



PARTS CATALOG

Introduction

1. This parts catalog is a first edition of the 3JH4E Diesel engine.

	Parts catalog No.	Date of issue	Remarks
First edition	000Y00R5610	July., 2003	

2. This parts catalog does not covers the reduction reverser and outdrive.
Please refer to the separate parts catalog, (NO. 000Y00F5970 KM35P KM35A or 000Y00F5761 SD40), 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	3JH4E				
Type	4-stroke, vertical, water-cooled, diesel engine				
No. of cylinder - Bore(mm) x Stroke(mm)	3 - 88 x 90				
Continuous rating kW/min ⁻¹	26.7/2907				
Combustion system	Direct injection				
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	KM35P		KM35A		SD40
Reduction ratio (F/R)	2.36/3.16	2.61/3.16	2.33/3.04	2.64/3.04	—

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

MODEL : 3JH4E
PC NO : 0CR10-G56100

Fig.No. GROUP NAME

3JH4E

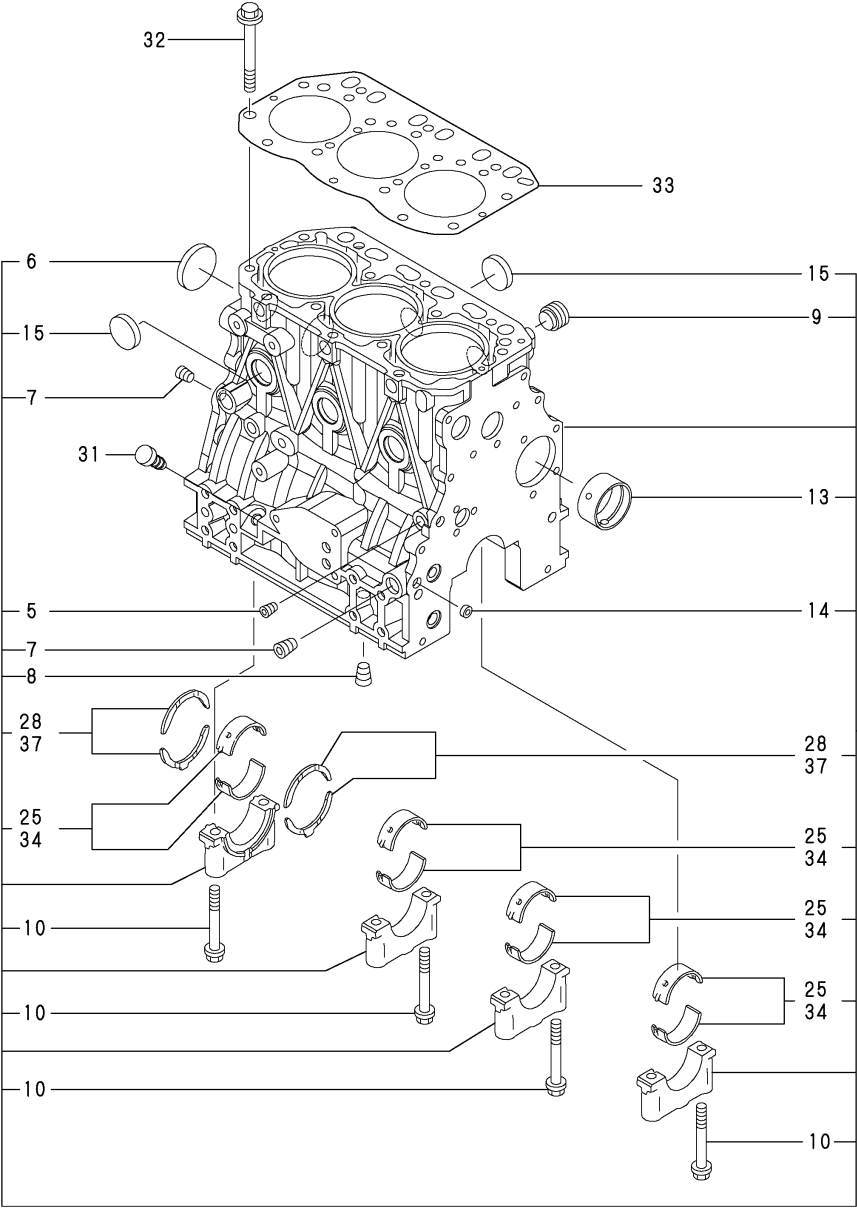
1. CYLINDER BLOCK
2. GEAR HOUSING
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4. MOUNTING FOOT
5. LUB.OIL SUMP
6. LABEL
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8. BONNET
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14. LUB.OIL SYSTEM
15. LUB.OIL PIPE
16. COOLING SEA WATER PUMP
17. C.S.W.PUMP(OPTIONAL)
18. COOLING FRESH WATER PUMP
19. COOLING FRESH WATER COOLER
20. COOLING SEA WATER PIPE
21. COOLING FRESH WATER PIPE
22. COOLING SEA WATE STRAINER(OPTIONAL)
23. BILGE PUMP(STD/OPTIONAL)
24. BILGE PUMP(DX/OPTIONAL)
25. FUEL INJECTION PUMP
26. GOVERNOR
27. FUEL FEED PUMP
28. FUEL INJECTION VALVE
29. FUEL INJECTION PIPE

Fig.No. GROUP NAME

30. FUEL PIPE & FUEL STRAINER
31. FUEL TANK(OPTIONAL)
32. CABLE SUPPORT
33. CLUTCH
34. COUPLING(OPTIONAL)
35. STARTING MOTOR
36. GENERATOR
37. GENERATOR(80A/OPTIONAL)
38. V-BELT COVER & GENERATOR ATTACHMENT PART(OPTIONAL)
39. WIRE HARNESS & SENSOR
40. INSTRUMENT PANEL(B-TYPE/OPTIONAL)
41. INSTRUMENT PANEL(C-TYPE/OPTIONAL)
42. TOOL
43. GASKET SET(OPTIONAL)
44. GENERATOR(140A) & GENERATOR ATTACHMENT PART(OPTIONAL)

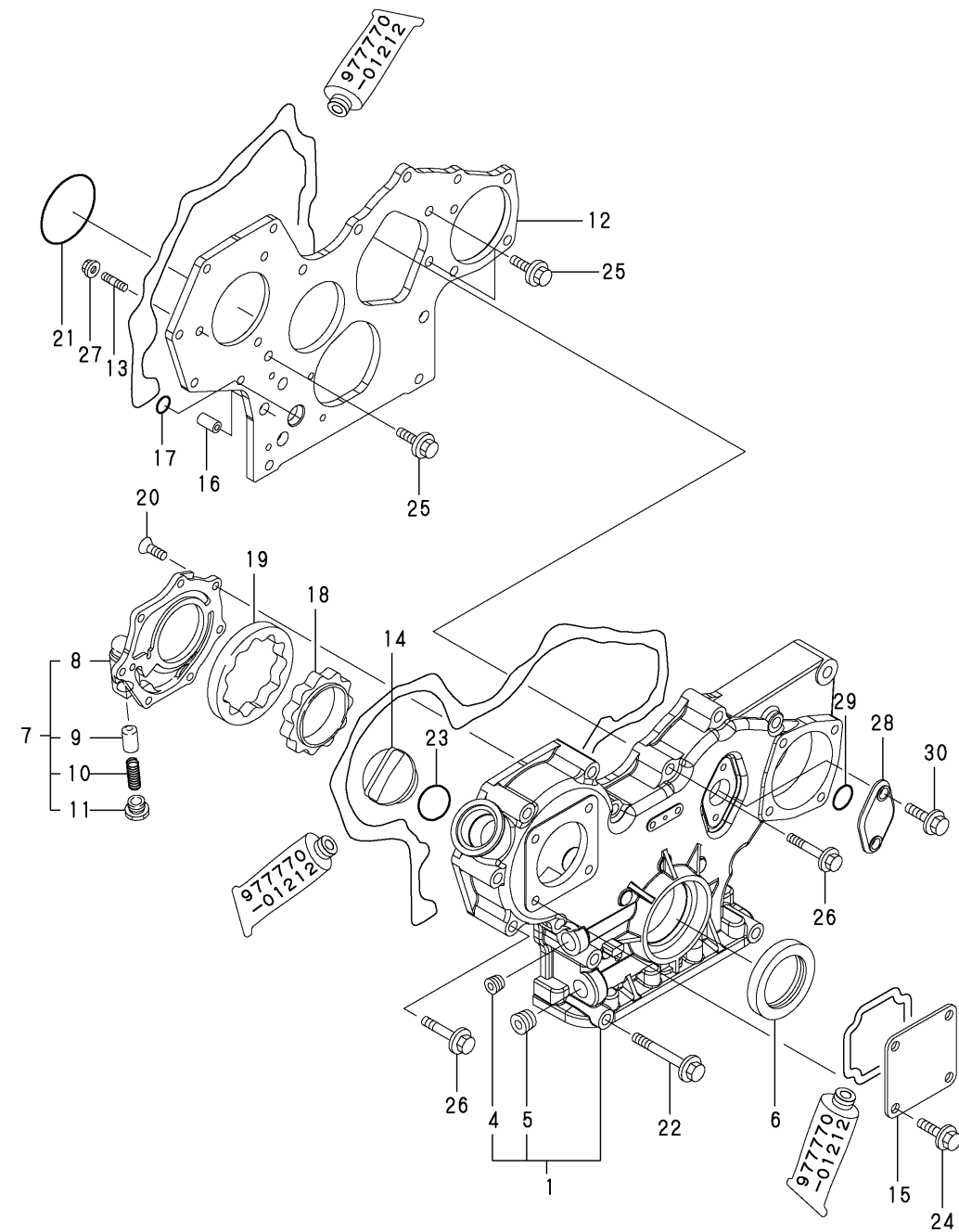
Fig.1. CYLINDER BLOCK

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729005-01560	BLOCK ASSY, CYLINDER	1							
5	2	124060-01050	PLUG PT1/8	1							
6	2	129001-01250	PLUG 50	1							
7	2	124160-01910	PLUG PT1/4	2							
8	2	124160-01910	PLUG PT1/4	1							
9	2	171051-01921	PLUG	1							
10	2	129150-02020	BOLT, METAL CAP	8							
13	2	129795-02411	BUSH, CAMSHAFT	1							
14	2	27241-120000	PLUG 12	2							
15	2	27241-300000	PLUG 30	6							
25	2	129001-02930	MAIN BEARING SET	4							3
28	2	129150-02930	METAL, THRUST	2							
31	1	124976-34850	CAP	1							
32	1	129150-01200	STUD, CYL. HEAD	14							
33	1	129001-01340	GASKET, (NON-ASB.)	1							
34	1	129150-02870	MAIN METAL US=0.25	4							1
37	1	129150-02940	METAL, THRUST.25(4PIE	1							2



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

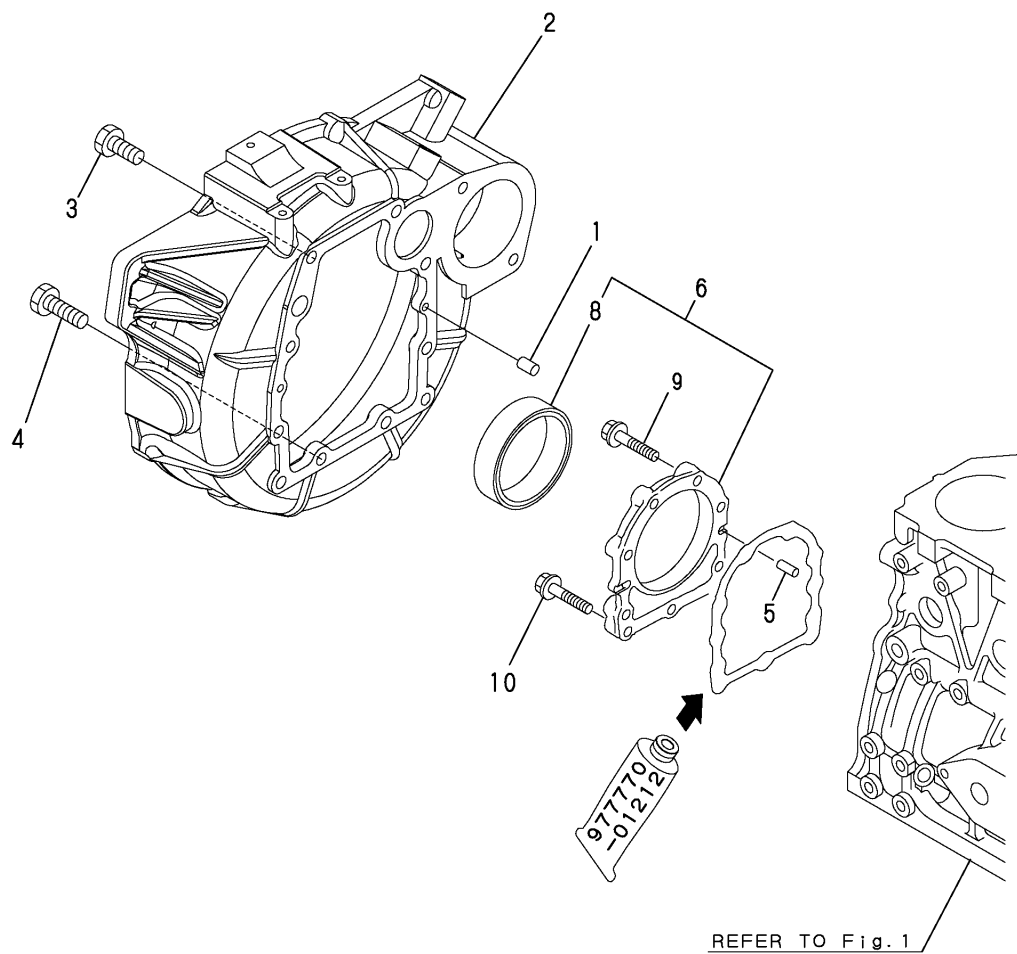
Fig.2. GEAR HOUSING



OCR10-G56100 2. GEAR HOUSING

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-01500	COVER,GEARS HOUSING	1							
4	2	23876-030000	PLUG PT3/8,SCREW	1							
5	2	23876-040000	PLUG PT 1/2	1							
6	1	129795-01800	SEAL, OIL	1							
7	1	119802-32100	COVER ASSY, PUMP	1							
8	2	119802-32070	COVER, LUB.OIL PUMP	1							
9	2	129900-32130	VALVE, RELIEF	1							
10	2	129418-32320	SPRING	1							
11	2	129001-32330	PLUG	1							
12	1	129004-01520	FRANGE, GEAR CASE	1							
13	1	119802-01560	STUD, M8X25	3							
14	1	124160-01751	COVER,FILLER	1							
15	1	124240-01871	COVER, HO-P	1							
16	1	129795-01950	PIPE, KNOCK L=18	2							
17	1	119609-32040	O-RING P16	4							
18	1	129508-32111	ROTOR, INNER	1							
19	1	129508-32120	ROTOR, OUTER	1							
20	1	119802-32130	SCREW, M6X16	7							
21	1	121850-51960	O-RING, F.I.PUMP	1							
22	1	129001-91841	BOLT M 8X 85 PLATED	3							
23	1	24311-000320	O-RING 1A P-32.0	1							
24	1	26106-080162	BOLT M 8X 16 PLATED	4							
25	1	26106-080162	BOLT M 8X 16 PLATED	3							
26	1	26106-080552	BOLT M 8X 55 PLATED	11							
27	1	26306-080002	NUT	3							
28	1	121023-01550	COVER, BLIND	1							
29	1	24341-000240	O-RING 1A S-24.0	1							
30	1	26106-060162	BOLT M 6X 16 PLATED	2							

Fig.3. FLYWHEEL HOUSING



OCR10-G56100 3. FLYWHEEL HOUSING

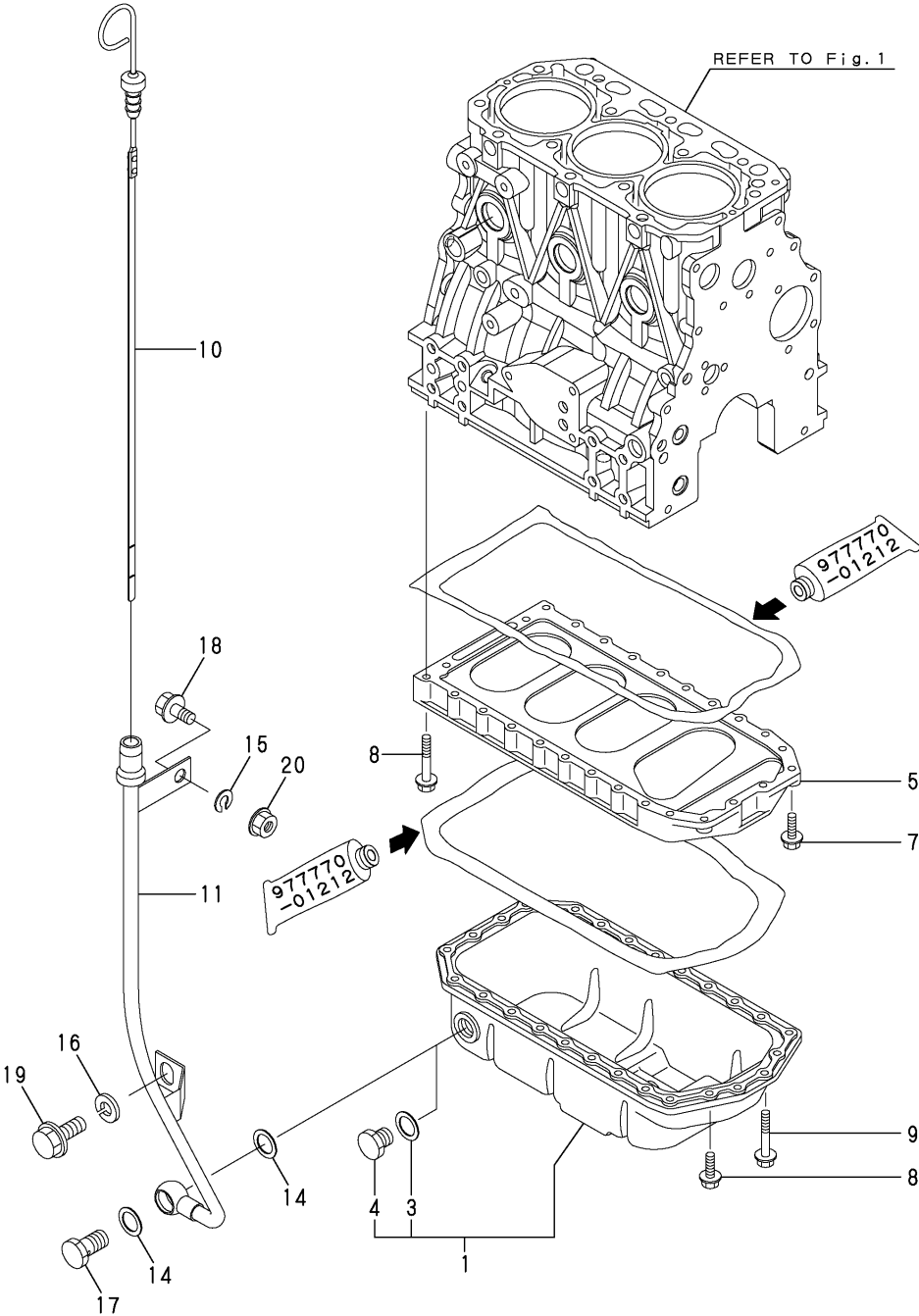
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PARALLEL PIN 8X16	2							
2	1	129670-01600	FLYWHEEL HOUSING	1							
3	1	26206-100252	BOLT M10X25	6							
4	1	26206-100302	BOLT M10X30	4							
5	1	129100-01580	PARALLEL PIN 8X16	2							
6	1	129100-01640	CASE ASSY, OIL SEAL	1							
8	2	129795-01780	SEAL, OIL	1							
9	1	129486-01670	BOLT M8X30,COLLAR HD	6							
10	1	26106-080352	BOLT M 8X 35 PLATED	3							

0CR10-G56100 4. MOUNTING FOOT



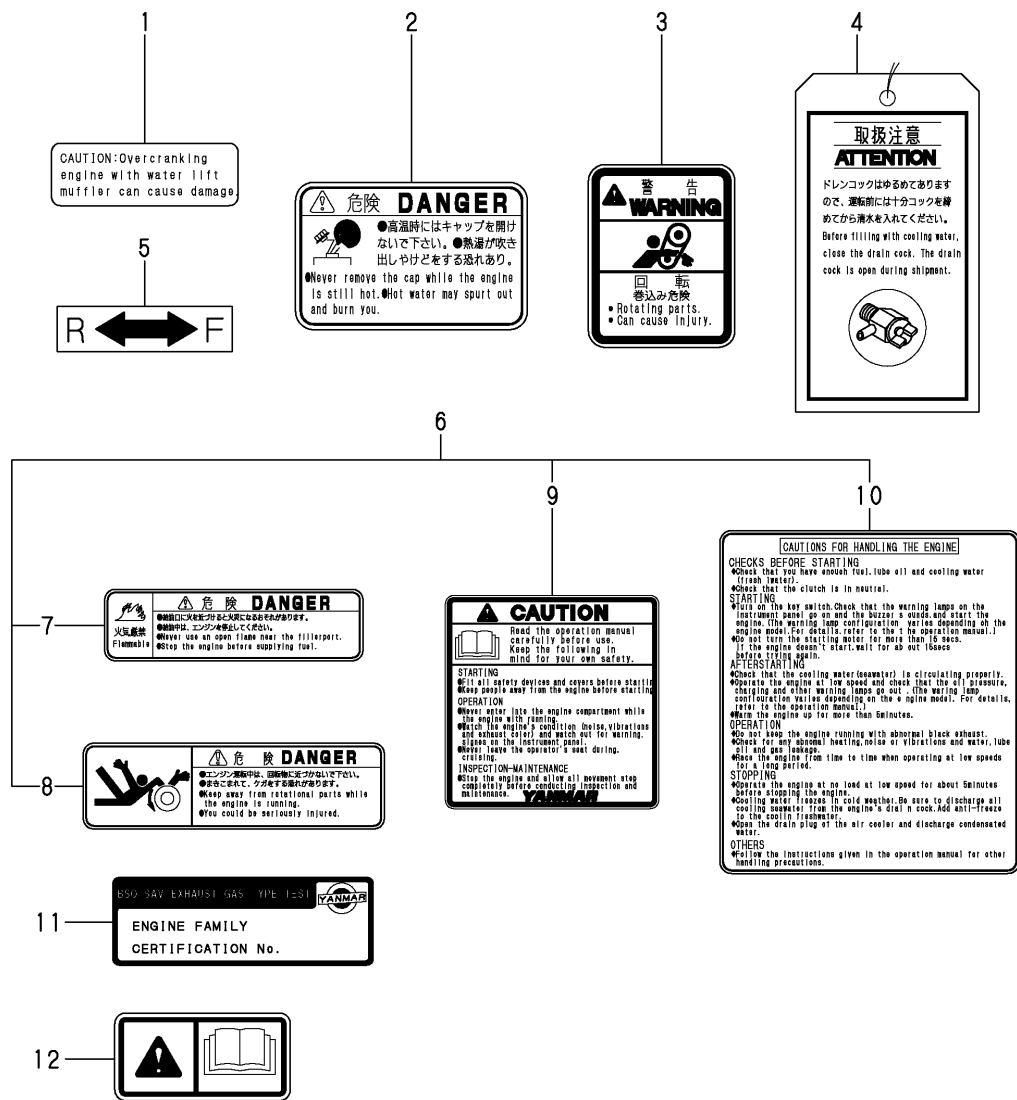
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Fig.5. LUB.OIL SUMP



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-01700	SUMP ASSY, LUB.OIL	1							
3	2	23414-140000	GASKET 14, ROUND	1							
4	2	23887-140002	PLUG M14	1							
5	1	129100-01730	SPACER, OIL SUMP	1							
7	1	26106-080252	BOLT M 8X 25 PLATED	2							
8	1	26106-080452	BOLT M 8X 45 PLATED	20							
9	1	26106-080162	BOLT M 8X 16 PLATED	4							
10	1	129670-34800	DIPSTICK,LUB.OIL	1							
11	1	129271-34880	GUIDE ASSY, DIPSTICK	1							
14	1	22190-140002	SEAL WASHER 14S	2							
15	1	22217-080000	SPRING WASHER 8	1							
16	1	22217-100000	SPRING WASHER 10	1							
17	1	23851-080000	JOIT BOLT 8	1							
18	1	26106-080162	BOLT M 8X 16 PLATED	1							
19	1	26106-100122	BOLT M10X 12 PLATED	1							
20	1	26306-080002	NUT	1							

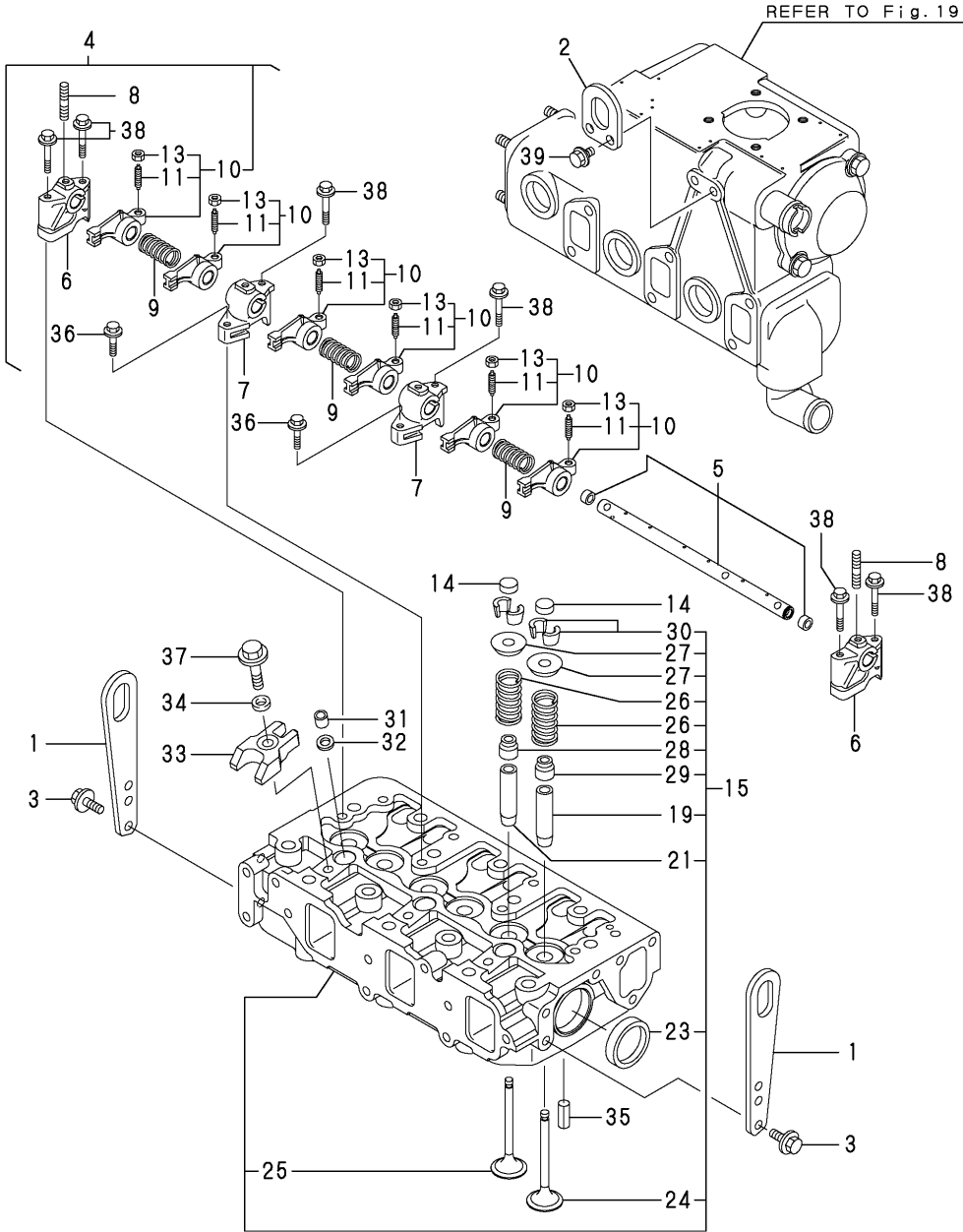
OCR10-G56100
Fig.6. LABEL



OCR10-G56100 6. LABEL

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128377-07150	CAUTION LABEL	1							
2	1	128377-07260	LABEL,DANGER	1							
3	1	128377-07350	LABEL,WARNING	1							
4	1	123682-07852	LABEL, CW. TANK	1							
5	1	177088-02430	LABEL	1							
6	1	128377-07190	LABEL,LOOSE PARTS	1							
7	2	128377-07400	LABEL,DANGER	2							
8	2	128377-07420	LABEL,DANGER	1							
9	2	128377-07450	LABEL,CAUTION	1							
10	2	128377-07460	LABEL,CAUTION	1							
11	1	129271-07560	LABEL, BSO2	1							
12	1	196630-12980	LABEL	1							

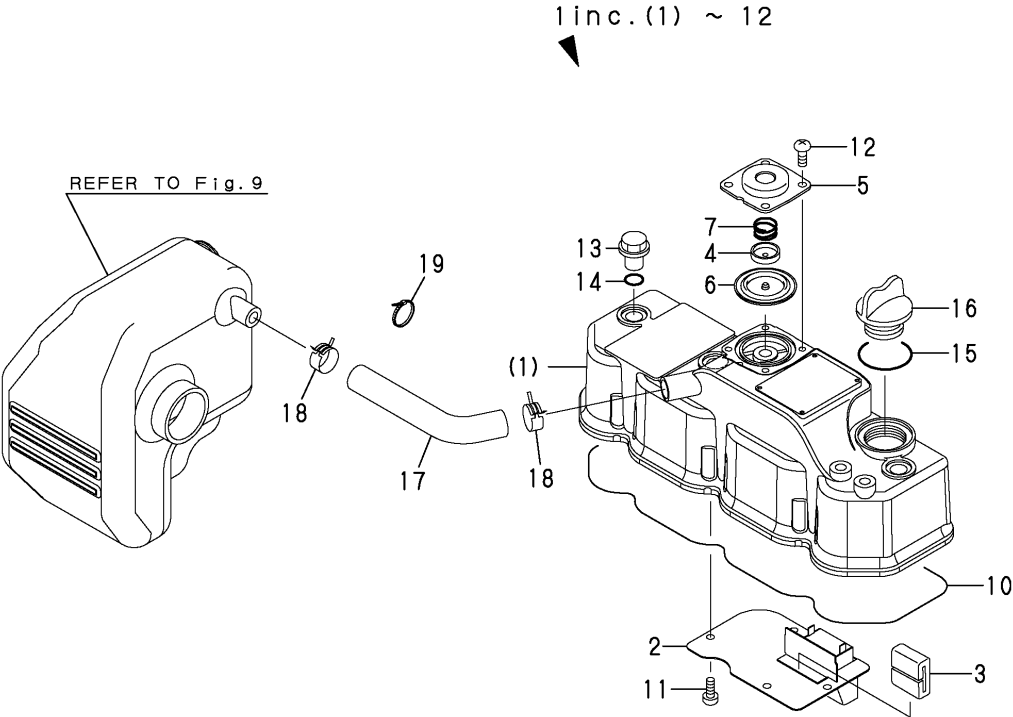
Fig.7. CYLINDER HEAD



Remarks
(1)REPAIR PART.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129900-07900	LIFTER, ENGINE	2							
2	1	129470-07230	LIFTER, ENGINE	1							
3	1	26106-080142	BOLT 8X 14 PLATED	4							
4	1	129004-11241	SHAFT ASSY, ROCKER	1							
5	2	129004-11251	SHAFT, ROCKER ARM	1							
6	2	119802-11260	SUPPORT, ROCKER ARM	2							
7	2	119802-11270	SUPPORT, ROCKER ARM	2							
8	2	119802-11280	STUD	3							
9	2	129150-11280	SPRING	3							
10	2	129004-11650	ARM ASSY, ROCKER	6							
11	3	129150-11230	SCREW, VALVE	6							
13	3	129150-11750	NUT M8XP1.0	6							
14	1	129150-11370	CAP, VALVE	6							
15	1	129271-11700	HEAD ASSY, CYLINDER	1							
19	2	120130-11860	GUIDE, VALVE	3							1
21	2	129150-11810	GUIDE, VALVE	3							1
23	2	27241-400000	PLUG 40	2							
24	2	129004-11100	VALVE, INTAKE	3							
25	2	129100-11110	VALVE, EXHAUST	3							
26	2	129795-11120	SPRING, VALVE	6							
27	2	129795-11180	RETAINER, SPRING	6							
28	2	121400-11340	SEAL, VALVE STEM	3							
29	2	124460-11340	SEAL, VALVE STEM	3							
30	2	27310-080000	COTTER 8	6							
31	1	119802-11870	PROTECTOR, NOZZLE	3							
32	1	119625-11880	SEAT, NOZZLE	3							
33	1	129004-11900	RETAINER, NOZZLE	3							
34	1	120270-54410	WASHER	3							
35	1	22351-060012	SPRING PIN 6X12	2							
36	1	26106-080252	BOLT M 8X 25 PLATED	2							
37	1	26106-080352	BOLT M 8X 35 PLATED	3							
38	1	26106-080502	BOLT M 8X 50 PLATED	6							
39	1	26106-080162	BOLT M 8X 16 PLATED	2							

OCR10-G56100
Fig.8. BONNET

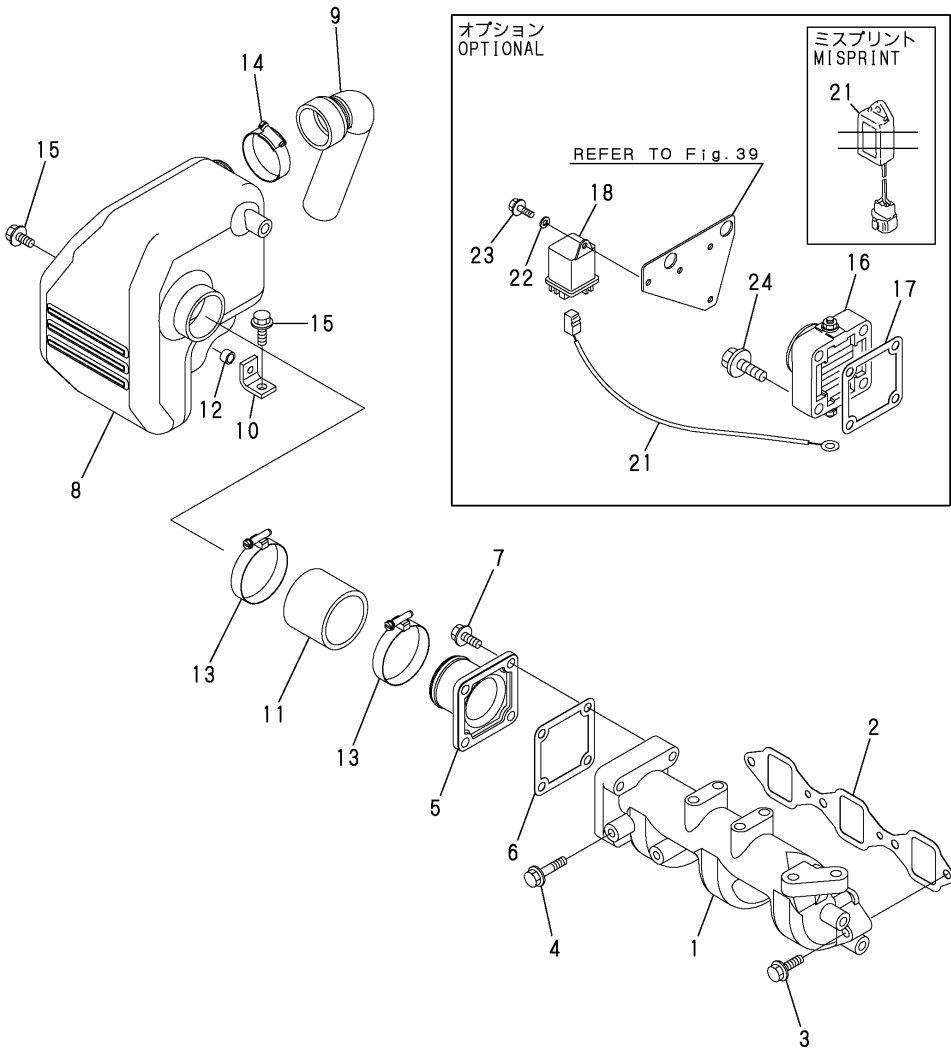


OCR10-G56100 8. BONNET

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-11350	BONNET ASSY, HEAD	1							
2	2	129004-03010	PLATE, BAFFLE	1							
3	2	129150-03070	BAFFLE, BREATHER	1							
4	2	119802-03110	PLATE, DIAPHRAGM	1							
5	2	119802-03120	COVER, DIAPHRAGM	1							
6	2	119802-03130	DIAPHRAGM	1							
7	2	119802-03140	SPRING, DIAPHRAGM	1							
10	2	129004-11310	GASKET, BONNET	1							
11	2	22857-500100	SCREW 5X10,TAPPING	4							
12	2	22857-500100	SCREW 5X10,TAPPING	4							
13	1	124160-11360	KNOB	3							
14	1	24311-000120	O-RING 1A P 12.0	3							
15	1	24311-000320	O-RING 1A P-32.0	1							
16	1	124160-01751	COVER,FILLER	1							
17	1	129271-03090	PIPE, BREATHER	1							
18	1	129410-03990	CLAMP 22	2							
19	1	121750-59890	CLAMP 140	1							

Fig.9. SUCTION MANIFOLD

P/C NEWS No:Y00R5610-1
PUBLISHED:2003/9

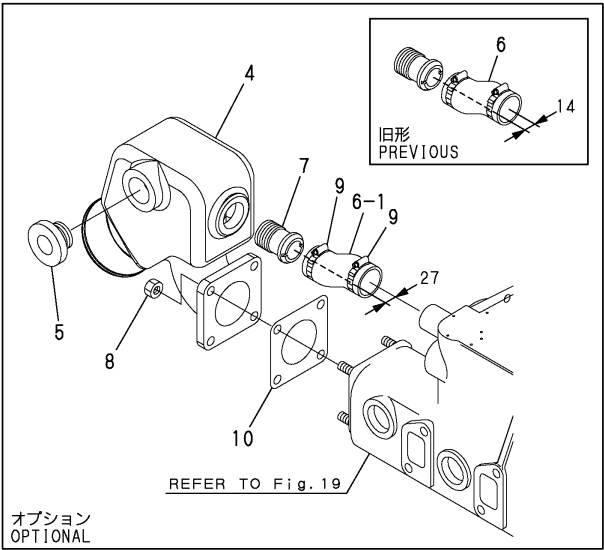
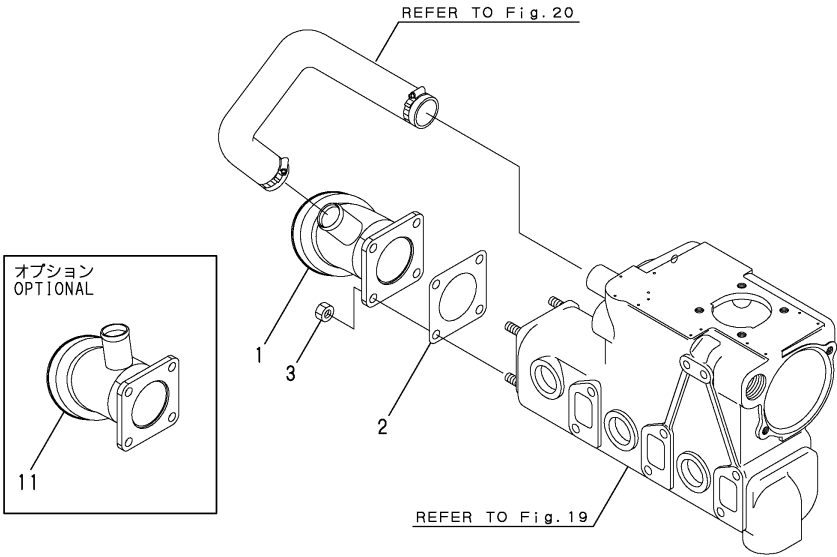


OCR10-G56100 9. SUCTION MANIFOLD

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129170-12100	MANIFOLD	1							
2	1	129150-12111	GASKET, (NON-ASB.)	1							
3	1	26106-080252	BOLT M 8X 25 PLATED	3							
4	1	26106-080352	BOLT M 8X 35 PLATED	1							
5	1	129486-12581	JOINT	1							
6	1	129150-77511	GASKET, (NON-ASB.)	1							
7	1	26106-080202	BOLT M 8X 20 PLATED	4							
8	1	129271-12310	SILENCER,SUC AIR	1							
9	1	129271-12350	PIPE,INTAKE SILENCER	1							
10	1	129271-12410	BRACKET,SILENCER	1							
11	1	129271-12810	PIPE,SUC AIR	1							
12	1	105100-55540	COLLAR, FUEL TANK	1							
13	1	23000-060000	CLAMP 60	2							
14	1	23001-048000	CLIP 48,HOSE	1							
15	1	26106-080162	BOLT M 8X 16 PLATED	2							
16	1	129120-77501	HEATER, AIR	1							
17	1	129100-77510	GASKET, AIR HEATER	1							
18	1	128990-77910	RELAY ASSY, GLOW	1							
21	1	129271-77920	HARNES,WIRE(HEATER	1							
22	1	22217-060000	SPRING WASHER 6	1							
23	1	26106-060082	BOLT M 6X 8 PLATED	1							
24	1	26106-080352	BOLT M 8X 35 PLATED	4							

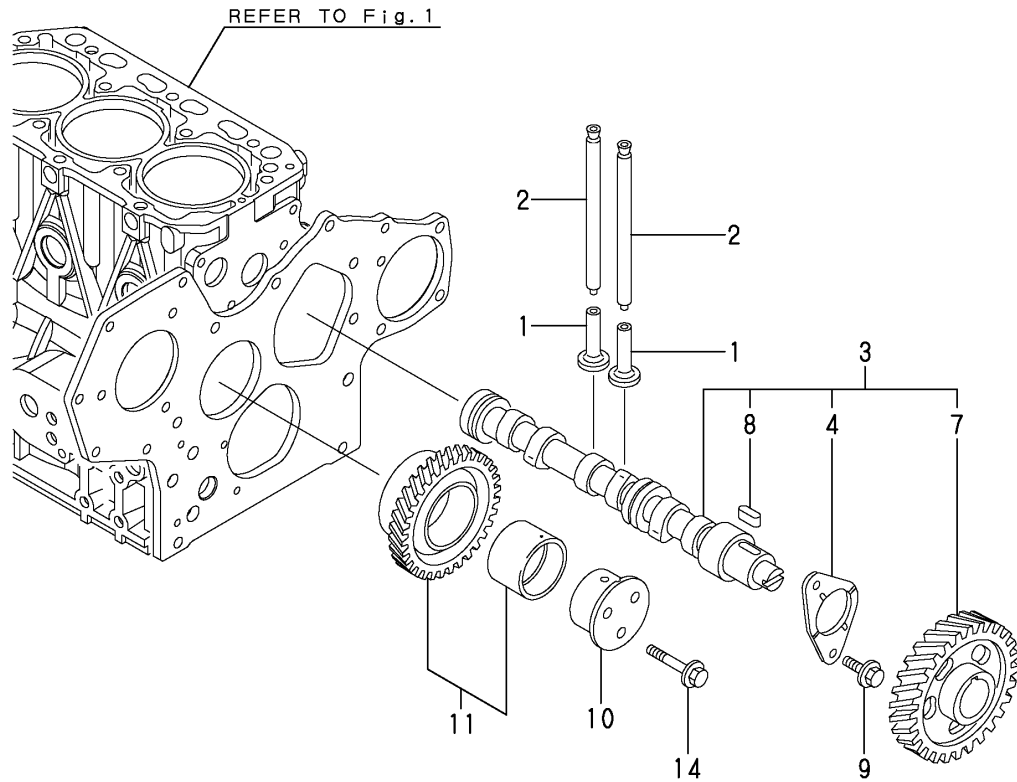
Fig.10. MIXING ELBOW

P/C NEWS No:Y00R5610-8
PUBLISHED:2005/12



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129670-13560	MIXING ELBOW	1							
2	1	129472-18090	GASKET	1							
3	1	26703-080002	NUT M 8	4							
4	1	129470-13541	ELBOW, WATER MIXING	1							
5	1	129472-13560	PLUG PT3/4	1							
6	1	129670-49200	PIPE, COOLING WATER	1							
6-1	1	129670-49280	CSW PIPE	1						S	
(A=E/#E00395)											
7	1	123325-49421	JOINT, PIPE	1							
8	1	26703-080002	NUT M 8	4							
9	1	129670-49500	HOSE CLIP 38	2							
10	1	129472-18090	GASKET	1							
I	11	129670-13580	ELBOW, WATER MIXING	1						W	
(A=*2005.12)											

Fig.11. CAMSHAFT

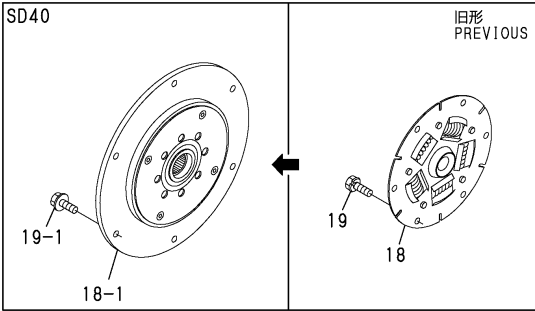
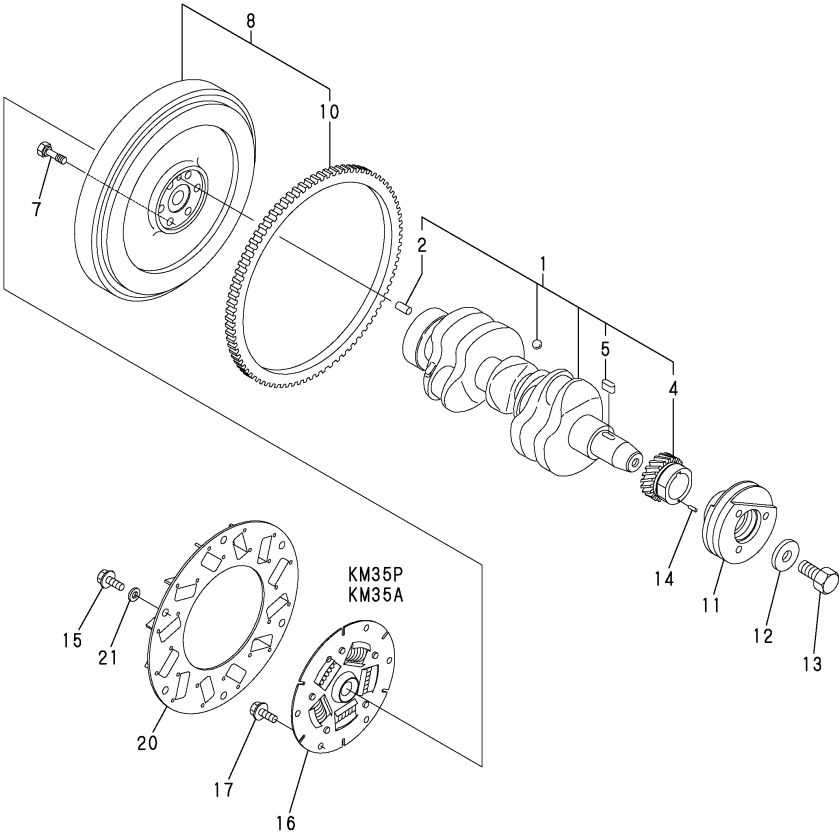


OCR10-G56100 11. CAMSHAFT

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	6							
2	1	129150-14400	ROD, PUSH	6							
3	1	129129-14580	CAMSHAFT ASSY	1							
4	2	129150-02450	METAL,THRUST(CAM	1							
7	2	129150-14101	GEAR, CAMSHAFT	1							
8	2	22512-070140	KEY 7X 14	1							
9	1	26106-080142	BOLT 8X 14 PLATED	2							
10	1	119802-25051	SHAFT, IDLE GEAR	1							
11	1	119802-25100	GEAR ASSY, IDLE	1							
14	1	26106-080402	BOLT M 8X 40 PLATED	3							

Fig.12. CRANKSHAFT & FLYWHEEL

P/C NEWS No.:Y00R5610-4
PUBLISHED :2004/9

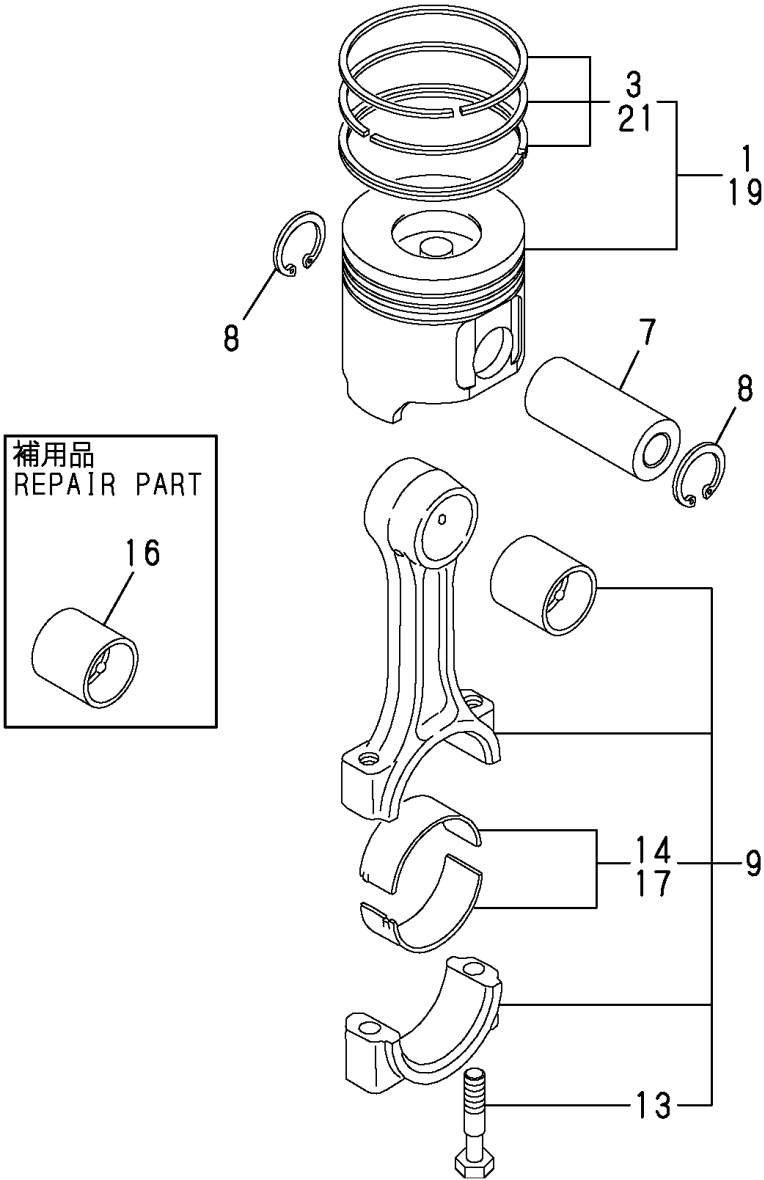


Remarks
(1)INTERCHANGEABLE BY SIMULTANEOUS
REPLACEMENT WITH REF.NO.18-1,19-1.

(A)=3JH4E
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129004-21001	CRANKSHAFT ASSY	1							
2	2	129100-01580	PARALLEL PIN 8X16	1							
4	2	119802-21201	GEAR, CRANKSHAFT	1							
5	2	22512-070140	KEY 7X 14	1							
7	1	121111-21501	BOLT, FLYWHEEL	6							
8	1	129270-21591	FLYWHEEL ASSY	1							
10	2	119865-21600	GEAR, RING	1							
11	1	129005-21650	V-PULLEY, CRANKSHAFT	1							
12	1	129795-21661	WASHER	1							
13	1	121850-21680	BOLT, V-PULLEY	1							
14	1	22351-030010	SPRING PIN 3X10	1							
15	1	26106-080162	BOLT M 8X 16 PLATED	6							
16	1	177070-03520	DISC, DAMPER	1							
17	1	26106-080162	BOLT M 8X 16 PLATED	6							
18	1	177099-03500	DISK, (NON-ASB.)	1							
I 18-1	1	196440-04310	TORFLEX250(SP10)	1						F	1
(A=*2004.04)											
19	1	26013-080142	BOLT M 8X 14	6							
I 19-1	1	26106-080222	BOLT M 8X 22 PLATED	6						F	1
(A=*2004.04)											
20	1	129670-81850	FAN (FLYWHEEL	1							
21	1	22217-080000	SPRING WASHER 8	6							

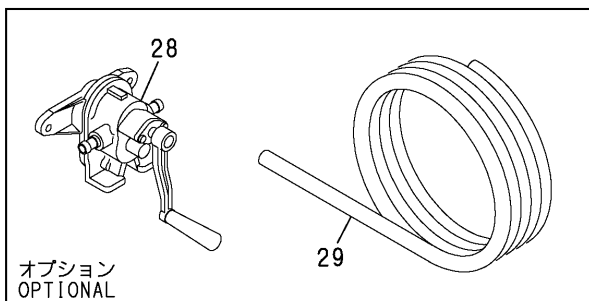
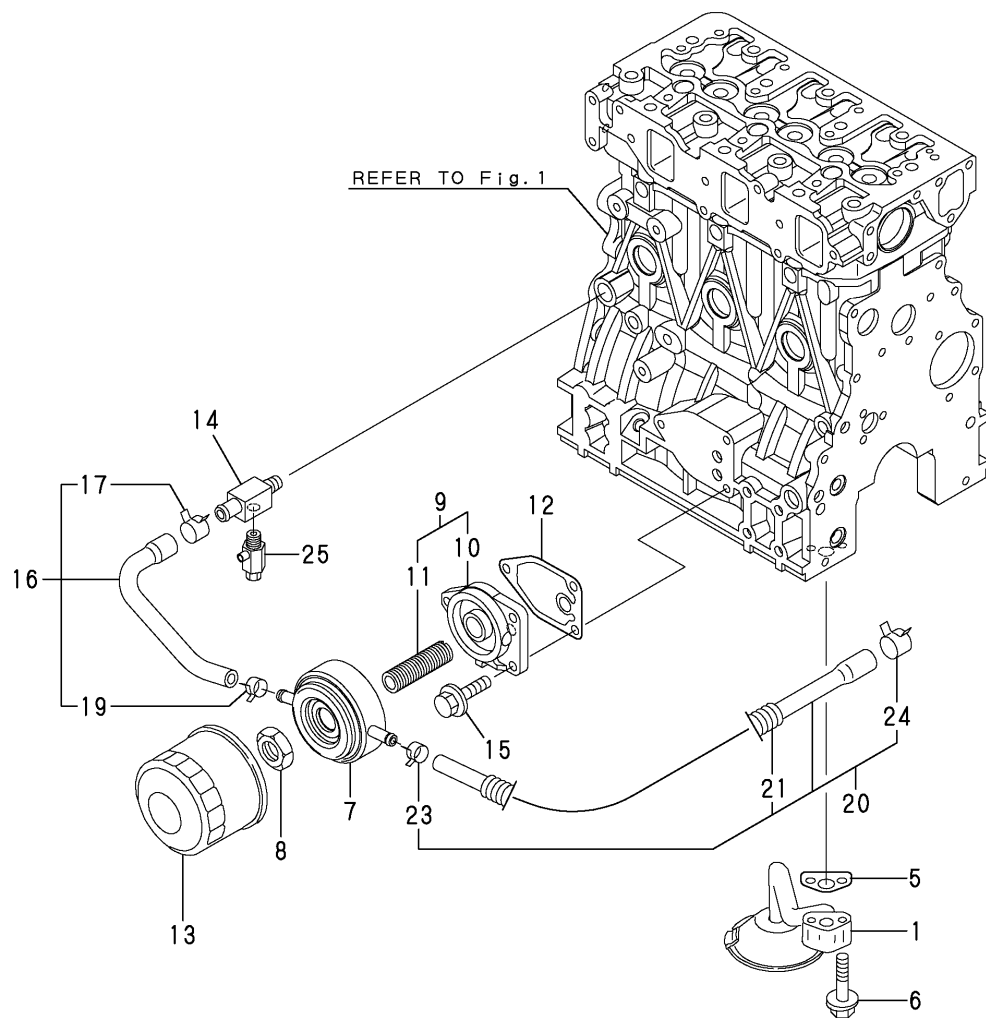
Fig.13. PISTON & CONNECTING ROD



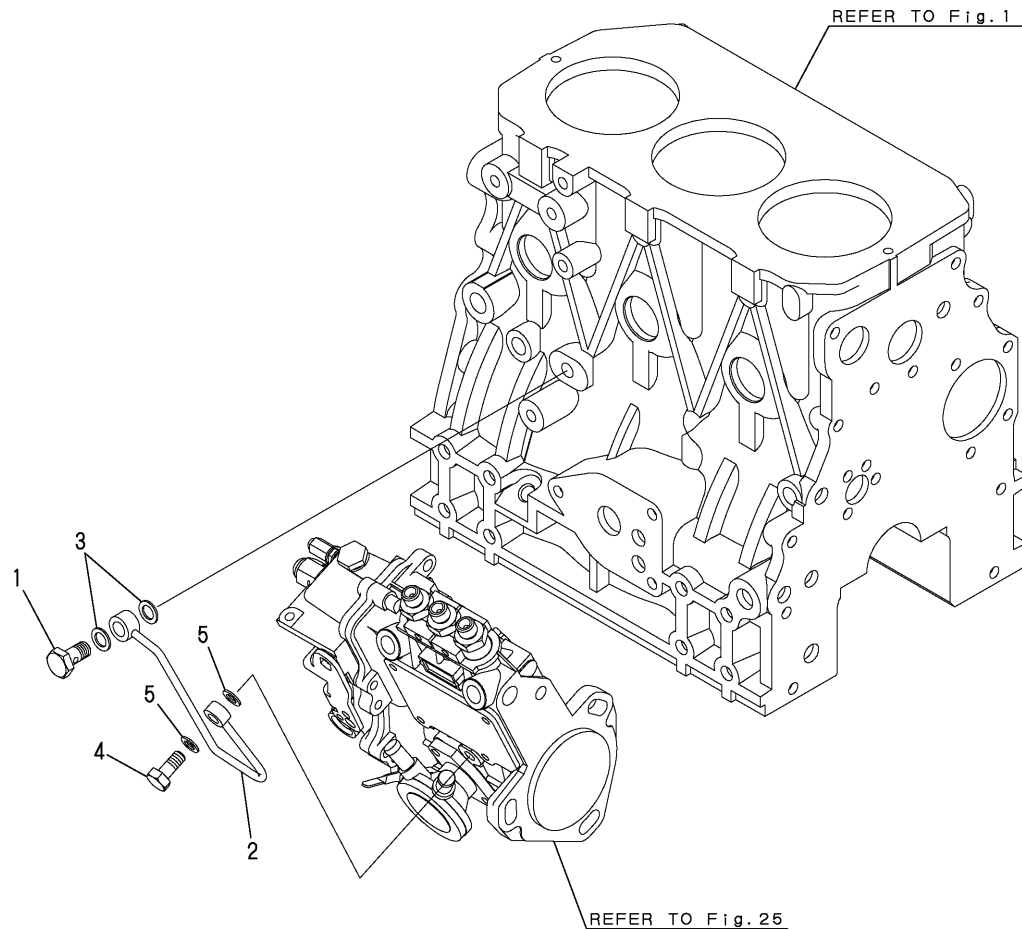
Remarks
(1)REPAIR PART.
(2)UNDER-SIZE(U.S=0.25)PART.
(3)OVER-SIZE(O.S=0.25)PART.

OCR10-G56100 13. PISTON & CONNECTING ROD

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129005-22080	PISTON ASSY	3							
3	2	129005-22500	RING SET, PISTON	3							
7	1	129202-22300	PIN, PISTON(D26,L70)	3							
8	1	22252-000260	CIRCLIP 26	6							
9	1	729402-23100	ROD ASSY, CONNECTING	3							
13	2	121550-23200	BOLT, CONNECTING ROD	6							
14	2	129150-23600	METAL, CRANKPIN	3							
16	1	129100-23910	BUSH, PISTON PIN	3							1
17	1	129150-23610	METAL.PIN US=0.25	3							2
19	1	129005-22900	PISTON W/RING OS=.25	3							3
21	2	129005-22950	RING SET O.S=0.25	3							3



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-35091	PIPE ASSY, OIL INLET	1							
5	1	129150-35042	GASKET, (NON-ASB.)	1							
6	1	26106-080352	BOLT M 8X 35 PLATED	2							
7	1	129508-33010	COOLER ASSY, OIL	1							
8	1	129417-33110	NUT OIL COOLER	1							
9	1	129006-35100	BRACKET ASSY, FILTER	1							
10	2	119802-35110	BRACKET, FILTER	1							
11	2	129417-35150	STUD	1							
12	1	129150-35111	GASKET, (NON-ASB.)	1							
13	1	119305-35150	FILTER, LUB. OIL	1							
14	1	129006-44480	JOINT	1							
15	1	26106-080202	BOLT M 8X 20 PLATED	3							
16	1	129508-49030	PIPE,COOLER IN	1							
17	2	171008-03990	CLAMP 18.5	1							
19	2	23080-015000	CLAMP	1							
20	1	129508-49040	PIPE,COOLER OUT	1							
21	2	119940-59130	PROTECTOR, PIPE 19	1							
23	2	23080-015000	CLAMP	1							
24	2	23080-018000	CLAMP 18	1							
25	1	119620-49290	COCK ASSY 1/4	1							
28	1	124413-39100	PUMP, OIL SUMP	1							
29	1	43720-001220	PIPE	1							

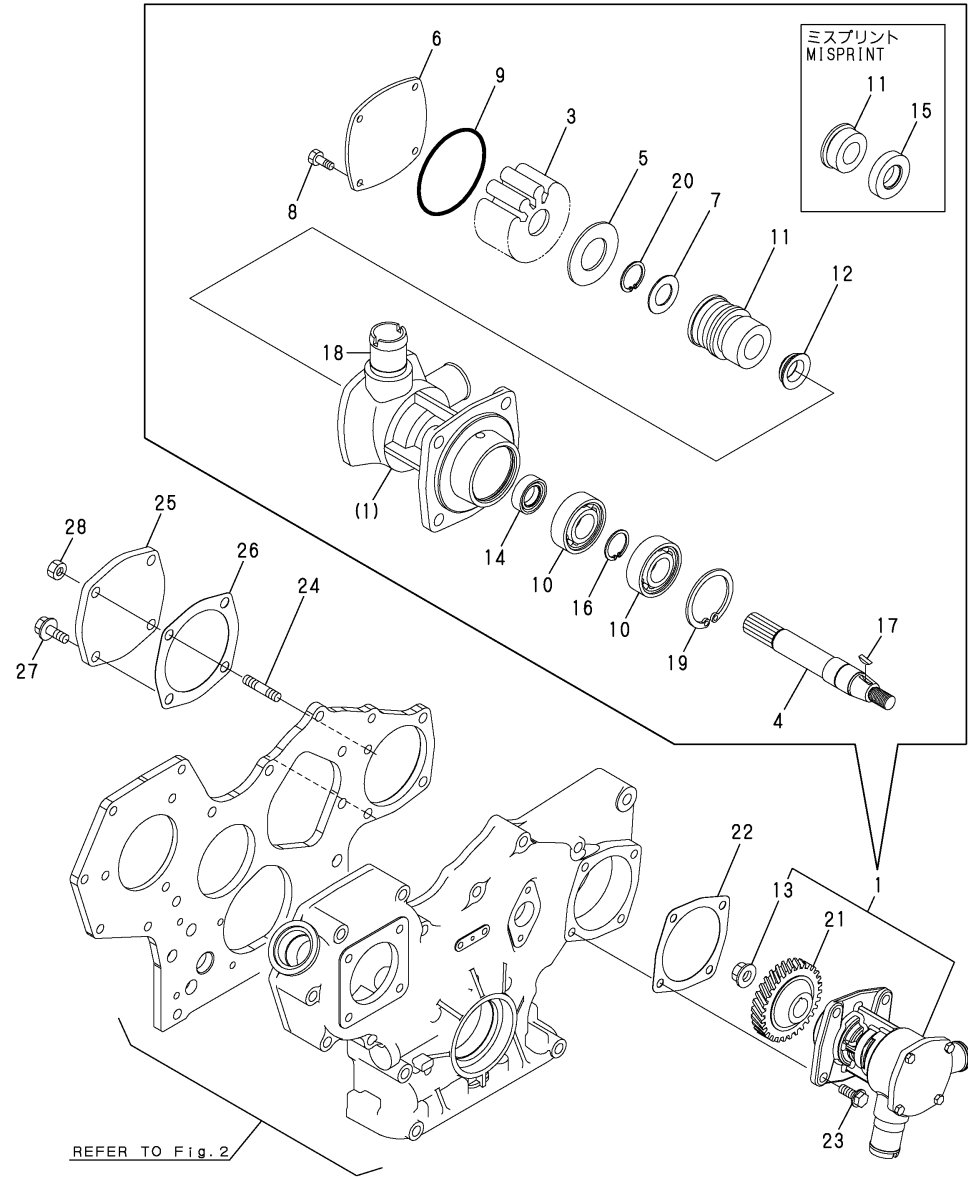


0CR10-G56100 15. LUB.OIL PIPE

REF.	LEV.	PARTS NO.	DESCRIPTION	(A)=3JH4E		(D)=		I	R
				(B)=	(C)=	(E)=	(F)=		
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	124160-39140	BOLT 10, PIPE JOINT	1					
2	1	129271-39450	PIPE ASSY, LUB. OIL	1					
3	1	22190-100002	SEAL WASHER 10S	2					
4	1	124550-59820	BOLT 8, PIPE JOINT	1					
5	1	22190-080002	SEAL WASHER 8S	2					

Fig.16. COOLING SEA WATER PUMP

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PUBLISHED:2004/4

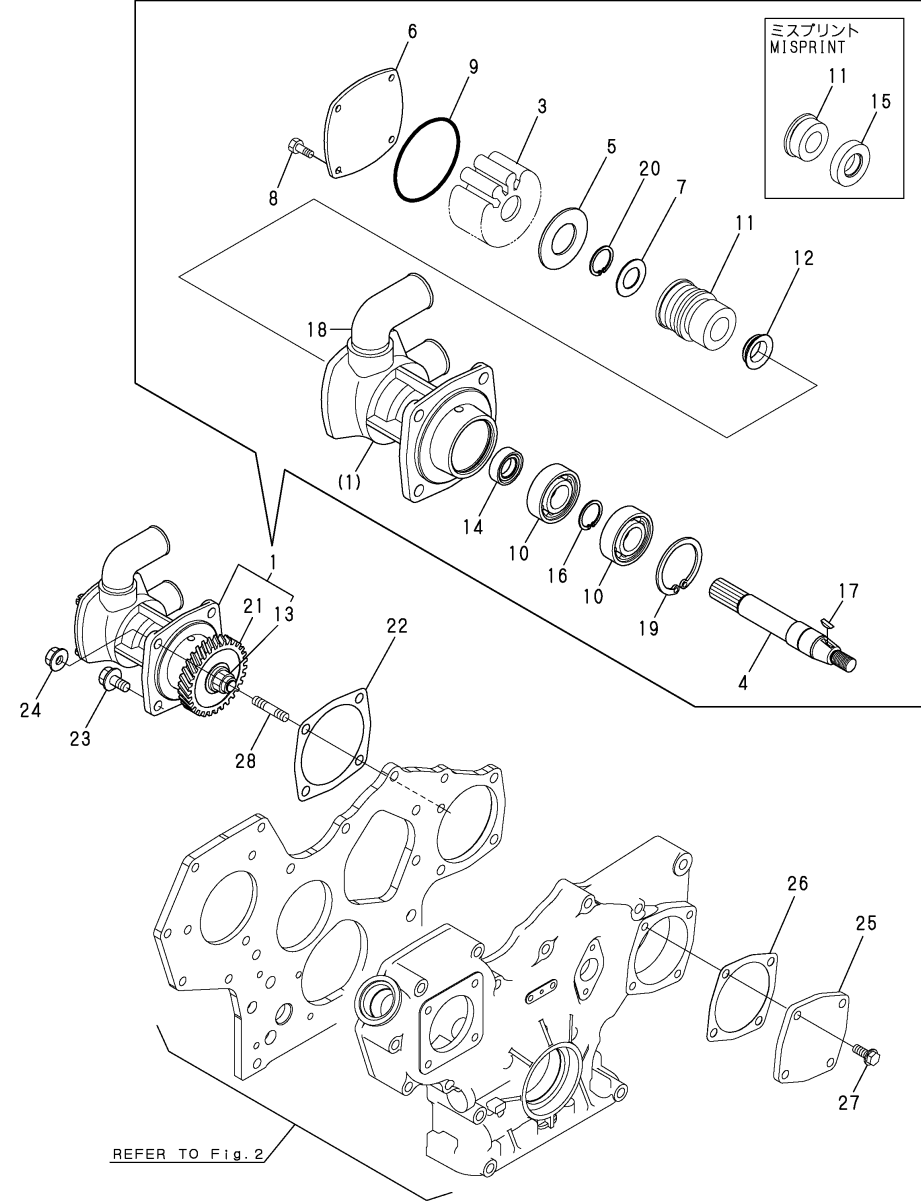


Remarks
(M)MISPRINT

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-42500	PUMP ASSY, SEA WATER	1							
3	2	129670-42530	IMPELLER	1							
4	2	X0146531	SHAFT	1							
5	2	129670-42540	PLATE	1							
6	2	129670-42520	COVER	1							
7	2	129670-42550	WASHAER	1							
I 8	2	119175-42620	SCREW	4							M
I 8-1	2	129271-42510	SCREW	4							
I 9	2	X0506590	O-RING	1							M
I 9-1	2	119773-42570	O-RING	1							
I 10	2	X0508129	BEARING	2							M
I 10-1	2	X03431483	BEARING	2							
11	2	129670-42560	MECHANICAL SHEEL	1							
I 12	2	X0519503	V-RING	1							M
I 12-1	2	X02230015	V-RING	1							
I 13	2	X0505526	LOCKNUT	1							M
I 13-1	2	X00190001	LOCKNUT	1							
I 14	2	X0529105	LIP SEAL	1							M
I 14-1	2	X02233001	LIP SEAL	1							
I 15	2	X0529530	LIP SEAL	1							M
I 16	2	X053421	CIRCLIP	1							M
I 16-1	2	X00370017	CIRCLIP	1							
17	2	129670-42580	KEY	1							
I 18	2	X01357681	CONNECTION	1							M
I 18-1	2	123325-49421	JOINT, PIPE	1							
I 19	2	X0534130	CIRCLIP	1							M
I 19-1	2	X00371040	CIRCLIP	1							
20	2	129670-42570	CIRCLIP	1							
21	1	129271-42700	GEAR, PUMP	1							
22	1	129150-01881	GASKET, (NON ASB.)	1							
23	1	26106-080202	BOLT M 8X 20 PLATED	4							
24	1	121450-01560	STUD M 8X 22	1							
25	1	124240-01871	COVER, HO-P	1							
26	1	129150-01881	GASKET, (NON ASB.)	1							
27	1	26106-080252	BOLT M 8X 25 PLATED	3							
28	1	26306-080002	NUT	1							

Fig.17. C.S.W.PUMP(OPTIONAL)

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PUBLISHED:2004/4

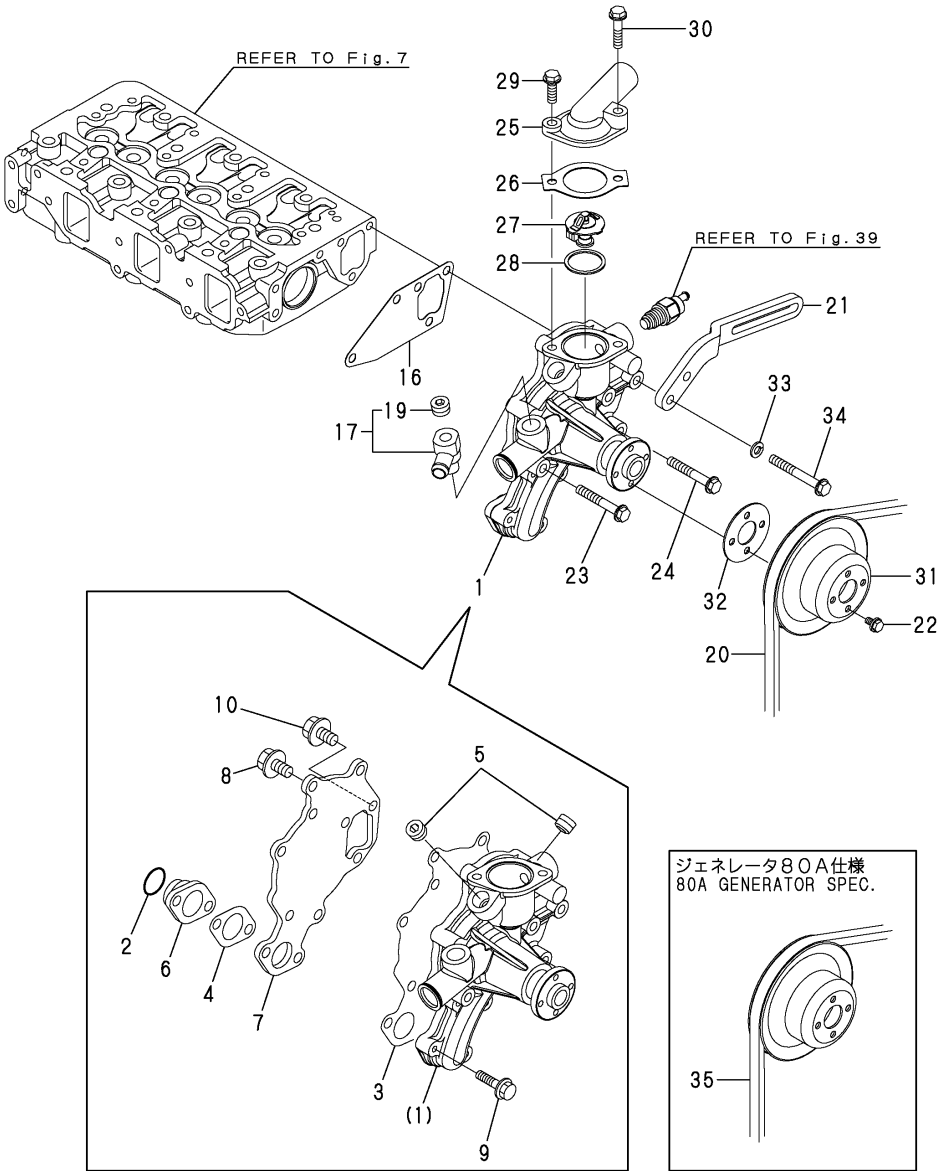


Remarks
(M)MISPRINT

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129670-42511	PUMP ASSY, C. WATER	1							
3	2	129670-42530	IMPELLER	1							
4	2	X0146531	SHAFT	1							
5	2	129670-42540	PLATE	1							
6	2	129670-42520	COVER	1							
7	2	129670-42550	WASHAER	1							
I 8	2	119175-42620	SCREW	4							M
I 8-1	2	129271-42510	SCREW	4							
I 9	2	X0506590	O-RING	1							M
I 9-1	2	119773-42570	O-RING	1							
I 10	2	X0508129	BEARING	2							M
I 10-1	2	X03431483	BEARING	2							
11	2	129670-42560	MECHANICAL SHEEL	1							
I 12	2	X0519503	V-RING	1							M
I 12-1	2	X02230015	V-RING	1							
I 13	2	X0505526	LOCKNUT	1							M
I 13-1	2	X00190001	LOCKNUT	1							
I 14	2	X0529105	LIP SEAL	1							M
I 14-1	2	X02233001	LIP SEAL	1							
I 15	2	X0529530	LIP SEAL	1							M
I 16	2	X053421	CIRCLIP	1							M
I 16-1	2	X00370017	CIRCLIP	1							
17	2	129670-42580	KEY	1							
18	2	X01357681	CONNECTION	1							
I 19	2	X0534130	CIRCLIP	1							M
I 19-1	2	X00371040	CIRCLIP	1							
20	2	129670-42570	CIRCLIP	1							
21	1	129670-42700	GEAR	1							
22	1	129150-01881	GASKET, (NON ASB.)	1							
23	1	26106-080162	BOLT M 8X 16 PLATED	3							
24	1	26306-080002	NUT	1							
25	1	124240-01871	COVER, HO-P	1							
26	1	129150-01881	GASKET, (NON ASB.)	1							
27	1	26106-080162	BOLT M 8X 16 PLATED	4							
28	1	121450-01560	STUD M 8X 22	1							

Fig.18. COOLING FRESH WATER PUMP

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PUBLISHED:2004/4

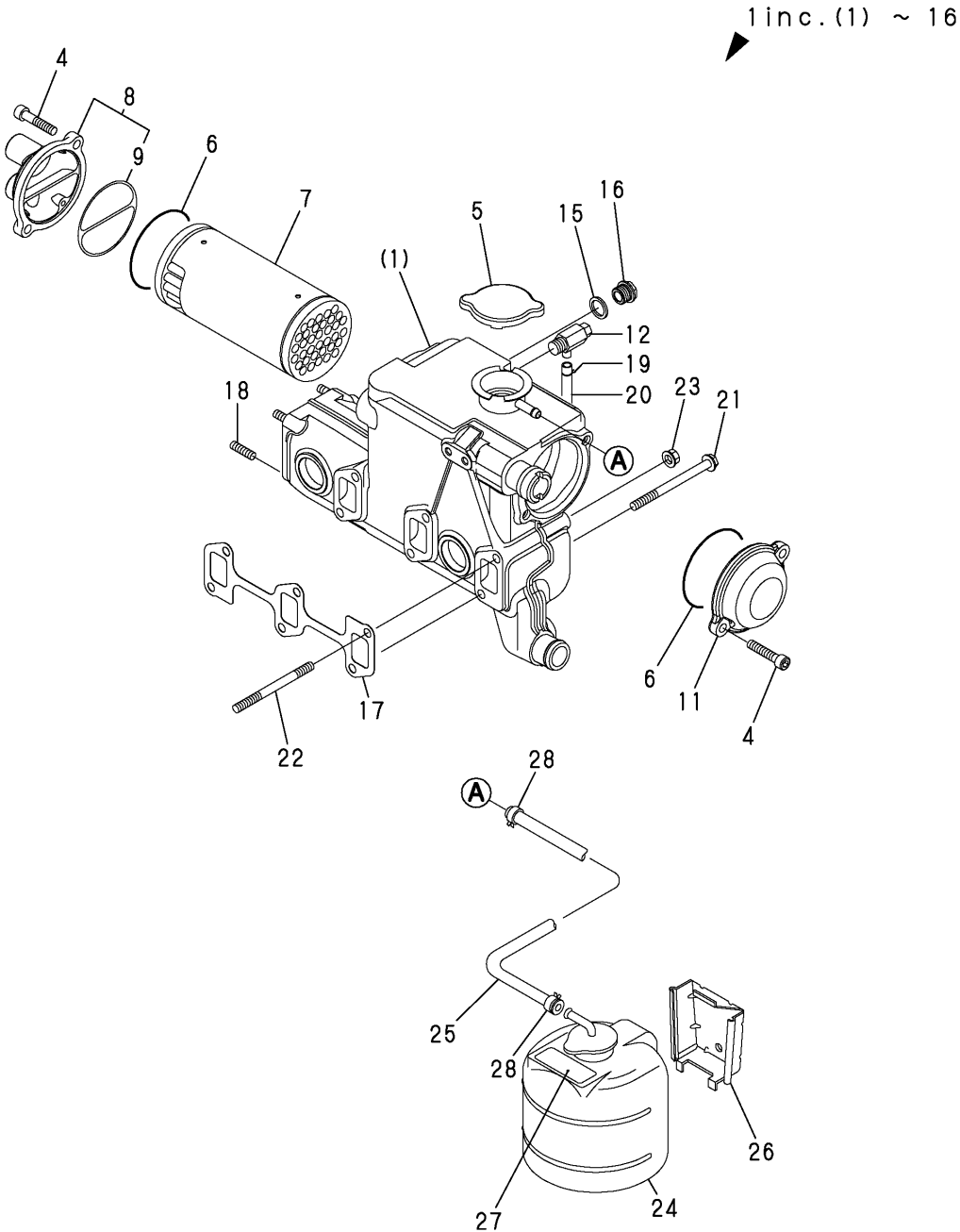


(A)=3JH4E
(B)=
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-42000	PUMP ASSY, C.F.WATER	1							
2	2	129054-42320	O-RING	1							
3	2	129052-42050	GASKET	1							
4	2	129052-42310	GASKET, OUTER	1							
5	2	23875-030000	PLUG PT3/8,STEEL	2							
6	2	129150-42300	FLANGE, C. W. PUMP	1							
7	2	129150-42129	PLATE	1							
8	2	26106-060142	BOLT M 6X 14 PLATED	5							
9	2	26106-060202	BOLT M 6X 20 PLATED	2							
10	2	26116-060162	BOLT 6X16	1							
16	1	129486-42050	GASKET	1							
17	1	129270-49400	JOINT	1							
19	2	23875-030000	PLUG PT3/8,STEEL	1							
20	1	25152-004300	V-BELT A43	1							
21	1	129495-77330	ADJUSTER, BELT	1							
22	1	26106-060102	BOLT 6X 10 PLATED	4							
23	1	26106-080552	BOLT M 8X 55 PLATED	2							
24	1	26106-080552	BOLT M 8X 55 PLATED	1							
25	1	129470-49540	COVER, THERMOSTAT	1							
26	1	129795-49551	GASKET, (NON-ASB.)	1							
27	1	129470-49801	THERMOSTAT	1							
28	1	129470-49810	GASKET, (NON-ASB.)	1							
29	1	26106-080252	BOLT M 8X 25 PLATED	1							
30	1	26106-080352	BOLT M 8X 35 PLATED	1							
31	1	129550-42350	V-PULLEY(D=120)	1							
32	1	129156-44760	WASHER	1							
33	1	22217-080000	SPRING WASHER 8	1							
34	1	26106-080652	BOLT M 8X 65 PLATED	1							
35	1	129271-42280	V-BELT, A43.5	1							W
(A=FROM 1ST)											

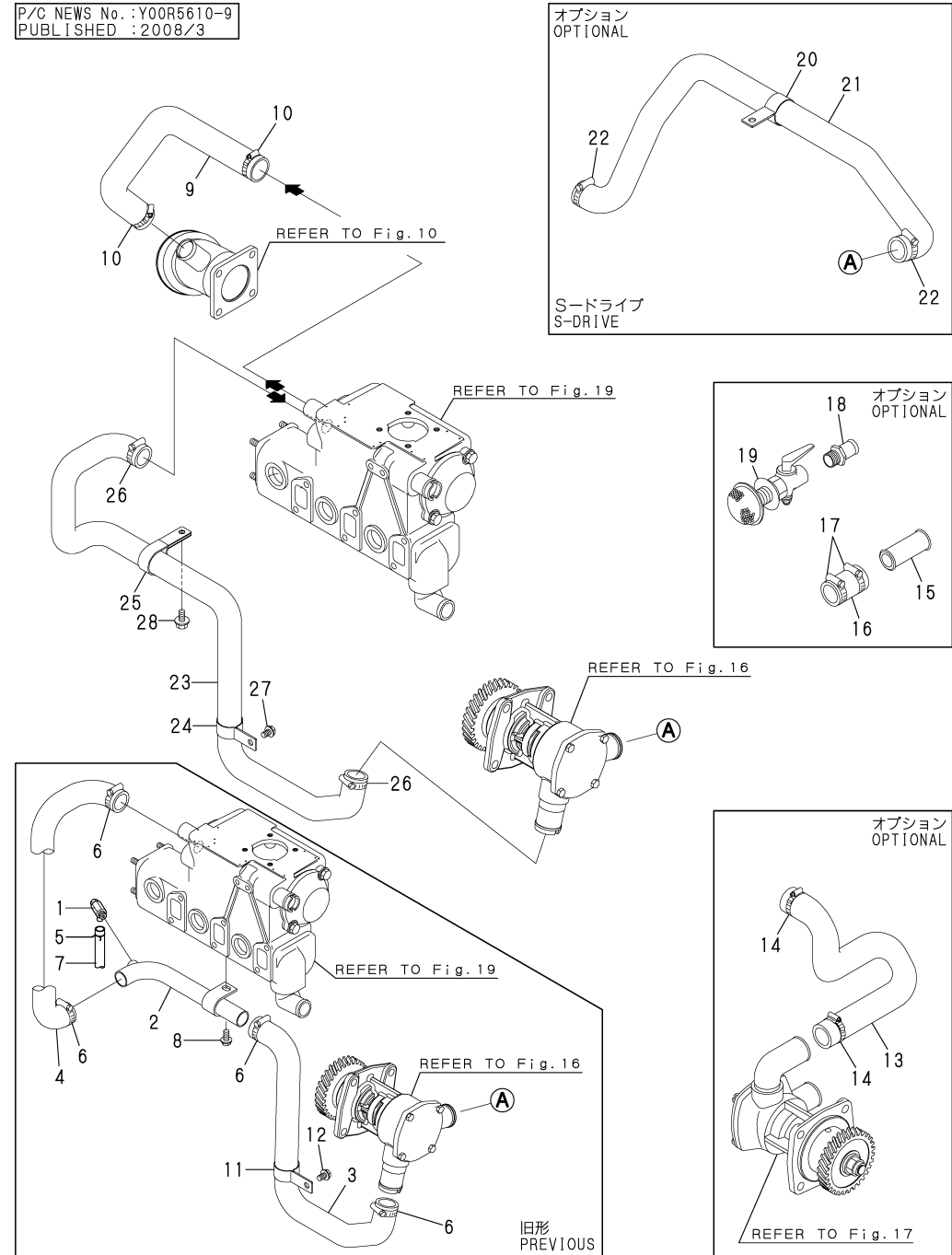
Fig.19. COOLING FRESH WATER COOLER



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129270-44910	COOLER ASSY, WATER	1							
4	2	129673-44090	SCREW,M8X40	4							
5	2	129673-44130	CAP,FILLER	1							
6	2	129670-44150	O-RING, 74.5X3	2							
7	2	129270-44410	CORE ASSY, COOLER	1							
8	2	129670-44430	COVER CMP,COOLER A	1							
9	3	120322-33050	GASKET	1							
11	2	129670-44450	COVER, COOLER B	1							
12	2	119620-49290	COCK ASSY 1/4	1							
15	2	23414-170000	GASKET 17, ROUND	1							
16	2	23893-030002	PLUG G3/8,HEX.	1							
17	1	129150-13110	GASKET, EXH.MANIFOLD	1							
18	1	128170-13600	STUD	4							
19	1	124460-77680	RETAINER	1							
20	1	23061-070300	PIPE 7X 300	1							
21	1	26106-081002	BOLT M 8X100 PLATED	4							
22	1	26216-081002	STUD M 8X100 PLATED	2							
23	1	26306-080002	NUT	2							
24	1	128397-44500	TANK ASSY, RESERVE	1							
25	1	129270-44500	PIPE OVER FLOW	1							
26	1	128397-44510	BRACKET, SUB-TANK	1							
27	1	129670-44570	LABEL	1							
28	1	23010-013000	CLAMP 13	2							

Fig.20. COOLING SEA WATER PIPE

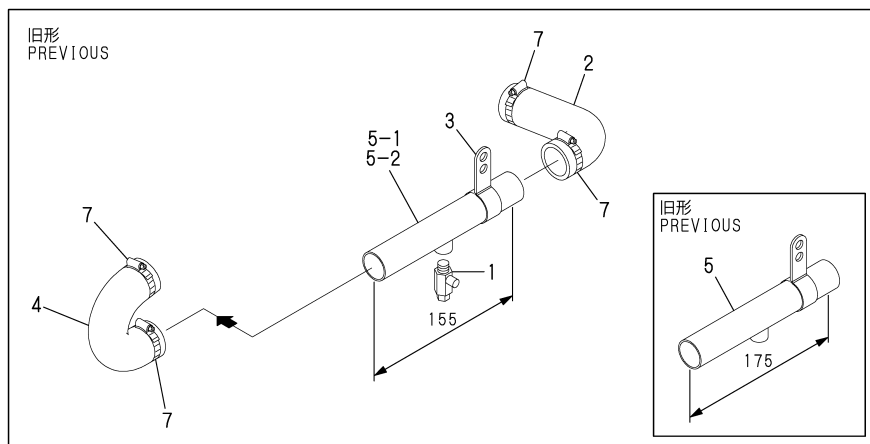
P/C NEWS No.:Y00R5610-9
PUBLISHED :2008/3



OCR10-G56100 20. COOLING SEA WATER PIPE

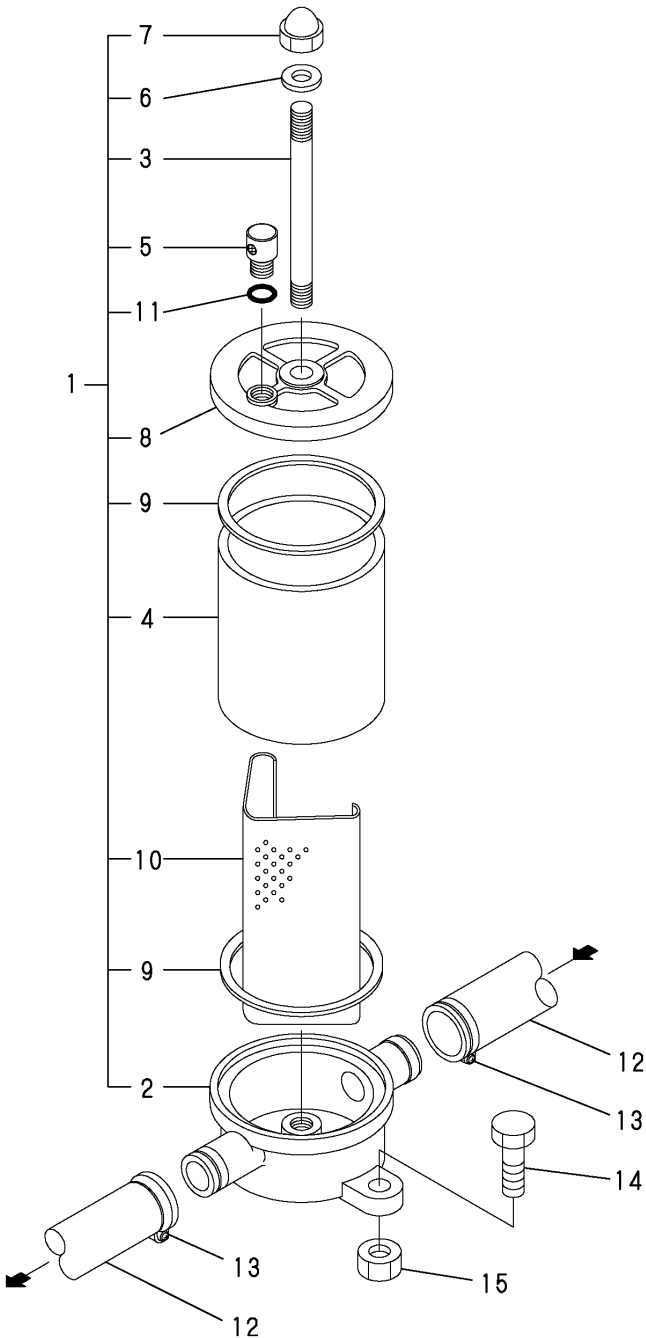
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
I	1	1 129670-49290 (A=E/#2007.0)	COCK R1/8 ASSY	1							Z
I	2	1 129170-49010 (A=E/#2007.0)	PIPE, C. SEA WATER	1							Z
I	3	1 129271-49010 (A=E/#2007.0)	PIPE, COOLING WATER	1							Z
I	4	1 129270-49040 (A=E/#2007.0)	PIPE,CSW	1							Z
I	5	1 124460-77680 (A=E/#2007.0)	RETAINER	1							Z
I	6	1 129670-49500 (A=E/#2007.0)	HOSE CLIP 38	4							Z
I	7	1 23061-070300 (A=E/#2007.0)	PIPE 7X 300	1							Z
I	8	1 26106-080162 (A=E/#2007.0)	BOLT M 8X 16 PLATED	1							Z
	9	1 129670-49150	PIPE,CSW(D)	1							
	10	1 129670-49500	HOSE CLIP 38	2							
I	11	1 129271-49110 (A=E/#2007.0)	RETAINER, PIPE	1							Z
I	12	1 26106-080122 (A=E/#2007.0)	BOLT M 8X 12 PLATED	1							Z
	13	1 129670-49110	PIPE,CSW(A)	1							
	14	1 129670-49500	HOSE CLIP 38	2							
	15	1 129490-49070	JOINT	1							
	16	1 129171-49900	JOINT, RUBBER	1							
	17	1 129670-49500	HOSE CLIP 38	2							
	18	1 43530-500570	JOINT	1							
	19	1 43662-025030	COCK ASSY, SEA WATER	1							
	20	1 129671-49110	RETAINER	1							
	21	1 129271-49210	PIPE,CSW S-DRIVE	1							
	22	1 129670-49500	HOSE CLIP 38	2							
I	23	1 129271-49040 (A=E/#2007.0)	PIPE, COOLING WATER	1							W
I	24	1 129271-49110 (A=E/#2007.0)	RETAINER, PIPE	1							W
I	25	1 129671-49120 (A=E/#2007.0)	RETAINER	1							W
I	26	1 129670-49500 (A=E/#2007.0)	HOSE CLIP 38	2							W
I	27	1 26106-080122 (A=E/#2007.0)	BOLT M 8X 12 PLATED	1							W
I	28	1 26106-080162 (A=E/#2007.0)	BOLT M 8X 16 PLATED	1							W

Exploded view diagram of a mechanical assembly. The main housing (Fig. 19) is shown at the top, featuring a top cover and a side panel with multiple ports. A sub-assembly (Fig. 18) is shown below, connected to the main housing by a long pipe (8). The sub-assembly is a complex valve or actuator. A long pipe (8) connects the two, with two O-rings (7-1) at the connection points. A label "REFER TO Fig. 18" points to the sub-assembly, and "REFER TO Fig. 19" points to the main housing.

[illegible]

N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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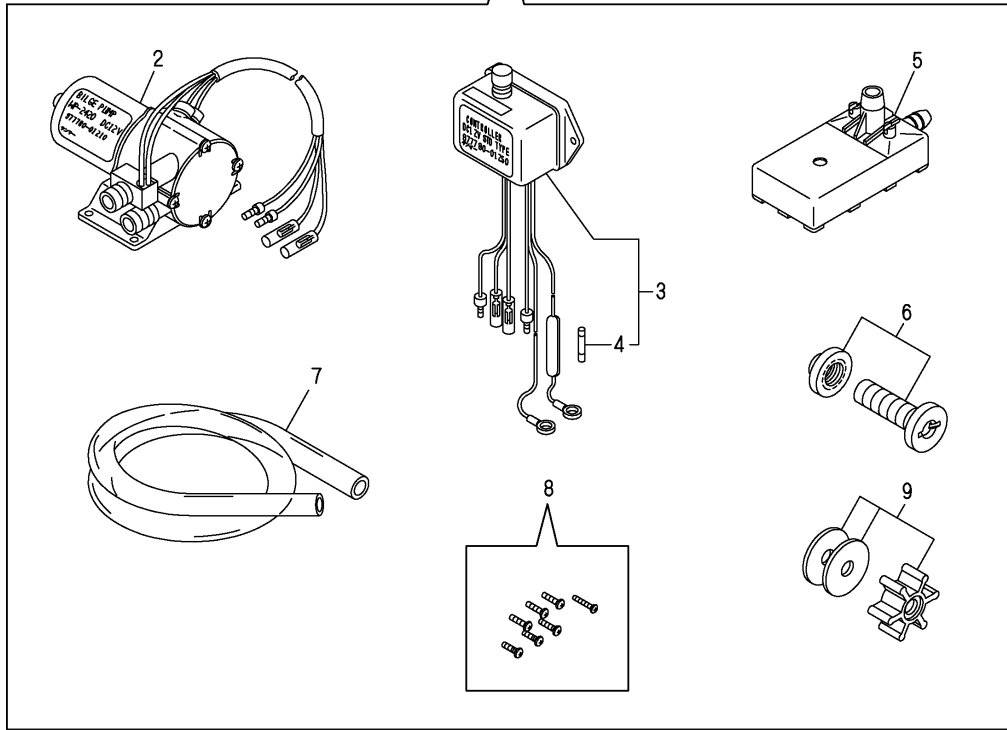
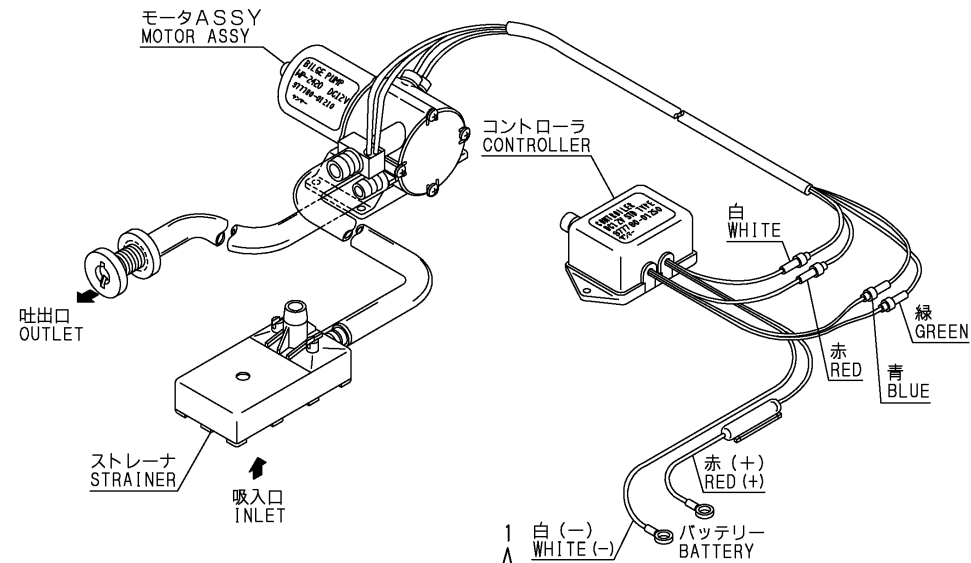
Fig.22. COOLING SEA WATE STRAINER(OPTIONAL)



OCR10-G56100 22. COOLING SEA WATE STRAINER(OPTIONAL)

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129795-48800	STRAINER	1							
2	2	XTST25S001	BODY	1							
3	2	XTST25S002	BOLT M 8X125	1							
4	2	XTST25S003	PIPE, OUTER	1							
5	2	XTST25S004	PLUG M 8	1							
6	2	XTST25S005	PACKING	1							
7	2	26664-080002	CAP NUT M 8	1							
8	2	XTST25S007	COVER	1							
9	2	XTST25S008	PACKING	2							
10	2	XTST25S009	FILTER	1							
11	2	24311-000060	O-RING 1A P-6.0	1							
12	1	23072-101000	HOSE (25/33X1000)	1							
13	1	129670-49500	HOSE CLIP 38	2							
14	1	26116-080302	BOLT 8X30	2							
15	1	26703-080002	NUT M 8	2							

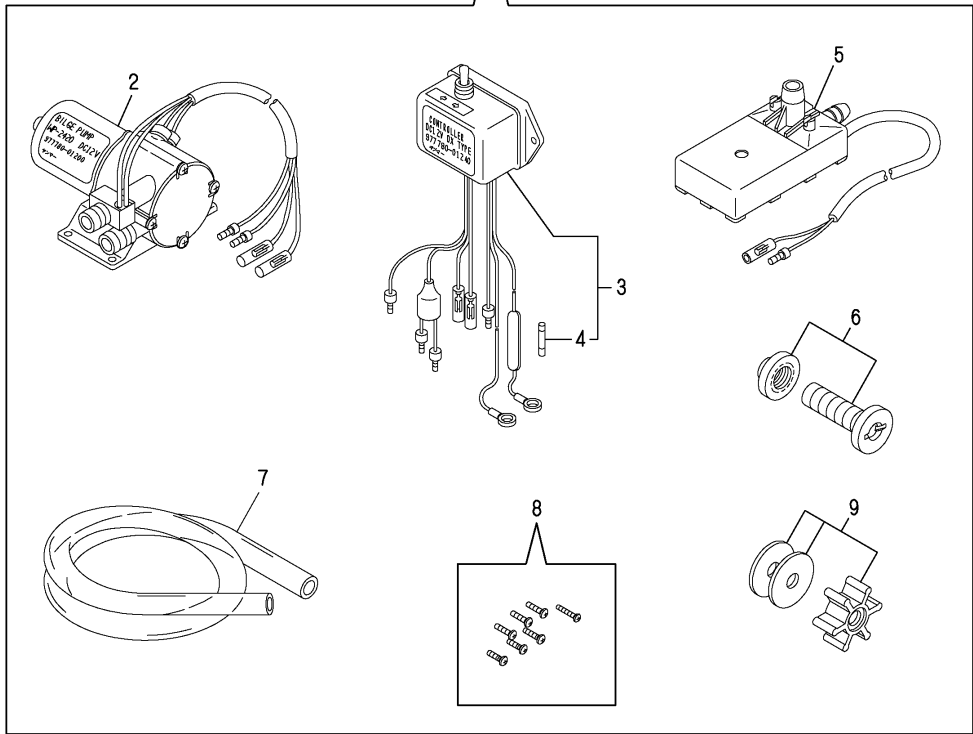
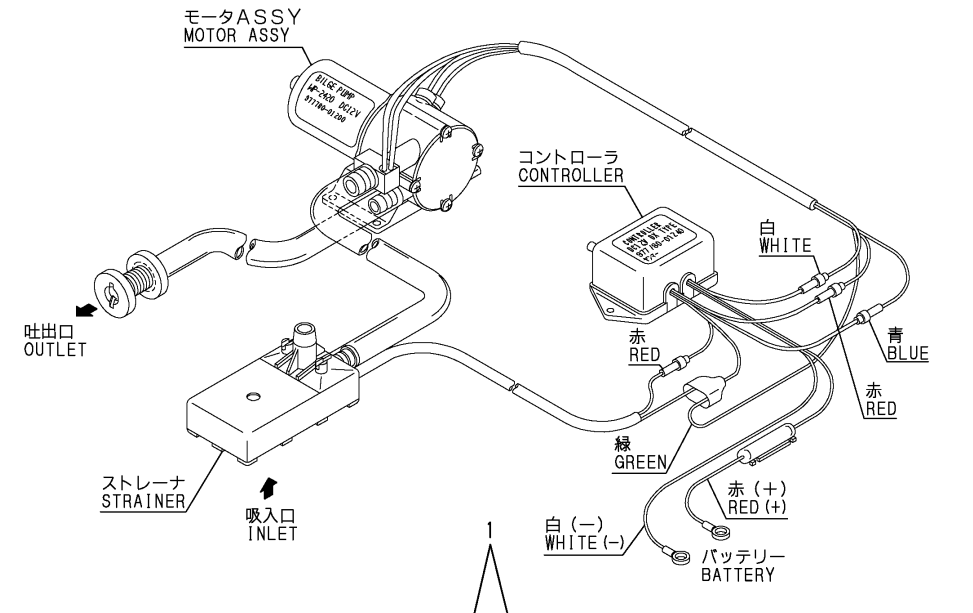
Fig.23. BILGE PUMP(STD/OPTIONAL)



OCR10-G56100 23. BILGE PUMP(STD/OPTIONAL)

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(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.24. BILGE PUMP(DX/OPTIONAL)

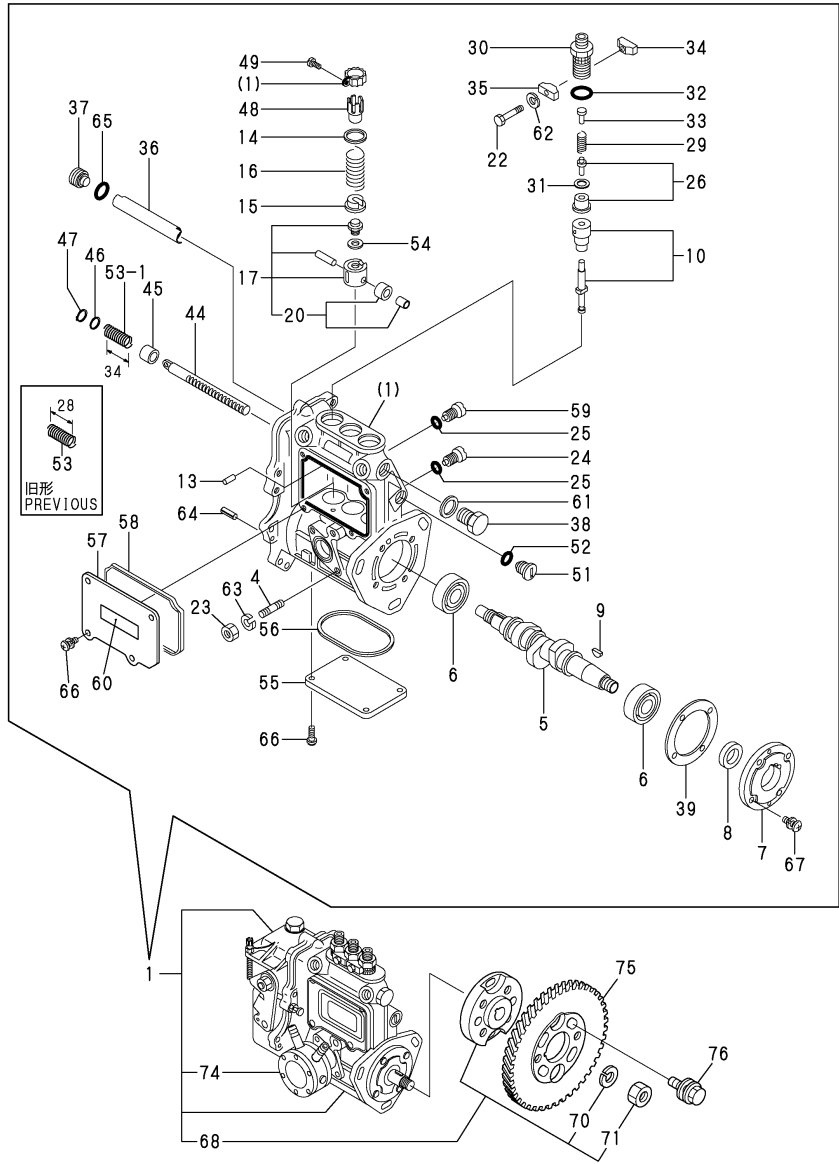


OCR10-G56100 24. BILGE PUMP(DX/OPTIONAL)

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(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.25. FUEL INJECTION PUMP

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PUBLISHED:2004/5

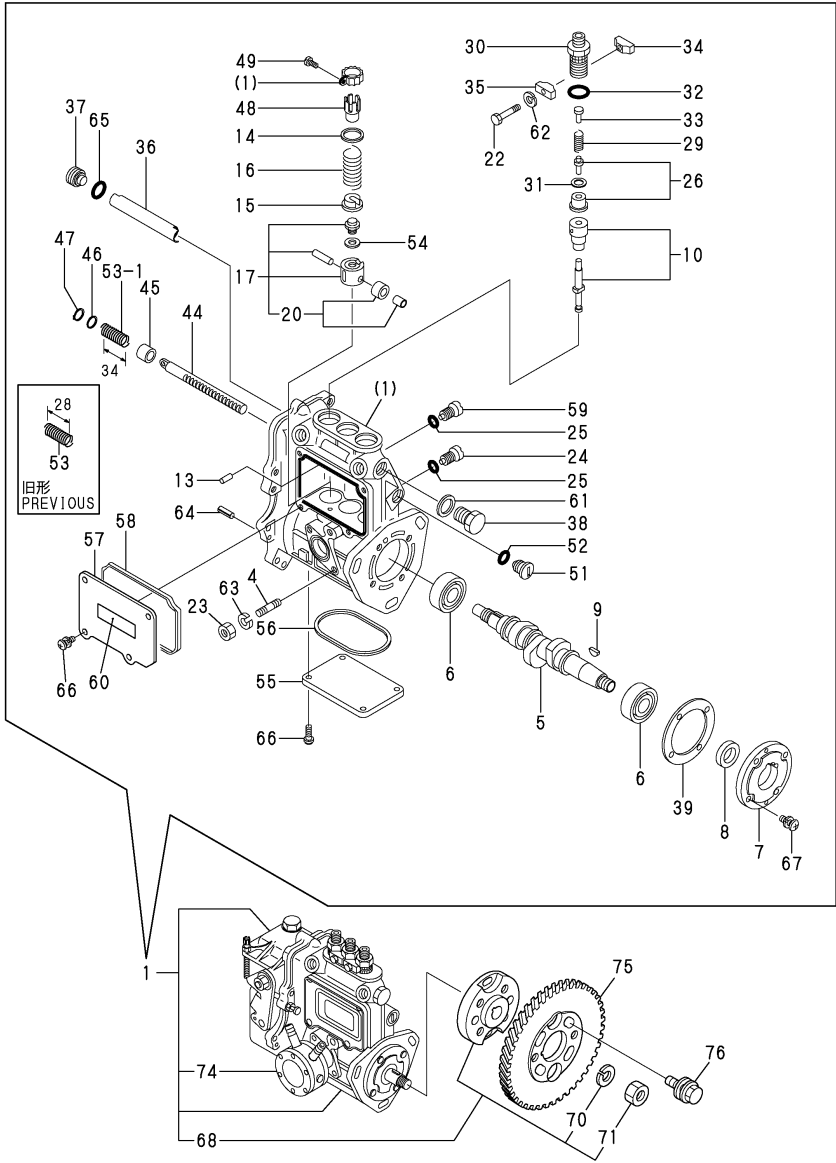


Remarks
(1)GOVERNOR ASSY(FIG.26)IS
INCORPORATED IN THIS
FUEL INJECTION PUMP(REF.NO.1)

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729271-51450	FUEL INJECTION ASSY	1							1
4	3	129155-51020	STUD, FEED PUMP	2							
5	3	129171-51040	CAMSHAFT	1							
6	3	122710-51050	BEARING, ROLLER	2							
7	3	129486-51060	SUPPORT, CAMSHAFT	1							
8	3	129470-51080	SEAL, OIL	1							
9	3	122710-51090	KEY	1							
10	3	129470-51101	PLUNGER W/BARREL	3							
13	3	129155-51140	PIN, BARREL LOCKING	3							
14	3	174307-51170	RETAINER A	3							
15	3	129155-51180	SPRING SHOE, PLUNGER	3							
16	3	124950-51190	SPRING, PLUNGER	3							
17	3	129155-51200	TAPPET ASSY	3							
20	4	711100-51540	ROLLER ASSY	3							
22	3	26116-050302	BOLT M 5X 30 PLATED	2							
23	3	26716-060002	NUT 6	2							
24	3	129155-51270	LOCKING, TAPPET	3							
25	3	129155-51280	O-RING S6	4							
26	3	129670-51300	VALVE ASSY	3							
29	3	129573-51330	SPRING, DELY. VALVE	3							
30	3	129573-51340	GUARD, DELY. VALVE	3							
31	3	124550-51350	GASKET, DELIVERY	3							
32	3	124550-51370	O-RING, DELIVERY	3							
33	3	129573-51370	STOPPER, VALVE	3							
34	3	129155-51380	LOCKING (A)	2							
35	3	129155-51390	LOCKING (B)	2							
36	3	129155-51400	DEFLECTOR	1							
37	3	129155-51410	CHECK BOLT,DEFLECTOR	1							
38	3	129155-51420	PLUG (M16)	1							
39	3	129155-51450	SHIM SET, ADJUSTING	1							
44	3	129155-51500	RACK, CONTROL	1							
45	3	129155-51521	BUSH, RACK	1							
46	3	129155-51530	SPACER, AUX. SPRING	1							
47	3	129155-51540	CIRCLIP	1							
48	3	129155-51550	PINION, CONTROL	3							
49	3	129100-51570	SCREW	3							
51	3	129155-51570	PLUG (M12)	1							
52	3	129155-51580	O-RING	1							
53	3	129155-51591	SPRING, RACK	1							
I 53-1	3	129190-51590	SPRING, RACK	1							N
(A=*2003.12)											
54	3	129155-51600	SHIM PACK	3							
55	3	129155-51701	COVER	1							
56	3	129155-51711	PACKING	1							
57	3	129155-51751	COVER, SIDE	1							
58	3	129155-51761	GASKET	1							
59	3	129155-51790	LOCKING, RACK	1							
60	3	129156-51910	LABEL, CAUTION	1							
61	3	22190-160002	SEAL WASHER 16S	1							
62	3	22217-050000	SPRING WASHER 5	2							
63	3	22217-060000	SPRING WASHER 6	2							

Fig.25. FUEL INJECTION PUMP

P/C NEWS No:Y00R5610-3
PUBLISHED:2004/5



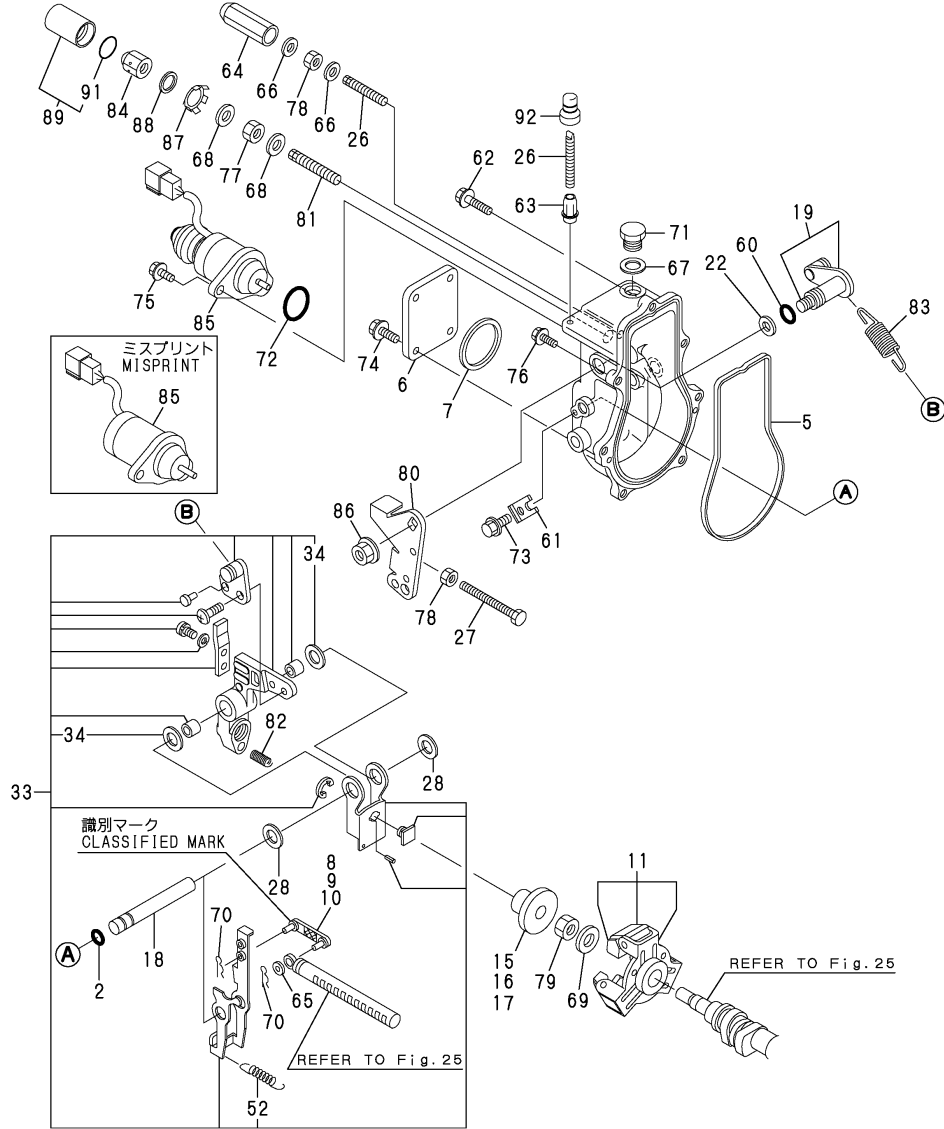
Remarks
(1)GOVERNOR ASSY(FIG.26)IS
INCORPORATED IN THIS
FUEL INJECTION PUMP(REF.NO.1)

(A)=3JH4E
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
64	3	22351-050010	SPRING PIN 5X10	2							
65	3	24341-000160	O-RING 1A S-16.0	1							
66	3	26022-050122	SCREW M 5X 12	8							
67	3	26022-060162	SCREW M 6X 16	4							
68	3	129208-54500	FLANGE ASSY	1							
70	4	22217-120000	SPRING WASHER 12	1							
71	4	26716-120002	NUT 12	1							
74	2	129158-52000	FUEL PUMP ASSY	1							
75	1	129150-25931	GEAR	1							
76	1	129150-25301	BOLT,FI-P	4							

Fig.26. GOVERNOR

P/C NEWS No:Y00R5610-1
PUBLISHED:2003/9

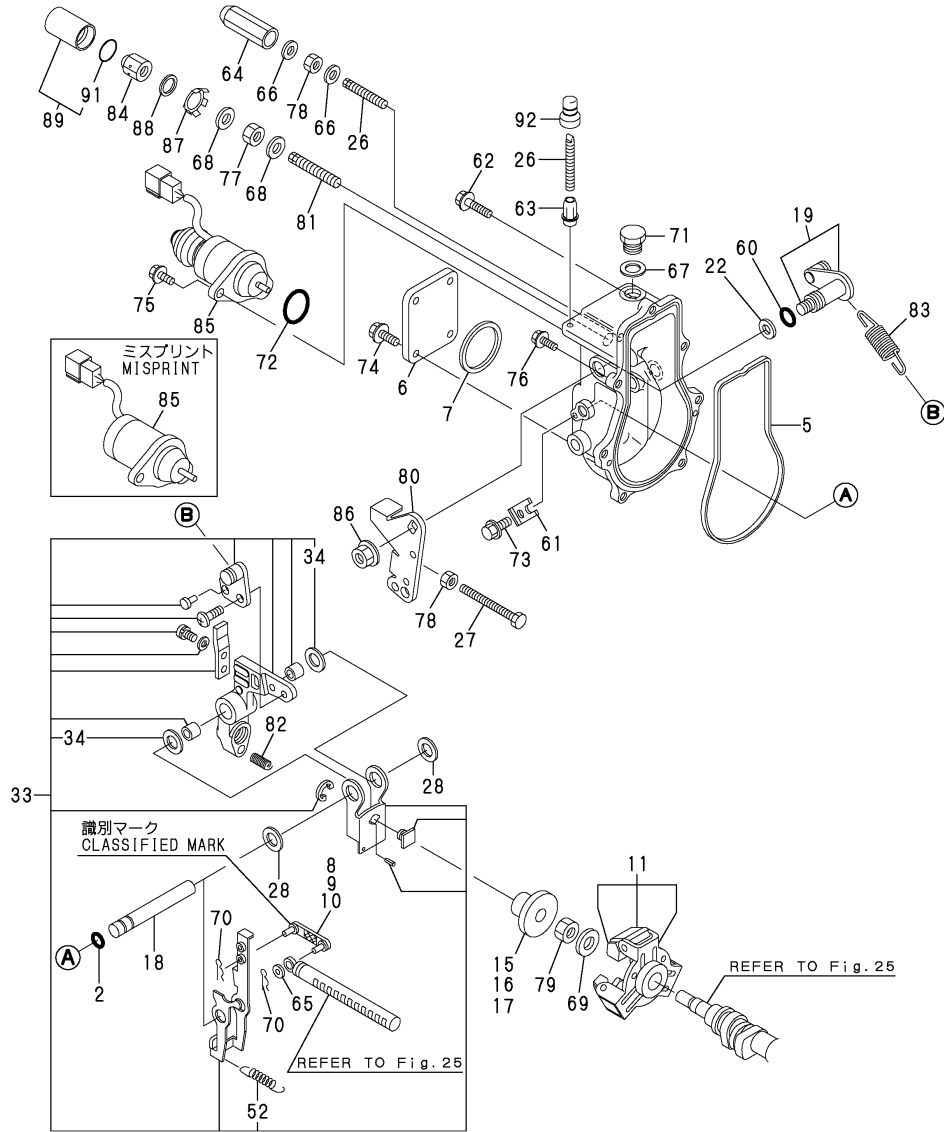


Remarks
(1)SELECTIVE PARTS:CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REFER TO ILLUSTRATION)
(2)SELECTIVE PARTS.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	129155-51280	O-RING S6	1							
5	2	129052-61051	GASKET, GOV. CASE	1							
6	2	129052-61060	COVER	1							
7	2	129052-61071	GASKET, COVER	1							
8	2	129155-61120	LINK L=30(MARK 0	1							1
9	2	129155-61130	LINK L=31(MARK 1	1							1
10	2	129155-61140	LINK L=30.5(MARK 05)	1							1
11	2	129486-61201	WEIGHT ASSY,GOVERNOR	1							
15	2	129155-61341	SLEEVE(L=25.5)	1							2
16	2	129155-61350	SLEEVE(L=24.9)	1							2
17	2	129155-61360	SLEEVE(L=25.2)	1							2
18	2	129052-61390	SHAFT, GOV. LEVER	1							
19	2	129100-61400	SHAFT ASSY, CONTROL	1							
22	2	129155-61430	SPACER, SHAFT	1							
26	2	129155-61450	BOLT, REVOL. LIMIT	2							
27	2	129155-61460	BOLT, IDLE LIMIT	1							
28	2	129155-61480	SPACER ASSY	2							
33	2	119908-61501	LEVER ASSY,GOVERNOR	1							
34	3	174307-51700	SHIM SET	2							
52	3	129486-61540	SPRING, SET	1							
60	2	129155-61830	O-RING S10	1							
61	2	119660-61901	RETAINER, SHAFT	1							
62	2	129155-61950	BOLT, WASHER BASED	1							
63	2	129209-61370	NUT M6	1							
64	2	119600-66840	NUT, CAP	1							
65	2	22117-040000	WASHER 4	1							
66	2	22190-060003	SEAL WASER 6	2							
67	2	22190-100002	SEAL WASHER 10S	1							
68	2	22190-120002	SEAL WASHER 12	2							
69	2	22287-120000	WASHER 12	1							
70	2	22372-040000	SNAP PIN 4	2							
71	2	23887-100002	PLUG 10	1							
72	2	24341-000280	O-RING 1A S-28.0	1							
I 72-1	2	158552-61900	O-RING	1							N
(A=EXXXXX)											
73	2	26106-060102	BOLT 6X 10 PLATED	1							
74	2	26106-060102	BOLT 6X 10 PLATED	4							
75	2	26106-060142	BOLT M 6X 14 PLATED	2							
76	2	26106-060202	BOLT M 6X 20 PLATED	6							
77	2	26736-120002	NUT M12	1							
78	2	26756-060002	LOCK NUT 6	2							
79	2	26776-120002	LOCK NUT M12 PLATED	1							
80	2	129100-61440	LEVER, CONTROL	1							
81	2	120323-61470	BOLT, CONTROL	1							
82	2	129470-61650	SPRING, FUEL CONTROL	1							
83	2	171353-61700	SPRING, GOVERNOR	1							
84	2	129209-61930	CAP NUT	1							
85	2	129271-77950	SOLENOID, STOP	1							
86	2	26366-080002	NUT M 8	1							
87	2	129209-61970	PLATE	1							
88	2	23414-120016	GASKET 12	1							

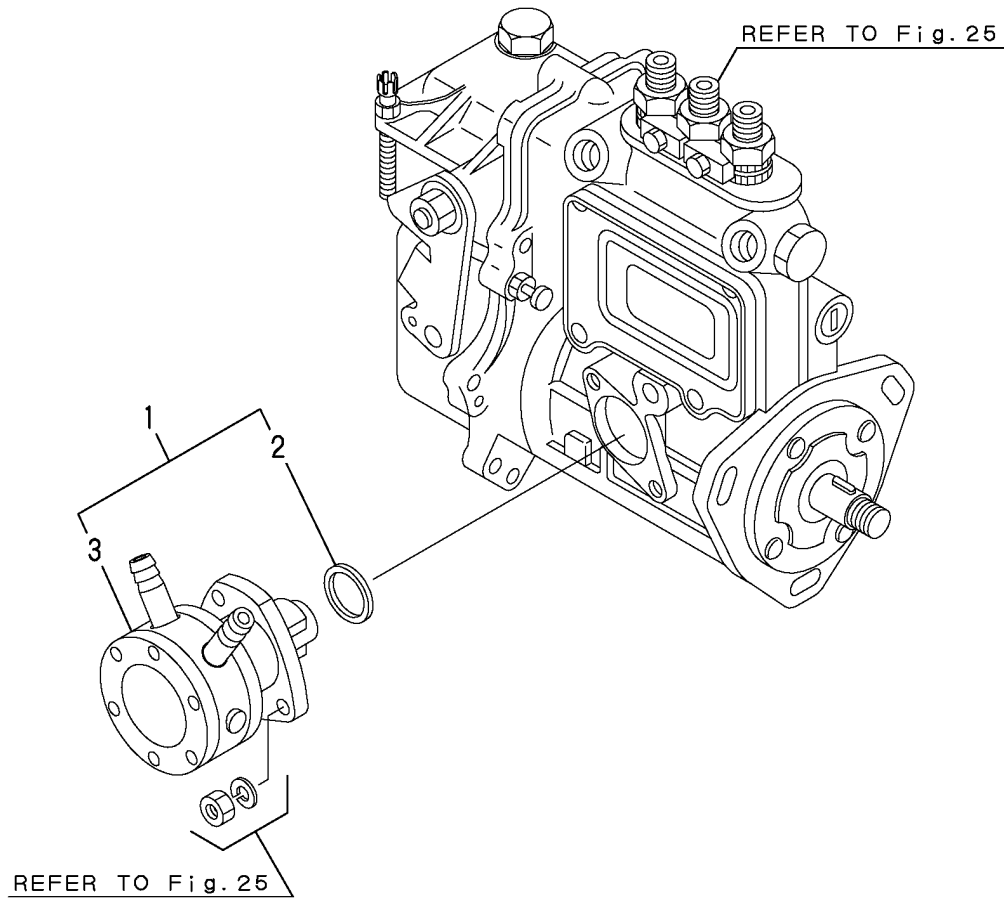
Fig.26. GOVERNOR

P/C NEWS No:Y00R5610-1
PUBLISHED:2003/9



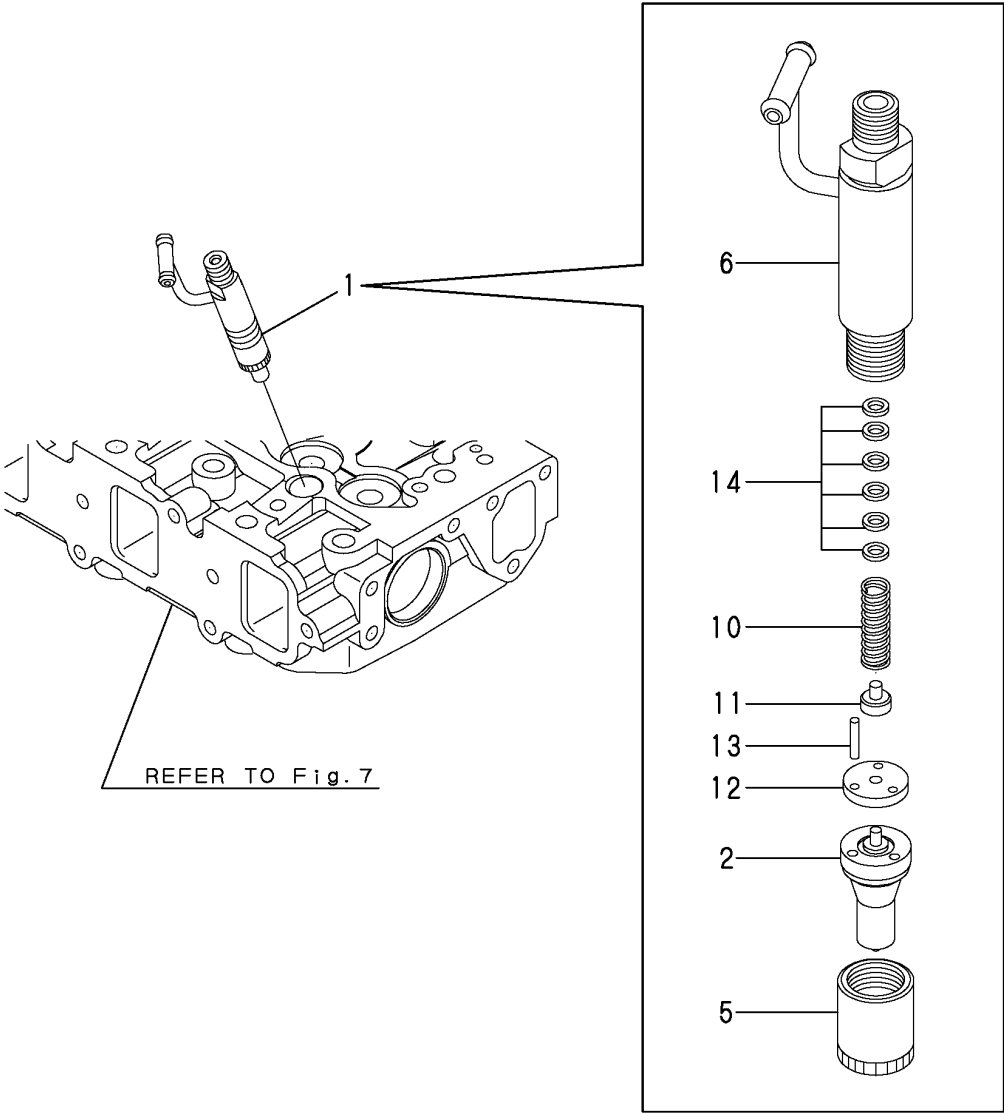
Remarks
(1)SELECTIVE PARTS:CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REFER TO ILLUSTRATION)
(2)SELECTIVE PARTS.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
89	1	129209-61940	CASE ASSY	1							
91	2	24311-000150	O-RING 1A P-15.0	1							
92	1	119285-66610	CAP, HIGH-IDLE	1							

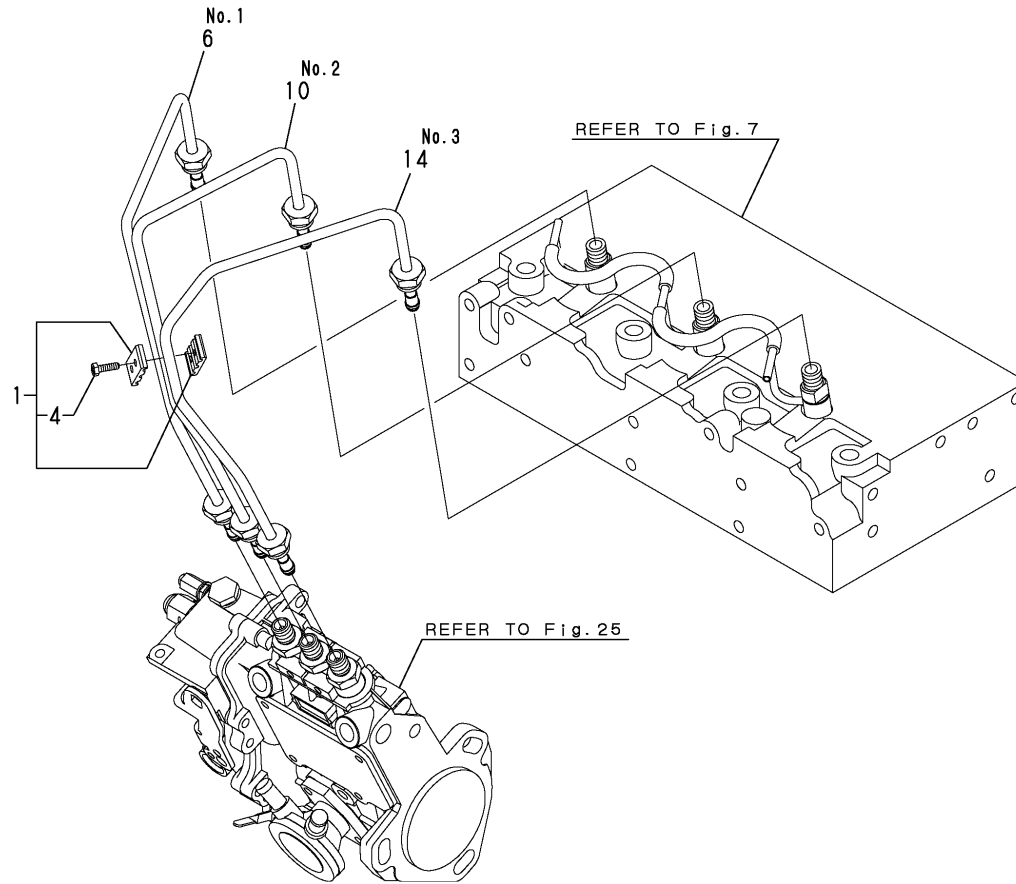


REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	129158-52000	FUEL PUMP ASSY	1							
2	3	129155-52051	GASKET	1							
3	3	129158-52100	FEED PUMP ASSY	1							

Fig.28. FUEL INJECTION VALVE



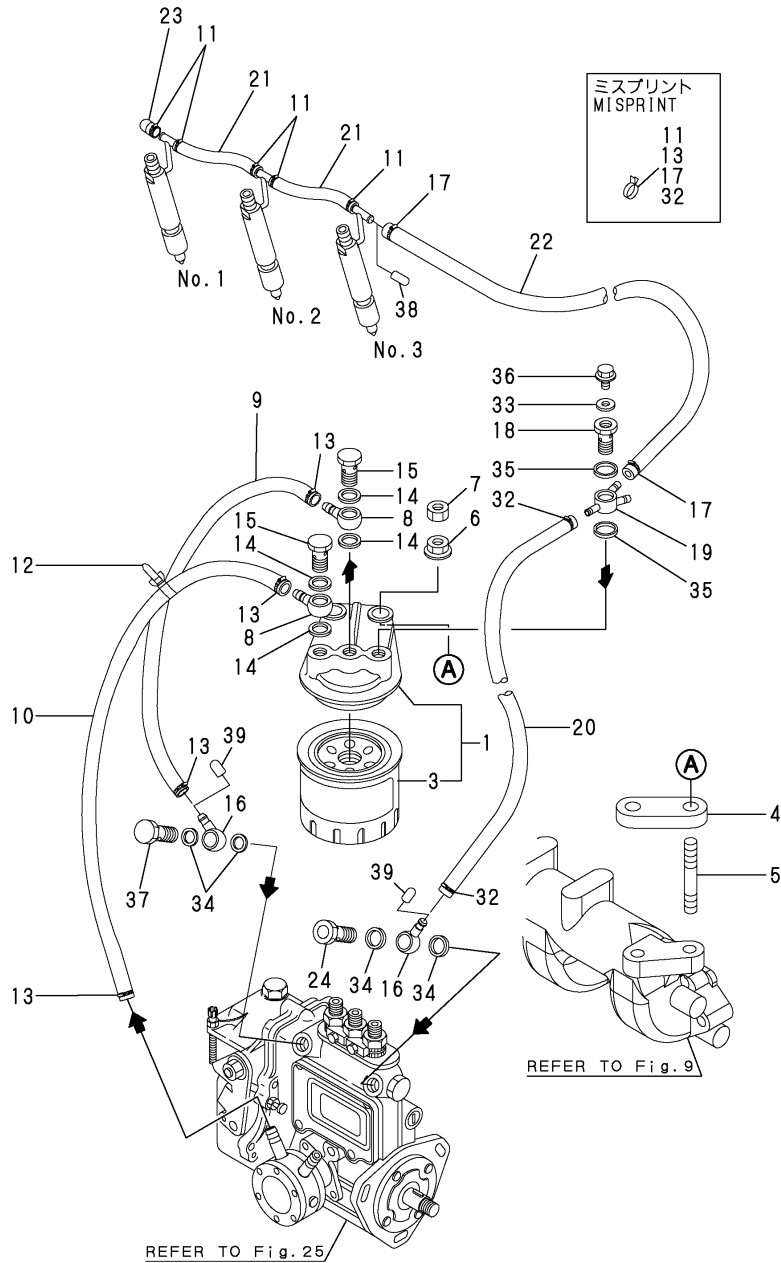
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729602-53101	VALVE ASSY, F.INJECT	3							
2	2	129602-53001	NOZZLE ASSY	3							
5	2	114250-53080	NUT, NOZZLE CASE	3							
6	2	119802-53100	HOLDER ASSY, NOZZLE	3							
10	2	114250-53120	SPRING, NOZZLE	3							
11	2	114250-53130	SEAT, NOZZLE SPRING	3							
12	2	114250-53140	PLATE, STOP	3							
13	2	114250-53210	PIN	6							
14	2	114250-53400	SHIM PACK	3							



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-59120	RETAINER, INJ. PIPE	1							
4	2	129150-59131	BOLT M4X14,HEX.SCKT.	2							
6	1	129271-59810	PIPE, FUEL INJECTION	1							
10	1	129271-59820	PIPE, FUEL INJECTION	1							
14	1	129271-59830	PIPE, FUEL INJECTION	1							

Fig.30. FUEL PIPE & FUEL STRAINER

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PUBLISHED:2003/9

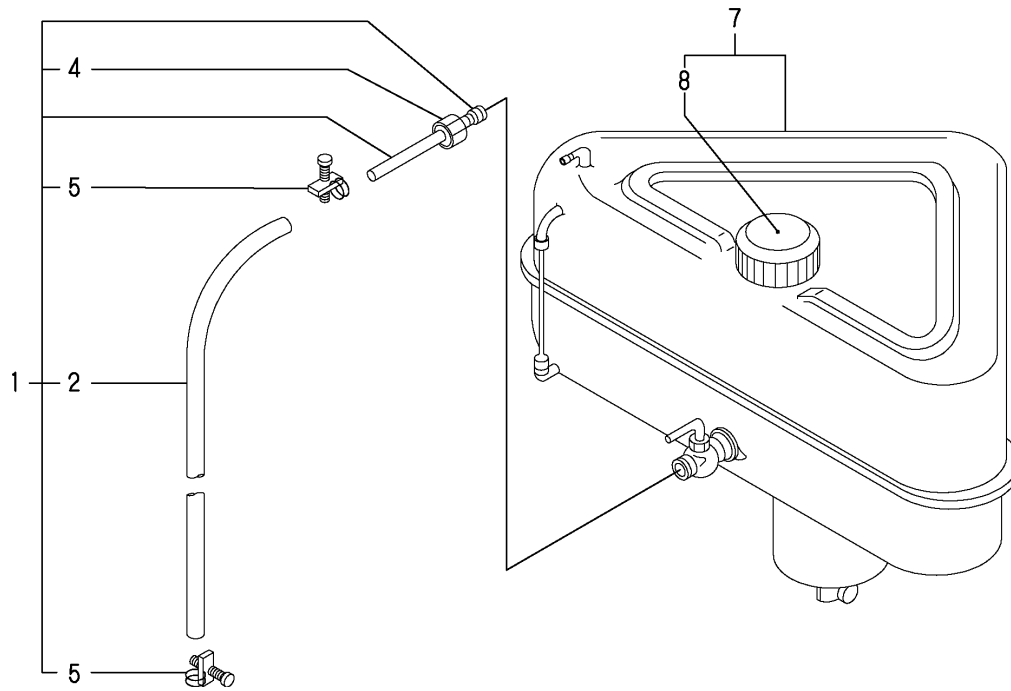


30. FUEL PIPE & FUEL STRAINER

(A)=3JH4E
(B)=
(C)=

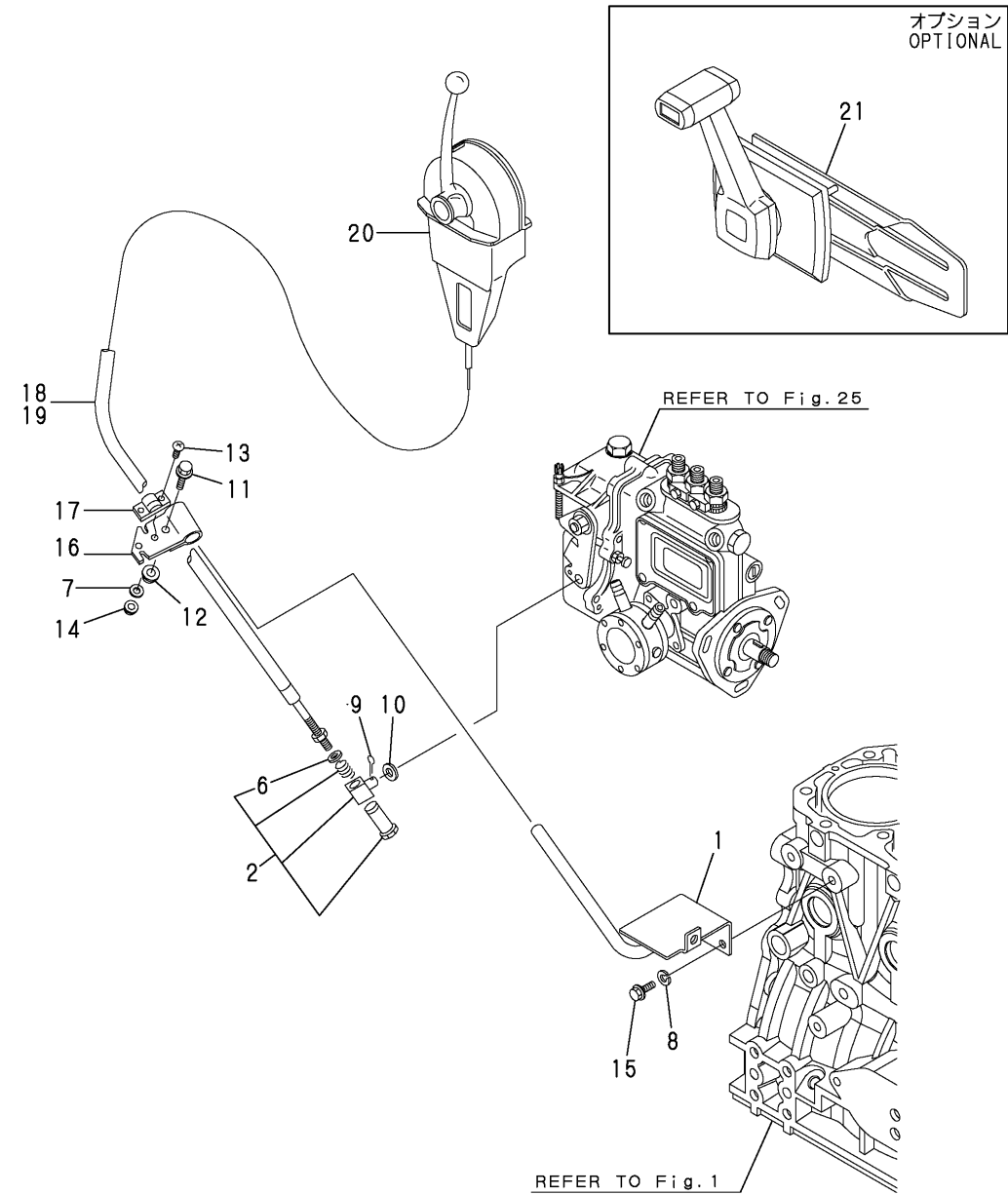
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129470-55601	STRAINER ASSY, FUEL	1							
3	2	129470-55701	STRAINER ASSY, FUEL	1							
4	1	119173-55700	RUBBER	1							
5	1	26216-100402	STUD M12X 40 PLATED	2							
6	1	26306-100002	NUT	2							
7	1	26716-100002	NUT 10	2							
8	1	101304-59020	JOINT 12, PIPE	2							
9	1	129470-59122	PIPE, FUEL OIL	1							
10	1	129570-59121	PIPE, FUEL OIL	1							
11	1	23000-013000	CLAMP 13	5							
12	1	121750-59890	CLAMP 140	1							
13	1	23000-016000	CLAMP 16	4							
14	1	22190-120002	SEAL WASHER 12	4							
15	1	23857-060000	JOINT BOLT 6,PIPE	2							
16	1	101304-59020	JOINT 12, PIPE	2							
17	1	23000-013000	CLAMP 13	2							
18	1	129495-59300	BOLT, PIPE JOINT	1							
19	1	129470-59530	JOINT,FUEL RETN.PIPE	1							
20	1	129470-59542	PIPE, FUEL OIL	1							
21	1	129270-59550	PIPE,FUEL OIL	2							
22	1	129470-59562	PIPE, FUEL OIL	1							
23	1	129270-59580	CAP	1							
24	1	129100-59951	VALVE ASSY, CHECK	1							
32	1	23000-016000	CLAMP 16	2							
33	1	22190-080002	SEAL WASHER 8S	1							
34	1	22190-120002	SEAL WASHER 12	4							
35	1	22190-140002	SEAL WASHER 14S	2							
36	1	26106-080102	BOLT M 8X 10 PLATED	1							
37	1	23857-060000	JOINT BOLT 6,PIPE	1							
38	1	129150-59580	CAP	1							
39	1	129461-59580	CAP (FO	2							



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124070-59060	PIPE, FUEL OIL	1							
2	2	124070-59130	PIPE, FUEL OIL	1							
4	2	138603-59380	CAP NUT	1							
5	2	23010-014000	CLAMP 14	2							
7	1	83213-003012	TANK (30L), FUEL	1							
8	2	105430-55041	CAP, FUEL TANK	1							

Fig.32. CABLE SUPPORT



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-67100	BRACKET, REMOTE-CONT	1							
2	1	129470-67200	RETAINER, JOINT	1							
6	2	22242-000100	CIRCLIP 10	1							
7	1	22217-050000	SPRING WASHER 5	2							
8	1	22217-080000	SPRING WASHER 8	2							
9	1	22414-250150	COTTER PIN 2.5X15	1							
10	1	23414-080000	GASKET 8, ROUND	1							
11	1	26106-080252	BOLT M 8X 25 PLATED	1							
12	1	26306-080002	NUT	1							
13	1	26557-050122	SCREW M 5X 12	2							
14	1	26716-050002	NUT M 5	2							
15	1	26106-080122	BOLT M 8X 12 PLATED	2							
16	1	41701-001720	BRACKET	1							
17	1	41710-000410	CLAMP	1							
18	1	41710-000380	CABLE L=4000	2							
19	1	129470-86500	CABLE,REMO-CON.(7M)	2							
20	1	41730-000681	MT-3 REMO-CON	1							
21	1	128170-86501	REMOCON HEAD (MN)	1							

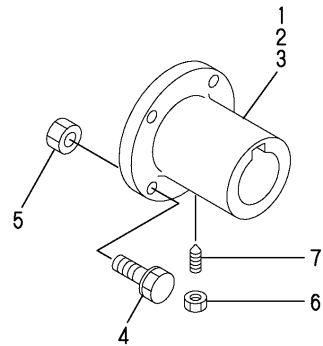
Fig.33. CLUTCH

				(A)=3JH4E (B)= (C)=	(D)= (E)= (F)=	Q'TY						I	R
REF.	LEV.	PARTS NO.	DESCRIPTION			(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129270-81120	CLUTCH, KM35P I=2.61			1							
2	1	129270-81110	CLUTCH, KM35P I=2.36			1							
3	1	129270-81170	CLUTCH, KM35A I=2.33			1							
4	1	129270-81180	CLUTCH, KM35A I=2.64			1							
5	1	128170-13600	STUD			2							
6	1	26106-080202	BOLT M 8X 20 PLATED			6							
7	1	26306-080002	NUT			2							

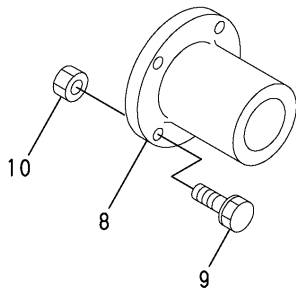
Remarks
THIS FIGURE ARE NOT ILLUSTRATED.

Fig.34. COUPLING(OPTIONAL)

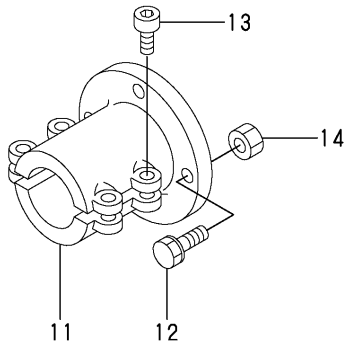
テーパカップリング
TAPER COUPLING



ストレートカップリング
STRAIGHT COUPLING



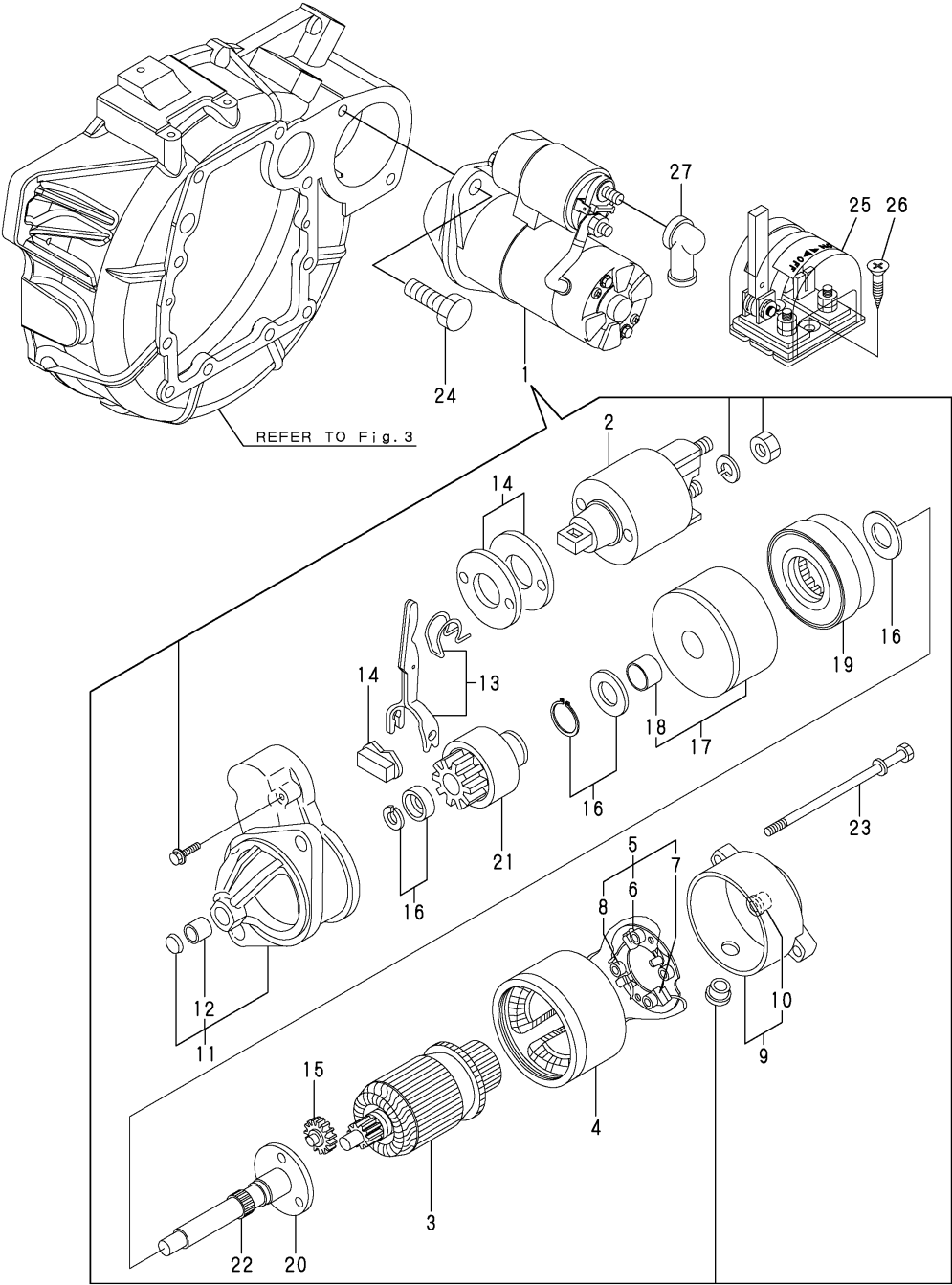
スリットカップリング
SLIT COUPLING



OCR10-G56100 34. COUPLING(OPTIONAL)

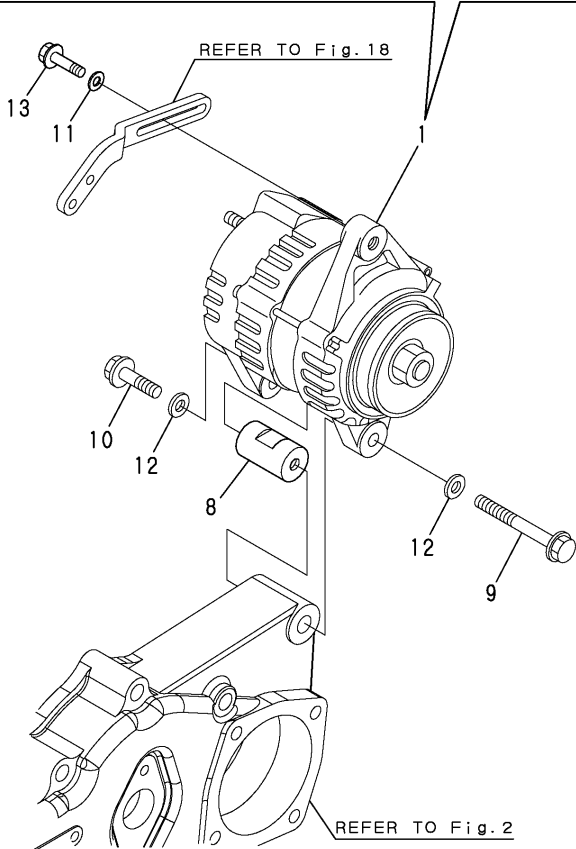
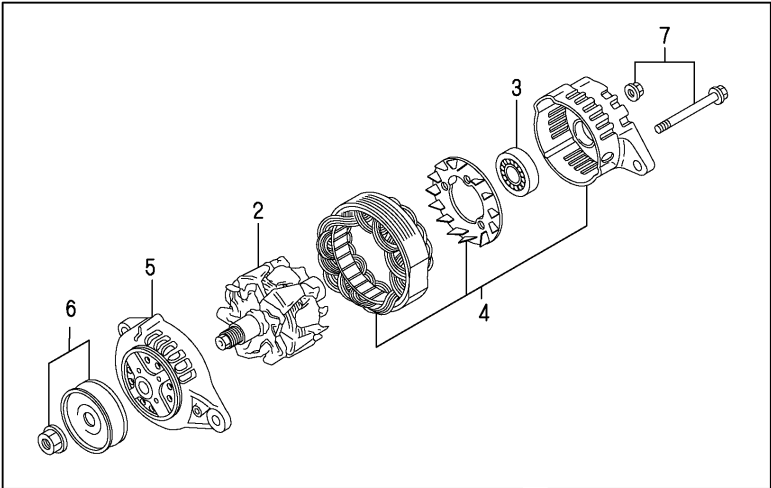
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	48110-032502	COUPLING,TAPER 30	1							
2	1	129171-85900	COUPLING,TAPER	1							
3	1	129670-85900	COUPLING,TAPER 34	1							
4	1	26106-100322	BOLT M10X 32 PLATED	4							
5	1	26706-100002	NUT M10	4							
6	1	26756-080002	LOCK NUT M 8 PLATED	1							
7	1	48110-032411	SCREW	1							
8	1	105583-85900	COUPLING 22	1							
9	1	26106-100322	BOLT M10X 32 PLATED	4							
10	1	26706-100002	NUT M10	4							
11	1	104214-83980	COUPLING (20), SLIT	1							
12	1	26106-100322	BOLT M10X 32 PLATED	4							
13	1	26450-080282	BOLT M 8X 28	4							
14	1	26706-100002	NUT M10	4							

Fig.35. STARTING MOTOR



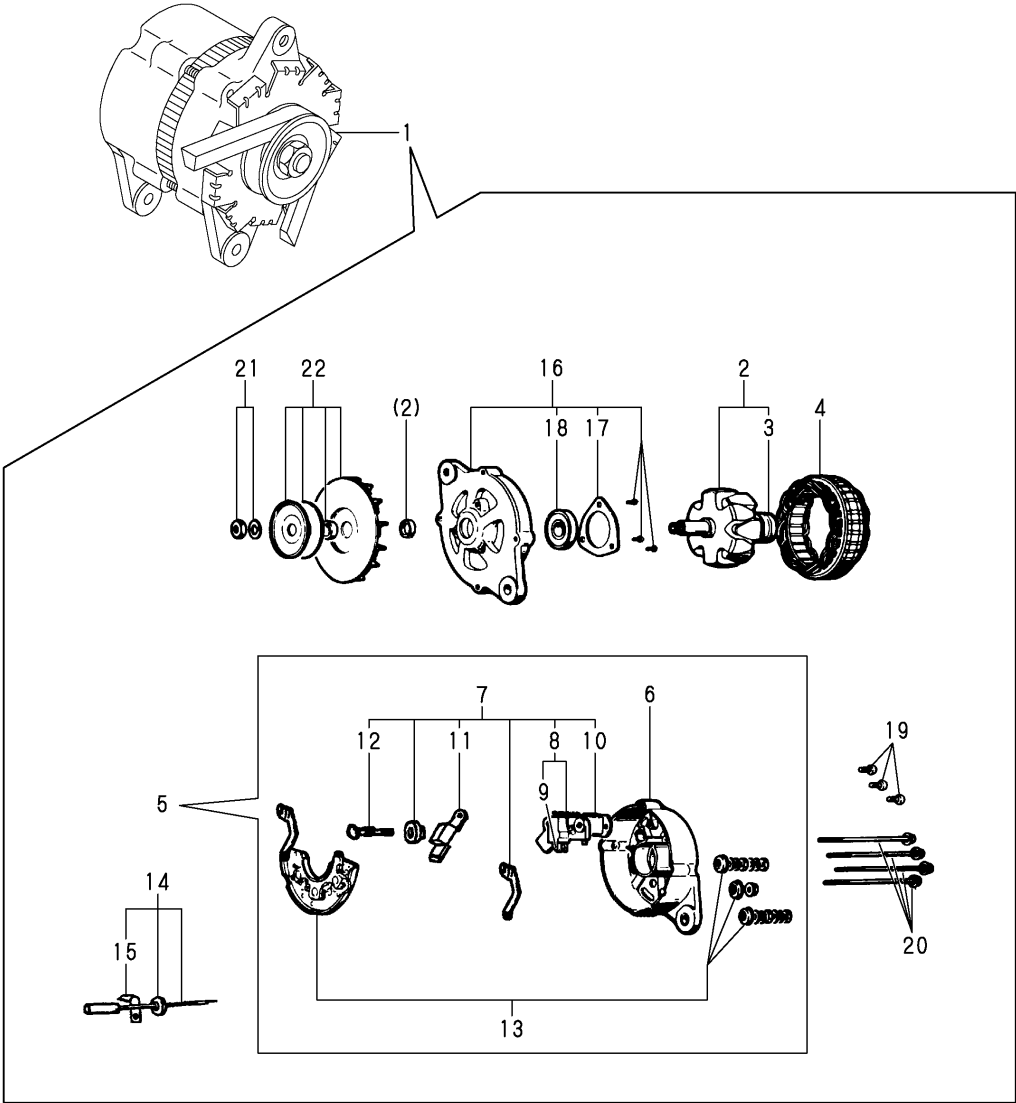
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129608-77010	STARTNG MOTOR	1							
2	2	129698-77020	MAGNETIC SWITCH ASSY	1							
3	2	129698-77101	ARMATURE ASSY	1							
4	2	129608-77110	YOKE ASSY	1							
5	2	129698-77120	HOLDER ASSY,BRUSH	1							
6	3	129698-77140	BRUSH(+) SET	1							
7	3	129698-77130	BRUSH (-)	2							
8	3	129698-77150	SPRING, BRUSH	4							
9	2	129698-77161	COVER ASSY, REAR	1							
10	3	129698-77170	REAR COVER METAL	1							
11	2	129698-77260	HOUSING ASSY, GEARS	1							
12	3	X2114535200	METAL, STARTER	1							
13	2	129698-77270	LEVER, SHIFT	1							
14	2	129698-77280	COVER ASSY, DUST	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	INTERNAL GEAR	1							
20	2	129698-77210	BRACKET	1							
21	2	129698-77220	PINION ASSY	1							
22	2	129698-77230	SHAFT(PINION	1							
23	2	124195-77770	THROUGH BOLT	2							
24	1	26116-120302	BOLT M12X 30 PLATED	2							
25	1	123310-77640	SWITCH, BATTERY	1							
26	1	22724-800380	SCREW 8X 38	2							
27	1	124550-77030	COVER, TERMINAL	1							

Fig.36. GENERATOR



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128271-77200	GENERATOR 12V-60A	1							
2	2	123900-77700	ROTOR ASSY	1							
3	2	129612-77710	BALL BEARING	1							
4	2	128271-77720	BRACKET(STATOR+REGUL	1							
5	2	123900-77730	FRONT BRACKET ASSY	1							
6	2	128271-77740	PULLEY	1							
7	2	128271-77750	SCREW KIT	1							
8	1	129670-77340	SPACER,GENERATOR	1							
9	1	129695-77370	BOLT 10X 75	1							
10	1	129695-77380	BOLT 10X 30	1							
11	1	22137-080000	WASHER 8, POLISHED	1							
12	1	22137-100000	WASHER 10,POLISHED	2							
13	1	26106-080252	BOLT M 8X 25 PLATED	1							

Fig.37. GENERATOR(80A/OPTIONAL)



(A)=3JH4E
(B)=
(C)=

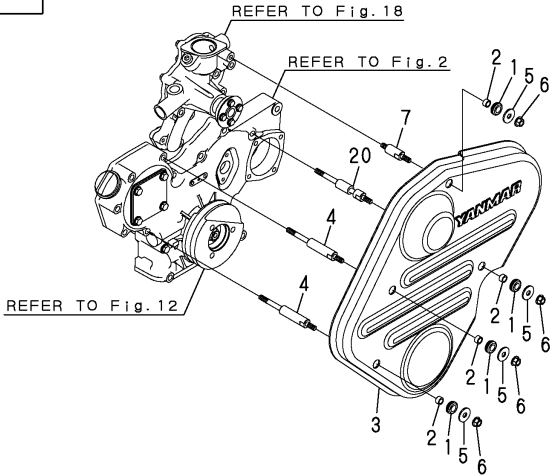
(D)=
(E)=
(F)=

REF.	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							1
9	4	XL225G1325	BRUSH SET	2							
10	4	124080-77390	REGULATOR ASSY	1							
11	4	XL225431800	CONDENSER	1							
12	4	124080-77520	BOLT M5	2							
13	3	XL1808320	DIODE ASY	1							
14	3	119129-77250	WIRE	1							
15	4	119129-77260	CLAMP,LEAD WIRE	1							
16	2	XL235340110	COVER ASSY, FRONT	1							
17	3	XL150M14041	RETAINER	1							
18	3	X6303BM0000	BALL BEARING	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							

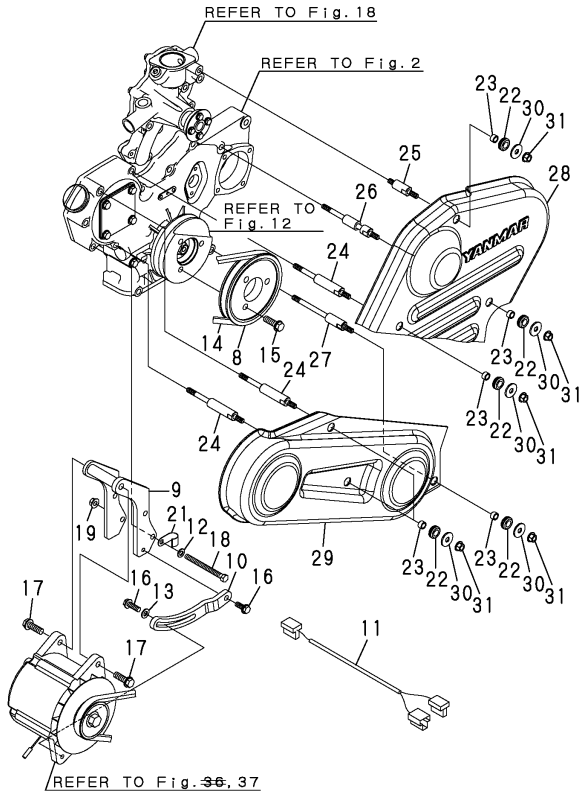
Remarks
(1)INC.9

Fig.38. V-BELT COVER & GENERATOR ATTACHMENT PART(OPTIONAL)

P/C NEWS No.:Y00R5610-2
PUBLISHED:2004/4



オプション
OPTIONAL

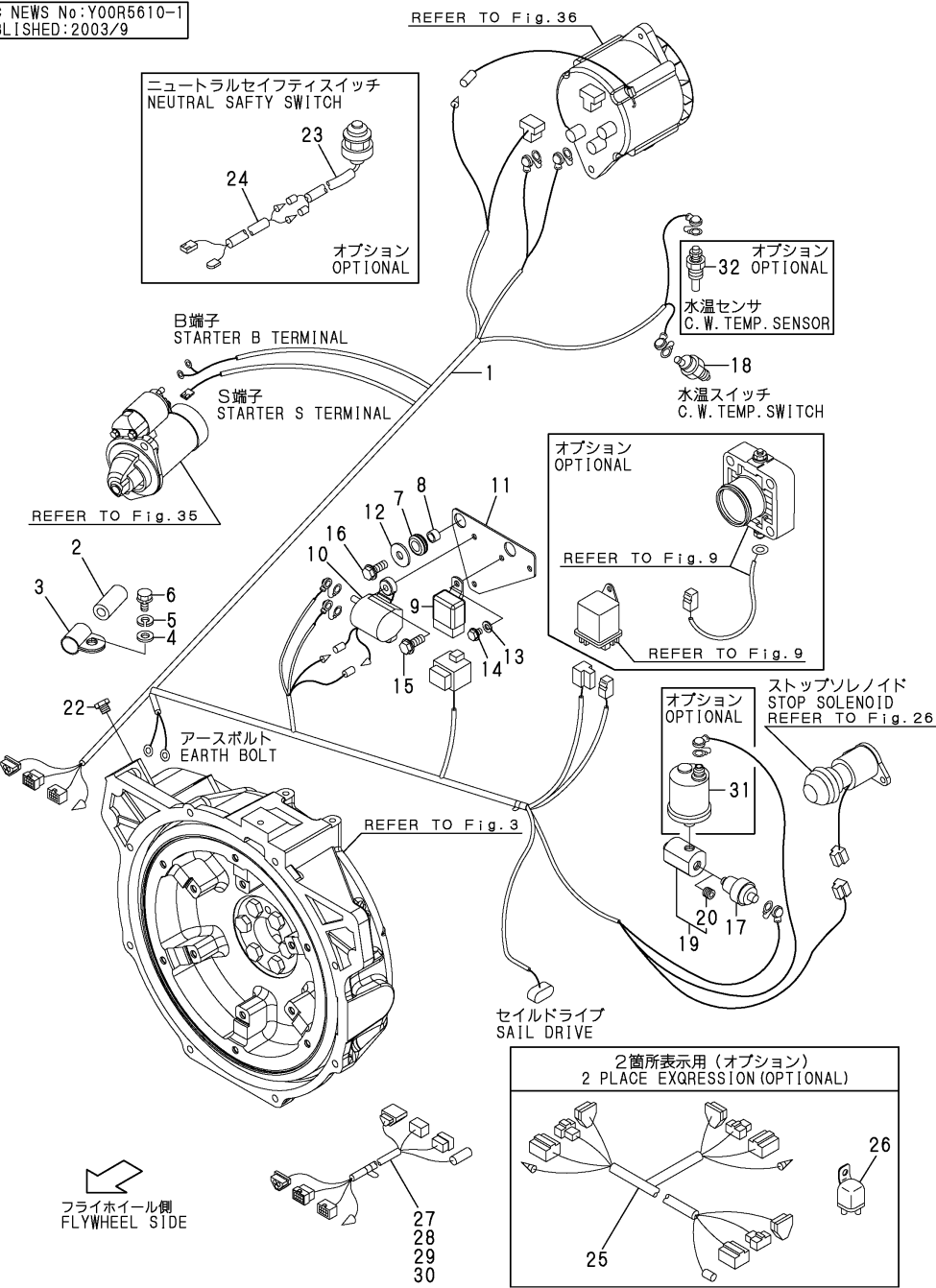


(A)=3JH4E
(B)=
(C)=
(D)=
(E)=
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	105100-55501	GROMMET	4							
2	1	105100-55540	COLLAR, FUEL TANK	4							
3	1	129271-77400	COVER,BELT	1							
4	1	129271-77410	BOLT,BELT COVER	3							
I 4-1	1	129271-77410	BOLT,BELT COVER	2							K
(A=E/#00395)											
5	1	22157-080000	WASHER 8	4							
6	1	26306-080002	NUT	4							
7	1	129271-77420	BOLT,BELT COVER	1							
8	1	129271-21350	V-PULLEY,FRONT DRIVE	1							
9	1	129271-77310	BRACKET,ALTERNATOR	1							
10	1	129271-77330	ADJUSTER,ALTERNATOR	1							
11	1	129271-77930	HARNES,ALTERNATOR	1							
12	1	22137-080000	WASHER 8, POLISHED	2							
13	1	22137-080000	WASHER 8, POLISHED	1							
14	1	25132-003800	V-BELT A-38	1							
15	1	26106-080252	BOLT M 8X 25 PLATED	4							
I 15-1	1	26106-100302	BOLT M10X 30 PLATED	3							N
(A=FROM 1ST)											
16	1	26106-080252	BOLT M 8X 25 PLATED	2							
17	1	26106-100302	BOLT M10X 30 PLATED	2							
18	1	26116-080904	BOLT M 8X 90 PLATED	2							
19	1	26306-080002	NUT	2							
I 20	1	129271-77430	BOLT,BELT COVER	1							W
(A=E/#00395)											
I 21	1	129150-03100	RETAINER	1							W
(A=FROM 1ST)											
I 22	1	105100-55501	GROMMET	6							W
(A=E/#00576)											
I 23	1	105100-55540	COLLAR, FUEL TANK	6							W
(A=E/#00576)											
I 24	1	129271-77410	BOLT,BELT COVER	3							W
(A=E/#00576)											
I 25	1	129271-77420	BOLT,BELT COVER	1							W
(A=E/#00576)											
I 26	1	129271-77430	BOLT,BELT COVER	1							W
(A=E/#00576)											
I 27	1	129271-77440	BOLT,BELT COVER	1							W
(A=E/#00576)											
I 28	1	129271-77500	COVER A,BELT	1							W
(A=E/#00576)											
I 30	1	22157-080000	WASHER 8	6							W
(A=E/#00576)											
I 31	1	26306-080002	NUT	6							W
(A=E/#00576)											

Fig.39. WIRE HARNESS & SENSOR

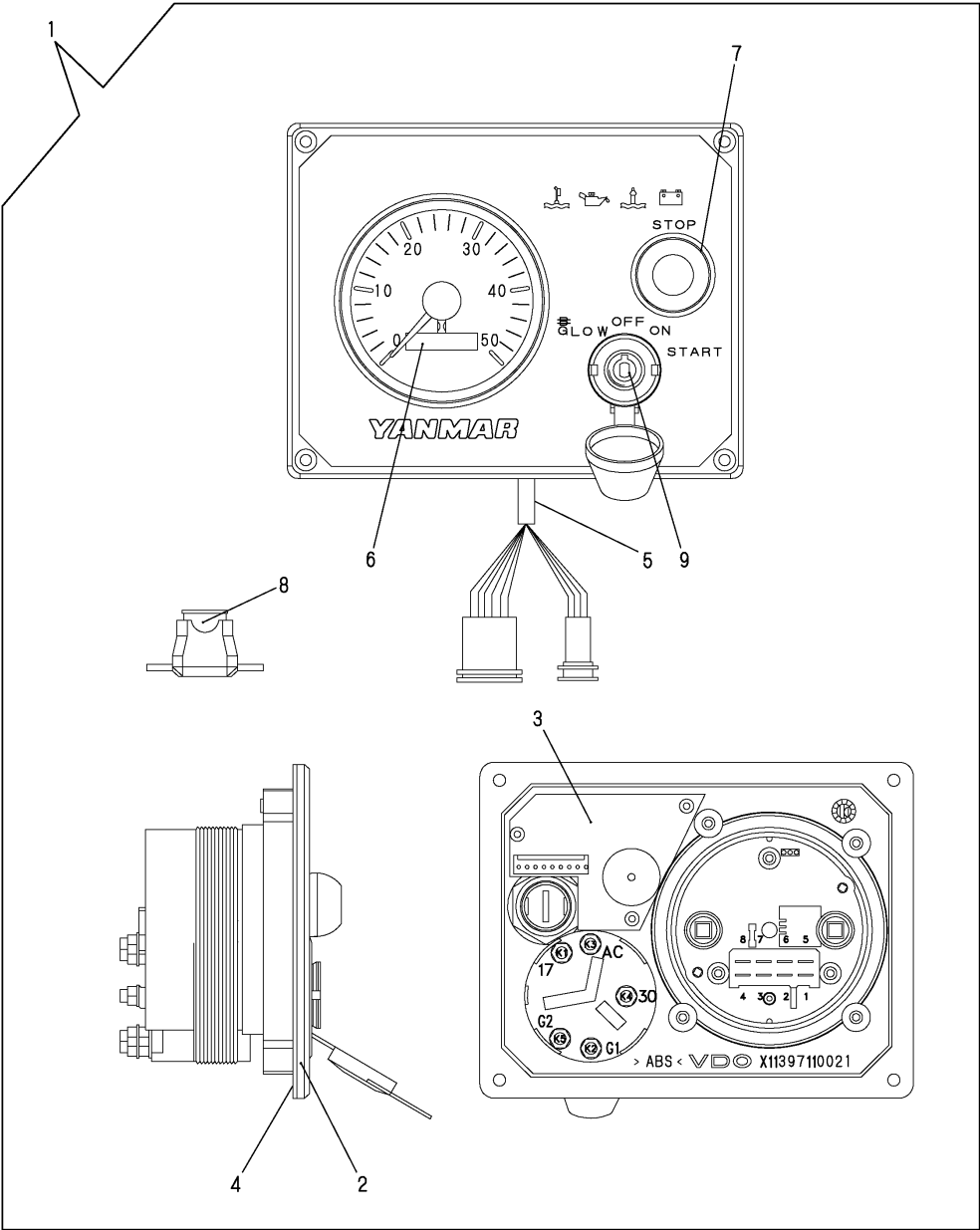
P/C NEWS No:Y00R5610-1
PUBLISHED:2003/9



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-77910	HARNESS, WIRE(ENG	1							
2	1	124770-77940	PROTECTOR	1							
I	2-1	129670-77940	PROTECTOR	1							R
(A=EXXX)											
3	1	124070-77950	CLAMP, WIRE	1							
4	1	22137-080000	WASHER 8, POLISHED	1							
5	1	22217-080000	SPRING WASHER 8	1							
6	1	26106-080162	BOLT M 8X 16 PLATED	1							
7	1	105100-55501	GROMMET	2							
8	1	105100-55540	COLLAR, FUEL TANK	2							
9	1	119247-77100	RELAY, SAFETY	1							
I	10	120270-77511	RELAY, MAGNETIC	1							Z
(A=EXXX)											
I	10-1	128990-77550	RELAY, MAGNET	1							N
(A=EXXX)											
11	1	129271-77960	BRACKET, RELAY	1							
12	1	22157-080000	WASHER 8	2							
13	1	22217-060000	SPRING WASHER 6	1							
14	1	26106-060082	BOLT M 6X 8 PLATED	1							
15	1	26106-060122	BOLT M 6X 12 PLATED	2							
16	1	26106-080202	BOLT M 8X 20 PLATED	2							
17	1	124060-39452	SENDER,OIL PRESSURE	1							
18	1	120130-91370	SWITCH, THERMO(100 C	1							
19	1	129670-39600	DAMPER CMP(R 1/8	1							
20	2	23875-010000	PLUG PT1/8	1							
22	1	23887-180002	PLUG 18	1							
23	1	120270-77101	SWITCH	1							
24	1	129570-77960	HARNESS, WIRE	1							
25	1	129574-77980	HARNESS.	1							
26	1	119773-91850	RELAY	1							
27	1	129574-77710	HARNESS, WIRE(4M)	1							
28	1	129574-77720	HARNESS, WIRE(6M)	1							
29	1	128391-77720	HARNESS, WIRE(6M)	1							
30	1	129574-77740	HARNESS,10M	1							
31	1	119773-91650	SEDA UNIT	1							
32	1	119773-91700	SEDA UNIT	1							

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

P/C NEWS No:Y00R5610-1
PUBLISHED:2003/9

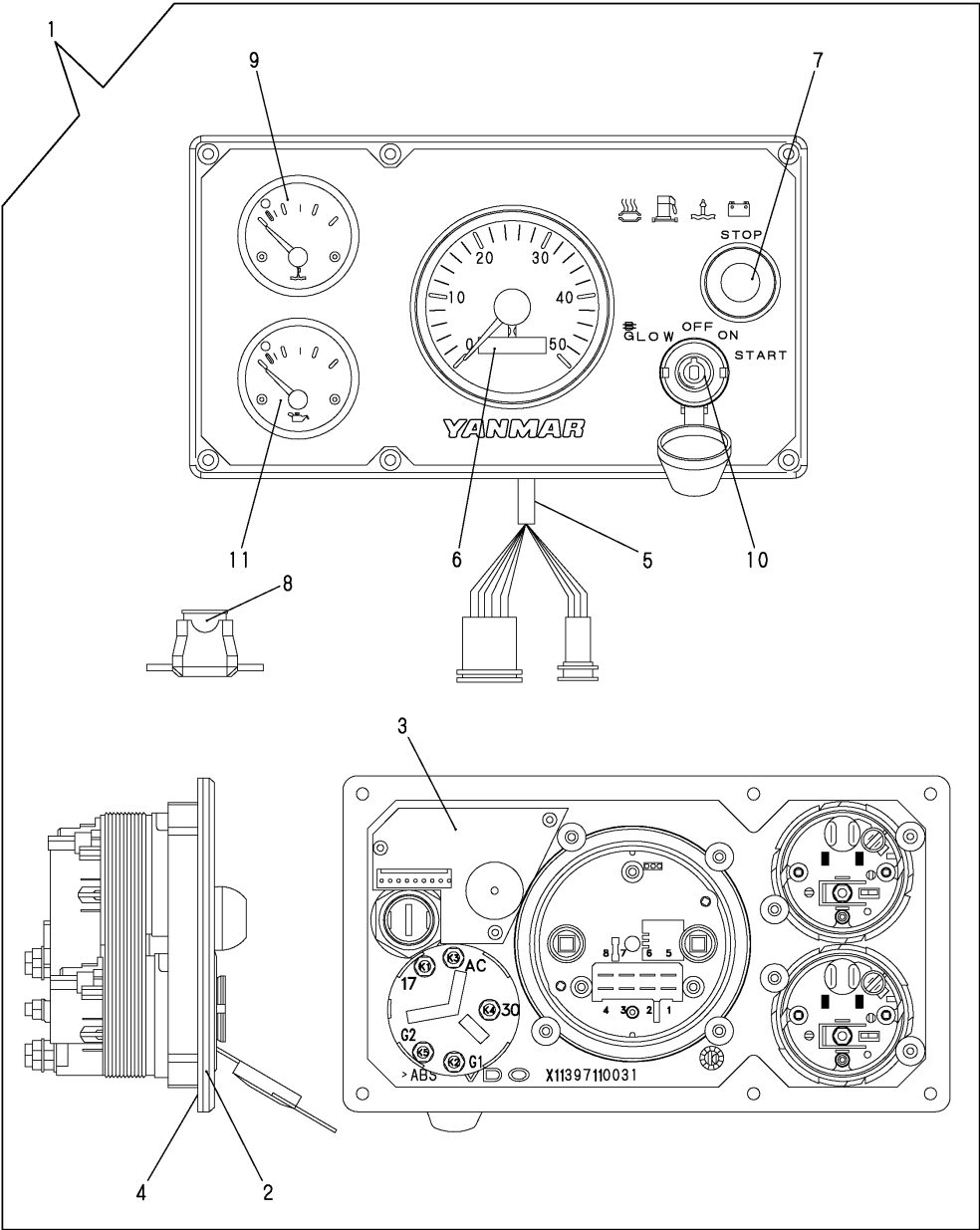


0CR10-G56100 40. INSTRUMENT PANEL(B-TYPE/OPTIONAL)

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-91110	PANEL, INSTRUMENT B	1							
2	2	129271-91120	PANEL WITH COVERFOIL	1							
3	2	129271-91130	CIRCUIT WITH LED&BZR	1							
4	2	129271-91140	RUBBER SEAL,B PANEL	1							
5	2	129271-91150	HARNESS,B PANEL	1							
6	2	129271-91210	TACHOMETER	1							
7	2	129271-91220	STOP SWITCH	1							
8	2	129271-91230	FUSE,PANEL (3A)	1							
9	2	127412-91250	SWITCH W/KEY	1							

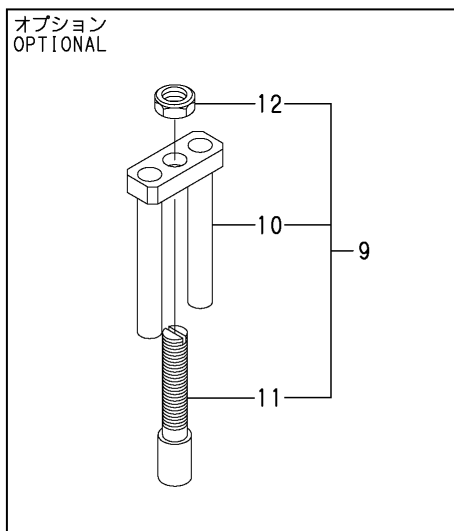
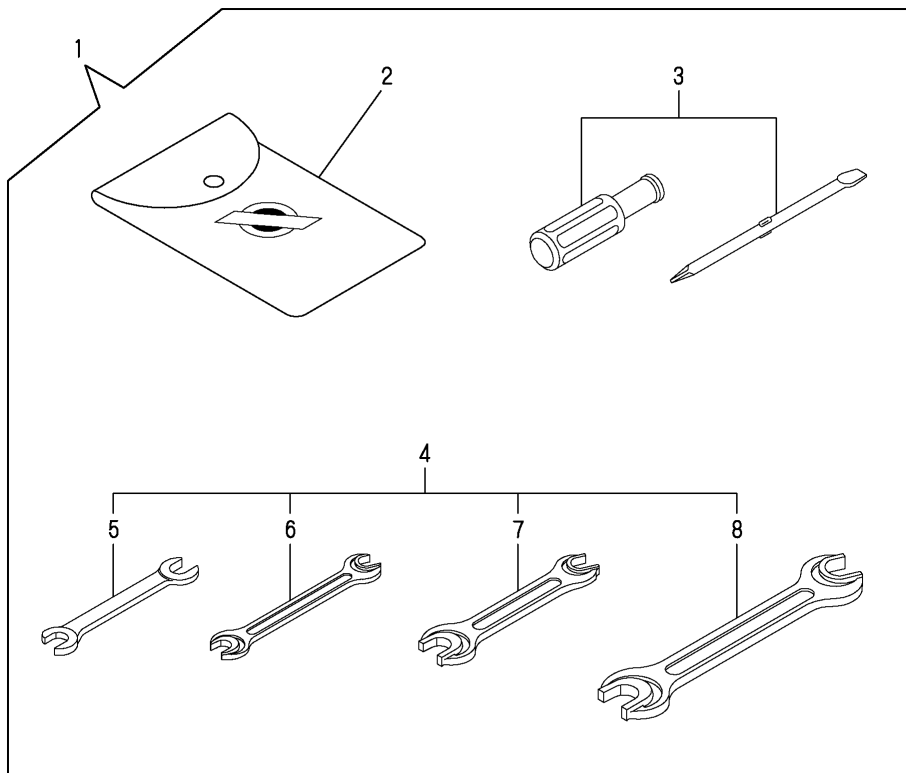
Fig.41. INSTRUMENT PANEL(C-TYPE/OPTIONAL)

P/C NEWS No:Y00R5610-1
PUBLISHED:2003/9



OCR10-G56100 41. INSTRUMENT PANEL(C-TYPE/OPTIONAL)

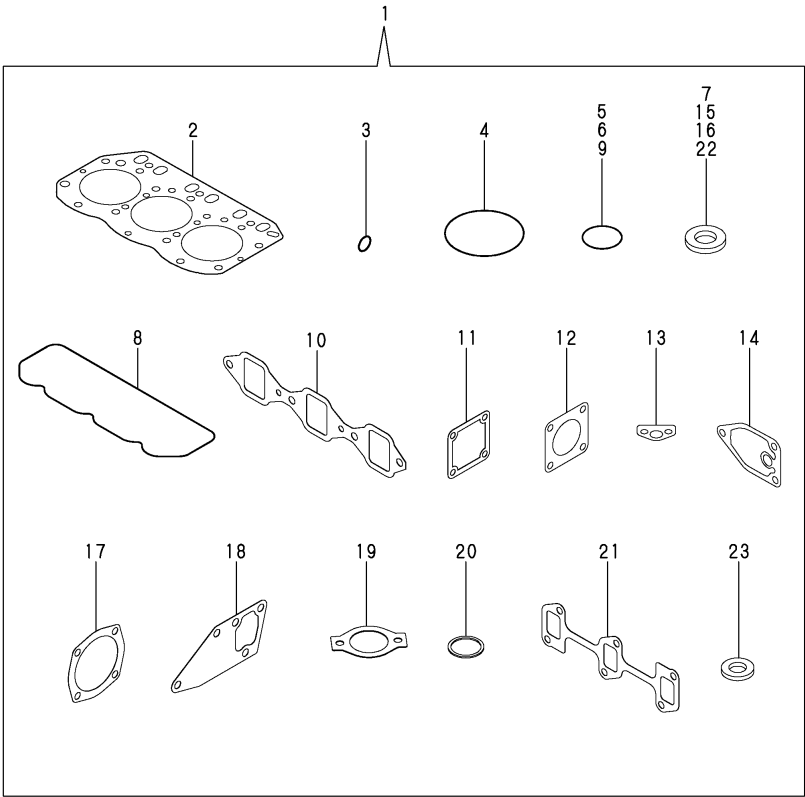
REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-91160	PANEL, INSTRUMENT C	1							
2	2	129271-91170	PANEL WITH COVERFOIL	1							
3	2	129271-91180	CIRCUIT WITH LED&BZR	1							
4	2	129271-91190	RUBBER SEAL,C PANEL	1							
5	2	129271-91200	HARNESS,C PANEL	1							
6	2	129271-91210	TACHOMETER	1							
7	2	129271-91220	STOP SWITCH	1							
8	2	129271-91230	FUSE,PANEL (3A)	1							
9	2	129271-91240	METER,WATER TEMP.	1							
10	2	127412-91250	SWITCH W/KEY	1							
11	2	129271-91250	METER, OIL PRESS.	1							



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129270-92100	TOOL BOX SET	1							
2	2	129270-92600	TOOL BAG	1							
3	2	129270-92650	DRIVER	1							
4	2	129270-92690	SPANNER SET	1							
5	3	129270-92610	SPANNER 10X13	1							
6	3	129270-92620	SPANNER 12X14	1							
7	3	129270-92630	SPANNER 17X19	1							
8	3	129270-92640	SPANNER 22X24	1							
9	1	129470-92300	TOOL ASSY.	1							
10	2	129470-92310	RETAINER(A,F.I.VALVE	1							
11	2	129470-92320	RETAINER(B,F.I.VALVE	1							
12	2	26716-120002	NUT 12	1							

Fig.43. GASKET SET(OPTIONAL)

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PUBLISHED : 2004/12

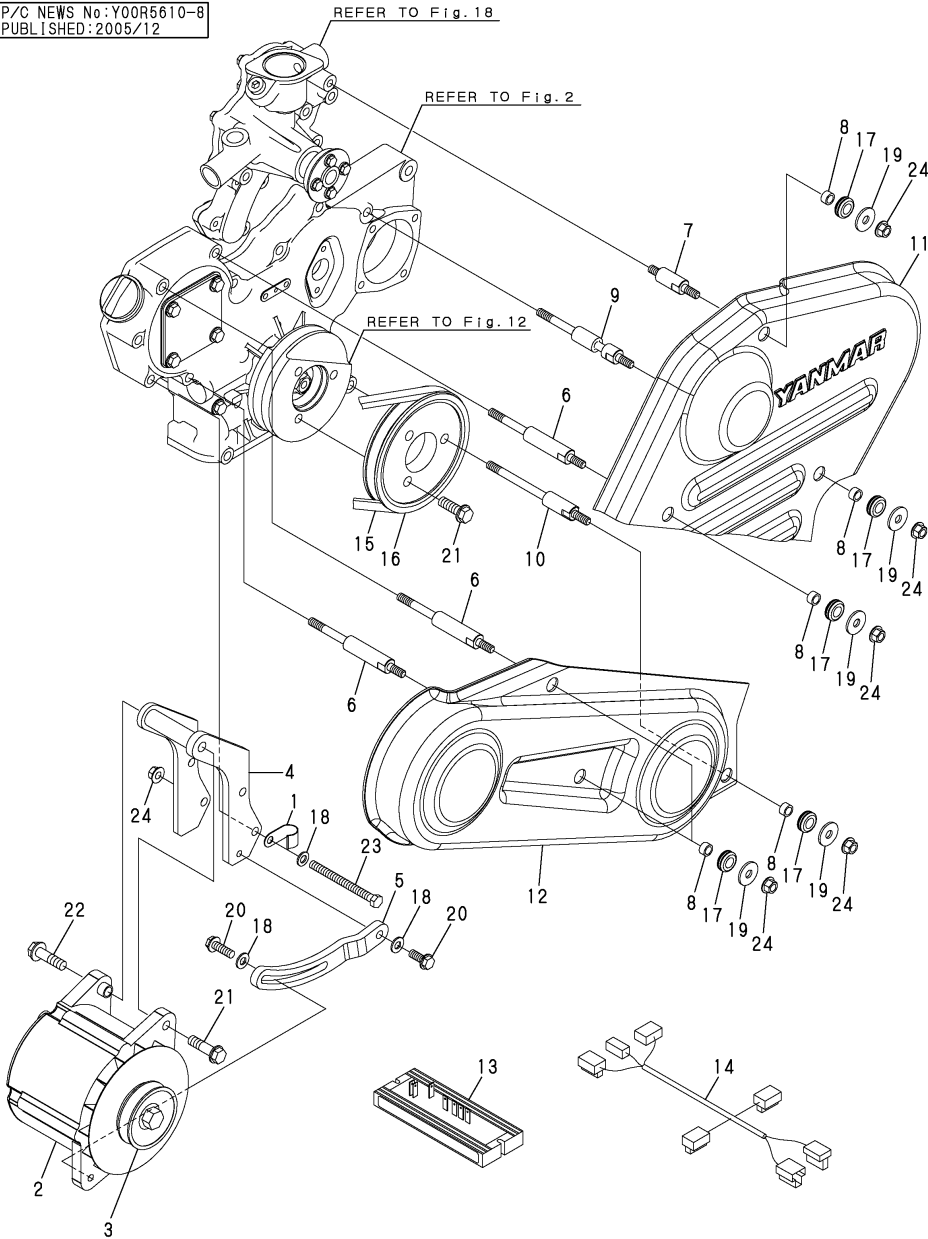


Remarks
THIS FIGURE IS NEWLY ADDED.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729271-92600	GASKET SET	1							
2	2	129001-01340	GASKET, (NON-ASB.)	1							
3	2	119609-32040	O-RING P16	4							
4	2	121850-51960	O-RING, F.I.PUMP	1							
5	2	24311-000320	O-RING 1A P-32.0	2							
6	2	24341-000240	O-RING 1A S-24.0	1							
7	2	22190-140002	SEAL WASHER 14S	4							
8	2	129004-11310	GASKET, BONNET	1							
9	2	24311-000120	O-RING 1A P 12.0	3							
10	2	129150-12111	GASKET, (NON-ASB.)	1							
11	2	129150-77511	GASKET, (NON-ASB.)	1							
12	2	129472-18090	GASKET	1							
13	2	129150-35042	GASKET, (NON-ASB.)	1							
14	2	129150-35111	GASKET, (NON-ASB.)	1							
15	2	22190-080002	SEAL WASHER 8S	3							
16	2	22190-100002	SEAL WASHER 10S	2							
17	2	129150-01881	GASKET, (NON ASB.)	2							
18	2	129486-42050	GASKET	1							
19	2	129795-49551	GASKET, (NON-ASB.)	1							
20	2	129470-49810	GASKET, (NON-ASB.)	1							
21	2	129150-13110	GASKET, EXH.MANIFOLD	1							
22	2	22190-120002	SEAL WASHER 12	8							
23	2	23414-080000	GASKET 8, ROUND	1							

Fig.44. GENERATOR(140A) & GENERATOR ATTACHMENT
PART(OPTIONAL)

P/C NEWS No:Y00R5610-8
PUBLISHED:2005/12



Remarks
THIS FIGURE IS NEWLY ADDED.

OCR10-G56100 44. GENERATOR(140A) & GENERATOR ATTACHMENT
PART(OPTIONAL)

(A)=3JH4E (D)=
(B)= (E)=
(C)= (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
I	1	1	129150-03100	RETAINER	1						
I	2	1	129271-77200	ALTERNATOR, 12V-140A	1						W
(A=*2005.12)											
I	3	1	129271-77210	PULLEY,ALTERNATOR	1						
I	4	1	129271-77310	BRACKET,ALTERNATOR	1						
I	5	1	129271-77330	ADJUSTER,ALTERNATOR	1						
I	6	1	129271-77410	BOLT,BELT COVER	3						
I	7	1	129271-77420	BOLT,BELT COVER	1						
I	8	1	128990-77430	COLLAR	6						
I	9	1	129271-77430	BOLT,BELT COVER	1						
I	10	1	129271-77440	BOLT,BELT COVER	1						
I	11	1	129271-77500	COVER A,BELT	1						
I	12	1	129271-77510	COVER B,BELT	1						
I	13	1	129271-77520	REGULATOR,ALTERNATOR	1						
I	14	1	129271-77530	WIREHARNES,REGULATO	1						
I	15	1	129271-77540	BELT,MULTI 4-GROOVE	1						
I	16	1	129271-77560	PULLEY,MULTI GROOVE	1						
I	17	1	128990-77610	GROMMET	6						
I	18	1	22137-080000	WASHER 8, POLISHED	3						
I	19	1	22157-080000	WASHER 8	6						
I	20	1	26106-080252	BOLT M 8X 25 PLATED	2						
I	21	1	26106-100352	BOLT M10X 35 PLATED	4						
I	22	1	26106-100402	BOLT M10X 40 PLATED	1						
I	23	1	26116-080904	BOLT M 8X 90 PLATED	2						
I	24	1	26306-080002	NUT	8						

Part Number Index

All parts are stipulated in the order of part numbers.

(Depending on the area in which the part is used.)

This index will display the location of the part according to each part number.

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119285-66610	26	92
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119573-77201	37	1
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119625-11880	7	32
119660-61901	26	61
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119802-32100	2	7
119802-32130	2	20
119802-35110	14	10
119802-53100	28	6
119865-21600	12	10
119908-61501	26	33
119940-59130	14	21
120130-11860	7	19
120130-91370	39	18
120270-54410	7	34
120270-77101	39	23
120270-77511	39	10
120322-33050	19	9
120323-61470	26	81
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121111-21501	12	7
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121450-01560	16	24
	17	28
121550-23200	13	13
121750-59890	8	19
	30	12
121850-21680	12	13
121850-51960	2	21
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122710-51050	25	6
122710-51090	25	9
123310-77640	35	25
123325-49421	10	7
	16	18 -1
123682-07852	6	4
123900-77700	36	2
123900-77730	36	5
124060-01050	1	5
124060-39452	39	17
124070-59060	31	1
124070-59130	31	2
124070-77950	39	3
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124950-51190	25	16
124976-34850	1	31
127412-91250	40	9
	41	10
128170-13600	19	18
	33	5
128170-86501	32	21
128271-77200	36	1
128271-77720	36	4
128271-77740	36	6
128271-77750	36	7
128377-07150	6	1
128377-07190	6	6
128377-07260	6	2
128377-07350	6	3
128377-07400	6	7
128377-07420	6	8
128377-07450	6	9
128377-07460	6	10
128377-08350	4	8
128391-77720	39	29
128397-44500	19	24
128397-44510	19	26
128990-77430	44	8
128990-77550	39	10 -1
128990-77610	44	17
128990-77910	9	18
129001-01250	1	6
129001-01340	1	33
	43	2
129001-02930	1	25
129001-32330	2	11
129001-91841	2	22
129004-01520	2	12
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129004-11650	7	10
129004-11900	7	33
129004-21001	12	1
129005-21650	12	11
129005-22080	13	1
129005-22500	13	3
129005-22900	13	19
129005-22950	13	21
129006-35100	14	9
129006-44480	14	14
129052-42050	18	3
129052-42310	18	4
129052-61051	26	5
129052-61060	26	6
129052-61071	26	7
129052-61390	26	18
129054-42320	18	2
129100-01580	3	1
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129100-11110	7	25
129100-23910	13	16
129100-51570	25	49
129100-59951	30	24
129100-61400	26	19
129100-61440	26	80
129100-77510	9	17
129120-77501	9	16
129129-14580	11	3
129150-01200	1	32
129150-01881	16	22
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129150-11810	7	21
129150-12111	9	2
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129150-13110	19	17
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129150-14101	11	7
129150-14200	11	1
129150-14400	11	2
129150-23600	13	14
129150-23610	13	17
129150-25301	25	76
129150-25931	25	75
129150-35042	14	5
	43	13
129150-35091	14	1
129150-35111	14	12
	43	14
129150-42129	18	7
129150-42300	18	6
129150-59120	29	1
129150-59131	29	4
129150-59580	30	38
129150-77511	9	6
	43	11
129155-51020	25	4
129155-51140	25	13
129155-51180	25	15
129155-51200	25	17
129155-51270	25	24
129155-51280	25	25
	26	2
129155-51380	25	34
129155-51390	25	35
129155-51400	25	36
129155-51410	25	37
129155-51420	25	38
129155-51450	25	39
129155-51500	25	44
129155-51521	25	45
129155-51530	25	46
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