

OCR10-M74900EN

Introduction

1. This parts catalog is a first edition of the 3JH5E Diesel engine.

	Parts catalog No.	Date of issue	Remarks
First edition	OCR10-G74900	Dec. , 2008	

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.

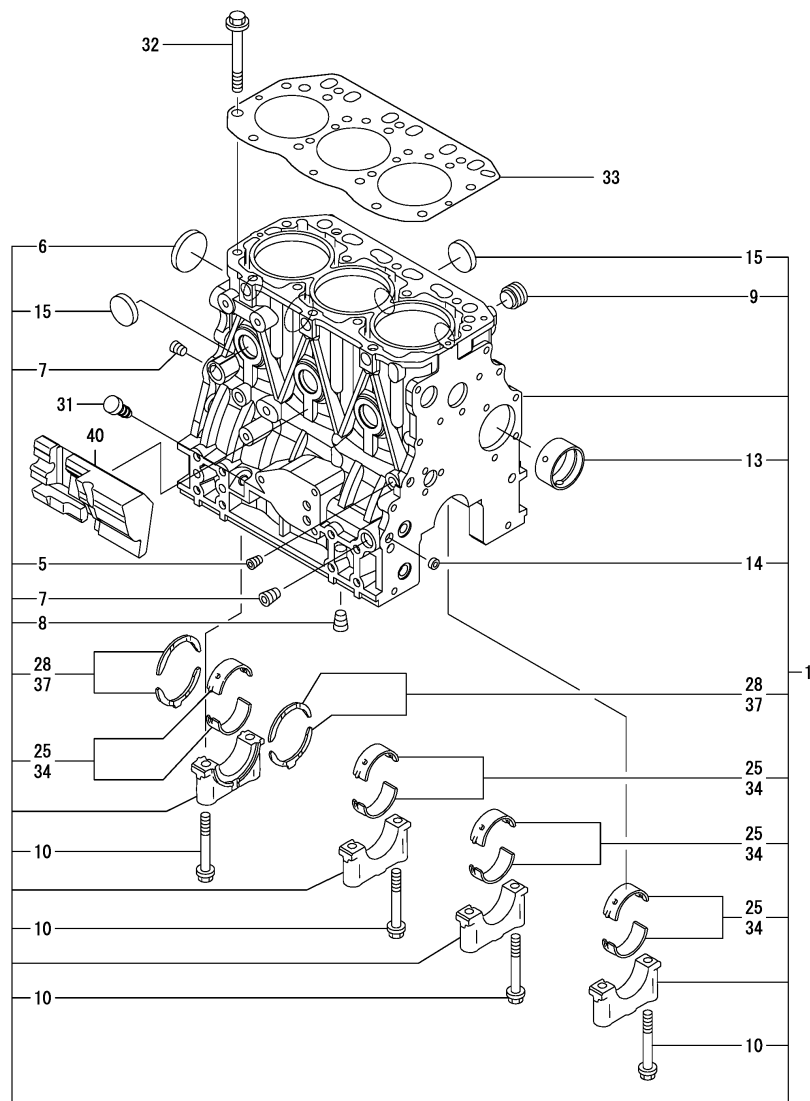
6. Be sure to use only Yanmar genuine part for repairs. If imitation parts are used, it may cause engine defects.

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OCR10-M74900

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Fig.1. CYLINDER BLOCK

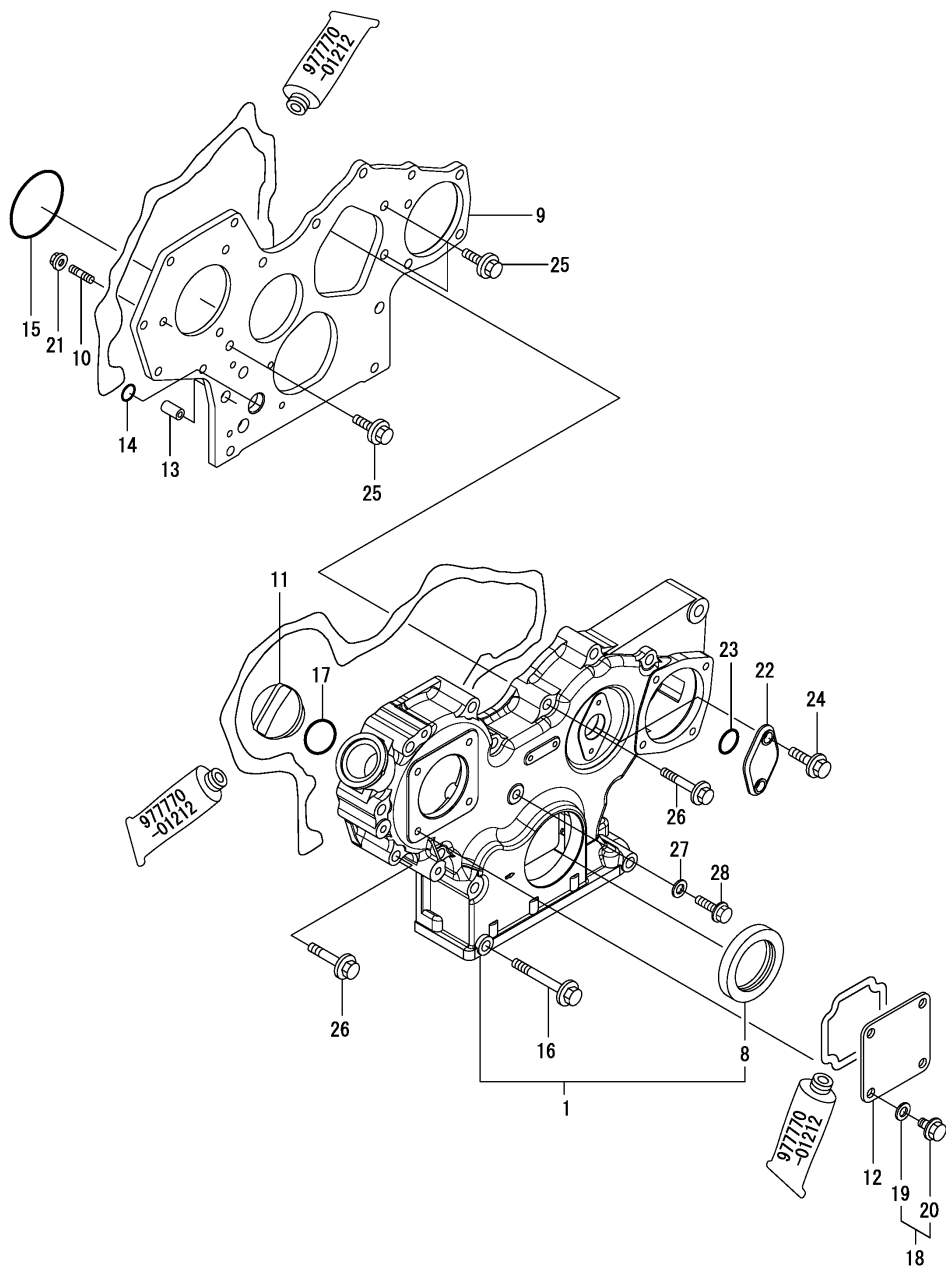


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-01560	BLOCK ASSY, CYLINDER	1							
5	2	124060-01050	PLUG, PT1/8	1							
6	2	129001-01250	PLUG, 50	1							
7	2	124160-01910	PLUG, PT1/4	2							
8	2	124160-01910	PLUG, PT1/4	1							
9	2	171051-01921	PLUG, NPTF1	1							
10	2	129150-02020	BOLT, METAL CAP	8							
13	2	129795-02412	BUSH, CAMSHAFT	1							
14	2	27241-120000	PLUG, 12	2							
15	2	27241-300000	PLUG 30	6							
25	2	129001-02931	BEARING, MAIN	5							3
28	2	129150-02931	BEARING, THRUST	2							3
31	1	124976-34850	CAP	1							
32	1	129150-01200	BOLT, HEAD	14							
33	1	129001-01340	GASKET, HEAD	1							
34	1	129150-02871	BEARING, 0.25 US	5							1
37	1	129150-02941	BEARING, THRUST 0.25	1							2
40	1	129004-01190	SPACER	1							

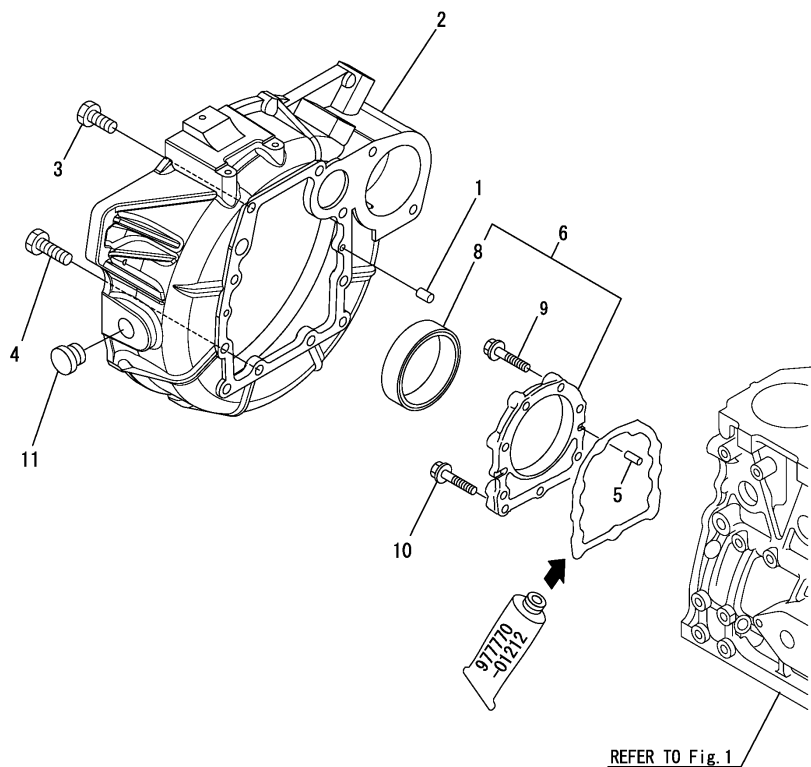
(1) UNDER SIZED (U.S.=0.25) PART.
(2) OVER SIZED (O.S.=0.25) PART.
(3) REPAIR PART.

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.2. GEAR HOUSING

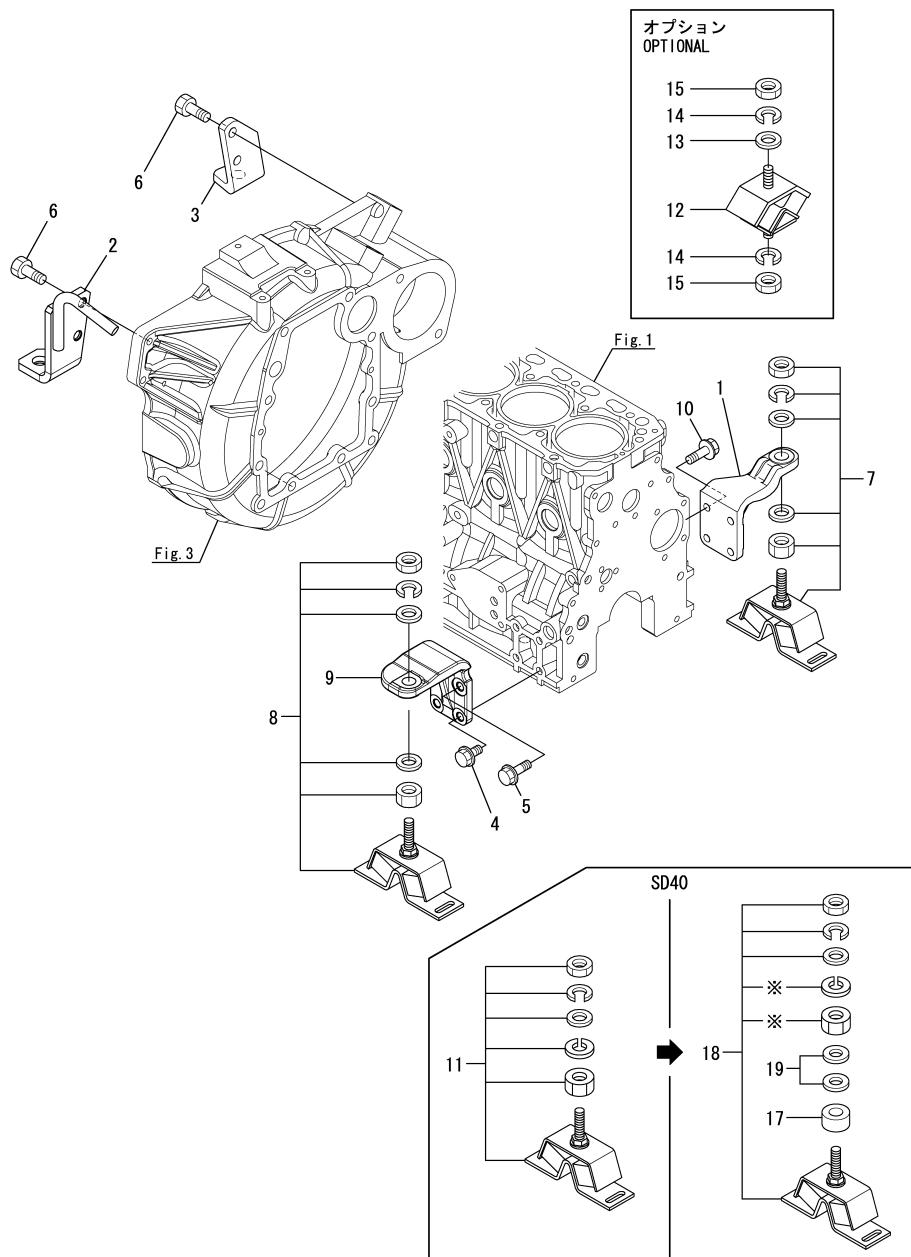


No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129271-01600	CASE ASSY, GEAR	1					
8	2	119934-01800	SEAL, OIL	1					
9	1	129008-01520	FLANGE, GEAR CASE	1					
10	1	119802-01561	STUD, M8X25	3					
11	1	124160-01751	COVER, FILLER	1					
12	1	124240-01871	COVER	1					
13	1	129795-01950	PIPE, KNOCK L=18	2					
14	1	119609-32040	O-RING, P16	2					
15	1	121850-51960	O-RING	1					
16	1	26106-080852	BOLT, M8X 85 PLATED	3					
17	1	24311-000320	O-RING, 1AP32.0	1					
18	1	124550-01590	BOLT, M8X16	4					
19	2	22190-080002	WASHER, SEAL 6	4					
20	2	26106-080162	BOLT, M8X 16 PLATED	4					
21	1	26306-080002	NUT, M8	3					
22	1	121023-01551	COVER	1					
23	1	24341-000240	O-RING, 1AS24.0	1					
24	1	26106-060162	BOLT, M6X 16 PLATED	2					
25	1	26106-080162	BOLT, M8X 16 PLATED	3					
26	1	26106-080552	BOLT, M8X 55 PLATED	10					
27	1	22190-080002	WASHER, SEAL 6	1					
28	1	26106-080302	BOLT, M8X 30 PLATED	1					



No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129100-01580	PIN, M8X16	2					
2	1	129670-01600	HOUSING, FLYWHEEL	1					
3	1	26206-100252	BOLT, M10X 25 PLATED	6					
4	1	26206-100302	BOLT, M10X 30 PLATED	4					
5	1	129100-01580	PIN, M8X16	2					
6	1	129100-01640	CASE ASSY, OIL SEAL	1					
8	2	129795-01780	SEAL, OIL	1					
9	1	129486-01670	BOLT, M8X30	6					
10	1	26106-080352	BOLT, M8X 35 PLATED	3					
11	1	119620-01750	CAP	1					

Fig.4. MOUNTING FOOT



(A)=3JH5E
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129670-08110	FOOT	1							
2	1	129271-08120	FOOT	1							
3	1	129670-08130	FOOT	1							
4	1	26106-100222	BOLT, M10X 22 PLATED	2							
5	1	26106-100222	BOLT, M10X 22 PLATED	2							
6	1	26116-120252	BOLT, M12X 25 PLATED	4							
7	1	129670-08340	MOUNT, FLEXIBLE 150	2							
8	1	128377-08350	MOUNT, FLEXIBLE 100	2							
9	1	129271-08100	FOOT	1							
10	1	26106-100222	BOLT, M10X 22 PLATED	4							
11	1	129670-08350	MOUNT, FLEXIBLE 200	2							
11-1	1	129670-08351	MOUNTING, FLEXIBLE	2						N	
(A=*2009.03)											
11-2	1	129670-08351	MOUNTING, FLEXIBLE	2						Z	
(A=*2012.12)											
12	1	196420-02310	ABSORBER, SHOCK 230	1							
13	1	196440-02390	WASHER	1							
14	1	22217-120000	WASHER, SPRING 12	2							
15	1	26716-120002	NUT, M12	2							
17	1	129671-08250	SPACER, ABSORBER	2						W	
(A=*2012.12)											
18	1	129670-08351	MOUNTING, FLEXIBLE	2						W	
(A=*2012.12)											
19	1	22137-160000	WASHER, 16	4						W	
(A=*2012.12)											

Remarks

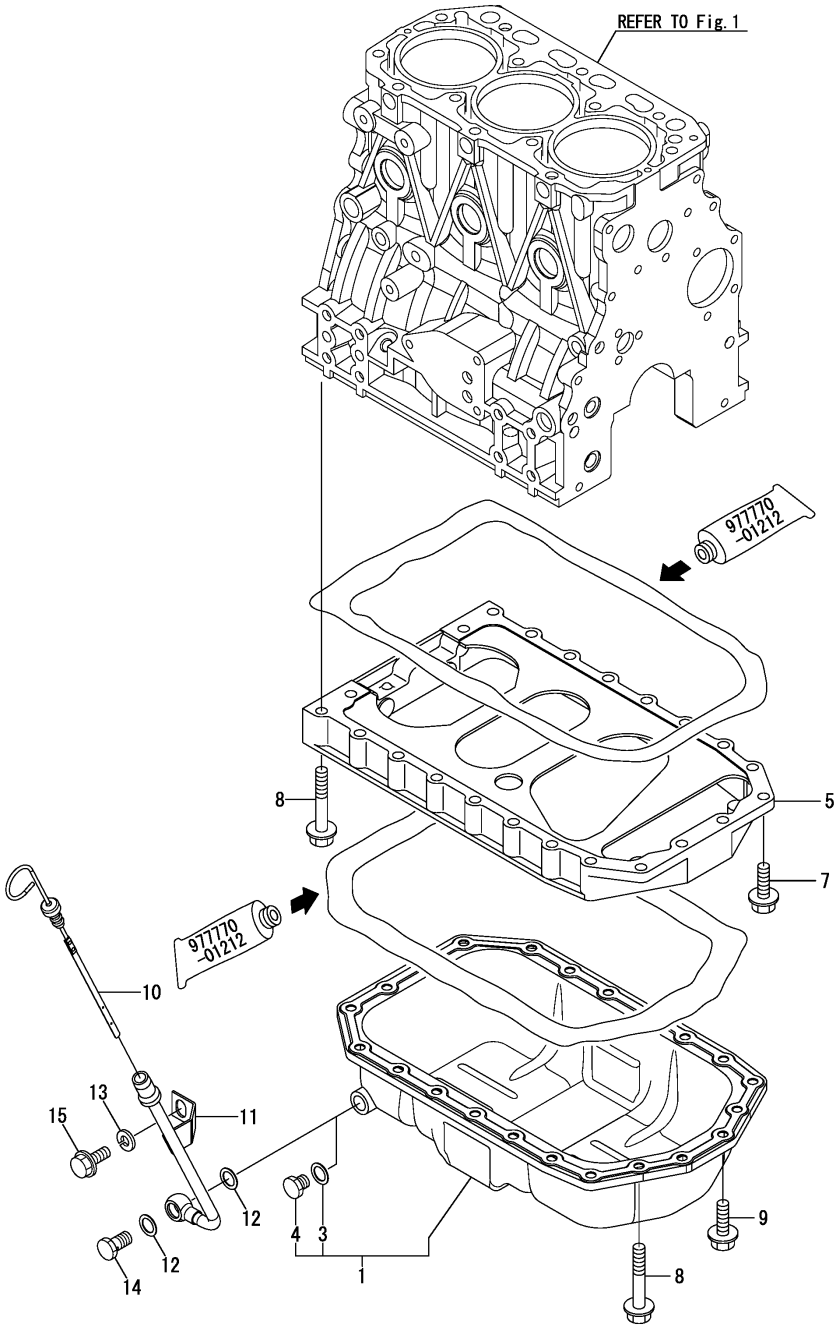
* They are unnecessary parts.

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

Fig.5. LUB.OIL SUMP

(A)=3JH5E
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-01700	SUMP ASSY, OIL	1							
3	2	23414-140000	GASKET, 14X1.0	1							
4	2	23887-140002	PLUG M14	1							
5	1	129100-01730	SPACER, OIL SUMP	1							
7	1	26106-080252	BOLT, M8X 25 PLATED	2							
8	1	26106-080452	BOLT, M8X 45 PLATED	20							
9	1	26106-080162	BOLT, M8X 16 PLATED	4							
10	1	129271-34850	DIPSTICK, OIL	1							
11	1	129271-34890	GUIDE ASSY, DIPSTICK	1							
12	1	22190-140002	WASHER, SEAL 14	2							
13	1	22217-100000	WASHER, SPRING 10	1							
14	1	23851-080000	JOIT BOLT 8	1							
15	1	26106-100122	BOLT, M10X 12 PLATED	1							

Fig.6. LABEL

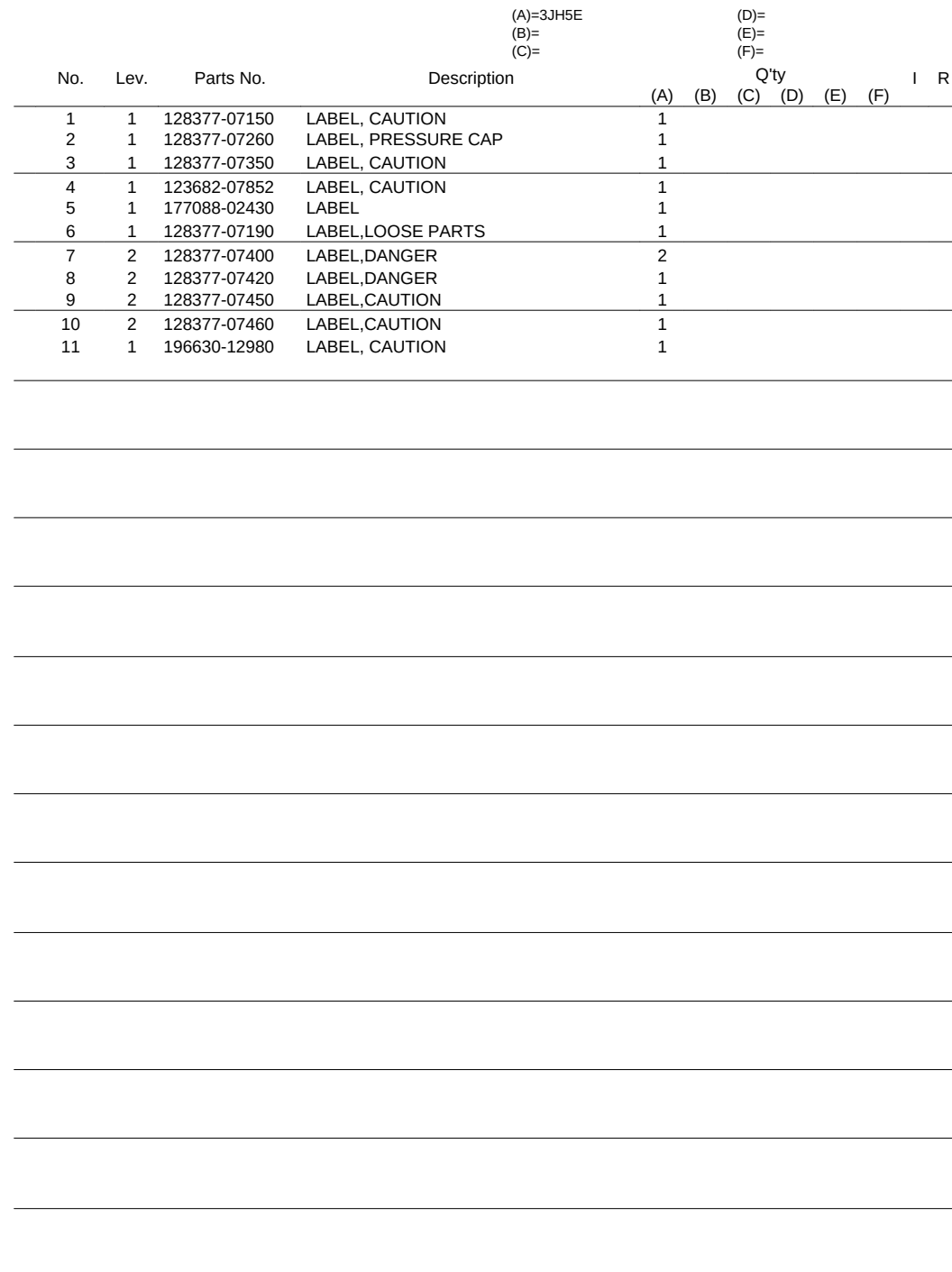
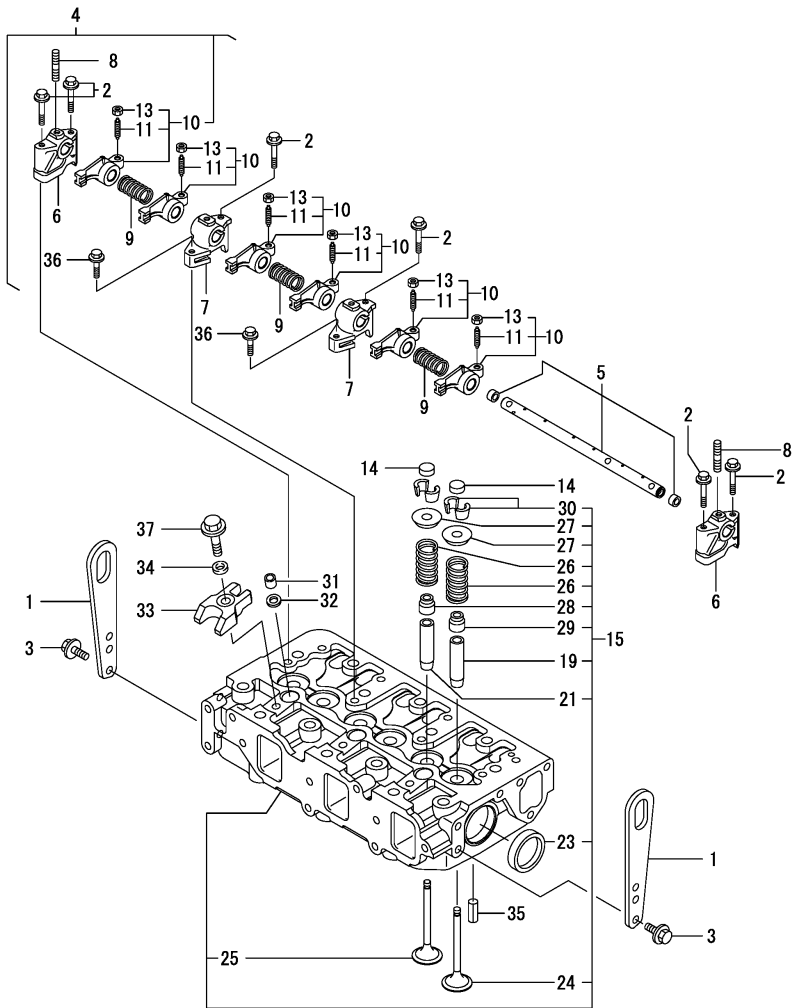


Fig.7. CYLINDER HEAD



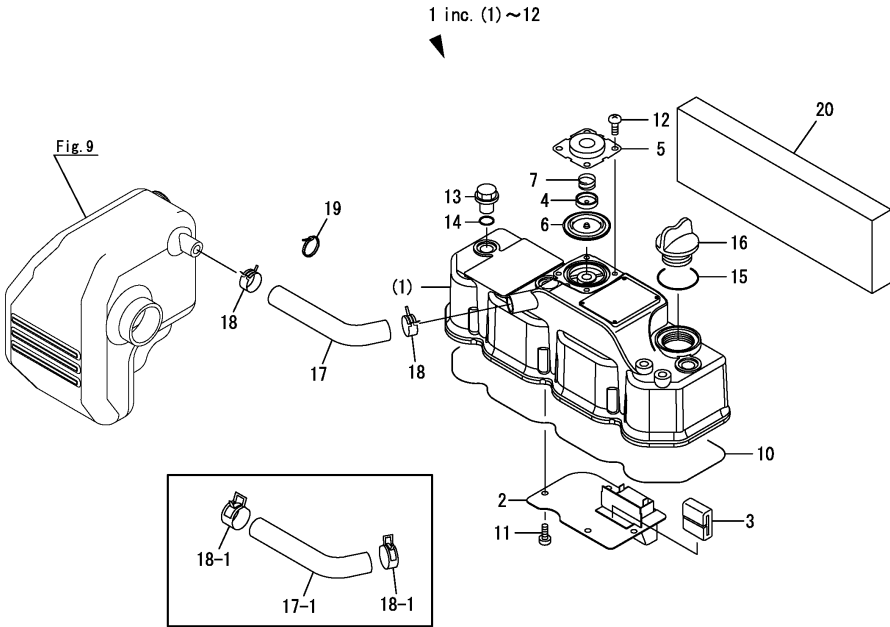
(A)=3JH5E
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER	2							
2	1	26106-080502	BOLT, M8X 50 PLATED	6							
3	1	26106-080162	BOLT, M8X 16 PLATED	4							
4	1	129004-11241	SHAFT ASSY, ROCKER	1							
5	2	129004-11251	SHAFT, ROCKER ARM	1							
6	2	119802-11260	SUPPORT, ROCKER ARM	2							
7	2	119802-11270	SUPPORT, ROCKER ARM	2							
8	2	119802-11280	STUD	3							
9	2	129150-11280	SPRING	3							
10	2	129004-11650	ARM, ROCKER	6							
11	3	129150-11230	SCREW, VALVE ADJUST	6							
13	3	129150-11750	NUT, M8	6							
14	1	129150-11370	CAP, VALVE	6							
15	1	129005-11700	HEAD ASSY, CYLINDER	1							
19	2	120130-11860	GUIDE, VALVE	3							1
21	2	129150-11810	GUIDE, VALVE	3							1
23	2	27241-400000	PLUG, 40	2							
24	2	129005-11100	VALVE, INTAKE	3							
25	2	129100-11112	VALVE, EXHAUST	3							
26	2	129795-11120	SPRING, VALVE	6							
27	2	129795-11180	RETAINER, SPRING	6							
28	2	121400-11340	SEAL, VALVE STEM	3							
29	2	124460-11340	SEAL, VALVE STEM	3							
30	2	27310-080000	COTTER 8	6							
31	1	119802-11870	PROTECTOR, NOZZLE	3							
32	1	119625-11880	SEAT, NOZZLE	3							
33	1	129004-11900	RETAINER, NOZZLE	3							
34	1	120270-54410	WASHER, INJECTOR	3							
35	1	22351-060012	PIN, SPRING 6.0X12	2							
36	1	26106-080252	BOLT, M8X 25 PLATED	2							
37	1	26106-080352	BOLT, M8X 35 PLATED	3							

Remarks
(1)REPAIR PART.

Fig.8. BONNET

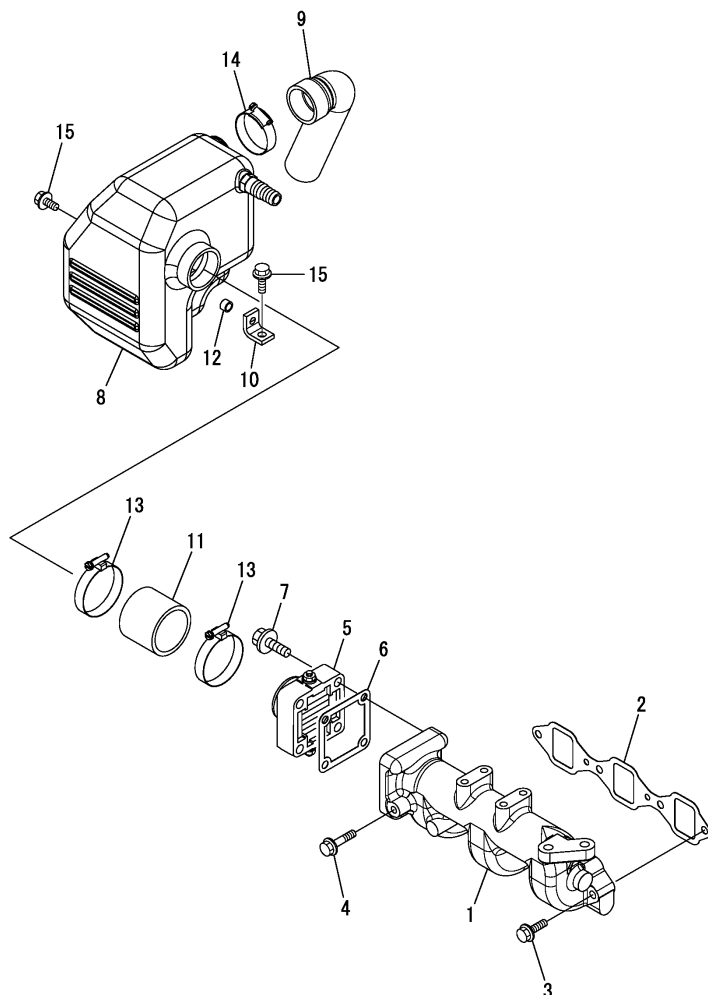


(A)=3JH5E
(B)=
(C)=

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

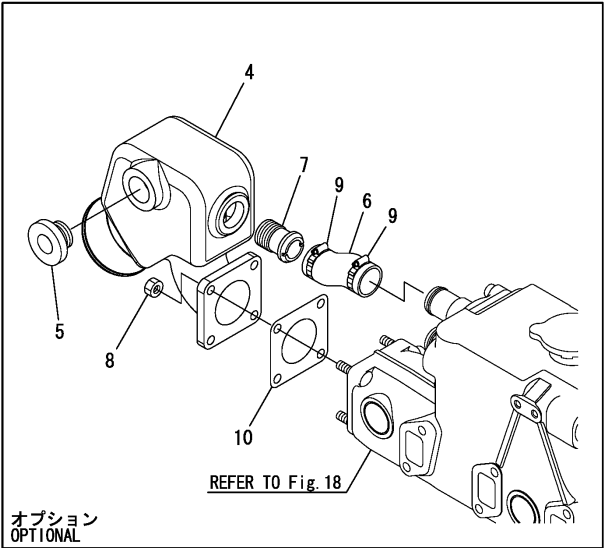
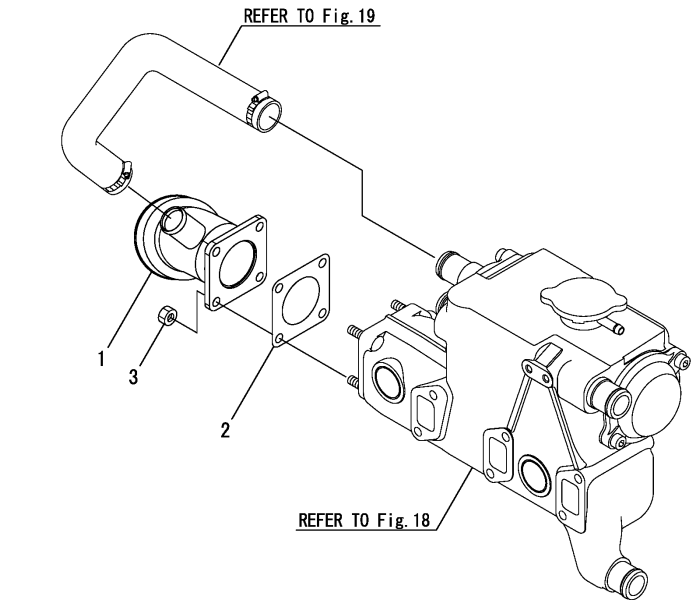
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-11350	BONNET ASSY, HEAD	1							
2	2	129004-03010	PLATE	1							
3	2	129150-03070	BAFFLE, BREATHER	1							
4	2	119802-03110	PLATE	1							
5	2	119802-03121	COVER, DIAPHRAGM	1							
6	2	119802-03130	DIAPHRAGM	1							
7	2	119802-03141	SPRING, DIAPHRAGM	1							
10	2	129004-11310	GASKET, BONNET	1							
11	2	22857-500100	SCREW, 5X10	4							
12	2	22857-500100	SCREW, 5X10	4							
13	1	124160-11360	KNOB	3							
14	1	24311-000120	O-RING, 1AP12.0	3							
15	1	24311-000320	O-RING, 1AP32.0	1							
16	1	124160-01751	COVER, FILLER	1							
17	1	129271-03090	PIPE , BREATHER	1							
17-1	1	129271-03091	PIPE, BREATHER	1						S	1
(A=EZZZZZ)											
18	1	129410-03990	CLIP	2							
18-1	1	124398-49700	CLIP, HOSE 24.0	2						S	1
(A=EZZZZZ)											
19	1	121750-59890	BAND, 140	1							
20	1	129271-11900	INSULATOR, NOISE	1							

Remarks
(1)Interchangeable by simultaneous
replacement with Ref.No.17-1,18-1.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-12100	MANIFOLD, AIR INTAKE	1							
2	1	129150-12111	GASKET, MANIFOLD	1							
3	1	26106-080252	BOLT, M8X 25 PLATED	3							
4	1	26106-080352	BOLT, M8X 35 PLATED	1							
5	1	129120-77502	HEATER	1							
6	1	129150-77511	GASKET	1							
7	1	26106-080352	BOLT, M8X 35 PLATED	4							
8	1	129271-12311	SILENCER	1							
9	1	129670-12350	PIPE	1							
10	1	129271-12410	BRACKET, SILENCER	1							
11	1	129271-12810	PIPE,SUC AIR	1							
12	1	128990-77430	COLLAR	1							
13	1	23000-060000	CLAMP, 60	2							
14	1	23000-048000	CLAMP, 48	1							
15	1	26106-080162	BOLT, M8X 16 PLATED	2							

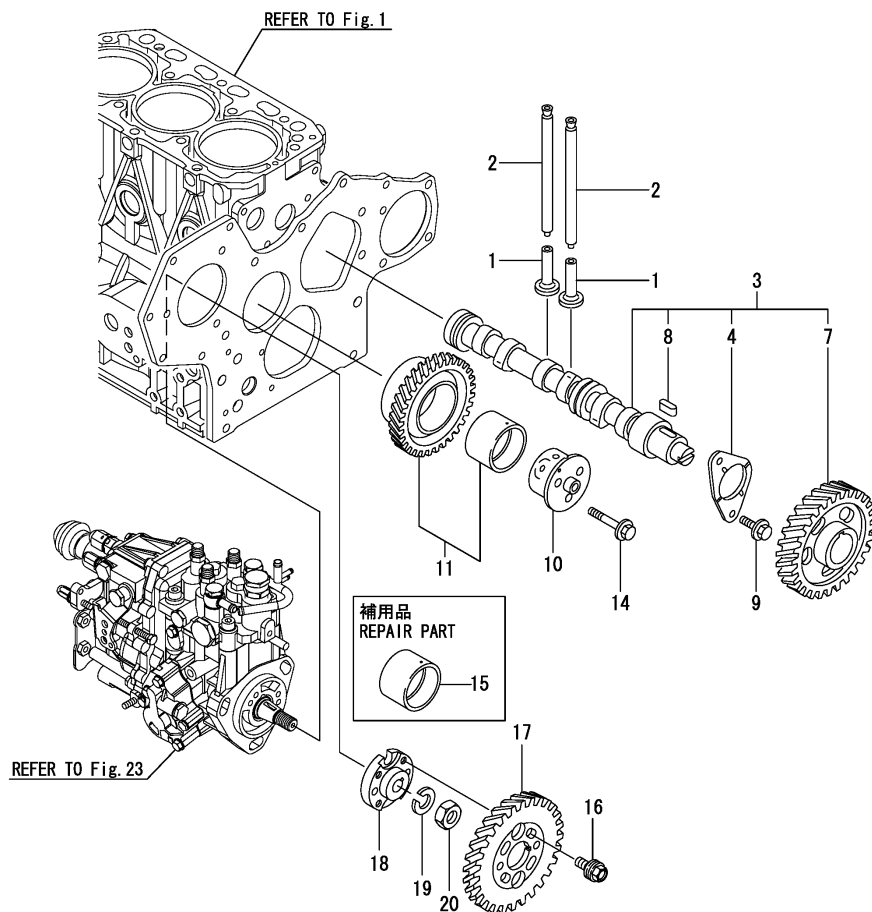
Fig.10. MIXING ELBOW



(A)=3JH5E
(B)=
(C)=

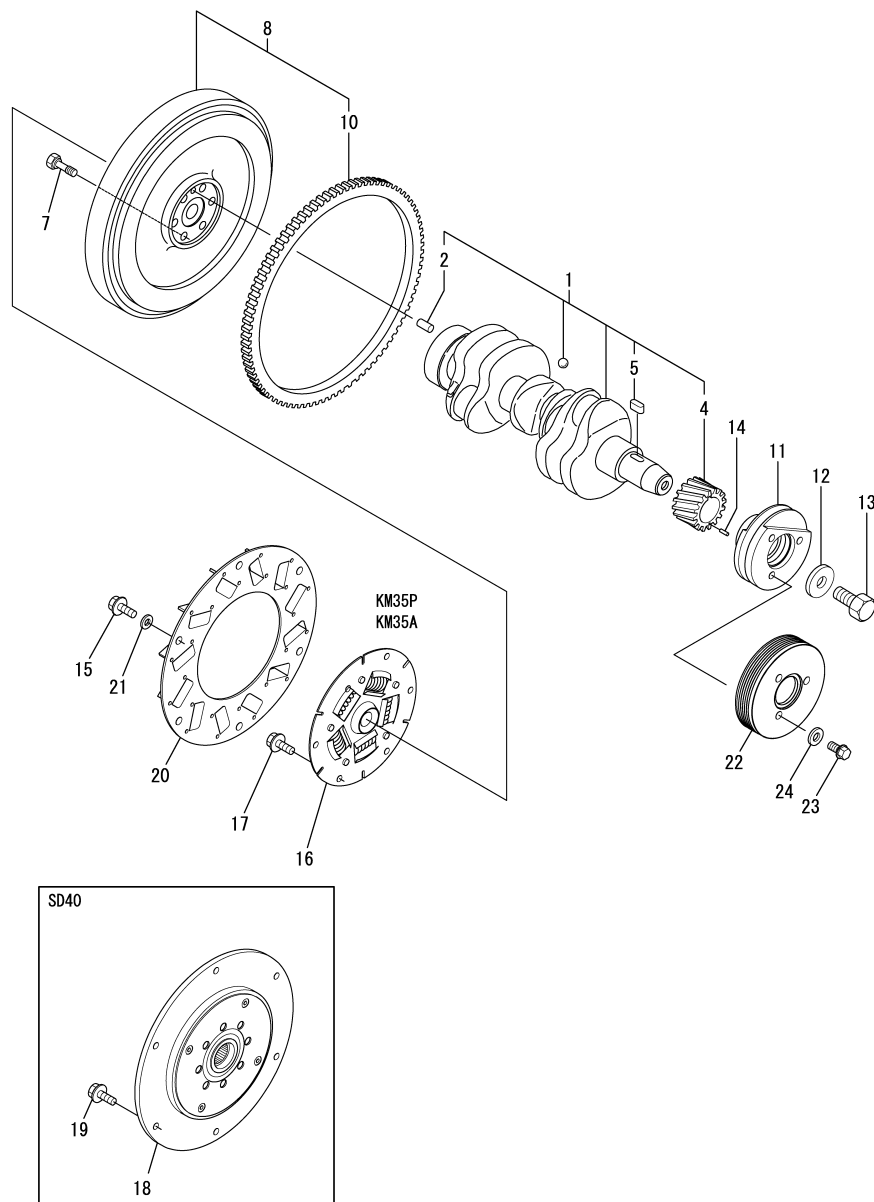
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129670-13561	ELBOW	1							
2	1	129472-18090	GASKET	1							
3	1	26703-080002	NUT, M8	4							
4	1	129470-13541	ELBOW	1							
5	1	129472-13560	PLUG, PT3/4	1							
6	1	129670-49280	PIPE, WATER	1							
7	1	123325-49421	JOINT, PIPE	1							
8	1	26703-080002	NUT, M8	4							
9	1	129670-49500	CLIP, HOSE 38	2							
10	1	129472-18090	GASKET	1							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	6							
2	1	129150-14400	ROD, PUSH L=178	6							
3	1	129129-14580	CAMSHAFT ASSY	1							
4	2	129150-02450	BEARING, THRUST	1							
7	2	129150-14101	GEAR, CAMSHAFT	1							
8	2	22512-070140	KEY, 7X 14	1							
9	1	26106-080142	BOLT, M8X 14 PLATED	2							
10	1	119803-25050	SHAFT, IDLE	1							
11	1	119802-25101	GEAR ASSY, IDLE	1							
14	1	26106-080402	BOLT, M8X 40 PLATED	3							
15	1	119802-25071	BUSH, IDLE GEAR	1							
16	1	129150-25301	BOLT	4							
17	1	119802-25901	GEAR, PUMP	1							
18	1	158552-51151	FLANGE	1							
19	1	22217-140000	WASHER, SPRING 14	1							
20	1	26776-140002	NUT, LOCK M14	1							

Fig.12. CRANKSHAFT & FLYWHEEL



Remarks
(1)Valeo generator spec.

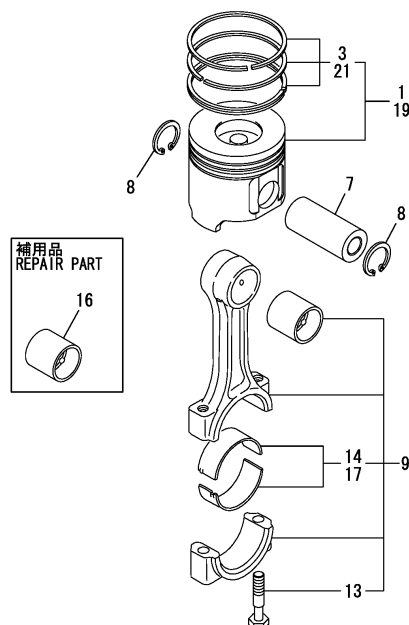
(A)=3JH5E
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129008-21000	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, M8X16	1							
4	2	119803-21200	GEAR, CRANKSHAFT	1							
5	2	22512-070140	KEY, 7X 14	1							
7	1	121111-21501	BOLT, FLYWHEEL	6							
8	1	129270-21591	FLYWHEEL ASSY	1							
10	2	119865-21600	GEAR, RING	1							
11	1	129005-21650	V-PULLEY, 120	1							
12	1	129795-21661	WASHER	1							
13	1	121850-21680	BOLT	1							
14	1	22351-030010	PIN, SPRING 3.0X10	1							
15	1	26106-080162	BOLT, M8X 16 PLATED	6							
16	1	177070-03520	DISK, DAMPER D190	1							
17	1	26106-080162	BOLT, M8X 16 PLATED	6							
18	1	196440-04310	COUPLING, 250 SP10	1							
19	1	26106-080202	BOLT, M8X 20 PLATED	6							
20	1	129670-81850	FAN, FLYWHEEL	1							
21	1	22217-080000	WASHER, SPRING 8	6							
22	1	129271-21660	PULLEY, CRANK 6PK	1							W 1
	(A=E12749)										
23	1	26106-100202	BOLT, M10X 20 PLATED	3							W 1
	(A=E12749)										
24	1	22137-100000	WASHER, 10	3							W 1
	(A=E12749)										

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

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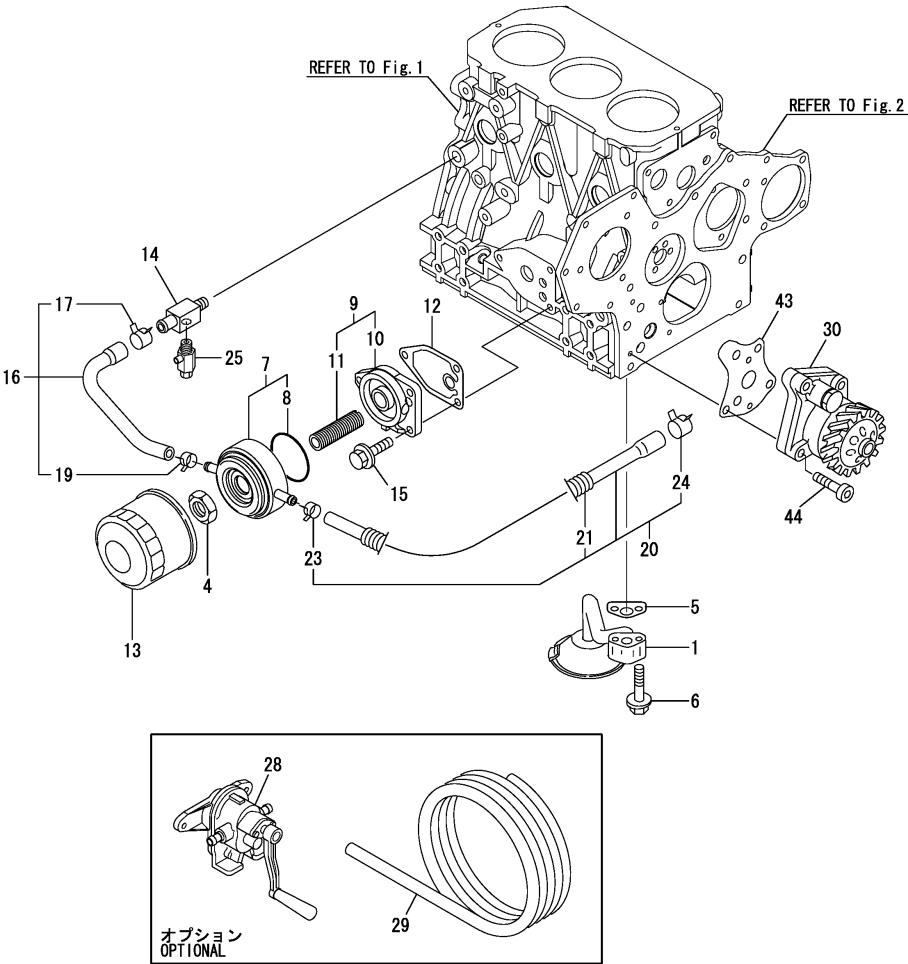


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129005-22080	PISTON ASSY	3							
3	2	129005-22500	RING SET, PISTON	3							
7	1	129202-22300	PIN, PISTON D26 L70	3							
8	1	22252-000260	RING, 26	6							
9	1	729402-23100	ROD ASSY, CONNECTING	3							
13	2	121550-23200	BOLT, CONNECTING ROD	6							
14	2	129150-23601	BEARING, CRANK PIN	3							
16	1	129100-23910	BEARING, PISTON PIN	3							1
17	1	129150-23610	BEARING, 0.25 US	3							2
19	1	129005-22900	PISTON ASSY, 0.25 OS	3							3
21	2	129005-22950	RING SET, 0.25 OS	3							3

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

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

Fig.14. LUB. OIL SYSTEM



(A)=3JH5E
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-35091	PIPE ASSY, OIL INLET	1							
4	1	129417-33110	NUT	1							
5	1	129150-35042	GASKET	1							
6	1	26106-080352	BOLT, M8X 35 PLATED	2							
7	1	129508-33010	COOLER ASSY, OIL	1							
8	2	129508-33050	O-RING	1							
9	1	129006-35100	BRACKET ASSY, FILTER	1							
10	2	119802-35110	BRACKET, FILTER	1							
11	2	129417-35150	STUD, L=67	1							
12	1	129150-35111	GASKET	1							
13	1	119305-35151	FILTER ASSY, D68XL65	1							1
14	1	129006-44480	JOINT	1							
15	1	26106-080202	BOLT, M8X 20 PLATED	3							
16	1	129508-49030	PIPE ASSY, WATER	1							
17	2	171008-03990	CLIP, HOSE 18.5	1							
19	2	23080-015000	CLAMP, 15	1							
20	1	129508-49040	PIPE ASSY, WATER	1							
21	2	119940-59130	TUBE, CORRUGATED	1							
23	2	23080-015000	CLAMP, 15	1							
24	2	171008-03990	CLIP, HOSE 18.5	1							
25	1	119620-49290	COCK ASSY, 1/4	1							
28	1	124413-39100	PUMP ASSY, WASTE	1							Z
(A=EXXXXX)											
29	1	129670-39990	HOSE,OIL DRAIN 3M	1							Z
(A=EXXXXX)											
30	1	129001-32001	PUMP ASSY, OIL	1							
43	1	129150-32020	GASKET, PUMP	1							
44	1	26450-060252	BOLT, M6X 25	4							

Remarks
(1) REPAIR PART.

Fig.15. LUB. OIL PIPE

(A)=3JH5E
(B)=
(C)=

(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							
2	1	119802-39450	PIPE ASSY, OIL	1							
3	1	129005-59830	BOLT ASSY, JOINT M8	1							
4	2	22190-080002	WASHER, SEAL 6	1							
5	2	23857-030000	BOLT, JOINT 3	1							
6	1	22190-080002	WASHER, SEAL 6	1							
7	1	22190-100002	WASHER, SEAL 10	2							
8	1	26366-060002	NUT, M6	1							

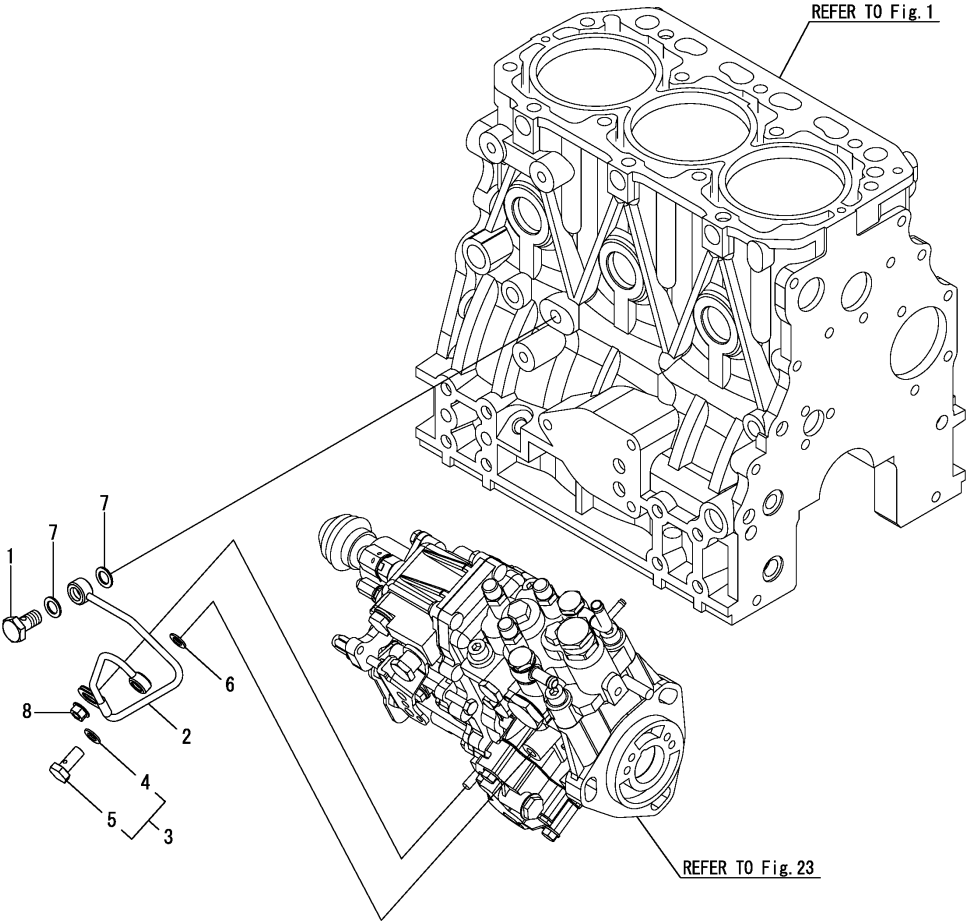
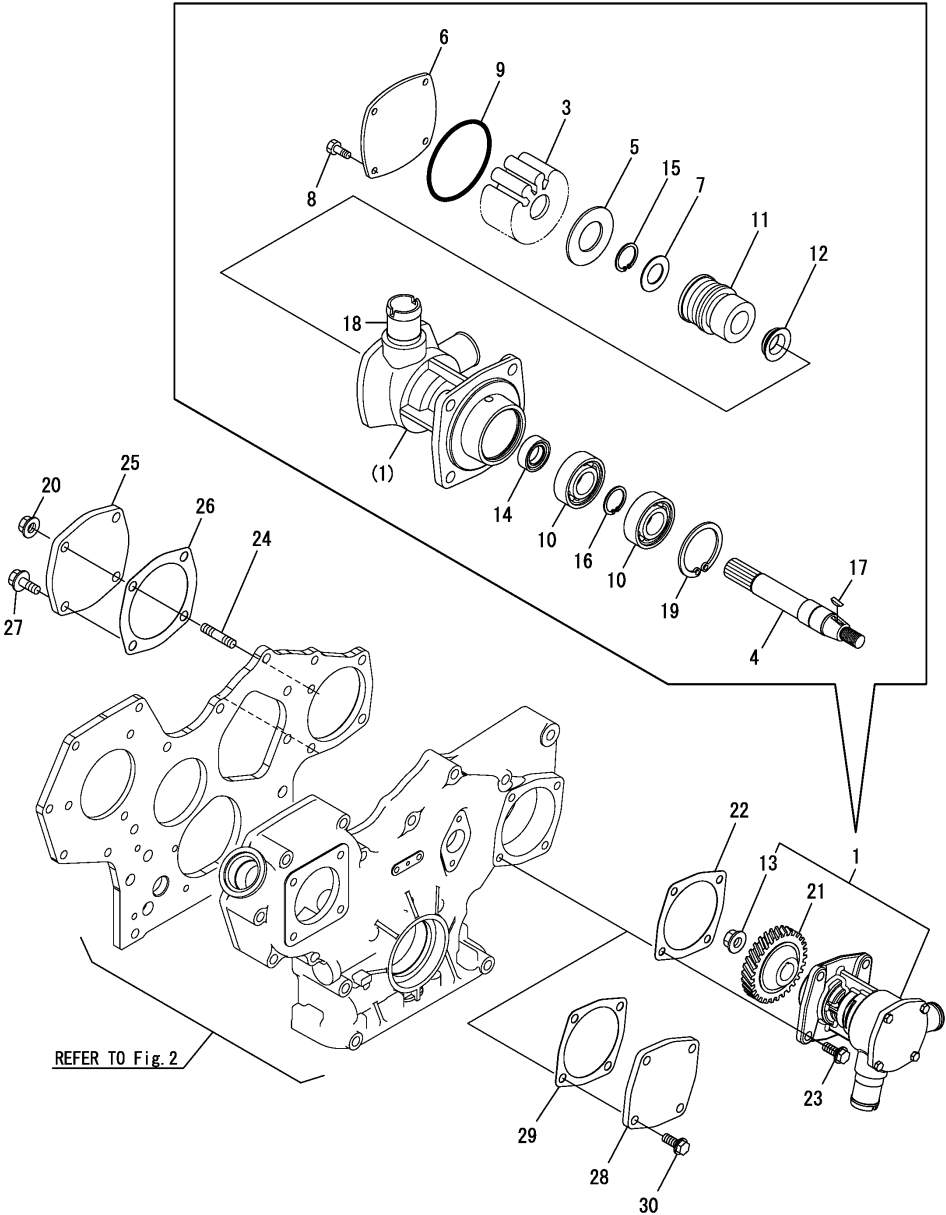
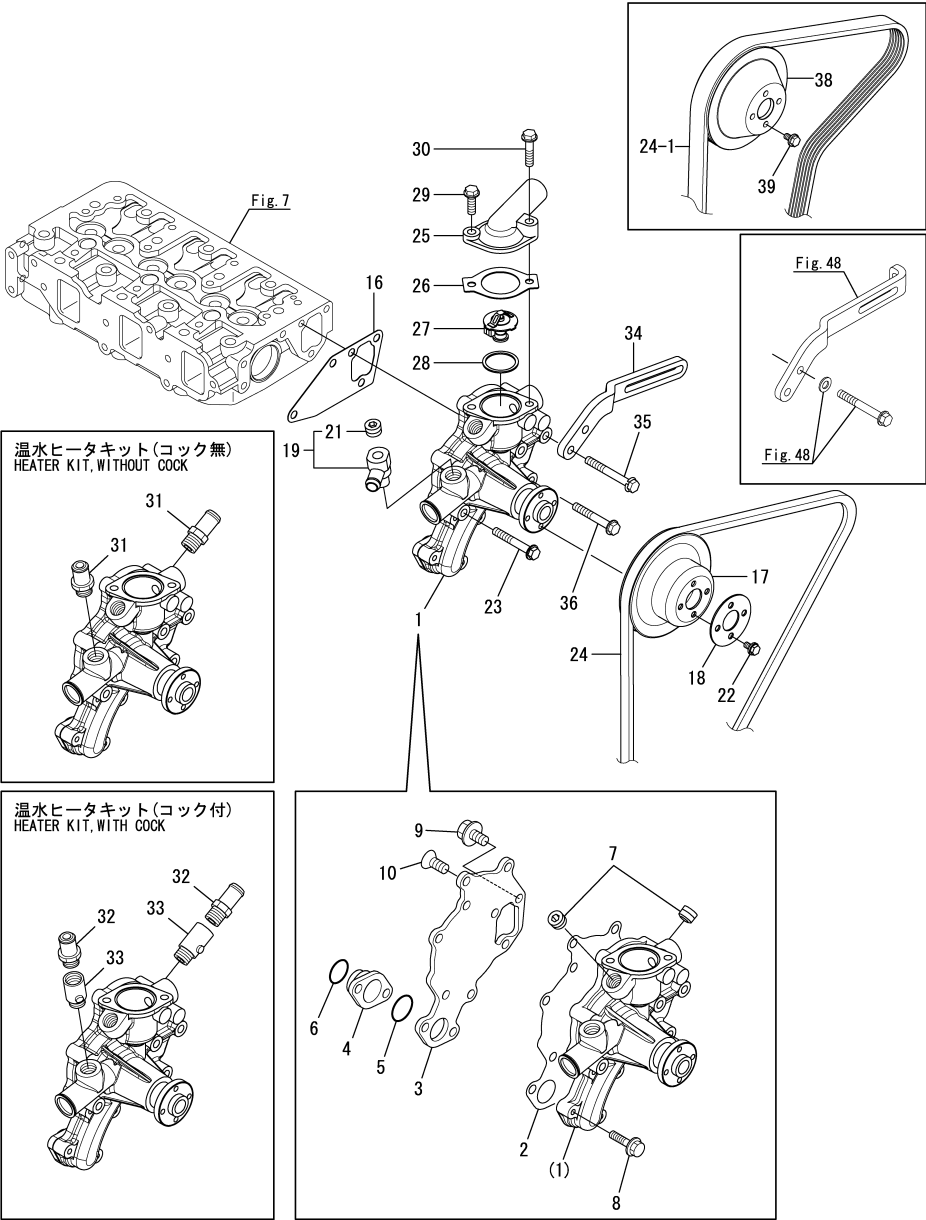


Fig.16. COOLING SEA WATER PUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-42501	PUMP ASSY, WATER	1							
3	2	129670-42531	IMPELLER	1							
4	2	X0146531	SHAFT	1							
5	2	129670-42540	PLATE	1							
6	2	129670-42520	COVER	1							
7	2	129670-42550	WASHER	1							
8	2	129271-42510	SCREW	4							
9	2	119773-42570	O-RING	1							
10	2	X03431483	BEARING	2							
11	2	129670-42560	SEAL, MECHANICAL	1							
12	2	X02230015	RING	1							
13	2	X00190001	NUT, LOCK	1							
14	2	X02233001	SEAL, LIP	1							
15	2	129670-42570	CIRCLIP	1							
16	2	X00370017	CIRCLIP	1							
17	2	129670-42580	KEY	1							
18	2	123325-49421	JOINT, PIPE	1							
19	2	X00371040	CIRCLIP	1							
20	1	26306-080002	NUT, M8	1							
21	1	129271-42700	GEAR, PUMP	1							
22	1	129150-01881	GASKET	1							
23	1	26106-080202	BOLT, M8X 20 PLATED	4							
24	1	121450-01560	STUD, M8X22	1							
25	1	124240-01871	COVER	1							
26	1	129150-01881	GASKET	1							
26-1	1	129C26-01890	GASKET, HO-P	1							R
(A=*2012.06.)											
27	1	26106-080252	BOLT, M8X 25 PLATED	3							
28	1	124240-01871	COVER	1							
29	1	129150-01881	GASKET	1							
29-1	1	129C26-01890	GASKET, HO-P	1							R
(A=*2012.06.)											
30	1	26106-080162	BOLT, M8X 16 PLATED	4							

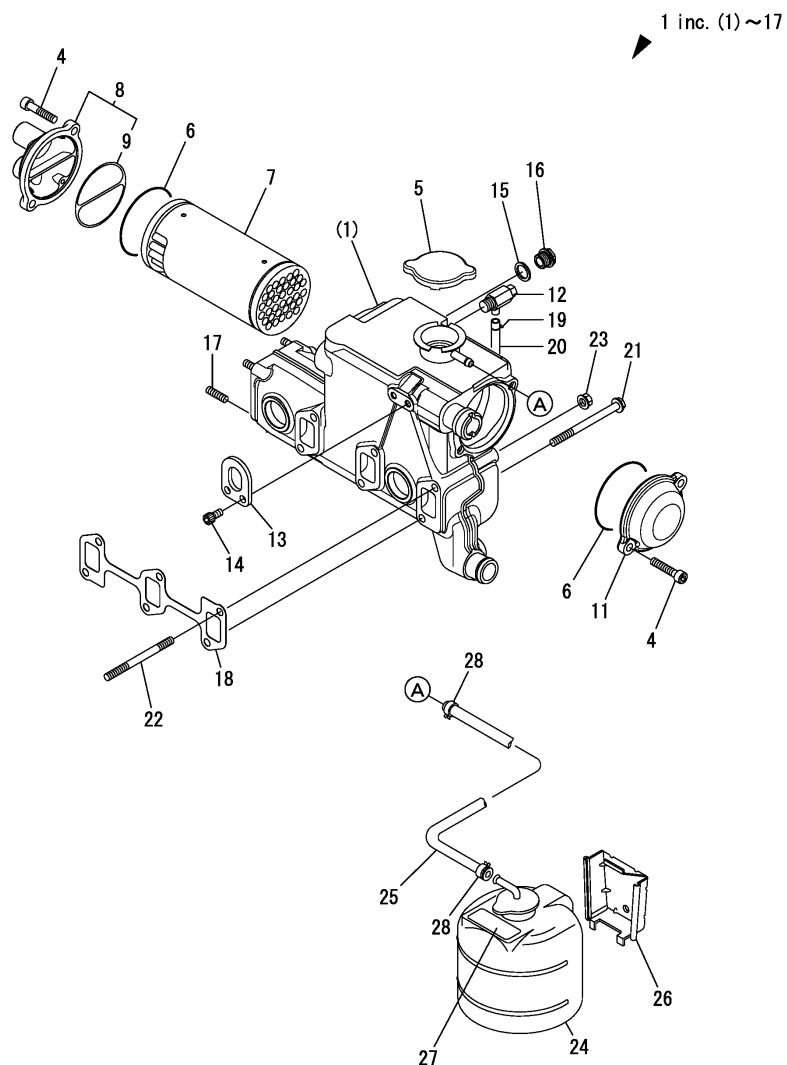
Fig.17. COOLING FRESH WATER PUMP



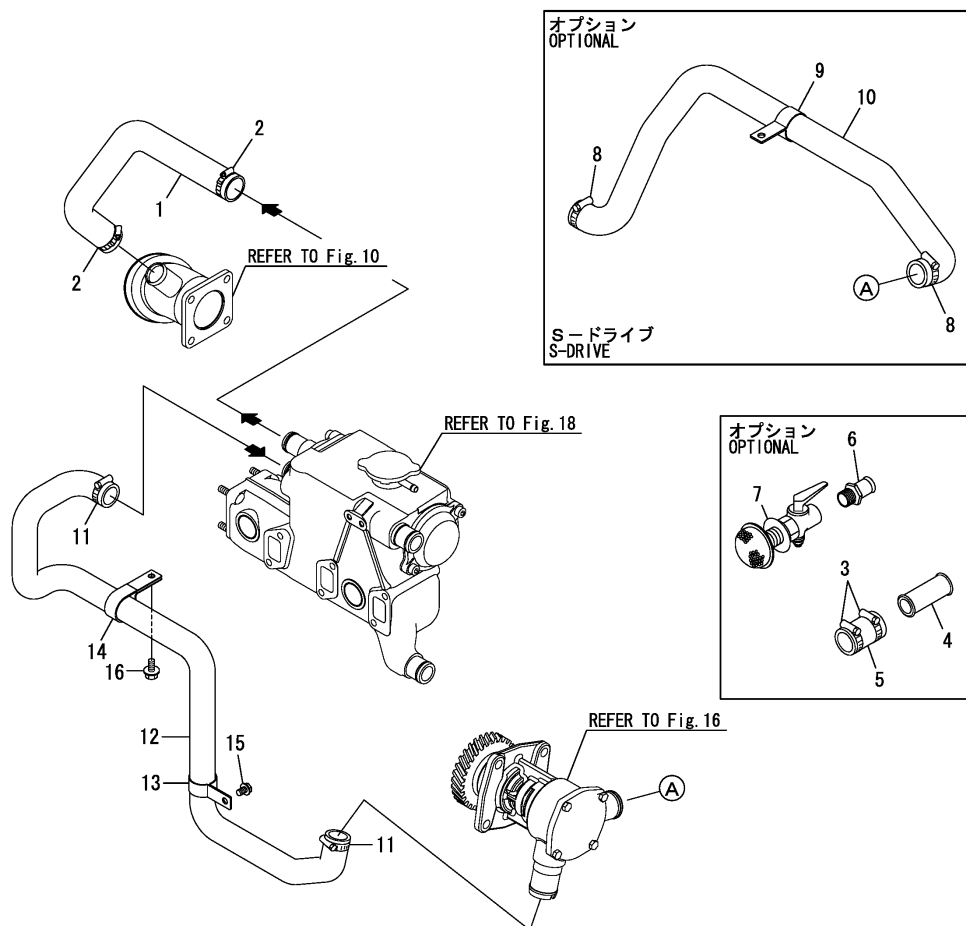
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-42001	PUMP ASSY, WATER	1							
2	2	129150-42059	GASKET	1							
3	2	129263-42120	PLATE	1							
4	2	129150-42301	FLANGE	1							
5	2	24358-240310	O-RING, 524031	1							
6	2	129054-42320	O-RING	1							
7	2	129916-49740	PLUG, R03	2							
8	2	26106-060202	BOLT, M6X 20 PLATED	2							
9	2	26116-060162	BOLT, M6X 16 PLATED	3							
10	2	26577-060142	SCREW M 6X 14	3							
16	1	129486-42050	GASKET, WATER PUMP	1							
17	1	129550-42350	V-PULLEY, D=120	1						Z	1
(A=E12749)											
18	1	129156-44760	WASHER	1						Z	1
(A=E12749)											
19	1	129270-49400	JOINT ASSY, PUMP	1							
21	2	23875-030000	PLUG, R03	1							
22	1	26106-060102	BOLT, M6X 10 PLATED	4						Z	1
(A=E12749)											
23	1	26106-080552	BOLT, M8X 55 PLATED	2							
24	1	25152-004300	V-BELT, A43	1							1
24-1	1	129271-77680	BELT,ALTERNATOR	1						S	2
(A=E12749)											
25	1	129470-49540	COVER, THERMOSTAT	1							
26	1	129795-49551	GASKET	1							
27	1	129470-49801	THERMOSTAT, 76.5	1							
28	1	129470-49810	GASKET, THERMOSTAT	1							
29	1	26106-080252	BOLT, M8X 25 PLATED	1							
30	1	26106-080352	BOLT, M8X 35 PLATED	1							
31	1	128990-49320	JOINT, 3/8	2							
32	1	128990-49320	JOINT, 3/8	2							
33	1	129670-49390	COCK ASSY,R1/4XRP3/8	2							
34	1	129495-77330	ADJUSTER, BELT	1						Z	1
(A=E12749)											
35	1	26013-080652	BOLT, M8X 65	1						Z	1
(A=E12749)											
36	1	26106-080552	BOLT, M8X 55 PLATED	1							
38	1	129271-42350	PULLEY,CW PUMP 6PK	1						W	2
(A=E12749)											
39	1	26106-060122	BOLT, M6X 12 PLATED	4						W	2
(A=E12749)											

Remarks
(1)HITACHI generator spec.
(2)Valeo generator spec.

Fig.18. COOLING FRESH WATER COOLER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129270-44910	COOLER ASSY, WATER	1							
4	2	129673-44090	BOLT, M8X40	4							
5	2	129673-44131	CAP	1							
6	2	129670-44150	O-RING, 74.5X3	2							
7	2	129270-44410	CORE ASSY, COOLER	1							
8	2	129670-44430	COVER CMP,COOLER A	1							
9	3	120322-33050	GASKET	1							
11	2	129670-44450	COVER, COOLER	1							
12	2	119620-49290	COCK ASSY, 1/4	1							
13	2	129670-07230	LIFTER	1							
14	2	26450-080162	BOLT, M8X 16	2							
15	2	23414-170000	GASKET, 17X1.0	1							
16	2	23894-030002	PLUG, G3/8	1							
17	2	129670-13600	STUD	4							
18	1	129150-13110	GASKET	1							
19	1	124460-77680	RETAINER	1							
20	1	23061-070300	PIPE, 7X 300	1							
21	1	26106-081002	BOLT, M8X100 PLATED	4							
22	1	129693-44300	STUD	2							
23	1	26306-080002	NUT, M8	2							
24	1	128397-44500	TANK ASSY, SUB	1							
25	1	129270-44501	PIPE	1							
26	1	128397-44510	BRACKET	1							
27	1	129670-44570	LABEL, SUB-TANK	1							
28	1	23010-013000	CLAMP 13	2							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129670-49150	PIPE, WATER	1							
2	1	129670-49500	CLIP, HOSE 38	2							
3	1	129670-49500	CLIP, HOSE 38	2							
4	1	129490-49070	JOINT	1							
5	1	129171-49900	JOINT, RUBBER	1							
6	1	43530-500570	JOINT, PIPE	1							
7	1	43662-025031	COCK, KINGSTON	1							
8	1	129670-49500	CLIP, HOSE 38	2							
9	1	129671-49110	RETAINER	1							
10	1	129271-49210	PIPE, WATER	1							
11	1	129670-49500	CLIP, HOSE 38	2							
12	1	129271-49040	PIPE, COOLING WATER	1							
13	1	129271-49110	RETAINER, PIPE	1							
14	1	129671-49120	RETAINER	1							
15	1	26106-080122	BOLT, M8X 12 PLATED	1							
16	1	26106-080162	BOLT, M8X 16 PLATED	1							

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129270-49210	PIPE, WATER	1							
2	1	129271-49220	PIPE, COOLING WATER	1							
3	1	129670-49500	CLIP, HOSE 38	4							
4	1 (A=“2009.06)	129271-49110	RETAINER, PIPE	1							W

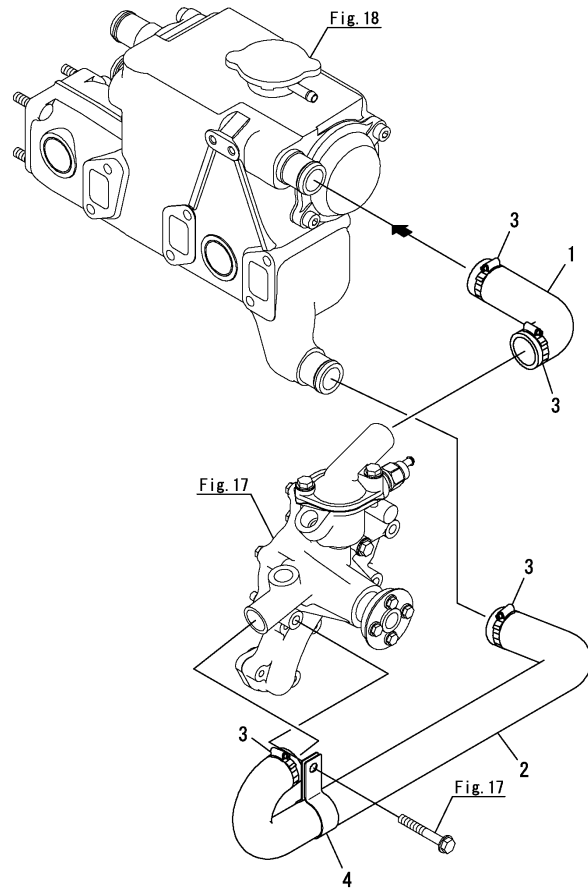
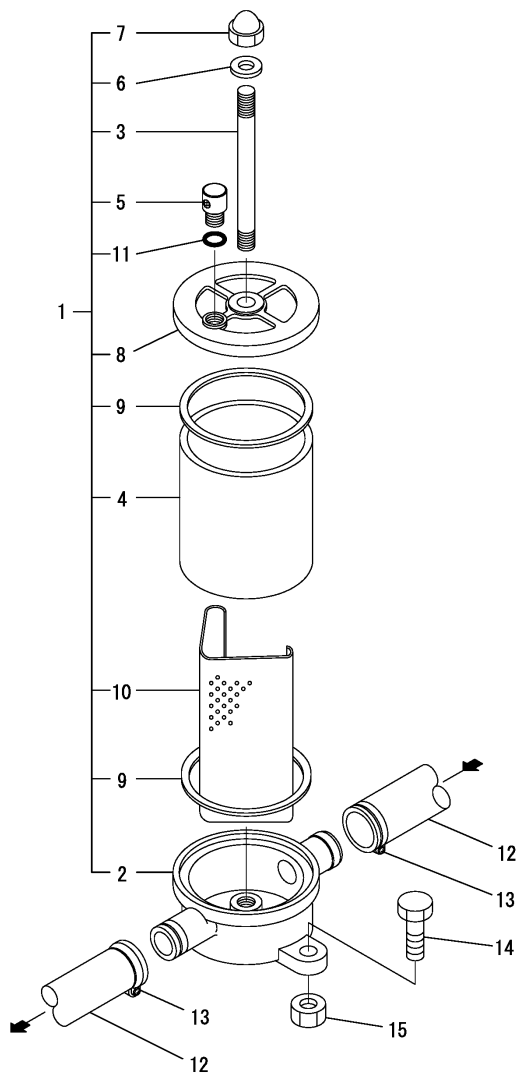
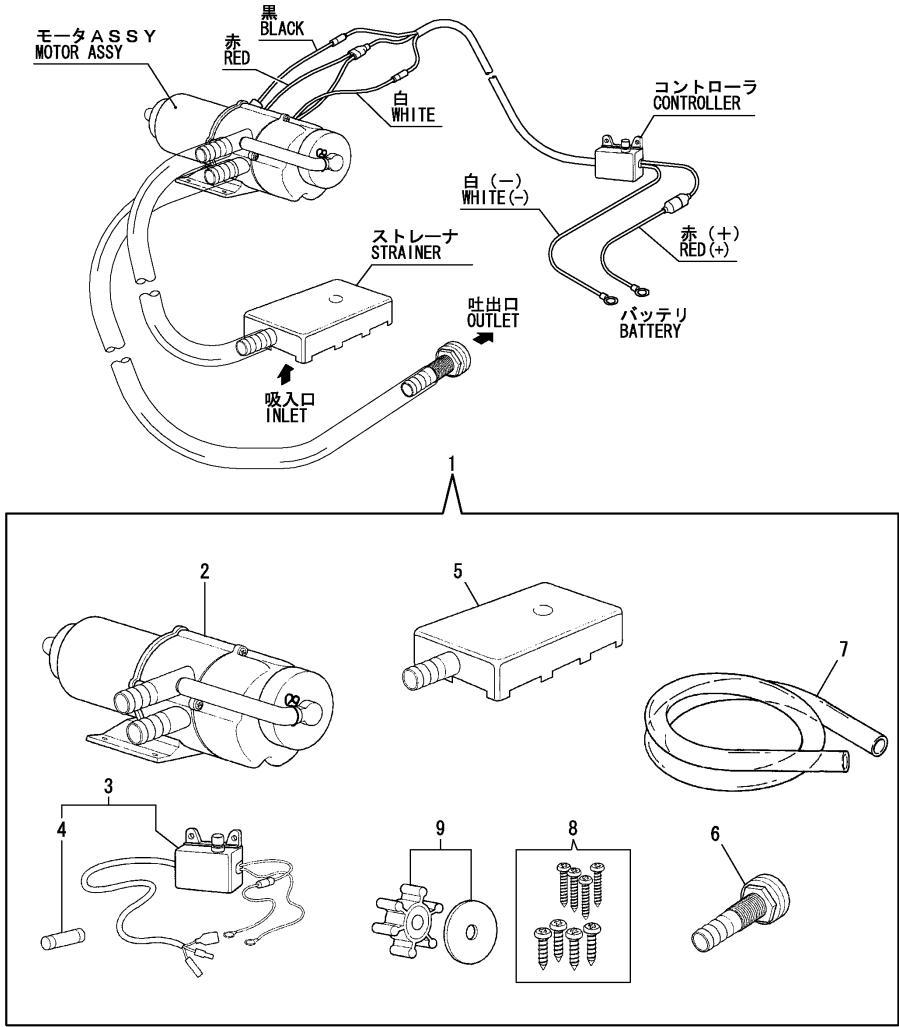


Fig.21. COOLING SEA WATER STRAINER(OPTIONAL)



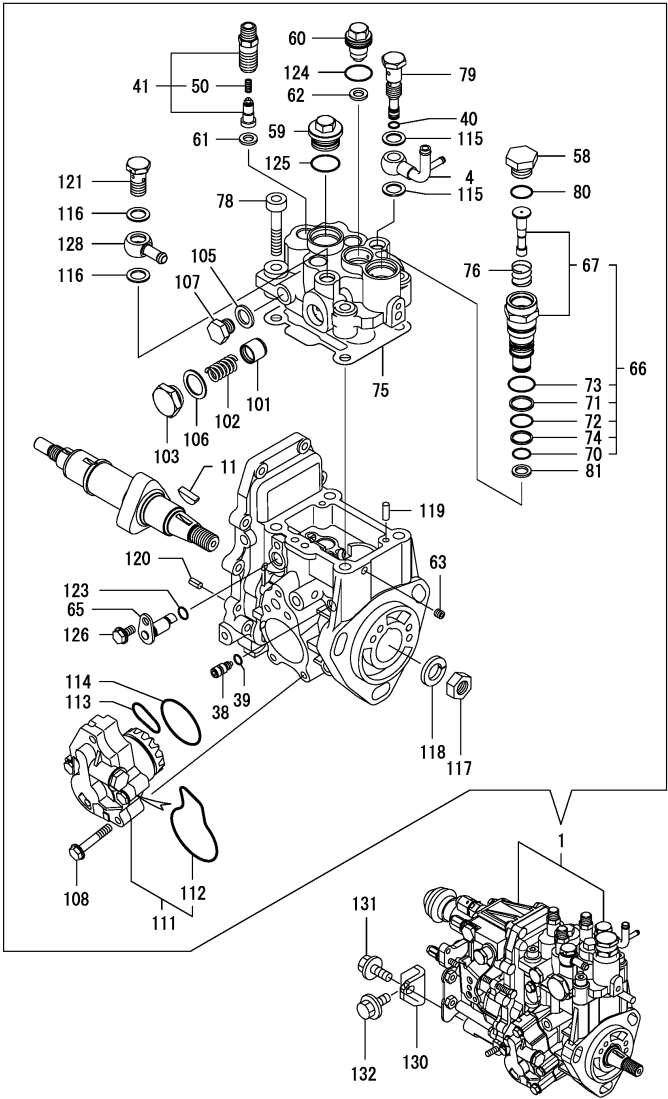
				(A)=3JH5E (B)= (C)=			(D)= (E)= (F)=				
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty (D)	(E)	(F)	I	R
1	1	129795-48800	STRAINER	1							
2	2	XTST25S001	BODY	1							
3	2	XTST25S002	BOLT M 8X125	1							
4	2	XTST25S003	PIPE, OUTER	1							
5	2	XTST25S004	PLUG M 8	1							
6	2	XTST25S005	PACKING	1							
7	2	26664-080002	NUT, CAP M8	1							
8	2	XTST25S007	COVER	1							
9	2	XTST25S008	PACKING	2							
10	2	XTST25S009	FILTER	1							
11	2	24311-000060	O-RING, 1AP6.0	1							
12	1	23072-101000	HOSE, 10X1000	1							
13	1	129670-49500	CLIP, HOSE 38	2							
14	1	26116-080302	BOLT, M8X 30 PLATED	2							
15	1	26703-080002	NUT, M8	2							

Fig.22. BILGE PUMP(OPTIONAL)



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

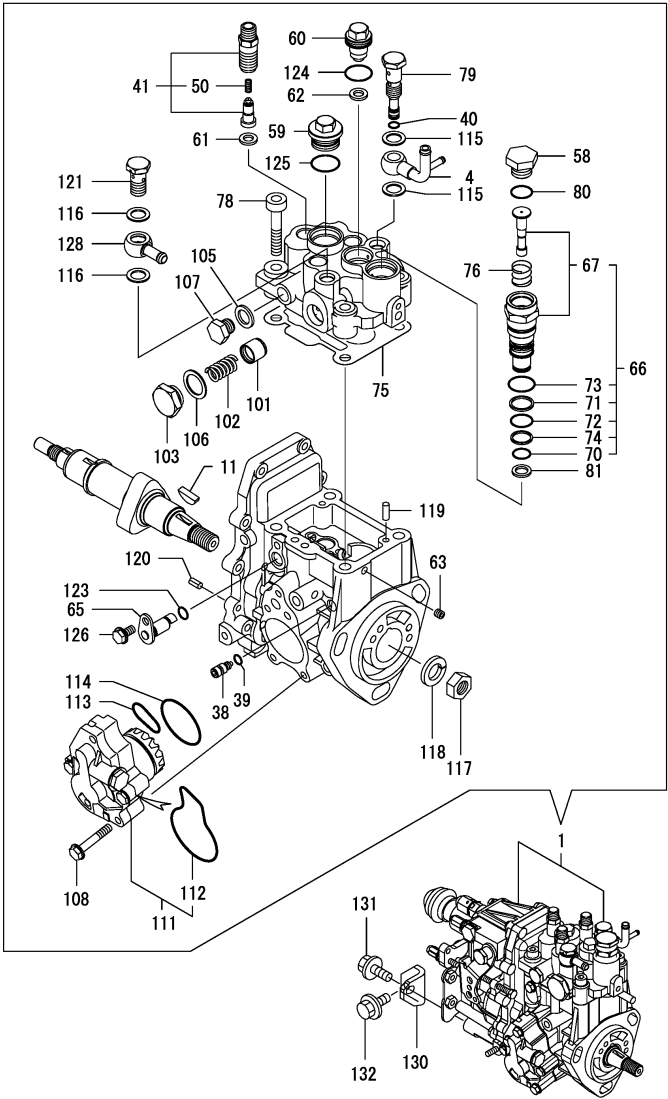
Fig.23. FUEL INJECTION PUMP



Remarks
(1)GOVERNOR ASSY(FIG.24)IS
INCORPORATED IN THIS
FUEL INJECTION PUMP(REF.NO.1)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729271-51300	PUMP ASSY, INJECTION	1							1
4	2	158552-51670	JOINT, OVER FLOW	1							
11	2	119802-51090	KEY, 4X16	1							
38	2	158600-51270	STOPPER, TAPPET	1							
39	2	158563-51281	O-RING, 4D S6	1							
40	2	158563-51281	O-RING, 4D S6	1							
41	2	129009-51390	VALVE ASSY, DELIVERY	3							
50	3	158563-51330	SPRING, DELIVERY	3							
58	2	129670-51600	PLUG	1							
59	2	158601-51550	PLUG	1							
60	2	119802-51560	PLUG, BARREL	1							
61	2	158552-51571	GASKET	3							
62	2	158552-51571	GASKET	1							
63	2	158557-51570	PLUG	1							
65	2	158552-51580	LIFTER	1							
66	2	119802-51590	TIMER SET	1							
67	3	119802-51600	TIMER ASSY	1							
70	3	158553-51670	O-RING, 1011	1							
71	3	119802-51680	RING, BACK UP	1							
72	3	119802-51690	O-RING	1							
73	3	24356-010200	O-RING, 4D1020	1							
74	3	24372-000150	RING, BACK UP T2P15	1							
75	2	158552-51600	GASKET	1							
76	2	158553-51630	SPRING, TIMER	1							
78	2	26450-080452	BOLT, M8X 45	4							
79	2	158601-51650	JOINT, OVER FLOW	1							
80	2	158553-51660	O-RING, P14	1							
81	2	158553-51680	GASKET	1							
101	2	158601-51770	PISTON	1							
102	2	158552-51781	SPRING	1							
103	2	158601-51790	PLUG	1							
105	2	22190-120002	WASHER, SEAL 12	1							
106	2	22190-180002	WASHER, SEAL 18	1							
107	2	23887-120002	PLUG, 12	1							
108	2	158553-51770	BOLT	4							
111	2	158552-52100	PUMP ASSY, FUEL FEED	1							
112	3	158552-52500	O-RING	1							
113	2	158552-52310	O-RING	1							
114	2	158552-52400	O-RING, 4E S42	1							
115	2	22190-120002	WASHER, SEAL 12	2							
116	2	22190-120002	WASHER, SEAL 12	2							
117	2	26776-140002	NUT, LOCK M14	1							
118	2	22217-140000	WASHER, SPRING 14	1							
119	2	22312-050140	PIN, PARALLEL M5X14	2							
120	2	22351-050010	PIN, SPRING 5.0X10	2							
121	2	23857-060000	BOLT, JOINT 6	1							
123	2	24311-000070	O-RING, 1AP7.0	1							
124	2	24356-010180	O-RING, 4D1018	1							
125	2	24356-010200	O-RING, 4D1020	1							
126	2	26106-060102	BOLT, M6X 10 PLATED	1							
128	2	129916-59020	JOINT, PIPE 12	1							

Fig.23. FUEL INJECTION PUMP



Remarks
(1)GOVERNOR ASSY(FIG.24)IS
INCORPORATED IN THIS
FUEL INJECTION PUMP(REF.NO.1)

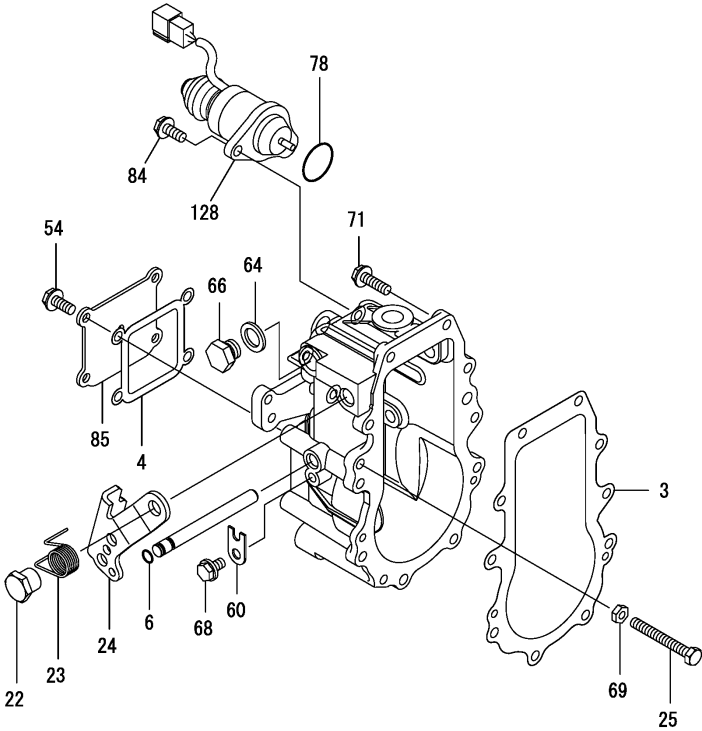
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(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
130	1	119802-51250	RETAINER, PUMP	1							
131	1	26106-080162	BOLT, M8X 16 PLATED	1							
132	1	26106-080202	BOLT, M8X 20 PLATED	1							

Fig.24. GOVERNOR

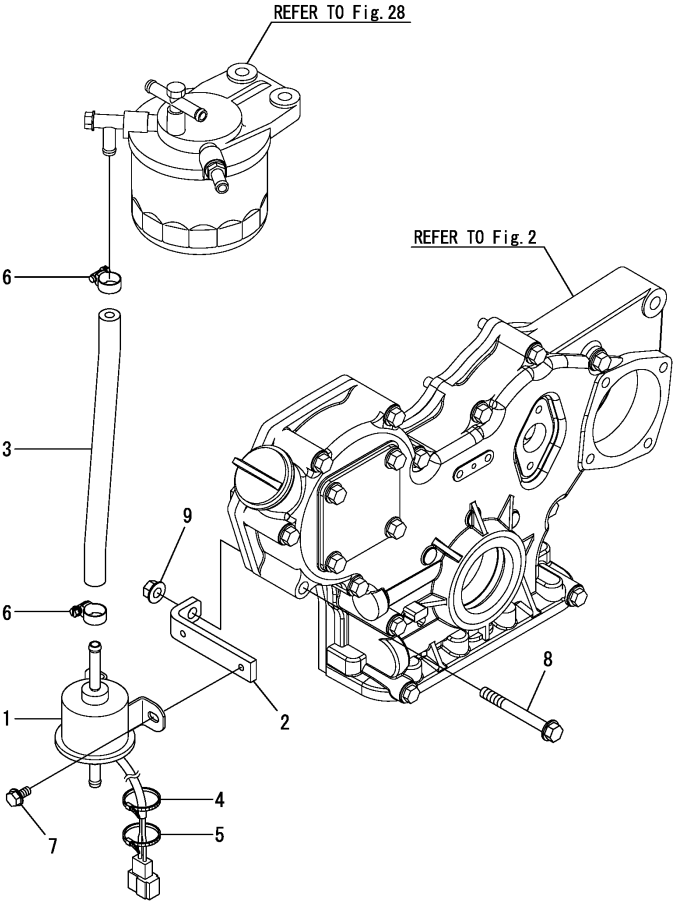
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(C)=

(D)=
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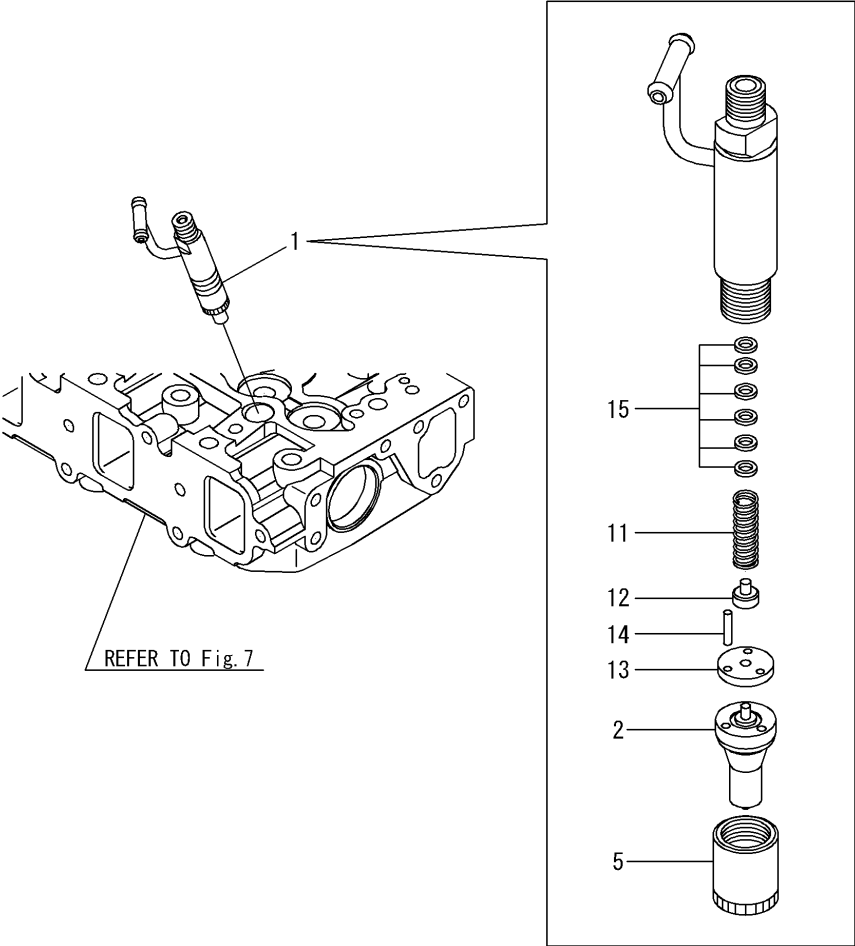
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	2	158553-61050	GASKET	1							
4	2	158553-61070	GASKET	1							
6	2	129155-51280	O-RING, S6	1							
22	2	129255-61410	NUT, LOCK	1							
23	2	119807-61420	SPRING, RETURN	1							
24	2	158552-61441	LEVER, REGULATOR	1							
25	2	129155-61460	BOLT, IDLE	1							
54	2	26106-060142	BOLT, M6X 14 PLATED	4							
60	2	119660-61901	RETAINER, SHAFT	1							
64	2	22190-120002	WASHER, SEAL 12	1							
66	2	23887-120002	PLUG, 12	1							
68	2	26106-060102	BOLT, M6X 10 PLATED	1							
69	2	26756-060002	NUT, LOCK M6	1							
71	2	26106-060202	BOLT, M6X 20 PLATED	10							
78	2	158552-61900	O-RING	1							
84	2	26106-060142	BOLT, M6X 14 PLATED	2							
85	2	129642-61060	COVER, GOVERNOR CASE	1							
128	2	129271-77950	SOLENOID, STOP	1							

Fig.25. FUEL FEED PUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119225-52102	PUMP ASSY, FUEL FEED	1							
2	1	129670-55010	BRACKET, PUMP	1							
3	1	129670-59110	PIPE, FUEL	1							
4	1	121750-59890	BAND, 140	1							
5	1	121750-59890	BAND, 140	1							
6	1	23000-013000	CLAMP, 13	2							
7	1	26106-060122	BOLT, M6X 12 PLATED	2							
8	1	26106-080702	BOLT, M8X 70 PLATED	1							
9	1	26306-080002	NUT, M8	1							

Fig.26. FUEL INJECTION VALVE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729271-53100	VALVE ASSY,INJECTION	3							
2	2	129008-53000	VALVE ASSY,INJECTION	3							
5	2	114250-53080	NUT, NOZZLE D16.95	3							
11	2	114250-53120	SPRING, NOZZLE	3							
12	2	114250-53130	SEAT, SPRING	3							
13	2	114250-53140	PLATE	3							
14	2	114250-53210	PIN	6							
15	2	119803-53400	SHIM SET	3							

Fig.27. FUEL INJECTION PIPE

(A)=3JH5E
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-59120	RETAINER, PIPE	1							
4	2	129150-59131	BOLT, M4X14	2							
6	1	129271-59960	PIPE ASSY, INJECTION	1							
7	1	129271-59970	PIPE ASSY, INJECTION	1							
8	1	129271-59980	PIPE ASSY, INJECTION	1							

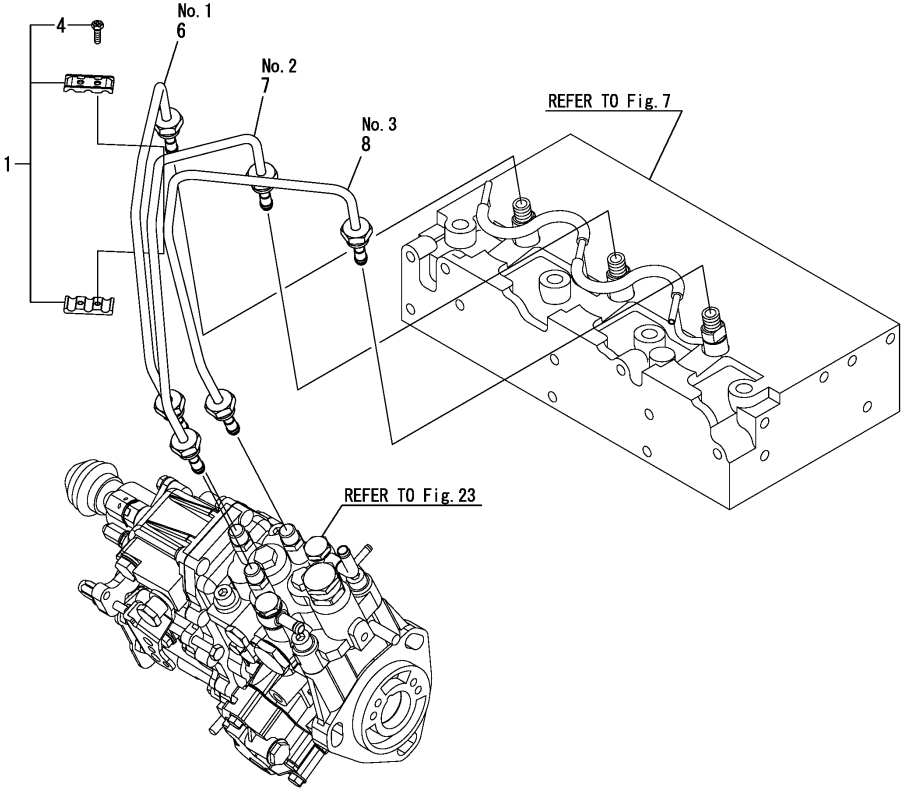
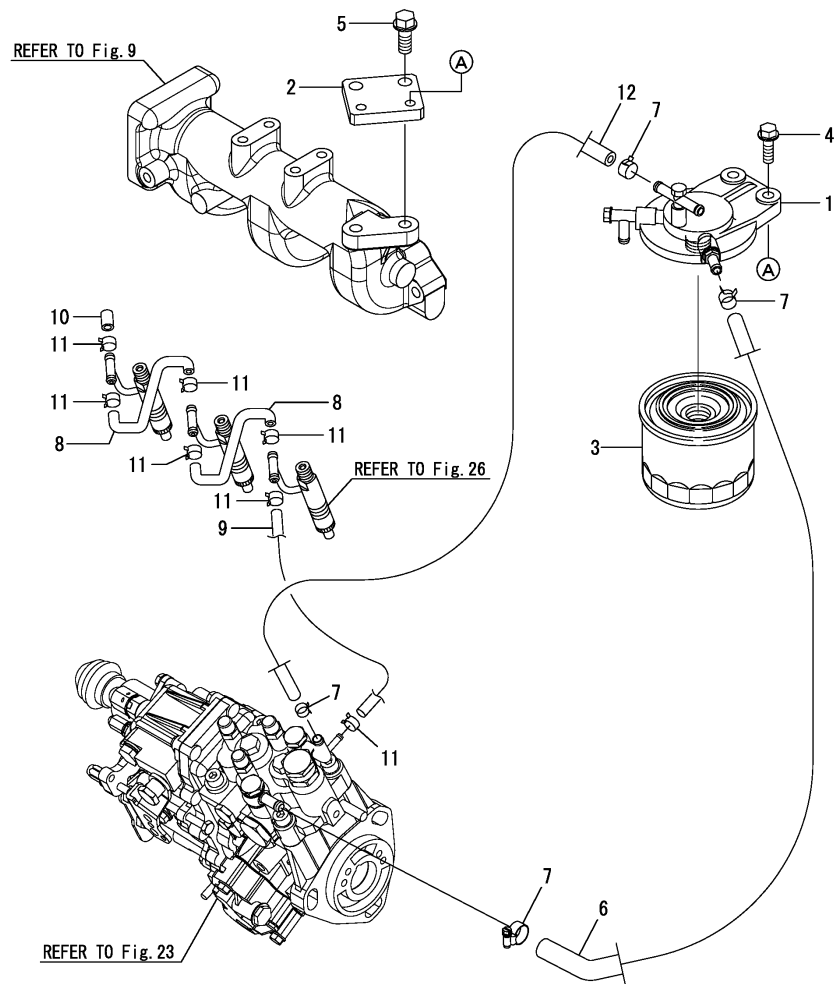


Fig.28. FUEL PIPE & FUEL STRAINER

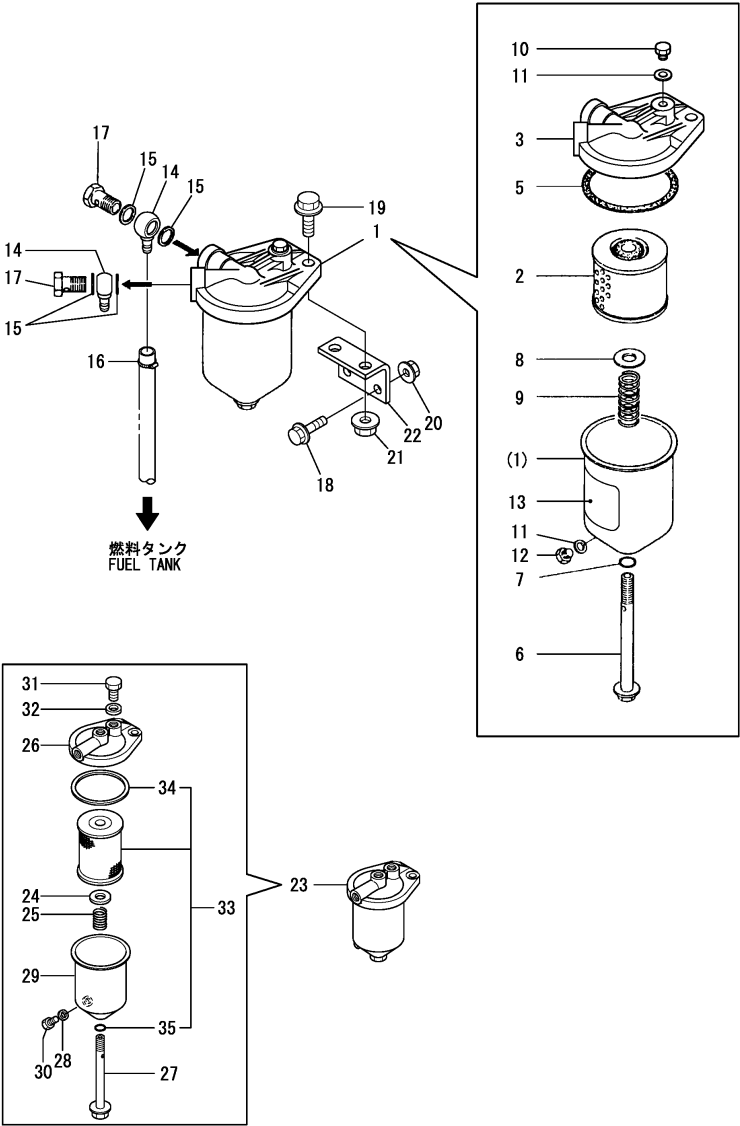


No.	Lev.	Parts No.	Description	(A)=3JH5E	(D)=	I	R
				(B)= (C)=	(E)= (F)=		
				Q'ty			
				(A)	(B)	(C)	(D)
1	1	129004-55612	BRACKET, FILTER	1			
2	1	129271-55670	BRACKET, FILTER	1			
3	1	119802-55801	FILTER, FUEL	1			
4	1	26106-080252	BOLT, M8X 25 PLATED	2			
5	1	26106-100252	BOLT, M10X 25 PLATED	2			
6	1	129670-59150	PIPE, FUEL	1			
7	1	23000-016000	CLAMP, 16	4			
8	1	129270-59550	PIPE, FUEL	3			
9	1	129470-59562	PIPE, FUEL	1			
10	1	129270-59580	CAP	1			
11	1	23000-013000	CLAMP, 13	9			
12	1	129670-59140	PIPE, FUEL OIL	1			

Fig.29. OIL/WATER SEPARATER

(A)=3JH5E
(B)=
(C)=

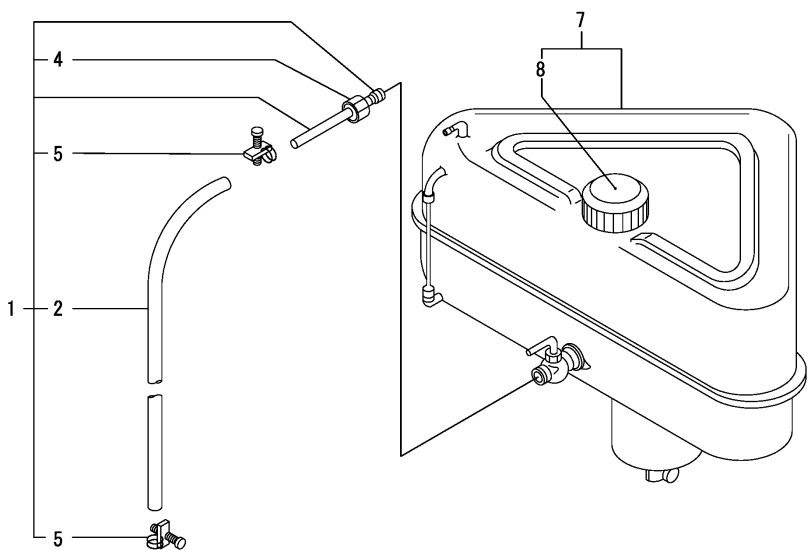
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120324-55751	SEPARATOR ASSY	1						Z	1
(A=EXXXXX)											
2	2	120324-55760	ELEMENT	1							
3	2	X2740134002	COVER ASSY	1							
5	2	X0582810173	GASKET	1							
6	2	X0311121522	BOLT	1							
7	2	X0580121073	O-RING, 1A P 12.0	1							
8	2	X0300120414	SEAT, SPRING	1							
9	2	X0600160122	SPRING	1							
10	2	X0314080110	PLUG	1							
11	2	X0588080273	WASHER	2							
12	2	X0313080922	BOLT	1							
13	2	X0993071171	LABEL, CAUTION	1							
14	1	121750-59910	JOINT	2							
15	1	22190-140002	WASHER, SEAL 14	4							
16	1	23000-013000	CLAMP, 13	2							
17	1	23857-080000	BOLT, JOINT 8	2							
18	1	26106-080302	BOLT, M8X 30 PLATED	2							
19	1	26106-100302	BOLT, M10X 30 PLATED	2							
20	1	26306-080002	NUT, M8	2							
21	1	26306-100002	NUT, M10	2							
22	1	129670-55810	BRACKET	1							
23	1	129670-55750	SEPARATOR ASSY	1							W
(A=EXXXXX)											
24	2	123325-35160	WASHER	1							
25	2	123325-35170	SPRING	1							
26	2	129495-55610	BODY, STRAINER	1							
27	2	129495-55620	BOLT	1							
28	2	123672-55760	GASKET	1							
29	2	129065-55760	CASE	1							
30	2	129065-55770	PLUG, DRAIN M8	1							
31	2	129065-55800	PLUG, M14	1							
32	2	123678-55890	GASKET	1							
33	2	41650-502320	ELEMENT ASSY(D72XL90	1							
34	3	123325-35140	GASKET	1							
35	3	24311-000120	O-RING, 1AP12.0	1							

Remarks
(1)Interchangeability is <N> with
No.23.

Fig.30. FUEL TANK(OPTIONAL)



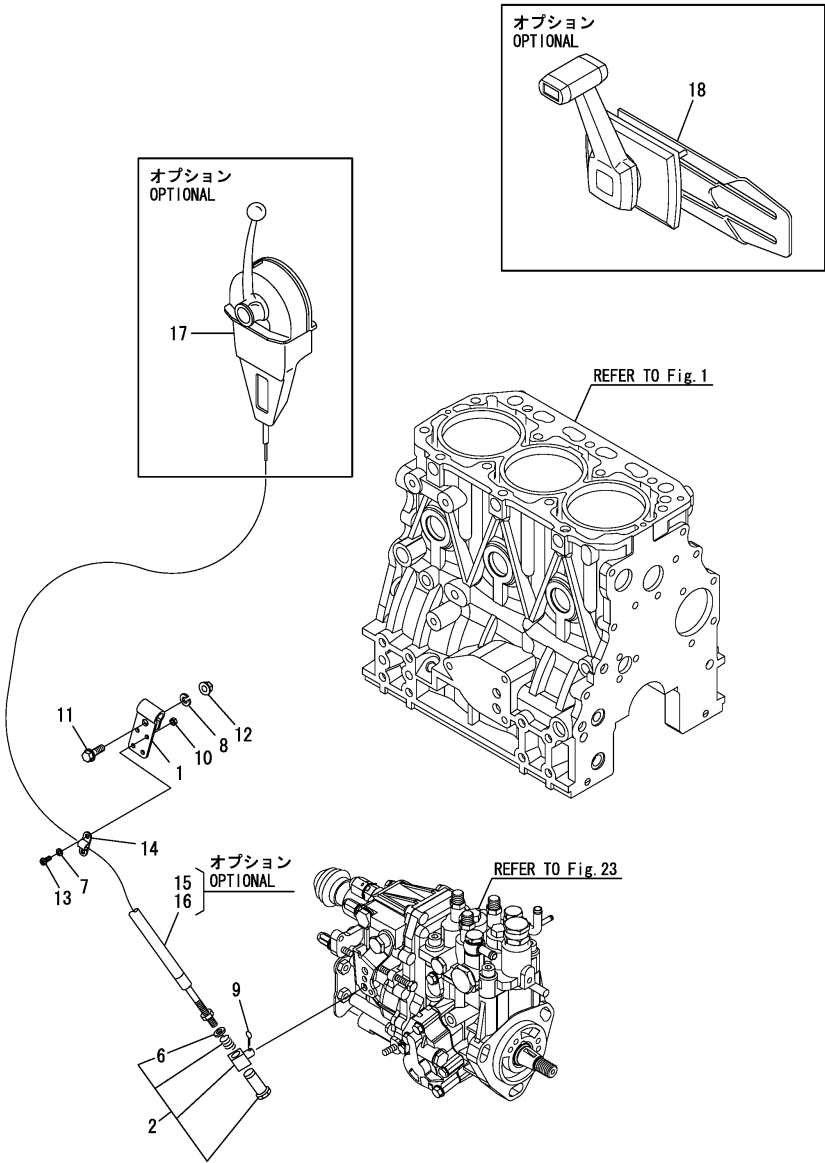
				(A)=3JH5E (B)= (C)=	(D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	(A)	(B)	Q'ty (C)	(D)	(E)	(F)	I	R
1	1	128990-59700	PIPE ASSY, FUEL	1							
2	2	128990-59131	PIPE, FUEL	1							
4	2	138603-59380	CAP NUT	1							
5	2	23010-014000	CLAMP, 14	2							
7	1	83213-003012	TANK ASSY, FUEL OIL	1							
8	2	105430-55041	CAP ASSY	1							

Fig.31. CABLE SUPPORT

(A)=3JH5E
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129670-67110	BRACKET	1							
2	1	129470-67200	RETAINER ASSY	1							
6	2	22242-000100	RING, 10	1							
7	1	22217-050000	WASHER, SPRING 5	2							
8	1	22217-080000	WASHER, SPRING 8	2							
9	1	22414-250150	PIN, COTTER 2.5X15	1							
10	1	26716-050002	NUT, M5	2							
11	1	26106-080252	BOLT, M8X 25 PLATED	1							
12	1	26306-080002	NUT, M8	1							
13	1	26557-050122	SCREW, M5X12	2							
14	1	41710-000410	CLAMP	1							
15	1	41710-000380	CABLE L=4000	2							1
16	1	129470-86500	CABLE, L=7000	2							1
17	1	41730-000681	MT-3 REMO-CON	1							1
18	1	128170-86501	REMOCON HEAD (MN	1							1



Remarks
(1)OPTIONAL

Fig.32. CLUTCH

(A)=3JH5E
(B)=
(C)=

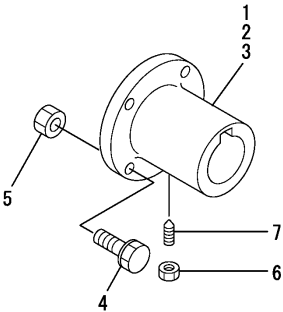
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129270-81120	CLUTCH ASSY, I=2.61	1							
2	1	129270-81110	CLUTCH ASSY, 2.36	1							
3	1	129270-81170	CLUTCH ASSY, 2.33	1							
4	1	129270-81180	CLUTCH ASSY, I=2.64	1							
5	1	129670-77800	CLUTCH ASSY	1							
6	1	129670-77810	CLUTCH ASSY	1							
7	1	129670-77820	CLUTCH ASSY	1							
8	1	129670-77830	CLUTCH ASSY	1							
9	1	129670-13600	STUD	2							
10	1	26106-080202	BOLT, M8X 20 PLATED	6							
11	1	26306-080002	NUT, M8	2							

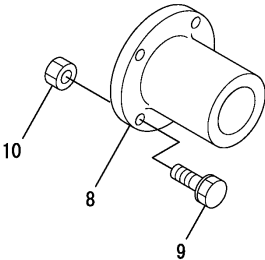
Remarks
THIS FIGURE ARE NOT ILLUSTRATED.

Fig.33. COUPLING(OPTIONAL)

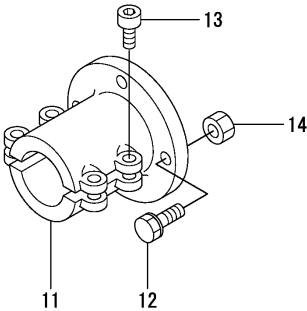
テーパカップリング
TAPER COUPLING



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

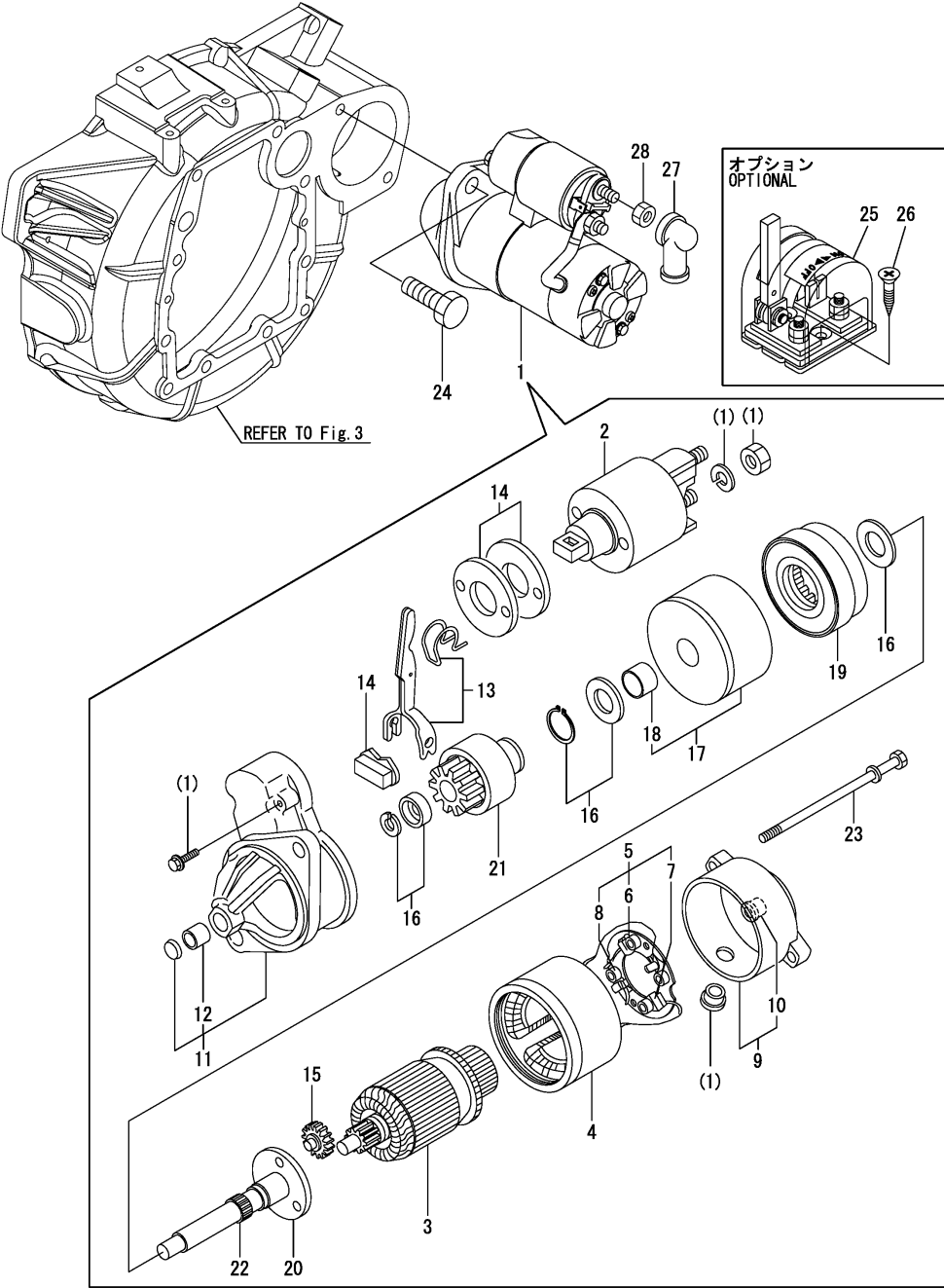


(A)=3JH5E
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	48110-032502	COUPLING, 30	1							
2	1	129171-85900	COUPLING, TAPER 32	1							
3	1	129670-85900	COUPLING, TAPER 34	1							
4	1	26106-100322	BOLT, M10X 32 PLATED	4							
5	1	26706-100002	NUT, M10	4							
6	1	26756-080002	NUT, LOCK M8	1							
7	1	48110-032411	SCREW	1							
8	1	105583-85900	COUPLING, 22	1							
9	1	26106-100322	BOLT, M10X 32 PLATED	4							
10	1	26706-100002	NUT, M10	4							
11	1	104214-83980	COUPLING	1							
12	1	26106-100322	BOLT, M10X 32 PLATED	4							
13	1	26450-080302	BOLT, M8X 30	4							
14	1	26706-100002	NUT, M10	4							

Fig.34. STARTING MOTOR

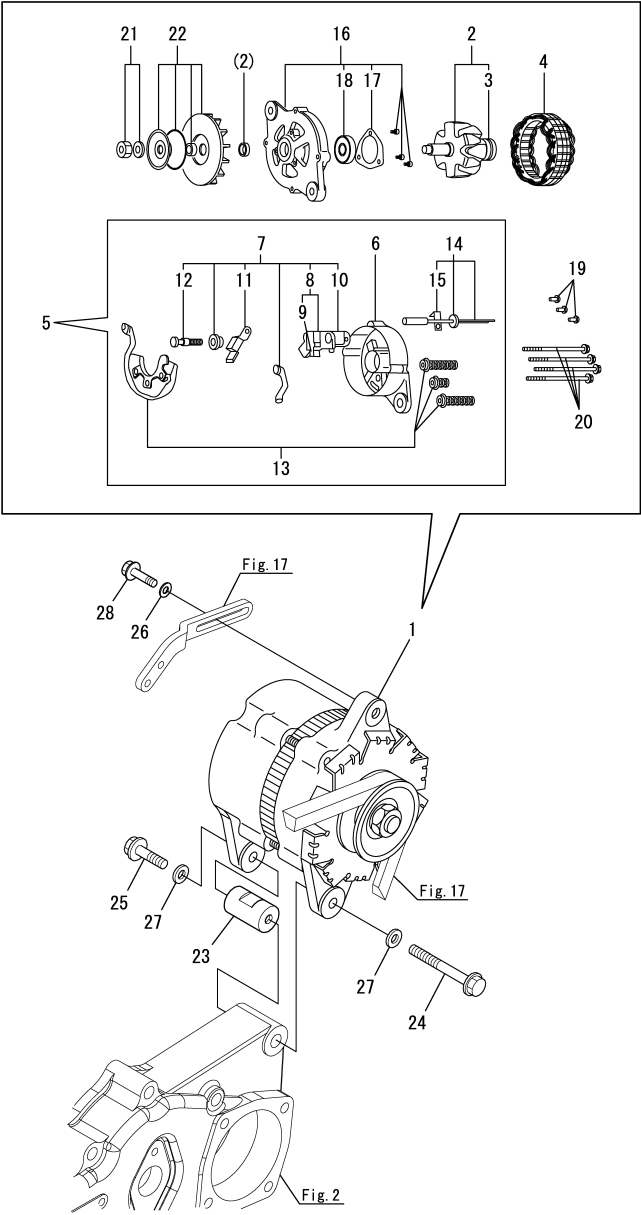


(A)=3JH5E
(B)=
(C)=

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

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

Fig.35. GENERATOR(12V-80A)(HITACHI: TO E12748)



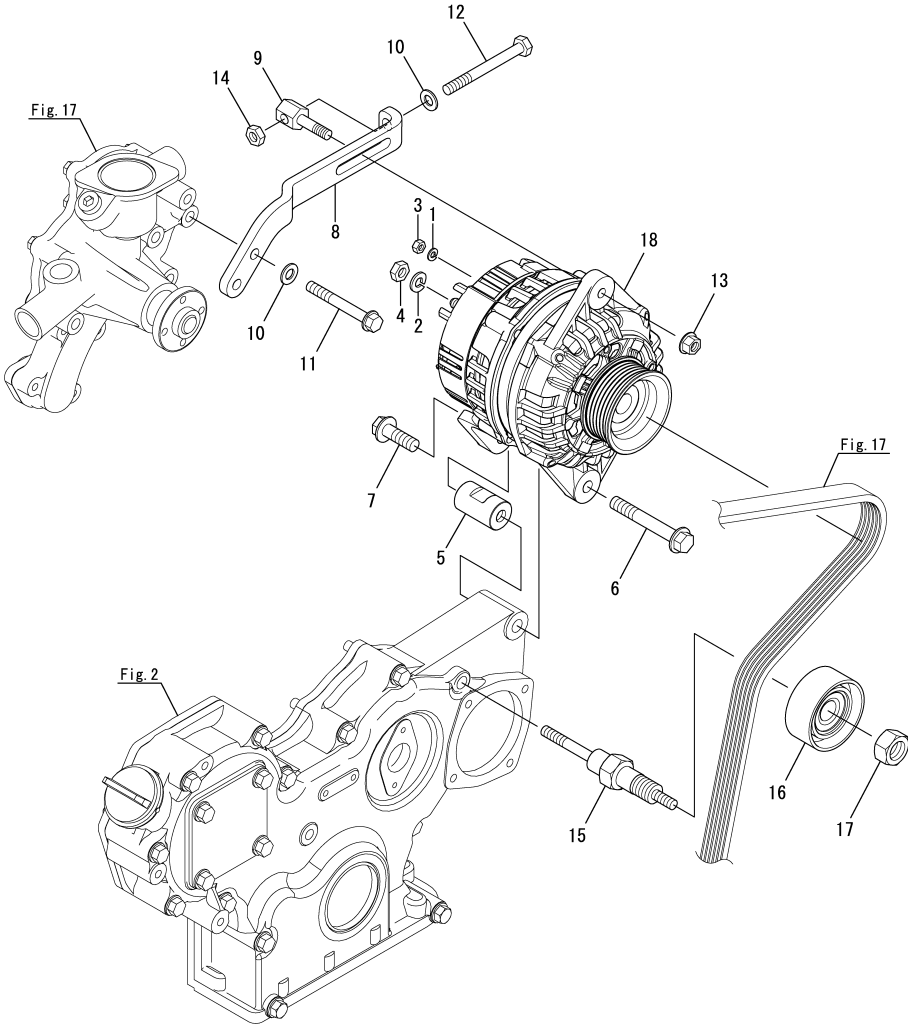
(A)=3JH5E
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119573-77201 (A=E12749)	ALTERNATER(12V-80A	1						Z	
2	2	XL180G61000	ROTOR ASSY	1							
3	3	119129-77320	BEARING, BALL	1							
4	2	XL180120000	STATOR ASSY	1							
5	2	XL180G63006	COVER ASSY, REAR	1							
6	3	XL180G13012	COVER, REAR	1							
7	3	XL180G43150	BRUSH ASSY,REGULATOR	1							
8	4	XL155G1330	BRUSH ASSY	1							
9	5	XL225G1325	BRUSH SET	2							
10	4	124080-77390	REGULATOR ASSY	1							
11	4	XL225431800	CONDENSER ASSY	1							
12	4	124080-77520	BOLT M5	2							
13	3	XL1808320	DIODE ASY	1							
14	3	119129-77250	WIRE, LEAD	1							
15	4	119129-77260	CLAMP	1							
16	2	XL235340110	COVER ASSY, FRONT	1							
17	3	XL150M14041	RETAINER	1							
18	3	X6303BM0000	BEARING, BALL	1							
19	2	119129-77930	SCREW KIT	1							
20	2	119129-77890	BOLT, THROUGH	4							
21	2	119129-77900	NUT ASSY, PULLEY	1							
22	2	XL180G85001	PULLEY ASSY	1							
23	1	129670-77350	PIECE	1							
24	1	129670-77370	BOLT 10X 70	1							
25	1	129670-77380	BOLT 10X 30	1							
26	1	22137-080000	WASHER, 8	1							
27	1	22137-100000	WASHER, 10	2							
28	1	26106-080252	BOLT, M8X 25 PLATED	1							

Remarks
*This item is applicable to [(A)=E12748] or previous machines.
Refer to Fig.48.

Fig.48. (35A)GENERATOR(12V-120A)(VALEO: FROM E12749)



(A)=3JH5E
(B)=
(C)=

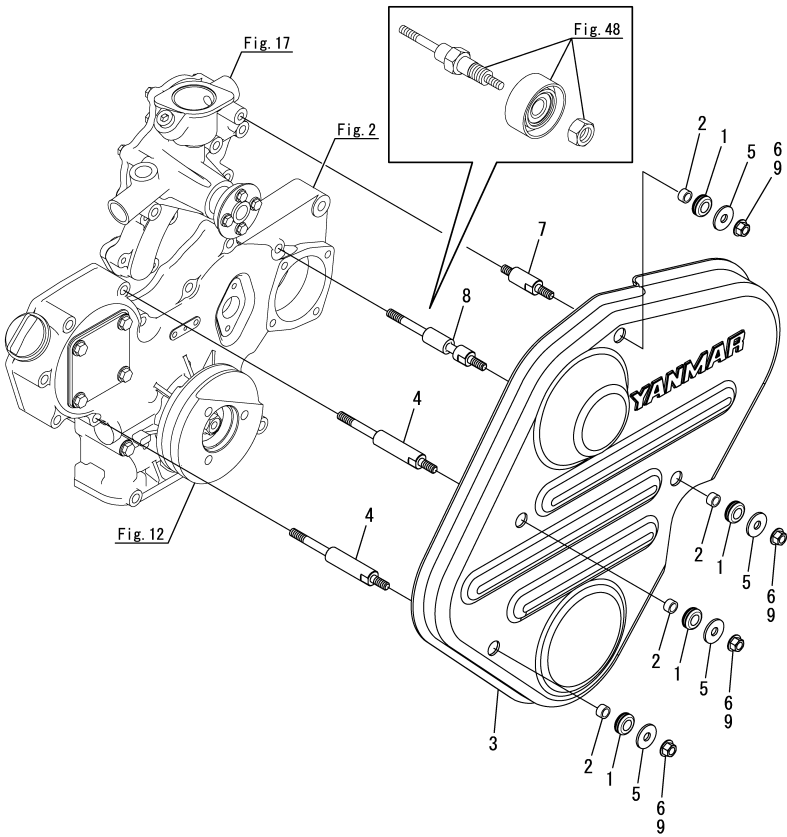
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
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	129271-77651	BOLT,IDLER BELT	1							
16	1	129271-77660	IDLER ASSY,BELT 25.5	1							
17	1	26716-160002	NUT, M16	1							
18	1	128990-77250	ALTERNATOR,12V-120A	1							W

(A=E12749)

Remarks
*This item is applicable to [(A)=E12749] or following machines.
Refer to Fig.35.

Fig.36. V-BELT COVER



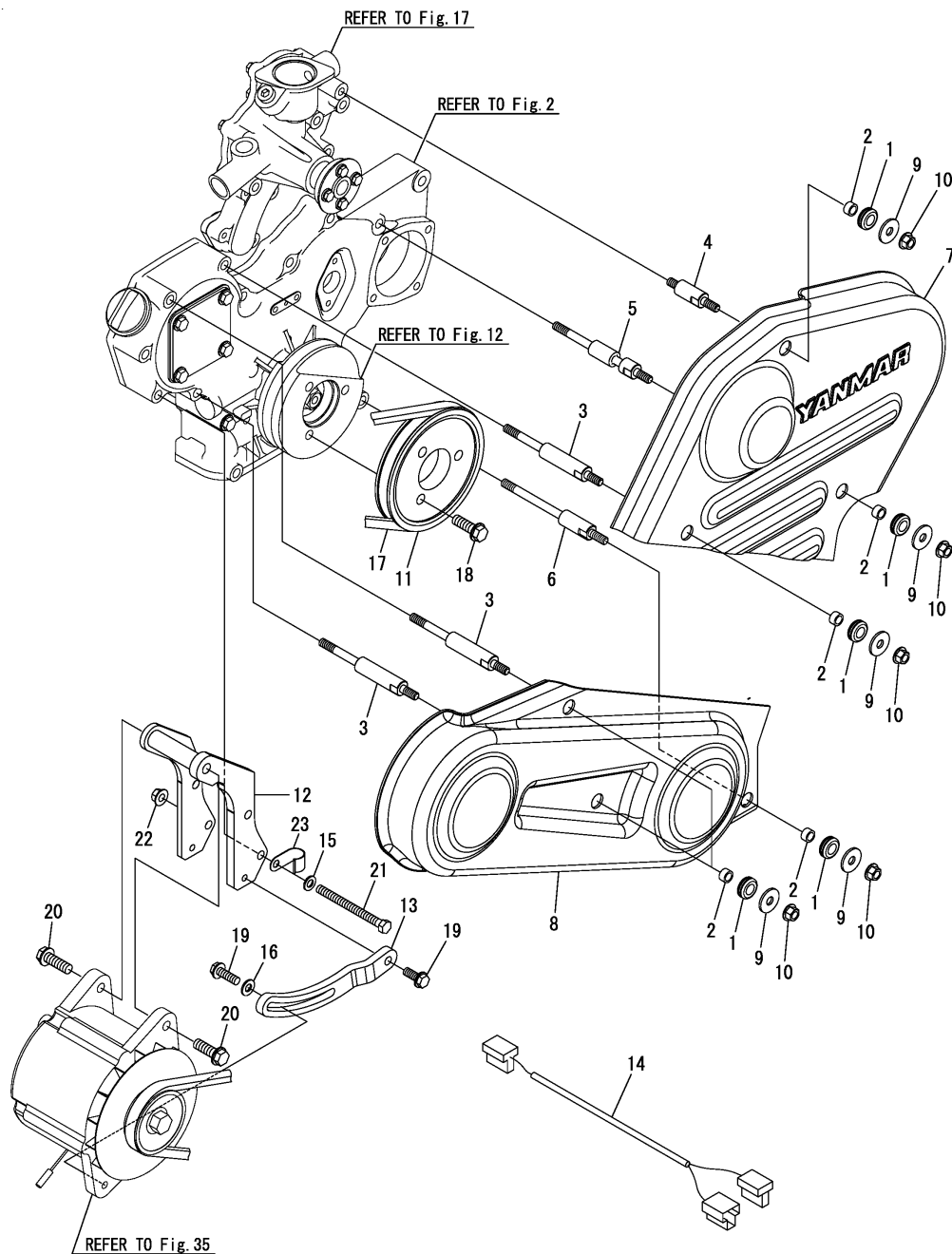
(A)=3JH5E
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128990-77610	GROMMET	4							
2	1	128990-77430	COLLAR	4							
3	1	129271-77401	COVER, BELT	1							
4	1	129271-77410	BOLT	2							
4-1	1	129271-77411	BOLT,BELT COVER	2						S	1
(A=E12749)											
5	1	22157-080000	WASHER, 8	4							
6	1	26306-080002	NUT, M8	4						Z	
(A=E12749)											
7	1	129271-77420	BOLT	1							
7-1	1	129271-77421	BOLT,BELT COVER	1						S	1
(A=E12749)											
8	1	129271-77430	BOLT	1						Z	
(A=E12749)											
9	1	26366-080002	NUT, M8	4						W	
(A=E12749)											

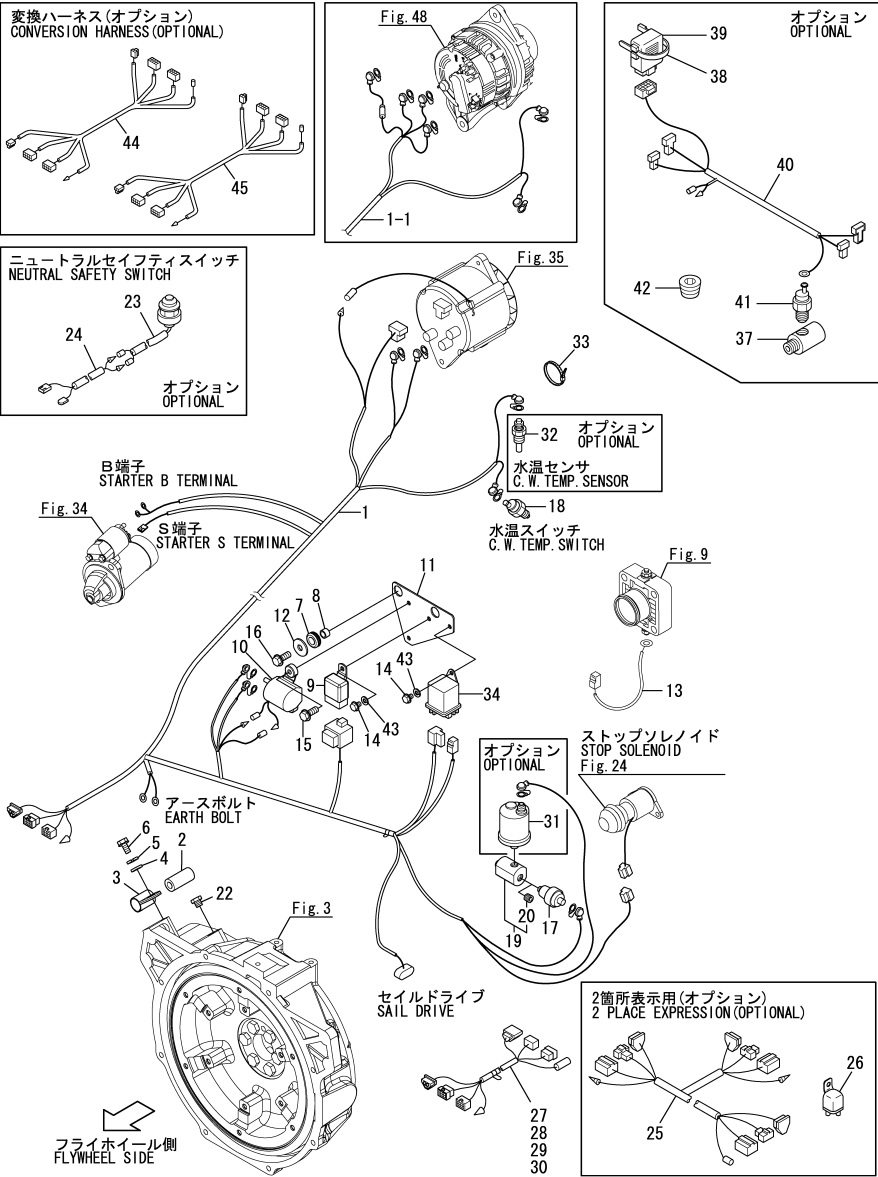
Remarks
(1)Valeo generator spec.

Fig.37. V-BELT COVER & GENERATOR ATTACHMENT PARTS(OPTIONAL)



No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	128990-77610	GROMMET	6					
2	1	128990-77430	COLLAR	6					
3	1	129271-77410	BOLT	3					
4	1	129271-77420	BOLT	1					
5	1	129271-77430	BOLT	1					
6	1	129271-77440	BOLT	1					
7	1	129271-77501	COVER, BELT	1					
8	1	129271-77510	COVER, BELT	1					
9	1	22157-080000	WASHER, 8	6					
10	1	26306-080002	NUT, M8	6					
11	1	129271-21350	V-PULLEY	1					
12	1	129271-77311	BRACKET,ALTERNATOR	1					
13	1	129271-77330	ADJUSTER	1					
14	1	129271-77931	HARNESS,ALTERNATOR	1					
15	1	22137-080000	WASHER, 8	2					
16	1	22137-080000	WASHER, 8	1					
17	1	25132-003800	V-BELT, A38	1					
18	1	26106-100302	BOLT, M10X 30 PLATED	3					
19	1	26106-080252	BOLT, M8X 25 PLATED	2					
20	1	26106-100302	BOLT, M10X 30 PLATED	2					
21	1	26116-080904	BOLT, M8X 90 PLATED	2					
22	1	26306-080002	NUT, M8	2					
23	1	129150-03100	RETAINER, PIPE	1					

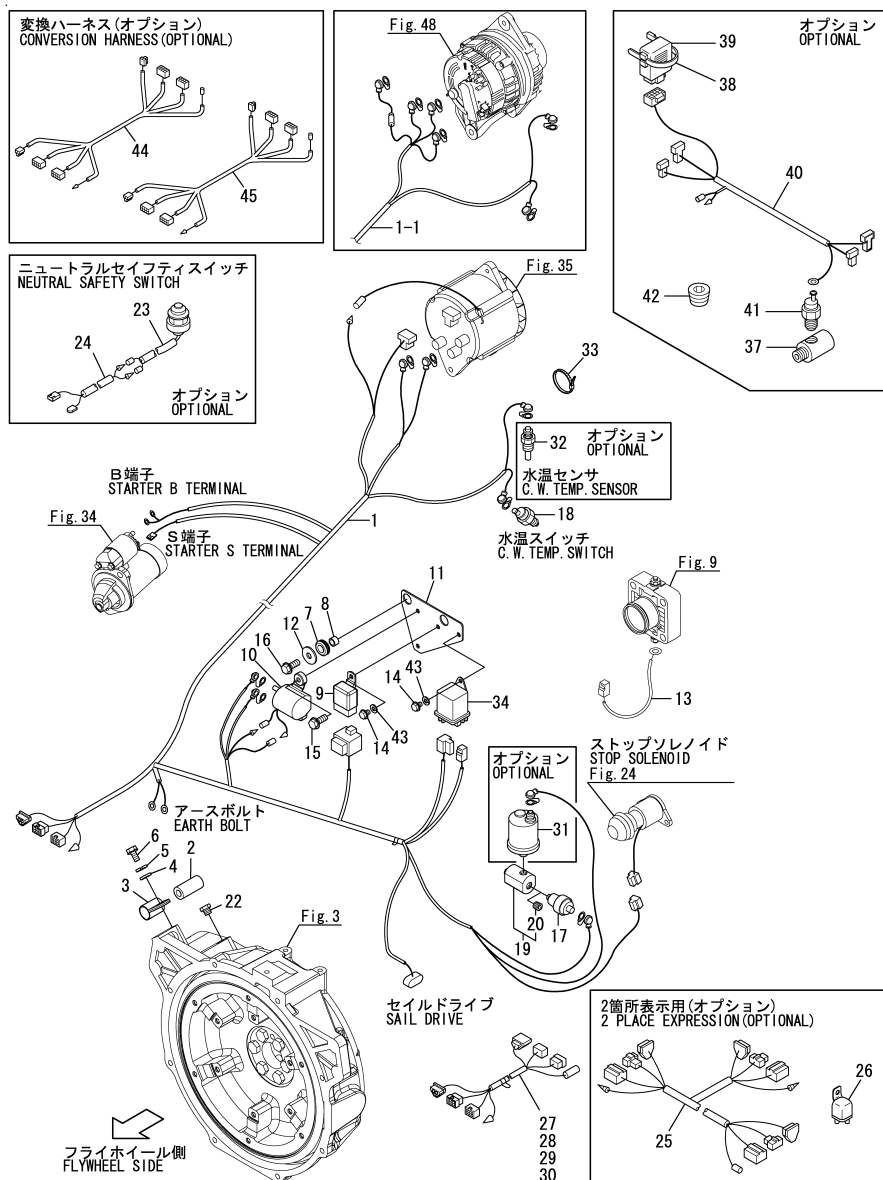
Fig.38. WIRE HARNESS & SENSOR



Remarks
(1)YAZAKI.
(2)DEUTSCH (Valeo generator spec).
(3)For MEDALLION panel (Conversion from VDO panel).
(4)For VDO panel (Conversion to the Valeo generator).
(5)Valeo generator spec.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-77940	HARNESS, WIRE	1							1
1-1	1	129670-77921	HARNESS, WIRE ENGINE	1						S	2
(A=E12749)											
2	1	129670-77940	PROTECTOR	1							
3	1	124070-77950	CLAMP	1							
4	1	22137-080000	WASHER, 8	1							
5	1	22217-080000	WASHER, SPRING 8	1							
6	1	26106-080162	BOLT, M8X 16 PLATED	1							
7	1	128990-77610	GROMMET	2							
8	1	128990-77430	COLLAR	2							
9	1	119247-77100	RELAY, SAFETY	1							
10	1	128990-77550	RELAY, MAGNETIC	1							
11	1	129271-77970	BRACKET, RELAY	1							
12	1	22157-080000	WASHER, 8	2							
13	1	129271-77921	HARNESS,WIRE(HEATER	1							
14	1	26106-060082	BOLT, M6X 8 PLATED	2							
15	1	26106-060122	BOLT, M6X 12 PLATED	2							
16	1	26106-080202	BOLT, M8X 20 PLATED	2							
17	1	121252-39450	SWITCH, 0.5KG	1							
18	1	120130-91370	SWITCH, 100	1							
19	1	129670-39600	DAMPER ASSY, R1/8	1							
20	2	23875-010000	PLUG, R01	1							
22	1	23887-180002	PLUG, 18	1							
23	1	120270-77102	SWITCH, SAFETY	1							
24	1	129570-77960	HARNESS, WIRE	1							
25	1	129574-77980	HARNESS, WIRE	1							Z
(A=E12749)											
26	1	119773-91850	RELAY	1							Z
(A=E12749)											
27	1	129574-77710	HARNESS, WIRE 4M	1							
27-1	1	164100-22720	HARNESS, WIRE 4M	1						S	5
(A=E12749)											
28	1	129574-77720	HARNESS, WIRE 6M	1							
28-1	1	164100-22730	HARNESS, WIRE 6M	1						S	5
(A=E12749)											
29	1	128391-77720	HARNESS, WIRE	1							
29-1	1	164100-22830	HARNESS,EXT 6M	1						S	5
(A=E12749)											
30	1	129574-77740	HARNESS, WIRE 10M	1							
30-1	1	164100-22740	HARNESS, WIRE 10M	1						S	5
(A=E12749)											
31	1	119773-91650	SENSOR	1							
32	1	119773-91700	SENDER	1							
33	1	194250-51660	BAND, NYLON	1							
33-1	1	29622-250001	BAND, RF250	1							R
(A=EXXXXX)											
33-2	1	128990-59890	BAND,200	1							S
(A=E12749)											
34	1	128990-77910	RELAY, GROW	1							
37	1	129671-49990	JOINT, R3/8	1							
38	1	194250-51660	BAND, NYLON	3							

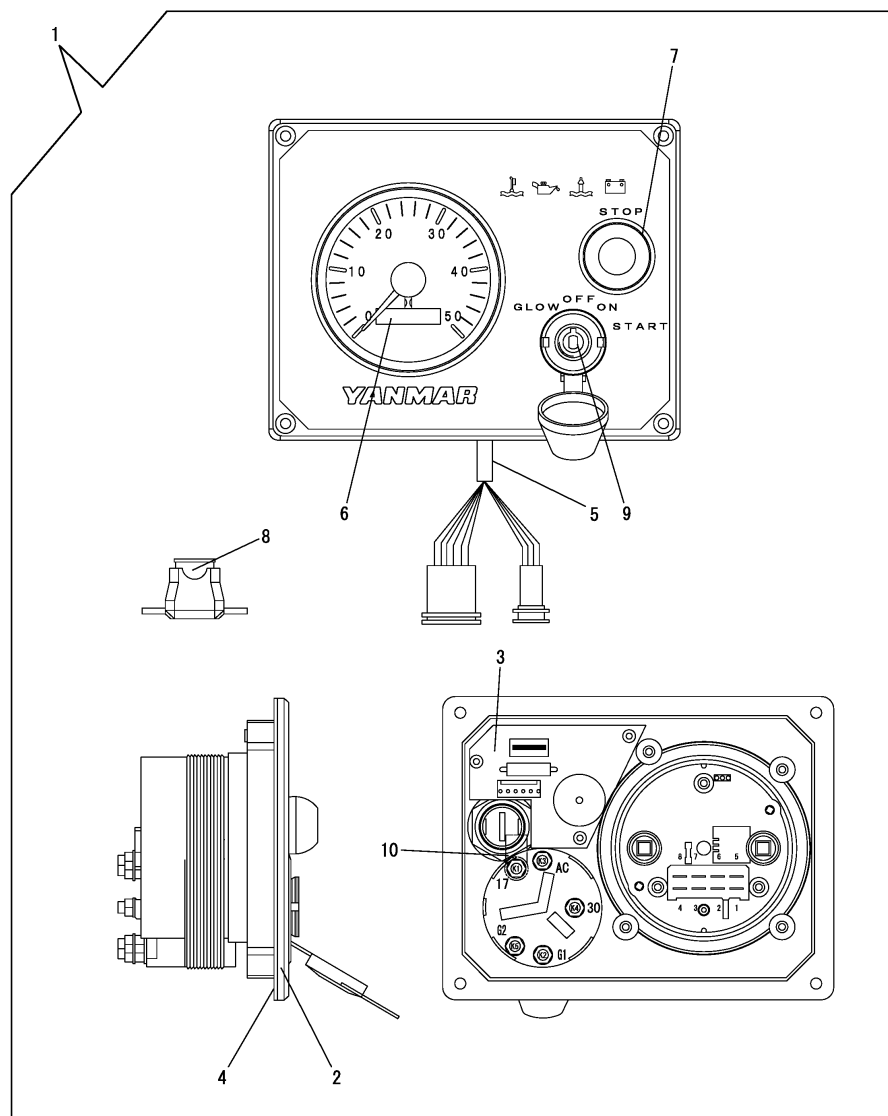
Fig.38. WIRE HARNESS & SENSOR



- (1)YAZAKI.
- (2)DEUTSCH (Valeo generator spec).
- (3)For MEDALLION panel (Conversion from VDO panel).
- (4)For VDO panel (Conversion to the Valeo generator).
- (5)Valeo generator spec.

[illegible]

Fig.39. INSTRUMENT PANEL(B-TYPE/OPTIONAL)



*This item is applicable to [(A)=Dec., 2011] or previous machines.
Refer to Fig.46.

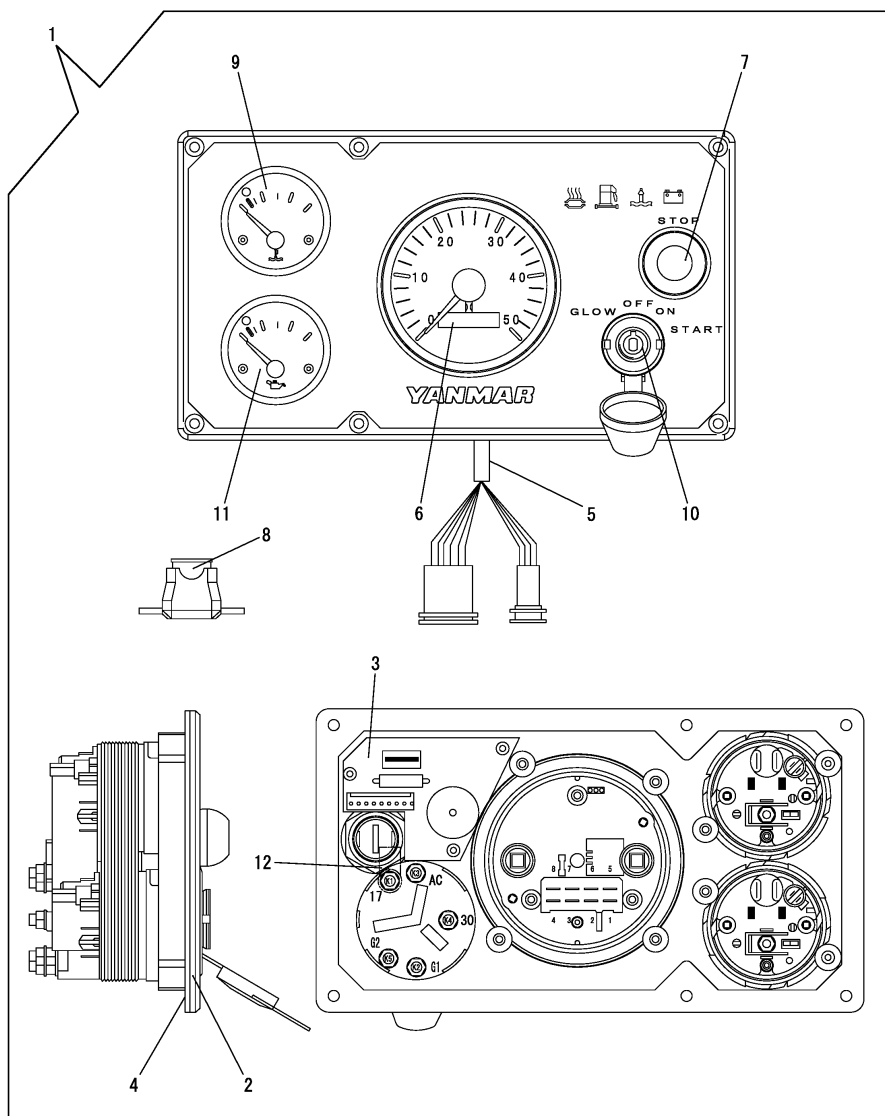
(D)=
(E)=
(F)=

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

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

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Fig.40. INSTRUMENT PANEL(C-TYPE/OPTIONAL)



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

Remarks

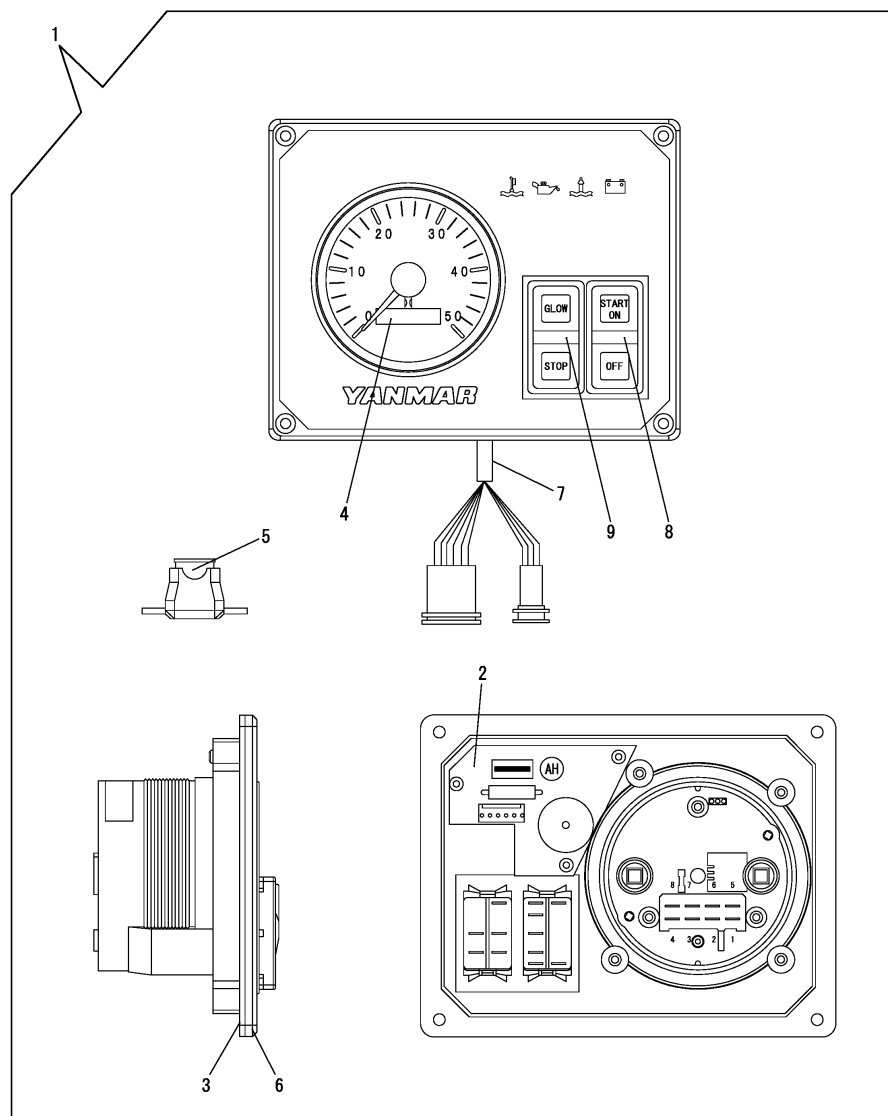
*This item is applicable to [(A)=Dec., 2011] or previous machines.

Refer to Fig.47.

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

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Fig.41. INSTRUMENT PANEL(B-TYPE/KEYLES/OPTIONAL)



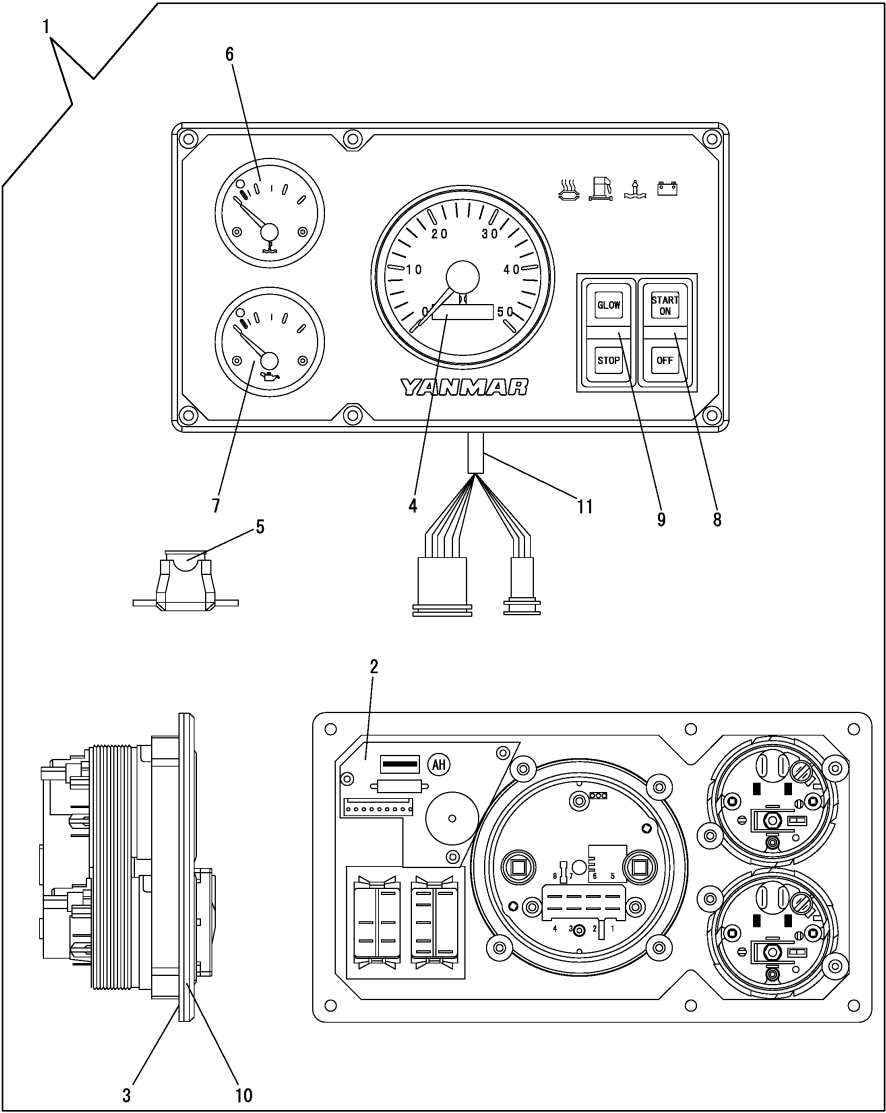
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-91301	PANEL	1							
1-1	1	129271-91302	PANEL,B KEYLESS	1							N
(A=EZZZZZ)											
2	2	129271-91131	CIRCUIT WITH LED&BZR	1							
2-1	2	129271-91132	CIRCUIT WITH LED&BZR	1							N
(A=EZZZZZ)											
3	2	129271-91140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

Remarks
*This item is applicable to [(A)=Dec., 2011] or previous machines.
Refer to Fig.46.

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

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Fig.42. INSTRUMENT PANEL(C-TYPE/KEYLES/OPTIONAL)



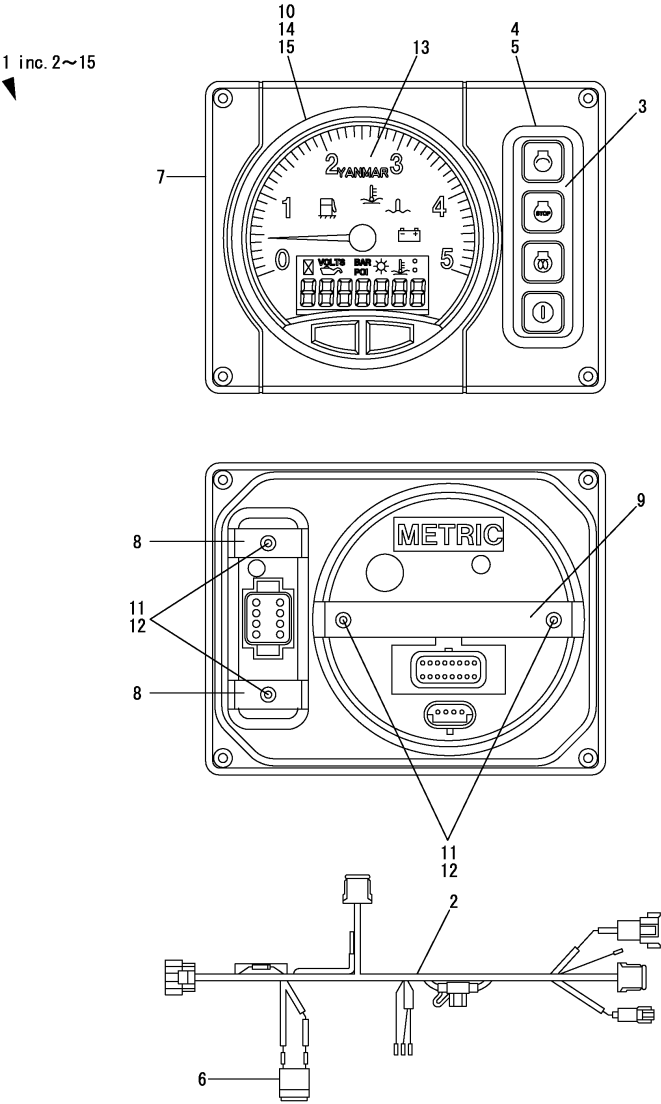
(A)=3JH5E
(B)=
(C)=

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

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

Remarks
*This item is applicable to [(A)=Dec., 2011] or previous machines.
Refer to Fig.47.

Fig.46. (42A)INSTRUMENT PANEL(B20)(MEDALLION: FROM JAN., 2012)



(A)=3JH5E
(B)=
(C)=

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

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

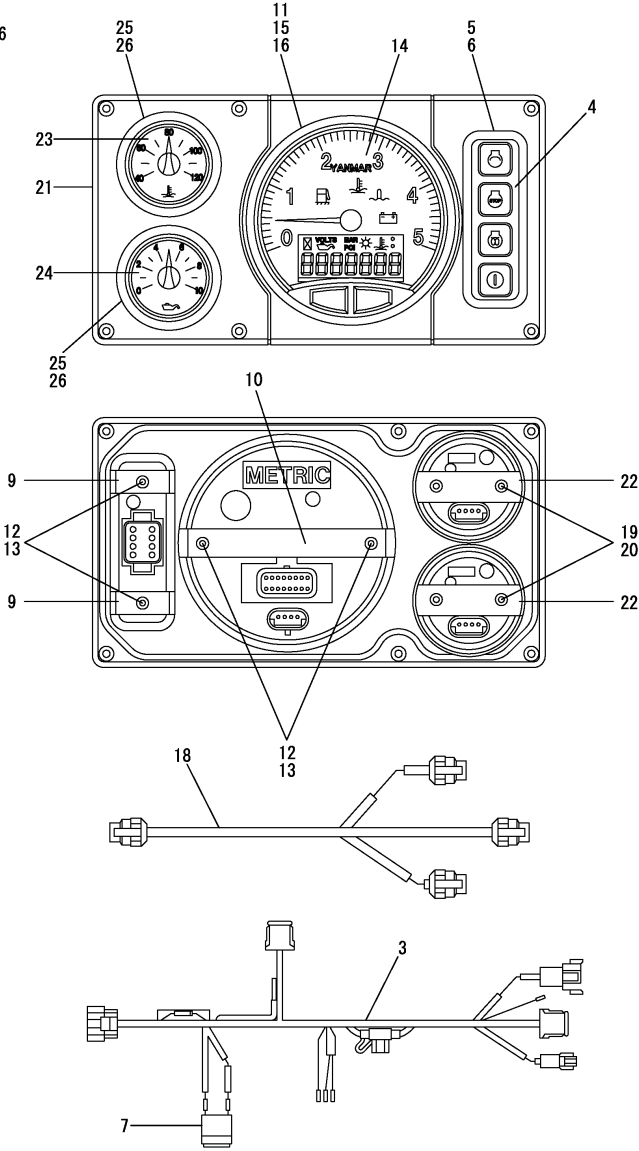
Remarks
*This item is applicable to [(A)=Jan., 2012] or following machines.
Refer to Fig.39, 41.
(1)Valeo generator spec.

Fig.47. (42B)INSTRUMENT PANEL(C30)(MEDALLION: FROM JAN., 2012)

(A)=3JH5E
(B)=
(C)=

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

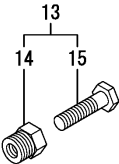
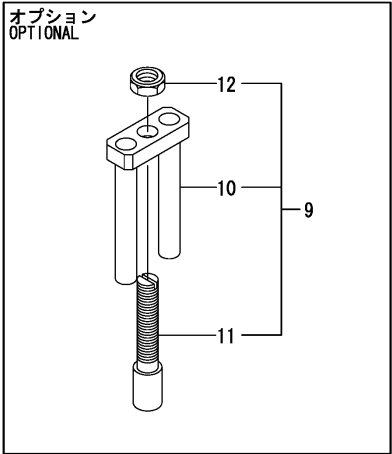
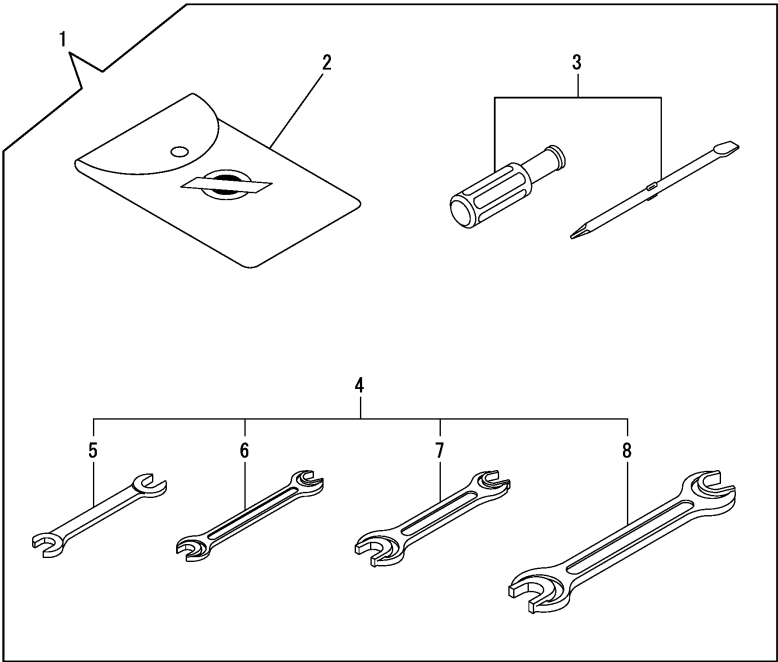
1 inc. 3~26
17 inc. 18~26



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

Remarks
*This item is applicable to [(A)=Jan., 2012] or following machines.
Refer to Fig.40, 42.
(1)Valeo generator spec.

Fig.43. TOOL



(A)=3JH5E
(B)=
(C)=

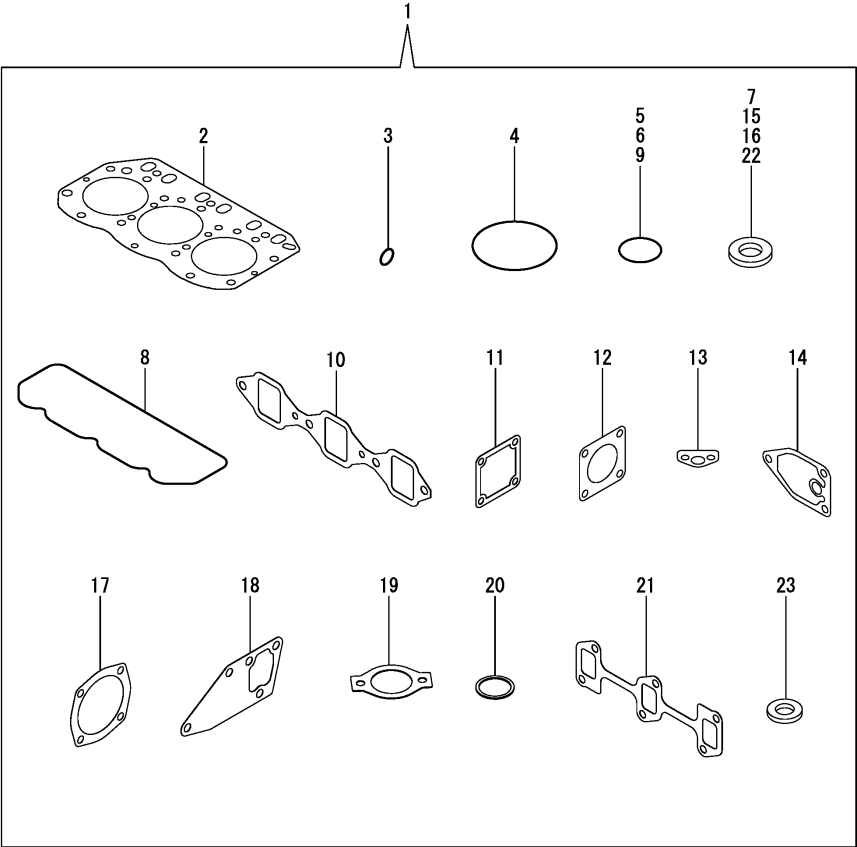
(D)=
(E)=
(F)=

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

Fig.44. GASKET SET(OPTIONAL)

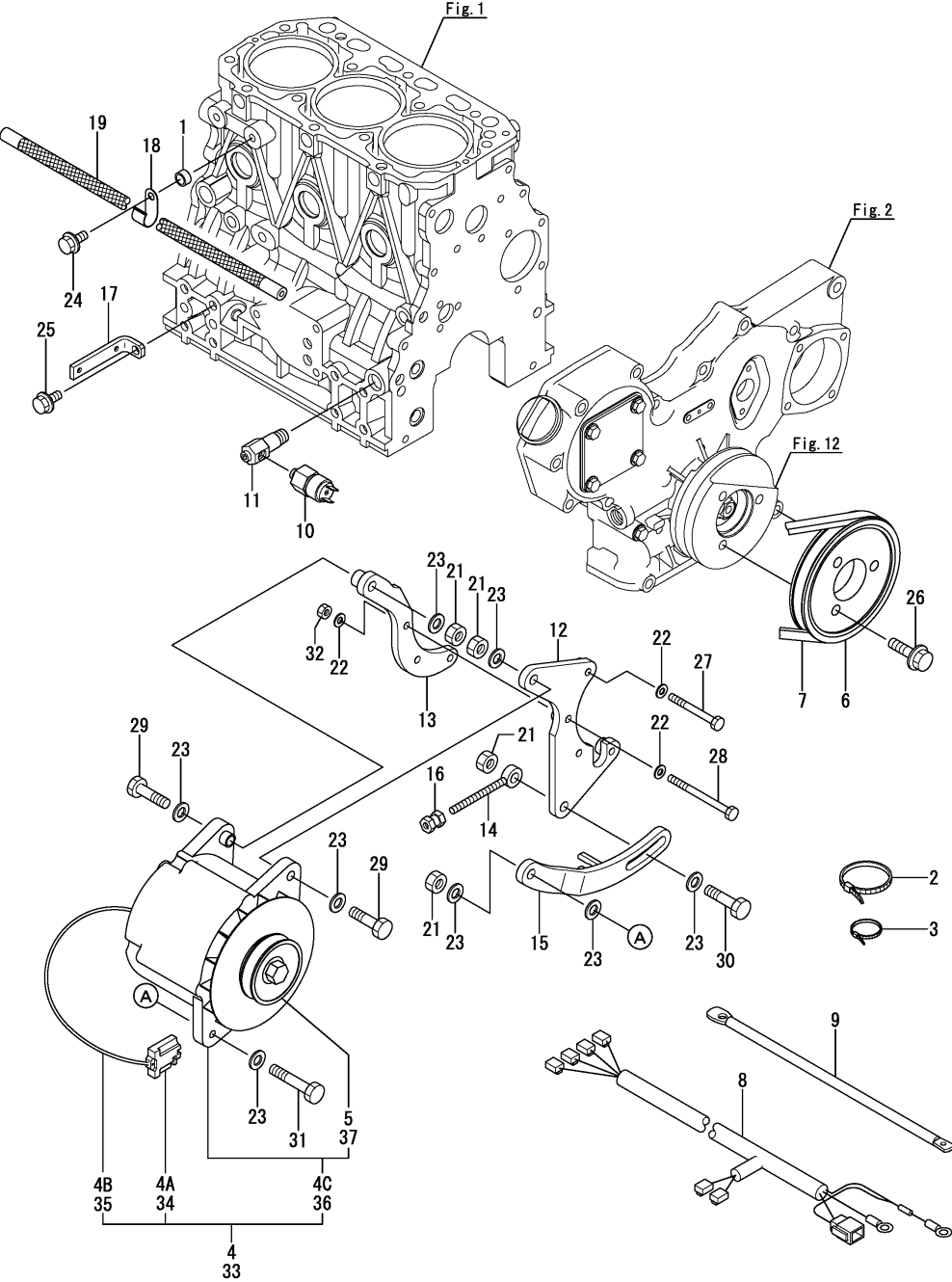
(A)=3JH5E
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729271-92600	GASKET SET	1							
2	2	129001-01340	GASKET, HEAD	1							
3	2	119609-32040	O-RING, P16	4							
4	2	121850-51960	O-RING	1							
5	2	24311-000320	O-RING, 1AP32.0	2							
6	2	24341-000240	O-RING, 1AS24.0	1							
7	2	22190-140002	WASHER, SEAL 14	4							
8	2	129004-11310	GASKET, BONNET	1							
9	2	24311-000120	O-RING, 1AP12.0	3							
10	2	129150-12111	GASKET, MANIFOLD	1							
11	2	129150-77511	GASKET	1							
12	2	129472-18090	GASKET	1							
13	2	129150-35042	GASKET	1							
14	2	129150-35111	GASKET	1							
15	2	22190-080002	WASHER, SEAL 6	3							
16	2	22190-100002	WASHER, SEAL 10	2							
17	2	129150-01881	GASKET	2							
17-1	2	129C26-01890	GASKET, HO-P	2							R
(A=EXXXXX)											
18	2	129486-42050	GASKET, WATER PUMP	1							
19	2	129795-49551	GASKET	1							
20	2	129470-49810	GASKET, THERMOSTAT	1							
21	2	129150-13110	GASKET	1							
22	2	22190-120002	WASHER, SEAL 12	8							
23	2	23414-080000	GASKET, 8X1.0	1							

Fig.45. GENERATOR(130A) & GENERATOR ATTACHMENT PARTS(OPTIONAL)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129301-34830	SPACER	1							
2	1	194250-51660	BAND, NYLON	1							
2-1	1	29622-250001	BAND, RF250	1							R
(A=E12749)											
3	1	121750-59890	BAND, 140	2							
4	1	129271-77220	ALTERNATOR, 12V-130A	1							
4A	2	129271-77600	REGULATOR ASSY,12V	1							W
(A=E12749)											
4B	2	129271-77620	HARNESS,BATT SENSING	1							W
(A=E12749)											
4C	2	129271-77580	ALTERNATOR,12V-130A	1							W
(A=E12749)											
5	3	129271-77240	PULLEY,ALTERNATOR	1							
6	1	129271-77250	PULLEY,CRANK	1							
7	1	129271-77260	BELT,6PK1060	1							
8	1	129271-77270	WIREHARNESS,ALTERNAT	1							
9	1	129271-77280	GROUND CABLE	1							
10	1	129271-77290	SWITCH,OIL PRESSURE	1							
11	1	129271-77320	DAMPER CMP(R 1/4	1							
12	1	129271-77340	BRACKET,ALT FRONT	1							
12-1	1	129271-77341	BRACKET,ALTERNATOR F	1							S
(A=E12749)											
13	1	129271-77350	BRACKET,ALT REAR	1							
13-1	1	129271-77351	BRACKET,ALTERNATOR R	1							S
(A=E12749)											
14	1	129271-77360	ADJUSTER,ALTERNATOR	1							
15	1	129271-77370	BRACKET,ADJUSTER	1							
16	1	129271-77380	NUT,ADJUSTER	1							
17	1	129271-77450	BRACKET, FEED PUMP	1							
18	1	129271-77460	SUPPORT,FUEL HOSE	1							
19	1	129271-77470	FUEL HOSE,845	1							
21	1	26716-120002	NUT, M12	4							
22	1	22137-080000	WASHER, 8	7							
23	1	22137-120000	WASHER, 12	8							
24	1	26106-080222	BOLT, M8X 22 PLATED	1							
25	1	26106-100222	BOLT, M10X 22 PLATED	1							
26	1	26106-100352	BOLT, M10X 35 PLATED	3							
26-1	1	26106-100402	BOLT, M10X 40 PLATED	3							S
(A=E12749)											
27	1	26116-080752	BOLT, M8X 75 PLATED	1							
28	1	26116-081004	BOLT, M8X100 PLATED	3							
29	1	26116-120452	BOLT, M12X 45 PLATED	2							
30	1	26116-120502	BOLT, M12X 50 PLATED	1							
31	1	26116-120652	BOLT, M12X 65 PLATED	1							
32	1	26716-080002	NUT, M8	3							
33	1	129271-77230	ALTERNATOR, 24V-75A	1							
34	2	129271-77610	REGULATOR ASSY,24V	1							W
(A=E12749)											
35	2	129271-77620	HARNESS,BATT SENSING	1							W
(A=E12749)											
36	2	129271-77590	ALTERNATOR,24V-75A	1							W

(A)=3JH5E
(B)=
(C)=

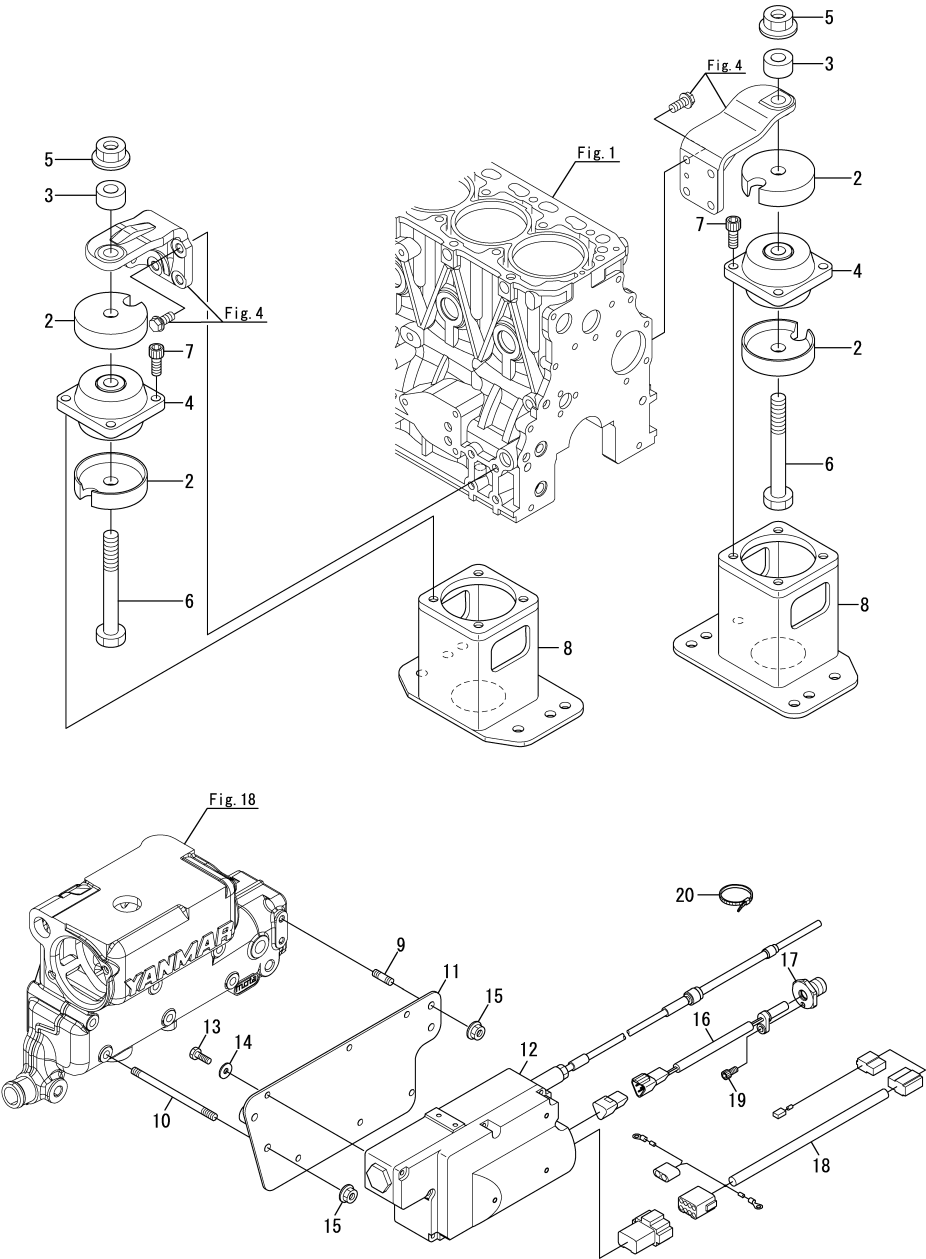
(D)=
(E)=
(F)=

[illegible]

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

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Fig.49. S2 DRIVE(OPTIONAL)



										OCR10-M74900		Fig.49	
										(A)=3JH5E (B)= (C)=		(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									
7	2	129671-08290	BOLT,10X25	8									
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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									
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