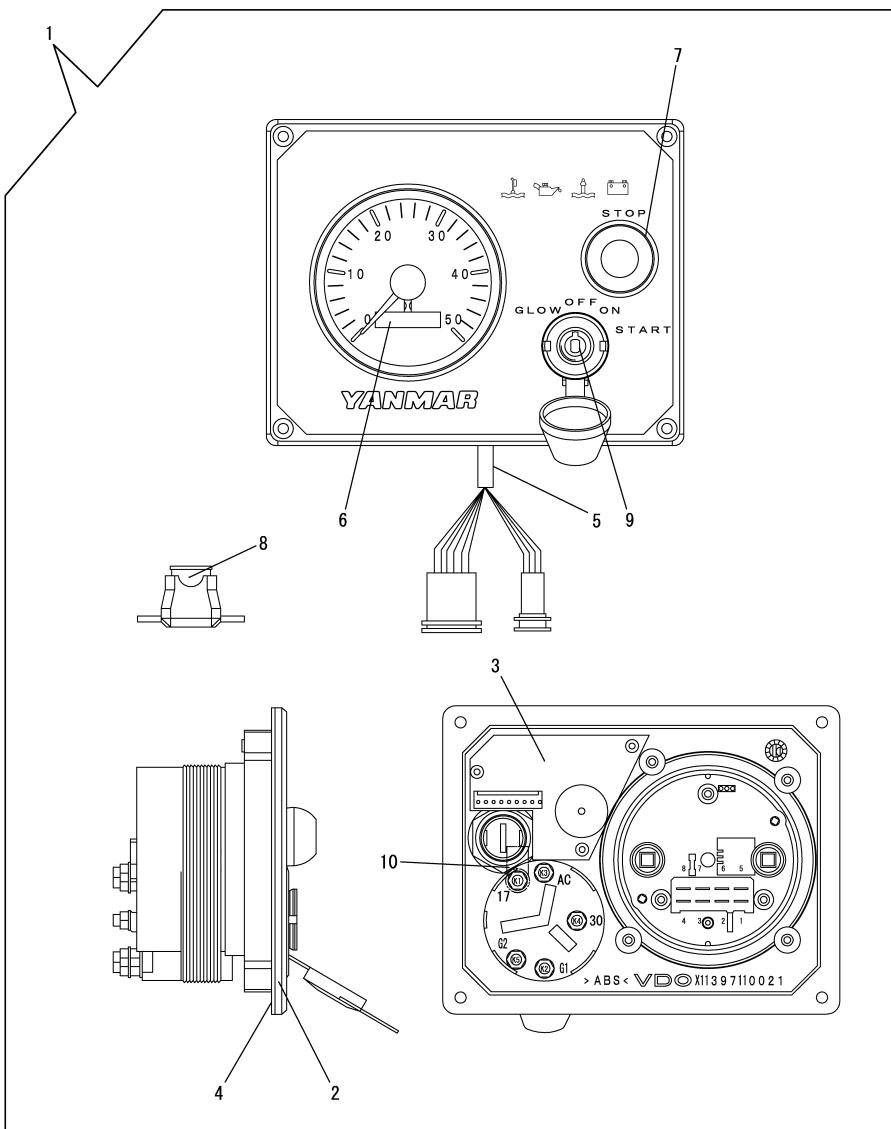
- (1)C-PANEL
- (2)KM4A2
- (3)KMH4A
- (4)YAZAKI.
- (5)DEUTSCH (Valeo generator spec).
- (6)For MEDALLION panel (Conversion from VDO panel).
- (7)For VDO panel (Conversion to the Valeo generator).
- (8)Valeo generator spec.

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	Q'ty	I	R
		(A=EXXXXX)	(B=EXXXXX)	(A) (B) (C) (D) (E) (F)		
31	1	129570-77960	HARNESS, WIRE	1 1 1	2	
32	1	177074-06350	HARNESS, WIRE	1 1 1	3	
33	1	119773-91850	RELAY	1 1 1		
34	1	164100-23900	HARNESS,CONV YD	1 1 1	W 6	
34-1	1	164100-23900	HARNESS,CONV YD	1 1 1	Z 6	
35	1	129672-77950	RETAINER	1 1 1	W	
36	1	164100-23910	HARNESS,CONV	1 1 1	W 7	
		(A=E15602)	(B=E24940)	(C=E40232)		
		(A=E15602)	(B=E24940)	(C=E40232)		

Fig.43. INSTRUMENT PANEL(B-TYPE/OPTIONAL)



Remarks

*This item is applicable to [(A)=Dec., 2011] or previous machines.
Refer to Fig.51.

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

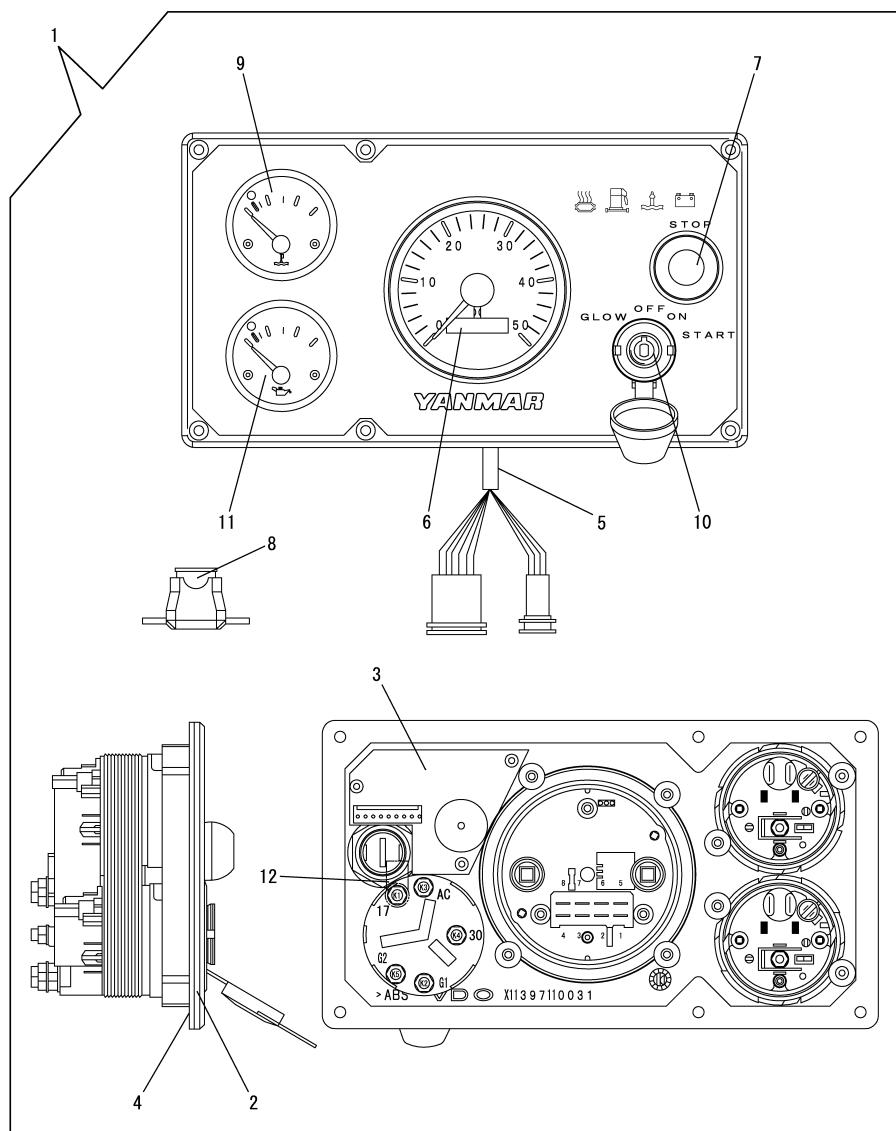
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty	I	R
				(A) (B) (C) (D) (E) (F)		
1	1	129271-91110	PANEL, INSTRUMENT B	1		
1-1	1	129271-91111	PANEL, INSTRUMENT B (A=2006.02)	1	1	N
1-2	1	129271-91112	PANEL (A=EZZZZZ) (B=EZZZZZ)	1	1	N
1-3	1	129271-91113	PANEL, INSTRUMENT B (A=EZZZZZ) (B=EZZZZZ)	1	1	N
2	2	129271-91120	PANEL, INSTRUMENT B	1	1	1
3	2	129271-91130	CIRCUIT	1	1	
3-1	2	129271-91131	CIRCUIT WITH LED&BZR (A=EZZZZZ) (B=EZZZZZ)	1	1	N
3-2	2	129271-91132	CIRCUIT WITH LED&BZR (A=EZZZZZ) (B=EZZZZZ)	1	1	N
4	2	129271-91140	SEAL	1	1	1
5	2	129271-91150	HARNESS, WIRE	1	1	1
6	2	129271-91210	TACHOMETER	1	1	
6-1	2	129271-91211	TACHOMETER (AN)10.29 (A=EZZZZZ) (B=EZZZZZ)	1	1	1
7	2	129271-91220	SWITCH, STOP	1	1	1
8	2	129271-91230	FUSE	1	1	1
9	2	127412-91250	SWITCH, KEY	1	1	1
10	2	129271-91260	CAP, RUBBER M5 (A=2006.02)	1	1	1
						W

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

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Fig.44. INSTRUMENT PANEL(C-TYPE/OPTIONAL)



Remarks

*This item is applicable to [(A)=Dec., 2011] or previous machines.
Refer to Fig.52.

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	Q'ty	I	R
				(A) (B) (C) (D) (E) (F)		
1	1	129271-91160	PANEL, INSTRUMENT C	1		
1-1	1	129271-91161	PANEL, INSTRUMENT C (A=2006.02)	1	1	N
1-2	1	129271-91162	PANEL (A=EZZZZZ) (B=EZZZZZ)	1	1	N
1-3	1	129271-91163	PANEL, INSTRUMENT C (A=EZZZZZ) (B=EZZZZZ)	1	1	N
2	2	129271-91170	PANEL	1	1	1
3	2	129271-91180	CIRCUIT	1	1	
3-1	2	129271-91181	CIRCUIT (A=EZZZZZ) (B=EZZZZZ)	1	1	N
3-2	2	129271-91182	CIRCUIT WITH LED&BZR (A=EZZZZZ) (B=EZZZZZ)	1	1	N
4	2	129271-91190	RUBBER, SEAL	1	1	1
5	2	129271-91200	HARNESS, WIRE	1	1	1
6	2	129271-91210	TACHOMETER	1	1	
6-1	2	129271-91211	TACHOMETER (AN)10.29 (A=EZZZZZ) (B=EZZZZZ)	1	1	1
7	2	129271-91220	SWITCH, STOP	1	1	1
8	2	129271-91230	FUSE	1	1	1
9	2	129271-91240	THERMOMETER, WATER	1	1	1
10	2	127412-91250	SWITCH, KEY	1	1	1
11	2	129271-91250	GAUGE	1	1	1
12	2	129271-91260	CAP, RUBBER M5	1	1	1
						W
			(A=2006.02)			

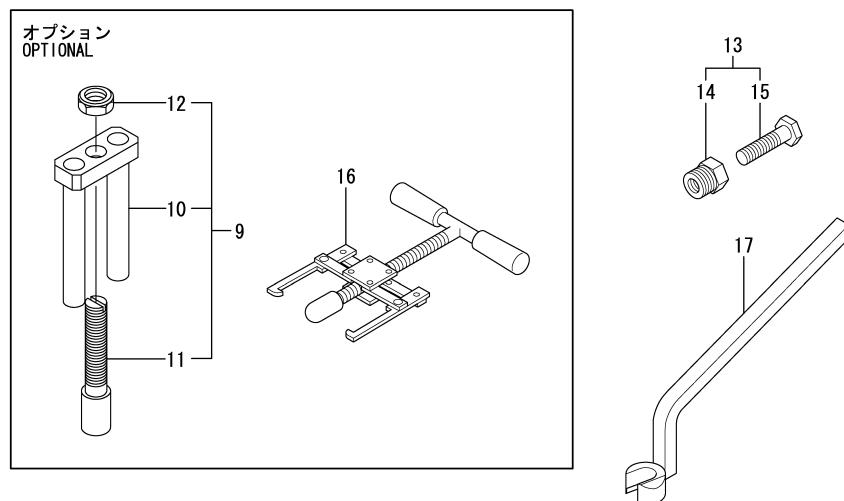
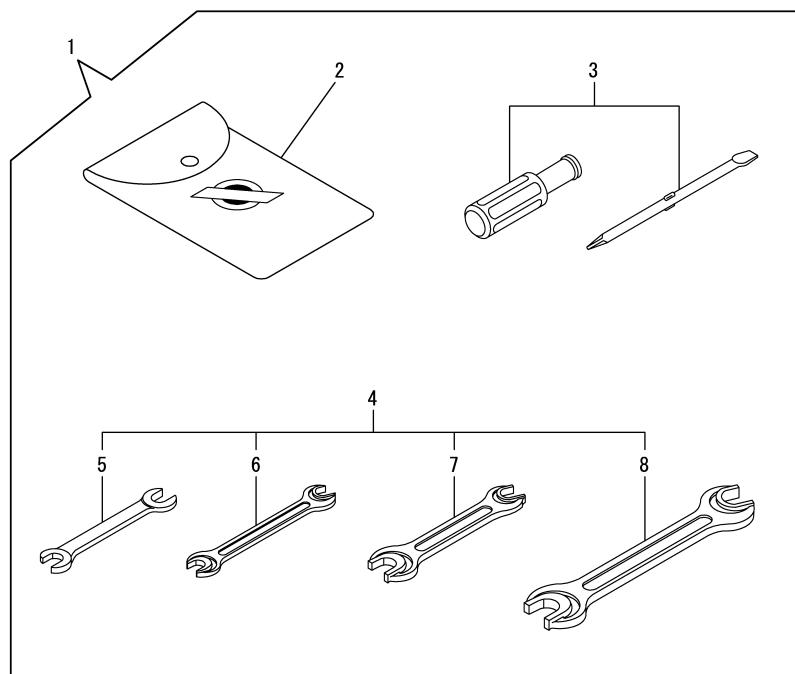
N:Old Yes No New, Q:Old Yes No New, R:Old Yes Yes New, S:Old Yes No New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.45. TOOL

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

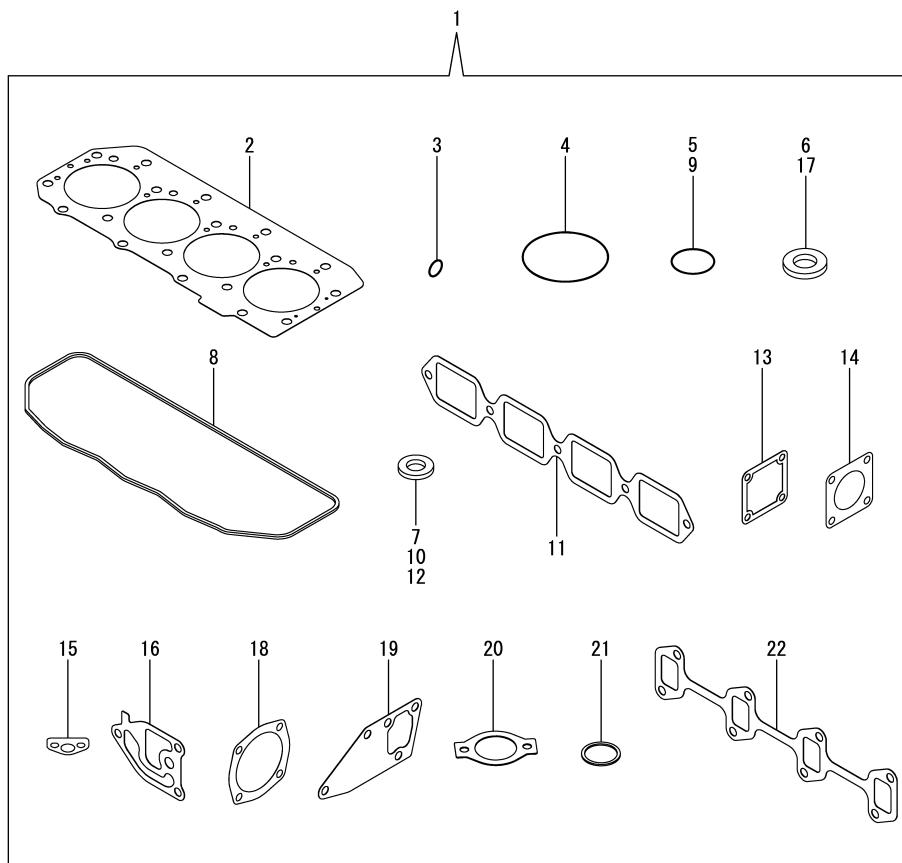


No.	Lev.	Parts No.	Description	Q'ty				
				(A)	(B)	(C)	(D)	(E)
1	1	129270-92100	BOX, TOOL	1	1			
2	2	129270-92600	BAG, TOOL	1	1			
3	2	129270-92650	DRIVER	1	1			
4	2	129270-92690	WRENCH ASSY	1	1			
5	3	129270-92610	WRENCH, 10X13	1	1			
6	3	129270-92620	WRENCH, 12X14	1	1			
7	3	129270-92630	WRENCH, 17X19	1	1			
8	3	129270-92640	WRENCH, 22X24	1	1			
9	1	129470-92300	TOOL ASSY, NOZZLE	1	1	1		
10	2	129470-92310	TOOL,NOZZLE REMOVE A	1	1	1		
11	2	129470-92320	TOOL,NOZZLE REMOVE B	1	1	1		
12	2	26716-120002	NUT, M12	1	1	1		
13	1	129671-92110	PULLER ASSY	1	1	1		
14	2	129671-92120	PULLER	1	1	1		
15	2	129671-92130	BOLT, M10X40	1	1	1		
16	1	129671-92100	TOOL, IMPELLER PULL	1	1	1		
17	1	129671-92160	TOOL,ADJUSTMENT VALV	1	1	1		

(A=EXXXXX) (B=EXXXXX)

W

Fig.46. GASKET SET(OPTIONAL)

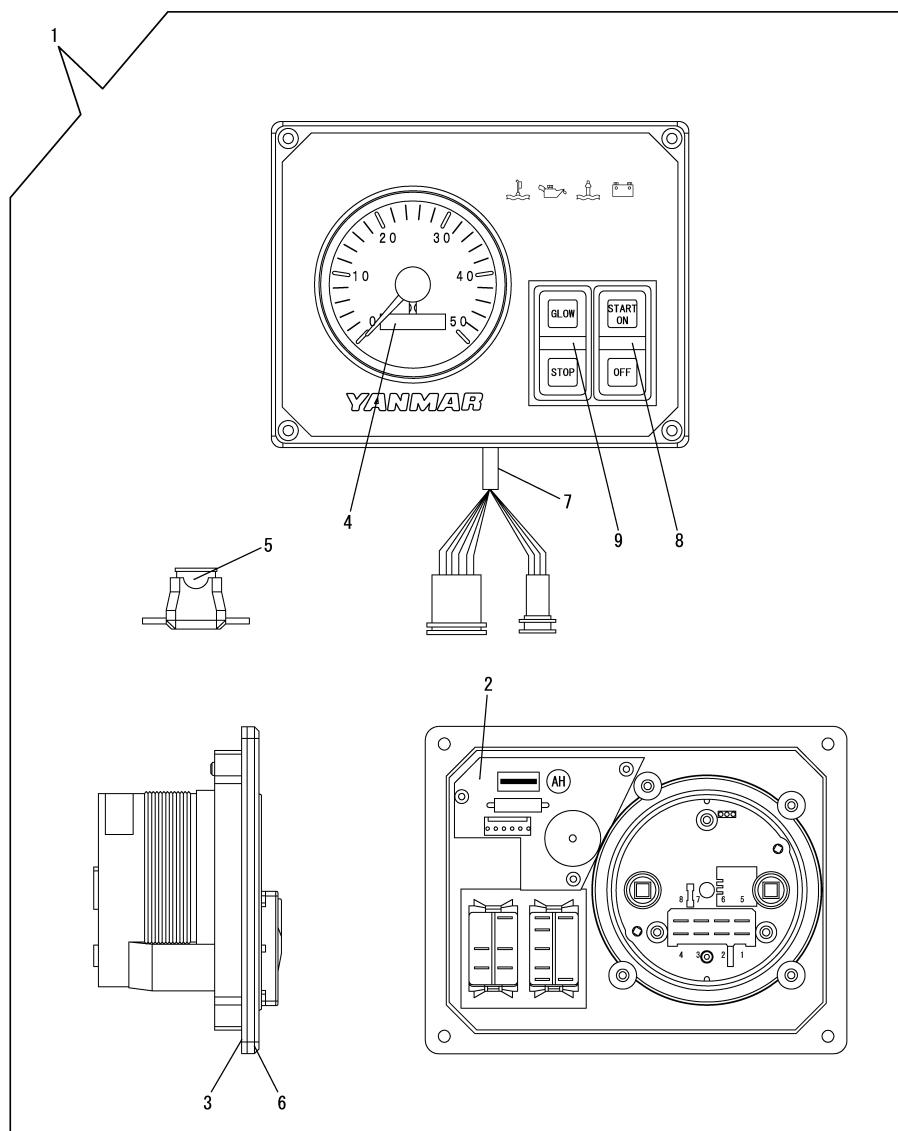


(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	Q'ty	I	R
				(A) (B) (C) (D) (E) (F)		
1	1	729671-92600	GASKET SET	1 1 1		
2	2	129693-01341	GASKET, HEAD	1 1 1		
3	2	24311-000160	O-RING, 1AP16.0	2 2 2		
4	2	121850-51960	O-RING	1 1 1		
5	2	24311-000320	O-RING, 1AP32.0	1 1 1		
6	2	22190-120002	WASHER, SEAL 12	3 3 3		
7	2	23414-160000	GASKET, 16X1.0	2 2 2		
8	2	129508-11310	GASKET, BONNET	1 1 1		
9	2	24311-000120	O-RING, 1AP12.0	3 3 3		
10	2	23414-100000	GASKET, 10X1.0	3 3 3		
11	2	129671-12130	GASKET, MANIFOLD	1 1 1		
12	2	23414-080000	GASKET, 8X1.0	2 2 2		
13	2	129150-77511	GASKET	1 1 1		
14	2	129472-18090	GASKET	1 1 1		
15	2	129150-35042	GASKET	1 1 1		
16	2	129103-35122	GASKET	1 1 1		
17	2	22190-100002	WASHER, SEAL 10	2 2 2		
18	2	129150-01881	GASKET	2 2 2		
18-1	2	129C26-01890	GASKET, HO-P (A=EXXXXX) (B=EXXXXX) (C=EXXXXX)	2 2 2		R
19	2	129486-42050	GASKET, WATER PUMP	1 1 1		
20	2	129795-49551	GASKET	1 1 1		
21	2	129470-49810	GASKET, THERMOSTAT	1 1		
21-1	2	129150-49811	GASKET, THERMOSTAT (A=EXXXXX) (B=EXXXXX)	1 1 1		R
22	2	129550-13110	GASKET	1 1 1		

Fig.47. INSTRUMENT PANEL(B-TYPE/KEYLESS/OPTIONAL)



Remarks

*This item is applicable to [(A)=Dec., 2011] or previous machines.
Refer to Fig.51.

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

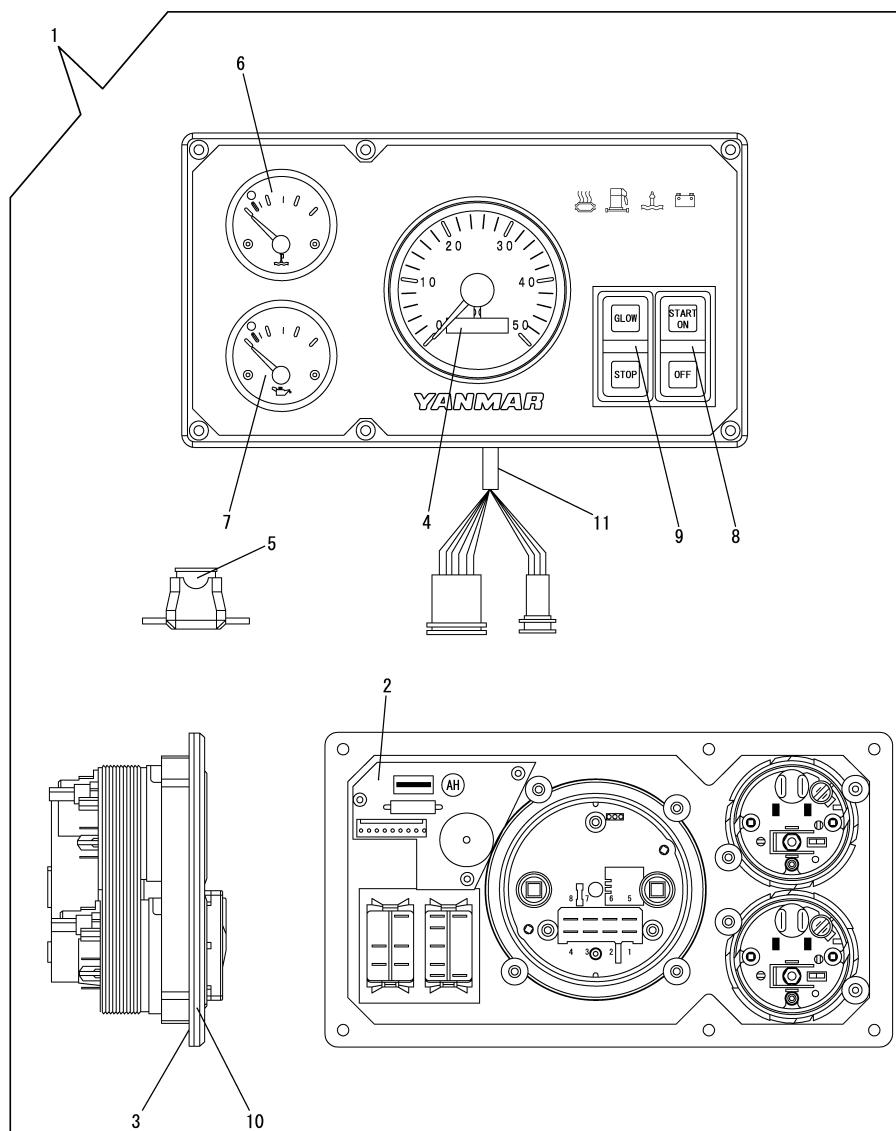
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129271-91300	PANEL (A=EZZZZZ) (B=EZZZZZ)	1	1					W	
1-1	1	129271-91301	PANEL (A=EZZZZZ) (B=EZZZZZ)	1	1					N	
1-2	1	129271-91302	PANEL,B KEYLESS (A=EZZZZZ) (B=EZZZZZ)	1	1	1				N	
2	2	129271-91130	CIRCUIT (A=EZZZZZ) (B=EZZZZZ)	1	1					N	
2-1	2	129271-91131	CIRCUIT WITH LED&BZR (A=EZZZZZ) (B=EZZZZZ)	1	1					N	
2-2	2	129271-91132	CIRCUIT WITH LED&BZR (A=EZZZZZ) (B=EZZZZZ)	1	1	1				N	
3	2	129271-91140	SEAL	1	1	1					
4	2	129271-91210	TACHOMETER	1	1						
4-1	2	129271-91211	TACHOMETER (AN)10.29 (A=EZZZZZ) (B=EZZZZZ)	1	1	1				N	
5	2	129271-91230	FUSE	1	1	1					
6	2	129271-91310	PANEL WITH COVERFOIL	1	1	1					
7	2	129271-91320	HARNESS,B KEYLESS	1	1	1					
8	2	129271-91330	SWITCH,OFF/START	1	1	1					
9	2	129271-91340	SWITCH,GLOW/STOP	1	1	1					

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

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Fig.48. INSTRUMENT PANEL(C-TYPE/KEYLESS/OPTIONAL)



Remarks

*This item is applicable to [(A)=Dec., 2011] or previous machines.
Refer to Fig.52.

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

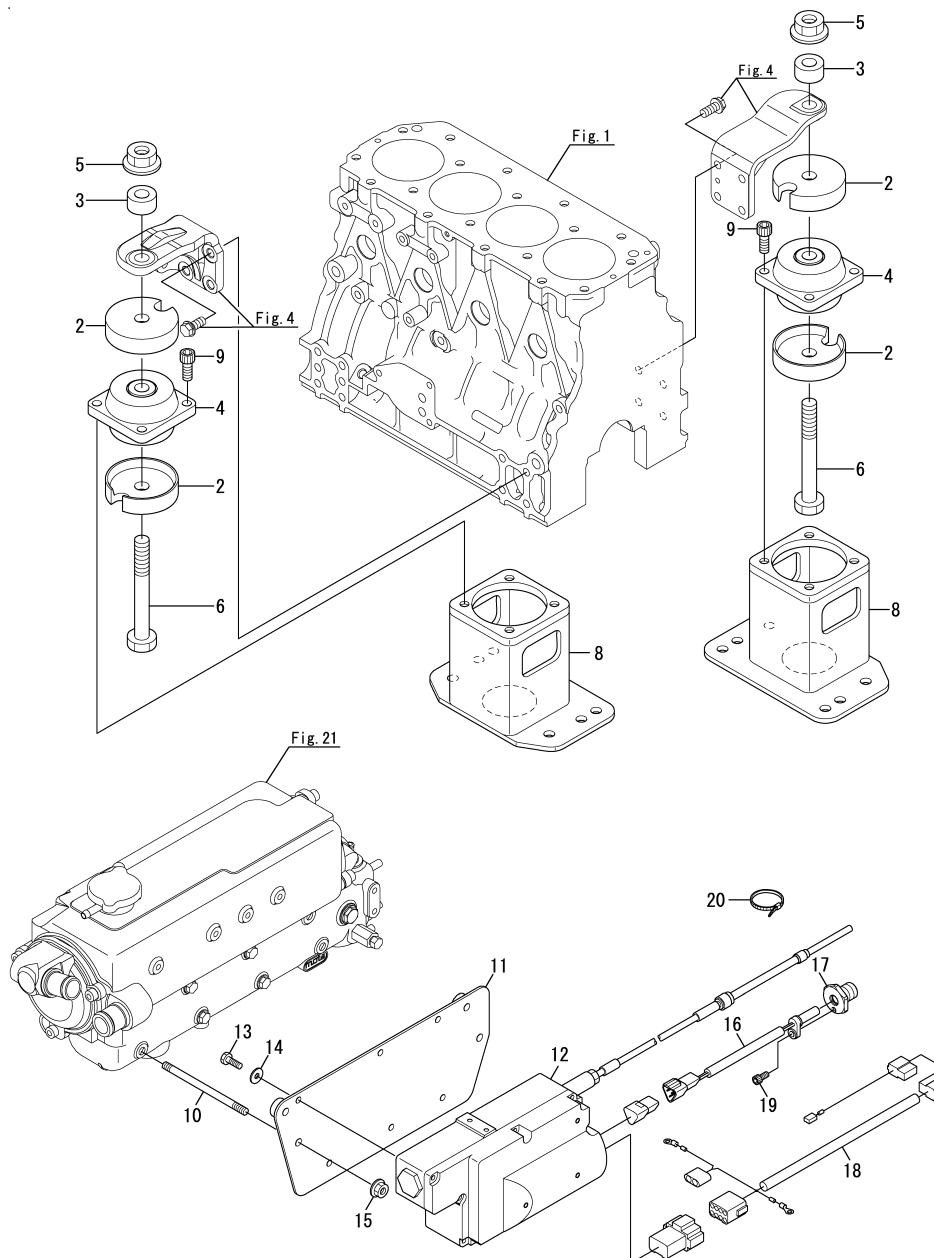
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129271-91350	PANEL (A=EZZZZZ) (B=EZZZZZ)	1	1				W
1-1	1	129271-91351	PANEL (A=EZZZZZ) (B=EZZZZZ)	1	1				N
1-2	1	129271-91352	PANEL,C KEYLESS (A=EZZZZZ) (B=EZZZZZ)	1	1	1			N
2	2	129271-91180	CIRCUIT (A=EZZZZZ) (B=EZZZZZ)	1	1				N
2-1	2	129271-91181	CIRCUIT (A=EZZZZZ) (B=EZZZZZ)	1	1				N
2-2	2	129271-91182	CIRCUIT WITH LED&BZR (A=EZZZZZ) (B=EZZZZZ)	1	1	1			N
3	2	129271-91190	RUBBER, SEAL	1	1	1			
4	2	129271-91210	TACHOMETER	1	1				
4-1	2	129271-91211	TACHOMETER (AN)10.29 (A=EZZZZZ) (B=EZZZZZ)	1	1	1			N
5	2	129271-91230	FUSE	1	1	1			
6	2	129271-91240	THERMOMETER, WATER	1	1	1			
7	2	129271-91250	GAUGE	1	1	1			
8	2	129271-91330	SWITCH,OFF/START	1	1	1			
9	2	129271-91340	SWITCH,GLOW/STOP	1	1	1			
10	2	129271-91360	PANEL	1	1	1			
11	2	129271-91370	HARNESS, WIRE	1	1	1			

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

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Fig.49. S2 DRIVE(OPTIONAL)



Remarks

(1) Valeo generator specification.

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

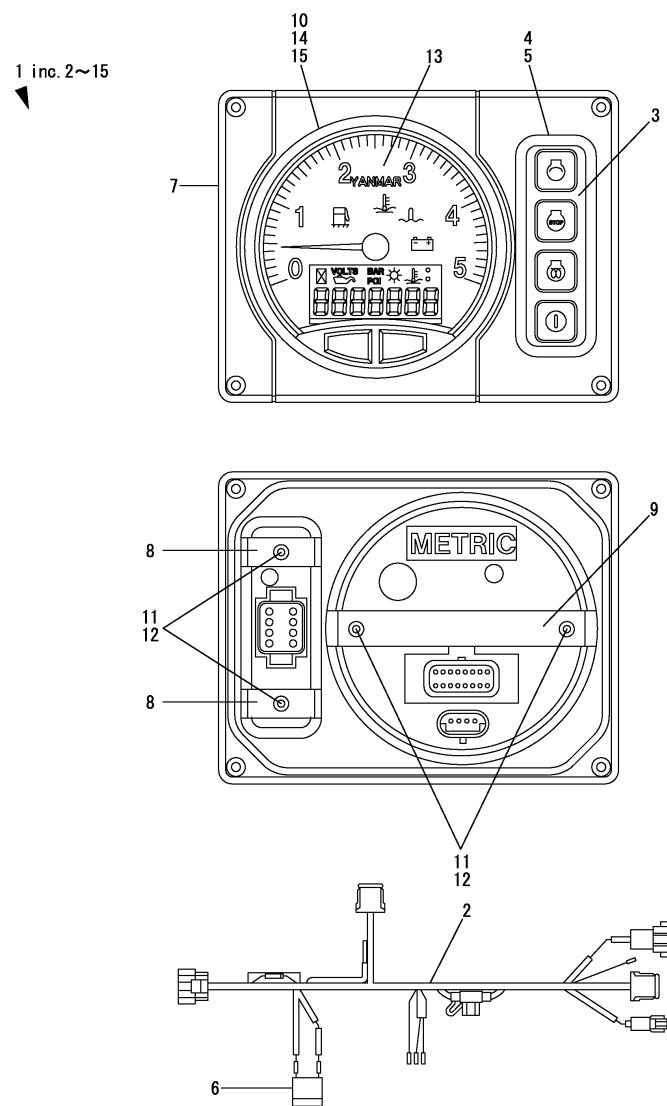
No.	Lev.	Parts No.	Description	Q'ty	I	R
				(A) (B) (C) (D) (E) (F)		
2	2	129671-08240	PLATE, ABSORBER	4		
3	2	129671-08250	SPACER, ABSORBER	2		
4	2	129671-08260	RUBBER, MOUNT	2		
5	2	129671-08270	NUT, M16	2		
6	2	129671-08280	BOLT, M16	2		
8	2	129671-08230	SUPPORT,MOUNT	2		
9	2	129671-08290	BOLT,10X25	8		
10	1	129671-44300	BOLT, STUD	4		
11	1	129671-67000	BRACKET, ACTUATOR	1		
12	1	129671-77000	ACTUATOR	1		
13	1	129671-77030	BOLT,ACTUATOR	6		
14	1	128990-77510	WASHER	6		
15	1	26366-080002	NUT	4		
16	1	129671-77010	SENSOR, ROTATION	1		
17	1	129671-77020	SLEEVE, SPEED SENSOR	1		
18	1	129671-77930	HARNESS, WIRE	1		
18-1	1	129671-77931	HARNESS, WIRE	1		
(A=E15602)						S 1
19	1	26450-060122	BOLT	1		
20	1	121750-59890	BAND	2		
20-1	1	128990-59890	BAND,200	2		

(A=2013.07)

Fig.51. INSTRUMENT PANEL(B20)(MEDALLION: FROM JAN., 2012)

(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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



Remarks

*This item is applicable to [(A)=Jan., 2012] or following machines.

Refer to Fig.43, 47.

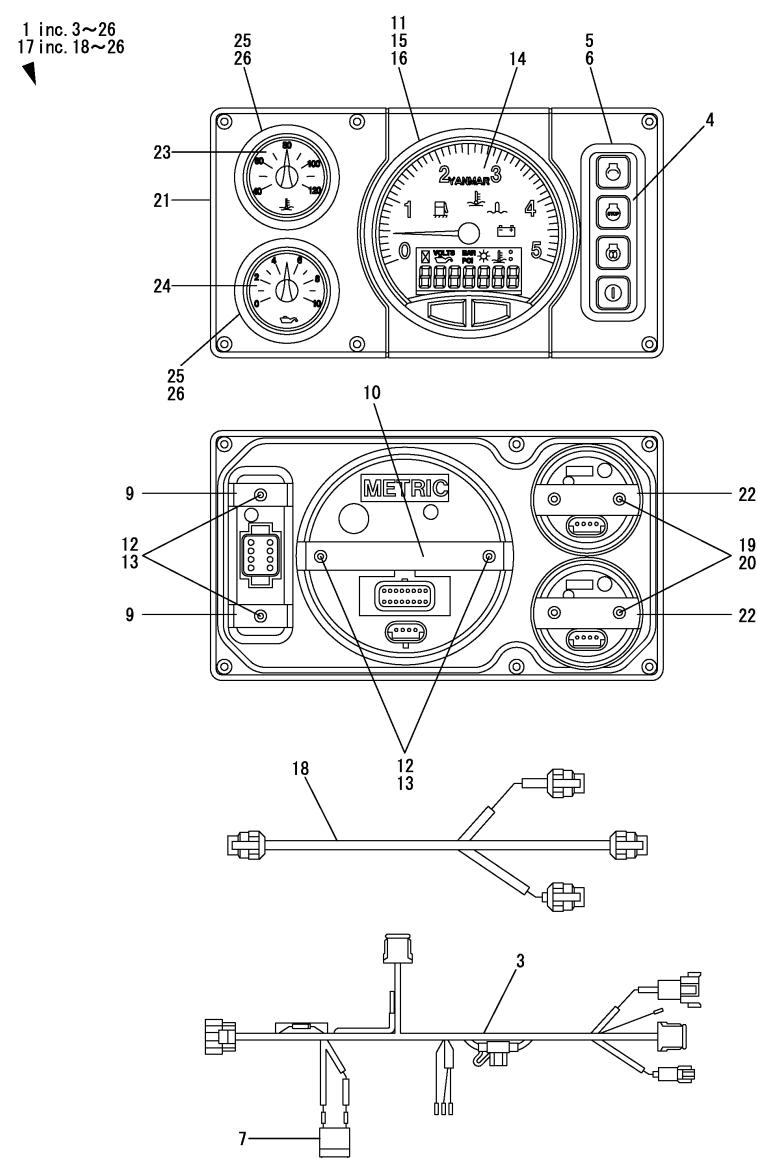
(1)Valeo generator spec.

No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	164100-30100	PANEL ASSY, B20 (A=EXXXXX) (B=EXXXXX)	1	1	1			W
1-1	1	164100-30101	PANEL ASSY, B20 (A=EXXXXX) (B=EXXXXX) (C=EXXXXX)	1	1	1			N
1-2	1	164100-30102	PANEL ASSY, B20 MD (A=EXXXXX) (B=EXXXXX) (C=EXXXXX)	1	1	1			S 1
2	2	164100-21100	HARNESS, PANEL	1	1	1			
3	2	164100-31100	SWITCH, PANEL	1	1	1			
3-1	2	164100-31101	SWITCH, PANEL (A=EXXXXX) (B=EXXXXX) (C=EXXXXX)	1	1	1			N
4	2	164100-31150	GASKET, SWITCH	1	1	1			
5	2	164100-31900	BEZEL, SWITCH BK	1	1	1			
6	2	164100-36100	BUZZER, PANEL	1	1	1			
7	2	164100-39100	FRAME, PANEL B	1	1	1			
8	2	164100-39120	BRACKET, SWITCH	2	2	2			
9	2	164100-39130	BRACKET, GAUGE 5	1	1	1			
9-1	2	164100-39131	BRACKET, GAUGE 5 MD (A=EXXXXX) (B=EXXXXX) (C=EXXXXX)	1	1	1			S 1
10	2	164100-39150	CAP, GAUGE TERMINAL	1	1	1			
11	2	164100-39180	WASHER, LOCK	4	4	4			
12	2	164100-39190	NUT, M3.5	4	4	4			
13	2	164100-53100	GAUGE, TACH LCD 5	1	1	1			
13-1	2	164100-53101	GAUGE, TACH LCD 5 (A=EXXXXX) (B=EXXXXX) (C=EXXXXX)	1	1	1			N
13-2	2	164100-53102	GAUGE, TACH LCD 5 MD (A=EXXXXX) (B=EXXXXX) (C=EXXXXX)	1	1	1			S 1
14	2	164100-53150	GASKET, GAUGE 5	1	1	1			
15	2	164100-53900	BEZEL, GAUGE 5 BK	1	1	1			

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

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Fig.52. INSTRUMENT PANEL(C30)(MEDALLION: FROM JAN., 2012)



(A)=4JH4-TE
(B)=4JH4-HTE
(C)=4JH4-HTE1

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

No.	Lev.	Parts No.	Description	Q'ty	I	R			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	164100-30200	PANEL ASSY, C30	1	1	1			W
		(A=EXXXXX)	(B=EXXXXX)						
3	3	164100-21100	HARNESS, PANEL	1	1	1			
4	3	164100-31100	SWITCH, PANEL	1	1	1			
4-1	3	164100-31101	SWITCH, PANEL	1	1	1			N
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)					
5	3	164100-31150	GASKET, SWITCH	1	1	1			
6	3	164100-31900	BEZEL, SWITCH BK	1	1	1			
7	3	164100-36100	BUZZER, PANEL	1	1	1			
9	3	164100-39120	BRACKET, SWITCH	2	2	2			
10	3	164100-39130	BRACKET, GAUGE 5	1	1	1			
10-1	3	164100-39131	BRACKET, GAUGE 5 MD	1	1	1			S 1
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)					
11	3	164100-39150	CAP, GAUGE TERMINAL	1	1	1			
12	3	164100-39180	WASHER, LOCK	4	4	4			
13	3	164100-39190	NUT, M3.5	4	4	4			
14	3	164100-53100	GAUGE, TACH LCD 5	1	1	1			
14-1	3	164100-53101	GAUGE, TACH LCD 5	1	1	1			N
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)					
14-2	2	164100-53102	GAUGE, TACH LCD 5 MD	1	1	1			S 1
		(A=EXXXXX)	(B=EXXXXX)	(C=EXXXXX)					
15	3	164100-53150	GASKET, GAUGE 5	1	1	1			
16	3	164100-53900	BEZEL, GAUGE 5 BK	1	1	1			
17	2	164100-30210	PANEL KIT, C30	1	1	1			
18	3	164100-21200	HARNESS, GAUGE 2	1	1	1			
19	3	164100-39180	WASHER, LOCK	4	4	4			
20	3	164100-39190	NUT, M3.5	4	4	4			
21	3	164100-39200	FRAME, PANEL C	1	1	1			
22	3	164100-39230	BRACKET, GAUGE 2 MD	2	2	2			
23	3	164100-53200	GAUGE, TEMP CW 2	1	1	1			
24	3	164100-53210	GAUGE, PRESS LO 2	1	1	1			
25	3	164100-53250	GASKET, GAUGE 2	2	2	2			
26	3	164100-53920	BEZEL, GAUGE 2 BK	2	2	2			

Remarks

*This item is applicable to [(A)=Jan., 2012] or following machines.

Refer to Fig.44, 48.

(1)Valeo generator spec.

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

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Parts No. Index

Parts No.	Fig. No.	Ref. No.	Parts No.	Fig. No.	Ref. No.	Parts No.	Fig. No.	Ref. No.	Parts No.	Fig. No.	Ref. No.
104214-39720	5	18	121450-01560	28	11	124550-77030	36	27	129001-02931	1	25 -1
104407-44480	11	26	121550-23200	16	13	124770-77940	42	3	129006-03120	8	6
105311-67200	33	2	121574-86320	33	7	124976-34850	1	45	129054-42320	20	6
105425-01690	5	2	121750-59890	17	35	127412-91250	43	9	129100-01580	15	2
105430-55041	32	8		40	4		44	10	129100-77500	9	10
114250-53080	29	5		49	20	127675-82650	23	6	129100-77501	9	10 -1
114250-53120	29	9	121850-11860	7	9 -1	128170-13600	11	24	129100-77510	9	11
114250-53130	29	10	121850-21680	15	10		12	24	129103-35122	17	16
114250-53140	29	11	121850-51960	28	9		21	28		46	16
114250-53210	29	12		46	4	128170-86501	33	12	129150-01200	1	37
114250-53400	29	13	121857-55750	31	7	128271-77200	38	1	129150-01881	19	20
119129-77250	37	14			15	128271-77730	38	4		46	25
119129-77260	37	15	121857-55760	31	8	128271-77740	38	5	129150-02020	1	8
119129-77320	37	3			16	128271-77750	38	6	129150-02450	14	4
119129-77890	37	20	122780-59100	30	11	128377-07150	6	1	129150-02870	1	39
119129-77900	37	21	123310-77640	36	25	128377-07190	6	12	129150-02871	1	39 -1
119129-77930	37	19	123325-49421	10	15	128377-07260	6	2	129150-02930	1	28
119171-59200	28	7	123682-07852	6	5	128377-07270	6	3	129150-02931	1	28 -1
119171-59910	31	24	123900-77700	38	2	128377-07350	6	4	129150-02940	1	42
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119773-91850	42	33	124160-39140	18	1	128990-77250	53	15	129150-32020	17	2
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119802-11870	7	23	124223-39900	18	4	128990-77430	39	4		46	15
119802-21660	15	8	124240-01871	2	9		40	6	129150-35153	17	17
119803-53400	29	13 -1		19	24		42	23	129150-42059	20	2
120130-91370	42	17	124413-39100	17	33	128990-77510	49	14	129150-42300	20	4
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120270-77511	42	24		21	31	128990-77910	9	13	129150-59131	30	5
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121252-39450	42	13 -1	124550-01590	2	5	129001-01250	1	5		13	12
121450-01560	2	4	124550-21600	15	15	129001-02930	1	25		13	19

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129156-44760	20	18	129271-77931	40	10	129271-91301	47	1 -1	129474-18181	13	21
129171-49900	22	41	129271-91110	43	1	129271-91302	47	1 -2	129486-42050	20	16
	23	39	129271-91111	43	1 -1	129271-91310	47	6		46	19
129189-21200	15	5	129271-91112	43	1 -2	129271-91320	47	7	129490-49070	22	39
129198-59540	9	23	129271-91113	43	1 -3	129271-91330	47	8		23	37
129263-42120	20	3	129271-91120	43	2		48	8	129508-03010	8	3
129270-44501	21	35	129271-91130	43	3	129271-91340	47	9	129508-11130	7	13
129270-92100	45	1		47	2		48	9	129508-11180	7	14
129270-92600	45	2	129271-91131	43	3 -1	129271-91350	48	1	129508-11241	7	31
129270-92610	45	5		47	2 -1	129271-91351	48	1 -1	129508-11250	7	32
129270-92620	45	6	129271-91132	43	3 -2	129271-91352	48	1 -2	129508-11260	7	34
129270-92630	45	7		47	2 -2	129271-91360	48	10	129508-11270	7	35
129270-92640	45	8	129271-91140	43	4	129271-91370	48	11	129508-11280	7	36
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129270-92690	45	4	129271-91150	43	5		18	8		46	8
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129271-42350	20	34	129271-91163	44	1 -3	129470-01710	5	7	129508-11820	7	22
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129271-77270	41	6	129271-91190	44	4	129470-83750	35	12	129553-39650	1	35
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	33			48	4 -1	129472-13560	10	9	129574-55700	31	5
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	31			48	7	129473-85900	35	1	129574-55840	31	10
129271-77631	53	8	129271-91260	43	10	129473-85910	35	2	129574-59990	31	33
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129574-77740	42	11			27	129671-44300	49	10	129671-77360	41	12
129574-77980	42	12			32	129671-44310	21	30 -1	129671-77370	41	13
129595-18132	13	24			38	129671-49010	22	1	129671-77380	41	14
129595-18141	9	20			43	129671-49020	22	2	129671-77390	39	1
	13	14			24	129671-49030	22	7	129671-77400	39	3
129595-18151	13	17			25	129671-49100	22	32	129671-77410	39	8
129608-77010	36	1	129670-55700	31	3	129671-49110	22	3	129671-77411	39	8 -1
129608-77110	36	4	129670-77030	36	27 -1			16	129671-77490	40	5
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129670-07101	6	19 -1			53	129671-77370	37	24 -2	129671-77680	20	24 -2
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	21	28 -1	129671-08150	4	1	129671-49240	22	14	129672-07100	6	19 A
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129670-39600	42	14	129671-08210	4	3	129671-49310	24	10	129672-11100	7	11
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	34 -2		129671-08240	49	2	129671-49330	24	12	129672-11510	7	18
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129670-42520	19	6			17	129671-49430	20	19	129672-18100	13	1
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129670-42560	19	13	129671-08280	49	6	129671-55660	31	2	129672-18150	13	8 A
129670-42570	19	16	129671-08290	49	9			41	129672-18160	13	8 B
129670-42580	19	19	129671-11700	7	1	129671-55720	40	2	129672-18170	13	6 -1
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	23	42	129671-13570	10	5 -1	129671-67000	49	11	129672-33060	17	14
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	11			13	14 -1	129671-77030	49	13	129672-44100	21	13
	18		129671-22050	16	1	129671-77260	41	5	129672-44150	21	18
	24		129671-22051	16	1 -1	129671-77320	40	3	129672-44160	21	19
	29		129671-22052	16	1 -2	129671-77321	40	3 -1	129672-44170	21	20
	34		129671-25920	28	21	129671-77340	41	10	129672-44400	21	21
	40		129671-32000	17	1	129671-77341	41	10 -1	129672-44900	21	1

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129672-49070	23	8	129673-81020	34	5	129795-01800	2	8	164100-39180	51	11
129672-49230	23	9	129673-81100	34	6	129795-01950	1	31		52	12
129672-49240	23	41	129673-81110	34	7		2	10			19
129672-49260	24	2	129673-81150	15	20	129795-02411	1	11	164100-39190	51	12
129672-49310	17	22	129673-81200	34	8	129795-02412	1	11 -1		52	13
129672-49320	17	23	129673-81210	34	9	129795-21661	15	9			20
129672-49340	17	25	129673-81250	15	22	129795-48800	25	1	164100-39200	52	21
129672-49410	22	17	129673-81760	15	18	129795-49551	20	26	164100-39230	52	22
	23	17	129673-85100	35	9		46	20	164100-53100	51	13
129672-49420	23	11	129693-01341	1	38	129900-77810	38	7		52	14
129672-49500	24	6		46	2	129907-11950	7	26	164100-53101	51	13 -1
129672-51950	28	1 A	129693-01520	2	3	129908-33101	17	10		52	14 -1
129672-51970	28	1 B	129693-18450	9	22	129916-49740	20	7	164100-53102	51	13 -2
129672-53010	29	2 A	129693-25100	14	13	129C26-01890	19	25 -1		52	14 -2
129672-77950	42	35	129693-39601	18	9		46	18 -1	164100-53150	51	14
129672-81000	34	1	129693-44300	7	27	138603-59380	32	4		52	15
129672-81010	34	2	129693-44310	21	30	164100-21100	51	2	164100-53200	52	23
129672-81020	34	3	129693-44420	21	11		52	3	164100-53210	52	24
129673-01520	2	1		16		164100-21200	52	18	164100-53250	52	25
129673-01620	3	1	129693-49040	23	3	164100-22720	42	9 -1	164100-53900	51	15
129673-01700	5	1	129693-49050	23	4	164100-22730	42	10 -1		52	16
129673-13551	10	19	129693-67102	30	14	164100-22740	42	11 -1	164100-53920	52	26
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129673-18140	13	17 -1	129693-67210	28	6	164100-23900	42	34		12	30
129673-18220	13	2	129695-77370	37	24		34 -1	171051-01921	1	7	
129673-18250	13	6	129695-77371	37	24 -1	164100-23910	42	36	177050-02811	6	8
129673-22500	16	3 -2	129695-77380	37	25	164100-30100	51	1	177050-02821	6	10
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129673-44090	21	12	129698-21001	15	1 -1	164100-30102	51	1 -2	177073-02431	6	7
129673-44110	21	4	129698-49020	23	2	164100-30200	52	1	177074-06350	42	32
129673-44131	21	17	129698-77020	36	2	164100-30210	52	17	177090-03500	15	16
129673-44150	21	6	129698-77101	36	3	164100-31100	51	3	194250-51660	42	1
129673-44560	24	4	129698-77120	36	5		52	4	194440-51620	24	7
129673-49010	23	1	129698-77130	36	7	164100-31101	51	3 -1	196440-02380	4	10
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	23	7	129698-77150	36	8	164100-31150	51	4	196440-04300	15	27
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129673-49150	10	23	129698-77170	36	10	164100-31900	51	5	22133-080000	11	32
129673-49310	24	5 -1	129698-77180	36	17		52	6		12	32
129673-49410	22	22	129698-77190	36	18	164100-36100	51	6	22137-080000	10	3
	23	25	129698-77200	36	19		52	7			16
129673-49420	22	23	129698-77210	36	20	164100-39100	51	7			13
	23	26	129698-77220	36	21	164100-39120	51	8			31
129673-49430	22	28	129698-77230	36	22		52	9			37
	23	31	129698-77240	36	15	164100-39130	51	9			41
129673-51251	28	12	129698-77250	36	16		52	10			42

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	15	31	23000-060000	9	21	25132-003800	40	13	26106-080352	10	17
	37	28	23000-070000	13	12	25132-004600	20	24		17	8
	41	17	23010-013000	21	38	26022-050162	33	9			30
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	15 -1			12	33		42	27			28
	19			17	32	26106-060122	20	35	26106-080452	2	13
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	42	26	23072-101000	25	12	26106-060202	20	8		13	15
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	46	17	23414-080000	9	26	26106-080122	5	22		20	23
22190-120002	31	25		46	12		18	7	26106-080652	28	16
	35		23414-100000	18	6		30	16		37	30
	46	6		46	10		33	10		53	11
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	15	25	23414-170000	21	26		51		26106-100222	4	5
	17	6	23831-100000	5	29		15	17		5	24
	42	6	23857-030000	1	36		26			28	19
	53	2	23875-010000	42	15		22	6	26106-100252	5	12
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23000-025000	18	12	24341-000400	8	11		37	29	26226-080352	7	46

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26226-100222	34	11	29622-250001	42	1 -1	X158606410X	50	3	XNN131614	12	2
26226-100252	34	11 -1	41710-000380	33	14	X179100011X	27	5	XNN133021	11	10
26306-080002	5	25	41710-000410	33	11	X179100021X	26	5	XNN133022	12	18
	19	23	41730-000681	33	13	X179100022X	50	5	XNN133208	11	21
		27	43530-500570	22	37	X179100100X	26	6		12	17
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	28	13	43662-025030	22	38		50	6	XNN133596	12	19
		14		23	36	X199903800X	26	8		11	12
	31	21	43662-025031	22	38 -1		27	8	XNN133911	12	20
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26366-080002	40	17	43720-001220	17	34	X2114535200	36	12	XNN134035	11	14
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		26	48110-034071	35	3	X8636008003	26	4	XNN136613	12	9
	31		729573-23700	16	9	X8636015001	50	4	XNN136617	11	9
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	23	20	729671-53110	29	1	XL155G1330	37	8		12	14
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	49	15	729692-22510	16	3	XL180G13012	37	6	XNN137423	11	18
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26450-120402	35	14	977780-01211	26	1 -1	XL225G1325	37	9	XTST25S005	25	6
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