

OCF10-M62000EN

Introduction

1. This parts catalog is a first edition of the 2YM15 Diesel engine.

	Parts catalog No.	Date of issue	Remarks
First edition	000Y00F6200	Sep., 2004	

2. This parts catalog does not covers the reduction reverser.

Please refer to the separate parts catalog, (NO. 000Y00F5940 KM2P-1), which covers the reverser.

3. 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)

4. This parts catalog does not contain the technical data needed for maintenance service.

5. The illustrations used in this parts catalog have been simplified for clarity.

6. Specification

Model	2YM15		
Type	4-stroke, vertical, water-cooled, diesel engine		
No. of cylinder - Bore(mm) x Stroke(mm)	2 - 70 x 74		
Fuel stop power kW/min ⁻¹ (ISO-3046) (PS/rpm)	10.3/3600 (14/3600)		
Fuel stop power kW/min ⁻¹ (ISO-8665) (PS/rpm)	10.0/3600 (13.6/3600)		
Combustion system	Special swirl chamber		
Starting system	Electric starting (12V - 1.4kW)		
Power take-off position	Flywheel side		
Cooling system	Fresh water (Filtered sea water) cooling		
Lubricating system	Forced lubrication		
Reduction reverser	KM2P-1		
Reduction ratio (F/R)	2.21/3.06	2.62/3.06	3.22/3.06

7. The contents of this parts catalog are subject to change without notice.

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

Contents

OCF10-M62000

Fig. No. Fig. Name

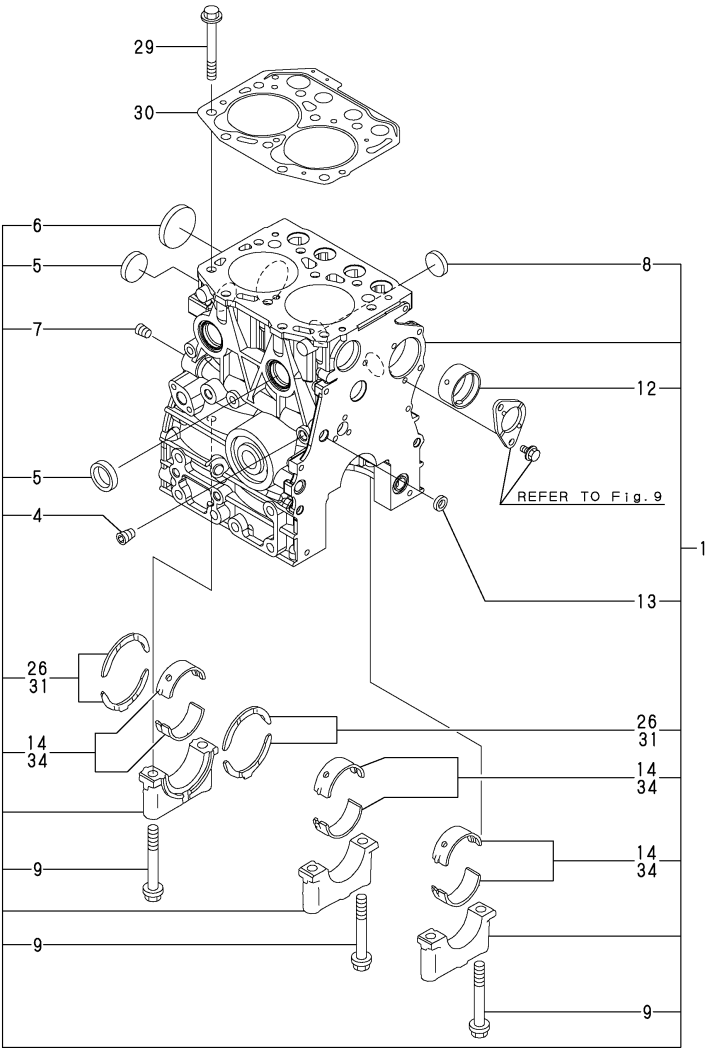
2YM15

1. CYLINDER BLOCK
2. GEAR HOUSING
3. FLYWHEEL HOUSING & L.O.SUMP
4. MOUNTING FOOT
5. LABEL
6. CYLINDER HEAD & BONNET
7. AIR INTAKE SILENCER
8. MIXING ELBOW
9. CAMSHAFT & DRIVING GEAR
10. CRANKSHAFT & PISTON
11. LUB.OIL DIPSTICK
12. LUB.OIL SYSTEM
13. COOLING SEA WATER PUMP
14. COOLING FRESH WATER PUMP
15. COOLING FRESH WATER COOLER
16. COOLING WATER PIPE
17. BILGE PUMP(STD/OPTIONAL)
18. BILGE PUMP(DX/OPTIONAL)
19. FUEL INJECTION PUMP
20. GOVERNOR
21. FUEL FEED PUMP
22. F.I.VALVE & F.I.PIPE
23. FUEL PIPE & FUEL STRAINER
24. FUEL TANK(OPTIONAL)

Fig. No. Fig. Name

25. CABLE SUPPORT
26. CLUTCH
27. CLUTCH REMOTE CONTROL
28. COUPLING(OPTIONAL)
29. STARTING MOTOR
30. GENERATOR(HITACHI/60A)(UP TO Sep. 2010)
31. GENERATOR(HITACHI/80A)(UP TO E05887)
37. (31A)GENERATOR(VALEO)(FROM E05888)
32. V-BELT COVER
33. WIRE HARNESS & RELAY
34. INSTRUMENT PANEL(B-TYPE)(OPTIONAL)
38. (34A)INSTRUMENT PANEL(MEDALLION)(FROM Jan. 2012)
35. TOOL
36. GASKET SET(OPTIONAL)
39. COMBINATION OF GENERATOR, WIRE HARNESS, AND PANEL

Fig.1. CYLINDER BLOCK

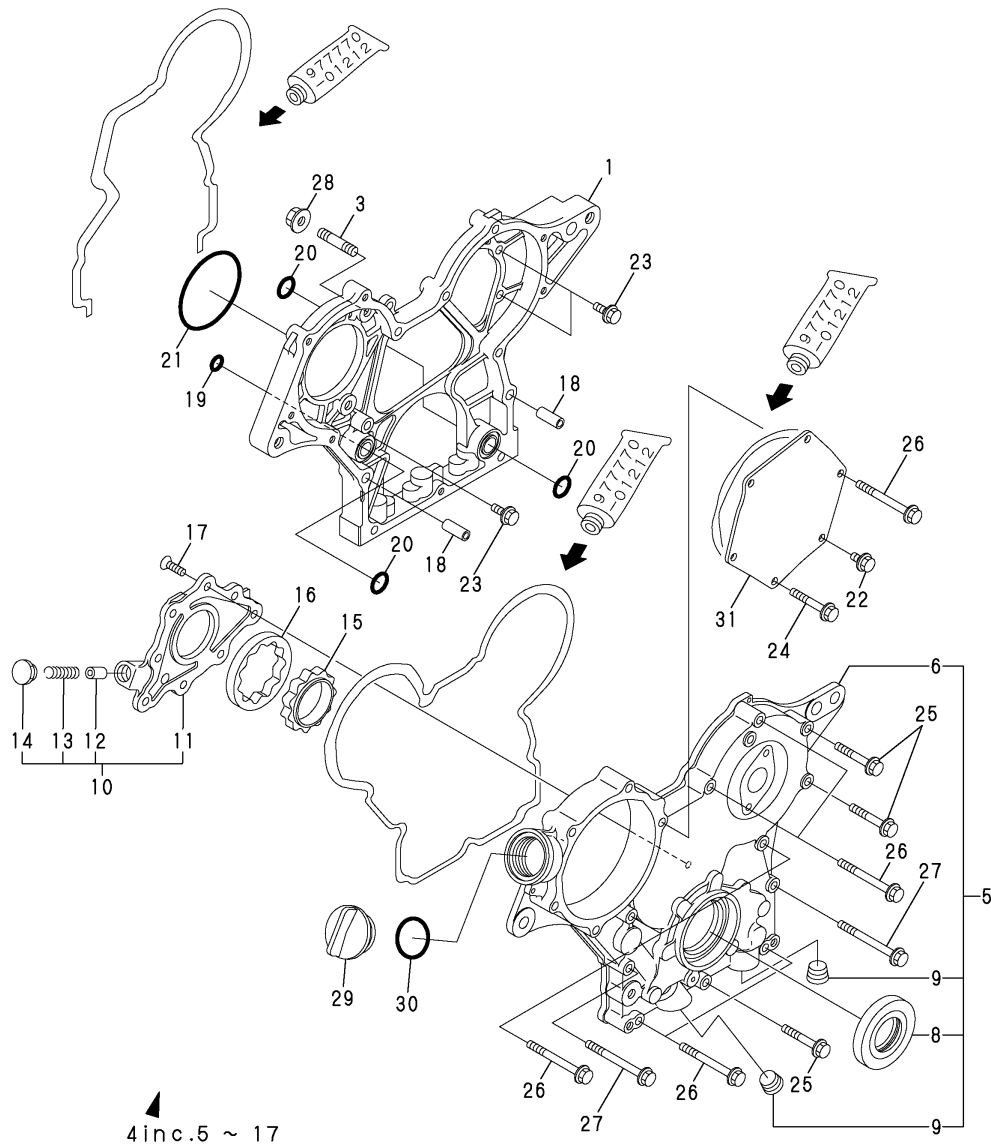


Remarks
(1)REPAIR PART.
(2)OVER SIZED(O.S.=0.25)PART.
(3)UNDER SIZED(U.S.=0.25)PART.

OCF10-M62000 Fig.1

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719415-01560	BLOCK ASSY, CYLINDER	1							
4	3	124060-01050	PLUG, PT1/8	1							
5	3	105311-01090	PLUG, 30	3							
6	3	119623-01250	PLUG, 45	1							
7	3	124160-01910	PLUG, PT1/4	1							
8	3	119285-01990	PLUG, 25	2							
9	3	119620-02020	BOLT, METAL CAP	6							
12	3	119717-02410	BUSH, CAMSHAFT	1							
13	3	27241-120000	PLUG, 12	1							
14	2	719717-02900	BEARING, MAIN	3							1
26	2	119717-02930	BEARING, THRUST	2							
29	1	119515-01200	BOLT, HEAD	10							
30	1	119415-01330	GASKET, HEAD	1							
31	1	119810-02940	BEARING, THRUST 0.25	2							2
34	1	719717-02910	BEARING, 0.25 US	3							3

Fig.2. GEAR HOUSING

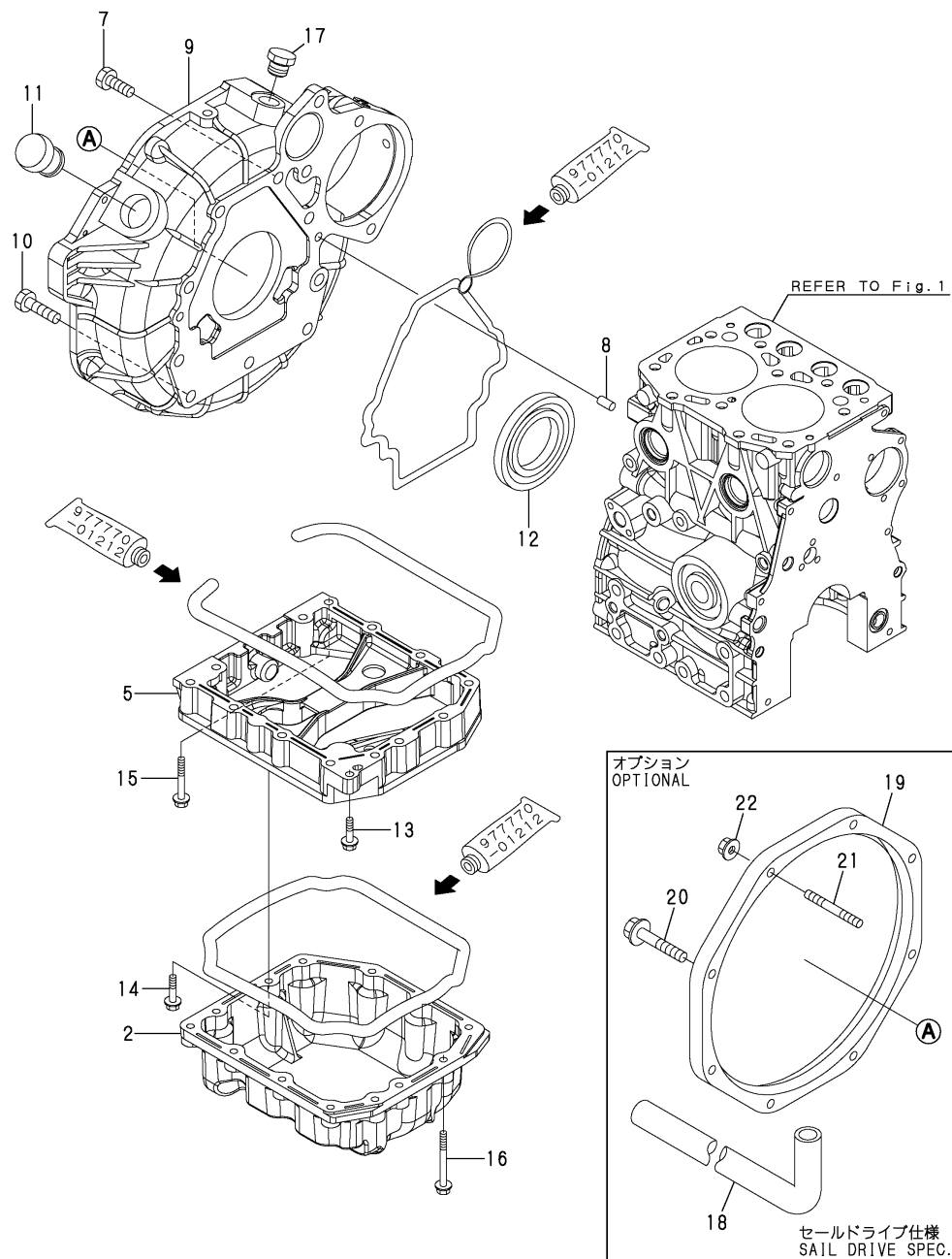


(A)=2YM15
(B)=
(C)=

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

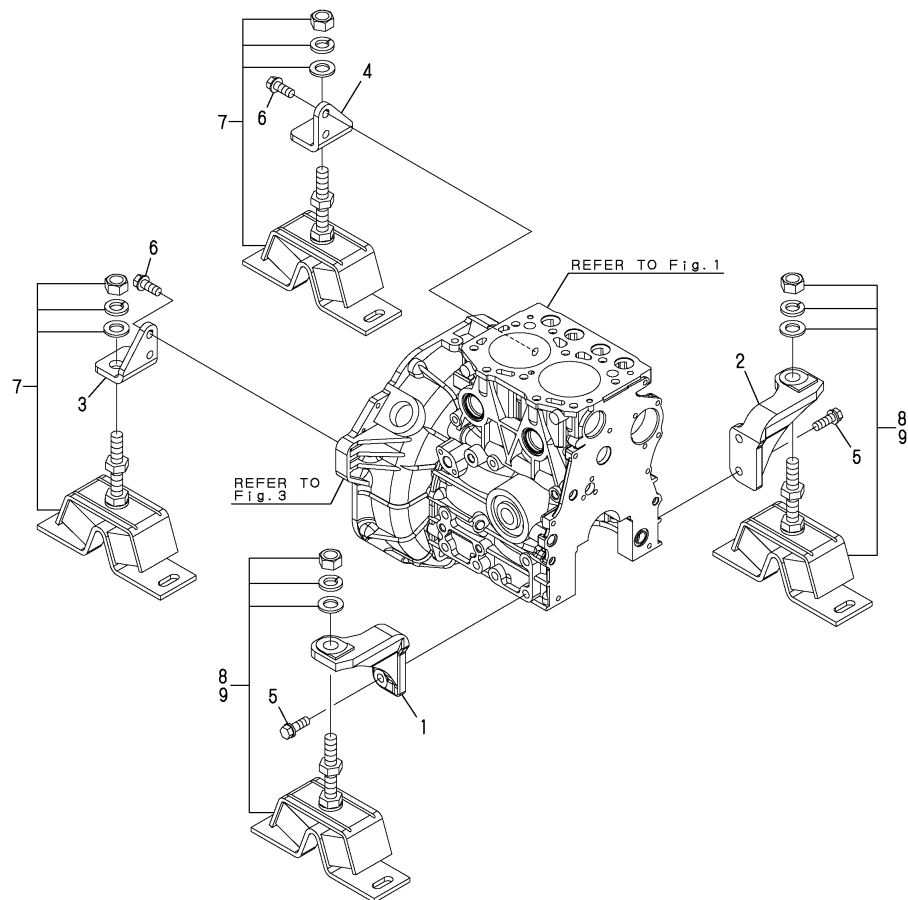
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119717-01501	CASE, GEAR	1							
3	1	119717-01570	STUD	3							
4	1	119717-01590	COVER ASSY,GEAR CASE	1							
5	2	719717-01500	COVER ASSY,GEAR CASE	1							
6	3	119717-01521	COVER, GEAR CASE	1							
8	3	119620-01800	SEAL, OIL	1							
9	3	23876-030000	PLUG, R03	2							
10	2	119717-32100	COVER ASSY	1							
11	3	119717-32080	COVER	1							
12	3	129900-32130	VALVE, RELIEF	1							
13	3	129001-32320	SPRING	1							
14	3	129001-32330	PLUG	1							
15	2	119717-32110	ROTOR, INNER	1							
16	2	119717-32120	ROTOR, OUTER	1							
17	2	119802-32130	SCREW, M6X16	8							
18	1	119660-01911	PIPE, KNOCK	4							
19	1	119624-32040	O-RING, P12.0	1							
20	1	119717-32050	O-RING, P17.0	3							
21	1	121850-51960	O-RING	1							
22	1	26106-060122	BOLT, M6X 12 PLATED	1							
23	1	26106-060162	BOLT, M6X 16 PLATED	4							
24	1	26106-060402	BOLT, M6X 40 PLATED	4							
25	1	26106-060402	BOLT, M6X 40 PLATED	3							
26	1	26106-060602	BOLT, M6X 60 PLATED	7							
27	1	26106-060652	BOLT, M6X 65 PLATED	2							
28	1	26306-080002	NUT, M8	3							
29	1	124160-01751	COVER, FILLER	1							
30	1	24311-000320	O-RING, 1AP32.0	1							
31	1	119717-01750	COVER	1							

Fig.3. FLYWHEEL HOUSING & L.O.SUMP



No.	Lev.	Parts No.	Description	Q'ty						I R
				(A)	(B)	(C)	(D)	(E)	(F)	
2	2	128790-01700	SUMP, OIL	1						
5	1	119415-01720	SPACER, OIL SUMP	1						
7	1	26206-100252	BOLT, M10X 25 PLATED	8						
8	1	129100-01580	PIN, M8X16	2						
9	1	128990-01650	HOUSING, FLYWHEEL	1						
10	1	121120-01620	BOLT, M10X28	3						
11	1	119620-01750	CAP	1						
12	1	124085-02220	SEAL, OIL	1						
13	1	26106-060252	BOLT, M6X 25 PLATED	1						
14	1	26106-060282	BOLT, M6X 28 PLATED	1						
15	1	26106-060452	BOLT, M6X 45 PLATED	1						
16	1	26106-060602	BOLT, M6X 60 PLATED	12						
17	1	23887-180002	PLUG, 18	1						
18	1	128990-49030	PIPE, WATER	1						
19	1	128990-81150	SPACER, CLUTCH	1						
20	1	26106-080452	BOLT, M8X 45 PLATED	5						
21	1	26216-080452	STUD, M8X 45	3						
22	1	26366-080002	NUT, M8	3						

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



				(A)=2YM15 (B)= (C)=			(D)= (E)= (F)=					
No.	Lev.	Parts No.	Description		(A)	(B)	Q'ty (C)	(D)	(E)	(F)	I	R
1	1	128790-08120	FOOT		1							
2	1	128790-08130	FOOT		1							
3	1	128377-08120	FOOT		1							
4	1	128377-08130	FOOT		1							
5	1	26013-100302	BOLT, M10X 30		4							
6	1	26106-100252	BOLT, M10X 25 PLATED		4							
7	1	128377-08340	MOUNT, FLEXIBLE 75		2							
8	1	128377-08350	MOUNT, FLEXIBLE 100		2							
9	1	128377-08350	MOUNT, FLEXIBLE 100		2							1

Remarks
(1)SAIL DRIVE SPEC.

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
Copyright (C) YANMAR CO., LTD. All RightsReserved.

(A)=2YM15
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128377-07150	LABEL, CAUTION	1							
2	1	128990-07270	LABEL, PRESSURE CAP	1							
3	1	128377-07350	LABEL, CAUTION	1							
4	1	123682-07852	LABEL, CAUTION	1							
5	1	196630-12980	LABEL, CAUTION	1							
6	1	128296-07190	LABEL, LOOSE PARTS	1							
7	2	128296-07400	LABEL, DANGER	2							
8	2	128296-07420	LABEL, DANGER	1							
9	2	128296-07450	LABEL, DANGER	1							
10	2	128296-07460	LABEL, DANGER	1							
11	1	128790-07560	LABEL, BSO2	1							

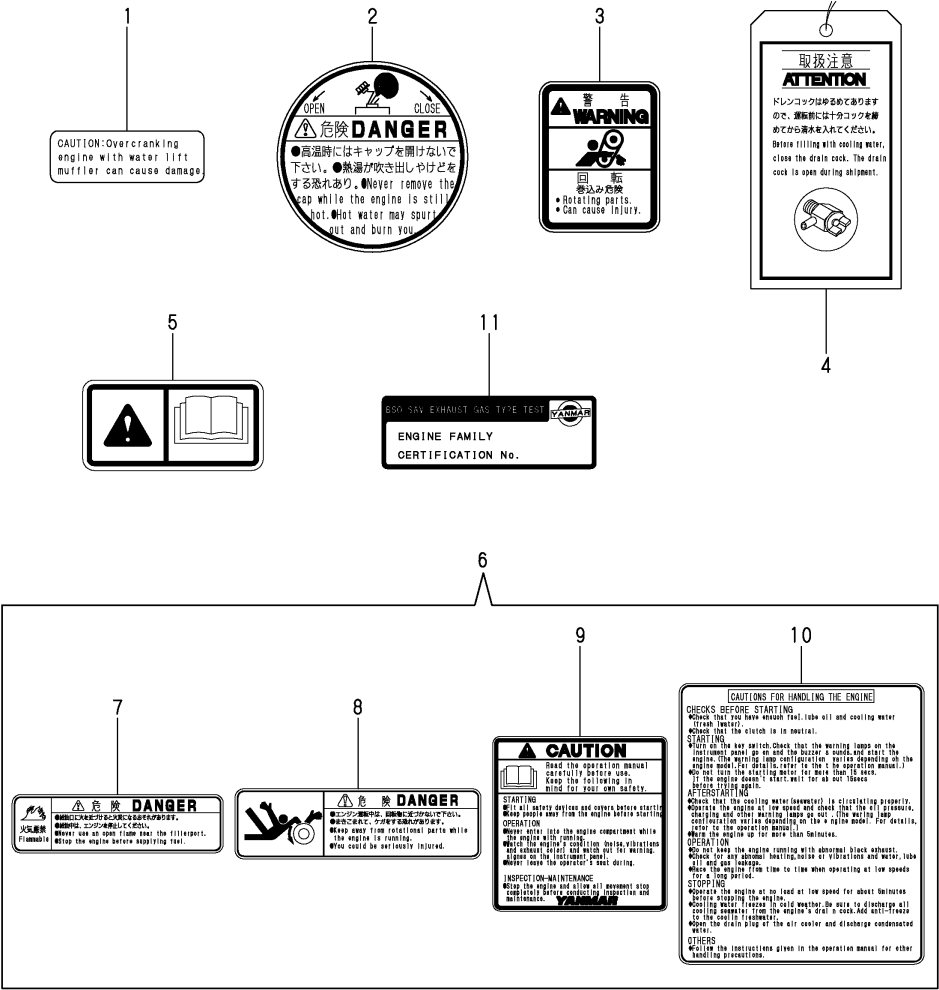
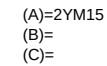


Fig.6. CYLINDER HEAD & BONNET



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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128990-07910	LIFTER	1							
2	1	26106-080142	BOLT, M8X 14 PLATED	2							
3	1	129901-11450	PROTECTOR, NOZZLE	2							
4	1	119600-11460	GASKET, NOZZLE	4							
5	1	105010-11490	CAP, VALVE	4							
6	1	119415-11750	HEAD ASSY, CYLINDER	1							
12	3	119515-11800	GUIDE, VALVE	4							1
14	3	119285-11990	PLUG, 35	2							
15	3	23876-005000	PLUG, R005	1							
16	2	119515-11100	VALVE, INTAKE	2							
17	2	119515-11110	VALVE, EXHAUST	2							
18	2	119717-11131	SPRING, VALVE	4							
19	2	129508-11180	RETAINER, SPRING	4							
20	2	119717-11190	COTTER	8							
21	2	119717-11340	SEAL, VALVE STEM	2							
22	2	119717-11350	SEAL, VALVE STEM	2							
23	1	22351-060012	PIN, SPRING 6.0X12	2							
24	1	119415-11200	SUPPORT ASSY, ARM	1							
25	2	119415-11240	SHAFT ASSY, ROCKER	1							
28	2	119717-11260	SUPPORT, ROCKER ARM	2							
29	2	119515-11280	SPRING	1							
30	2	119717-11650	ARM, ROCKER	4							
31	3	129150-11230	SCREW, VALVE ADJUST	4							
33	3	129150-11750	NUT, M8	4							
34	2	22242-000120	RING, 12	2							
35	2	26979-050162	SCREW, M5X16	1							
36	1	26106-080402	BOLT, M8X 40 PLATED	2							
37	1	124160-01751	COVER, FILLER	1							
38	1	119415-11380	BONNET ASSY, HEAD	1							
39	2	119717-03031	PLATE	1							
40	3	119717-03070	BAFFLE, BREATHER	1							
41	2	119717-03070	BAFFLE, BREATHER	2							
42	2	119802-03100	DIAPHRAGM ASSY	1							
43	3	119802-03110	PLATE	1							
44	3	119802-03121	COVER, DIAPHRAGM	1							
45	3	119802-03131	DIAPHRAGM	1							
46	3	119802-03141	SPRING, DIAPHRAGM	1							
48	2	119415-11310	GASKET, BONNET	1							
49	2	119415-11320	COVER, BONNET	1							
50	2	119415-11330	GASKET	1							
51	2	22857-500100	SCREW, 5X10	4							
52	2	22857-500100	SCREW, 5X10	4							
53	2	22857-500160	SCREW, 5X16	2							
54	1	24311-000320	O-RING, 1AP32.0	1							
55	1	26106-060202	BOLT, M6X 20 PLATED	2							
56	1	26106-060752	BOLT, M6X 75 PLATED	4							
57	1	119717-77800	PLUG, GLOW	2							
58	1	128790-77820	CONNECTOR, GLOW PLUG	1							

Remarks
(1)REPAIR PART.

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

Fig.7. AIR INTAKE SILENCER

(A)=2YM15
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128790-12210	JOINT	1							
2	1	128790-12500	SILENCER ASSY	1							
5	2	128270-12540	ELEMENT	1							
6	1	23000-060000	CLAMP, 60	2							
7	1	26106-080122	BOLT, M8X 12 PLATED	2							

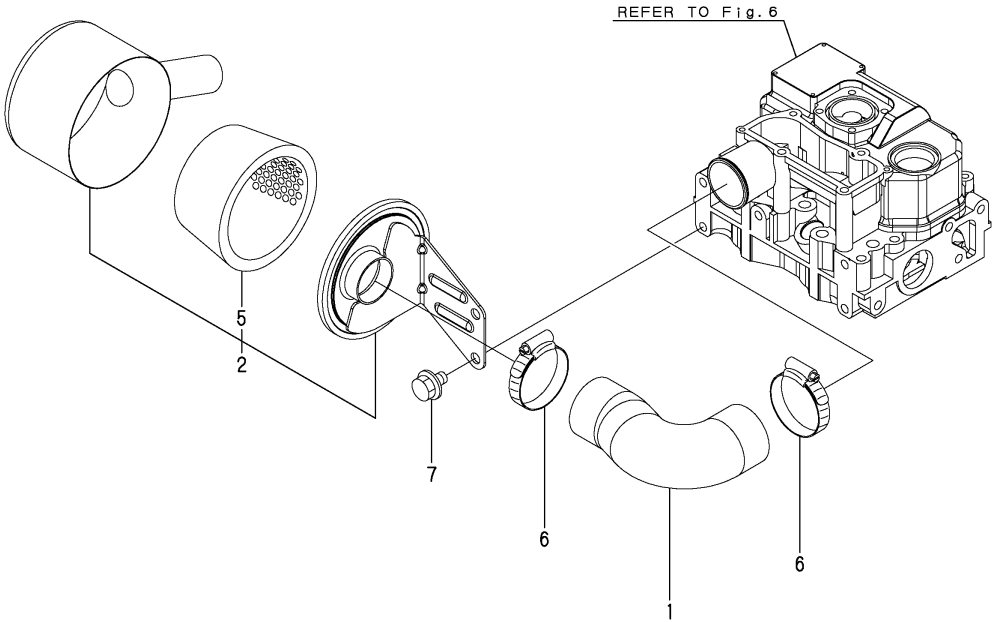
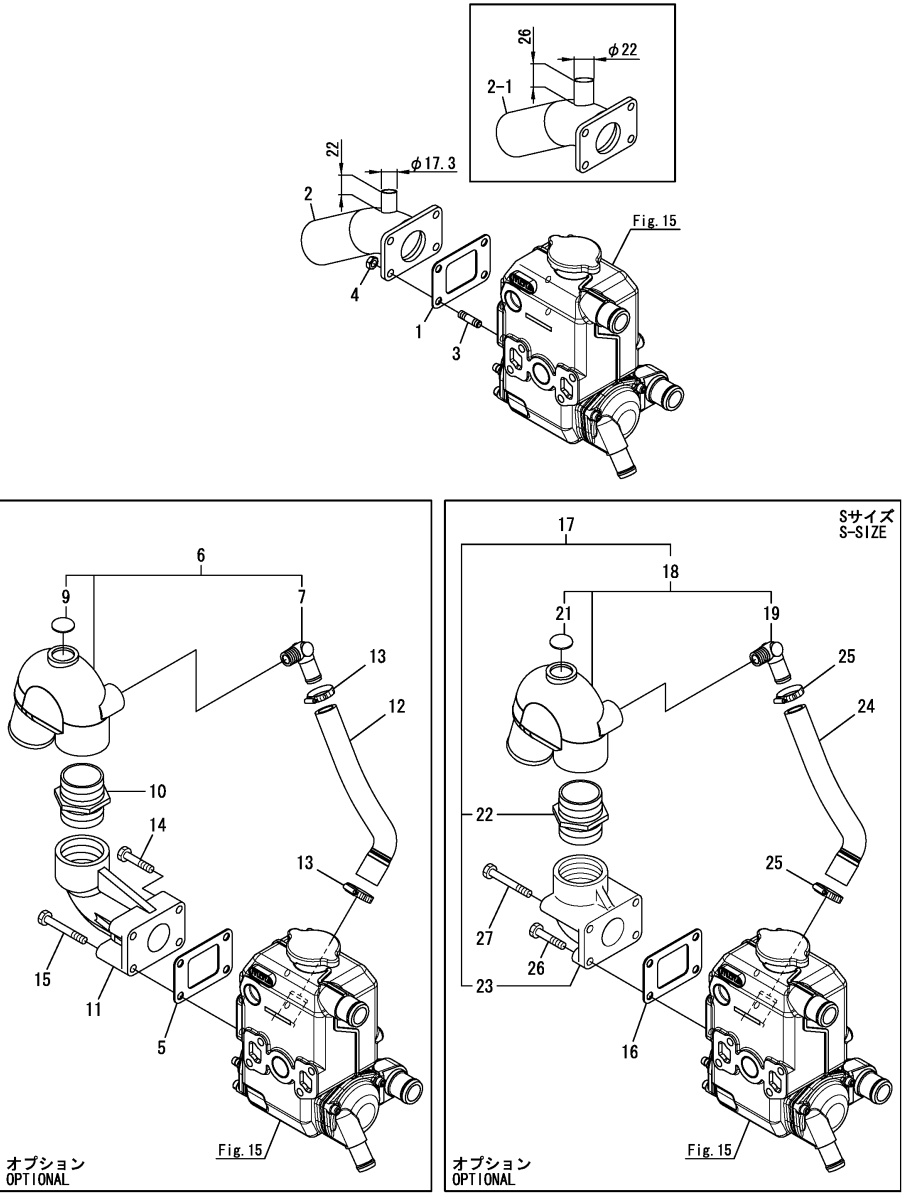


Fig.8. MIXING ELBOW

(A)=2YM15
(B)=
(C)=

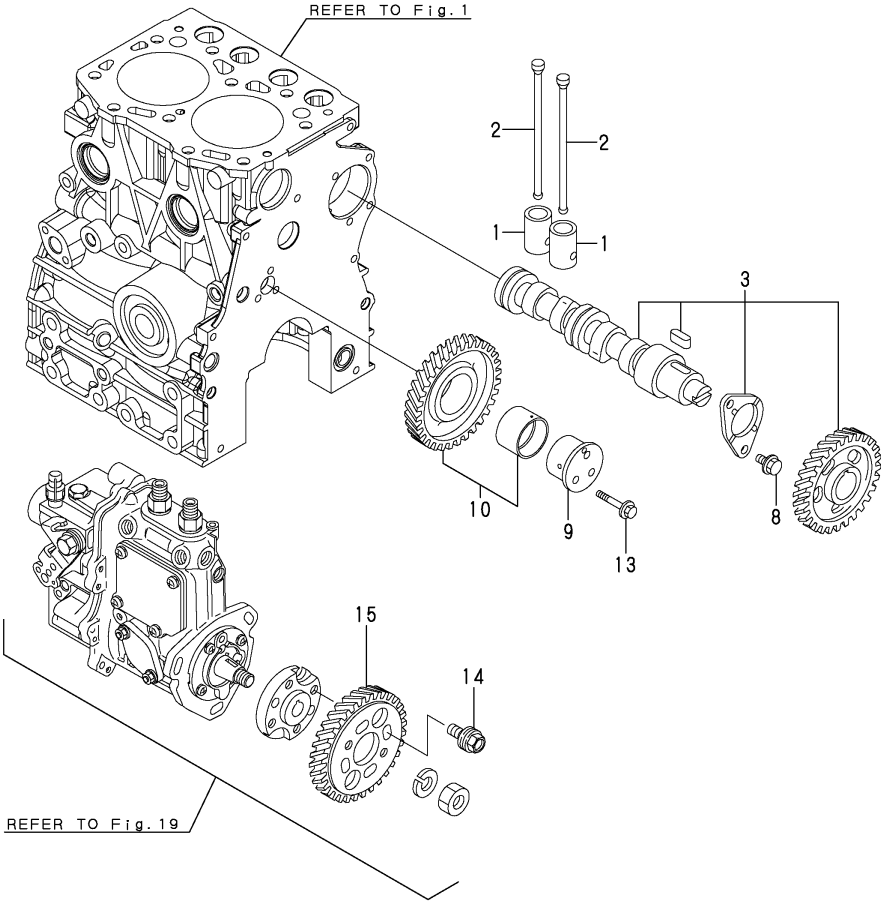
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128370-13201	GASKET	1							
2	1	128397-13530	ELBOW	1							
2-1	1	128890-13530	ELBOW	1						S	1
(A=E01478)											
3	1	128170-13600	STUD, M8X31	4							
4	1	26703-080002	NUT, M8	4							
5	1	128370-13201	GASKET	1							
6	1	124070-13520	ELBOW	1							
7	2	124070-13300	ELBOW, PT3/8	1							
9	2	27233-250000	PLUG, 25	1							
10	1	104214-13580	JOINT	1							
11	1	128370-13610	ELBOW	1							
12	1	128990-49040	PIPE, WATER	1							
13	1	23000-025000	CLAMP, 25	2							
14	1	26203-080402	BOLT, M8X 40 PLATED	2							
15	1	26203-080602	BOLT, M8X 60 PLATED	2							
16	1	128370-13201	GASKET	1							
17	1	128990-13510	ELBOW ASSY	1							
18	2	128990-13520	ELBOW ASSY	1							
19	3	124070-13300	ELBOW, PT3/8	1							
21	3	27233-250000	PLUG, 25	1							
22	2	104214-13580	JOINT	1							
23	2	128990-13610	BEND, EXHAUST	1							
24	1	128990-49090	PIPE, WATER	1							
25	1	23000-025000	CLAMP, 25	2							
26	1	26203-080302	BOLT, M8X 30 PLATED	2							
27	1	26203-080802	BOLT, M8X 80 PLATED	2							



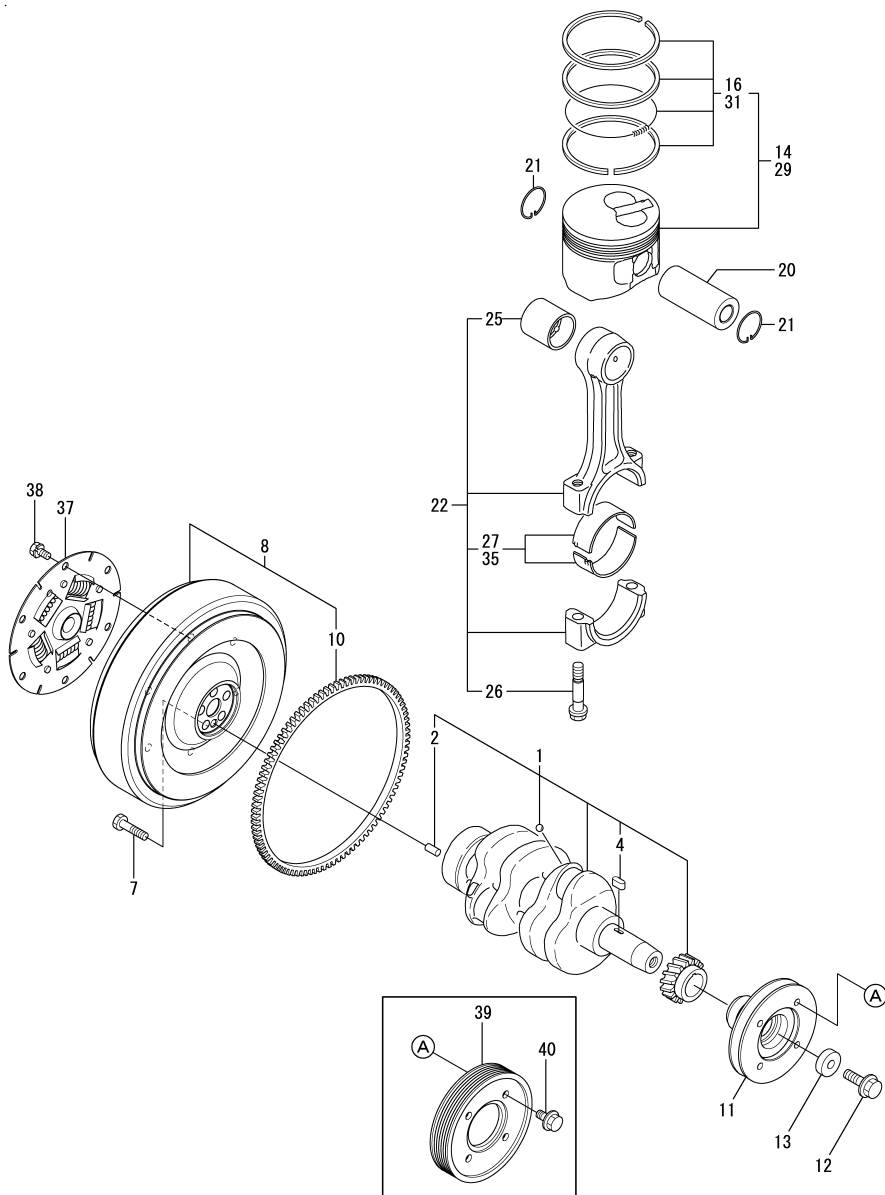
Remarks
(1)Interchangeable by simultaneous replacement with REF.No.2-1 FIG.16No.3-1.

Fig.9. CAMSHAFT & DRIVING GEAR



							OCF10-M62000 Fig.9					
							(A)=2YM15		(D)=			
							(B)=		(E)=			
							(C)=		(F)=			
No.	Lev.	Parts No.	Description	Q'ty						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	119620-14200	TAPPET	4								
2	1	119515-14400	ROD, PUSH	4								
3	1	119415-14580	CAMSHAFT ASSY	1								
8	1	26106-060122	BOLT, M6X 12 PLATED	2								
9	1	119717-25050	SHAFT, IDLE	1								
10	1	119717-25100	GEAR ASSY, IDLE	1								
13	1	26106-060352	BOLT, M6X 35 PLATED	3								
14	1	129150-25301	BOLT	4								
15	1	119717-25930	GEAR, PUMP	1								

Fig.10. CRANKSHAFT & PISTON



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

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

No.	Lev.	Parts No.	Description	Q'ty					I	R
				(A)	(B)	(C)	(D)	(E)		
1	1	119415-21700	CRANKSHAFT ASSY	1						
2	2	129100-01580	PIN, M8X16	1						
4	2	22512-040120	KEY, 4X 12	1						
7	1	121111-21501	BOLT, FLYWHEEL	5						
8	1	128790-21590	FLYWHEEL ASSY	1						
10	2	124950-21600	GEAR, RING	1						
11	1	128990-21650	V-PULLEY	1						
12	1	119621-21680	BOLT, FLANGE 12X1.25	1						
13	1	119620-21941	WASHER	1						
14	1	119515-22080	PISTON ASSY	2						
16	2	119515-22500	RING SET, PISTON	2						
20	1	119515-22300	PIN, PISTON	2						
21	1	22252-000220	RING, 22	4						
22	1	119515-23000	ROD ASSY, CONNECTING	2						
25	2	119717-23910	BEARING, PISTON PIN	2						1
26	2	119717-23200	BOLT, CONNECTING ROD	4						
27	2	119515-23600	BEARING, CRANK PIN	2						
29	1	119515-22900	PISTON ASSY, 0.25 OS	2						2
31	2	119515-22550	RING SET, 0.25 OS	2						2
35	1	119515-23610	METAL ASSY, 0.25	2						3
37	1	177070-03501	DISK, DAMPER D170	1						
38	1	26013-080142	BOLT, M8X 14	6						
39	1	128990-21670	PULLEY, CRANK 6PK	1						W 4
		(A=E05888)								
40	1	26106-080162	BOLT, M8X 16 PLATED	4						W 4
		(A=E05888)								

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

Copyright (C) YANMAR CO., LTD. All Rights Reserved.

Fig.11. LUB.OIL DIPSTICK

(A)=2YM15
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128990-34850	DIPSTICK, OIL	1							
2	1	128990-34860	GUIDE ASSY, DIPSTICK	1							
4	1	22190-160002	WASHER, SEAL 16	2							
5	1	23857-100000	BOLT, JOINT 10	1							
6	1	26366-100002	NUT, M10	1							
7	1	119309-01810	PLUG	1							

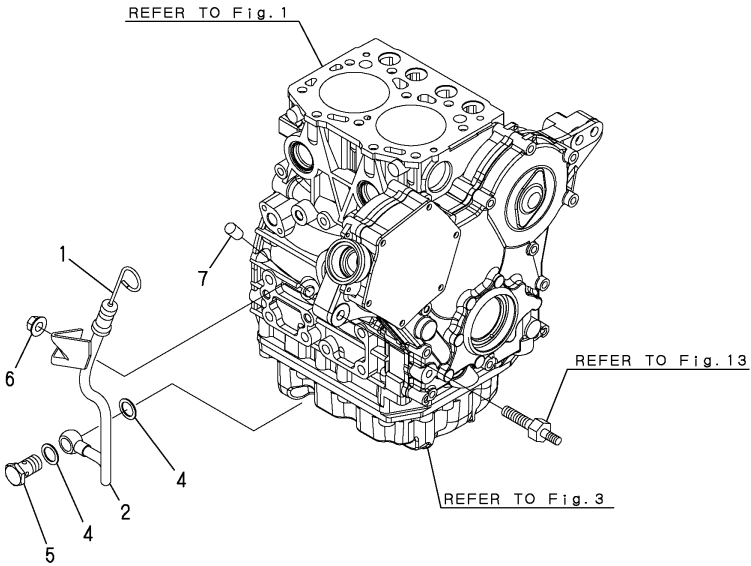
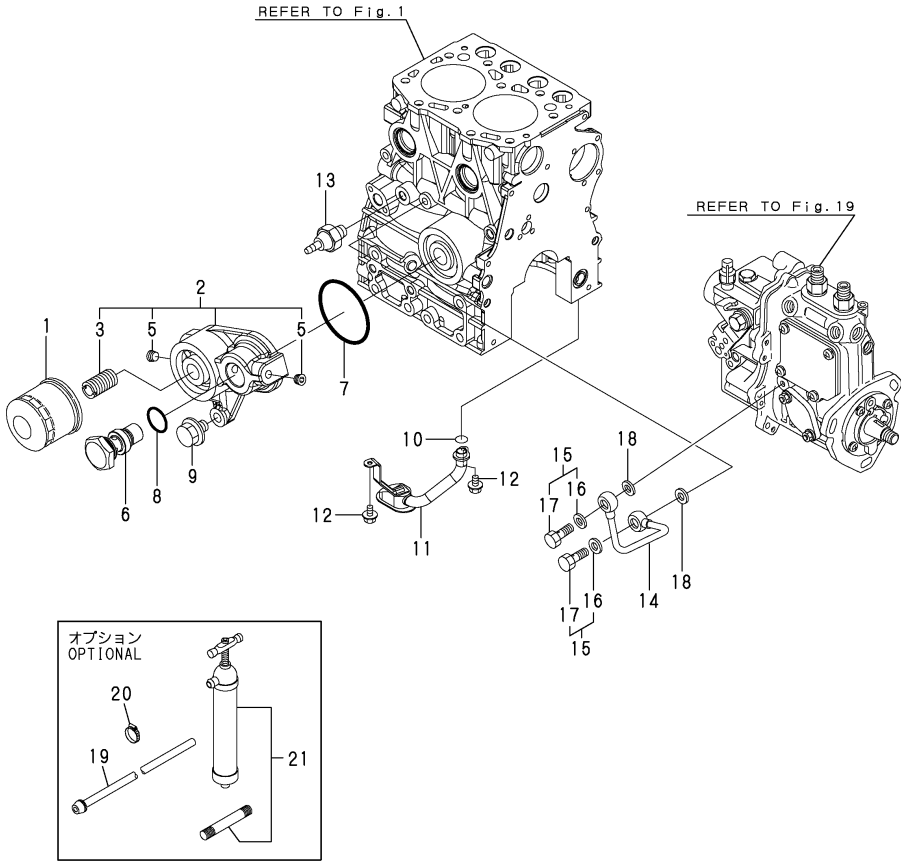


Fig.12. LUB.OIL SYSTEM

(A)=2YM15
(B)=
(C)=

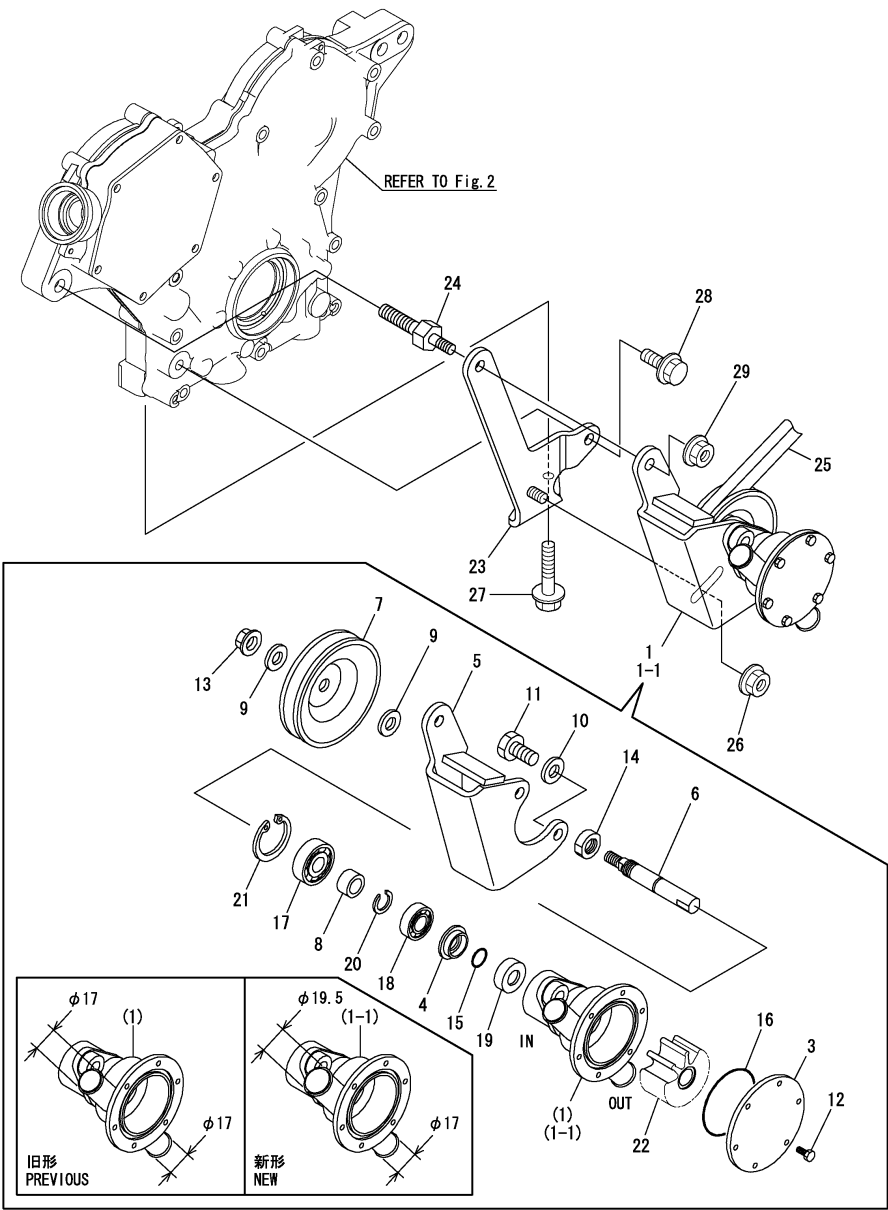
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119305-35151	FILTER ASSY, D68XL65	1							1
1-1	1	119305-35170	FILTER ASSY, D68XL65	1						R	2
2	1	128790-35450	BRACKET ASSY, FILTER	1							
3	2	129100-35140	BOLT, STUD	1							
5	2	23876-010000	PLUG, R01	2							
6	1	128790-35460	BOLT	1							
7	1	24327-000600	O-RING, 4EG60.0	1							
8	1	24357-240230	O-RING, 4E24023	1							
9	1	26106-100302	BOLT, M10X 30 PLATED	1							
10	1	119717-32060	O-RING, P15.0	1							
11	1	128790-35080	PIPE ASSY, OIL INLET	1							
12	1	26106-060102	BOLT, M6X 10 PLATED	2							
13	1	114250-39450	SWITCH, HYDRAULIC	1							
14	1	119415-39210	PIPE, OIL	1							
15	1	129005-59830	BOLT ASSY, JOINT M8	2							
16	2	22190-080002	WASHER, SEAL 6	2							
17	2	23857-030000	BOLT, JOINT 3	2							
18	1	22190-080002	WASHER, SEAL 6	2							
19	1	128275-39710	PIPE, OIL	1						Z	
(A=EXXXXXX)											
20	1	23080-018000	CLAMP, 18	3						Z	
(A=EXXXXXX)											
21	1	28210-000080	PUMP	1						Z	
(A=EXXXXXX)											

Remarks
(1)Non-branded filter(without Yanmar logo).
(2)Branded filter(with Yanmar logo).

Fig.13. COOLING SEA WATER PUMP



(A)=2YM15
(B)=
(C)=

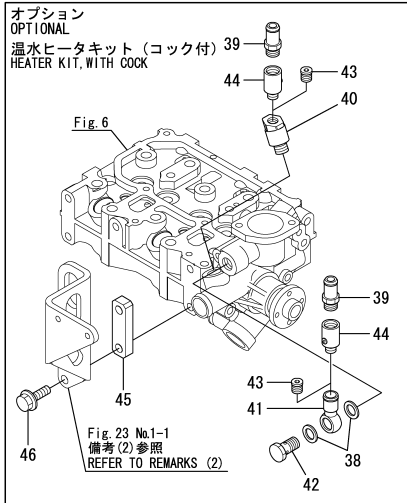
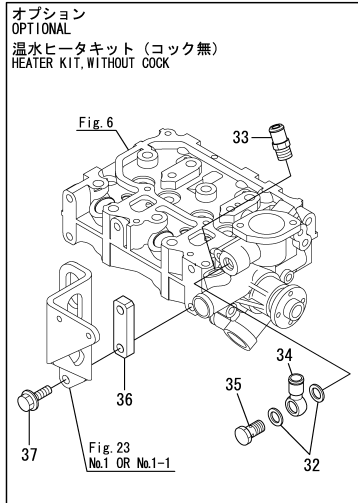
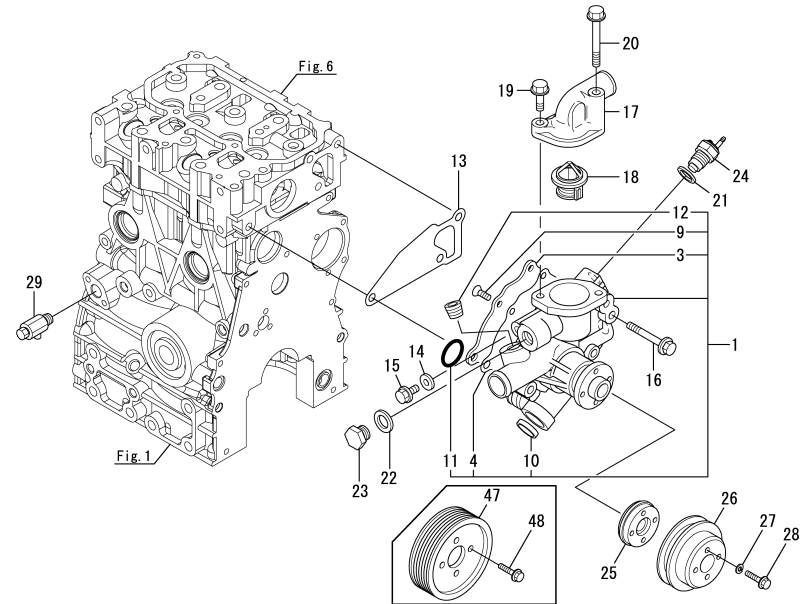
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128990-42500	PUMP ASSY, WATER	1							
1-1	1	128990-42510	PUMP ASSY, WATER	1						S	1
(A=*2009.02)											
3	2	X0142398	COVER	1							
4	2	X0145050	PLATE	1							
5	2	128990-42151	BRACKET, PUMP	1							
6	2	X0146541	SHAFT	1							
7	2	124070-42400	V-PULLEY	1							
8	2	X0146542	SPACER	1							
9	2	X014678901	WASHER	2							
10	2	X00353309	WASHER	2							
11	2	X00141916	SCREW	2							
12	2	128990-42520	SCREW	6							
13	2	X00190050	NUT, LOCK	1							
14	2	X00183200	NUT	1							
15	2	X02173432	O-RING	1							
16	2	X02173476	O-RING	1							
17	2	X03431760	BEARING, BALL	1							
18	2	X03431748	BEARING, BALL	1							
19	2	X02233010	SEAL, LIP	1							
20	2	X00370012	RING, RETAINING	1							
21	2	X00371732	RING, RETAINING	1							
22	2	128990-42200	IMPELLER, D=50.8	1							
23	1	128990-42160	BRACKET, PUMP	1							
24	1	128990-42170	BOLT	1							
25	1	104511-78780	V-BELT, M/19	1							
26	1	26366-080002	NUT, M8	1							
27	1	26106-060302	BOLT, M6X 30 PLATED	1							
28	1	26106-080202	BOLT, M8X 20 PLATED	1							
29	1	26366-080002	NUT, M8	1							

Remarks
(1)INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH LOALARRANGEMENTS
PUMP ENTRANCE HOSE..(57MM-68MM)

Fig.14. COOLING FRESH WATER PUMP

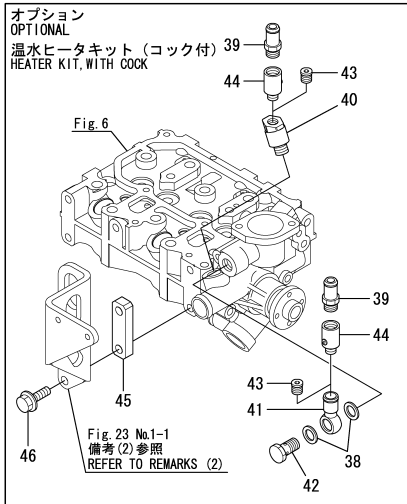
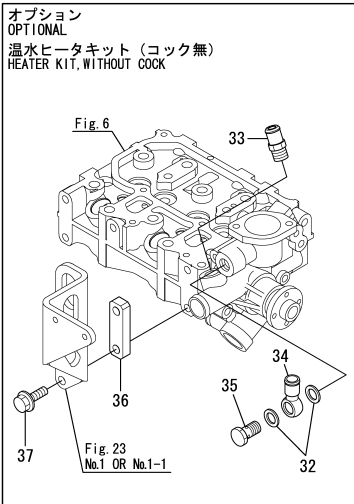
(A)=2YM15
(B)=
(C)=
(D)=
(E)=
(F)=



Remarks
(1)Heater kit, without cook assy.
(2)Heater kit, with cook assy.
to avoid the interference between
the joint and lifting hook.
in use of Fig.23 No.1, please
exchange for No.1-1.
(3)Valeo generator spec.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119540-42000	PUMP ASSY, WATER	1							
3	2	119515-42041	COVER	1							
4	2	119717-42031	GASKET	1							
9	2	26577-060122	SCREW, M6X12	4							
10	2	27241-250000	PLUG, 25	1							
11	2	119717-42320	O-RING, P26	1							
12	2	129916-49740	PLUG, R03	1							
13	1	119515-42020	GASKET, WATER PUMP	1							
14	1	23414-080000	GASKET, 8X1.0	1							
15	1	26106-080122	BOLT, M8X 12 PLATED	1							
16	1	26106-080502	BOLT, M8X 50 PLATED	3							
17	1	124101-49530	COVER, THERMOSTAT	1							
18	1	128990-49800	THERMOSTAT, 71	1							
19	1	26106-080252	BOLT, M8X 25 PLATED	1							
20	1	26106-080652	BOLT, M8X 65 PLATED	1							
21	1	124465-44950	GASKET, 16	1							
22	1	124465-44950	GASKET, 16	1							
23	1	121450-42450	PLUG, M16	1							
24	1	46150-503100	SWITCH, 95	1							
25	1	128990-42260	SPACER	1							Z
(A=E05887)											
26	1	119740-42350	V-PULLEY, D=90	1							Z
(A=E05887)											
27	1	22217-060000	WASHER, SPRING 6	4							Z
(A=EXXXXX)											
28	1	26106-060282	BOLT, M6X 28 PLATED	4							
28-1	1	26106-060252	BOLT, M6X 25 PLATED	4							R
(A=EXXXXX)											
28-2	1	26106-060252	BOLT, M6X 25 PLATED	4							Z
(A=E05887)											
29	1	119620-49290	COCK ASSY, 1/4	1							
32	1	124465-44950	GASKET, 16	2							Z 1
(A=EXXXXX)											
33	1	128990-49320	JOINT, 3/8	1							Z 1
(A=EXXXXX)											
34	1	128990-49330	JOINT	1							Z 1
(A=EXXXXX)											
35	1	23854-100000	BOLT, JOINT 10	1							Z 1
(A=EXXXXX)											
36	1	128890-55020	SPACER	1							W 1
(A=*2004.11)											
36-1	1	128890-55020	SPACER	1							Z
(A=EXXXXX)											
37	1	26106-080252	BOLT, M8X 25 PLATED	2							W 1
(A=*2004.11)											
37-1	1	26106-080252	BOLT, M8X 25 PLATED	2							Z
(A=EXXXXX)											
38	1	124465-44950	GASKET, 16	2							W 2
(A=*2004.11)											
39	1	128990-49320	JOINT, 3/8	2							W 2
(A=*2004.11)											

Fig.14. COOLING FRESH WATER PUMP



Remarks
(1)Heater kit, without cook assy.
(2)Heater kit, with cook assy.
to avoid the interference between
the joint and lifting hook.
in use of Fig.23 No.1, please
exchange for No.1-1.
(3)Valeo generator spec.

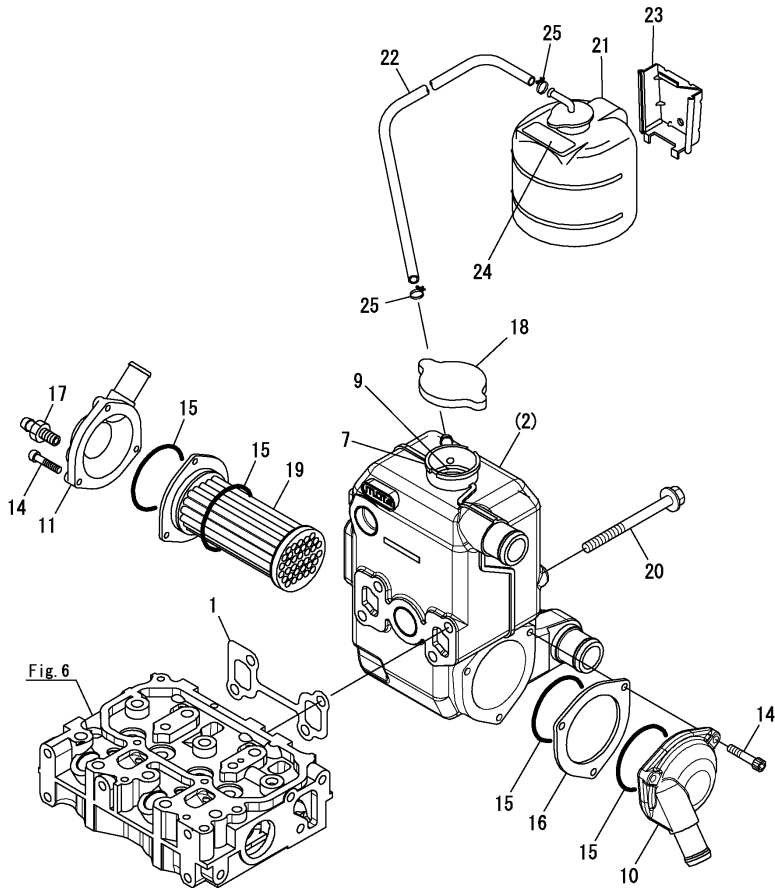
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
40	1	128990-49350	JOINT, 3/8X1/4	1						W	2
41	1	128990-49360	JOINT	1						W	2
42	1	128990-49370	BOLT, PIPE JOINT	1						W	2
43	1	128990-49380	PLUG, R1/4	2						W	2
44	1	128990-49390	COCK ASSY,R1/4XRP3/8	2						W	2
45	1	128890-55020	SPACER	1						W	2
46	1	26106-080252	BOLT, M8X 25 PLATED	2						W	2
47	1	128990-42350	PULLEY,CW PUMP 6PK	1						W	3
48	1	26106-060122	BOLT, M6X 12 PLATED	4						W	3

Fig.15. COOLING FRESH WATER COOLER

(A)=2YM15
(B)=
(C)=

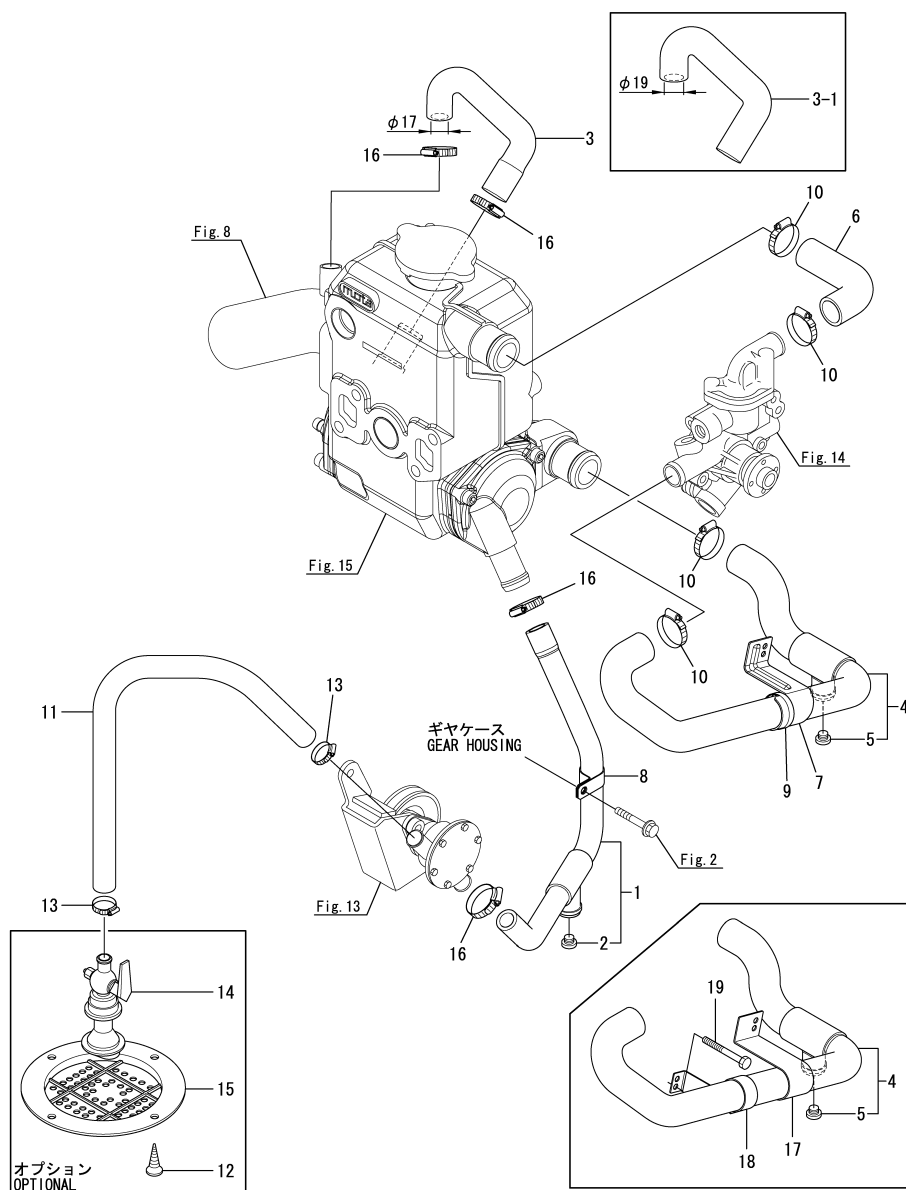
(D)=
(E)=
(F)=

2 inc. (2) ~19



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119415-13110	GASKET	1							
2	1	128790-44900	COOLER ASSY, WATER	1							
7	3	129673-44110	FILLER	1							
9	3	129673-44150	TUBE, D28.5X1.5 LG6	1							
10	2	128990-44070	BONNET	1							
11	2	128990-44080	BONNET ASSY	1							
14	2	128990-44090	SCREW, M6X30	6							
15	2	128990-44100	O-RING, D65.6X3.53	4							
16	2	128990-44110	SPACER	1							
17	2	128990-44120	PLUG, DRAIN	1							
18	2	129673-44130	CAP	1							
19	2	128790-44400	ELEMENT	1							
20	1	26106-081152	BOLT, M8X115 PLATED	4							
21	1	128397-44500	TANK ASSY, SUB	1							
22	1	129270-44500	PIPE, OVERFLOW	1							
23	1	128397-44510	BRACKET	1							
24	1	129670-44570	LABEL, SUB-TANK	1							
25	1	23010-013000	CLAMP 13	2							

Fig.16. COOLING WATER PIPE



(1) Interchangeable by simultaneous replacement with REF.No.3-1 FIG.8No.2-1.
(2) Valeo generator spec.

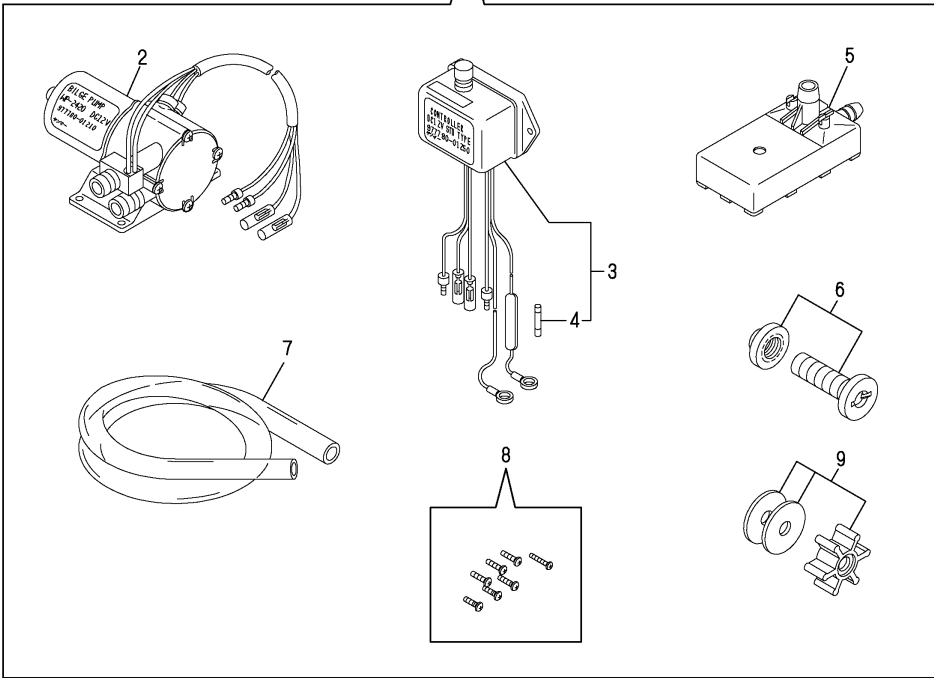
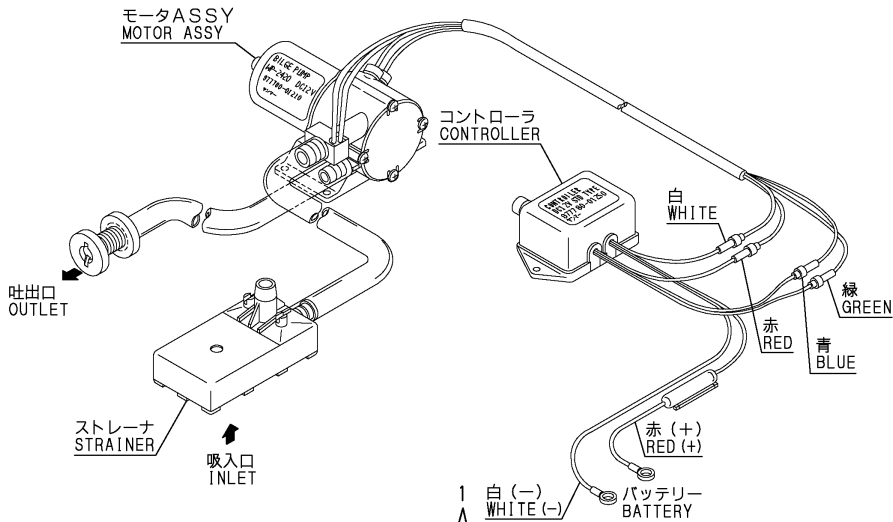
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	(A)	(B)	Q'ty (C) (D) (E) (F)				I	R
1	1	128990-49010	PIPE, WATER	1							
2	2	128990-49110	PLUG ASSY, G1/8	1							
3	1	128990-49020	PIPE, WATER	1							
3-1	1	128990-49021	PIPE, WATER	1						S	1
(A=E04990)											
4	1	128790-49050	PIPE, WATER	1							
5	2	128990-49110	PLUG ASSY, G1/8	1							
6	1	128990-49060	PIPE, WATER	1							
7	1	128990-49150	RETAINER, PIPE	1						Z	
(A=E05887)											
8	1	121575-49310	RETAINER, PIPE	1							
9	1	194250-51660	BAND, NYLON	1							
9-1	1	29622-250001	BAND, RF250	1							R
(A=EXXXXXX)											
9-2	1	29622-250001	BAND, RF250	1						Z	
(A=E05887)											
10	1	23000-041000	CLAMP, 41	4							
10-1	1	129670-49500	CLIP, HOSE 38	4							R
(A=EXXXXXX)											
11	1	124223-49050	PIPE, WATER	1							
12	1	22724-800380	SCREW, 8.0X38	4							
13	1	23000-025000	CLAMP, 25	2							
14	1	43662-015020	COCK	1							
15	1	43666-020951	COVER, STRAINER	1							
16	1	23000-028000	CLAMP, 28	4							
17	1	128990-49161	RETAINER,CFW HOSE	1						W	2
(A=E05888)											
18	1	128990-49170	RETAINER,CFW HOSE	1						W	2
(A=E05888)											
19	1	26116-060652	BOLT, M6X 65 PLATED	1						W	2
(A=E05888)											

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

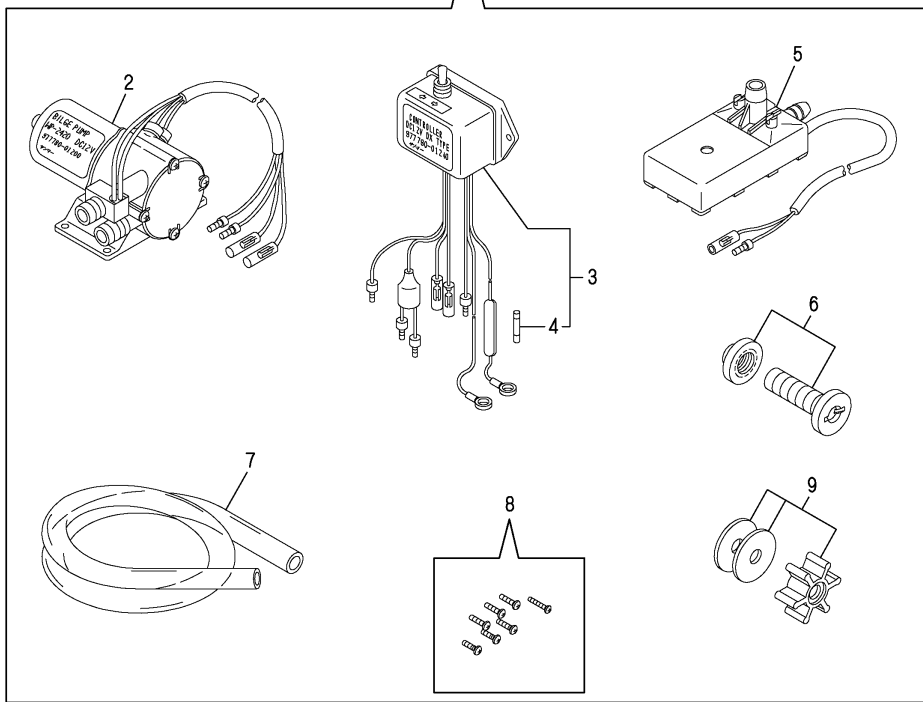
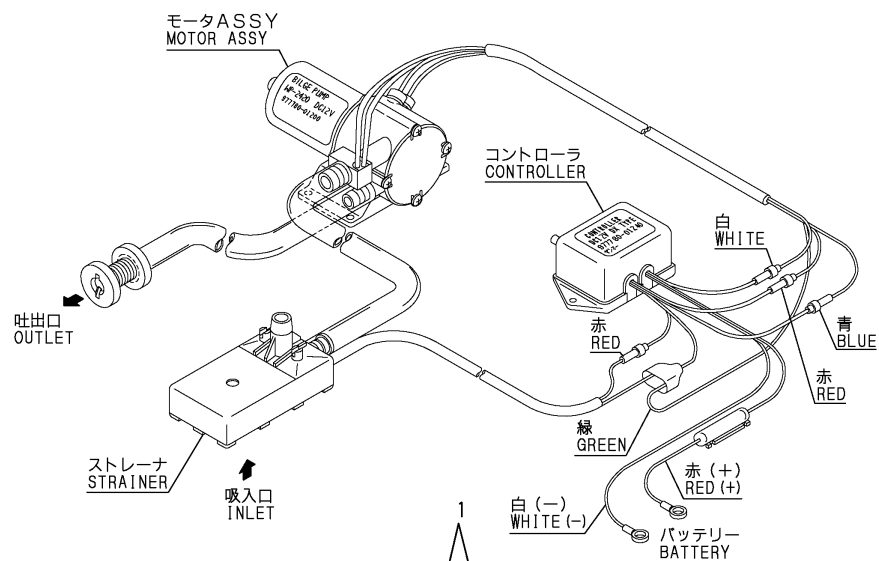
Copyright (C) YANMAR CO., LTD. All Rights Reserved.

Fig.17. BILGE PUMP(STD/OPTIONAL)



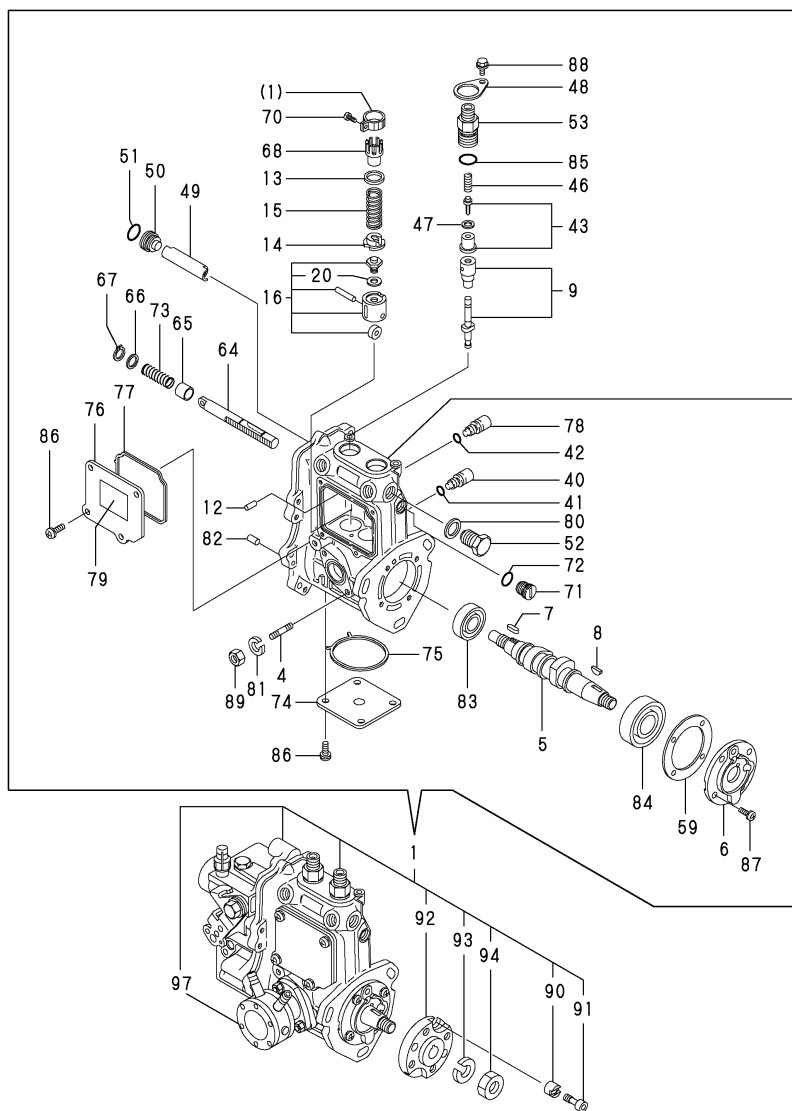
														OCF10-M62000		Fig.17					
														(A)=2YM15		(D)=					
														(B)=		(E)=					
														(C)=		(F)=					
														Q'ty						I R	
No.	Lev.	Parts No.	Description											(A)	(B)	(C)	(D)	(E)	(F)		
1	1	977780-01210	PUMP(12V).BILGE											1							
2	2	977780-01230	MOTOR ASSY(BILG PUMP											1							
3	2	977780-01250	CONTROLLER											1							
4	3	X8636008003	FUSE											1							
5	2	X179100021X	STRAINER											1							
6	2	X179100100X	PIPE ASSY											1							
7	2	X0044021509	HOSE A											1							
8	2	X199903800X	SCREW KIT											1							
9	2	977780-03000	INPELLER											1							

Fig.18. BILGE PUMP(DX/OPTIONAL)



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

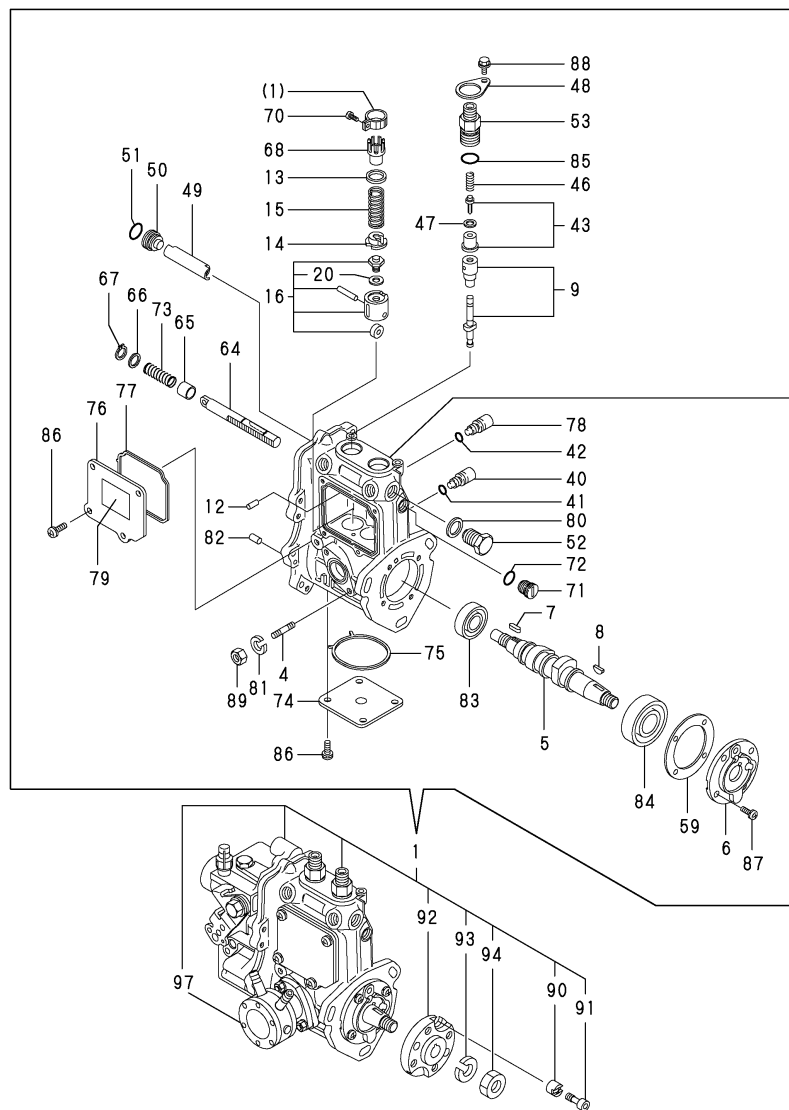
Fig.19. FUEL INJECTION PUMP



(1)GOVERNOR(FIG.20)AND FUEL FEED PUMP (FIG.21) IS INCORPORATED IN THIS FUEL INJECTION PUMP.(REF.NO.1)

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)
1	1	728790-51350	PUMP ASSY, INJECTION	1					
4	2	129155-51020	STUD	2					
5	2	119415-51030	CAMSHAFT	1					
6	2	119717-51060	SUPPORT, CAMSHAFT	1					
7	2	119717-51070	KEY	1					
8	2	122710-51090	KEY	1					
9	2	119415-51100	PLUNGER ASSY	2					
12	2	129155-51140	PIN	2					
13	2	158600-51170	RETAINER, SPRING	2					
14	2	119717-51180	RETAINER, SPRING	2					
15	2	119717-51190	SPRING, PLUNGER	2					
16	2	119717-51200	TAPPET ASSY	2					
20	3	129155-51600	SHIM SET, ADJUSTING	2					
40	2	158600-51270	STOPPER, TAPPET	2					
41	2	129155-51280	O-RING, S6	2					
42	2	129155-51280	O-RING, S6	1					
43	2	119717-51300	VALVE ASSY, DELIVERY	2					
46	2	119717-51330	SPRING, DELIVERY	2					
47	2	124550-51350	GASKET, DELIVERY	2					
48	2	118400-51370	LOCKING	2					
49	2	119415-51400	PROTECTOR	1					
50	2	158600-51410	PLUG, DEFLECTOR	1					
51	2	119717-51420	O-RING	1					
52	2	158600-51420	PLUG, DEFLECTOR	1					
53	2	158600-51441	VALVE ASSY, DELIVERY	2					
59	2	129155-51450	SHIM SET, ADJUSTING	1					
64	2	119415-51500	RACK, CONTROL	1					
65	2	129155-51521	BUSH, RACK	1					
66	2	129155-51530	SPACER	1					
67	2	129155-51540	CIRCLIP	1					
68	2	129155-51550	PINION, CONTROL	2					
70	2	129100-51570	SCREW	2					
71	2	158600-51570	PLUG	1					
72	2	129155-51580	O-RING	1					
73	2	129155-51591	SPRING, RACK	1					
74	2	119415-51700	COVER	1					
75	2	119415-51710	GASKET	1					
76	2	119415-51750	COVER	1					
77	2	119415-51760	GASKET	1					
78	2	158600-51790	STOOPER, RACK	1					
79	2	129156-51910	LABEL, CAUTION	1					
80	2	22190-160002	WASHER, SEAL 16	1					
81	2	22217-060000	WASHER, SPRING 6	2					
82	2	22351-050010	PIN, SPRING 5.0X10	2					
83	2	24101-060034	BEARING, BALL 6003	1					
84	2	24101-063034	BEARING, BALL 6303	1					
85	2	24316-000150	O-RING, 4DP15.0	2					
86	2	26022-050122	SCREW, M5X12	8					
87	2	26022-060162	SCREW, M6X16	4					
88	2	26106-050102	BOLT, M5X 10 PLATED	2					
89	2	26716-060002	NUT, M6	2					

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

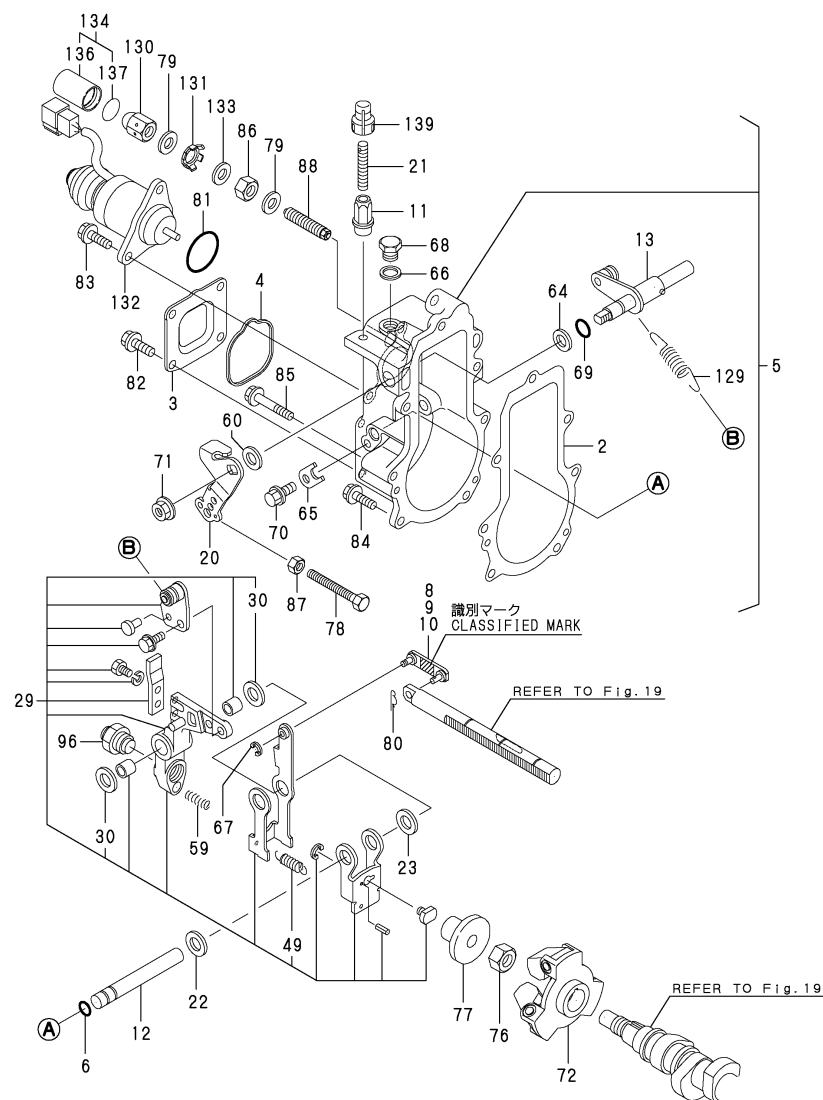


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
90	2	119717-51480	COLLAR	1							
91	2	119717-51490	BOLT	1							
92	2	119717-51150	FLANGE	1							
93	2	22217-120000	WASHER, SPRING 12	1							
94	2	26716-120002	NUT, M12	1							
97	2	129158-52000	PUMP ASSY, FUEL FEED	1							

Remarks
(1)GOVERNOR(FIG.20)AND FUEL FEED PUMP
(FIG.21) IS INCORPORATED IN THIS
FUEL INJECTION PUMP.(REF.NO.1)

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

Fig.20. GOVERNOR

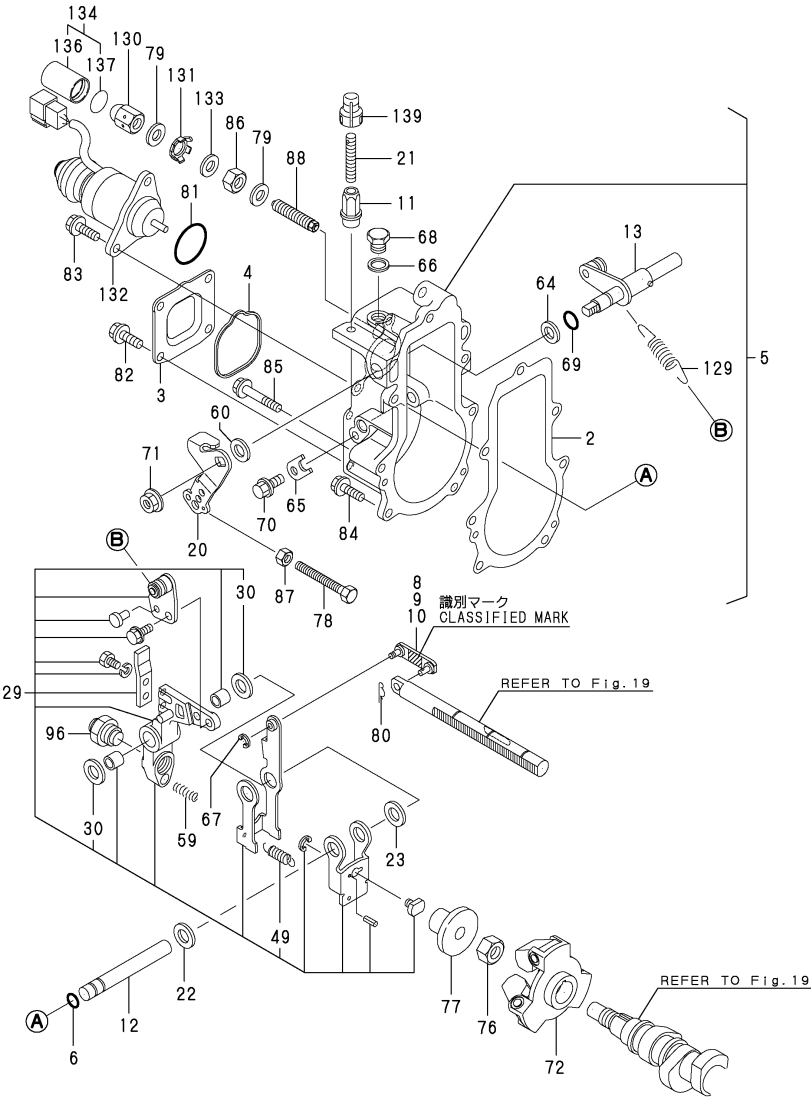


(1)SELECTION USE PARTS.:
CERTAIN THE CLASSIFICATION MARK,
THEN PLACE YOUR ORDER.
(REFER TO ILLUSTRATION)
(2)REPAIR PART.

				(A)=2YM15 (B)= (C)=	(D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	119717-61050	GASKET	1							
3	2	119717-61060	COVER, GOVERNOR CASE	1							
4	2	119717-61070	GASKET	1							
5	2	119717-61100	CASE ASSY, GOVERNOR	1							
6	3	129155-51280	O-RING, S6	1							
8	3	119717-61120	LINK, MARK :3	1							1
9	3	119717-61130	LINK, MARK 98	1							1
10	3	119717-61140	LINK, MARK 88	1							1
10A	3	119717-61150	LINK, MARK 03	1							1
11	3	129209-61370	NUT, M6	1							
12	3	129052-61390	SHAFT	1							
13	3	119717-61400	SHAFT ASSY	1							
20	3	119515-61440	LEVER, CONTROL	1							
21	3	129155-61450	BOLT, LIMITER	1							
22	3	129156-61460	SHIM, T=0.6	1							
23	3	129155-61480	SPACER ASSY	1							
29	3	119717-61500	LEVER ASSY, GOVERNOR	1							
30	4	174307-51700	SHIM SET	2							
49	4	129486-61540	SPRING, SET	1							
59	3	129100-61650	SPRING, CONTROLLER	1							
60	3	158552-61700	SHIM SET	1							
64	3	158552-61710	SHIM, T=1.0	1							
65	3	119660-61901	RETAINER, SHAFT	1							
66	3	22190-100002	WASHER, SEAL 10	1							
67	3	22272-000030	RING, E- 3	1							
68	3	23887-100002	PLUG, 10	1							
69	3	24341-000070	O-RING, 1AS7.0	1							
70	3	26106-060102	BOLT, M6X 10 PLATED	1							
71	3	26366-080002	NUT, M8	1							
72	2	119717-61200	WEIGHT ASSY,GOVERNOR	1							
76	2	119660-61300	NUT	1							
77	2	129155-61341	SLEEVE	1							
78	2	129155-61460	BOLT, IDLE	1							
79	2	22190-120002	WASHER, SEAL 12	2							
80	2	22372-040000	PIN, SNAP 4	1							
81	2	24341-000280	O-RING, 1AS28.0	1							
81-1	2	158552-61900	O-RING	1							N
(A=EXXXXX)											
82	2	26106-060102	BOLT, M6X 10 PLATED	4							
83	2	26106-060142	BOLT, M6X 14 PLATED	2							
84	2	26106-060202	BOLT, M6X 20 PLATED	4							
85	2	26106-060452	BOLT, M6X 45 PLATED	3							
86	2	26736-120002	NUT, M12	1							
87	2	26756-060002	NUT, LOCK M6	1							
88	2	158601-61760	LIMITER ASSY, FUEL	1							
96	2	128990-61560	ANGLEICH ASSY	1							
129	2	119527-61700	SPRING, GOVERNOR	1							
130	2	129209-61930	NUT, CAP	1							
131	2	129209-61970	PLATE	1							
132	2	129271-77950	SOLENOID, STOP	1							
133	2	23414-120016	GASKET, 12X1.0	1							

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

Fig.20. GOVERNOR



(A)=2YM15
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
134	1	129209-61940	CASE ASSY	1							
136	2	129209-61960	CASE	1							2
137	2	24311-000150	O-RING, 1AP15.0	1							
139	1	119285-66650	CAP, HIGH-IDLE	1							2

Remarks
(1)SELECTION USE PARTS.:
CERTAIN THE CLASSIFICATION MARK,
THEN PLACE YOUR ORDER.
(REFER TO ILLUSTRATION)
(2)REPAIR PART.

Fig.21. FUEL FEED PUMP

(A)=2YM15
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	129158-52000	PUMP ASSY, FUEL FEED	1							
2	3	129155-52051	GASKET	1							
3	3	129158-52101	PUMP ASSY, FUEL FEED	1							

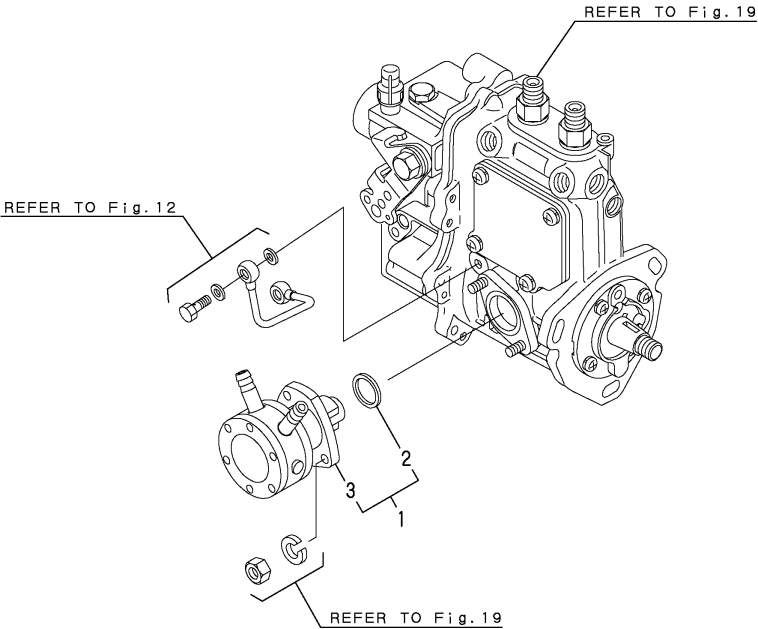
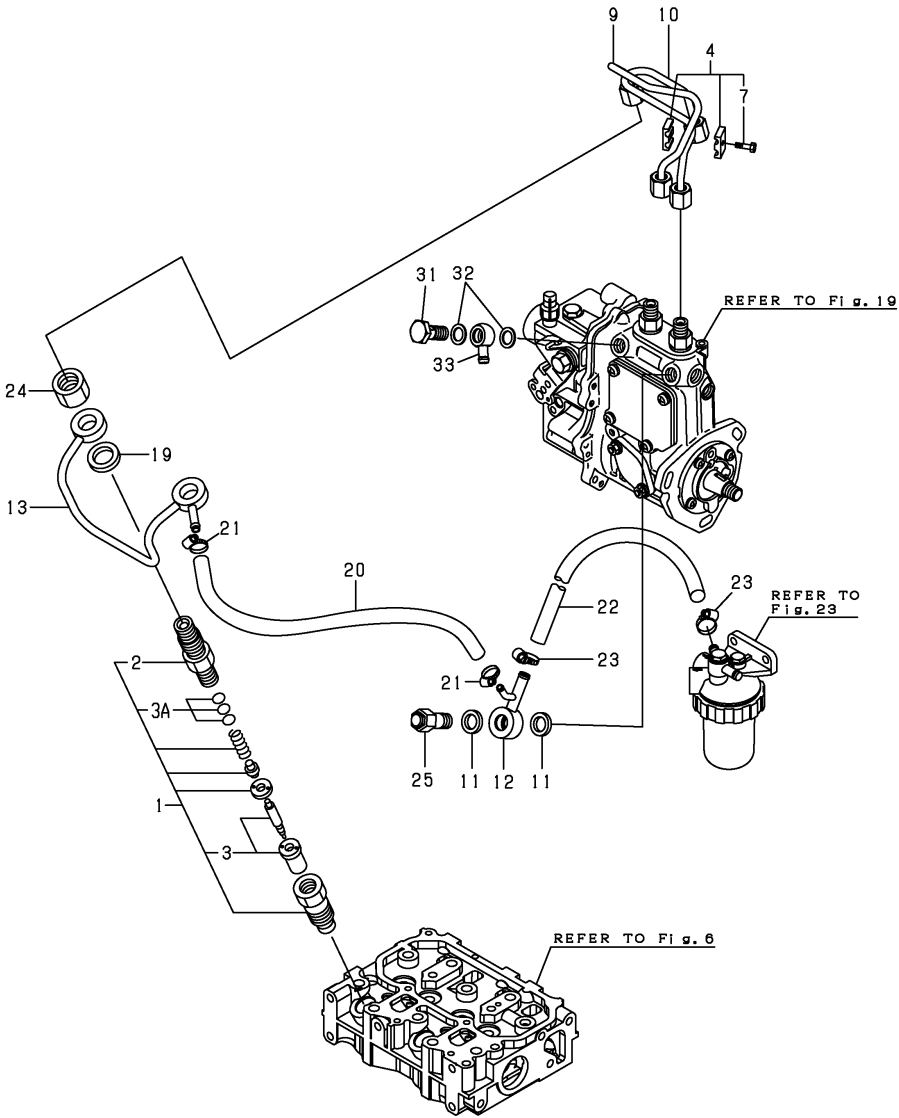


Fig.22. F.I.VALVE & F.I.PIPE



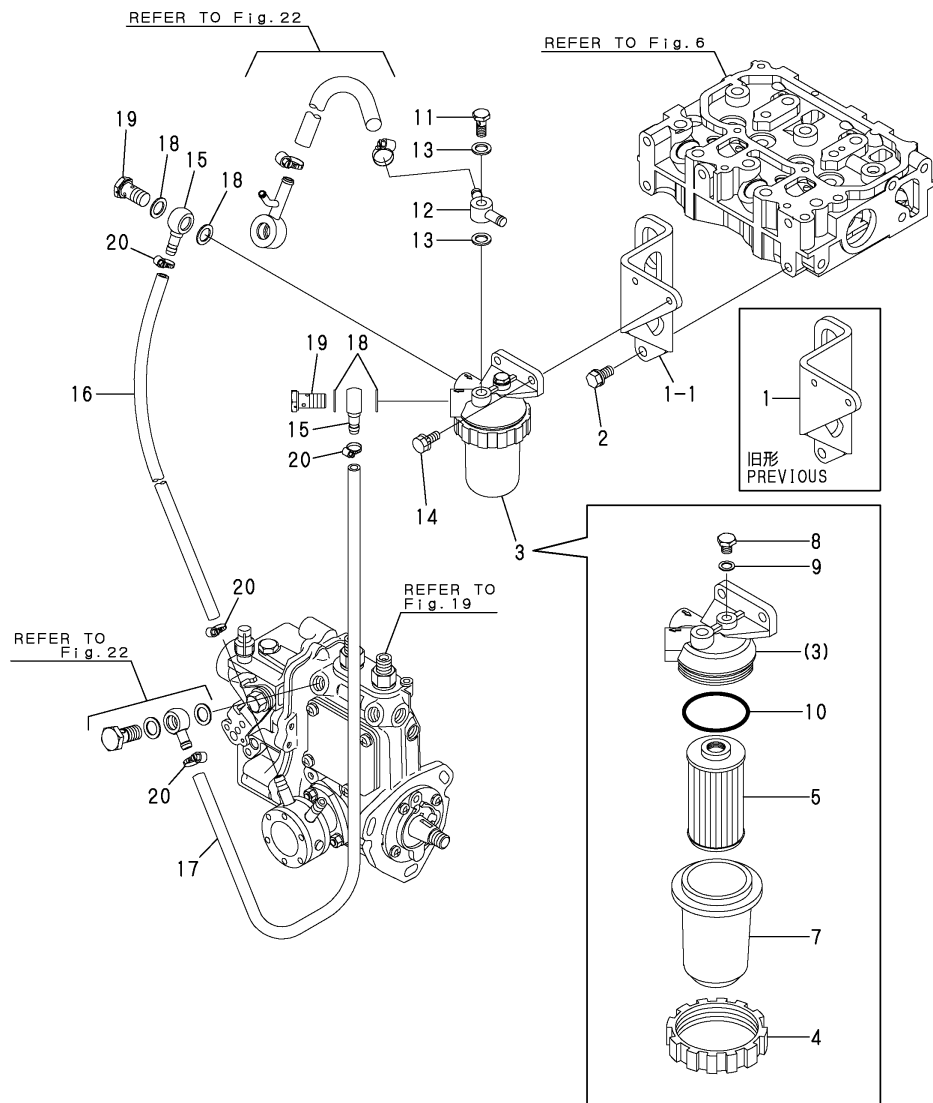
Remarks
(1)Service parts.

										OCF10-M62000		Fig.22	
										(A)=2YM15		(D)=	
										(B)=		(E)=	
										(C)=		(F)=	
No.	Lev.	Parts No.	Description	Q'ty		I		R					
				(A)	(B)	(C)	(D)	(E)	(F)				
1	1	119515-53001	VALVE ASSY,INJECTION	2									
2	2	118200-53010	HOLDER, NOZZLE	2									
3	2	119515-53010	NOZZLE ASSY, F.I.	2									
3A	2	129901-53800	SHIM SET, ADJUSTING	2							1		
4	1	119305-59120	RETAINER, PIPE	1									
7	2	129150-59131	BOLT, M4X14	1									
9	1	119415-59810	PIPE ASSY, INJECTION	1									
10	1	119415-59820	PIPE ASSY, INJECTION	1									
11	1	22190-120002	WASHER, SEAL 12	2									
12	1	119840-59570	JOINT	1									
13	1	119415-59540	PIPE ASSY, RETURN	1									
19	1	129901-59560	GASKET	2									
20	1	119773-59511	PIPE, FUEL	1									
21	1	23000-016000	CLAMP, 16	2									
22	1	128890-59040	PIPE, FUEL	1									
23	1	23000-016000	CLAMP, 16	2									
24	1	119620-59700	NUT, NOZZLE	2									
25	1	119813-59950	VALVE ASSY, CHECK	1									
31	1	103854-39140	BOLT, PIPE JOINT	1									
32	1	22190-120002	WASHER, SEAL 12	2									
33	1	101304-59020	JOINT, PIPE 12	1									

Fig.23. FUEL PIPE & FUEL STRAINER

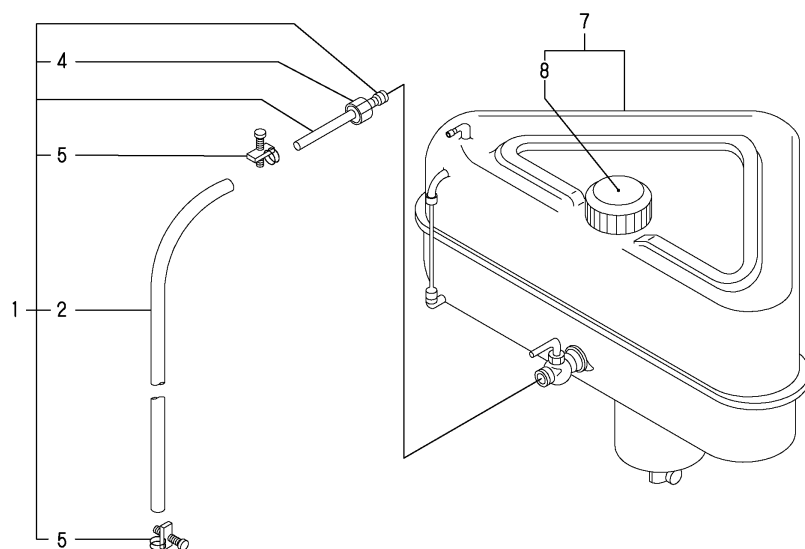
(A)=2YM15
(B)=
(C)=

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



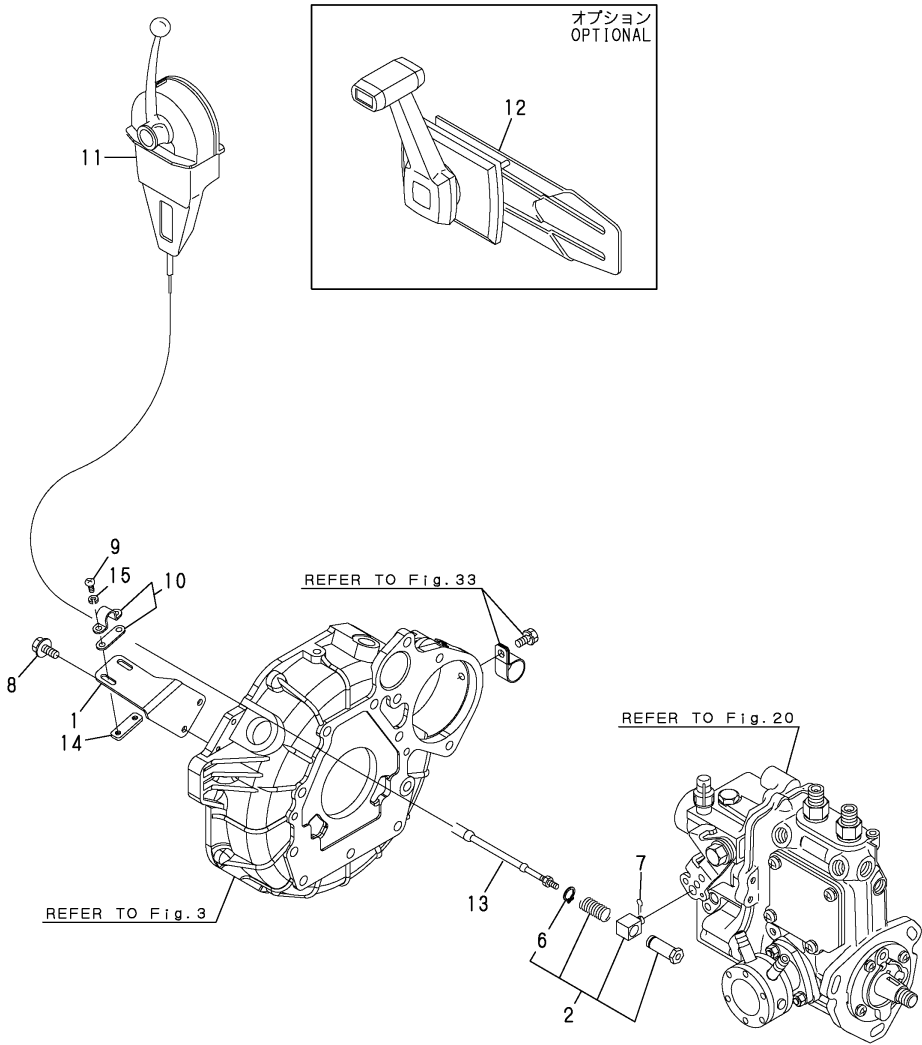
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	128990-55010	BRACKET, FILTER	1							
1-1	1	128990-55011	BRACKET, FILTER	1						N	
		(A=*2004.11)									
2	1	26106-080162	BOLT, M8X 16 PLATED	2							
3	1	121370-55601	STRAINER ASSY, FUEL	1							
4	2	110250-55610	RING, RETAINING	1							
5	2	104500-55710	ELEMENT	1							
7	2	121370-55730	CUP, STRAINER	1							
8	2	101720-55750	PLUG, 6	1							
9	2	23418-060000	GASKET, 6X1.0	1							
10	2	24341-000440	O-RING, 1AS44.0	1							
11	1	128990-59150	BOLT, PIPE JOINT M8	1							
12	1	128990-59530	JOINT	1							
13	1	22190-080002	WASHER, SEAL 6	2							
14	1	26013-060162	BOLT, M6X 16	2							
15	1	104264-59020	JOINT	2							
16	1	128890-59050	PIPE, FUEL	1							
17	1	128890-59060	PIPE, FUEL	1							
18	1	22190-120002	WASHER, SEAL 12	4							
19	1	23857-060000	BOLT, JOINT 6	2							
20	1	23000-016000	CLAMP, 16	4							

Fig.24. FUEL TANK(OPTIONAL)



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128990-59700	PIPE ASSY, FUEL	1							
2	2	128990-59130	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.25. CABLE SUPPORT



OCF10-M62000 Fig.25											
(A)=2YM15 (D)=											
(B)= (E)=											
(C)= (F)=											
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128790-67150	BRACKET, CABLE	1							
2	1	129470-67200	RETAINER ASSY	1							
6	2	22242-000100	RING, 10	1							
7	1	22360-080000	SNAP PIN 8	1							
8	1	26106-060102	BOLT, M6X 10 PLATED	2							
9	1	26557-050202	SCREW, M5X20	2							
10	1	41710-000410	CLAMP	1							
11	1	41730-000681	MT-3 REMO-CON	1							
12	1	128170-86501	REMOCON HEAD (MN	1							
13	1	41710-000380	CABLE L=4000	2							
14	1	121574-86320	RETAINER	1							
15	1	22212-050000	WASHER 5	2							

Fig.26. CLUTCH

(D)=

$$(E)=$$

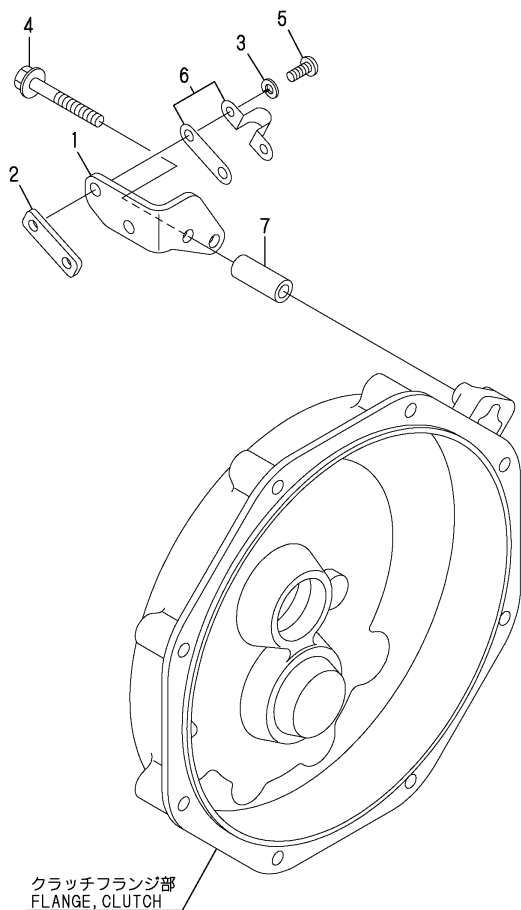
(F)=

[illegible]

Remarks
PARTS LISTED IN THIS FIGURE ARE NOT
ILLUSTRATED.

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

Fig.27. CLUTCH REMOTE CONTROL



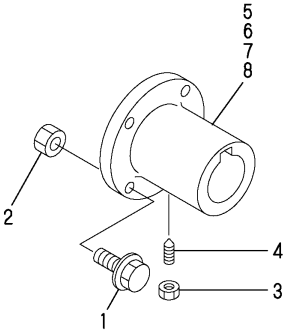
				(A)=2YM15 (B)= (C)=	(D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	128990-86301	BRACKET, CABLE	1							
2	1	121574-86320	RETAINER	1							
3	1	22212-050000	WASHER 5	2							
4	1	26106-060452	BOLT, M6X 45 PLATED	2							
5	1	26557-050202	SCREW, M5X20	2							
6	1	41710-000410	CLAMP	1							
7	1	128990-86350	SPACER	2							

Fig.28. COUPLING(OPTIONAL)

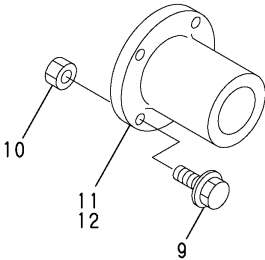
(A)=2YM15
(B)=
(C)=

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

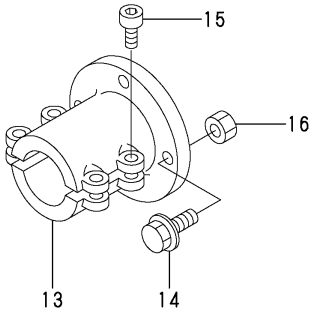
テーパカップリング
TAPER COUPLING



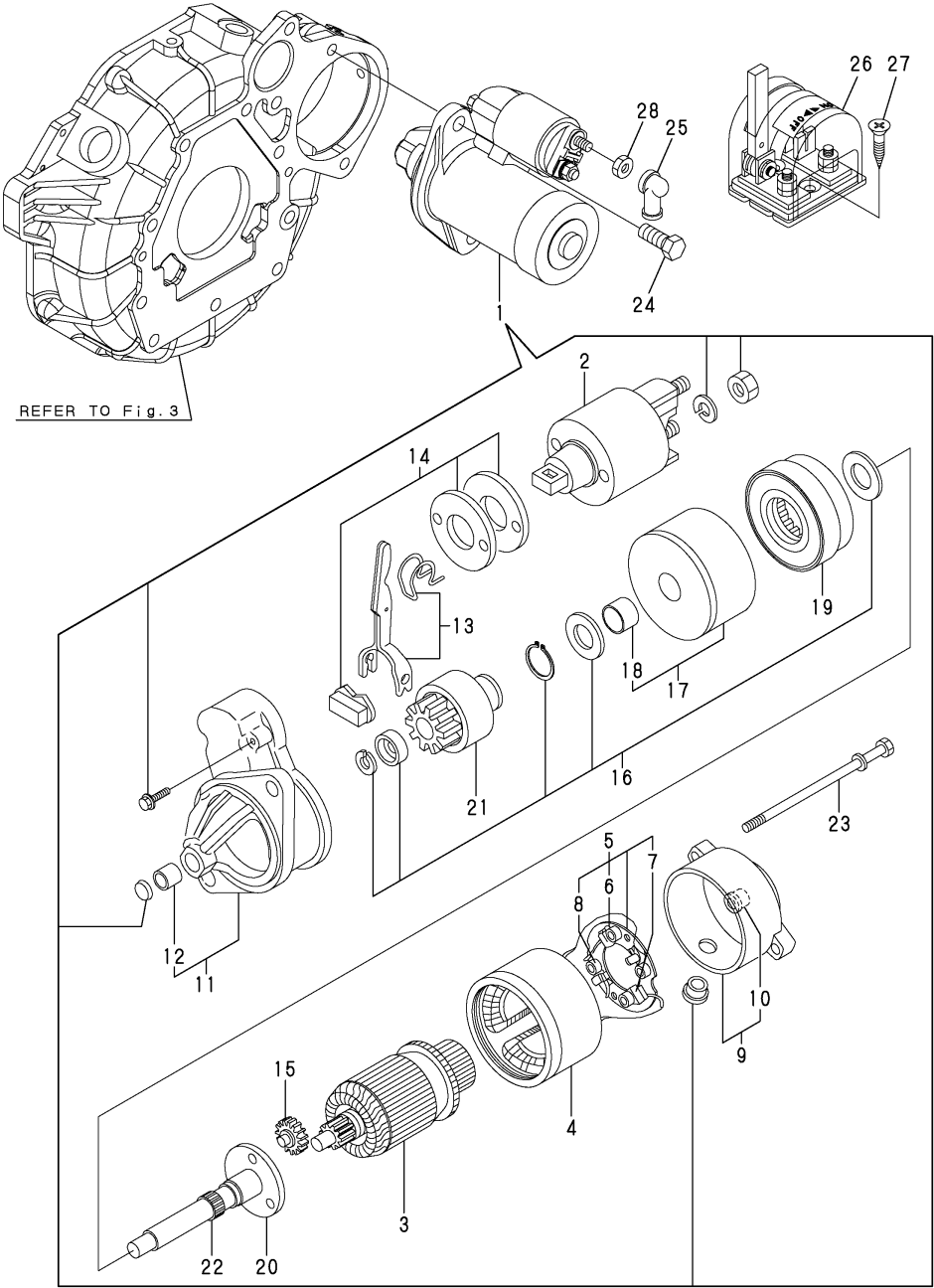
ストレートカップリング
STRAIGHT COUPLING



スリットカップリング
SLIT COUPLING



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	26106-100322	BOLT, M10X 32 PLATED	4							
2	1	26706-100002	NUT, M10	4							
3	1	26756-080002	NUT, LOCK M8	1							
4	1	48110-032411	SCREW	1							
5	1	48110-522361	COUPLING, TAPER 22	1							
6	1	48110-025063	COUPLING, TAPER 25	1							
7	1	48110-028063	COUPLING, TAPER 28	1							
8	1	48110-032502	COUPLING, 30	1							
9	1	26106-100322	BOLT, M10X 32 PLATED	4							
10	1	26706-100002	NUT, M10	4							
11	1	45414-500260	COUPLING, 16MM	1							
12	1	105583-85900	COUPLING, 22	1							
13	1	104214-83980	COUPLING	1							
14	1	26106-100322	BOLT, M10X 32 PLATED	4							
15	1	26450-080282	BOLT, M8X 28	4							
16	1	26706-100002	NUT, M10	4							

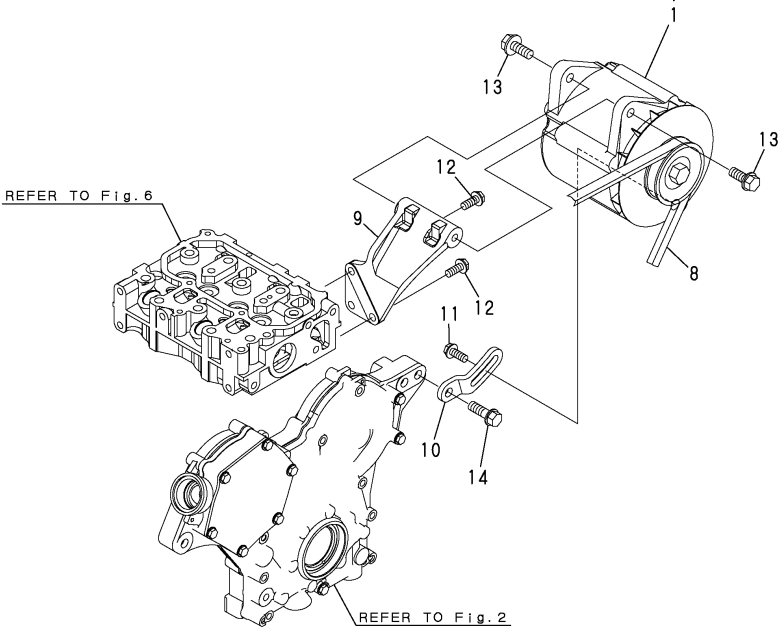
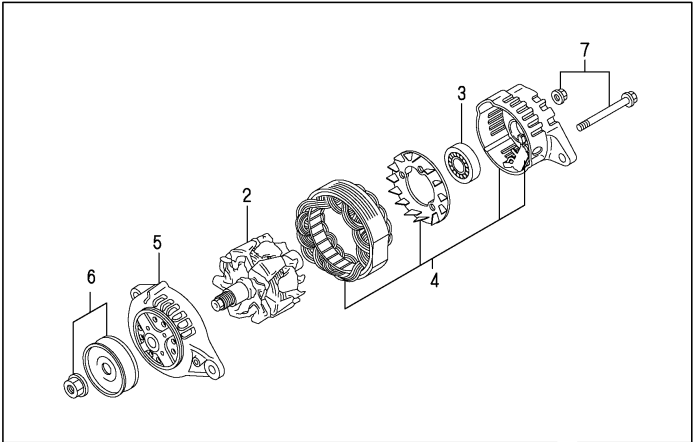


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129608-77010	STARTER, S114-817A	1							
2	2	129698-77020	SWITCH ASSY	1							
3	2	129698-77101	ARMATURE ASSY	1							
4	2	129608-77110	YOKE ASSY	1							
5	2	129698-77120	HOLDER ASSY, BRUSH	1							
6	3	129698-77140	BRUSH 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	124550-77030	COVER, TERMINAL	1							
26	1	123310-77640	SWITCH, BATTERY	1							
27	1	22724-800380	SCREW, 8.0X38	2							
28	1	26756-080002	NUT, LOCK M8	1							

Fig.30. GENERATOR(HITACHI/60A)(UP TO Sep. 2010)

(A)=2YM15
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128271-77200	GENERATOR, 12V-60A	1							Z
		(A=*2010.09)									
2	2	123900-77700	ROTOR ASSY	1							
3	2	129612-77710	BEARING, BALL	1							
4	2	128271-77720	BRACKET(STATOR+REGUL	1							
5	2	123900-77730	BRACKET ASSY	1							
6	2	128271-77740	PULLEY	1							
7	2	128271-77750	SCREW KIT	1							
8	1	129612-42290	V-BELT, A37.5	1							Z
		(A=*2010.09)									
9	1	128890-77310	BRACKET	1							Z
		(A=*2010.09)									
10	1	128990-77330	ADJUSTER	1							Z
		(A=*2010.09)									
11	1	26106-080202	BOLT, M8X 20 PLATED	1							Z
		(A=*2010.09)									
12	1	26106-080252	BOLT, M8X 25 PLATED	3							Z
		(A=*2010.09)									
13	1	26106-100252	BOLT, M10X 25 PLATED	2							Z
		(A=*2010.09)									
14	1	26106-100302	BOLT, M10X 30 PLATED	1							Z
		(A=*2010.09)									

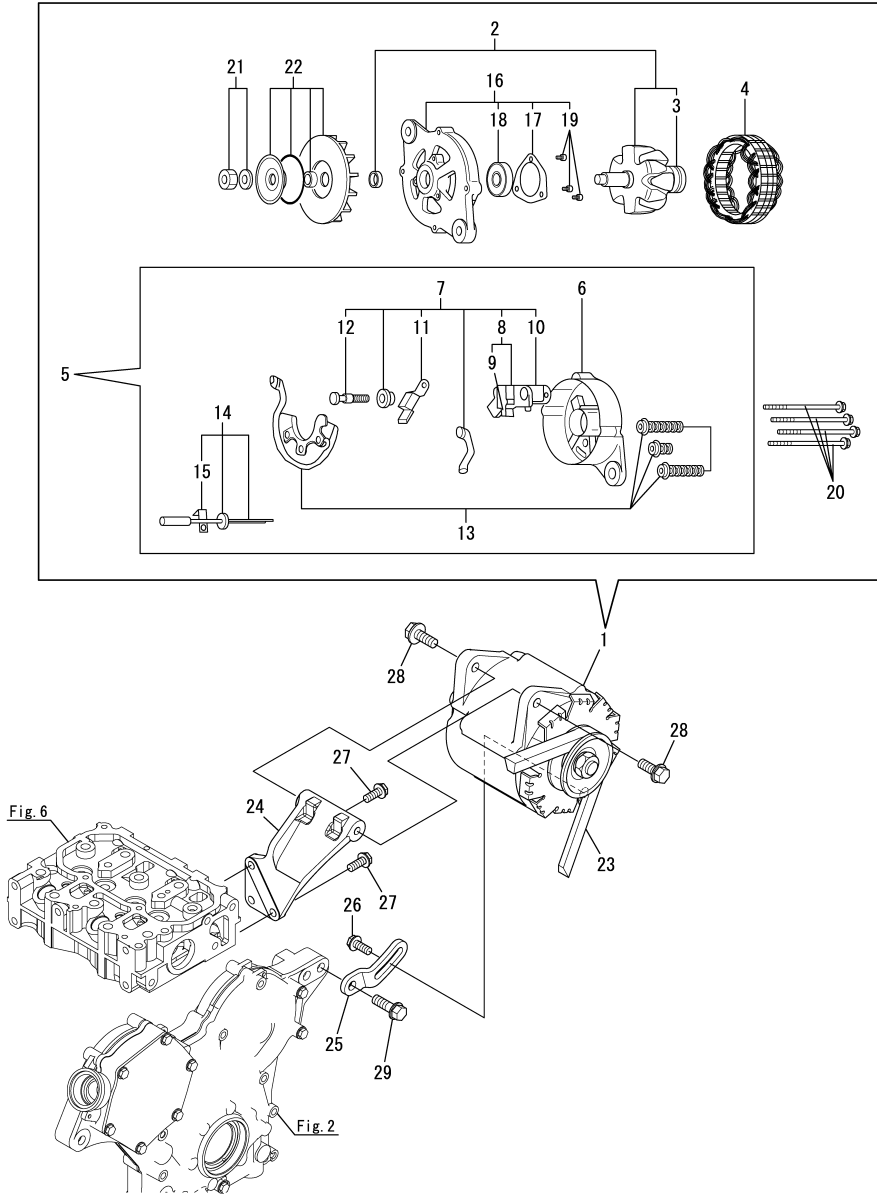
Remarks
* This item was abolished.
* Refer to Fig.39 for the combination of generator, wire harness, and panel.

Fig.31. GENERATOR(HITACHI/80A)(UP TO E05887)

(A)=2YM15
(B)=
(C)=

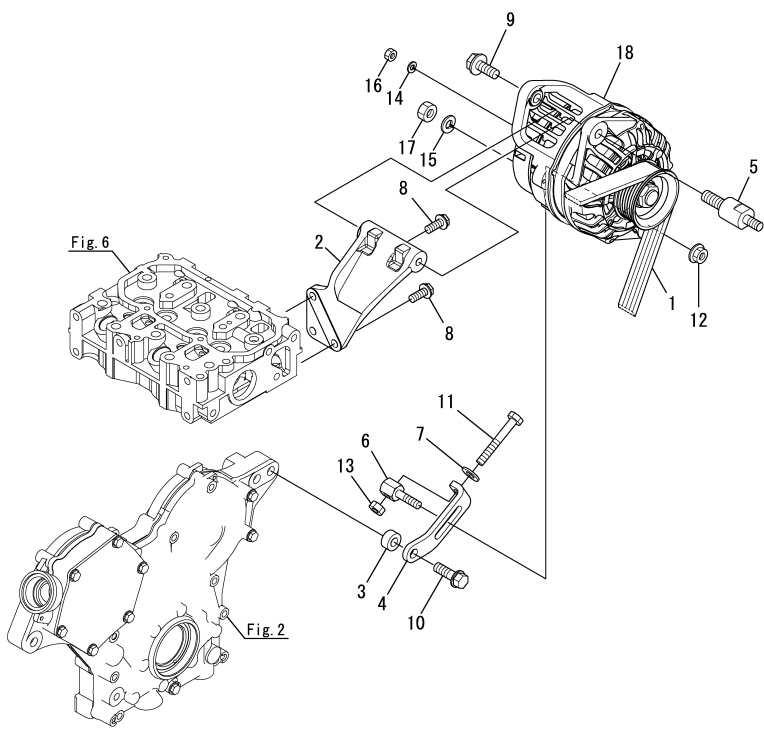
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119573-77201	ALTERNATER(12V-80A	1							
2	2	XL180G61000	ROTOR ASSY	1							
3	3	119129-77320	BALL BEARING	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	3	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	129612-42290	V-BELT, A37.5	1							
24	1	128890-77310	BRACKET	1							
25	1	128990-77330	ADJUSTER	1							
26	1	26106-080202	BOLT, M8X 20 PLATED	1							
27	1	26106-080252	BOLT, M8X 25 PLATED	3							
28	1	26106-100252	BOLT, M10X 25 PLATED	2							
29	1	26106-100302	BOLT, M10X 30 PLATED	1							



Remarks
* This item is applicable to [(A)=E05887] or previous machines(Refer to Fig.37).
* Refer to Fig.39 for the combination of generator, wire harness, and panel.

Fig.37. (31A)GENERATOR(VALEO)(FROM E05888)



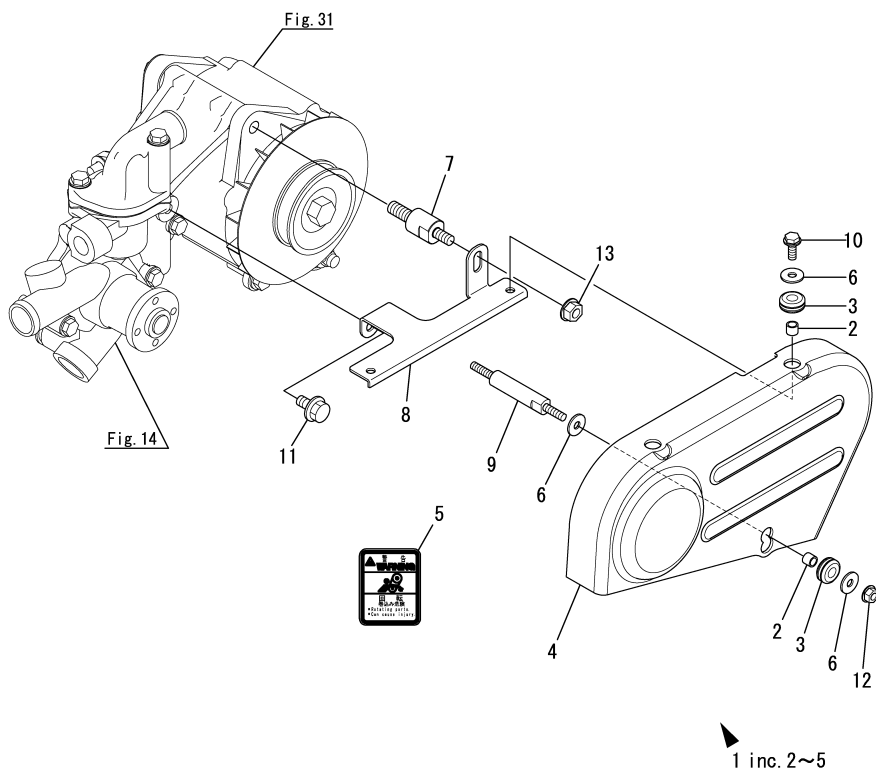
(A)=2YM15
(B)=
(C)=
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128790-77580	BELT,ALTERNATOR 6PK	1							
2	1	128890-77310	BRACKET	1							
3	1	128990-77320	SPACER,ADJUSTER	1							
4	1	128990-77341	ADJUSTER, BELT	1							
5	1	128990-77410	BOLT	1							
6	1	129271-77641	BOLT,ADJUSTER	1							
7	1	22137-080000	WASHER, 8	1							
8	1	26106-080252	BOLT, M8X 25 PLATED	3							
9	1	26106-100302	BOLT, M10X 30 PLATED	1							
10	1	26106-100402	BOLT, M10X 40 PLATED	1							
11	1	26116-080604	BOLT, M8X 60 PLATED	1							
12	1	26366-080002	NUT, M8	1							
13	1	26716-080002	NUT, M8	1							
14	1	22217-050000	WASHER, SPRING 5	2							
15	1	22217-080000	WASHER, SPRING 8	1							
16	1	26716-050002	NUT, M5	2							
17	1	26716-080002	NUT, M8	1							
18	1	128990-77250	ALTERNATOR,12V-120A	1							W

(A=E05888)

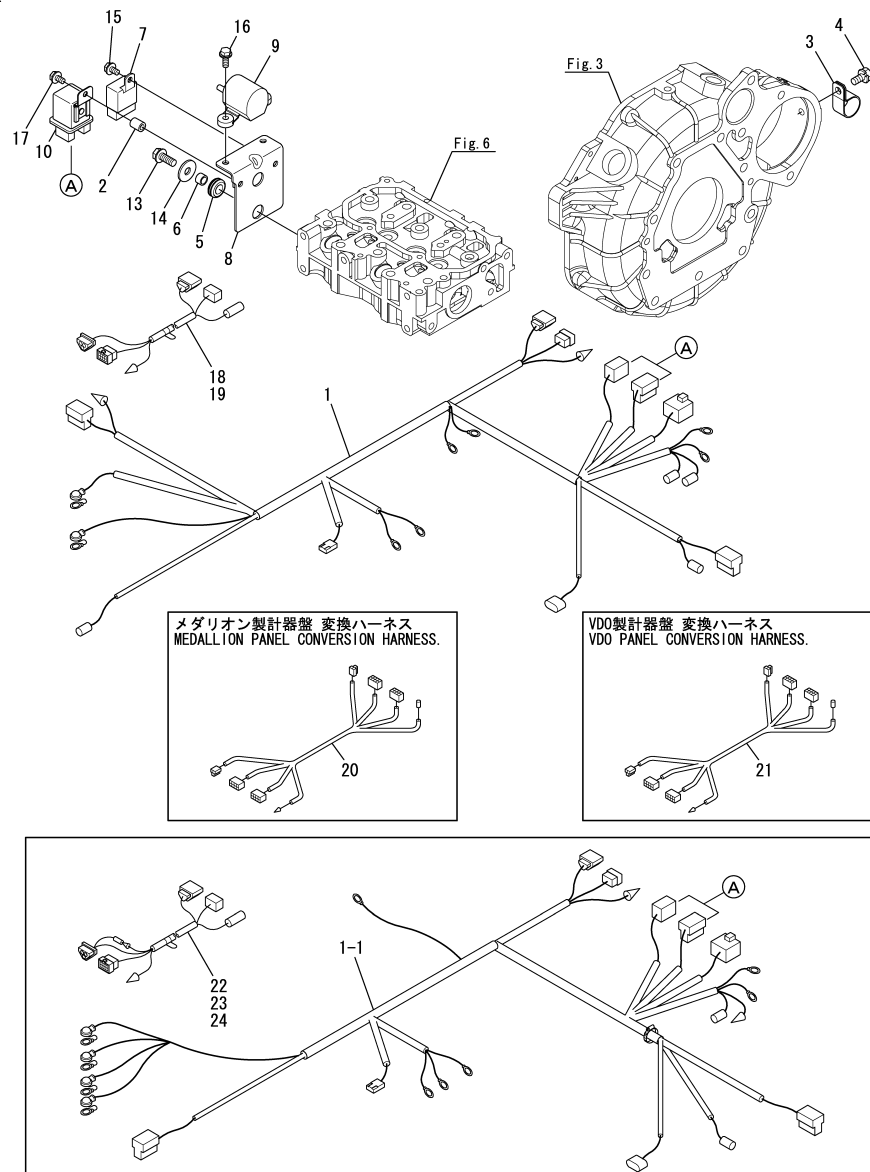
Remarks
* This item is applicable to [(A)=E05888] or following machines(Refer to Fig.31).
* Refer to Fig.39 for the combination of generator, wire harness, and panel.

Fig.32. V-BELT COVER



No.	Lev.	Parts No.	Description	(A)=2YM15 (D)= (B)= (E)= (C)= (F)=					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	128990-77460	COVER,BELT CMP	1					W
		(A=E05887)							
2	2	128990-77440	COLLAR	3					
3	2	120270-67120	GROMMET	3					
3-1	2	128990-77600	GROMMET, M6	3					R
		(A=E05887)							
4	2	128990-77480	COVER	1					
5	2	128377-07350	LABEL, CAUTION	1					W
		(A=E05887)							
6	1	128990-77510	WASHER	4					
7	1	128990-77410	BOLT	1					Z
		(A=E05887)							
8	1	128990-77450	BRACKET	1					
9	1	128990-77470	BOLT	1					
10	1	26106-060162	BOLT, M6X 16 PLATED	2					
11	1	26106-080162	BOLT, M8X 16 PLATED	1					
12	1	26366-060002	NUT, M6	1					
13	1	26366-080002	NUT, M8	1					
14	1	128990-77500	WASHER	2					Z
		(A=E05887)							
15	1	128990-77491	COVER	1					Z
		(A=E05887)							
16	1	26106-080354	BOLT, M8X 35 PLATED	1					Z
		(A=E05887)							
17	1	26986-080002	NUT, LOCK M8	2					Z
		(A=E05887)							
18	1	128990-77540	SPACER	2					Z
		(A=E05887)							

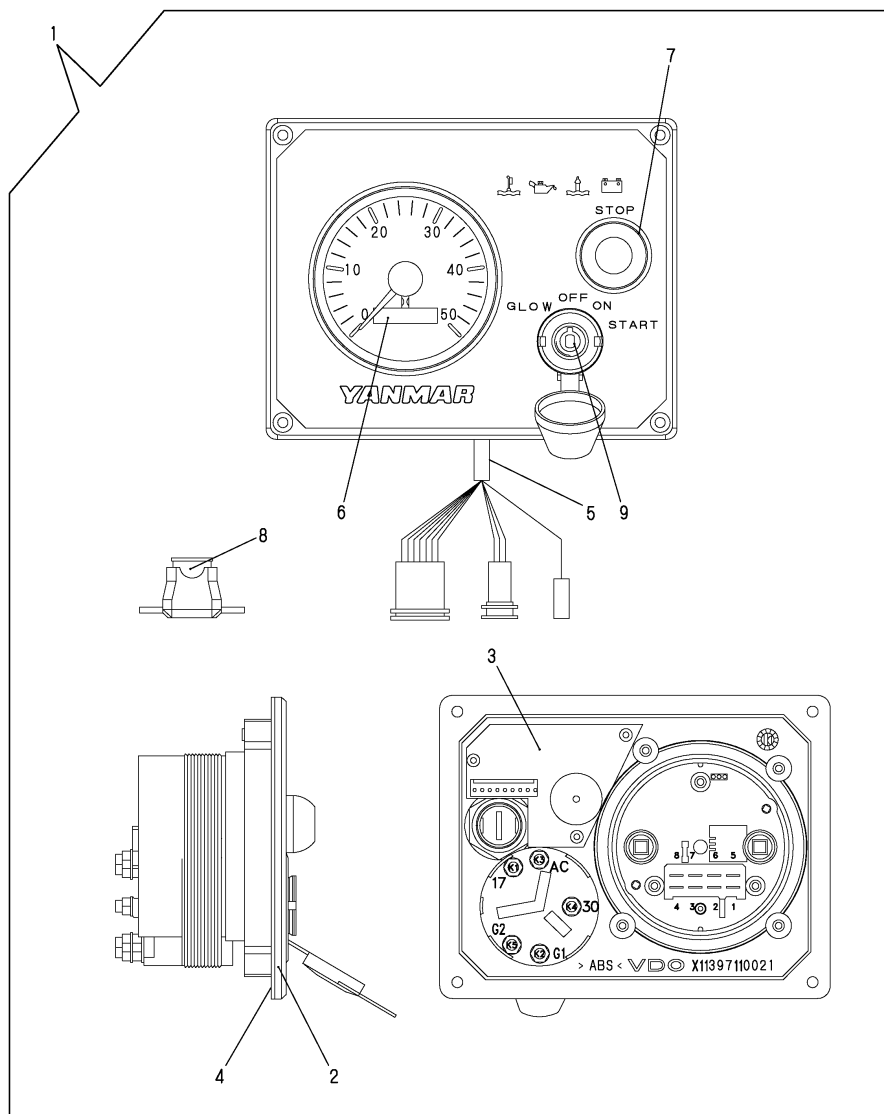
Fig.33. WIRE HARNESS & RELAY



(4) For VDO : VALEO generator specification.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128990-77920	HARNESS, WIRE	1							1
1-1	1	128990-77921	HARNESS, WIRE ENGINE	1							S 2
(A=E05888)											
2	1	128990-42180	COLLAR	1							
3	1	121575-49310	RETAINER, PIPE	1							
4	1	26106-080142	BOLT, M8X 14 PLATED	1							
5	1	105100-55501	ABSORBER	2							
6	1	128990-77430	COLLAR	2							
7	1	119247-77100	RELAY, SAFETY	1							
8	1	128890-77400	BRACKET, RELAY	1							
9	1	120270-77511	RELAY, MAGNETIC	1							
9-1	1	128990-77550	RELAY, MAGNETIC	1							N
(A=*2008.04)											
10	1	128990-77910	RELAY, GROW	1							
13	1	26106-080202	BOLT, M8X 20 PLATED	2							
14	1	22157-080000	WASHER, 8	2							
15	1	26106-060102	BOLT, M6X 10 PLATED	1							
16	1	26106-060162	BOLT, M6X 16 PLATED	2							
17	1	26106-060252	BOLT, M6X 25 PLATED	1							
18	1	128391-77700	HARNESS, WIRE	1							Z
(A=E05887)											
19	1	128391-77720	HARNESS, WIRE	1							Z
(A=E05887)											
20	1	164100-23900	HARNESS, CONV YD	1							W 3
(A=*2011.11)											
20-1	1	164100-23900	HARNESS, CONV YD	1							Z 3
(A=E05887)											
21	1	164100-23910	HARNESS, CONV	1							W 4
(A=E05888)											
22	1	164100-22820	HARNESS, EXT 4M	1							W
(A=E05888)											
23	1	164100-22830	HARNESS, EXT 6M	1							W
(A=E05888)											
24	1	164100-22840	HARNESS, EXT 10M	1							W
(A=E05888)											

Fig.34. INSTRUMENT PANEL(B-TYPE)(OPTIONAL)



No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129271-91110	PANEL, INSTRUMENT B	1					
2	2	129271-91120	PANEL, INSTRUMENT B	1					
3	2	129271-91130	CIRCUIT	1					
4	2	129271-91140	SEAL	1					
5	2	129271-91150	HARNESS, WIRE	1					
6	2	129271-91210	TACHOMETER	1					
7	2	129271-91220	SWITCH, STOP	1					
8	2	129271-91230	FUSE	1					
9	2	127412-91250	SWITCH, KEY	1					

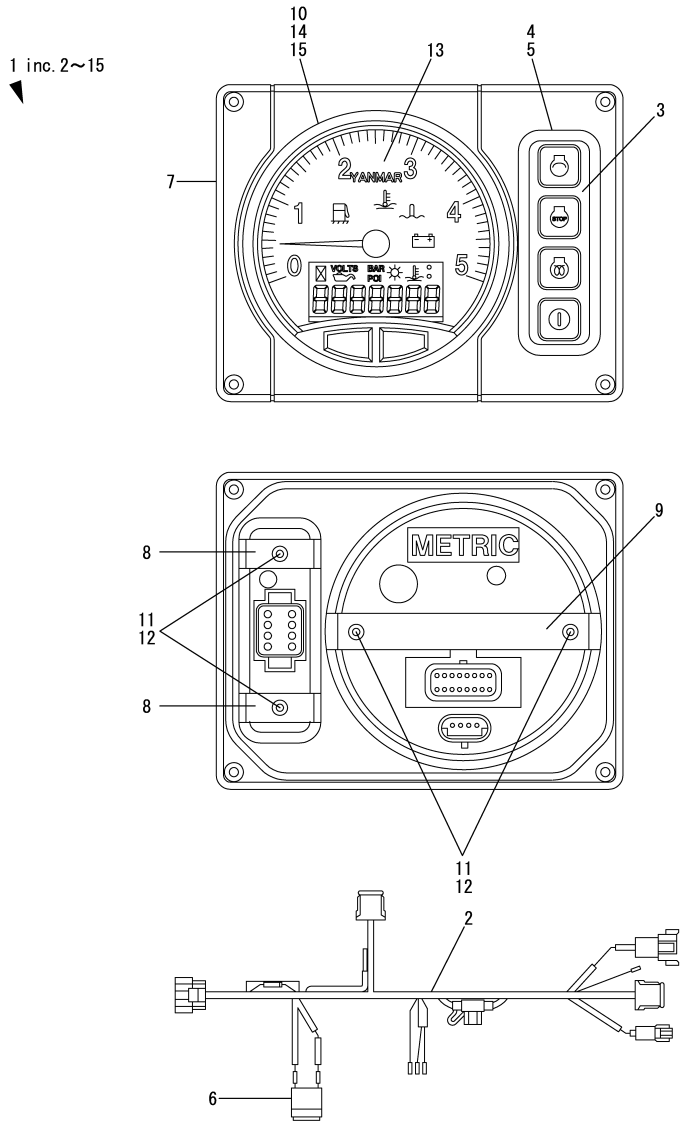
* Refer to Fig.39 for the combination of generator, wire harness, and panel.

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

Fig.38. (34A)INSTRUMENT PANEL(MEDALLION)(FROM Jan. 2012)

(A)=2YM15
(B)=
(C)=

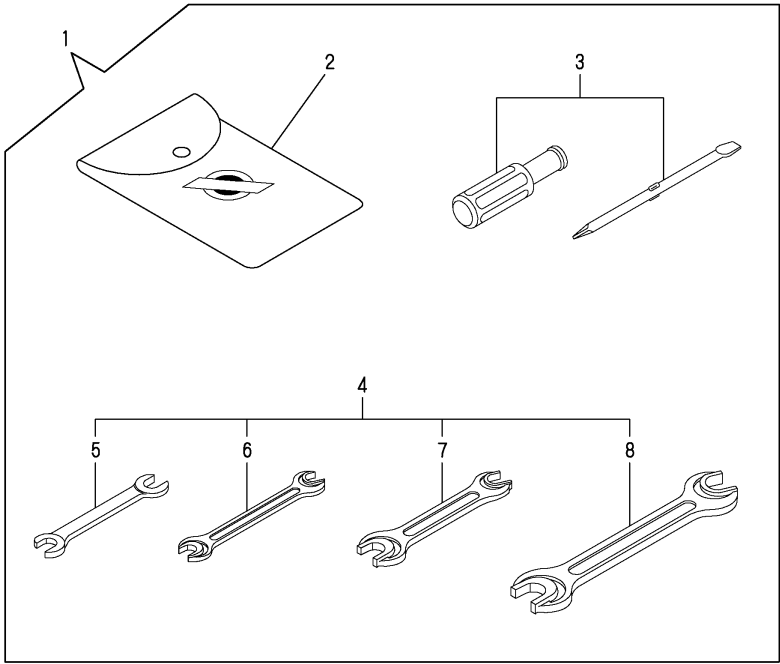
(D)=
(E)=
(F)=



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=*2011.11)											
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=E05888)											
2	2	164100-21100	HARNESS, PANEL	1							
3	2	164100-31100	SWITCH, PANEL	1							
3-1	2	164100-31101	SWITCH, PANEL	1							N
(A=*2012.06)											
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=E05888)											
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=*2012.06)											
13-2	2	164100-53102	GAUGE, TACH LCD 5 MD	1							S 1
(A=E05888)											
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.34).
* Refer to Fig.39 for the combination of generator, wire harness, and panel.
(1)Valeo generator specification.

Fig.35. TOOL



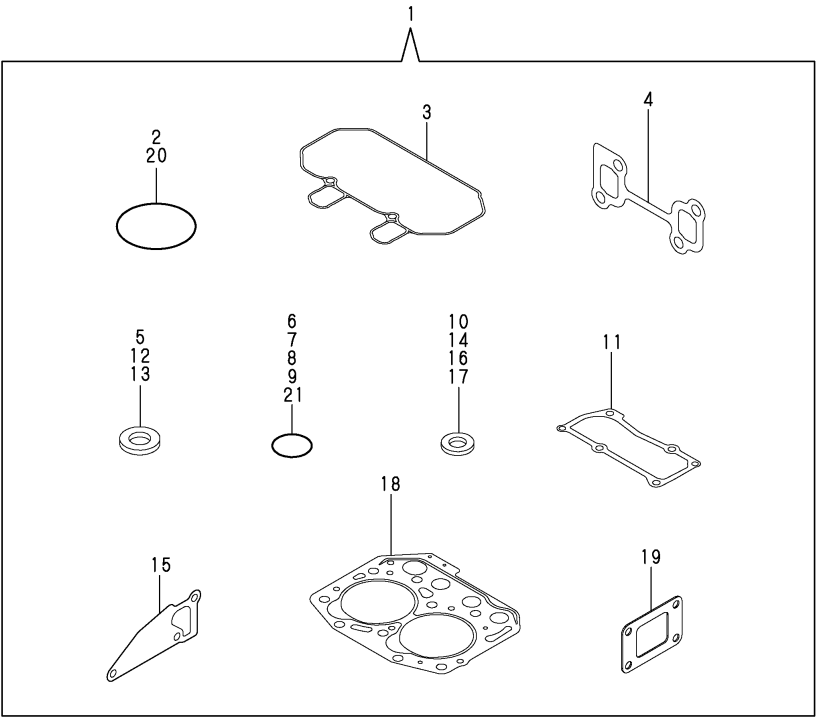
(A)=2YM15
(B)=
(C)=

(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							

Fig.36. GASKET SET(OPTIONAL)

P/C NEWS No. :Y00F6200-2
PUBLISHED : 2004/12



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	728790-92600	GASKET SET	1							
2	2	121850-51960	O-RING	1							
3	2	119415-11310	GASKET, BONNET	1							
4	2	119415-13110	GASKET	1							
5	2	22190-080002	WASHER, SEAL 6	6							
6	2	24311-000320	O-RING, 1AP32.0	2							
7	2	119717-32060	O-RING, P15.0	1							
8	2	119624-32040	O-RING, P12.0	1							
9	2	119717-32050	O-RING, P17.0	3							
10	2	119600-11460	GASKET, NOZZLE	4							
11	2	119415-11330	GASKET	1							
12	2	22190-160002	WASHER, SEAL 16	2							
13	2	22190-120002	WASHER, SEAL 12	8							
14	2	129901-59560	GASKET	2							
15	2	119515-42020	GASKET, WATER PUMP	1							
16	2	23414-080000	GASKET, 8X1.0	1							
17	2	124465-44950	GASKET, 16	2							
18	2	119415-01330	GASKET, HEAD	1							
19	2	128370-13201	GASKET	1							
20	2	24327-000600	O-RING, 4EG60.0	1							
21	2	24357-240230	O-RING, 4E24023	1							

Remarks
THIS FIGURE IS NEWLY ADDED.

Fig.39. COMBINATION OF GENERATOR, WIRE HARNESS, AND PANEL

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128271-77200	GENERATOR, 12V-60A	1							
2	1	119573-77201	ALTERNATER(12V-80A	1							
3	1	128990-77250	ALTERNATOR,12V-120A	1							
10	1	128990-77920	HARNESS, WIRE	1							
11	1	128990-77921	HARNESS, WIRE ENGINE	1							
20	1	128391-77700	HARNESS, WIRE	1							
21	1	128391-77720	HARNESS, WIRE	1							
22	1	164100-22820	HARNESS,EXT 4M	1							
23	1	164100-22830	HARNESS,EXT 6M	1							
30	1	164100-23900	HARNESS,CONV YD	1							
40	1	129271-91113	PANEL, INSTRUMENT B	1							
41	1	129271-91302	PANEL,B KEYLESS	1							
42	1	164100-30101	PANEL ASSY, B20	1							
43	1	164100-30102	PANEL ASSY, B20 MD	1							

		ジェネレータ(オルタネータ) GENERATOR(ALTENATOR)			エンジンハーネス ENGINE WIRE HARNESS		延長ハーネス EXT. WIRE HARNESS			変換ハーネス CONV. WIRE HARNESS		パネル PANEL			
見出番号 Ref. No.		No.1	No.2	No.3	No.10	No.11	No.20	No.21	No.22	No.23	No.30	No.40	No.41	No.42	No.43
部品番号 PARTS NUMBER		128271 -77200	119573 -77201	128990 -77250	128990 -77920	128990 -77921	128391 -77700	128391 -77720	164100 -22820	164100 -22830	164100 -23900	129271 -91113	129271 -91302	164100 -30101	164100 -30102
仕様 SPECIFICATION		12V-60A	12V-80A	12V-120A	—	—	3m	6m	4m	6m	—	B	Bキーレス B KEYLESS	B20	B20
メーカー MAKER		HITACHI	HITACHI	VALEO	—	—	—	—	—	—	—	VDO	VDO	MEDALLION	MEDALLION
コネクタメーカー CONNECTOR'S MAKER		(YAZAKI)	(YAZAKI)	(YAZAKI)	ALTERNATOR: YAZAKI PANEL SIDE: YAZAKI	ALTERNATOR: YAZAKI PANEL SIDE: AMPHENOL	YAZAKI	YAZAKI	AMPHENOL	AMPHENOL	YAZAKI PANEL SIDE: AMPHENOL	YAZAKI	YAZAKI	AMPHENOL	AMPHENOL
生産年 PRODUCTION YEAR	2004	●	○		●		○	○				○			
	2005	●	○		●		○	○				○			
	2006	●	○		●		○	○				○			
	2007	●	○		●		○	○				○	○		
	2008	●	○		●		○	○				○	○		
	2009	●	○		●		○	○				○	○		
	2010	●	○		●		○	○				○	○		
	2011		●		●							○			
	2012		●		●			○	○			○	○		
	2013		●		●			○	○			●			○
2013			●			●			○	○					○
2014			●			●			○	○					○

※1: オルタネータ回転数信号に対するパルス値の設定を変更する必要があります。

※1: It is necessary to change a setup of the pulse value over an alternator number-of-rotations signal.

Parts No. Index

Parts No.	Fig. No.	Ref. No.
101304-59020	22	33
101720-55750	23	8
103854-39140	22	31
104214-13580	8	10
		22
104214-83980	28	13
104264-59020	23	15
104500-55710	23	5
104511-78780	13	25
105010-11490	6	5
105100-55501	33	5
105311-01090	1	5
105430-55041	24	8
105583-85900	28	12
110250-55610	23	4
114250-39450	12	13
118200-53010	22	2
118400-51370	19	48
119129-77250	31	14
119129-77260	31	15
119129-77320	31	3
119129-77890	31	20
119129-77900	31	21
119129-77930	31	19
119247-77100	33	7
119285-01990	1	8
119285-11990	6	14
119285-66650	20	139
119305-35151	12	1
119305-35170	12	1 -1
119305-59120	22	4
119309-01810	11	7
119415-01330	1	30
	36	18
119415-01720	3	5
119415-11200	6	24
119415-11240	6	25
119415-11310	6	48
	36	3
119415-11320	6	49
119415-11330	6	50
	36	11
119415-11380	6	38
119415-11750	6	6
119415-13110	15	1
	36	4
119415-14580	9	3
119415-21700	10	1
119415-39210	12	14
119415-51030	19	5

Parts No.	Fig. No.	Ref. No.
119415-51100	19	9
119415-51400	19	49
119415-51500	19	64
119415-51700	19	74
119415-51710	19	75
119415-51750	19	76
119415-51760	19	77
119415-59540	22	13
119415-59810	22	9
119415-59820	22	10
119515-01200	1	29
119515-11100	6	16
119515-11110	6	17
119515-11280	6	29
119515-11800	6	12
119515-14400	9	2
119515-22080	10	14
119515-22300	10	20
119515-22500	10	16
119515-22550	10	31
119515-22900	10	29
119515-23000	10	22
119515-23600	10	27
119515-23610	10	35
119515-42020	14	13
	36	15
119515-42041	14	3
119515-53001	22	1
119515-53010	22	3
119515-61440	20	20
119527-61700	20	129
119540-42000	14	1
119573-77201	31	1
	39	2
119600-11460	6	4
	36	10
119620-01750	3	11
119620-01800	2	8
119620-02020	1	9
119620-14200	9	1
119620-21941	10	13
119620-49290	14	29
119620-59700	22	24
119621-21680	10	12
119623-01250	1	6
119624-32040	2	19
	36	8
119660-01911	2	18
119660-61300	20	76
119660-61901	20	65

Parts No.	Fig. No.	Ref. No.
119717-01501	2	1
119717-01521	2	6
119717-01570	2	3
119717-01590	2	4
119717-01750	2	31
119717-02410	1	12
119717-02930	1	26
119717-03031	6	39
119717-03070	6	40
		41
119717-11131	6	18
119717-11190	6	20
119717-11260	6	28
119717-11340	6	21
119717-11350	6	22
119717-11650	6	30
119717-23200	10	26
119717-23910	10	25
119717-25050	9	9
119717-25100	9	10
119717-25930	9	15
119717-32050	2	20
	36	9
119717-32060	12	10
	36	7
119717-32080	2	11
119717-32100	2	10
119717-32110	2	15
119717-32120	2	16
119717-42031	14	4
119717-42320	14	11
119717-51060	19	6
119717-51070	19	7
119717-51150	19	92
119717-51180	19	14
119717-51190	19	15
119717-51200	19	16
119717-51300	19	43
119717-51330	19	46
119717-51420	19	51
119717-51480	19	90
119717-51490	19	91
119717-61050	20	2
119717-61060	20	3
119717-61070	20	4
119717-61100	20	5
119717-61120	20	8
119717-61130	20	9
119717-61140	20	10
119717-61150	20	10 A

Parts No.	Fig. No.	Ref. No.
119717-61200	20	72
119717-61400	20	13
119717-61500	20	29
119717-77800	6	57
119740-42350	14	26
119773-59511	22	20
119802-03100	6	42
119802-03110	6	43
119802-03121	6	44
119802-03131	6	45
119802-03141	6	46
119802-32130	2	17
119810-02940	1	31
119813-59950	22	25
119840-59570	22	12
120270-67120	32	3
120270-77511	33	9
121111-21501	10	7
121120-01620	3	10
121370-55601	23	3
121370-55730	23	7
121450-42450	14	23
121574-86320	25	14
	27	2
121575-49310	16	8
	33	3
121850-51960	2	21
	36	2
122710-51090	19	8
123310-77640	29	26
123682-07852	5	4
123900-77700	30	2
123900-77730	30	5
124060-01050	1	4
124070-13300	8	7
		19
124070-13520	8	6
124070-42400	13	7
124080-77390	31	10
124080-77520	31	12
124085-02220	3	12
124101-49530	14	17
124160-01751	2	29
	6	37
124160-01910	1	7
124195-77770	29	23
124223-49050	16	11
124465-44950	14	21
		22
		32

Parts No. Index

Parts No.	Fig. No.	Ref. No.
124465-44950	14	38
	36	17
124550-51350	19	47
124550-77030	29	25
124950-21600	10	10
127412-91250	34	9
128170-13600	8	3
128170-86501	25	12
128171-81510	26	2
128171-81520	26	1
128171-81530	26	3
128270-12540	7	5
128271-77200	30	1
	39	1
128271-77720	30	4
128271-77740	30	6
128271-77750	30	7
128275-39710	12	19
128296-07190	5	6
128296-07400	5	7
128296-07420	5	8
128296-07450	5	9
128296-07460	5	10
128370-13201	8	1
		5
		16
	36	19
128370-13610	8	11
128377-07150	5	1
128377-07350	5	3
	32	5
128377-08120	4	3
128377-08130	4	4
128377-08340	4	7
128377-08350	4	8
		9
128391-77700	33	18
	39	20
128391-77720	33	19
	39	21
128397-13530	8	2
128397-44500	15	21
128397-44510	15	23
128790-01700	3	2
128790-07560	5	11
128790-08120	4	1
128790-08130	4	2
128790-12210	7	1
128790-12500	7	2
128790-21590	10	8

Parts No.	Fig. No.	Ref. No.
128790-35080	12	11
128790-35450	12	2
128790-35460	12	6
128790-44400	15	19
128790-44900	15	2
128790-49050	16	4
128790-67150	25	1
128790-77580	37	1
128790-77820	6	58
128890-13530	8	2 -1
128890-55020	14	36
		36 -1
		45
128890-59040	22	22
128890-59050	23	16
128890-59060	23	17
128890-77310	30	9
	31	24
	37	2
128890-77400	33	8
128990-01650	3	9
128990-07270	5	2
128990-07910	6	1
128990-13510	8	17
128990-13520	8	18
128990-13610	8	23
128990-21650	10	11
128990-21670	10	39
128990-34850	11	1
128990-34860	11	2
128990-42151	13	5
128990-42160	13	23
128990-42170	13	24
128990-42180	33	2
128990-42200	13	22
128990-42260	14	25
128990-42350	14	47
128990-42500	13	1
128990-42510	13	1 -1
128990-42520	13	12
128990-44070	15	10
128990-44080	15	11
128990-44090	15	14
128990-44100	15	15
128990-44110	15	16
128990-44120	15	17
128990-49010	16	1
128990-49020	16	3
128990-49021	16	3 -1
128990-49030	3	18

Parts No.	Fig. No.	Ref. No.
128990-49040	8	12
128990-49060	16	6
128990-49090	8	24
128990-49110	16	2
		5
128990-49150	16	7
128990-49161	16	17
128990-49170	16	18
128990-49320	14	33
		39
128990-49330	14	34
128990-49350	14	40
128990-49360	14	41
128990-49370	14	42
128990-49380	14	43
128990-49390	14	44
128990-49800	14	18
128990-55010	23	1
128990-55011	23	1 -1
128990-59130	24	2
128990-59150	23	11
128990-59530	23	12
128990-59700	24	1
128990-61560	20	96
128990-77250	37	18
	39	3
128990-77320	37	3
128990-77330	30	10
	31	25
128990-77341	37	4
128990-77410	32	7
	37	5
128990-77430	33	6
128990-77440	32	2
128990-77450	32	8
128990-77460	32	1
128990-77470	32	9
128990-77480	32	4
128990-77491	32	15
128990-77500	32	14
128990-77510	32	6
128990-77540	32	18
128990-77550	33	9 -1
128990-77600	32	3 -1
128990-77910	33	10
128990-77920	33	1
	39	10
128990-77921	33	1 -1
	39	11
128990-81150	3	19

Parts No.	Fig. No.	Ref. No.
128990-86301	27	1
128990-86350	27	7
129001-32320	2	13
129001-32330	2	14
129005-59830	12	15
129052-61390	20	12
129100-01580	3	8
	10	2
129100-35140	12	3
129100-51570	19	70
129100-61650	20	59
129150-11230	6	31
129150-11750	6	33
129150-25301	9	14
129150-59131	22	7
129155-51020	19	4
129155-51140	19	12
129155-51280	19	41
		42
	20	6
129155-51450	19	59
129155-51521	19	65
129155-51530	19	66
129155-51540	19	67
129155-51550	19	68
129155-51580	19	72
129155-51591	19	73
129155-51600	19	20
129155-52051	21	2
129155-61341	20	77
129155-61450	20	21
129155-61460	20	78
129155-61480	20	23
129156-51910	19	79
129156-61460	20	22
129158-52000	19	97
	21	1
129158-52101	21	3
129209-61370	20	11
129209-61930	20	130
129209-61940	20	134
129209-61960	20	136
129209-61970	20	131
129270-44500	15	22
129270-92100	35	1
129270-92600	35	2
129270-92610	35	5
129270-92620	35	6
129270-92630	35	7
129270-92640	35	8

Parts No. Index

Parts No.	Fig. No.	Ref. No.
129270-92650	35	3
129270-92690	35	4
129271-77641	37	6
129271-77950	20	132
129271-91110	34	1
129271-91113	39	40
129271-91120	34	2
129271-91130	34	3
129271-91140	34	4
129271-91150	34	5
129271-91210	34	6
129271-91220	34	7
129271-91230	34	8
129271-91302	39	41
129470-67200	25	2
129486-61540	20	49
129508-11180	6	19
129608-77010	29	1
129608-77110	29	4
129612-42290	30	8
	31	23
129612-77710	30	3
129670-44570	15	24
129670-49500	16	10 -1
129673-44110	15	7
129673-44130	15	18
129673-44150	15	9
129698-77020	29	2
129698-77101	29	3
129698-77120	29	5
129698-77130	29	7
129698-77140	29	6
129698-77150	29	8
129698-77161	29	9
129698-77170	29	10
129698-77180	29	17
129698-77190	29	18
129698-77200	29	19
129698-77210	29	20
129698-77220	29	21
129698-77230	29	22
129698-77240	29	15
129698-77250	29	16
129698-77260	29	11
129698-77270	29	13
129698-77280	29	14
129900-32130	2	12
129901-11450	6	3
129901-53800	22	3 A
129901-59560	22	19

Parts No.	Fig. No.	Ref. No.
129901-59560	36	14
129916-49740	14	12
138603-59380	24	4
158552-61700	20	60
158552-61710	20	64
158552-61900	20	81 -1
158600-51170	19	13
158600-51270	19	40
158600-51410	19	50
158600-51420	19	52
158600-51441	19	53
158600-51570	19	71
158600-51790	19	78
158601-61760	20	88
164100-21100	38	2
164100-22820	33	22
	39	22
164100-22830	33	23
	39	23
164100-22840	33	24
164100-23900	33	20
		20 -1
	39	30
164100-23910	33	21
164100-30100	38	1
164100-30101	38	1 -1
	39	42
164100-30102	38	1 -2
	39	43
164100-31100	38	3
164100-31101	38	3 -1
164100-31150	38	4
164100-31900	38	5
164100-36100	38	6
164100-39100	38	7
164100-39120	38	8
164100-39130	38	9
164100-39131	38	9 -1
164100-39150	38	10
164100-39180	38	11
164100-39190	38	12
164100-53100	38	13
164100-53101	38	13 -1
164100-53102	38	13 -2
164100-53150	38	14
164100-53900	38	15
174307-51700	20	30
177070-03501	10	37
194250-51660	16	9
196630-12980	5	5

Parts No.	Fig. No.	Ref. No.
22137-080000	37	7
22157-080000	33	14
22190-080002	12	16
		18
	23	13
	36	5
22190-100002	20	66
22190-120002	20	79
	22	11
		32
	23	18
	36	13
22190-160002	11	4
	19	80
	36	12
22212-050000	25	15
	27	3
22217-050000	37	14
22217-060000	14	27
	19	81
22217-080000	37	15
22217-120000	19	93
22242-000100	25	6
22242-000120	6	34
22252-000220	10	21
22272-000030	20	67
22351-050010	19	82
22351-060012	6	23
22360-080000	25	7
22372-040000	20	80
22512-040120	10	4
22724-800380	16	12
	29	27
22857-500100	6	51
		52
22857-500160	6	53
23000-016000	22	21
		23
	23	20
23000-025000	8	13
		25
	16	13
23000-028000	16	16
23000-041000	16	10
23000-060000	7	6
23010-013000	15	25
23010-014000	24	5
23080-018000	12	20
23414-080000	14	14
	36	16

Parts No.	Fig. No.	Ref. No.
23414-120016	20	133
23418-060000	23	9
23854-100000	14	35
23857-030000	12	17
23857-060000	23	19
23857-100000	11	5
23876-005000	6	15
23876-010000	12	5
23876-030000	2	9
23887-100002	20	68
23887-180002	3	17
24101-060034	19	83
24101-063034	19	84
24311-000150	20	137
24311-000320	2	30
	6	54
	36	6
24316-000150	19	85
24327-000600	12	7
	36	20
24341-000070	20	69
24341-000280	20	81
24341-000440	23	10
24357-240230	12	8
	36	21
26013-060162	23	14
26013-080142	10	38
26013-100302	4	5
26022-050122	19	86
26022-060162	19	87
26106-050102	19	88
26106-060102	12	12
	20	70
		82
	25	8
	33	15
26106-060122	2	22
	9	8
	14	48
26106-060142	20	83
26106-060162	2	23
	32	10
	33	16
26106-060202	6	55
	20	84
26106-060252	3	13
	14	28 -1
		28 -2
	33	17
26106-060282	3	14

Parts No. Index

Parts No.	Fig. No.	Ref. No.
26106-060282	14	28
26106-060302	13	27
26106-060352	9	13
26106-060402	2	24
		25
26106-060452	3	15
	20	85
	27	4
26106-060602	2	26
	3	16
26106-060652	2	27
26106-060752	6	56
26106-080122	7	7
	14	15
26106-080142	6	2
	33	4
26106-080162	10	40
	23	2
	32	11
26106-080202	13	28
	30	11
	31	26
	33	13
26106-080252	14	19
		37
		37 -1
		46
	30	12
	31	27
	37	8
26106-080354	32	16
26106-080402	6	36
26106-080422	26	4
26106-080452	3	20
26106-080502	14	16
26106-080652	14	20
26106-081152	15	20
26106-100252	4	6
	30	13
	31	28
26106-100302	12	9
	30	14
	31	29
	37	9
26106-100322	28	1
		9
		14
26106-100402	37	10
26116-060652	16	19
26116-080604	37	11

Parts No.	Fig. No.	Ref. No.
26116-120302	29	24
26203-080302	8	26
26203-080402	8	14
26203-080602	8	15
26203-080802	8	27
26206-100252	3	7
26216-080452	3	21
	26	5
26306-080002	2	28
26366-060002	32	12
26366-080002	3	22
	13	26
		29
	20	71
	26	6
	32	13
	37	12
26366-100002	11	6
26450-080282	28	15
26557-050202	25	9
	27	5
26577-060122	14	9
26703-080002	8	4
26706-100002	28	2
		10
		16
26716-050002	37	16
26716-060002	19	89
26716-080002	37	13
		17
26716-120002	19	94
26736-120002	20	86
26756-060002	20	87
26756-080002	28	3
	29	28
26979-050162	6	35
26986-080002	32	17
27233-250000	8	9
		21
27241-120000	1	13
27241-250000	14	10
28210-000080	12	21
29622-250001	16	9 -1
		9 -2
41710-000380	25	13
41710-000410	25	10
	27	6
41730-000681	25	11
43662-015020	16	14
43666-020951	16	15

Parts No.	Fig. No.	Ref. No.
45414-500260	28	11
46150-503100	14	24
48110-025063	28	6
48110-028063	28	7
48110-032411	28	4
48110-032502	28	8
48110-522361	28	5
719415-01560	1	1
719717-01500	2	5
719717-02900	1	14
719717-02910	1	34
728790-51350	19	1
728790-92600	36	1
83213-003012	24	7
977780-01200	18	1
977780-01210	17	1
977780-01230	17	2
	18	2
977780-01240	18	3
977780-01250	17	3
977780-03000	17	9
	18	9
X00141916	13	11
X00183200	13	14
X00190050	13	13
X00353309	13	10
X00370012	13	20
X00371732	13	21
X0044021509	17	7
	18	7
X0142398	13	3
X0145050	13	4
X0146541	13	6
X0146542	13	8
X014678901	13	9
X02173432	13	15
X02173476	13	16
X02233010	13	19
X03431748	13	18
X03431760	13	17
X179100011X	18	5
X179100021X	17	5
X179100100X	17	6
	18	6
X199903800X	17	8
	18	8
X2114535200	29	12
X6303BM0000	31	18
X8636008003	17	4
	18	4

Parts No.	Fig. No.	Ref. No.
XL150M14041	31	17
XL155G1330	31	8
XL180120000	31	4
XL1808320	31	13
XL180G13012	31	6
XL180G43150	31	7
XL180G61000	31	2
XL180G63006	31	5
XL180G85001	31	22
XL225431800	31	11
XL225G1325	31	9
XL235340110	31	16