

OCR10-M74901EN

Introduction

1. This parts catalog for 3JH5E is published as a revised edition of the diesel engine.

	Date of issue	Remarks
First edition	Dec., 2008	No need
1st revised edition	June, 2015	No need
1st –once 3JH5AE addition	Nov., 2015	

2. Standard finish color. Yanmar ecole silver metallic
Parts No. 977620-40071 4L (Packed in a can)
Parts No. TOR-94800250 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 parts for repairs. If imitation parts are used,
it may cause engine defects.

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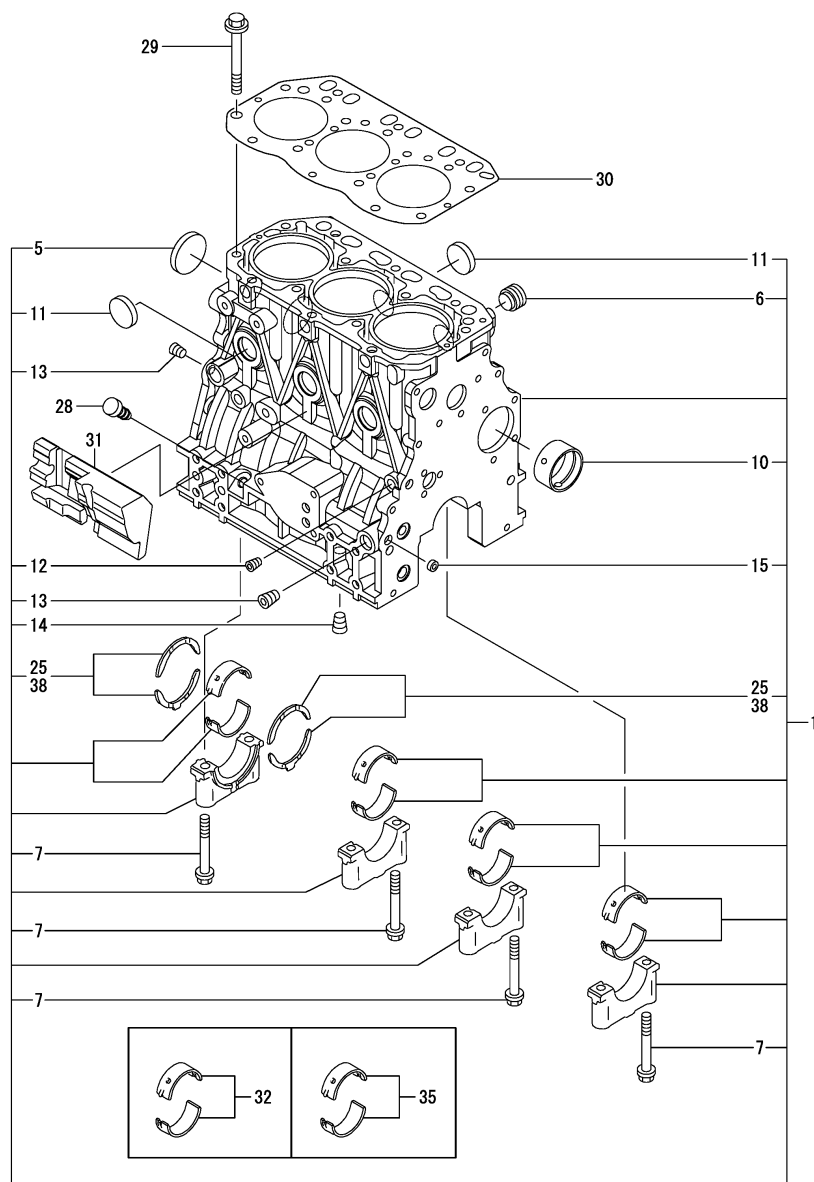
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Fig.1. CYLINDER BLOCK



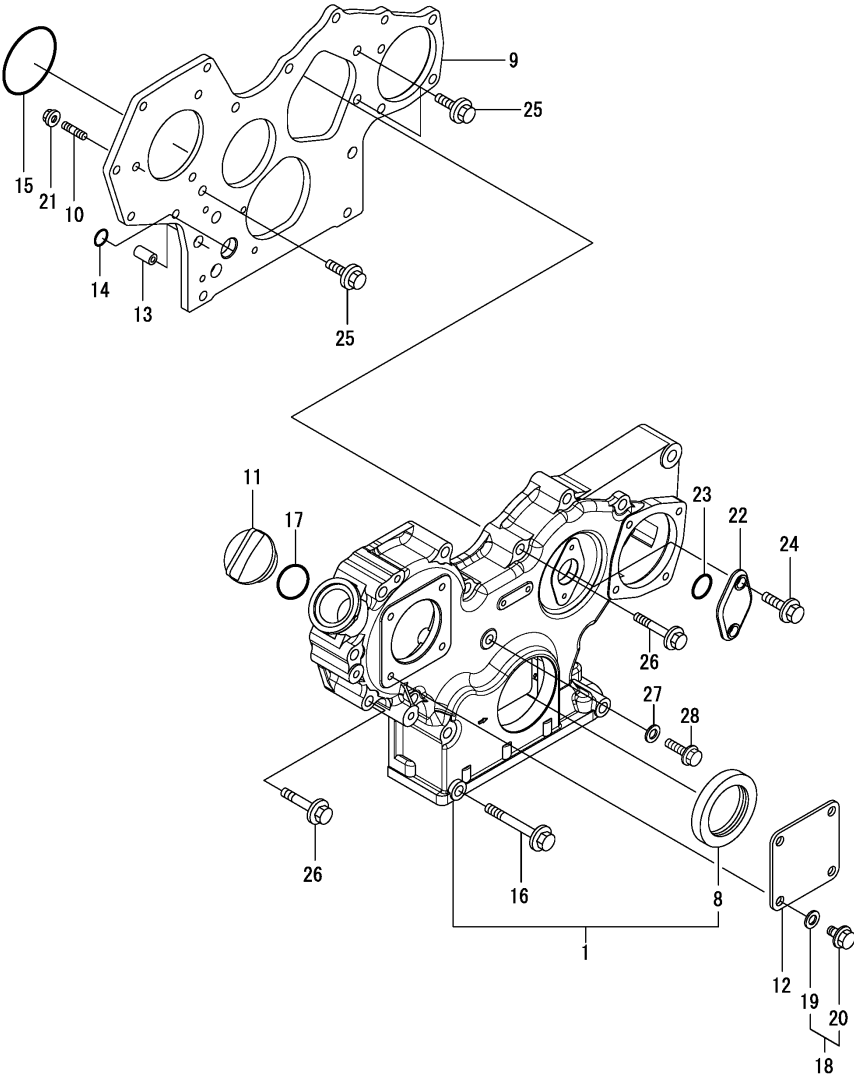
No.	Lev.	Parts No.	Description	(A)=3JH5E (B)=3JH5AE (C)=		(D)= (E)= (F)=				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-01560	BLOCK ASSY, CYLINDER	1	1						
5	3	129001-01250	PLUG, DISH TYPE 50	1	1						
6	3	171051-01921	PLUG, NPTF1	1	1						
7	3	129150-02020	BOLT, METAL CAP	8	8						
10	3	129795-02412	BUSH, CAMSHAFT	1	1						
11	3	27241-300000	PLUG 30	6	6						
12	2	124060-01050	PLUG, PT1/8	1	1						
13	2	124160-01910	PLUG, PT1/4	2	2						
14	2	124160-01910	PLUG, PT1/4	1	1						
15	2	27241-120000	PLUG, 12	2	2						
25	2	129150-02931	BEARING ASSY, THRUST	2	2						1
28	1	124976-34850	PLUG	1	1						
29	1	129150-01200	BOLT, CYLINDER HEAD	14	14						
30	1	129001-01340	GASKET, HEAD	1	1						
31	1	129004-01190	SPACER	1	1						
32	1	129001-02931	BEARING ASSY, MAIN	4	4						1
35	1	129150-02871	BEARING ASSY, MAIN	4	4						2
38	1	129150-02941	BEARING, THRUST 0.25	1	1						3

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

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

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Fig.2. GEAR HOUSING



				OCR10-M74901		Fig.2					
				(A)=3JH5E (B)=3JH5AE (C)=		(D)= (E)= (F)=					
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-01600	CASE ASSY, GEAR	1	1						
8	2	119934-01800	SEAL, OIL	1	1						
9	1	129008-01520	FLANGE, GEAR CASE	1	1						
10	1	119802-01561	BOLT, STUD M8X25	3	3						
11	1	124160-01751	CAP, FILLER	1	1						
12	1	124240-01871	COVER, PUMP	1	1						
13	1	129795-01950	PIPE, DOWEL L=18	2	2						
14	1	119609-32040	O-RING, P16	2	2						
15	1	121850-51960	O-RING	1	1						
16	1	26106-080852	BOLT, M8X 85 PLATED	3	3						
17	1	24311-000320	O-RING, 1AP32.0	1	1						
18	1	124550-01590	BOLT, M8X16	4	4						
19	2	22190-080002	WASHER, SEAL 8	4	4						
20	2	26106-080162	BOLT, M8X 16 PLATED	4	4						
21	1	26306-080002	NUT, M8	3	3						
22	1	121023-01551	COVER	1	1						
23	1	24341-000240	O-RING, 1AS24.0	1	1						
24	1	26106-060162	BOLT, M6X 16 PLATED	2	2						
25	1	26106-080162	BOLT, M8X 16 PLATED	3	3						
26	1	26106-080552	BOLT, M8X 55 PLATED	10	10						
27	1	22190-080002	WASHER, SEAL 8	1	1						
28	1	26106-080302	BOLT, M8X 30 PLATED	1	1						

Fig.3. FLYWHEEL HOUSING

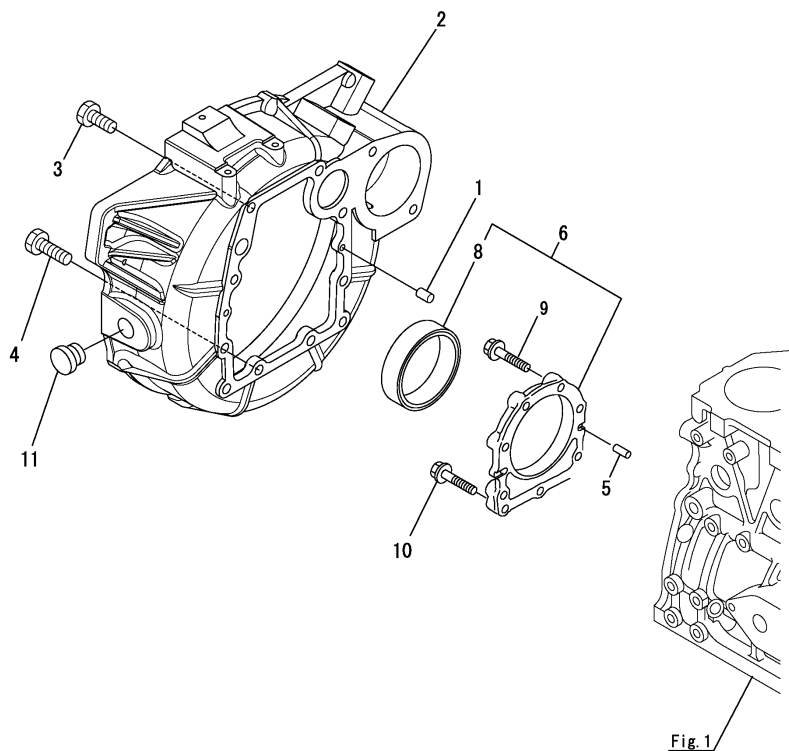


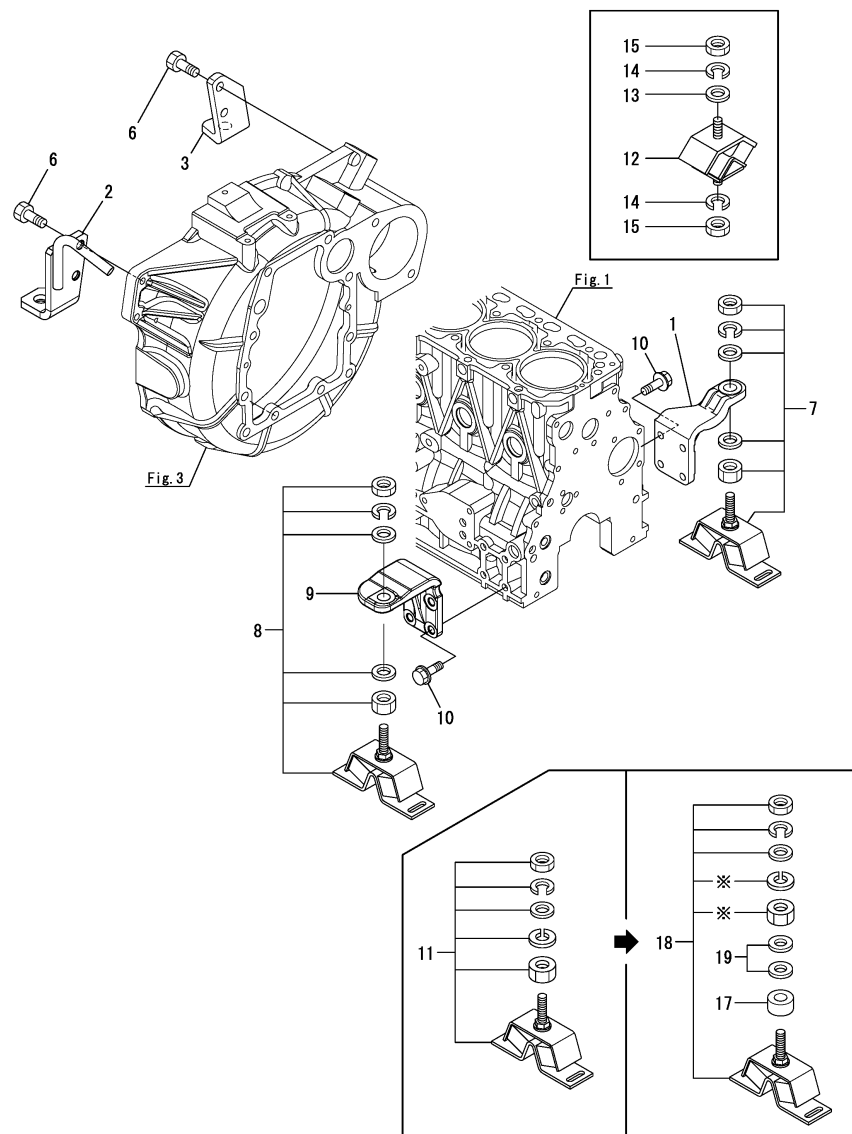
Fig. 1

(A)=3JH5E
(B)=3JH5AE
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, PARALLEL 8X16	2	2						
2	1	129670-01600	HOUSING, FLYWHEEL	1							
2-1	1	129670-01601	HOUSING, FLYWHEEL	1	1						R
		(A=*2013.06.)									
3	1	26206-100252	BOLT, M10X 25 PLATED	6	6						
4	1	26206-100302	BOLT, M10X 30 PLATED	4	4						
5	1	129100-01580	PIN, PARALLEL 8X16	2	2						
6	1	129100-01640	CASE ASSY, OIL SEAL	1	1						
8	2	129795-01780	SEAL, OIL	1	1						
9	1	129486-01670	BOLT, M8X30	6	6						
10	1	26106-080352	BOLT, M8X 35 PLATED	3	3						
11	1	119620-01750	CAP	1	1						

Fig.4. MOUNTING FOOT



(3) Spare parts for SD50.

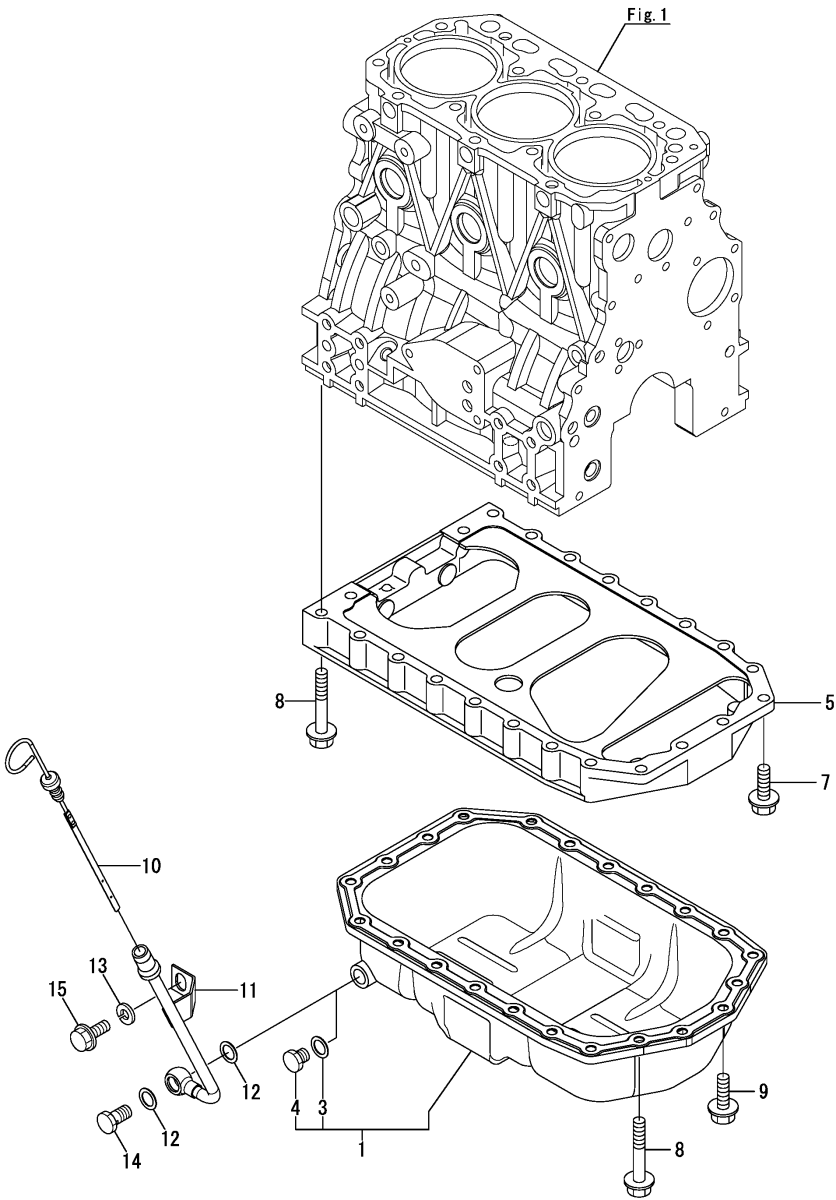
				(A)=3JH5E (B)=3JH5AE (C)=					(D)= (E)= (F)=				
No.	Lev.	Parts No.	Description	Q'ty							I	R	
				(A)	(B)	(C)	(D)	(E)	(F)				
1	1	129670-08110	FOOT	1	1								
2	1	129271-08120	FOOT	1	1								
3	1	129670-08130	FOOT	1	1								
6	1	26116-120252	BOLT, M12X 25 PLATED	4	4								
7	1	129670-08340	MOUNT, FLEXIBLE 150	2							1		
7-1	1	129670-08341	MOUNT, FLEXIBLE	2	2					R	1		
(A=*2009.03.)													
8	1	128377-08350	MOUNT, FLEXIBLE 100	2							1		
8-1	1	128377-08351	MOUNT, FLEXIBLE	2	2					R	1		
(A=*2009.03.)													
9	1	129271-08100	FOOT	1	1								
10	1	26106-100222	BOLT, M10X 22 PLATED	8	8								
11	1	129670-08350	MOUNT, FLEXIBLE 200	2							2		
11-1	1	129670-08351	MOUNT, FLEXIBLE	2						N	2		
(A=*2009.03.)													
11-2	1	129670-08351	MOUNT, FLEXIBLE	2						Z	2		
(A=*2012.12.)													
12	1	196420-02310	RUBBER, ABSORBER 230	1	1						3		
13	1	196440-02390	WASHER	1	1						3		
14	1	22217-120000	WASHER, SPRING 12	2	2						3		
15	1	26716-120002	NUT, M12	2	2						3		
17	1	129671-08250	SPACER, ABSORBER	2	2					W	2		
(A=*2012.12.)													
18	1	129670-08351	MOUNT, FLEXIBLE	2	2					W	2		
(A=*2012.12.)													
19	1	22137-160000	WASHER, 16	4	4					W	2		
(A=*2012.12.)													

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.5. OIL SUMP

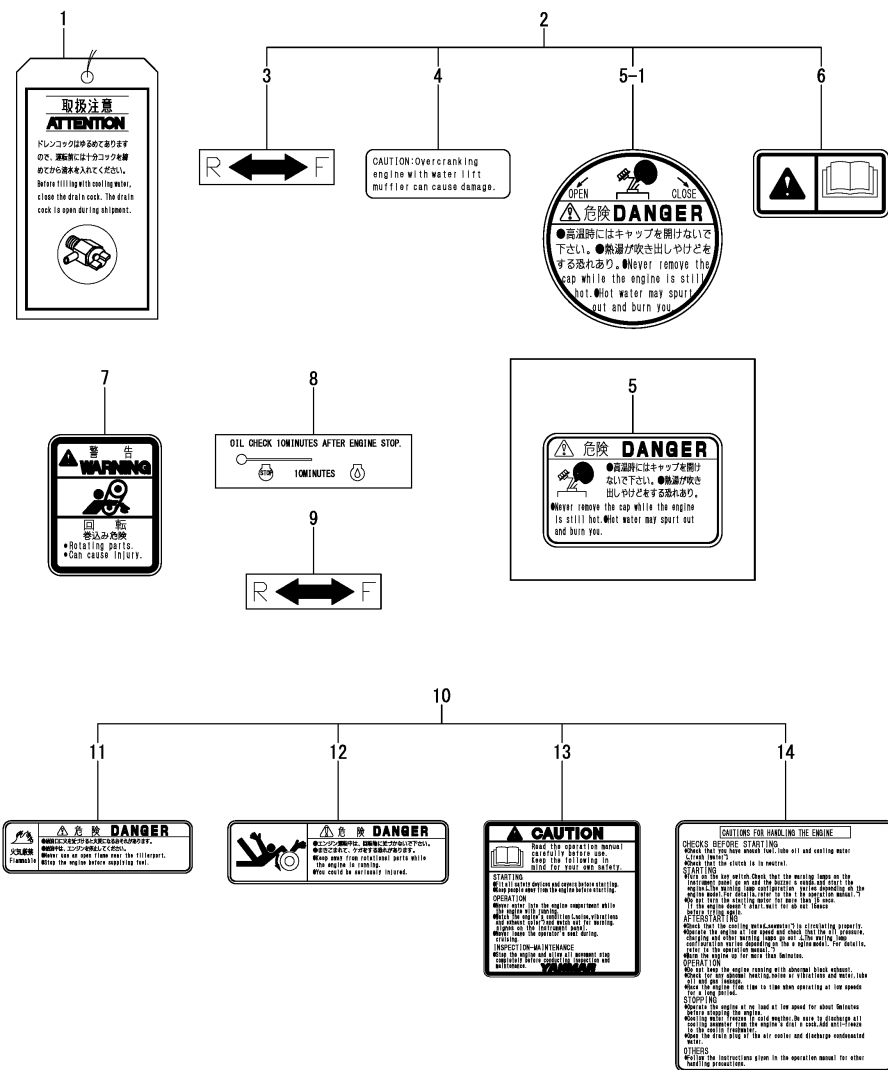
(A)=3JH5E
(B)=3JH5AE
(C)=

(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	1						
3	2	23414-140000	GASKET, 14X1.0	1	1						
4	2	23887-140002	PLUG M14	1	1						
5	1	129100-01730	SPACER, OIL-PAN	1	1						
7	1	26106-080252	BOLT, M8X 25 PLATED	2	2						
8	1	26106-080452	BOLT, M8X 45 PLATED	20	20						
9	1	26106-080162	BOLT, M8X 16 PLATED	4	4						
10	1	129271-34850	DIPSTICK, OIL	1	1						
11	1	129271-34890	GUIDE ASSY, DIPSTICK	1	1						
12	1	22190-140002	WASHER, SEAL 14	2	2						
13	1	22217-100000	WASHER, SPRING 10	1	1						
14	1	23851-080000	JOIT BOLT 8	1							
14-1	1	23857-080000	BOLT, JOINT 8	1	1						R
(A=*2013.06.)											
15	1	26106-100122	BOLT, M10X 12 PLATED	1							Z
(A=*2013.06.)											
15A	1	26106-100162	BOLT, M10X 16 PLATED	1	1						W
(A=*2013.06.)											

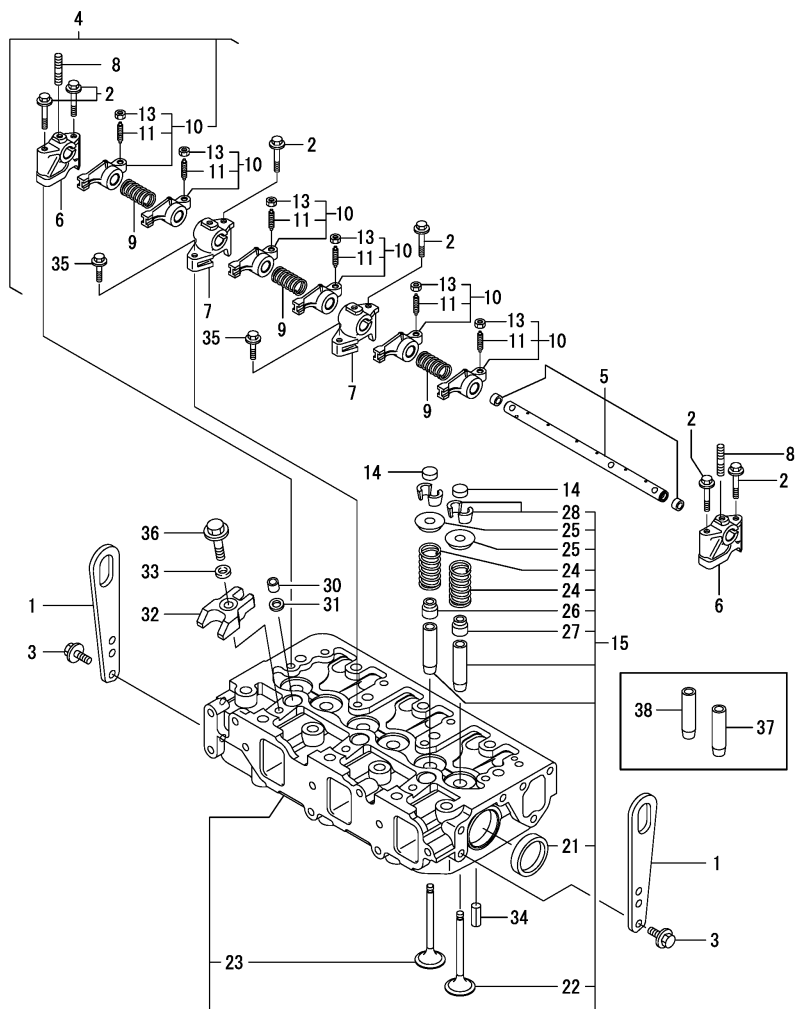
Fig.6. LABEL



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

No.	Lev.	Parts No.	Description	(A)=3JH5E (B)=3JH5AE (C)=		(D)= (E)= (F)=		I	R
				(A)	(B)	Q'ty (C)	(D)		
1	1	123682-07852	LABEL, CAUTION	1	1				
2	1	128990-07900 (A=*2013.06.)	LABEL ASSY,CAUTION	1	1				W
3	2	177088-02430	LABEL	1	1				
4	2	128377-07150	LABEL, CAUTION	1	1				
5	2	128377-07260	LABEL, PRESSURE CAP	1					
5-1	2	128990-07270 (A=*2008.11.)	LABEL, PRESSURE CAP	1	1				N
6	2	196630-12980	LABEL, CAUTION	1	1				
7	1	128377-07350 (A=*2008.11.)	LABEL, CAUTION	1					Z
8	1	128990-34900 (A=*2013.06.)	LABEL,OIL CHECK	1	1				W
9	1	177088-02430	LABEL	1	1				1
10	1	128377-07190	LABEL,LOOSE PARTS	1					
10-1	1	128296-07190 (A=*2013.06.)	LABEL,LOOSE PARTS	1	1				R
11	2	128377-07400	LABEL,DANGER	2					
11-1	2	128296-07400 (A=*2013.06.)	LABEL, DANGER	2	2				R
12	2	128377-07420	LABEL,DANGER	1					
12-1	2	128296-07420 (A=*2013.06.)	LABEL, DANGER	1	1				R
13	2	128377-07450	LABEL,CAUTION	1					
13-1	2	128296-07450 (A=*2013.06.)	LABEL, CAUTION	1	1				R
14	2	128377-07460	LABEL,CAUTION	1					
14-1	2	128296-07460 (A=*2013.06.)	LABEL, CAUTION	1	1				R

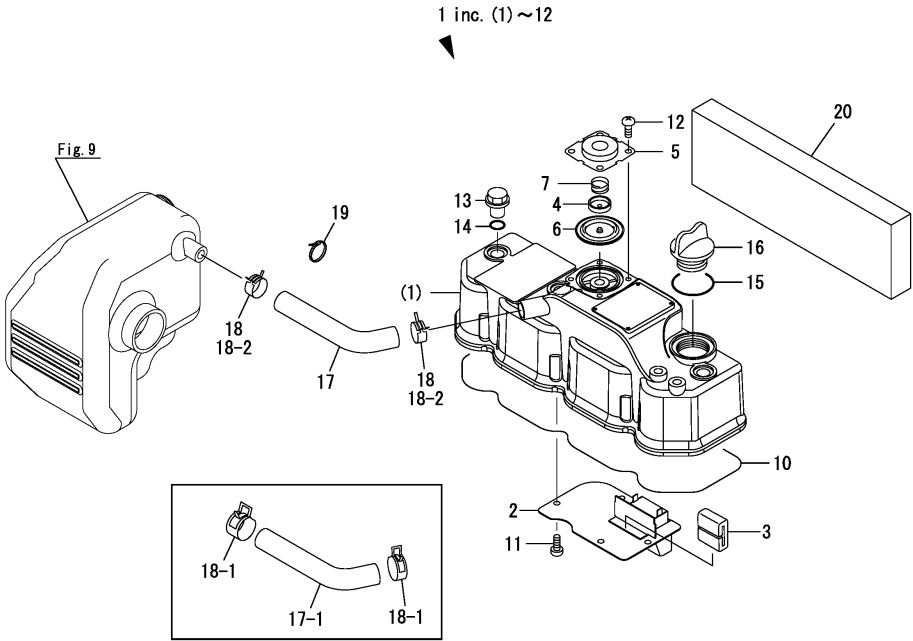
Fig.7. CYLINDER HEAD



No.	Lev.	Parts No.	Description	(A)=3JH5E (B)=3JH5AE (C)=		(D)= (E)= (F)=				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER, ENGINE	2	2						
2	1	26106-080502	BOLT, M8X 50 PLATED	6	6						
3	1	26106-080162	BOLT, M8X 16 PLATED	4	4						
4	1	129004-11241	SHAFT ASSY, ROCKER	1	1						
5	2	129004-11251	SHAFT, ROCKER ARM	1	1						
6	2	119802-11260	SUPPORT, ROCKER ARM	2	2						
7	2	119802-11270	SUPPORT, ROCKER ARM	2	2						
8	2	119802-11280	BOLT, STUD	3	3						
9	2	129150-11280	SPRING, ROCKER	3	3						
10	2	129004-11650	ARM ASSY, ROCKER	6	6						
11	3	129150-11230	SCREW, VALVE ADJUST	6	6						
13	3	129150-11750	NUT, M8	6	6						
14	1	129150-11370	CAP, VALVE	6	6						
15	1	129005-11700	HEAD ASSY, CYLINDER	1	1						
21	3	27241-400000	PLUG, 40	2	2						
22	2	129005-11100	VALVE, SUCTION	3	3						
23	2	129100-11112	VALVE, EXHAUST	3	3						
24	2	129795-11120	SPRING, VALVE	6	6						
25	2	129795-11180	RETAINER, SPRING	6	6						
26	2	121400-11340	SEAL, VALVE STEM	3	3						
27	2	124460-11340	SEAL, VALVE STEM	3	3						
28	2	27310-080001	COTTER, 8	6	6						
30	1	119802-11870	PROTECTOR, NOZZLE	3	3						
31	1	119625-11880	SEAT, NOZZLE	3	3						
32	1	129004-11900	RETAINER, NOZZLE	3	3						
33	1	120270-54410	WASHER, INJECTOR	3	3						
34	1	22351-060012	PIN, SPRING 6.0X12	2	2						
35	1	26106-080252	BOLT, M8X 25 PLATED	2	2						
36	1	26106-080352	BOLT, M8X 35 PLATED	3	3						
37	1	120130-11860	GUIDE, VALVE	3	3						1
38	1	129150-11810	GUIDE, VALVE	3	3						1

Remarks
(1) Spare parts.

Fig.8. BONNET



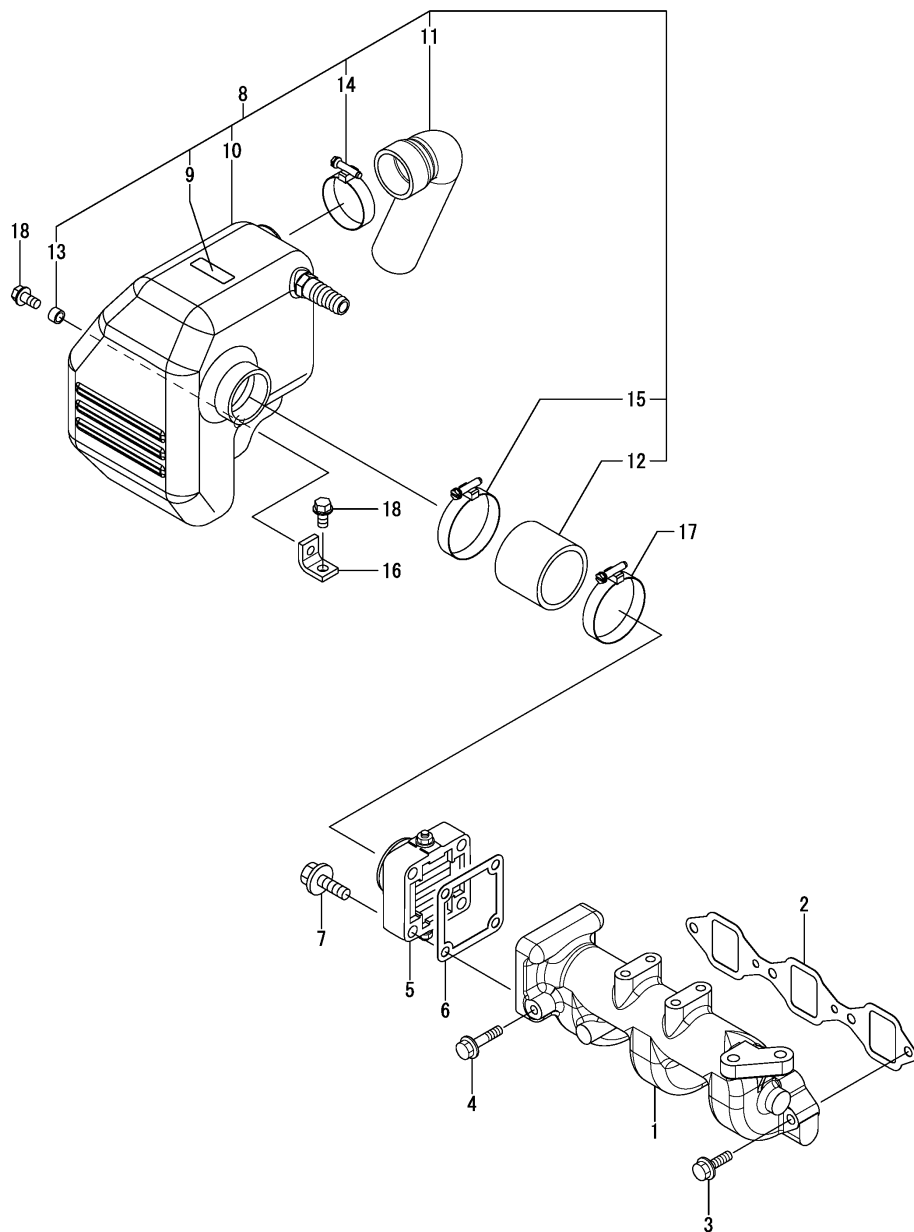
(A)=3JH5E
(B)=3JH5AE
(C)=

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

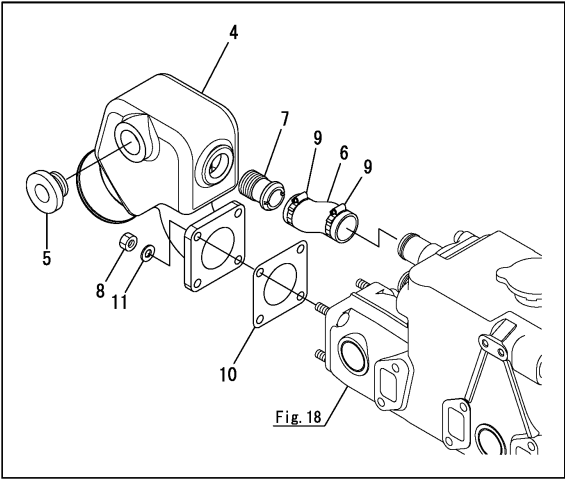
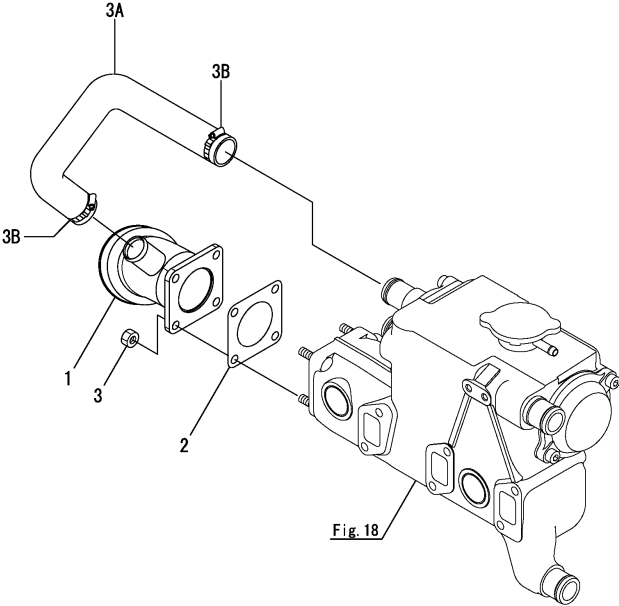
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-11350	BONNET ASSY, HEAD	1	1						
2	2	129004-03010	PLATE, BAFFLE	1	1						
3	2	129150-03070	BAFFLE, BREATHER	1	1						
4	2	119802-03110	PLATE, DIAPHRAGM	1	1						
5	2	119802-03121	COVER, DIAPHRAGM	1	1						
6	2	119802-03130	DIAPHRAGM	1	1						
7	2	119802-03141	SPRING, DIAPHRAGM	1	1						
10	2	129004-11310	GASKET, BONNET	1	1						
11	2	22857-500100	SCREW, 5X10	4	4						
12	2	22857-500100	SCREW, 5X10	4	4						
13	1	124160-11360	KNOB	3	3						
14	1	24311-000120	O-RING, 1AP12.0	3	3						
15	1	24311-000320	O-RING, 1AP32.0	1	1						
16	1	124160-01751	CAP, FILLER	1	1						
17	1	129271-03090	PIPE, BREATHER	1							
17-1	1	129271-03091	PIPE, BREATHER	1	1					S	1
(A=*2010.06.)											
18	1	129410-03990	CLAMP, HOSE 21.5	2							
18-1	1	124398-49700	CLIP, HOSE 24.0	2						S	1
(A=*2010.06.)											
18-2	1	129410-03990	CLAMP, HOSE 21.5	2	2						R
(A=*2014.08.)											
19	1	121750-59890	BAND, NYLON	1							
19-1	1	128990-59890	BAND, 200	1	1						R
(A=*2013.07.)											
20	1	129271-11900	INSULATOR, NOISE	1	1						

Remarks
(1)No.17-1 & 18-1 interchangeable by set.

Fig.9. SUCTION MANIFOLD



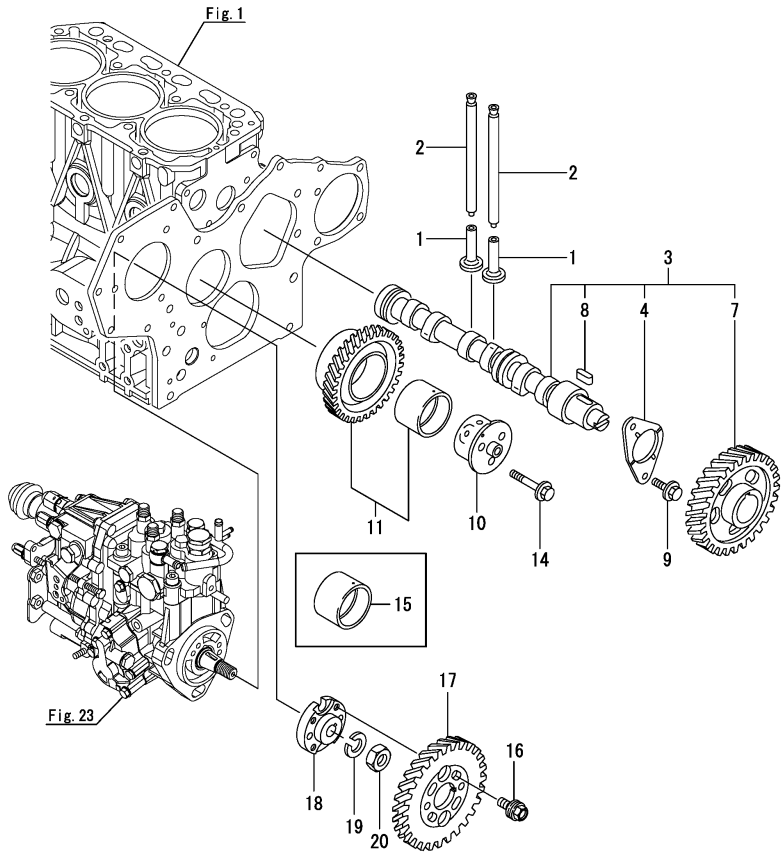
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-12100	MANIFOLD, AIR INTAKE	1	1						
2	1	129150-12111	GASKET, MANIFOLD	1	1						
3	1	26106-080252	BOLT, M8X 25 PLATED	3	3						
4	1	26106-080352	BOLT, M8X 35 PLATED	1	1						
5	1	129120-77502	HEATER, AIR	1	1						
6	1	129150-77511	GASKET, AIR HEATER	1	1						
7	1	26106-080352	BOLT, M8X 35 PLATED	4	4						
8	1	129271-12290	SILENCER	1	1						W
9	2	128377-07150	LABEL, CAUTION	1	1						W
10	2	129271-12311	SILENCER	1	1						
11	2	129670-12350	PIPE	1	1						
12	2	129271-12810	PIPE,SUC AIR	1	1						
13	2	128990-77430	COLLAR	1	1						
14	2	23000-048000	CLAMP, 48	1	1						
15	2	23000-060000	CLAMP, 60	1	1						
16	1	129271-12410	BRACKET, SILENCER	1	1						
17	1	23000-060000	CLAMP, 60	1	1						
18	1	26106-080162	BOLT, M8X 16 PLATED	2	2						



Remarks
(1)Optional parts.

				OCR10-M74901 Fig.10							
				(A)=3JH5E	(D)=						
				(B)=3JH5AE	(E)=						
				(C)=	(F)=						
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129670-13561	ELBOW	1	1						
2	1	129472-18090	GASKET	1	1						
3	1	26703-080002	NUT, M8	4	4						
3A	1	129670-49150	PIPE, WATER	1	1						
3B	1	129670-49500	CLIP, HOSE 38	2	2						
4	1	129470-13541	ELBOW	1	1						1
5	1	129472-13560	PLUG, PT3/4	1	1						1
6	1	129670-49280	PIPE, WATER	1	1						1
7	1	123325-49421	JOINT, PIPE	1	1						1
8	1	26703-080002	NUT, M8	4	4						1
9	1	129670-49500	CLIP, HOSE 38	2	2						1
10	1	129472-18090	GASKET	1	1						1
11	1	22137-080000	WASHER, 8	4	4					W	1
(A=*2013.06.)											

Fig.11. CAMSHAFT



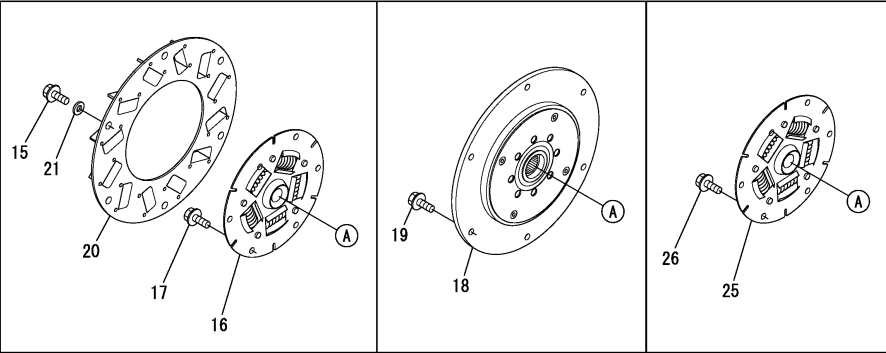
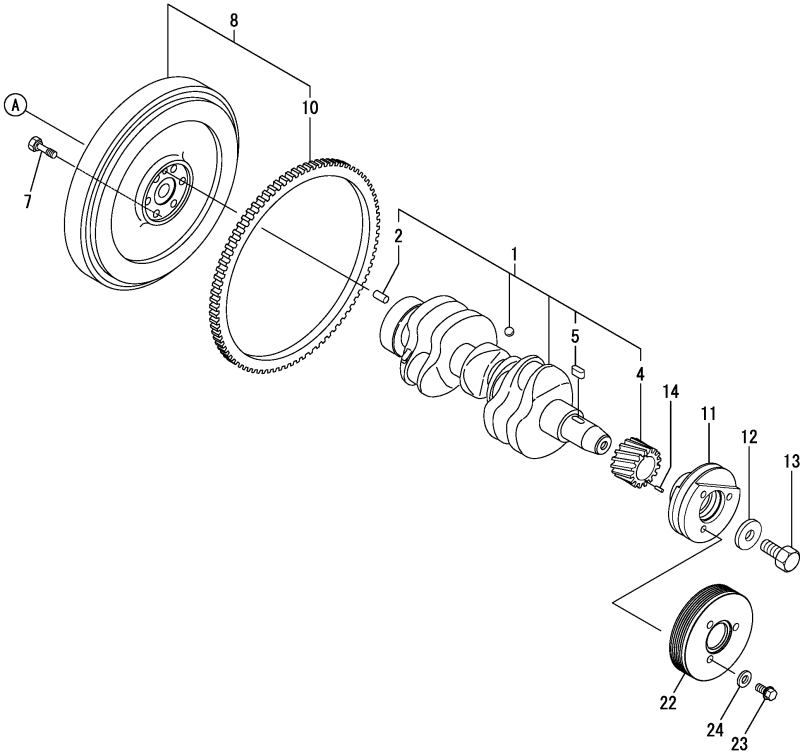
(A)=3JH5E
(B)=3JH5AE
(C)=

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

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

Remarks
(1)Spare parts.

Fig.12. CRANKSHAFT & FLYWHEEL



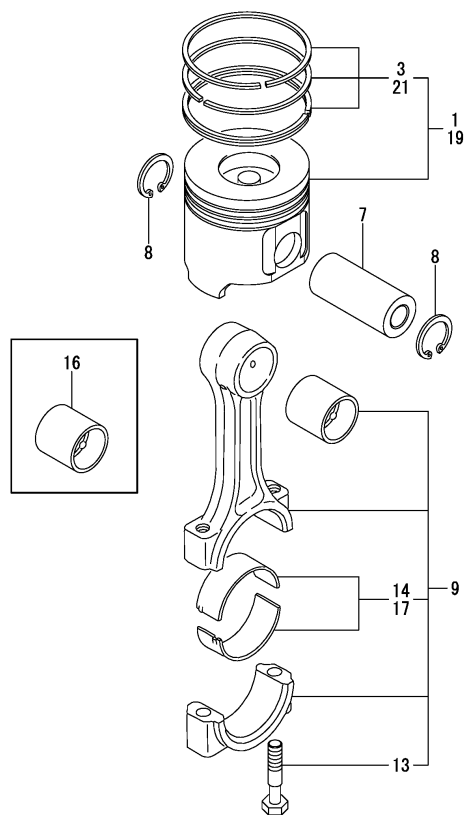
Remarks
(1)For KM35A, KM35P.
(2)Spare parts for SD50.
(3)Valeo generator specification.
(4)For SD60.

(A)=3JH5E
(B)=3JH5AE
(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	1						
2	2	129100-01580	PIN, PARALLEL 8X16	1	1						
4	2	119803-21200	GEAR, CRANKSHAFT	1	1						
5	2	22512-070140	KEY, 7X 14	1	1						
7	1	121111-21501	BOLT, FLYWHEEL	6	6						
8	1	129270-21591	FLYWHEEL ASSY	1	1						
10	2	119865-21600	GEAR, RING Z=116	1	1						
11	1	129005-21650	V-PULLEY, CRANK 120	1	1						
12	1	129795-21661	WASHER	1	1						
13	1	121850-21680	BOLT	1	1						
14	1	22351-030010	PIN, SPRING 3.0X10	1	1						
15	1	26106-080162	BOLT, M8X 16 PLATED	6							1
15-1	1	26013-080142	BOLT, M8X 14	6	6					R	1
(A=*2013.07.)											
16	1	177070-03520	DISK, DAMPER D190	1	1						1
17	1	26106-080162	BOLT, M8X 16 PLATED	6	6						1
18	1	196440-04310	COUPLING, 250 SP10	1	1						2
19	1	26106-080202	BOLT, M8X 20 PLATED	6	6						2
20	1	129670-81850	FAN, FLYWHEEL	1	1						1
21	1	22217-080000	WASHER, SPRING 8	6						Z	1
(A=*2013.07.)											
22	1	129271-21660	PULLEY, CRANK 6PK	1						W	3
(A=E12749)											
22-1	1	129271-21661	PULLEY, CRANK 6PK	1	1					N	3
(A=*2014.08.)											
23	1	26106-100202	BOLT, M10X 20 PLATED	3	3					W	3
(A=E12749)											
24	1	22137-100000	WASHER, 10	3	3					W	3
(A=E12749)											
25	1	177090-03500	DISK, DAMPER D190	1	1					W	4
(A=*2013.01.)											
26	1	26106-080162	BOLT, M8X 16 PLATED	6	6					W	4
(A=*2013.01.)											

Fig.13. PISTON & CONNECTING ROD



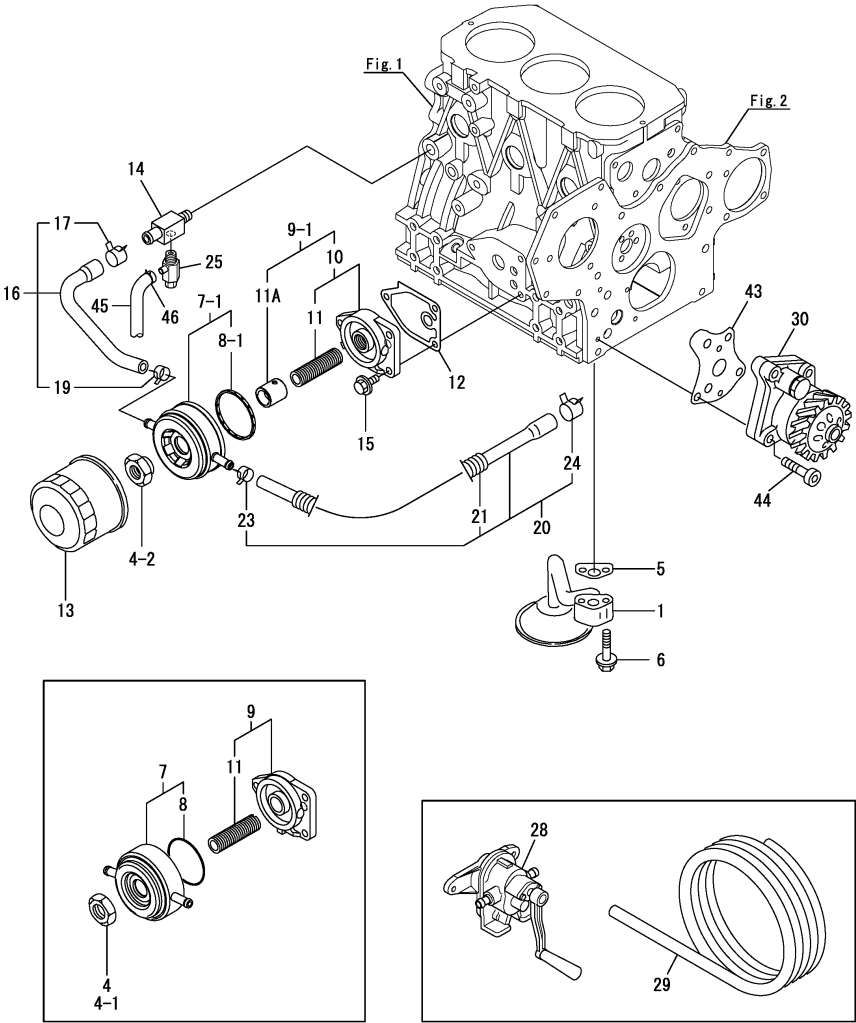
- (1) Spare parts.
- (2) Under-sized (U.S.=0.25) parts.
- (3) Over-sized (O.S.=0.25) parts.

(A)=3JH5E
(B)=3JH5AE
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129005-22080	PISTON ASSY	3	3						
3	2	129005-22500	RING SET, PISTON	3	3						
7	1	129202-22300	PIN, PISTON D26 L70	3	3						
8	1	22252-000260	RING, 26	6	6						
9	1	729402-23100	ROD ASSY, CONNECTING	3	3						
13	3	121550-23200	BOLT, CONNECTING ROD	6	6						
14	2	129150-23601	BEARING, CRANK PIN	3	3						
16	1	129100-23910	BEARING, PISTON PIN	3	3						1
17	1	129150-23611	BEARING, 0.25 US	3	3						2
19	1	129005-22900	PISTON ASSY, 0.25 OS	3	3						3
21	2	129005-22950	RING SET, 0.25 OS	3	3						3

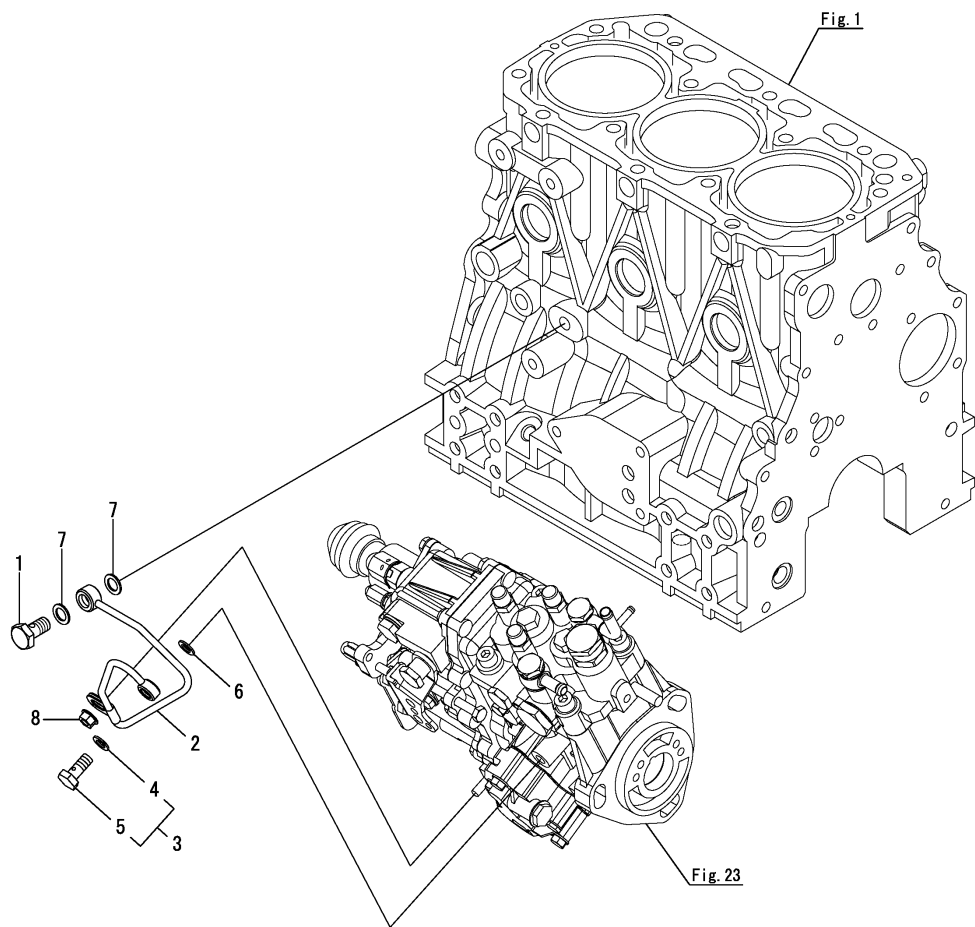
Fig.14. LUB. OIL SYSTEM



Remarks
(1)Spare parts.
(2)Optional parts.
(3)No.4-2, 7-1 & 9-1 interchangeable by set.

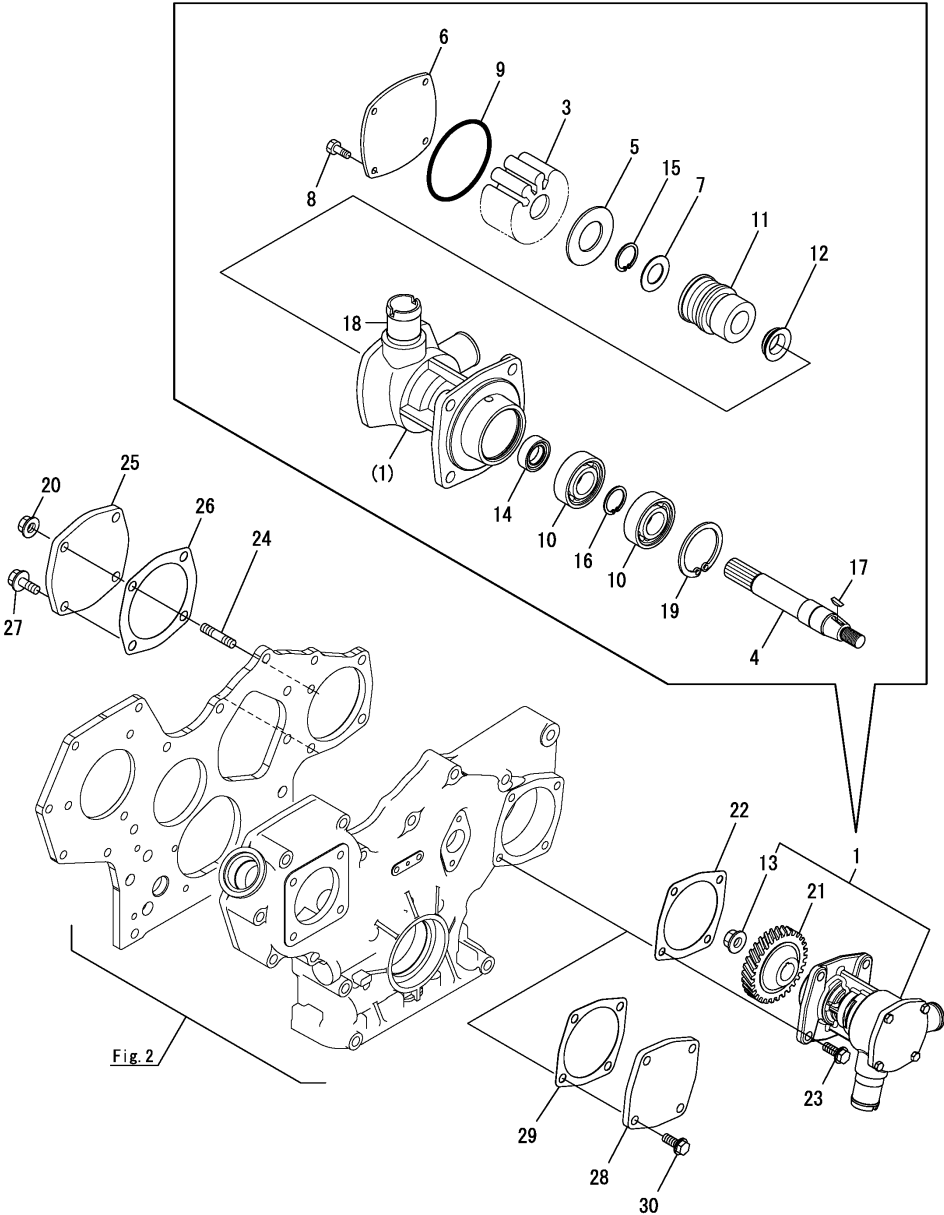
OCR10-M74901 Fig.14									
(A)=3JH5E (B)=3JH5AE (C)=									
(D)= (E)= (F)=									
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty (D)	(E)	(F) I R
1	1	129150-35091	PIPE ASSY, OIL INLET	1	1				
4	1	129417-33110	NUT	1					
4-1	1	129417-33111	NUT, OIL COOLER	1	1				R
(A=E12474)									
4-2	1	124085-35350	NUT, M20	1	1				F 3
(A=E14769) (B=*2016.09.)									
5	1	129150-35042	GASKET	1	1				
6	1	26106-080352	BOLT, M8X 35 PLATED	2	2				
7	1	129508-33010	COOLER ASSY, OIL	1	1				
7-1	1	129508-33031	COOLER ASSY, OIL	1	1				F 3
(A=E14769) (B=*2016.09.)									
8	2	129508-33050	O-RING	1	1				
8-1	2	129508-33060	PACKING, OIL COOLER	1	1				S
(A=E14769) (B=*2016.09.)									
9	1	129006-35100	BRACKET ASSY, FILTER	1	1				
9-1	1	129508-35100	BRACKET ASSY,LO FILT	1	1				F 3
(A=E14769) (B=*2016.09.)									
10	2	129006-35100	BRACKET ASSY, FILTER	1	1				
11	3	129417-35150	BOLT, STUD M20X67	1	1				
11A	2	129508-35150	COLLAR, OIL-COOLER	1	1				W
(A=E14769) (B=*2016.09.)									
12	1	129150-35111	GASKET	1	1				
13	1	119305-35170	FILTER ASSY, D68XL65	1	1				1
14	1	129006-44480	JOINT	1	1				
15	1	26106-080202	BOLT, M8X 20 PLATED	3	3				
16	1	129508-49030	HOSE ASSY, WATER	1	1				
17	2	171008-03990	CLAMP, HOSE 18.5	1	1				
19	2	23080-015000	CLAMP, 15	1	1				
20	1	129508-49040	HOSE ASSY, WATER	1	1				
21	2	119940-59130	TUBE, CORRUGATED 19	1	1				
23	2	23080-015000	CLAMP, 15	1	1				
24	2	171008-03990	CLAMP, HOSE 18.5	1	1				
25	1	119620-49290	COCK ASSY, 1/4	1	1				
28	1	124413-39100	PUMP ASSY, WASTE	1					Z 2
(A=*2010.09.)									
29	1	129670-39990	HOSE,OIL DRAIN 3M	1					Z 2
(A=*2010.09.)									
30	1	129001-32001	PUMP ASSY, OIL	1					
30-1	1	129001-32002	PUMP ASSY, OIL	1	1				N
(A=E13881)									
43	1	129150-32020	GASKET, PUMP	1	1				
44	1	26450-060252	BOLT, M6X 25	4	4				
45	1	23061-070300	PIPE, 7X 300	1	1				W
(A=*2013.07.)									
46	1	124460-77680	RETAINER	1					W
(A=*2013.07.)									
46-1	1	124460-77680	RETAINER	1					Z
(A=*2013.12.)									

Fig.15. LUB. OIL PIPE



No.	Lev.	Parts No.	Description	(A)=3JH5E	(D)=							
				(B)=3JH5AE	(E)=							
				(C)=	(F)=	Q'ty					I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	124160-39140	BOLT, PIPE JOINT M10	1	1							
2	1	119802-39450	PIPE ASSY, OIL	1	1							
3	1	129005-59830	BOLT ASSY, JOINT M8	1	1							
4	2	22190-080002	WASHER, SEAL 8	1	1							
5	2	23857-030000	BOLT, JOINT 3	1	1							
6	1	22190-080002	WASHER, SEAL 8	1	1							
7	1	22190-100002	WASHER, SEAL 10	2	2							
8	1	26366-060002	NUT, M6	1	1							

Fig.16. COOLING PUMP(SEA WATER)

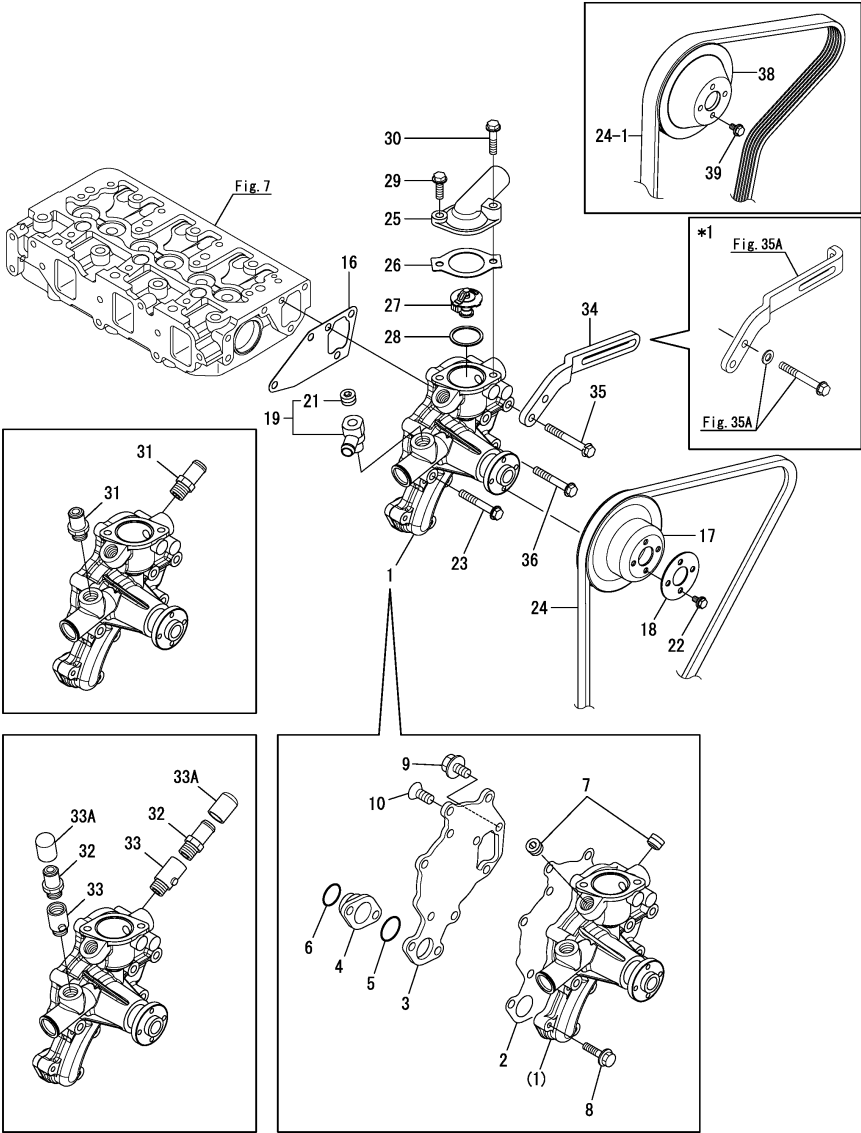


OCR10-M74901 Fig.16											
(A)=3JH5E (B)=3JH5AE (C)=											
(D)= (E)= (F)=											
Q'ty											
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129271-42501	PUMP ASSY, WATER	1							
1-1	1	129271-42502	PUMP ASSY, SW	1	1						N
(A=*2014.05.)											
3	2	129670-42531	IMPELLER	1	1						
4	2	X0146531	SHAFT	1	1						
5	2	129670-42540	PLATE	1	1						
6	2	129670-42520	COVER	1	1						
7	2	129670-42550	WASHER	1	1						
8	2	129271-42510	SCREW	4	4						
9	2	119773-42570	O-RING	1	1						
10	2	X0508129	BEARING	2	2						
11	2	129670-42560	SEAL, MECHANICAL	1	1						
12	2	120650-42420	V-RING	1	1						
13	2	X0505526	NUT, LOCK	1	1						
14	2	X0529105	SEAL	1	1						
15	2	129670-42570	CIRCLIP	1	1						
16	2	120650-42380	CIRCLIP	1	1						
17	2	129670-42580	KEY	1	1						
18	2	123325-49421	JOINT, PIPE	1	1						
19	2	120650-42350	CIRCLIP	1	1						
20	1	26306-080002	NUT, M8	1	1						
21	1	129271-42700	GEAR, PUMP	1	1						
22	1	129150-01881	GASKET	1	1						
23	1	26106-080202	BOLT, M8X 20 PLATED	4	4						
24	1	121450-01560	BOLT, STUD M8X22	1	1						
25	1	124240-01871	COVER, PUMP	1	1						
26	1	129150-01881	GASKET	1							
26-1	1	129C26-01890	GASKET, HO-P	1	1						R
(A=*2012.06.)											
27	1	26106-080252	BOLT, M8X 25 PLATED	3	3						
28	1	124240-01871	COVER, PUMP	1	1						
29	1	129150-01881	GASKET	1							
29-1	1	129C26-01890	GASKET, HO-P	1	1						R
(A=*2012.06.)											
30	1	26106-080162	BOLT, M8X 16 PLATED	4	4						
</											

Fig.17. COOLING PUMP(FRESH WATER)

(A)=3JH5E
(B)=3JH5AE
(C)=

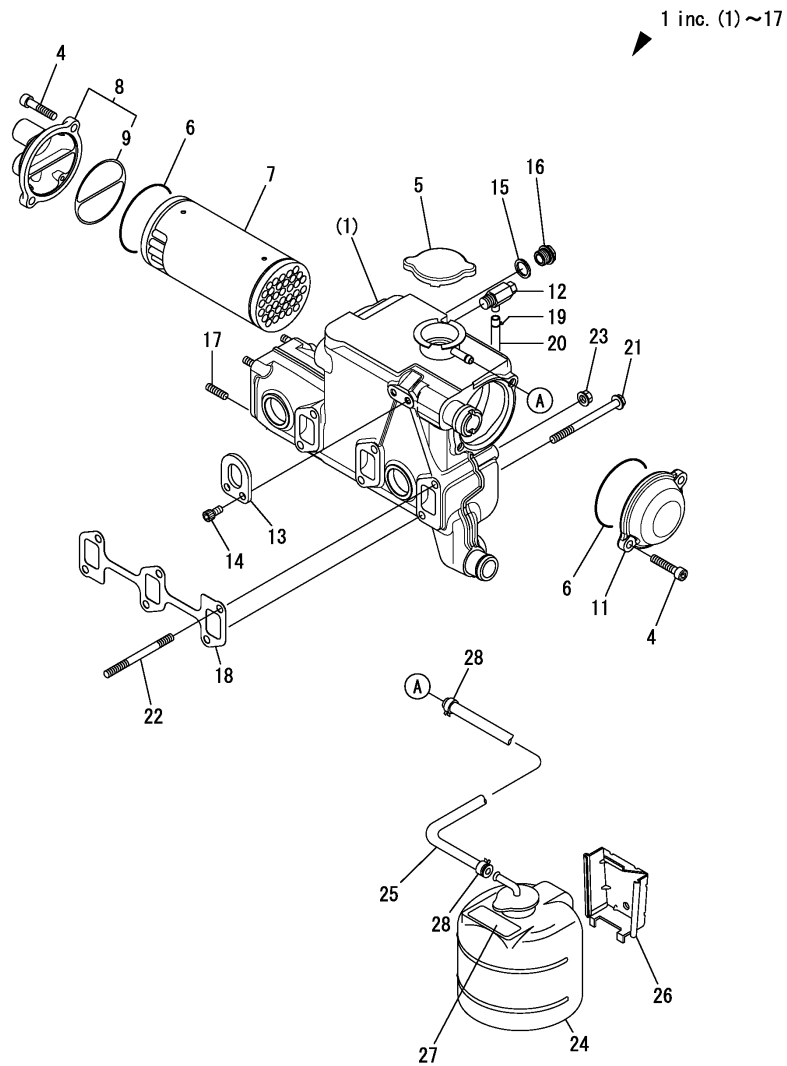
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-42001	PUMP ASSY, WATER	1	1						
2	2	129150-42059	GASKET	1	1						
3	2	129263-42120	PLATE, PUMP	1	1						
4	2	129150-42301	FLANGE	1	1						
5	2	24358-240310	O-RING, 524031	1	1						
6	2	129054-42320	O-RING	1	1						
7	2	129916-49740	PLUG, R3/8	2	2						
8	2	26106-060202	BOLT, M6X 20 PLATED	2	2						
9	2	26116-060162	BOLT, M6X 16 PLATED	3	3						
10	2	26577-060142	SCREW M 6X 14	3	3						
16	1	129486-42050	GASKET, WATER PUMP	1	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	1						
21	2	23875-030000	PLUG, R03	1	1						
22	1	26106-060102	BOLT, M6X 10 PLATED	4						Z	1
(A=E12749)											
23	1	26106-080552	BOLT, M8X 55 PLATED	2	2						
24	1	25152-004300	V-BELT, A43	1							1
24-1	1	129271-77680	BELT,ALTERNATOR	1	1					S	2
(A=E12749)											
25	1	129470-49540	COVER, THERMOSTAT	1	1						
26	1	129795-49551	GASKET	1	1						
27	1	129470-49801	THERMOSTAT, 76.5	1	1						
28	1	129470-49810	GASKET, THERMOSTAT	1							
28-1	1	129150-49811	GASKET, THERMOSTAT	1	1						R
(A=E09746)											
29	1	26106-080252	BOLT, M8X 25 PLATED	1	1						
30	1	26106-080352	BOLT, M8X 35 PLATED	1	1						
31	1	128990-49320	JOINT, 3/8	2						Z	3
(A=*2010.09.)											
32	1	128990-49320	JOINT, 3/8	2	2						4
33	1	129670-49390	COCK ASSY,R1/4XRP3/8	2	2						4
33A	1	128990-49400	CAP,WATER	2	2					W	4
(A=*2013.06.)											
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	1						
38	1	129271-42350	PULLEY,CW PUMP 6PK	1						W	2
(A=E12749)											
38-1	1	129271-42351	PULLEY,CW PUMP 6PK	1	1					N	2
(A=*2014.08.)											
39	1	26106-060122	BOLT, M6X 12 PLATED	4	4					W	2
(A=E12749)											

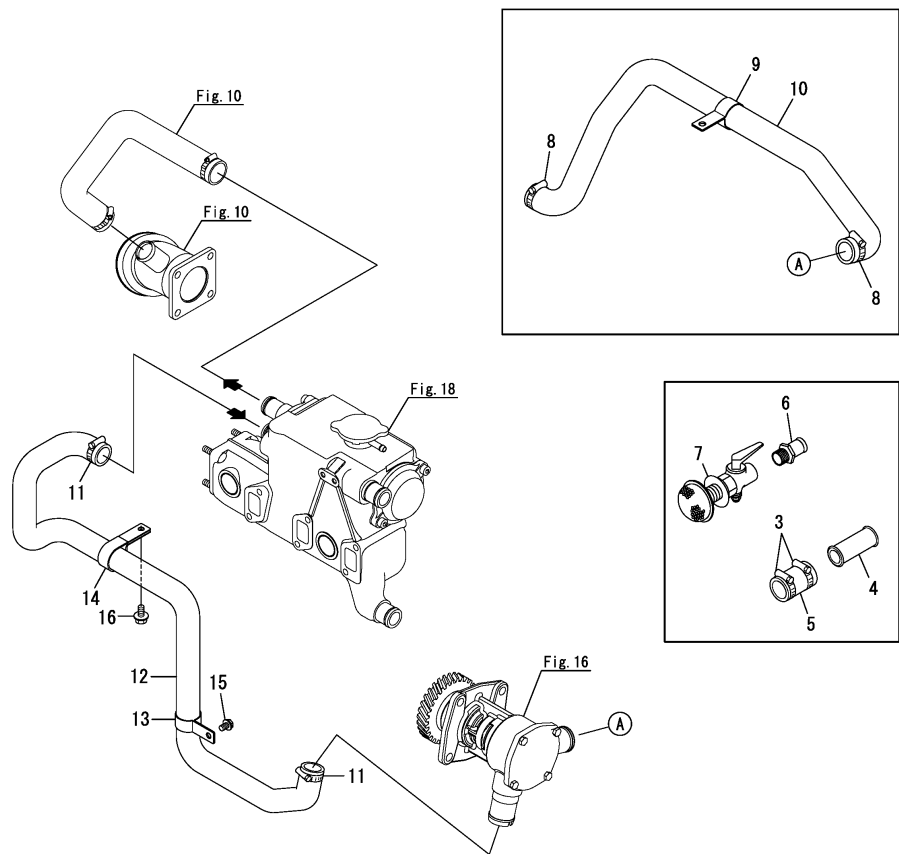
Remarks
*1 Valeo generator specification are shown in Fig.48(35A).
(1)HITACHI generator specification.
(2)Valeo generator specification.
(3)Heater kit(Without Cook assy).
(4)Heater kit(With Cook assy).

Fig.18. COOLER(FRESH WATER)



No.	Lev.	Parts No.	Description	(A)=3JH5E (B)=3JH5AE (C)=		(D)= (E)= (F)=			I	R
				(A)	(B)	(C)	(D)	(E)		
1	1	129270-44910	COOLER ASSY, WATER	1	1					
4	2	129673-44090	BOLT, M8X40	4	4					
5	2	129673-44131	CAP	1	1					
6	2	129670-44150	O-RING, 74.5X3	2	2					
7	2	129270-44410	CORE ASSY, COOLER	1	1					
8	2	129670-44430	COVER CMP,COOLER A	1	1					
9	3	120322-33050	GASKET	1	1					
11	2	129670-44450	COVER, COOLER	1	1					
12	2	119620-49290	COCK ASSY, 1/4	1	1					
13	2	129670-07230	LIFTER	1	1					
14	2	26450-080162	BOLT, M8X 16	2	2					
15	2	23414-170000	GASKET, 17X1.0	1	1					
16	2	23894-030002	PLUG, G3/8	1	1					
17	2	129670-13600	STUD	4	4					
18	1	129150-13110	GASKET, EXH.MANIFOLD	1	1					
19	1	124460-77680	RETAINER	1						Z
(A=*2013.12.)										
20	1	23061-070300	PIPE, 7X 300	1	1					
21	1	26106-081002	BOLT, M8X100 PLATED	4	4					
22	1	129693-44300	BOLT, STUD	2	2					
23	1	26306-080002	NUT, M8	2						
23-1	1	26366-080002	NUT, M8	2	2					R
(A=*2013.05.)										
24	1	128397-44500	TANK ASSY, SUB	1	1					
25	1	129270-44501	PIPE	1	1					
26	1	128397-44510	BRACKET	1	1					
27	1	129670-44570	LABEL, SUB-TANK	1	1					
28	1	23010-013000	CLAMP 13	2	2					

Fig.19. COOLING PIPE(SEA WATER)



No.	Lev.	Parts No.	Description	(A)=3JH5E (B)=3JH5AE (C)=		(D)= (E)= (F)=				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	1	129670-49500	CLIP, HOSE 38	2	2						1
4	1	129490-49070	JOINT	1	1						1
5	1	129171-49900	JOINT, RUBBER	1	1						1
6	1	43530-500570	JOINT, PIPE	1	1						1
7	1	43662-025031	COCK, KINGSTON	1	1						1
8	1	129670-49500	CLIP, HOSE 38	2	2						2
9	1	129671-49110	RETAINER	1	1						2
10	1	129271-49210	PIPE, WATER	1	1						2
11	1	129670-49500	CLIP, HOSE 38	2	2						
12	1	129271-49040	PIPE, COOLING WATER	1	1						
13	1	129271-49110	RETAINER, PIPE	1	1						
14	1	129671-49120	RETAINER	1	1						
15	1	26106-080122	BOLT, M8X 12 PLATED	1	1						
16	1	26106-080162	BOLT, M8X 16 PLATED	1	1						

Remarks
(1)Optional parts.
(2)Spare parts for SD50.

Fig.20. COOLING PIPE(FRESH WATER)

(A)=3JH5E
(B)=3JH5AE
(C)=

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

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

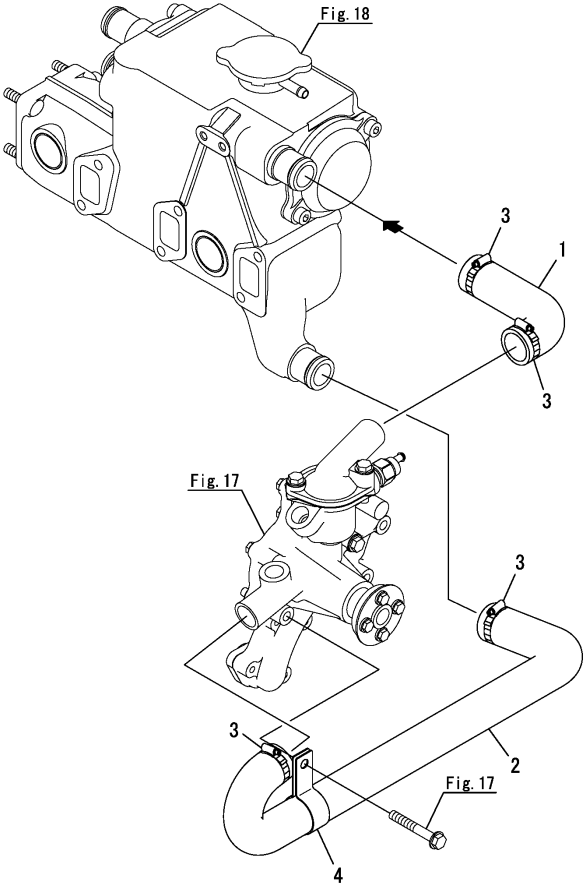
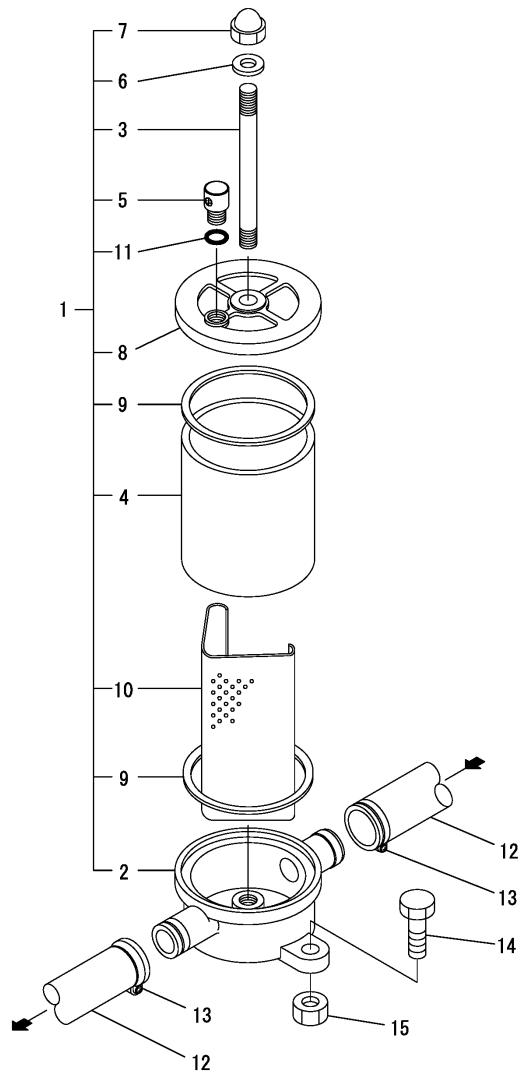


Fig.21. COOLING FILTER(SEA WATER)(OPTIONAL)



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

Fig.22. BILGE PUMP(OPTIONAL)

(A)=3JH5E
(B)=3JH5AE
(C)=

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

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

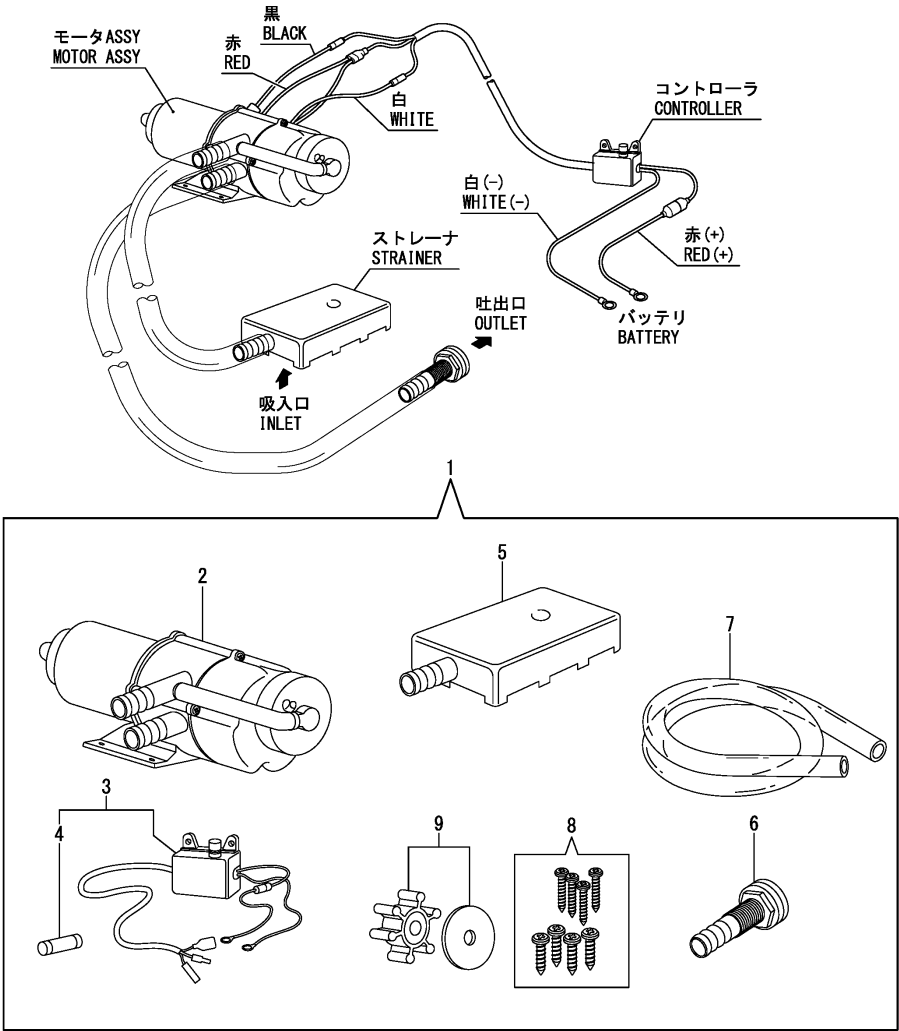
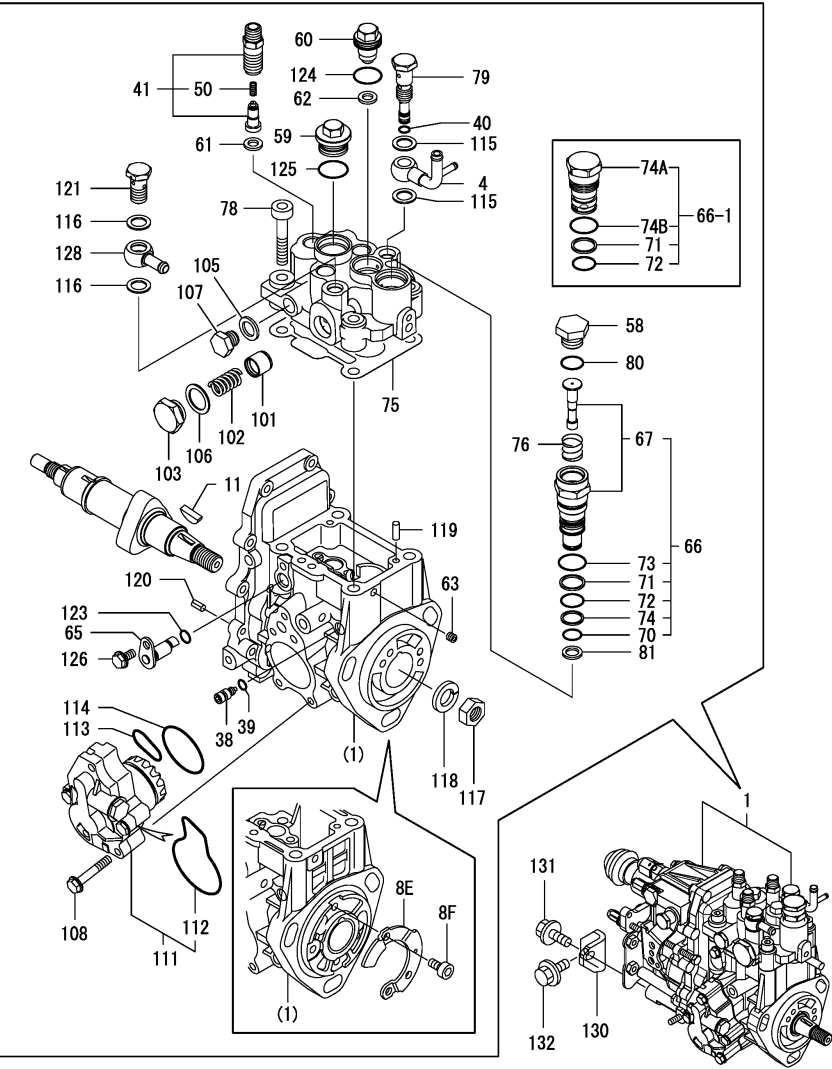


Fig.23. FUEL INJECTION PUMP

(A)=3JH5E
(B)=3JH5AE
(C)=

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

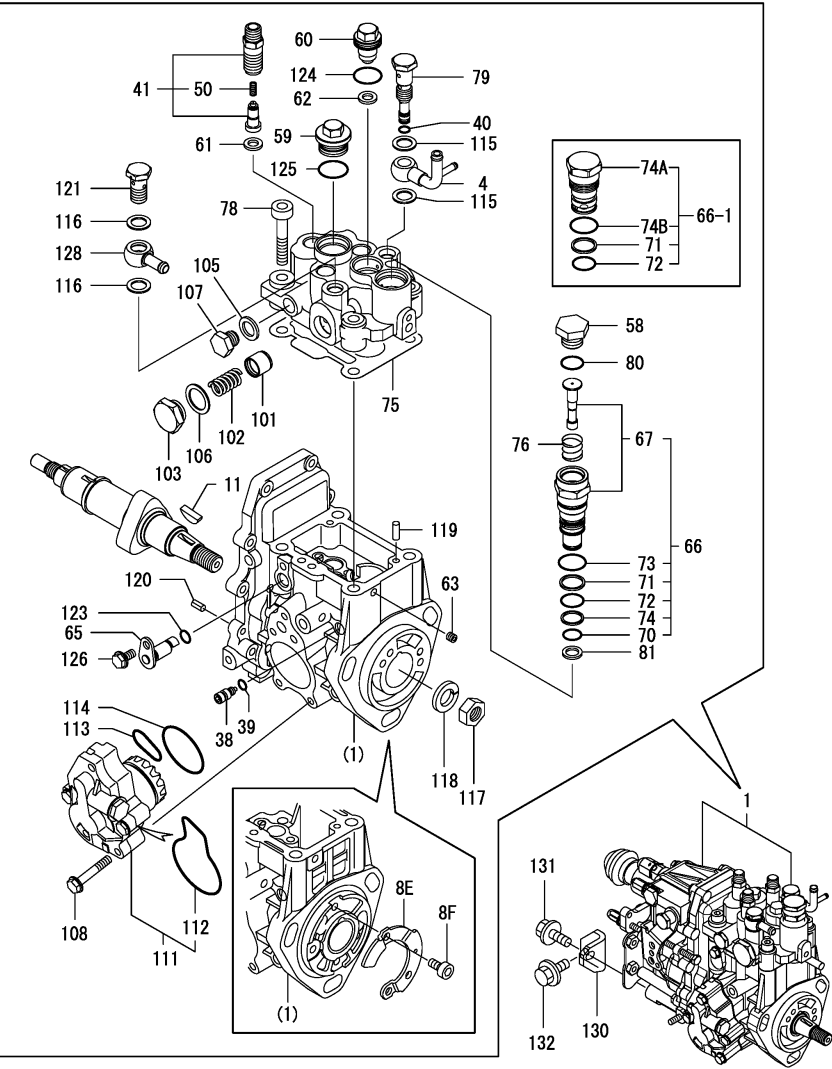


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729271-51300	PUMP ASSY, INJECTION	1	1						1
4	2	158552-51670	JOINT, OVER FLOW	1	1						
8E	2	129008-51900	COVER, PUMP	1	1						W
(A=E09262)											
8F	2	129008-51920	BOLT, SOCKET M6X10	2	2						W
(A=E09262)											
11	2	119802-51090	FEATHER KEY, 4X16	1	1						
38	2	158600-51270	STOPPER, TAPPET	1	1						
39	2	158563-51281	O-RING, 4D S6	1	1						
40	2	158563-51281	O-RING, 4D S6	1	1						
41	2	129009-51390	VALVE ASSY, DELIVERY	3	3						
50	3	158563-51330	SPRING, DELIVERY	3	3						
58	2	129670-51600	PLUG	1							Z
(A=E11201)											
59	2	158601-51550	PLUG, M22	1	1						
60	2	119802-51560	PLUG, M14	1	1						
61	2	158552-51571	GASKET, PLUG	3	3						
62	2	158552-51571	GASKET, PLUG	1	1						
63	2	158557-51570	PLUG, RACK	1	1						
65	2	158552-51580	LIFTER, LINK	1	1						
66	2	119802-51590	TIMER ASSY	1							
66-1	2	129271-51590	PLUG SET, TIMER	1	1						R
(A=E11201)											
67	3	119802-51600	TIMER ASSY	1							Z
(A=E11201)											
70	3	158553-51670	O-RING	1							Z
(A=E11201)											
71	3	119802-51680	RING, BACKUP	1	1						
72	3	119802-51690	O-RING	1	1						
73	3	24356-010200	O-RING, 4D1020	1							Z
(A=E11201)											
74	3	24372-000150	RING, BACK UP T2P15	1							Z
(A=E11201)											
74A	3	129271-51600	PLUG, TIMER	1	1						W
(A=E11201)											
74B	3	24356-190200	O-RING, 4D19020	1	1						W
(A=E11201)											
75	2	158552-51600	GASKET	1	1						
76	2	158553-51630	SPRING, TIMER	1							Z
(A=E11201)											
78	2	26450-080452	BOLT, M8X 45	4	4						
79	2	158601-51650	JOINT, OVER FLOW	1	1						
80	2	158553-51660	O-RING, P14	1							Z
(A=E11201)											
81	2	158553-51680	GASKET, TIMER	1	1						
101	2	158601-51770	PISTON, ACCUMULATOR	1	1						
102	2	158552-51781	SPRING, ACCUMULATOR	1	1						
103	2	158601-51790	PLUG	1	1						
105	2	22190-120002	WASHER, SEAL 12	1	1						
106	2	22190-180002	WASHER, SEAL 18	1	1						
107	2	23887-120002	PLUG, 12	1							

Fig.23. FUEL INJECTION PUMP

(A)=3JH5E
(B)=3JH5AE
(C)=

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

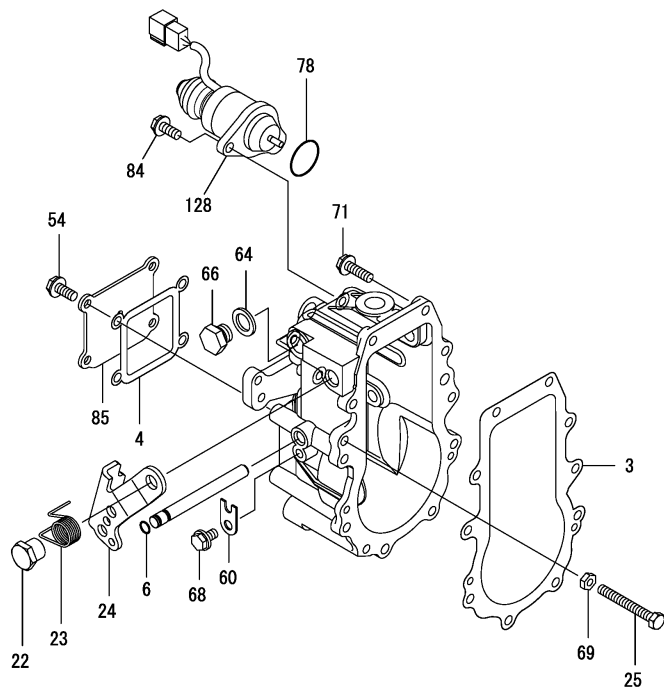


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
107-1	2	158553-51930 (A=E09262)	PLUG, M12	1	1						R
108	2	158553-51770	BOLT	4	4						
111	2	158552-52100	PUMP ASSY, FUEL FEED	1	1						
112	3	158552-52500	O-RING	1	1						
113	2	158552-52310	O-RING	1							
113-1	2	158552-52311 (A=E09518)	O-RING	1	1						R
114	2	158552-52400	O-RING, 4E S42	1	1						
115	2	22190-120002	WASHER, SEAL 12	2	2						
116	2	22190-120002	WASHER, SEAL 12	2	2						
117	2	26776-140002	NUT, LOCK M14	1	1						
118	2	22217-140000	WASHER, SPRING 14	1	1						
119	2	22312-050140	PIN, PARALLEL 5X14	2	2						
120	2	22351-050010	PIN, SPRING 5.0X10	2	2						
121	2	23857-060000	BOLT, JOINT 6	1	1						
123	2	24311-000070	O-RING, 1AP7.0	1	1						
124	2	24356-010180	O-RING, 4D1018	1							
124-1	2	24356-190180	O-RING, 4D19018	1	1						R
125	2	24356-010200	O-RING, 4D1020	1							
125-1	2	24356-190200	O-RING, 4D19020	1	1						R
126	2	26106-060102 (A=*2009.09.)	BOLT, M6X 10 PLATED	1	1						
128	2	129916-59020	JOINT, PIPE 12	1	1						
130	1	119802-51250	RETAINER, PUMP	1	1						
131	1	26106-080162	BOLT, M8X 16 PLATED	1	1						
132	1	26106-080202	BOLT, M8X 20 PLATED	1	1						

Remarks

(1)Governor(Fig.24) is incorporated in this Fuel Injection Pump(No.1).

Fig.24. GOVERNOR



No.	Lev.	Parts No.	Description	(A)=3JH5E (B)=3JH5AE (C)=		(D)= (E)= (F)=				I	R
				(A)	(B)	Q'ty (C)	(D)	(E)	(F)		
3	2	158553-61050	GASKET	1	1						
4	2	158553-61070	GASKET	1	1						
6	2	129155-51280	O-RING, S6	1	1						
22	2	129255-61410	NUT, M8	1	1						
23	2	119807-61420	SPRING, RETURN	1	1						
24	2	158552-61441	LEVER, REGULATOR	1	1						
25	2	129155-61460	BOLT, LIMITING	1	1						
54	2	26106-060142	BOLT, M6X 14 PLATED	4	4						
60	2	119660-61901	STOPPER, SHAFT	1	1						
64	2	22190-120002	WASHER, SEAL 12	1	1						
66	2	23887-120002	PLUG, 12	1							
66-1	2	158553-51930	PLUG, M12	1	1						R
(A=E09262)											
68	2	26106-060102	BOLT, M6X 10 PLATED	1	1						
69	2	26756-060002	NUT, LOCK M6	1	1						
71	2	26106-060202	BOLT, M6X 20 PLATED	10	10						
78	2	158552-61900	O-RING	1	1						
84	2	26106-060142	BOLT, M6X 14 PLATED	2	2						
85	2	129642-61060	COVER, GOVERNOR CASE	1	1						
128	2	129271-77950	SOLENOID, STOP	1	1						

Remarks

* This figure(Governor) is incorporated in the Fuel Injection Pump(Fig.23).

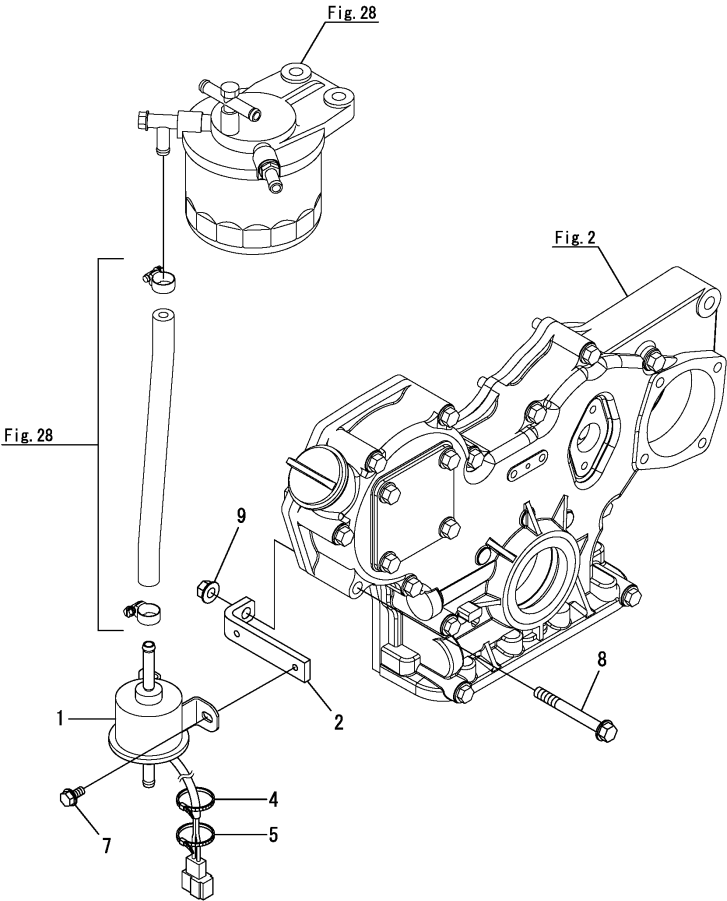
N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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Fig.25. FUEL FEED PUMP

(A)=3JH5E
(B)=3JH5AE
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119225-52102	PUMP, FUEL FEED	1	1						
2	1	129670-55010	BRACKET, PUMP	1	1						
4	1	121750-59890	BAND, NYLON	1							
4-1	1	128990-59890	BAND,200	1	1						R
(A=*2013.07.)											
5	1	121750-59890	BAND, NYLON	1							
5-1	1	128990-59890	BAND,200	1	1						R
(A=*2013.07.)											
7	1	26106-060122	BOLT, M6X 12 PLATED	2	2						
8	1	26106-080702	BOLT, M8X 70 PLATED	1	1						
9	1	26306-080002	NUT, M8	1							
9-1	1	26366-080002	NUT, M8	1	1						R
(A=*2013.05.)											

Fig.26. FUEL INJECTION VALVE

(A)=3JH5E
(B)=3JH5AE
(C)=

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

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

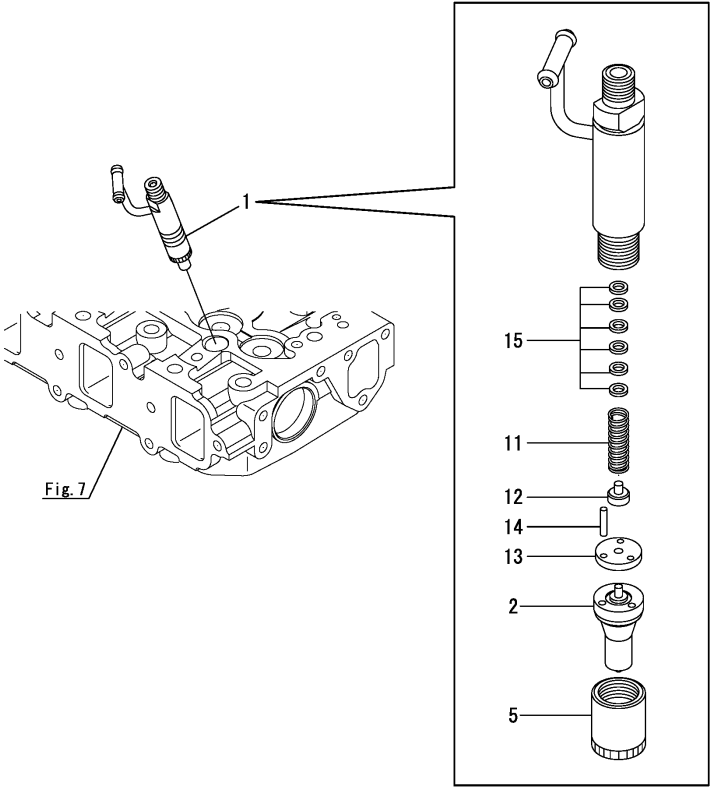


Fig.27. FUEL INJECTION PIPE

(A)=3JH5E
(B)=3JH5AE
(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	1						
4	2	129150-59131	BOLT, M4X14	2	2						
6	1	129271-59960	PIPE ASSY, INJECTION	1	1						
7	1	129271-59970	PIPE ASSY, INJECTION	1	1						
8	1	129271-59980	PIPE ASSY, INJECTION	1	1						

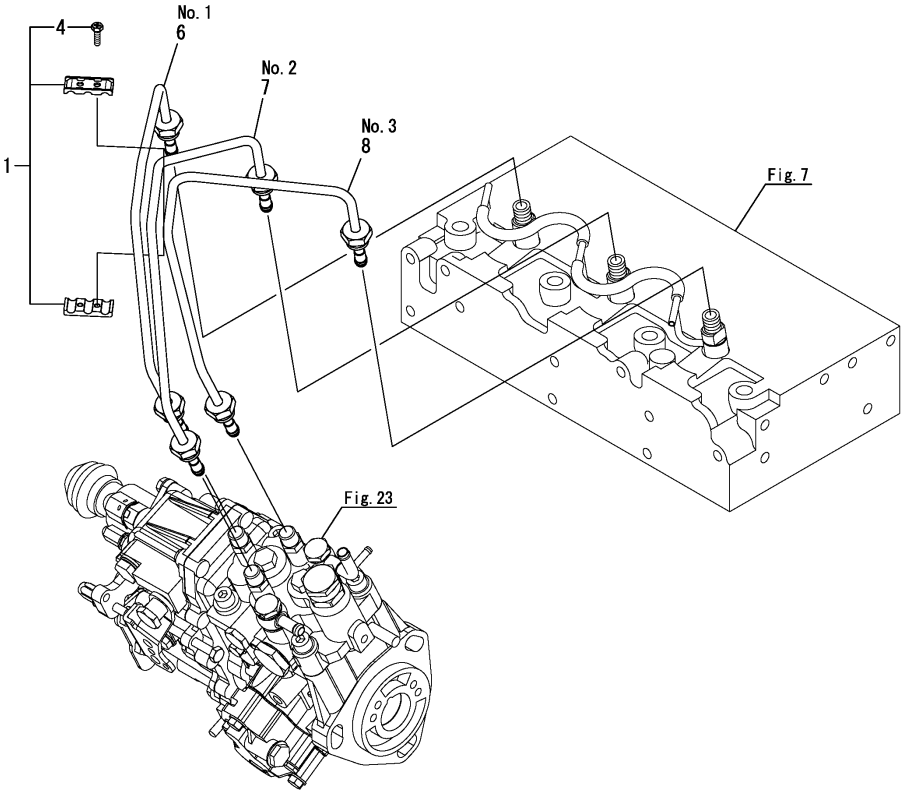
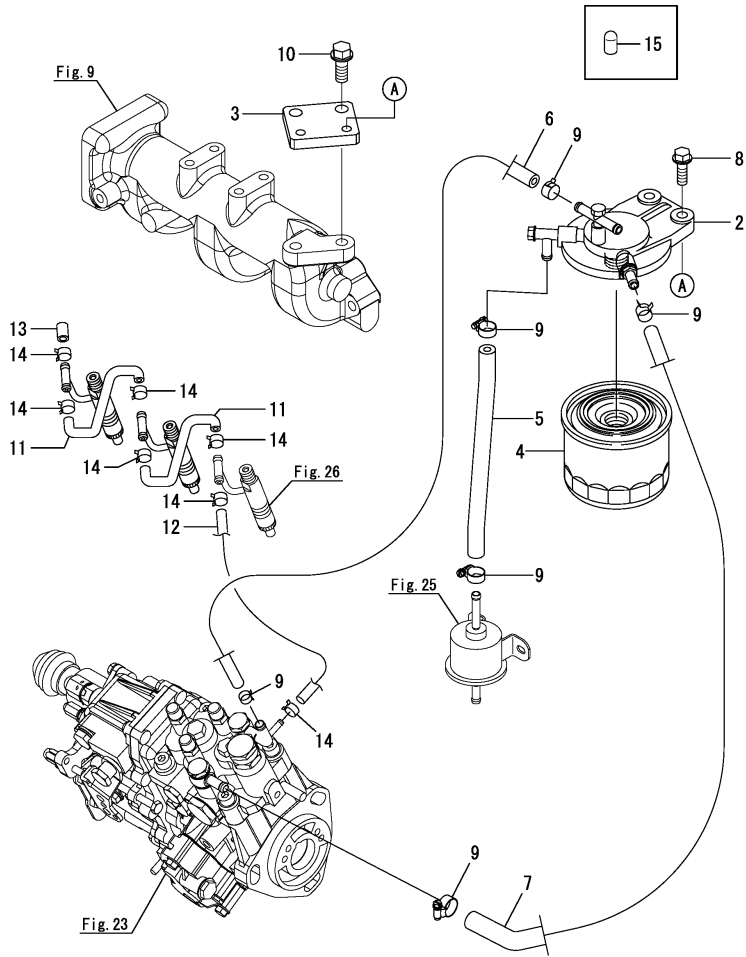


Fig.28. FUEL PIPE & FUEL FILTER



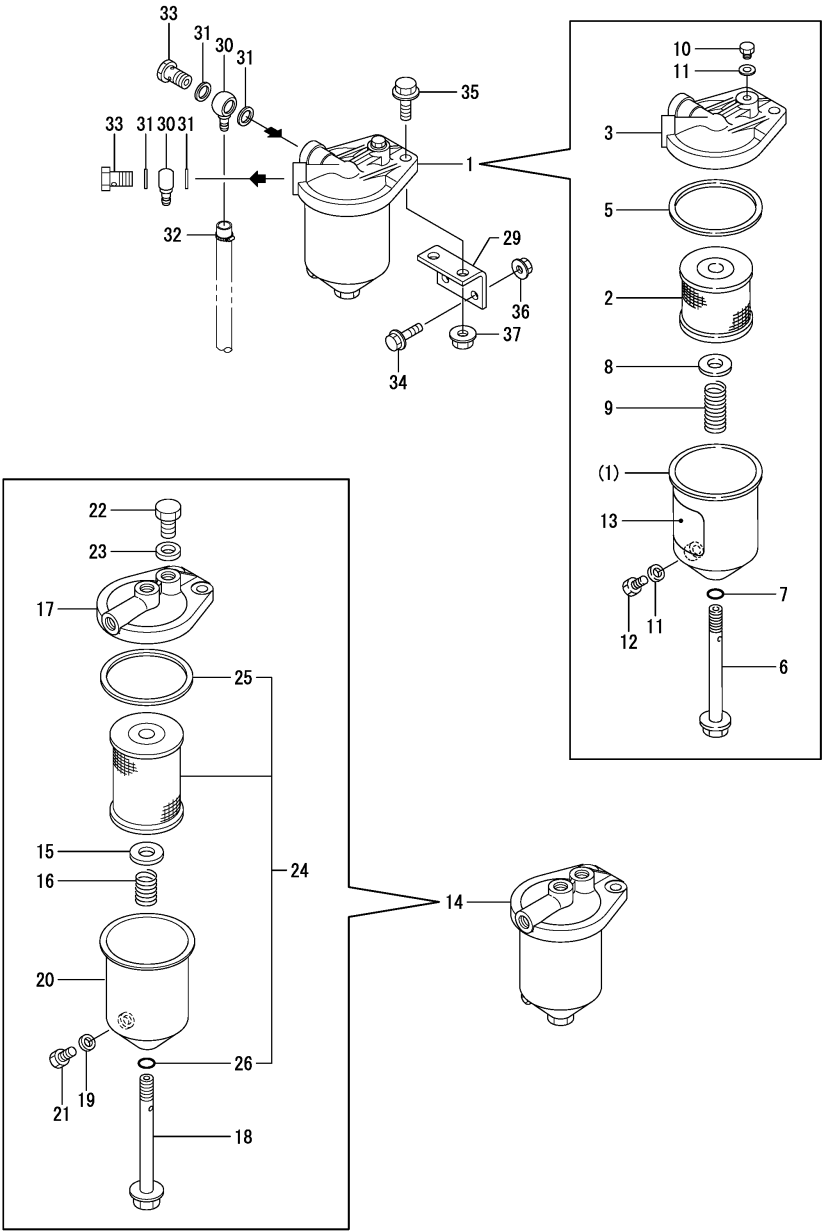
(A)=3JH5E
(B)=3JH5AE
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	129004-55612	BRACKET, FILTER	1	1						
3	1	129271-55670	BRACKET,FO FILTER	1	1						
4	1	119802-55810	FILTER,FO	1							
5	1	129670-59110	PIPE, FUEL	1	1						
6	1	129670-59140	PIPE, FUEL OIL	1	1						
7	1	129670-59150	PIPE, FUEL	1	1						
8	1	26106-080252	BOLT, M8X 25 PLATED	2	2						
9	1	23000-016000	CLAMP, 16	6	6						
10	1	26106-100252	BOLT, M10X 25 PLATED	2	2						
11	1	129270-59550	PIPE, FUEL	2	2						
12	1	129470-59562	PIPE, FUEL	1	1						
13	1	129270-59580	CAP	1	1						
14	1	23000-013000	CLAMP, 13	7	7						
15	1	128990-59900	CAP,FUEL IN-OUT	2	2						
(A=*2013.05.)											
											W 1

Remarks
(1)For fuel inlet and outlet.

Fig.29. WATER SEPARATOR



(A)=3JH5E
(B)=3JH5AE
(C)=

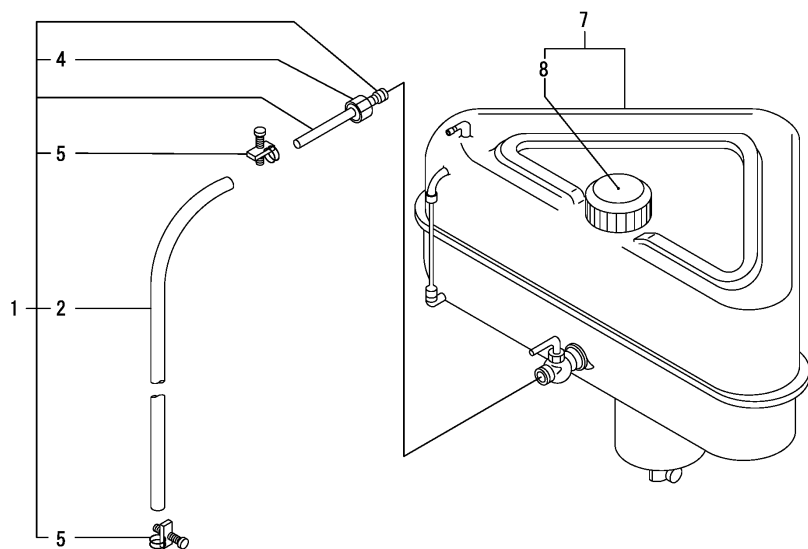
(D)=
(E)=
(F)=

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=*2011.08.)											
2	2	120324-55760	ELEMENT	1	1						
3	2	X2740134002	COVER ASSY	1	1						
5	2	X0582810173	GASKET	1	1						
6	2	X0311121522	BOLT	1	1						
7	2	X0580121073	O-RING, 1A P 12.0	1	1						
8	2	X0300120414	SEAT, SPRING	1	1						
9	2	X0600160122	SPRING	1	1						
10	2	X0314080110	PLUG	1	1						
11	2	X0588080273	WASHER	2	2						
12	2	X0313080922	BOLT	1	1						
13	2	X0993071171	LABEL, CAUTION	1	1						
14	1	129670-55750	SEPARATOR ASSY	1	1					W	1
(A=*2011.08.)											
15	2	123325-35160	WASHER	1	1						
16	2	123325-35170	SPRING	1	1						
17	2	129495-55610	BODY, STRAINER	1	1						
18	2	129495-55620	BOLT	1	1						
19	2	123672-55760	GASKET	1	1						
20	2	129065-55760	CASE, SEPARATOR	1	1						
21	2	129065-55770	PLUG, DRAIN M8	1	1						
22	2	129065-55800	PLUG, M14	1	1						
23	2	123678-55890	GASKET, PLUG	1	1						
24	2	41650-502320	ELEMENT ASSY(D72XL90	1	1						
25	3	123325-35140	GASKET	1	1						
26	3	24311-000120	O-RING, 1AP12.0	1	1						
29	1	129670-55810	BRACKET	1	1						
30	1	121750-59910	JOINT, BALL	2	2						
31	1	22190-140002	WASHER, SEAL 14	4	4						
32	1	23000-013000	CLAMP, 13	2	2						
33	1	23857-080000	BOLT, JOINT 8	2	2						
34	1	26106-080302	BOLT, M8X 30 PLATED	2	2						
35	1	26106-100302	BOLT, M10X 30 PLATED	2	2						
36	1	26306-080002	NUT, M8	2	2						
37	1	26306-100002	NUT, M10	2	2						

Remarks

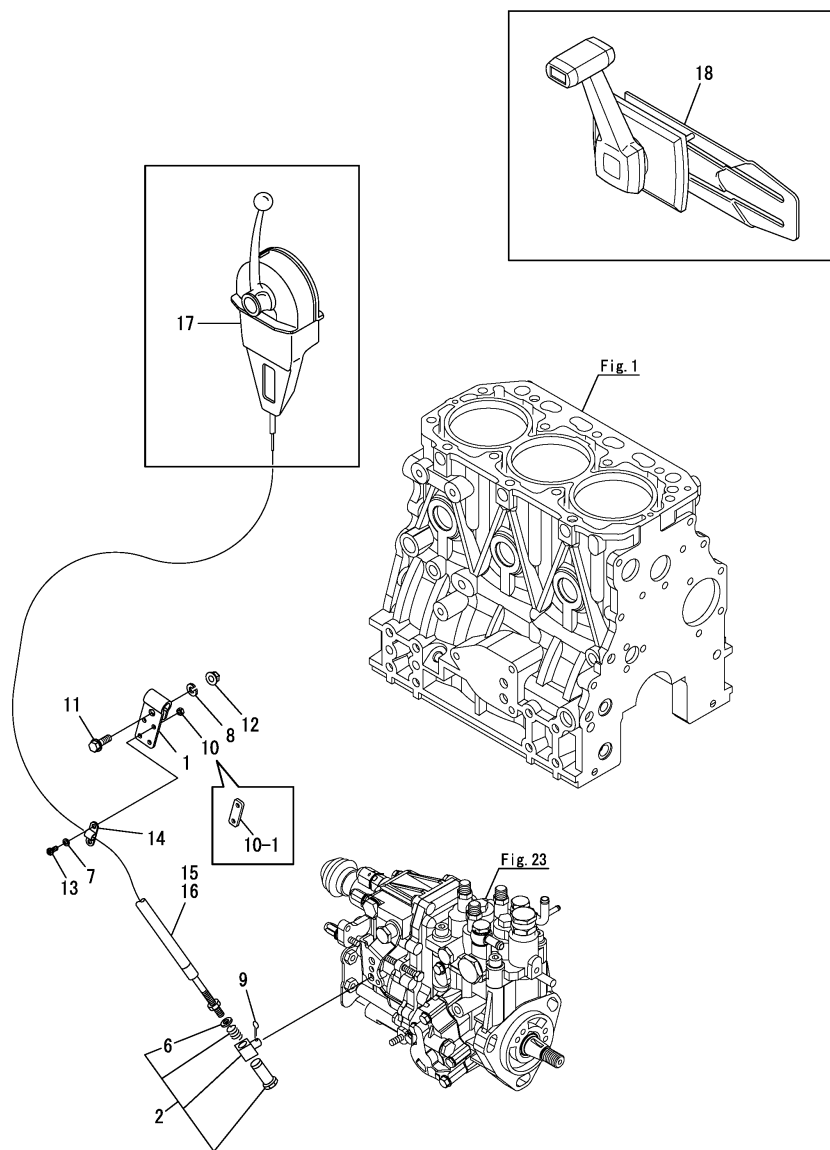
(1)Interchangeability of No.1 & 14 applies to 'N'.

Fig.30. FUEL TANK(OPTIONAL)



No.	Lev.	Parts No.	Description	(A)=3JH5E (B)=3JH5AE (C)=		(D)= (E)= (F)=				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128990-59700	PIPE ASSY, FUEL	1	1						
2	2	128990-59131	PIPE, FUEL	1	1						
4	2	138603-59380	CAP NUT	1	1						
5	2	23010-014000	CLAMP, 14	2	2						
7	1	83213-003012	TANK ASSY, FUEL OIL	1	1						
8	2	105430-55041	CAP ASSY	1	1						

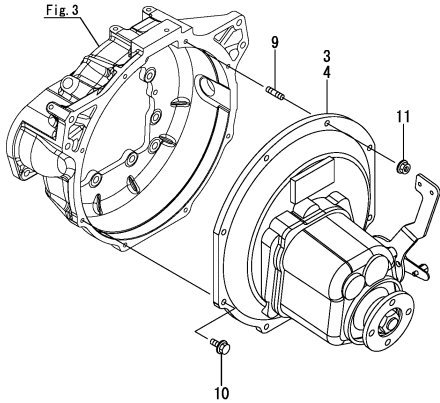
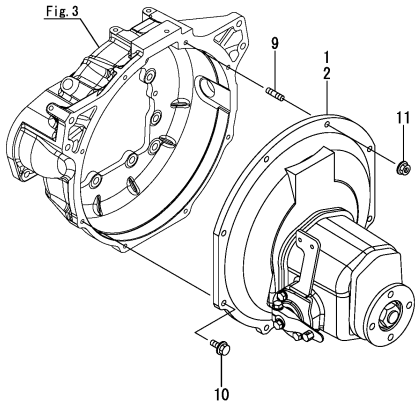
Fig.31. CABLE SUPPORT & REMOTE CONTROL



				(A)=3JH5E (B)=3JH5AE (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	1							
2	1	129470-67200	RETAINER ASSY	1	1							
6	2	22242-000100	RING, 10	1	1							
7	1	22217-050000	WASHER, SPRING 5	2	2							
8	1	22217-080000	WASHER, SPRING 8	2	2							
9	1	22414-250150	PIN, COTTER 2.5X15	1	1							
10	1	26716-050002	NUT, M5	2								
10-1	1	121574-86320	RETAINER	1	1						R	
(A=*2013.07.)												
11	1	26106-080252	BOLT, M8X 25 PLATED	1	1							
12	1	26306-080002	NUT, M8	1								
12-1	1	26366-080002	NUT, M8	1	1						R	
(A=*2013.05.)												
13	1	26557-050122	SCREW, M5X12	2								
13-1	1	26557-050202	SCREW, M5X20	2	2						R	
(A=*2013.07.)												
14	1	41710-000410	CLAMP	1	1							
15	1	41710-000380	CABLE L=4000	2							1	
15-1	1	27730-301400	CABLE (L=4000)	2	2						R 1	
(A=*2012.06.)												
16	1	129470-86500	CABLE, L=7000	2	2						1	
17	1	41730-000681	MT-3 REMO-CON	1	1						1	
18	1	128170-86501	REMOCON HEAD (MN	1	1						1	

Remarks
(1)Optional parts.

Fig.32. CLUTCH & GENERATOR(OPTIONAL)



- Remarks
- (1)KM35P(Reduction ratio 2.61).
 - (2)KM35P(Reduction ratio 2.36).
 - (3)KM35A(Reduction ratio 2.33).
 - (4)KM35A(Reduction ratio 2.64).
 - (5)Generator system for sail drive(3kVA)(Not illustrated).
 - (6)Generator system for sail drive(6kVA)(Not illustrated).
 - (7)Generator system for KM35A, KM35P(3kVA)(Not illustrated).
 - (8)Generator system for KM35A, KM35P(6kVA)(Not illustrated).
 - (9)Joint bolt for SD60(Not illustrated).

OCR10-M74901 Fig.32										
				(A)=3JH5E (B)=3JH5AE (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	1					1
2	1	129270-81110	CLUTCH ASSY, 2.36	1	1					2
3	1	129270-81170	CLUTCH ASSY, 2.33	1	1					3
4	1	129270-81180	CLUTCH ASSY, I=2.64	1	1					4
5	1	129670-77800	GENERATER	1	1					5
6	1	129670-77810	GENERATER	1	1					6
7	1	129670-77820	GENERATER	1	1					7
8	1	129670-77830	GENERATER	1	1					8
9	1	129670-13600	STUD	2	2					
10	1	26106-080202	BOLT, M8X 20 PLATED	6	6					
11	1	26306-080002	NUT, M8	2						
11-1	1	26366-080002	NUT, M8	2	2					R
(A=*2013.05.)										
12	1	26106-080182	BOLT, M8X 18 PLATED	8	8					W 9
(A=*2013.01.)										

Fig.51. (32B)PROPELLER NUT

(A)=3JH5E
(B)=3JH5AE
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	796450-09200	NUT ASSY, PROPELLER	1	1						W
(A=*2013.06.)											
2	2	196440-09150	BOLT, M8X105	1	1						
3	2	196440-09160	SPACER	1	1						
4	2	196440-09170	NUT, NYLON	1	1						
5	2	196440-09180	NUT, M8	1	1						
6	2	196440-09200	NUT ASSY, PROPELLER	1	1						
8	3	196440-09220	INSERT, 20X2.0X1.0D	1	1						
9	2	196420-09220	WASHER, PROPELLER	1	1						
10	2	26793-080002	NUT, LOCK M8	1	1						

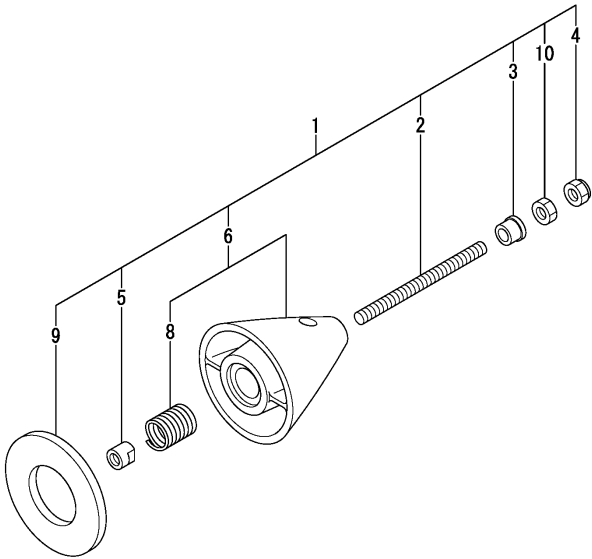
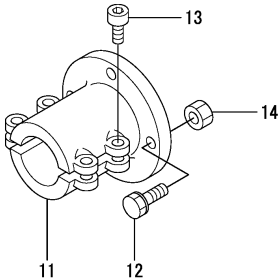
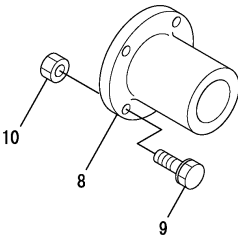
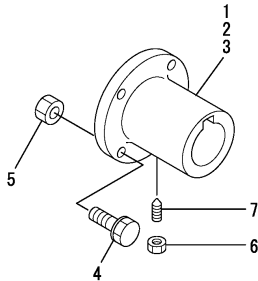


Fig.33. COUPLING(OPTIONAL)



Remarks
(1)Taper coupling.
(2)Straight coupling.
(3)Slit coupling.

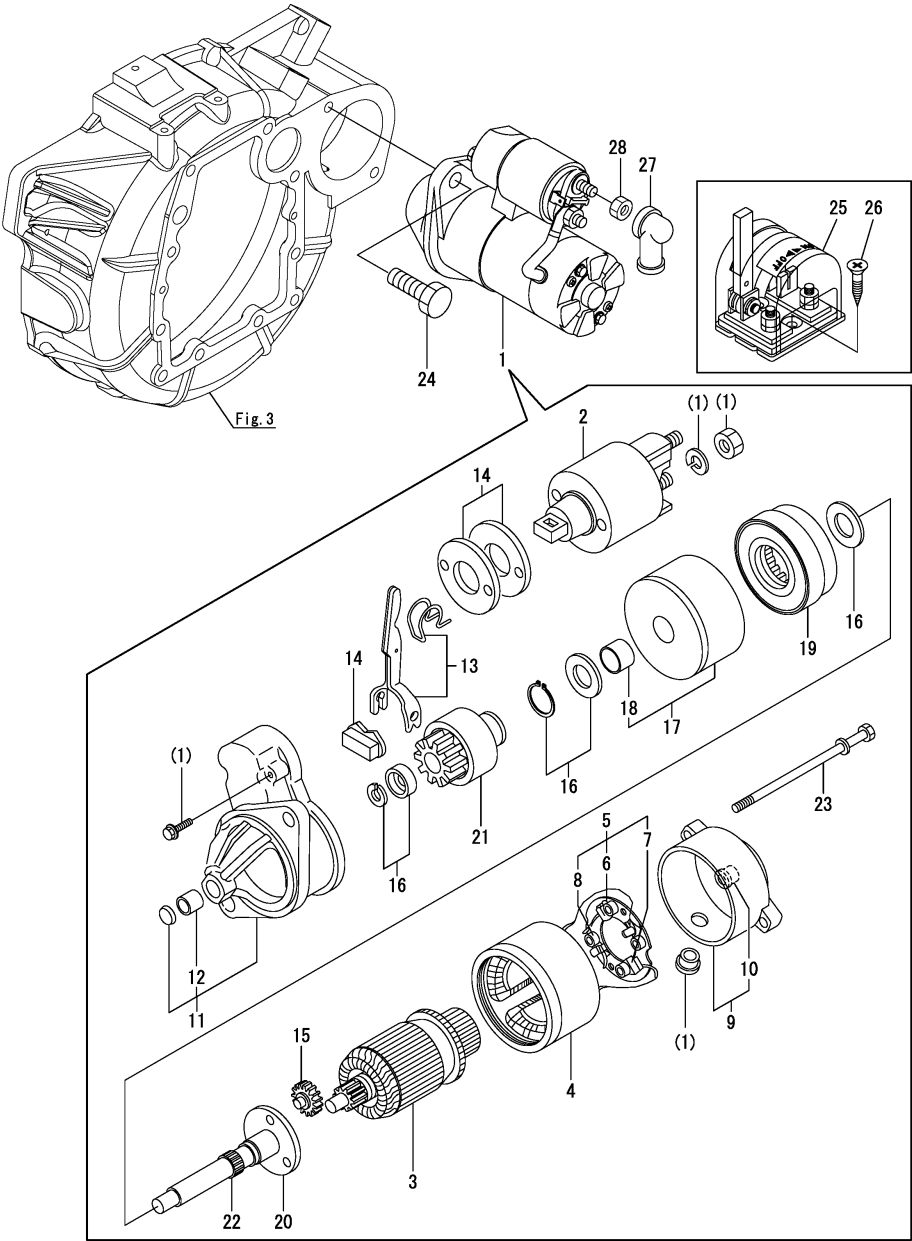
OCR10-M74901 Fig.33									
(A)=3JH5E (B)=3JH5AE (C)=									
(D)= (E)= (F)=									
Q'ty									
I R									
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)
1	1	48110-032502	COUPLING, 30	1					
(A=*2010.09.)									
2	1	129171-85900	COUPLING, TAPER 32	1					
(A=*2010.09.)									
3	1	129670-85900	COUPLING, TAPER 34	1					
(A=*2010.09.)									
4	1	26106-100322	BOLT, M10X 32 PLATED	4					
(A=*2010.09.)									
5	1	26706-100002	NUT, M10	4					
(A=*2010.09.)									
6	1	26756-080002	NUT, LOCK M8	1					
(A=*2010.09.)									
7	1	48110-032411	SCREW	1					
(A=*2010.09.)									
8	1	105583-85900	COUPLING, 22	1					
(A=*2010.09.)									
9	1	26106-100322	BOLT, M10X 32 PLATED	4					
(A=*2010.09.)									
10	1	26706-100002	NUT, M10	4					
(A=*2010.09.)									
11	1	104214-83980	COUPLING	1					
(A=*2010.09.)									
12	1	26106-100322	BOLT, M10X 32 PLATED	4					
(A=*2010.09.)									
13	1	26450-080302	BOLT, M8X 30	4					
(A=*2010.09.)									
14	1	26706-100002	NUT, M10	4					
(A=*2010.09.)									

Fig.34. STARTER MOTOR

(A)=3JH5E
(B)=3JH5AE
(C)=

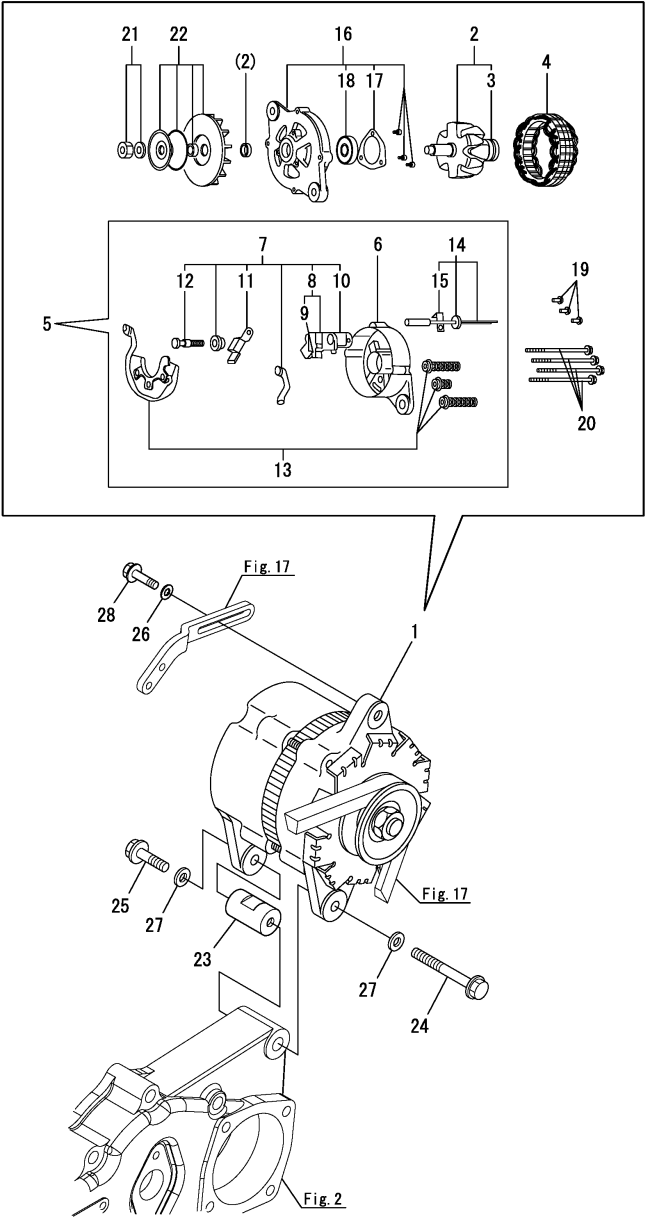
(D)=
(E)=
(F)=

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



Remarks
(1)Optional parts.

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



(A)=3JH5E
(B)=3JH5AE
(C)=

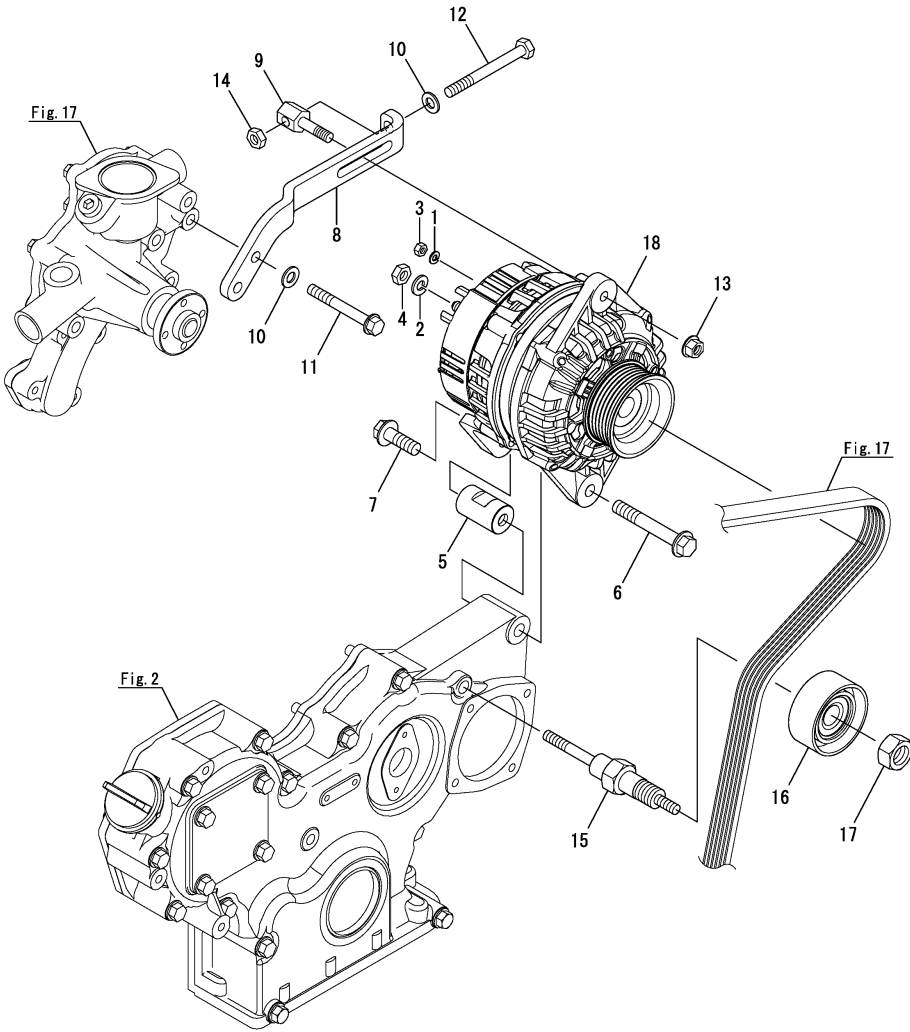
(D)=
(E)=
(F)=

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 figure is applicable to [(A)=E12748] or previous machines(Refer to Fig.48(35A)).

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



(A)=3JH5E
(B)=3JH5AE
(C)=

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

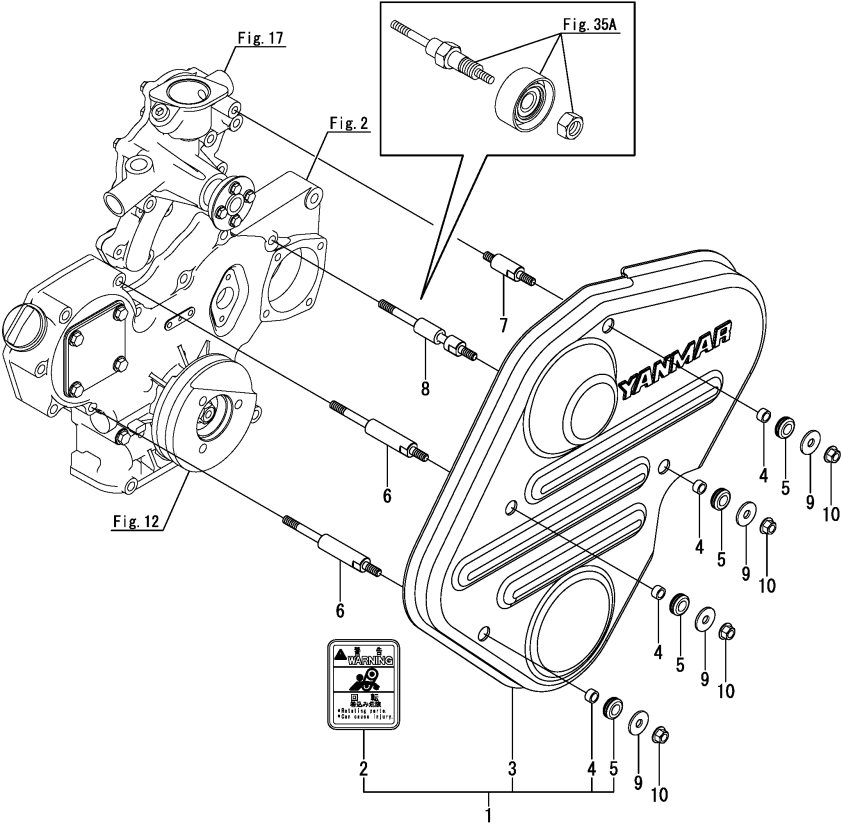
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	22217-050000	WASHER, SPRING 5	2	2						
2	1	22217-080000	WASHER, SPRING 8	1	1						
3	1	26716-050002	NUT, M5	2	2						
4	1	26756-080002	NUT, LOCK M8	1	1						
5	1	129670-77350	PIECE	1	1						
6	1	129670-77370	BOLT 10X 70	1	1						
7	1	129670-77380	BOLT 10X 30	1	1						
8	1	129271-77631	ADJUSTER, BELT	1	1						
9	1	129271-77641	BOLT,ADJUSTER	1	1						
10	1	22137-080000	WASHER, 8	2	2						
11	1	26106-080652	BOLT, M8X 65 PLATED	1	1						
12	1	26116-080804	BOLT, M8X 80 PLATED	1	1						
13	1	26366-080002	NUT, M8	1	1						
14	1	26716-080002	NUT, M8	1	1						
15	1	129271-77651	BOLT,IDLER BELT	1	1						
16	1	129271-77660	IDLER ASSY,BELT 25.5	1	1						
17	1	26716-160002	NUT, M16	1	1						
18	1	128990-77250	ALTERNATOR,12V-120A	1	1						W

(A=E12749)

Remarks

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

Fig.36. COVER(V-BELT)



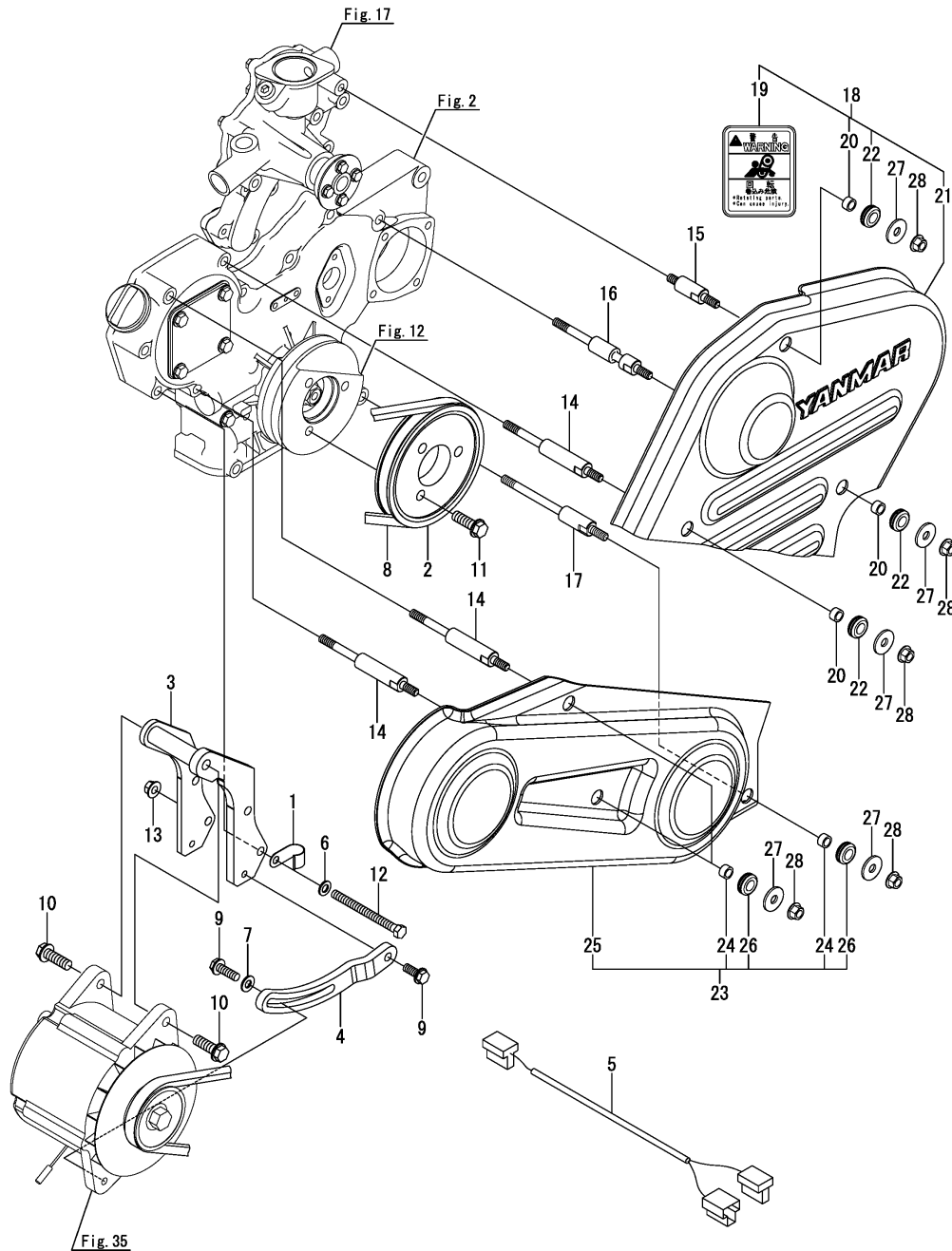
(A)=3JH5E
(B)=3JH5AE
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-77390	COVER,BELT CMP	1	1						W
(A=*2008.11.)											
2	2	128377-07350	LABEL, CAUTION	1	1						W
(A=*2008.11.)											
3	2	129271-77401	COVER, BELT	1	1						
4	2	128990-77430	COLLAR	4	4						
5	2	128990-77610	GROMMET	4	4						
6	1	129271-77410	BOLT	2							
6-1	1	129271-77411	BOLT,BELT COVER	2	2					S	1
(A=E12749)											
7	1	129271-77420	BOLT	1							
7-1	1	129271-77421	BOLT,BELT COVER	1	1					S	1
(A=E12749)											
8	1	129271-77430	BOLT	1							Z
(A=E12749)											
9	1	22157-080000	WASHER, 8	4	4						
10	1	26306-080002	NUT, M8	4							
10-1	1	26366-080002	NUT, M8	4	4						R
(A=E12749)											

Remarks
(1)Valeo generator specification.

Fig.37. GENERATOR KIT(2ND)(80A)(OPTIONAL)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-03100	RETAINER, PIPE	1							Z
2	1	129271-21350	V-PULLEY	1							Z
3	1	129271-77311	BRACKET,ALTERNATOR	1							Z
4	1	129271-77330	ADJUSTER	1							Z
5	1	129271-77931	HARNESS,ALTERNATOR	1							Z
6	1	22137-080000	WASHER, 8	2							Z
7	1	22137-080000	WASHER, 8	1							Z
8	1	25132-003800	V-BELT, A38	1							Z
9	1	26106-080252	BOLT, M8X 25 PLATED	2							Z
10	1	26106-100302	BOLT, M10X 30 PLATED	2							Z
11	1	26106-100302	BOLT, M10X 30 PLATED	3							Z
12	1	26116-080904	BOLT, M8X 90 PLATED	2							Z
13	1	26306-080002	NUT, M8	2							Z
14	1	129271-77410	BOLT	3							
14-1	1	129271-77411	BOLT,BELT COVER	3							S
14-2	1	129271-77411	BOLT,BELT COVER	3							Z
15	1	129271-77420	BOLT	1							
15-1	1	129271-77421	BOLT,BELT COVER	1							S
15-2	1	129271-77421	BOLT,BELT COVER	1							Z
16	1	129271-77430	BOLT	1							Z
17	1	129271-77440	BOLT	1							Z
18	1	129271-77480	COVER,BELT CMP	1							W
18-1	1	129271-77480	COVER,BELT CMP	1							Z
19	2	128377-07350	LABEL, CAUTION	1							W
19-1	2	128377-07350	LABEL, CAUTION	1							Z
20	2	128990-77430	COLLAR	3							Z
21	2	129271-77501	COVER, BELT	1							Z

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
 ++ CONTINUE ++
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Fig.37. GENERATOR KIT(2ND)(80A)(OPTIONAL)

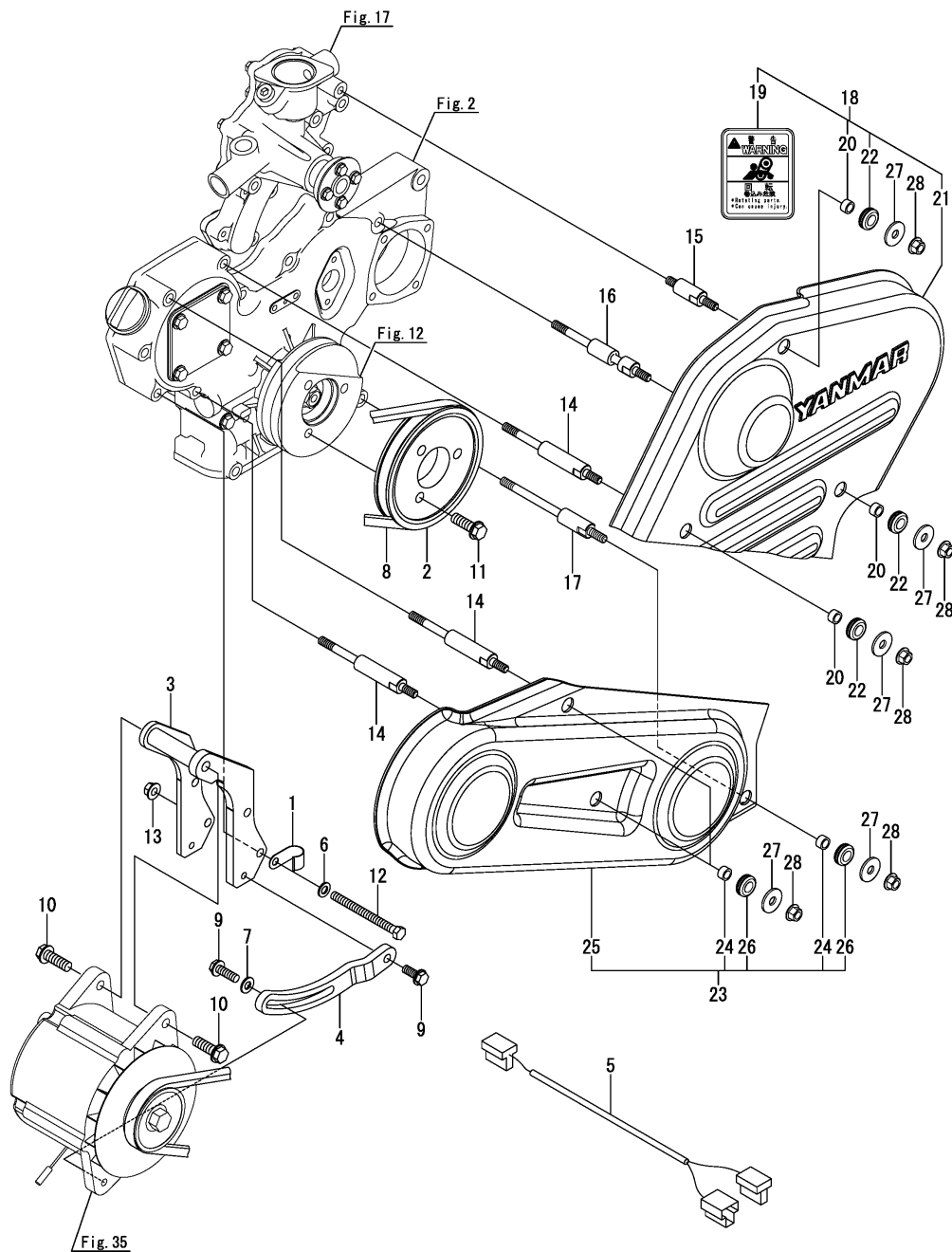
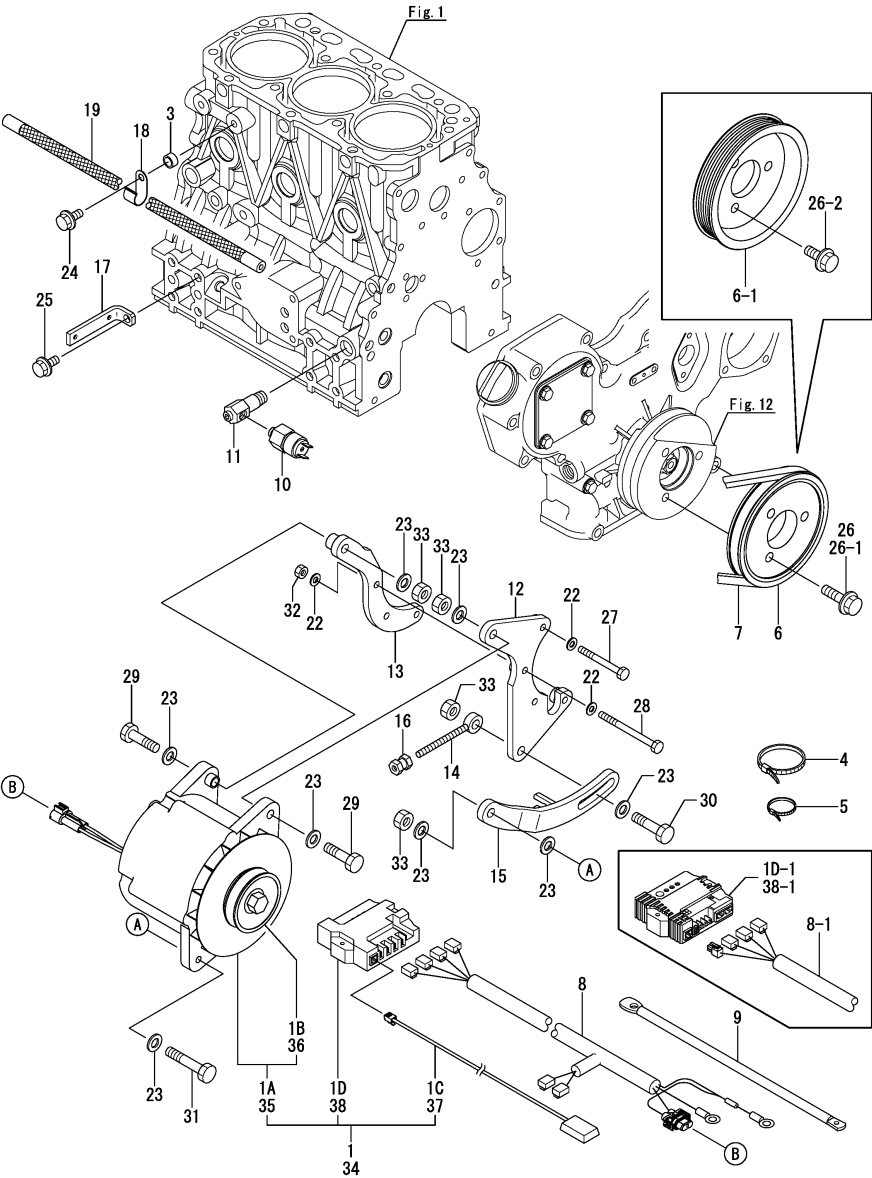
[illegible]

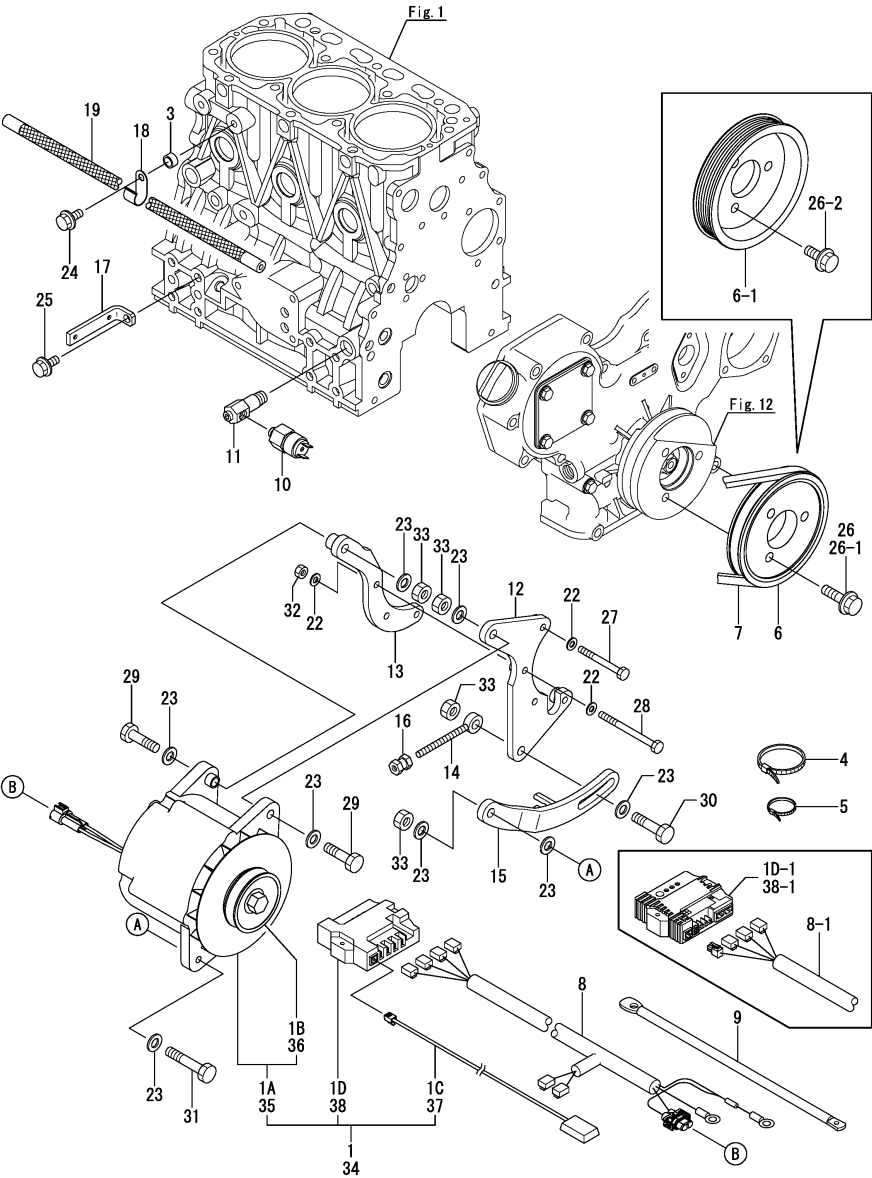
Fig.45. (37A)GENERATOR KIT(2ND)(75A/130A)(OPTIONAL)



Remarks
(1)Interchangeable by simultaneous replacement with No.8-1.
(2)12V specification : No.1D-1 & 8-1 interchangeable by set.
24V specification : No.38-1 & 8-1 interchangeable by set.
(3)Interchangeable by simultaneous replacement with No.26-2.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-77220	ALTERNATOR, 12V-130A	1							
1-1	1	129271-77221	ALTERNATOR ASSY,12V	1	1					S	1
(A=*2015.01.)											
1A	2	129271-77580	ALTERNATOR,12V-130A	1	1						W
(A=*2011.07.)											
1B	3	129271-77240	PULLEY,ALTERNATOR	1	1						
1C	2	129271-77620	HARNESS,BATT SENSING	1	1						W
(A=*2011.07.)											
1D	2	129271-77600	REGULATOR ASSY,12V	1							W
(A=*2011.07.)											
1D-1	2	129271-77720	REGULATOR ASSY,ALPHA	1	1					S	2
(A=*2015.01.)											
3	1	129301-34830	SPACER	1	1						
4	1	194250-51660	BAND, NYLON 250	1							
4-1	1	29622-250001	BAND, RF250	1							R
(A=*2011.07.)											
4-2	1	29622-250001	BAND, RF250	1							Z
(A=*2013.07.)											
5	1	121750-59890	BAND, NYLON	2							
5-1	1	128990-59890	BAND,200	3	3						R
(A=*2013.07.)											
6	1	129271-77250	PULLEY,CRANK	1							
6-1	1	129271-77251	PULLEY, CRANK 6PK	1	1					F	3
(A=*2014.04.)											
7	1	129271-77260	BELT,6PK1060	1	1						
8	1	129271-77270	WIREHARNESS,ALTERNAT	1							
8-1	1	129271-77271	HARNESS,WIRE ALTERNA	1	1					S	2
(A=*2015.01.)											
9	1	129271-77280	GROUND CABLE	1	1						
10	1	129271-77290	SWITCH,OIL PRESSURE	1	1						
11	1	129271-77320	DAMPER CMP(R 1/4	1	1						
12	1	129271-77340	BRACKET,ALT FRONT	1							
12-1	1	129271-77341	BRACKET,ALTERNATOR F	1	1						S
(A=E12749)											
13	1	129271-77350	BRACKET,ALT REAR	1							
13-1	1	129271-77351	BRACKET,ALTERNATOR R	1	1						S
(A=E12749)											
14	1	129271-77360	ADJUSTER,ALTERNATOR	1	1						
15	1	129271-77370	BRACKET,ADJUSTER	1	1						
16	1	129271-77380	NUT,ADJUSTER	1	1						
17	1	129271-77450	BRACKET, FEED PUMP	1	1						
18	1	129271-77460	SUPPORT,FUEL HOSE	1	1						
19	1	129271-77470	FUEL HOSE,845	1	1						
22	1	22137-080000	WASHER, 8	7	7						
23	1	22137-120000	WASHER, 12	8	8						
24	1	26106-080222	BOLT, M8X 22 PLATED	1	1						
25	1	26106-100222	BOLT, M10X 22 PLATED	1	1						
26	1	26106-100352	BOLT, M10X 35 PLATED	3							
26-1	1	26106-100402	BOLT, M10X 40 PLATED	3							S
(A=E12749)											
26-2	1	26106-100252	BOLT, M10X 25 PLATED	3	3						S

Fig.45. (37A)GENERATOR KIT(2ND)(75A/130A)(OPTIONAL)



(A)=3JH5E
(B)=3JH5AE
(C)=

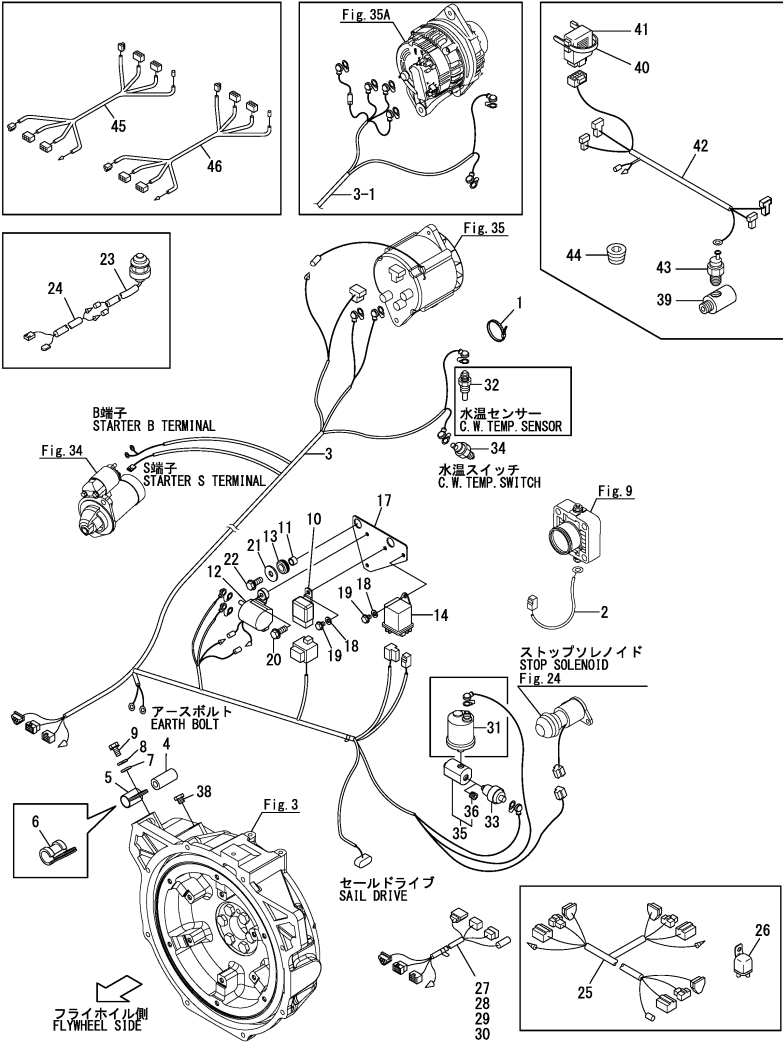
(D)=
(E)=
(F)=

				(A)=3JH5E (B)=3JH5AE (C)=	(D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	(A)	(B)	Q'ty (C)	(D)	(E)	(F)	I	R
(A=*2014.04.)											
27	1	26116-080752	BOLT, M8X 75 PLATED	1	1						
28	1	26116-081004	BOLT, M8X100 PLATED	3	3						
29	1	26116-120452	BOLT, M12X 45 PLATED	2	2						
30	1	26116-120502	BOLT, M12X 50 PLATED	1	1						
31	1	26116-120652	BOLT, M12X 65 PLATED	1	1						
32	1	26716-080002	NUT, M8	3	3						
33	1	26716-120002	NUT, M12	4	4						
34	1	129271-77230	ALTERNATOR, 24V-75A	1							
34-1	1	129271-77231	ALTERNATOR ASSY,24V	1	1					S	1
(A=*2015.01.)											
35	2	129271-77590	ALTERNATOR,24V-75A	1	1						W
(A=*2011.07.)											
36	3	129271-77240	PULLEY,ALTERNATOR	1	1						
37	2	129271-77620	HARNESS,BATT SENSING	1	1						W
(A=*2011.07.)											
38	2	129271-77610	REGULATOR ASSY,24V	1							W
(A=*2011.07.)											
38-1	2	129271-77720	REGULATOR ASSY,ALPHA	1	1					S	2
(A=*2015.01.)											

Remarks

- (1)Interchangeable by simultaneous replacement with No.8-1.
(2)12V specification : No.1D-1 & 8-1 interchangeable by set.
24V specification : No.38-1 & 8-1 interchangeable by set.
(3)Interchangeable by simultaneous replacement with No.26-2.

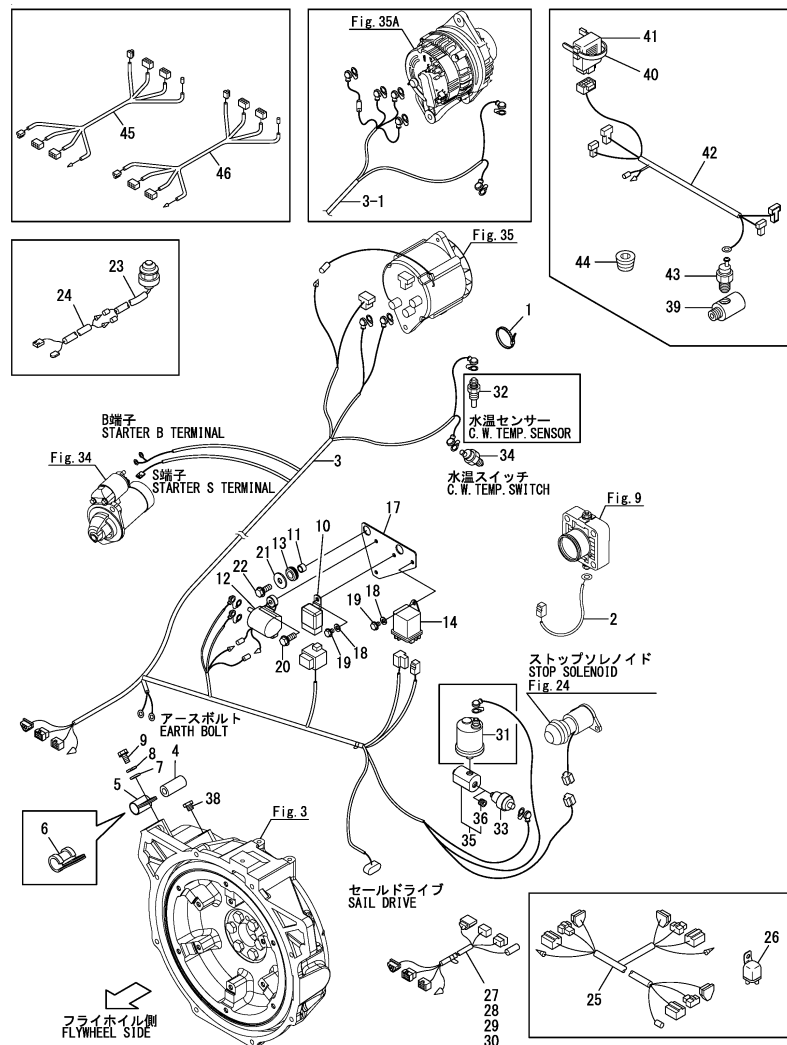
Fig.38. WIRE HARNESS & SENSOR



Remarks
(1)It is made by YAZAKI.
(2)It is made by DEUTSCH(Valeo generator specification).
(3)Neutral safety switch(Optional parts).
(4)2-panel specification(For VDO panel).
(5)2-panel specification(For Medallion panel).
(6)Valeo generator specification.
(7)For VDO C type panel.
(8)Cold Weather specification.
(9)For Medallion panel(Conversion from VDO panel).
(A)For VDO panel(Conversion to the Valeo generator).

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	194250-51660	BAND, NYLON 250	1							
1-1	1	29622-250001	BAND, RF250	1							R
(A=*2012.04.)											
1-2	1	128990-59890	BAND,200	1	1						S
(A=E12749)											
2	1	129271-77921	HARNESS,WIRE(HEATER	1	1						
3	1	129271-77940	HARNESS, WIRE	1							1
3-1	1	129670-77921	HARNESS, WIRE ENGINE	1	1						S 2
(A=E12749)											
4	1	129670-77940	PROTECTOR	1							Z
(A=*2010.12.)											
5	1	124070-77950	CLAMP	1							Z
(A=*2010.12.)											
6	1	129672-77950	RETAINER	1	1						W
(A=*2010.12.)											
7	1	22137-080000	WASHER, 8	1	1						
8	1	22217-080000	WASHER, SPRING 8	1	1						
9	1	26106-080162	BOLT, M8X 16 PLATED	1	1						
10	1	119247-77100	RELAY, POWER	1	1						
11	1	128990-77430	COLLAR	2	2						
12	1	128990-77550	RELAY, MAGNETIC	1	1						
13	1	128990-77610	GROMMET	2	2						
14	1	128990-77910	RELAY, GROW	1							
14-1	1	128990-77911	RELAY ASSY, GLOW	1	1						N
(A=*2010.12.)											
17	1	129271-77970	BRACKET, RELAY	1	1						
18	1	22217-060000	WASHER, SPRING 6	2	2						
19	1	26106-060082	BOLT, M6X 8 PLATED	2							
19-1	1	26106-060102	BOLT, M6X 10 PLATED	2	2						N
(A=*2014.08.)											
20	1	26106-060122	BOLT, M6X 12 PLATED	2	2						
21	1	22157-080000	WASHER, 8	2	2						
22	1	26106-080202	BOLT, M8X 20 PLATED	2	2						
23	1	120270-77102	SWITCH, SAFETY	1	1						3
24	1	129570-77960	HARNESS, WIRE	1	1						3
25	1	129574-77980	HARNESS, WIRE	1							4
25-1	1	164100-23700	HARNESS, DUAL PANEL	1	1						S 5
(A=*2012.01.)											
26	1	119773-91850	RELAY, DC12V	1	1						
27	1	129574-77710	HARNESS, WIRE 4M	1							
27-1	1	164100-22720	HARNESS, WIRE 4M	1	1						S 6
(A=E12749)											
28	1	129574-77720	HARNESS, WIRE 6M	1							
28-1	1	164100-22730	HARNESS, WIRE 6M	1	1						S 6
(A=E12749)											
29	1	128391-77720	HARNESS, WIRE	1							
29-1	1	164100-22830	HARNESS,EXT 6M	1							S 6
(A=E12749)											
29-2	1	164100-22830	HARNESS,EXT 6M	1	1						Z
(A=*2013.06.)											
30	1	129574-77740	HARNESS, WIRE 10M	1							

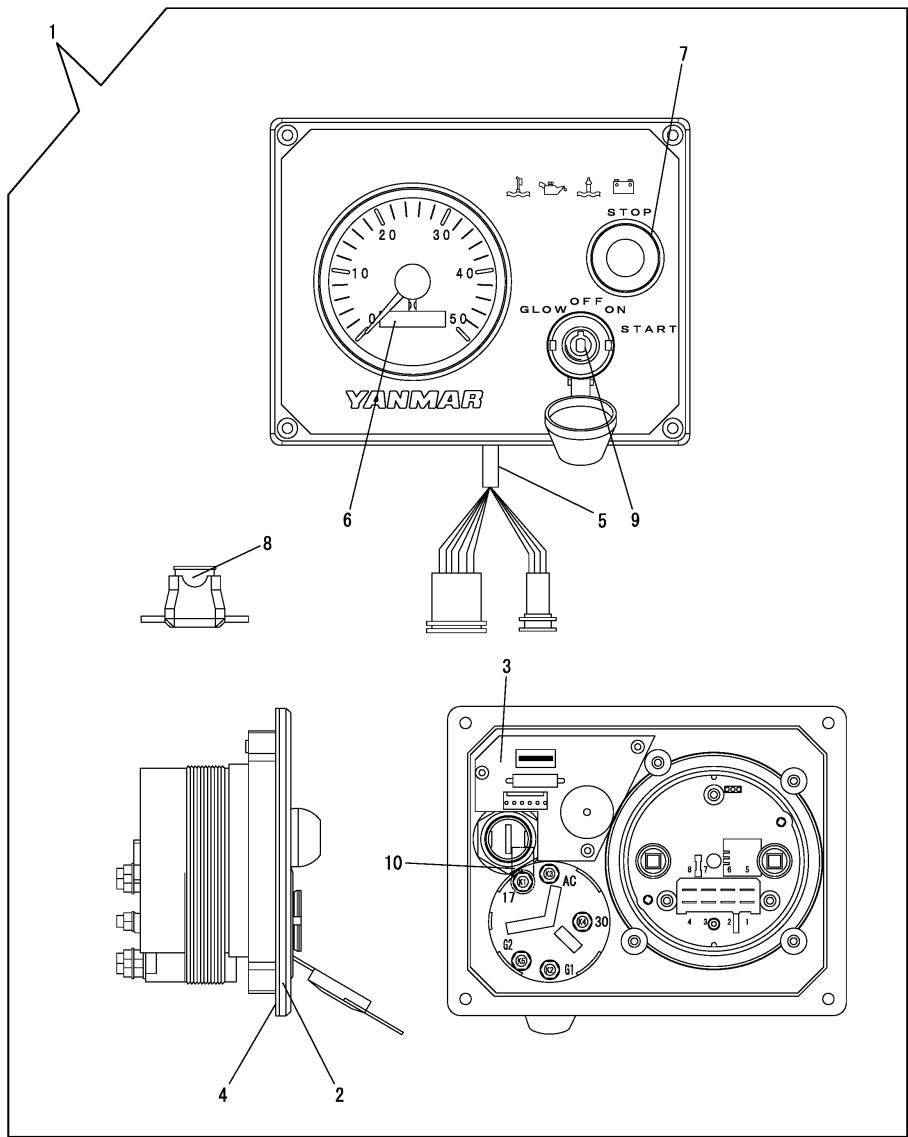
Fig.38. WIRE HARNESS & SENSOR



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D) (E)= (F)=	I	R
30-1	1 (A=E12749)	164100-22740	HARNESS, WIRE 10M	1	1			S	6
31	1	119773-91650	SENSOR	1	1				7
32	1	119773-91700	SENDER	1	1				7
33	1	121252-39450	SWITCH, HYDRAULIC	1	1				
34	1	120130-91370	SWITCH, 100	1	1				
35	1	129670-39600	DAMPER ASSY, R1/8	1	1				
36	2	23875-010000	PLUG, R01	1	1				
38	1	23887-180002	PLUG, 18	1	1				
39	1	129671-49990	JOINT, R3/8	1	1				8
40	1	194250-51660	BAND, NYLON 250	3					8
40-1	1	29622-250001	BAND, RF250	3				R	8
40-2	1 (A=*2012.04.) (A=*2013.07.)	128990-59890	BAND,200	1	1			R	8
41	1	119575-77071	CONTROLLER	1	1				8
42	1	129670-77980	HARNESS, WIRE	1	1				8
43	1	124616-91370	SWITCH, 42	1	1				8
44	1	23875-030000	PLUG, R03	1	1				8
45	1 (A=*2012.01.)	164100-23900	HARNESS, CONVERSION	1	1			W	9
46	1 (A=E12749)	164100-23910	HARNESS,CONV	1	1			W	A

- (1)It is made by YAZAKI.
- (2)It is made by DEUTSCH(Valeo generator specification).
- (3)Neutral safety switch(Optional parts).
- (4)2-panel specification(For VDO panel).
- (5)2-panel specification(For Medallion panel).
- (6)Valeo generator specification.
- (7)For VDO C type panel.
- (8)Cold Weather specification.
- (9)For Medallion panel(Conversion from VDO panel).
- (A)For VDO panel(Conversion to the Valeo generator).

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



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129271-91112	PANEL	1							
1-1	1	129271-91113 (A=*2009.09.)	PANEL, INSTRUMENT B	1						N	
2	2	129271-91120	PANEL WITH COVERFOIL	1							
3	2	129271-91131	CIRCUIT WITH LED&BZR	1							
3-1	2	129271-91132 (A=*2009.09.)	CIRCUIT WITH LED&BZR	1						N	
4	2	129271-91140	SEAL	1							
5	2	129271-91150	HARNESS, WIRE	1							
6	2	129271-91210	TACHOMETER	1							
6-1	2	129271-91211 (A=*2009.09.)	TACHOMETER (AN)10.29	1						N	
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							

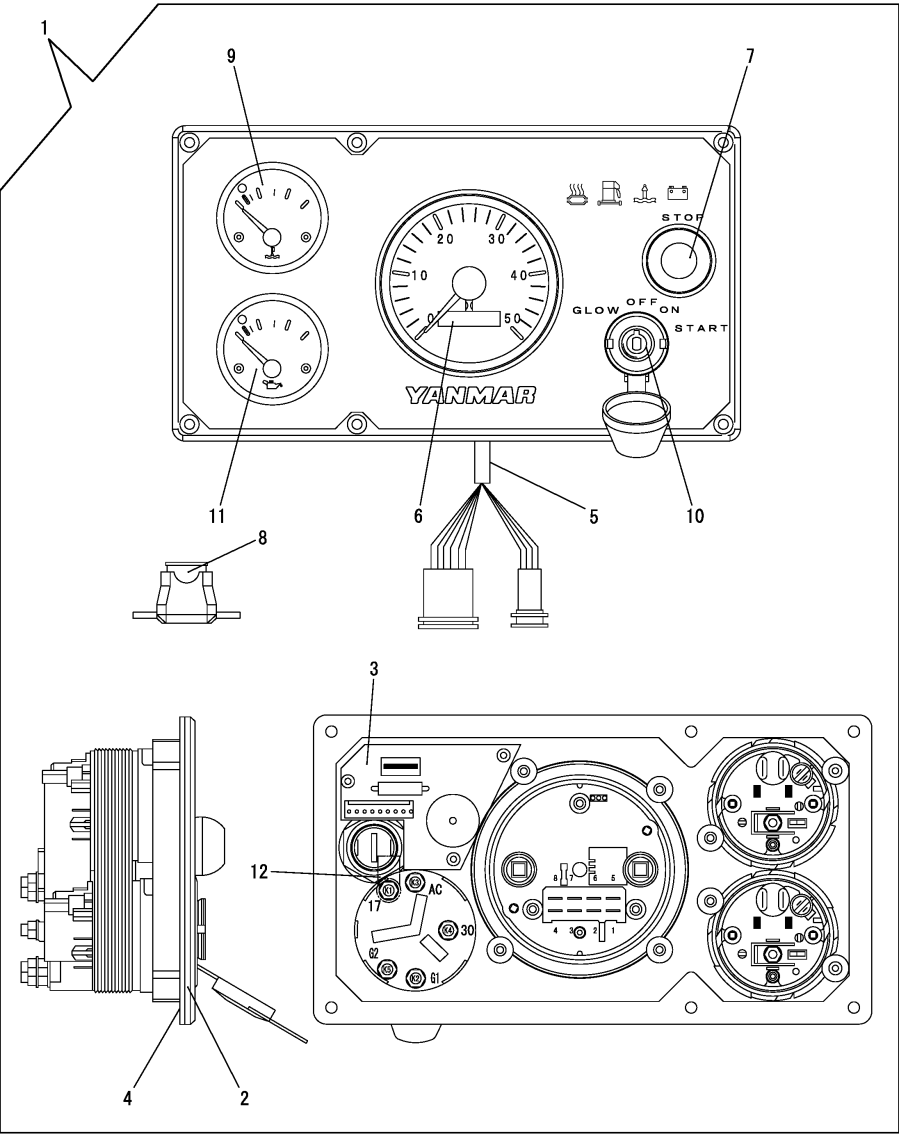
Remarks

* This figure is applicable to [(A)=Dec., 2011] or previous machines(Refer to Fig.46(42A)).

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

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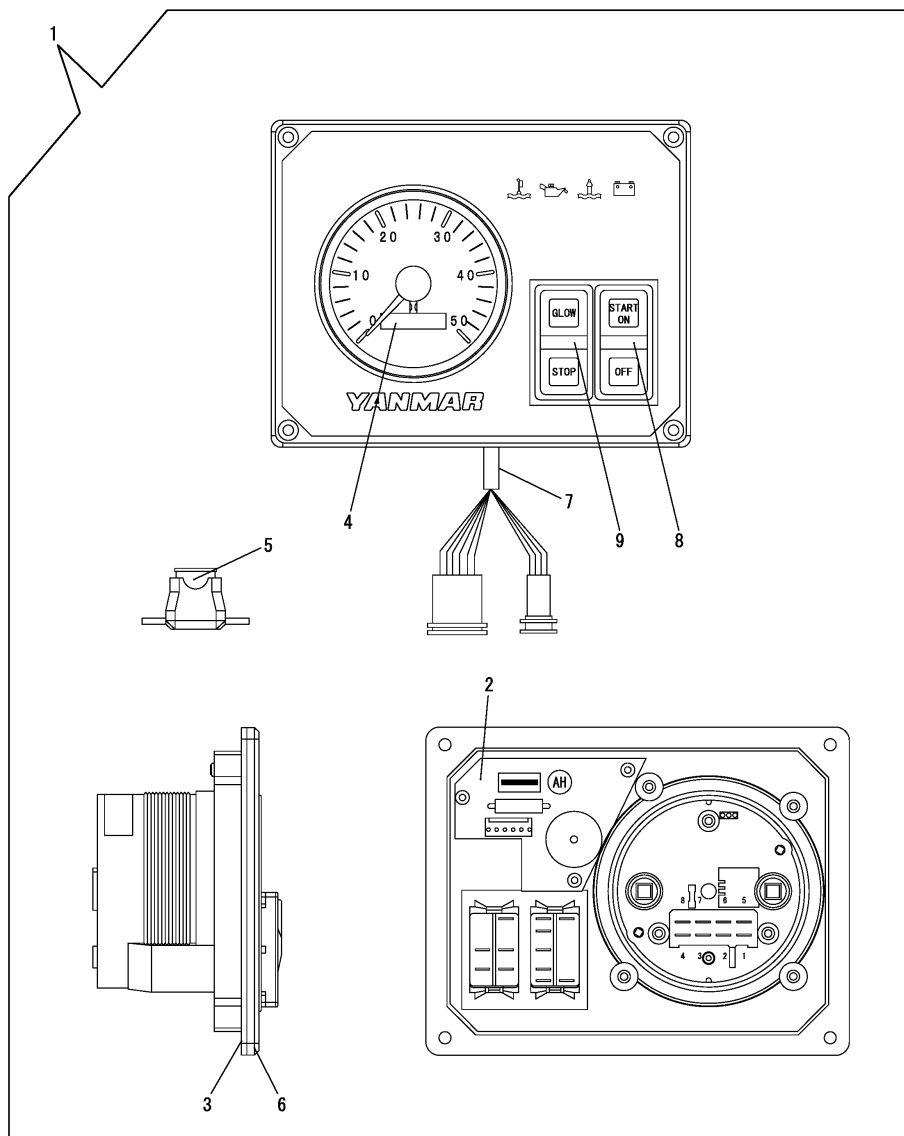
Fig.40. INSTRUMENT PANEL(C-TYPE)(OPTIONAL)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-91162	C-PANEL(VDO	1							
1-1	1	129271-91163	PANEL ASSY, C	1						N	
(A=*2009.09.)											
2	2	129271-91170	PANEL WITH COVERFOIL	1							
3	2	129271-91181	CIRCUIT	1							
3-1	2	129271-91182	CIRCUIT WITH LED&BZR	1						N	
(A=*2009.09.)											
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=*2009.09.)											
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 figure is applicable to [(A)=Dec., 2011] or previous machines(Refer to Fig.47(42B)).

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

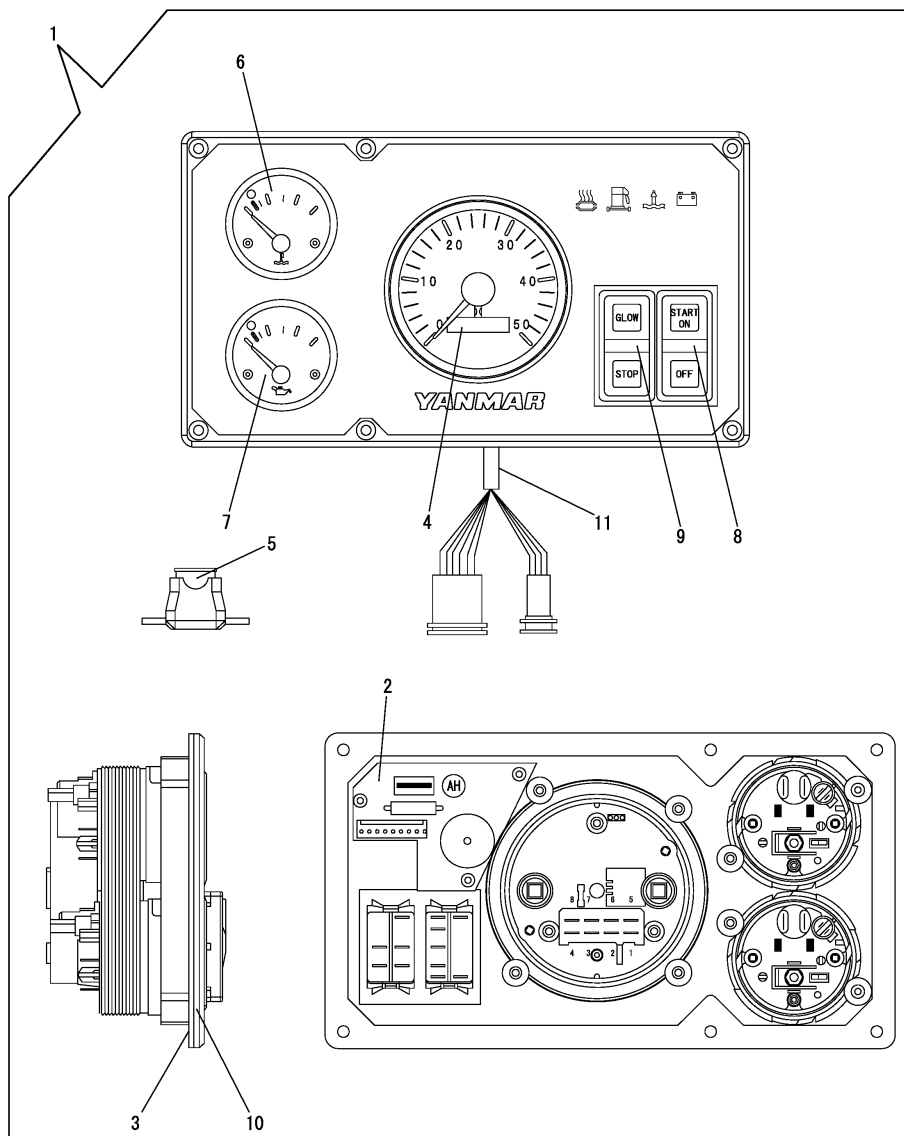


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-91301	PANEL	1							
1-1	1	129271-91302	PANEL,B KEYLESS	1							N
(A=*2009.09.)											
2	2	129271-91131	CIRCUIT WITH LED&BZR	1							
2-1	2	129271-91132	CIRCUIT WITH LED&BZR	1							N
(A=*2009.09.)											
3	2	129271-91140	SEAL	1							
4	2	129271-91210	TACHOMETER	1							
4-1	2	129271-91211	TACHOMETER (AN)10.29	1							N
(A=*2009.09.)											
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							

* This figure is applicable to [(A)=Dec., 2011] or previous machines(Refer to Fig.46(42A)).

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.42. INSTRUMENT PANEL(C-TYPE/KEYLESS)(OPTIONAL)



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 ASSY,C KEYLESS	1							N
(A=*2009.09.)											
2	2	129271-91181	CIRCUIT	1							
2-1	2	129271-91182	CIRCUIT WITH LED&BZR	1							N
(A=*2009.09.)											
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=*2009.09.)											
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							

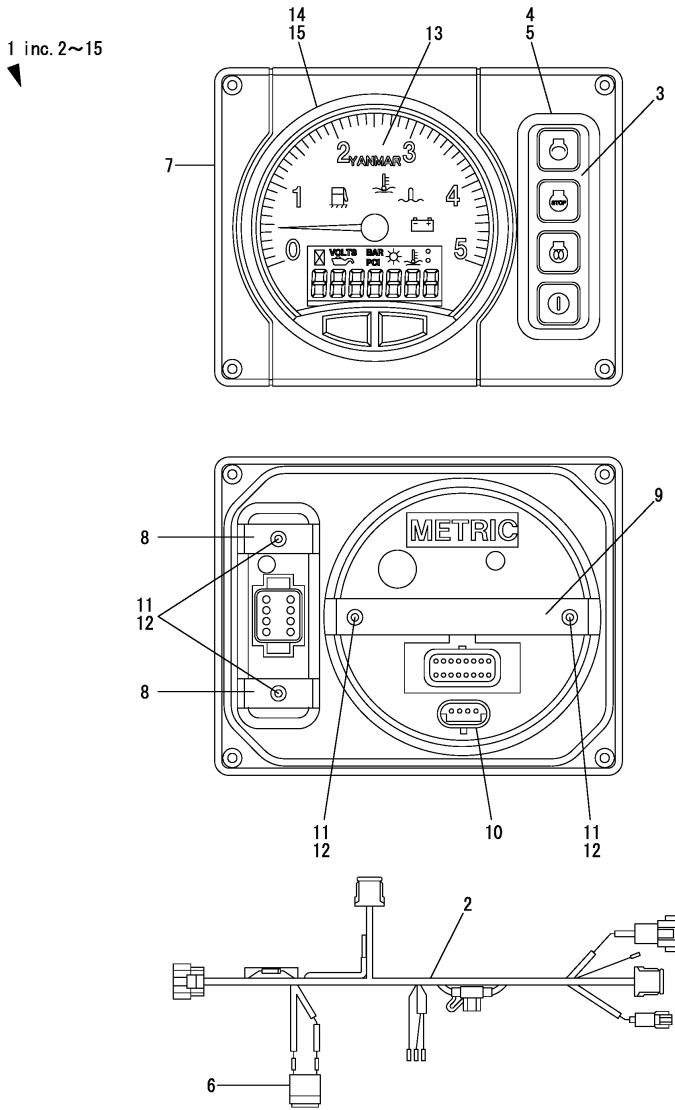
* This figure is applicable to [(A)=Dec., 2011] or previous machines(Refer to Fig.47(42B)).

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

(A)=3JH5E
(B)=3JH5AE
(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=*2012.01.)											
1-1	1	164100-30101	PANEL ASSY, B20	1							N
(A=*2012.06.)											
1-2	1	164100-30102	PANEL ASSY, B20 MD	1							S 1
(A=*2014.04.)											
1-3	1	164100-30103	PANEL ASSY, B20 MD	1	1						N 1
(A=*2014.10.)											
2	2	164100-21100	HARNESS, PANEL	1	1						
3	2	164100-31100	SWITCH, PANEL	1							
3-1	2	164100-31101	SWITCH, PANEL MD	1	1						N
(A=*2012.06.)											
4	2	164100-31150	GASKET, SWITCH	1	1						
5	2	164100-31900	BEZEL, SWITCH BK	1	1						
6	2	164100-36100	BUZZER, PANEL	1	1						
7	2	164100-39100	FRAME, PANEL B	1	1						
8	2	164100-39120	BRACKET, SWITCH	2	2						
9	2	164100-39130	BRACKET, GAUGE 5	1							
9-1	2	164100-39131	BRACKET, GAUGE 5 MD	1	1						S 1
(A=*2014.04.)											
10	2	164100-39150	CAP, GAUGE TERMINAL	1	1						
11	2	164100-39180	WASHER, LOCK	4	4						
12	2	164100-39190	NUT, M3.5	4	4						
13	2	164100-53100	GAUGE, TACH LCD 5	1							
13-1	2	164100-53101	GAUGE, TACH LCD 5 MD	1							N
(A=*2012.06.)											
13-2	2	164100-53102	GAUGE, TACH LCD 5 MD	1							S 1
(A=*2014.04.)											
13-3	2	164100-53103	GAUGE, TACH LCD 5 MD	1	1						N 1
(A=*2014.10.)											
14	2	164100-53150	GASKET, GAUGE 5	1	1						
15	2	164100-53900	BEZEL, GAUGE 5 BK	1	1						

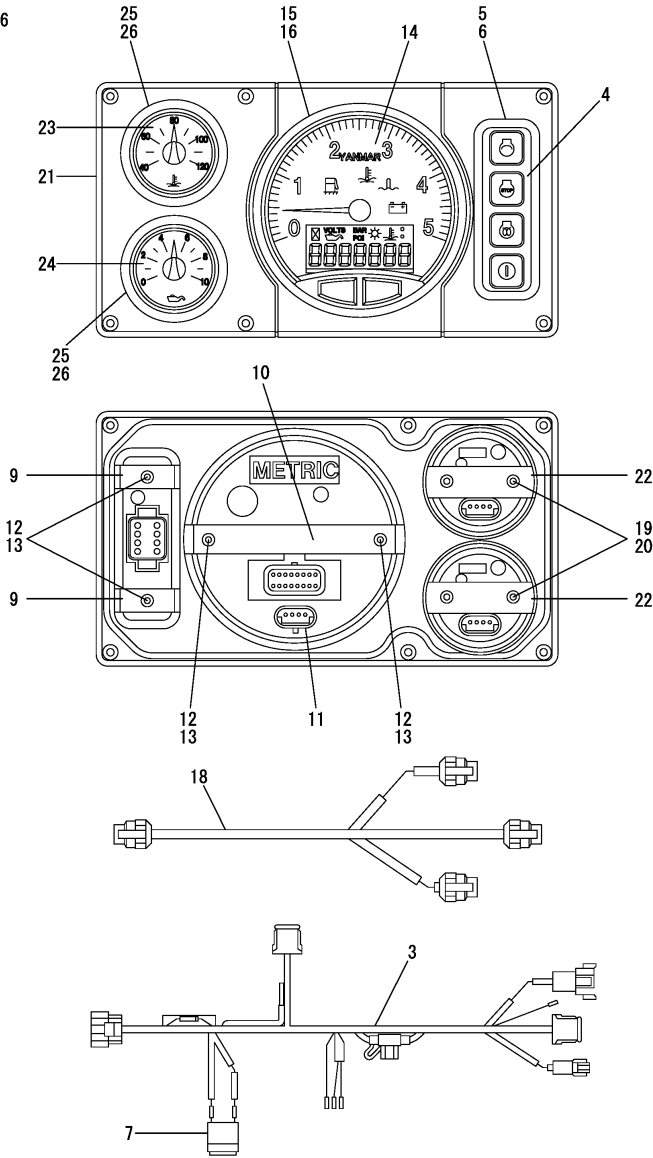
Remarks
* This figure is applicable to [(A)=Jan., 2012] or following machines(Refer to Fig.39, 41).
(1)Valeo generator specification.

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

(A)=3JH5E
(B)=3JH5AE
(C)=

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

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

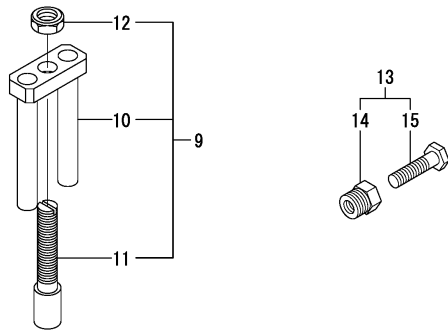
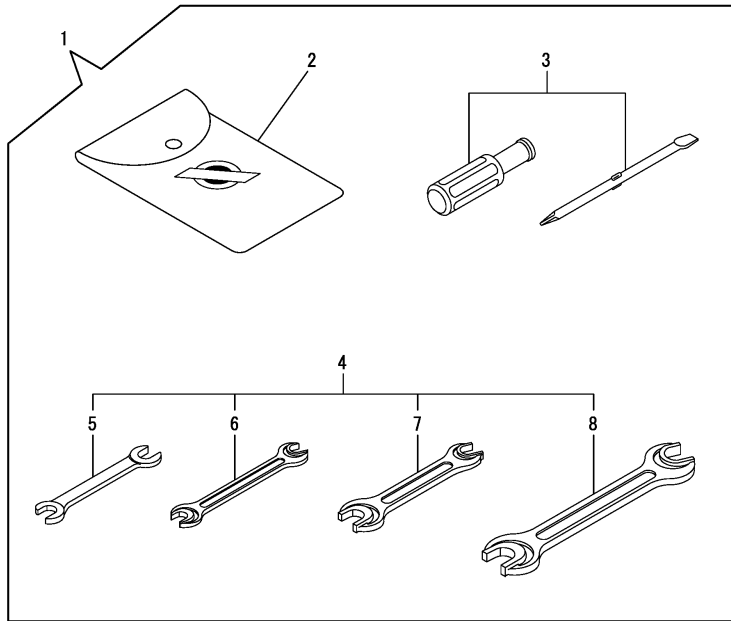


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	164100-30200	PANEL ASSY, C30	1							W
(A=*2012.01.)											
1-1	1	164100-30300	PANEL ASSY, C30	1							R
(A=*2013.03.)											
1-2	1	164100-30301	PANEL ASSY, C30 MD	1	1						N
(A=*2014.10.)											
3	2	164100-21100	HARNESS, PANEL	1	1						
4	2	164100-31100	SWITCH, PANEL	1							
4-1	2	164100-31101	SWITCH, PANEL MD	1	1						N
(A=*2012.06.)											
5	2	164100-31150	GASKET, SWITCH	1	1						
6	2	164100-31900	BEZEL, SWITCH BK	1	1						
7	2	164100-36100	BUZZER, PANEL	1	1						
9	2	164100-39120	BRACKET, SWITCH	2	2						
10	2	164100-39130	BRACKET, GAUGE 5	1							
10-1	2	164100-39131	BRACKET, GAUGE 5 MD	1	1					S	1
(A=*2014.04.)											
11	2	164100-39150	CAP, GAUGE TERMINAL	1							Z
(A=*2013.03.)											
12	2	164100-39180	WASHER, LOCK	4	4						
13	2	164100-39190	NUT, M3.5	4	4						
14	2	164100-53100	GAUGE, TACH LCD 5	1							
14-1	2	164100-53101	GAUGE, TACH LCD 5 MD	1							N
(A=*2012.06.)											
14-2	2	164100-53102	GAUGE, TACH LCD 5 MD	1						S	1
(A=*2014.04.)											
14-3	2	164100-53103	GAUGE, TACH LCD 5 MD	1	1					N	1
(A=*2014.10.)											
15	2	164100-53150	GASKET, GAUGE 5	1	1						
16	2	164100-53900	BEZEL, GAUGE 5 BK	1	1						
17	2	164100-30210	PANEL KIT, C30	1							Z
(A=*2013.03.)											
18	3	164100-21200	HARNESS, GAUGE 2	1	1						
19	3	164100-39180	WASHER, LOCK	4	4						
20	3	164100-39190	NUT, M3.5	4	4						
21	3	164100-39200	FRAME, PANEL C	1	1						
22	3	164100-39230	BRACKET, GAUGE 2 MD	2	2						
23	3	164100-53200	GAUGE, TEMP CW 2	1	1						
24	3	164100-53210	GAUGE, PRESS LO 2	1	1						
25	3	164100-53250	GASKET, GAUGE 2	2	2						
26	3	164100-53920	BEZEL, GAUGE 2 BK	2	2						

Remarks

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

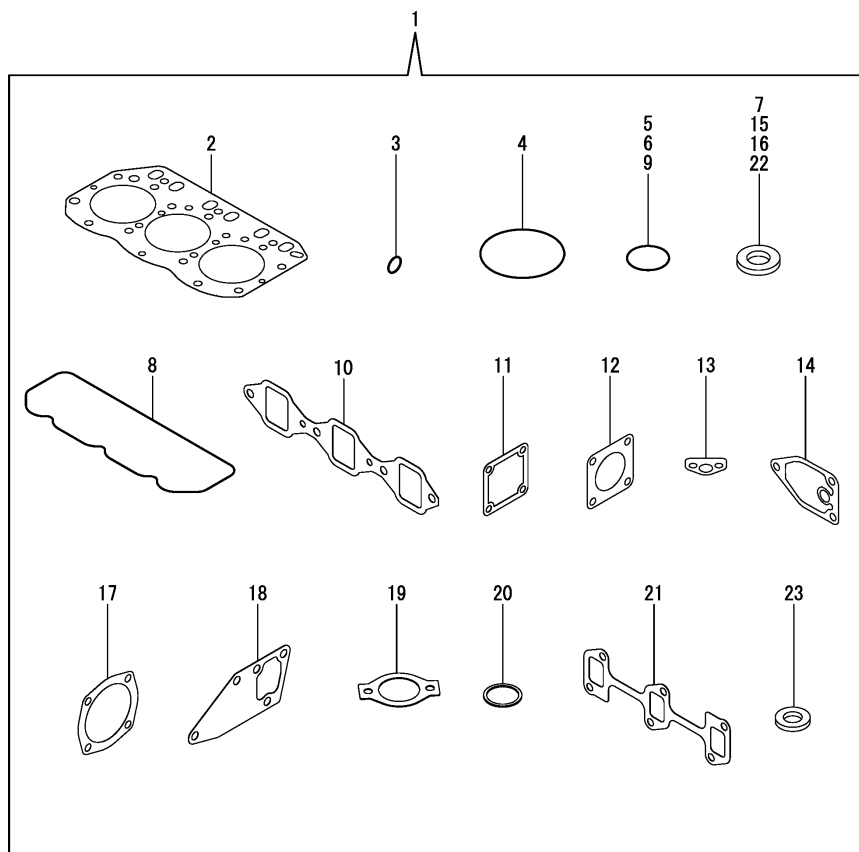
Fig.43. TOOL



Remarks
(1)Optional parts.

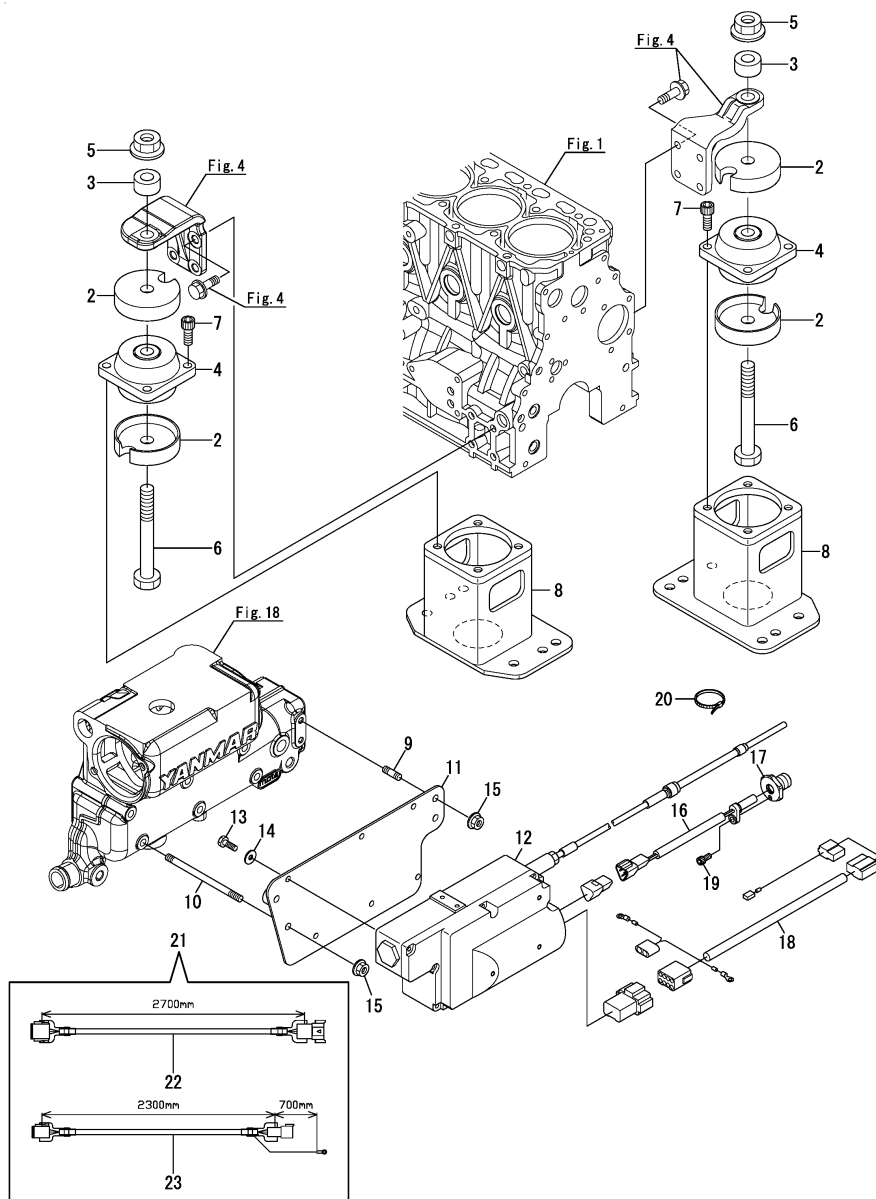
No.	Lev.	Parts No.	Description	(A)=3JH5E (B)=3JH5AE (C)=		(D)= (E)= (F)=		I	R
				(A)	(B)	(C)	(D)		
1	1	129270-92100	BOX, TOOL	1					Z
		(A=*2010.09.)							
2	2	129270-92600	BAG, TOOL	1					Z
		(A=*2010.09.)							
3	2	129270-92650	DRIVER	1					Z
		(A=*2010.09.)							
4	2	129270-92690	WRENCH ASSY	1					Z
		(A=*2010.09.)							
5	3	129270-92610	WRENCH, 10X13	1					Z
		(A=*2010.09.)							
6	3	129270-92620	WRENCH, 12X14	1					Z
		(A=*2010.09.)							
7	3	129270-92630	WRENCH, 17X19	1					Z
		(A=*2010.09.)							
8	3	129270-92640	WRENCH, 22X24	1					Z
		(A=*2010.09.)							
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				
14	2	129671-92120	PULLER	1	1				
15	2	129671-92130	BOLT, M10X40	1	1				

Fig.44. GASKET SET(OPTIONAL)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729271-92600	GASKET SET	1	1						
2	2	129001-01340	GASKET, HEAD	1	1						
3	2	119609-32040	O-RING, P16	4	4						
4	2	121850-51960	O-RING	1	1						
5	2	24311-000320	O-RING, 1AP32.0	2	2						
6	2	24341-000240	O-RING, 1AS24.0	1	1						
7	2	22190-140002	WASHER, SEAL 14	4	4						
8	2	129004-11310	GASKET, BONNET	1	1						
9	2	24311-000120	O-RING, 1AP12.0	3	3						
10	2	129150-12111	GASKET, MANIFOLD	1	1						
11	2	129150-77511	GASKET, AIR HEATER	1	1						
12	2	129472-18090	GASKET	1	1						
13	2	129150-35042	GASKET	1	1						
14	2	129150-35111	GASKET	1	1						
15	2	22190-080002	WASHER, SEAL 8	3	3						
16	2	22190-100002	WASHER, SEAL 10	2	2						
17	2	129150-01881	GASKET	2	2						
18	2	129486-42050	GASKET, WATER PUMP	1	1						
19	2	129795-49551	GASKET	1	1						
20	2	129470-49810	GASKET, THERMOSTAT	1							
20-1	2	129150-49811	GASKET, THERMOSTAT	1	1						R
(A=E09746)											
21	2	129150-13110	GASKET, EXH.MANIFOLD	1	1						
22	2	22190-120002	WASHER, SEAL 12	8	8						
23	2	23414-080000	GASKET, 8X1.0	1	1						

Fig.49. S2 DRIVE(OPTIONAL)

[illegible]

Remarks

(1) Valeo generator specification.

(2) Installing position of the actuator was changed from fresh water cooler to hull side engine room.

When installing the actuator to the engine room, please use this extension harness.

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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Parts No. Index

Parts No.	Fig. No.	Ref. No.
104214-83980	33	11
105430-55041	30	8
105583-85900	33	8
114250-53080	26	5
114250-53120	26	11
114250-53130	26	12
114250-53140	26	13
114250-53210	26	14
119129-77250	35	14
119129-77260	35	15
119129-77320	35	3
119129-77890	35	20
119129-77900	35	21
119129-77930	35	19
119225-52102	25	1
119247-77100	38	10
119305-35170	14	13
119573-77201	35	1
119575-77071	38	41
119609-32040	2	14
	44	3
119620-01750	3	11
119620-49290	14	25
	18	12
119625-11880	7	31
119660-61901	24	60
119773-42570	16	9
119773-91650	38	31
119773-91700	38	32
119773-91850	38	26
119802-01561	2	10
119802-03110	8	4
119802-03121	8	5
119802-03130	8	6
119802-03141	8	7
119802-11260	7	6
119802-11270	7	7
119802-11280	7	8
119802-11870	7	30
119802-25071	11	15
119802-25101	11	11
119802-25901	11	17
119802-39450	15	2
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26106-080302	2	28
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26106-080402	11	14
26106-080452	5	8
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26106-080552	2	26
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26106-081002	18	21
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26226-080252	49	9
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	48	14
26716-120002	4	15
	43	12
	45	33
26716-160002	48	17
26756-060002	24	69
26756-080002	33	6
	34	28
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26776-140002	11	20
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26793-080002	51	10
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27241-300000	1	11
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48110-032411	33	7
48110-032502	33	1
729005-01560	1	1
729271-51300	23	1
729271-53100	26	1
729271-92600	44	1
729402-23100	13	9
796450-09200	51	1
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977780-01211	22	1
977780-03000	22	9
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