



# PARTS CATALOG

Published

2009/9 (Sep.)

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0CR10-G56900

# Introduction

1. This parts catalog is a first edition of the 4JH4E Diesel engine.

	Parts catalog No.	Date of issue	Remarks
First edition	000Y00R5690	Jan., 2004	

2. This parts catalog does not covers the reduction reverser and outdrive.  
Please refer to the separate parts catalog, (NO. 000Y00F5971 KM35P KM35A2 or 000Y00R3001 KM4A1 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	4JH4E									
Type	4-stroke, vertical, water-cooled, diesel engine									
No. of cylinder - Bore(mm) x Stroke(mm)	4 - 88 x 90									
Continuous rating kW/min <sup>-1</sup>	36.8/2907									
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		KM35A2		KM4A1				SD40	
Reduction ratio	2.36	2.61	2.33	2.64	1.47	2.14	2.63	3.30	—	

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.

## How to read this Parts Catalog.

1. Parts mentioned in Parts Catalog may not necessarily be standard equipping parts
2. Parts change may be made without prior notice.
3. Form of this Parts Catalog.

Y00F2161 29. FUEL INJECTION PUMP (W/BOOST)											
① REF.	② LEV.	PARTS No.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1		729595-51390	FUEL INJECTION PUMP	1	1	1	1	1			
1-1		729595-51391	FUEL INJECTION PUMP	1	1	1	1	1		N	1
		(A=E00185) (B=E00200)									
3		26022-060162	SCREW M 6X16	9	9	9	9	9			
I 3-1		26022-060162	SCREW M 6X16	4	4	4	4	4			K
		(A=E00156) (B=E00156) (C=E00156) (D=E00156) (E=E00156)									
4		129470-51040	CAMSHFT	9	9	9	9	9			
5		122710-51050	BEARING. ROLLER	9	9	9	9	9			
6		129470-51060	RETAINER	9	9	9	9	9			

Remarks

(1) BOOST COMPENSATOR TYPE. OPTIONAL PART. TO E#00155 (4JH-DT, 4JH-DTZ)

### ① Ref. No,

The Ref. No, in the list may not be in accordance with the Ref. No, on illustration.

(Ex.) illustration No, List heed No,  
 1 1 (Before change) → 1-1 (After change)

When interchangeable symbol N, and k, illustrations for the new parts are sometimes omitted.

### ② Lev. (Level)

Indication and Meaning of Level

Level Hereunder is given the relation among the number of number (1,2,3) the level and the nominal parent-child relationship.

1 ---- Parent parts (Assembly parts)

2 ---- Child parts included in " 1 " (Semi-Assembly parts, component parts of Assembly parts.)

3 ---- Child parts included in " 2 ", Grand-child parts in terms of " 1 ".

(Component parts of Semi-Assembly parts.)

Note) A parts of non-sale parts are illustrated but not listed.

### ③ Change Mark

Change Mark " I " is given to the part for which a design change was made at this time.

The design change was not shown in the last published Parts Catalog.

### ④ Interchangeability Mark

In the case where a part change took place, one of the following interchangeability marks is indicated for that part

Symbol	Interchangeability	Contents note
N	Old ←  → New	New Part is interchangeable for Old Part but not interchangeable conversely.
Q	Old ←  → New	New Part is not interchangeable for Old Part but interchangeable conversely.
R	Old ←  → New	New Part is interchangeable for Old Part and vice versa.
S	Old ←  → New	New Part is not interchangeable for Old Part and vice versa.
W		Part newly added.
Z		Part discontinued.
F		Not interchangeable single part but interchangeable by set of the related parts.
K		Changed only in quantity used.

### ⑤ Effective Machine No,

When a part is changed, Effective Machine No, of a Model for which the part is applicable is indication

In each column of (A)-(F).

Product Symbol	Product No,	Product Symbol	Product No,
C	Clutch No, Compressor No,	M	Machine No,
D	Drive No,	T	Tractor No,
E	Engine No,	Note 1)※	Date

Note 1) Date may follow the symbol in some cases.(Ex.) ※1996.01

Note 2) As far as engine models shown by " XXX " are concerned, the modification of the parts could not be Predicted or the engine models themselves could not be identified.

Note 3) (A=E/#00185) means that the design change on the part has been effective for the model at the, column (A) (in the case, for 4JH-DT) on and from E#(Engine Serial Number) 00185

### ⑥ Remarks Mark

Figures or alphabets (Symbols) are entered in the remark column.

The comments (remarks) on the pertinent parts are indicated in the lower part of the list by the same symbols a those stated above.

# CONTENTS

MODEL : 4JH4E  
PC NO : 0CR10-G56900

Fig.No. GROUP NAME

4JH4E

1. CYLINDER BLOCK
2. GEAR HOUSING
3. FLYWHEEL HOUSING
4. MOUNTING FOOT
5. LUB.OIL SUMP
6. LABEL
7. CYLINDER HEAD
8. BONNET
9. SUCTION MANIFOLD
10. MIXING ELBOW
11. CAMSHAFT & DRIVING GEAR
12. CRANKSHAFT & FLYWHEEL
13. PISTON & CONNECTING ROD
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 SEA WATER PIPE(OPTIONAL)
22. COOLING FRESH WATER PIPE
23. C.S.W.STRAINER(OPTIONAL)
24. BILGE PUMP(STD/OPTIONAL)
25. BILGE PUMP(DX/OPTIONAL)
26. FUEL INJECTION PUMP
27. GOVERNOR
28. FUEL FEED PUMP
29. FUEL INJECTION VALVE

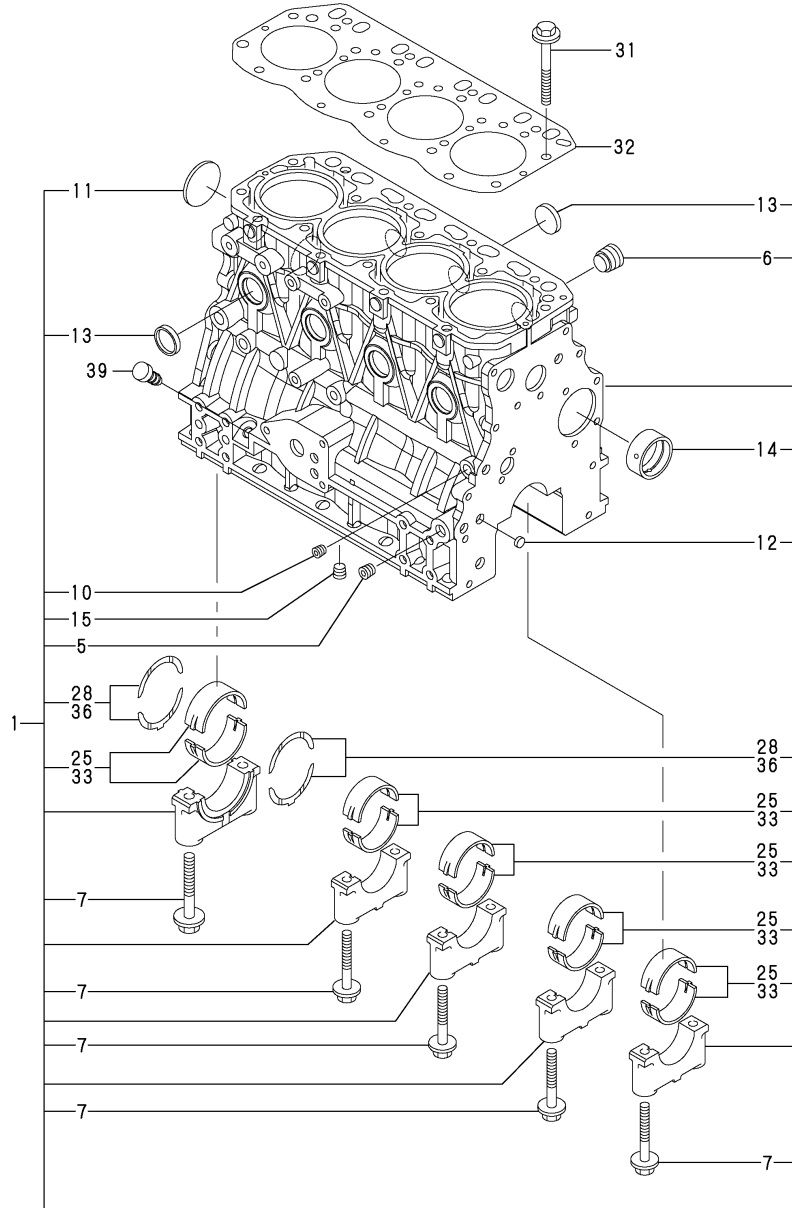
Fig.No. GROUP NAME

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

Fig.1. CYLINDER BLOCK

(A)=4JH4E  
(B)=  
(C)=

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

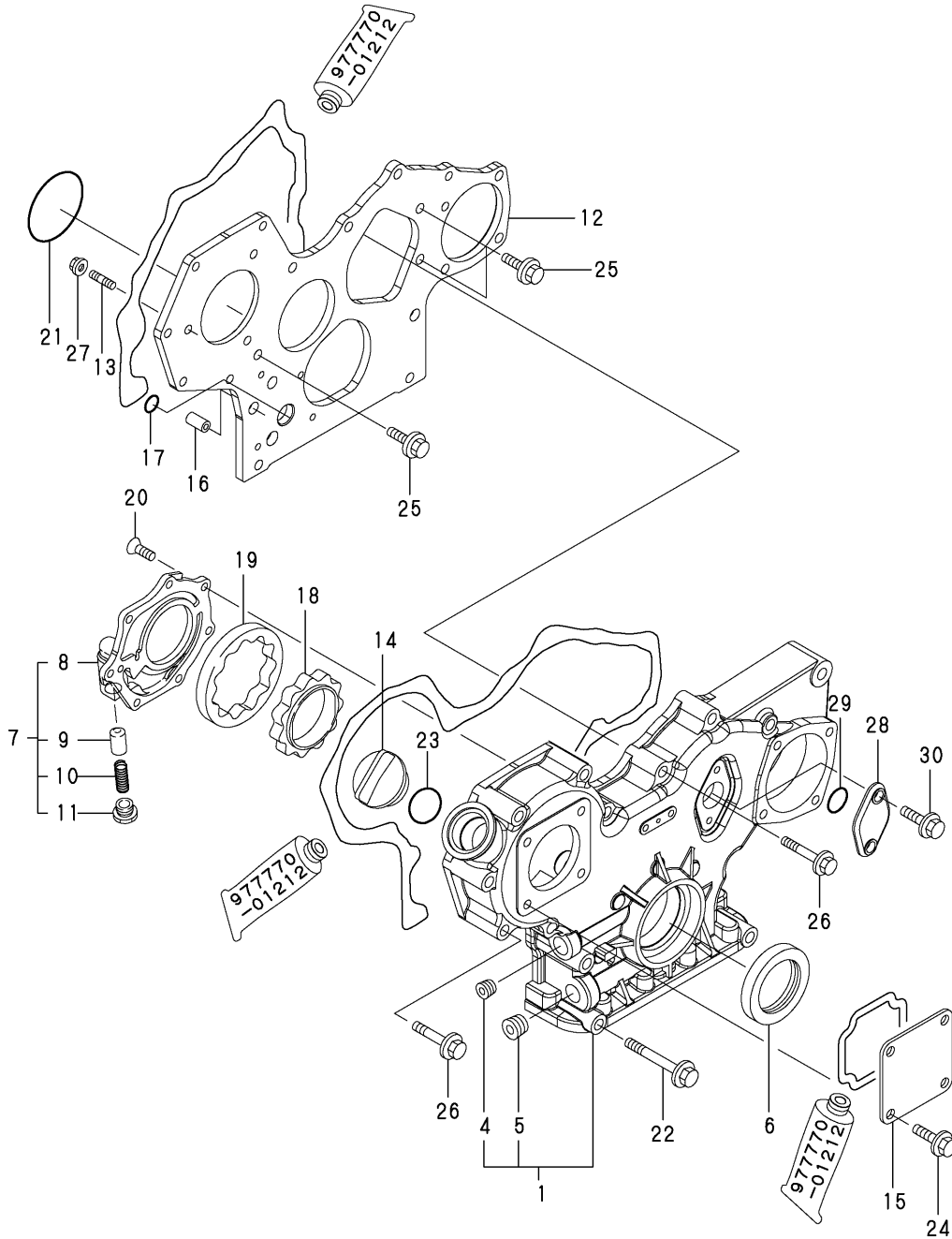


REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729602-01560	BLOCK ASSY, CYLINDER	1							
5	3	124160-01910	PLUG PT1/4	2							
6	3	171051-01921	PLUG	1							
7	3	129150-02020	BOLT, METAL CAP	10							
10	3	124060-01050	PLUG PT1/8	1							
11	3	129001-01250	PLUG 50	1							
12	3	27241-120000	PLUG 12	2							
13	3	27241-300000	PLUG 30	8							
14	3	129795-02411	BUSH, CAMSHAFT	1							
15	3	124160-01910	PLUG PT1/4	1							
25	2	129001-02930	MAIN BEARING SET	5							3
28	2	129150-02930	METAL, THRUST	2							
31	1	129150-01200	STUD, CYL. HEAD	18							
32	1	129407-01340	GASKET,CYL.HEAD	1							
33	1	129150-02870	MAIN METAL US=0.25	5							1
36	1	129150-02940	METAL,THRUST.25(4PIE	1							2
39	1	124976-34850	CAP	1							

Remarks

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

Fig.2. GEAR HOUSING



(A)=4JH4E

(B)=

(C)=

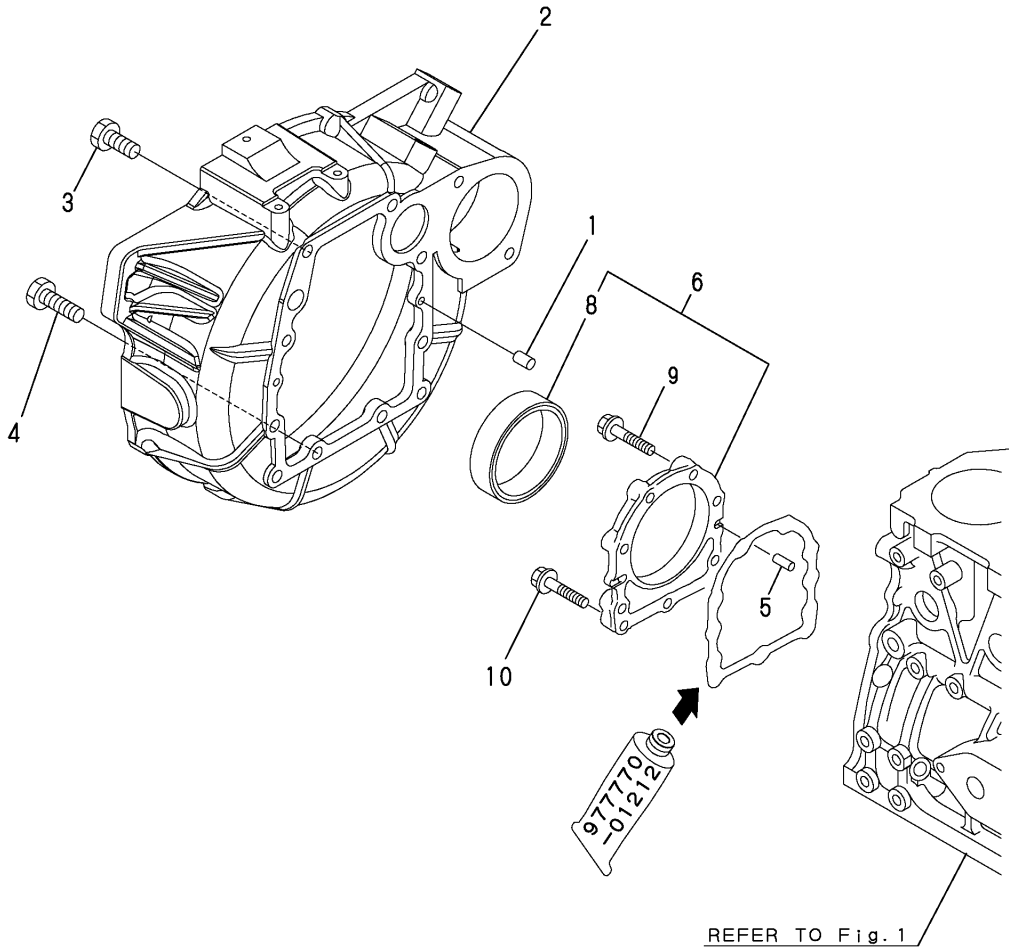
(D)=

(E)=

(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						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



(A)=4JH4E  
(B)=  
(C)=

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

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								

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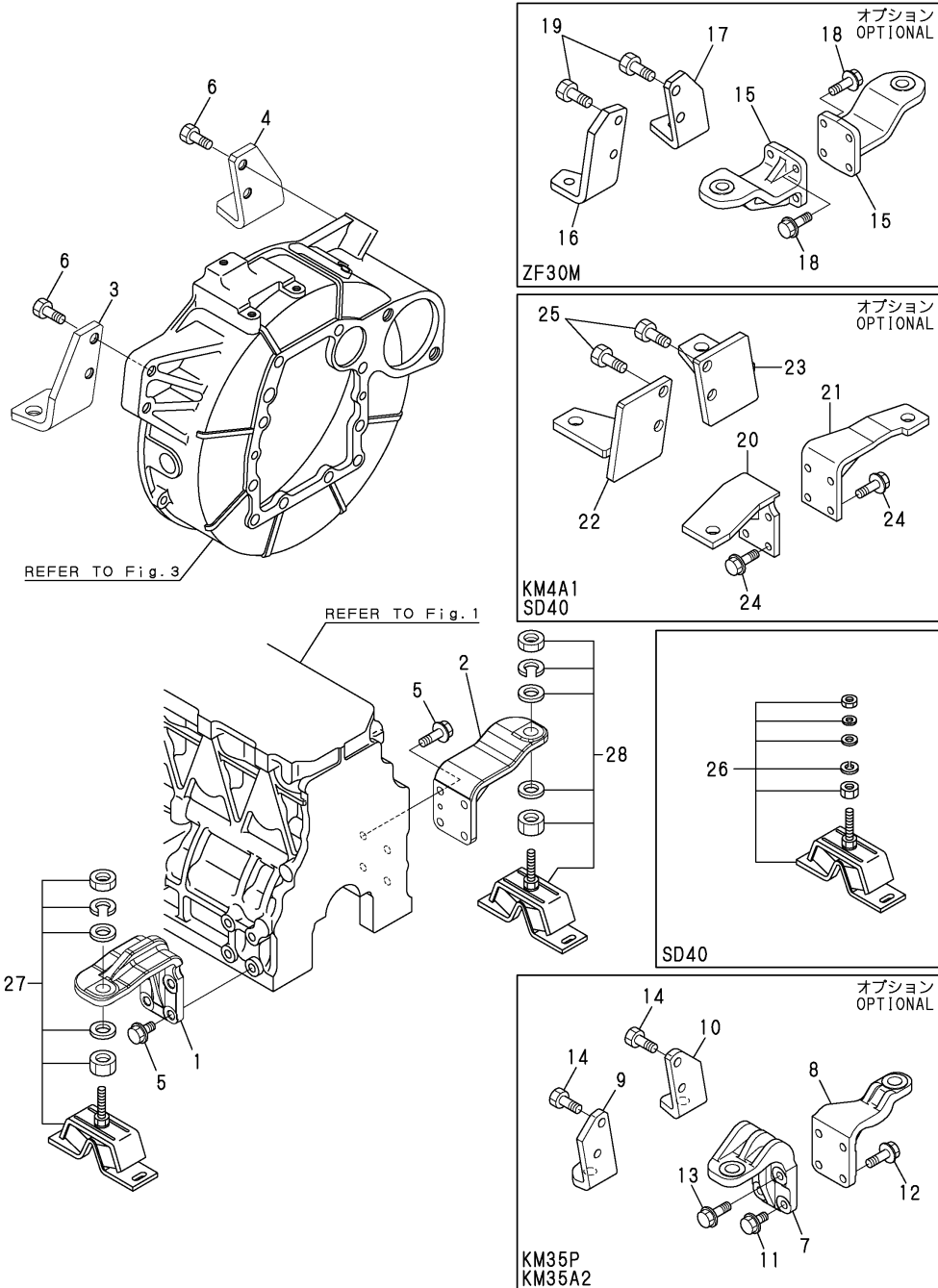
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Fig.4. MOUNTING FOOT



OCR10-G56900 4. MOUNTING FOOT

(A)=4JH4E

(B)=

(C)=

(D)=

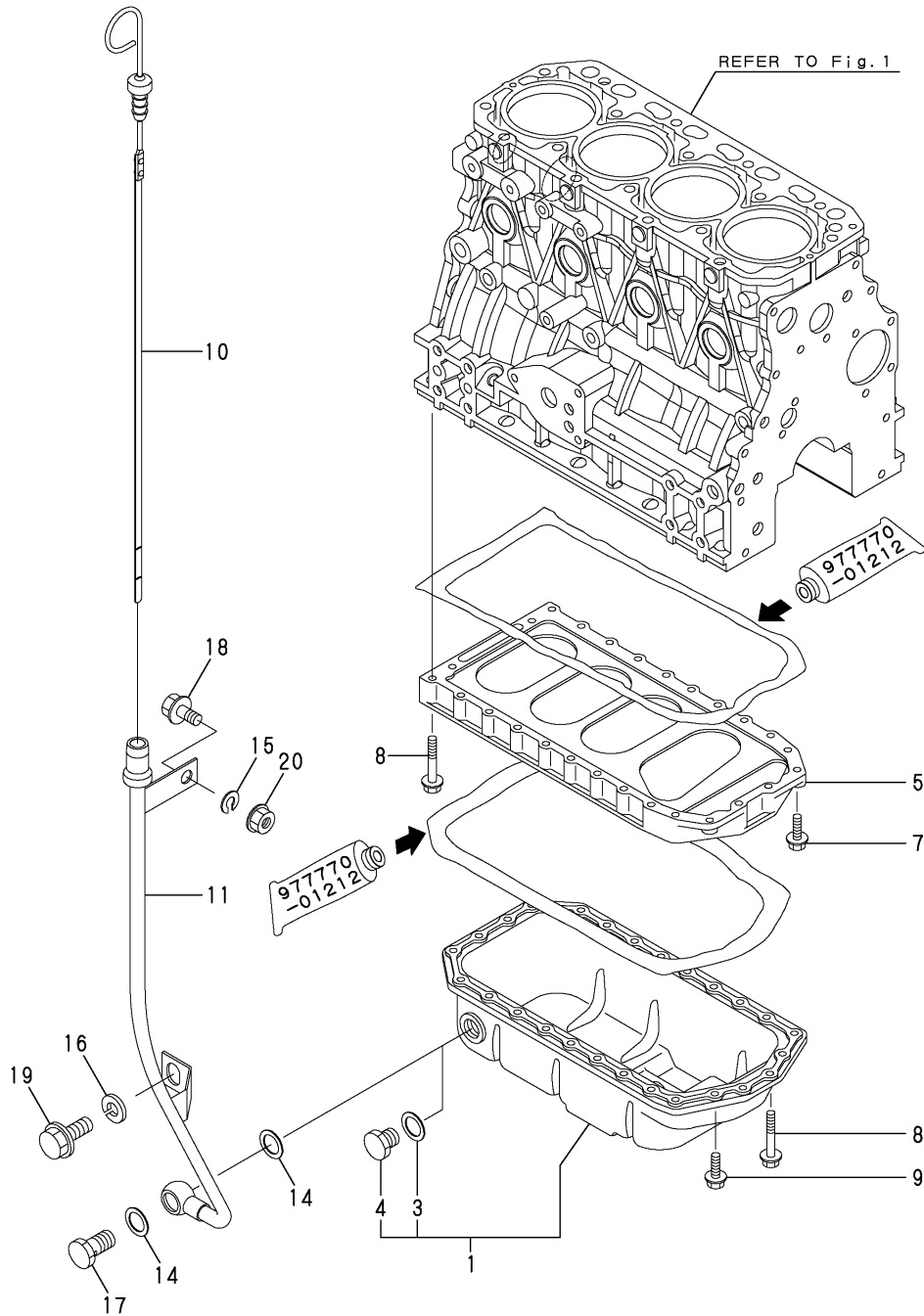
(E)=

(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129670-08210	FOOT, MOUNTING A	1							
2	1	129670-08220	FOOT, MOUNTING B	1							
3	1	129670-08230	FOOT, MOUNTING C	1							
4	1	129670-08240	FOOT, MOUNTING D	1							
5	1	26106-100222	BOLT M10X 22 PLATED	8							
6	1	26116-120252	BOLT M12X 25 PLATED	4							
7	1	129670-08100	MOUNTING FOOT	1							
8	1	129670-08110	MOUNTING FOOT,B	1							
9	1	129670-08120	MOUNTING FOOT,C	1							
10	1	129670-08130	MOUNTING FOOT,D	1							
11	1	26106-100222	BOLT M10X 22 PLATED	2							
12	1	26106-100222	BOLT M10X 22 PLATED	4							
13	1	26106-100302	BOLT M10X 30 PLATED	2							
14	1	26116-120252	BOLT M12X 25 PLATED	4							
15	1	129470-08100	BRACKET	2							
16	1	129670-08150	MOUNTING FOOT,REAR	1							
17	1	129670-08160	MOUNTING FOOT,REAR	1							
18	1	26106-100222	BOLT M10X 22 PLATED	8							
19	1	26116-120252	BOLT M12X 25 PLATED	4							
20	1	129473-08100	FOOT	1							
21	1	129473-08110	FOOT	1							
22	1	129670-08180	MOUNTING FOOT,REAR	1							
23	1	129670-08190	MOUNTING FOOT,REAR	1							
24	1	26106-100222	BOLT M10X 22 PLATED	8							
25	1	26116-120252	BOLT M12X 25 PLATED	4							
26	1	120149-08431	MOUNT, FLEXIBLE	2							
27	1	129670-08340	MOUNTING, FLEX.150	2							
28	1	129670-08350	MOUNTING, FLEX.200	2							



Fig.5. LUB.OIL SUMP



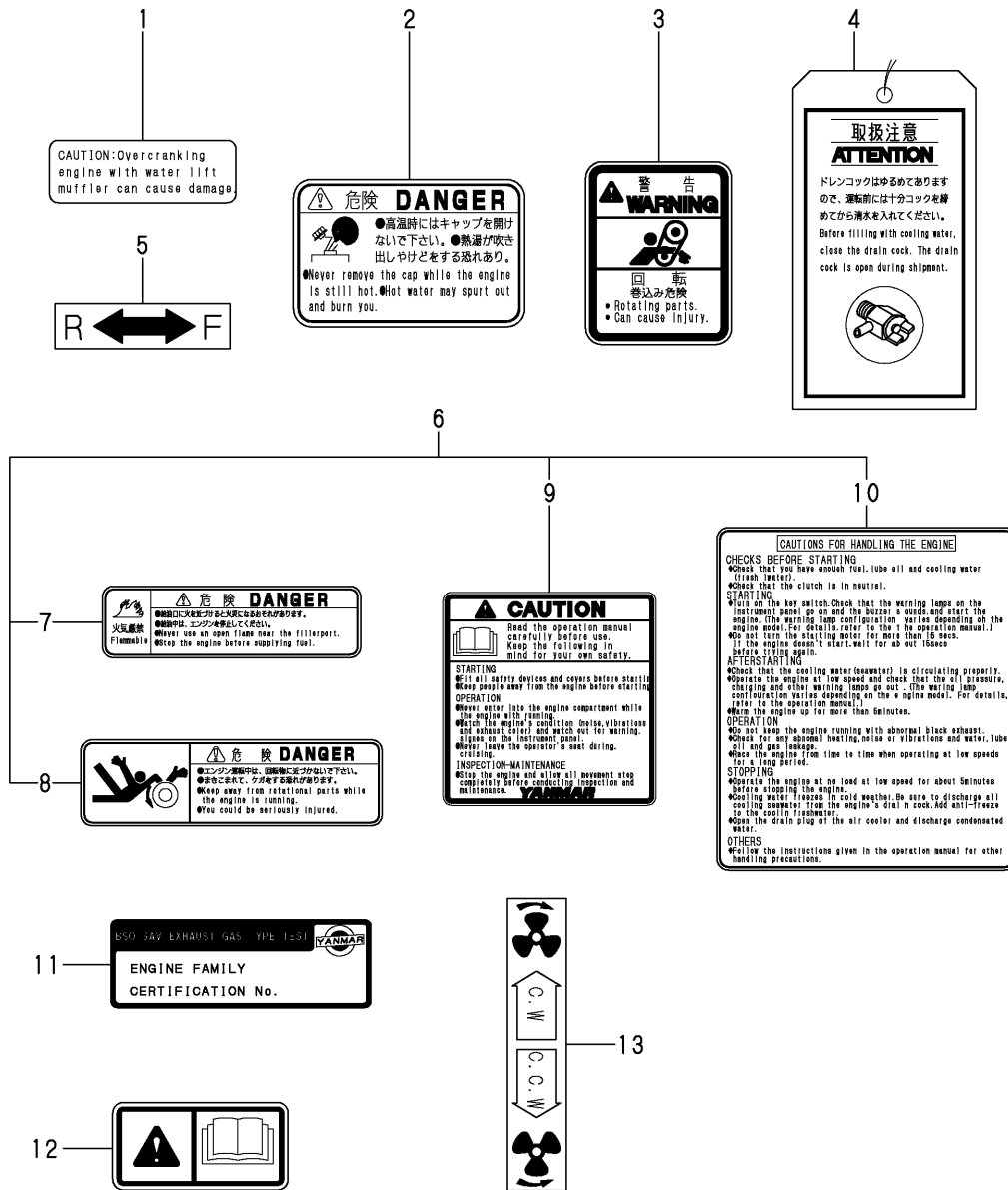
OCR10-G56900 5. LUB.OIL SUMP

(A)=4JH4E  
(B)=  
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129670-01700	SUMP, LUB.OIL	1							
3	2	23414-140000	GASKET 14, ROUND	1							
4	2	23887-140002	PLUG M14	1							
5	1	129400-01730	SPACER, OIL SUMP	1							
7	1	26106-080252	BOLT M 8X 25 PLATED	2							
8	1	26106-080452	BOLT M 8X 45 PLATED	24							
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							

Fig.6. LABEL

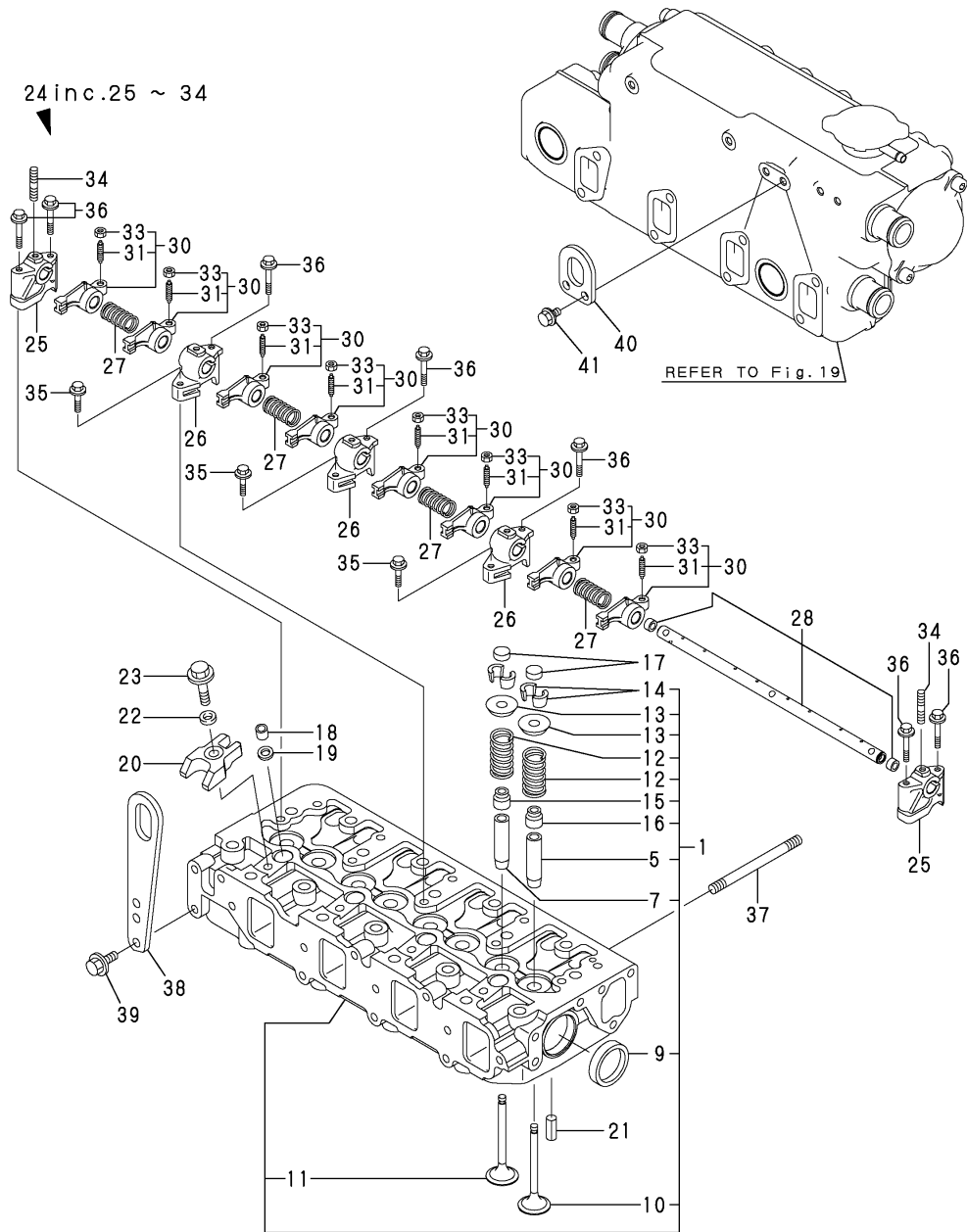


(A)=4JH4E  
(B)=  
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						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	129670-07520	LABEL, BSO2	1							
12	1	196630-12980	LABEL	1							
13	1	177073-02431	LABEL	1							

Fig.7. CYLINDER HEAD



(A)=4JH4E

(B)=

(C)=

(D)=

(E)=

(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129670-11700	HED ASSY, CYLINDER	1							
5	2	120130-11860	GUIDE, VALVE	4							1
7	2	129150-11810	GUIDE, VALVE	4							1
9	2	27241-400000	PLUG 40	2							
10	2	129004-11100	VALVE, INTAKE	4							
11	2	129100-11110	VALVE, EXHAUST	4							
12	2	129795-11120	SPRING, VALVE	8							
13	2	129795-11180	RETAINER, SPRING	8							
14	2	27310-080001	COTTER 8	8							
15	2	121400-11340	SEAL, VALVE STEM	4							
16	2	124460-11340	SEAL, VALVE STEM	4							
17	1	129150-11370	CAP, VALVE	8							
18	1	119802-11870	PROTECTOR, NOZZLE	4							
19	1	119625-11880	SEAT, NOZZLE	4							
20	1	129004-11900	RETAINER, NOZZLE	4							
21	1	22351-060012	SPRING PIN 6X12	2							
22	1	120270-54410	WASHER	4							
23	1	26106-080352	BOLT M 8X 35 PLATED	4							
24	1	129601-11241	SHAFT ASSY, ROCKER	1							
25	2	119802-11260	SUPPORT, ROCKER ARM	2							
26	2	119802-11270	SUPPORT, ROCKER ARM	3							
27	2	129150-11280	SPRING	4							
28	2	129601-11251	SHAFT	1							
30	2	129004-11650	ARM ASSY, ROCKER	8							
31	3	129150-11230	SCREW, VALVE	8							
33	3	129150-11750	NUT M8XP1.0	8							
34	2	26226-080182	STUD M 8X 18 PLATED	3							
35	1	26106-080252	BOLT M 8X 25 PLATED	3							
36	1	26106-080502	BOLT M 8X 50 PLATED	7							
37	1	129693-44300	STUD BOLT	2							
38	1	129900-07900	LIFTER, ENGINE	1							
39	1	26106-080142	BOLT 8X 14 PLATED	2							
40	1	129470-07230	LIFTER, ENGINE	1							
41	1	26106-080162	BOLT M 8X 16 PLATED	2							

Remarks  
(1)REPAIR PART.

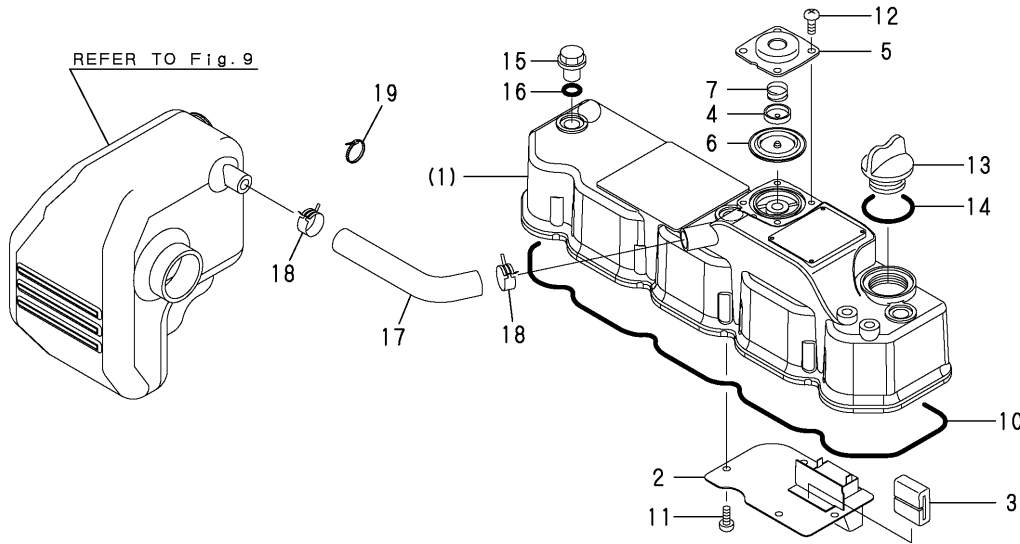
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Fig.8. BONNET

(A)=4JH4E  
(B)=  
(C)=

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

1 inc. (1) ~ 12



REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129601-11350	BONNET ASSY	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	129601-11310	GASKET,COVER	1							
11	2	22857-500100	SCREW 5X10,TAPPING	4							
12	2	22857-500100	SCREW 5X10,TAPPING	4							
13	1	124160-01751	COVER,FILLER	1							
14	1	24311-000320	O-RING 1A P-32.0	1							
15	1	124160-11360	KNOB	3							
16	1	24311-000120	O-RING 1A P 12.0	3							
17	1	129670-03090	PIPE, BREATHER	1							
18	1	129410-03990	CLAMP 22	2							
19	1	121750-59890	CLAMP 140	1							

Fig.9. SUCTION MANIFOLD

(A)=4JH4E

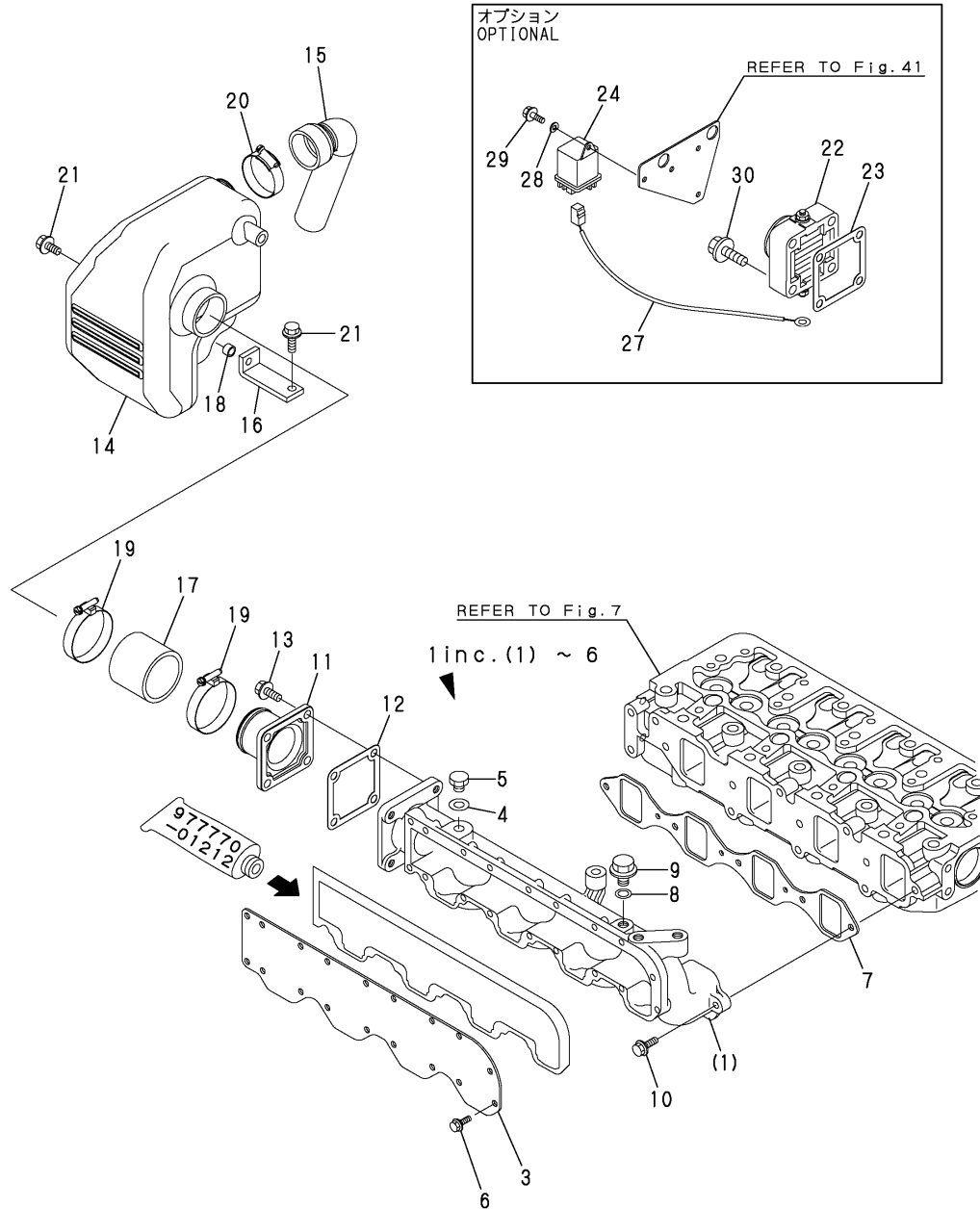
(B)=

(C)=

(D)=

(E)=

(F)=



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129698-12100	MANIFOLD, AIR INTAKE	1							
3	2	129470-12120	CAP	1							
4	2	23414-100000	GASKET 10, ROUND	1							
5	2	23887-100002	PLUG 10	1							
6	2	26476-060142	BOLT M 6X 14,TAPPING	18							
7	1	129470-12130	GASKET	1							
8	1	22190-080002	SEAL WASHER 8S	1							
9	1	26106-080122	BOLT M 8X 12 PLATED	1							
10	1	26106-080202	BOLT M 8X 20 PLATED	5							
11	1	129486-12581	JOINT	1							
12	1	129150-77511	GASKET, (NON-ASB.)	1							
13	1	26106-080202	BOLT M 8X 20 PLATED	4							
14	1	129271-12310	SILENCER,SUC AIR	1							
15	1	129670-12350	PIPE,INTAKE SILENCER	1							
16	1	129670-12410	BRACKET,SILENCER	1							
17	1	129271-12810	PIPE,SUC AIR	1							
18	1	105100-55540	COLLAR, FUEL TANK	1							
19	1	23000-060000	CLAMP 60	2							
20	1	23001-048000	CLIP 48,HOSE	1							
21	1	26106-080162	BOLT M 8X 16 PLATED	2							
22	1	129120-77501	HEATER, AIR	1							
23	1	129100-77510	GASKET, AIR HEATER	1							
24	1	128990-77910	RELAY ASSY, GLOW	1							
27	1	129271-77920	HARNES,WIRE(HEATER)	1							
28	1	22217-060000	SPRING WASHER 6	1							
29	1	26106-060082	BOLT M 6X 8 PLATED	1							
30	1	26106-080352	BOLT M 8X 35 PLATED	4							

Fig.10. MIXING ELBOW

(A)=4JH4E

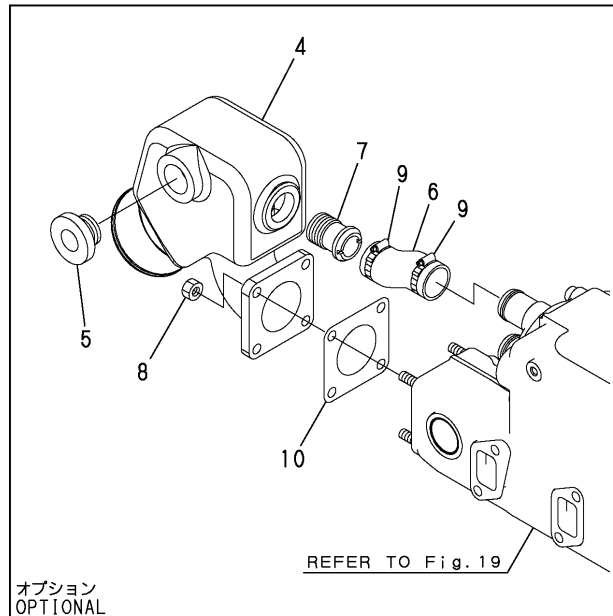
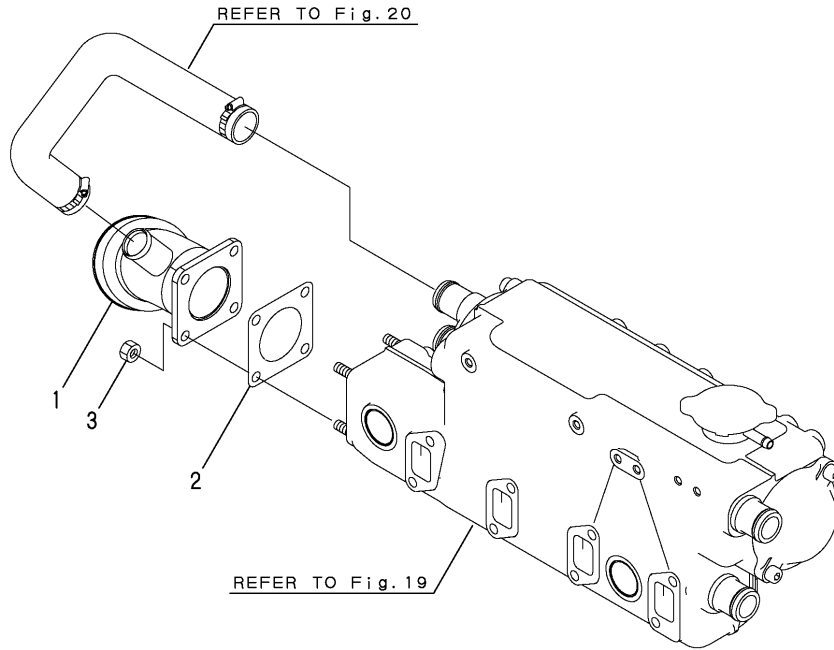
(B)=

(C)=

(D)=

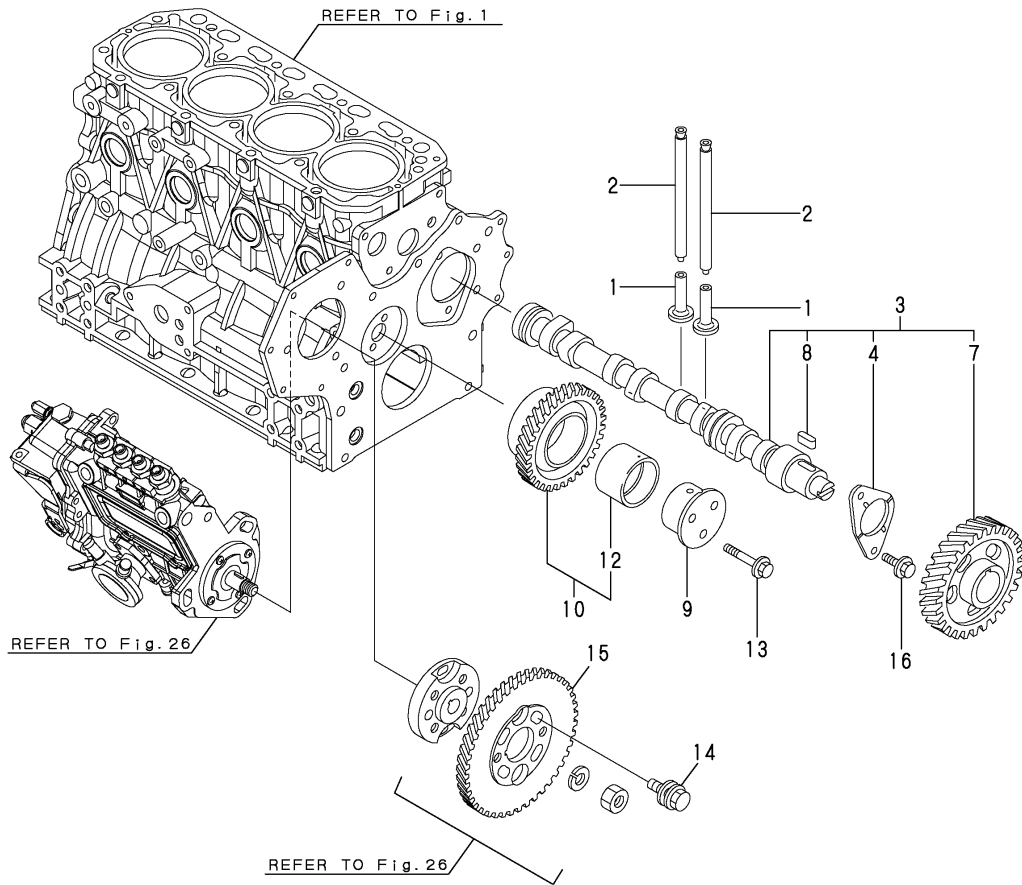
(E)=

(F)=



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						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	129670-49280	CSW PIPE	1							
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							

Fig.11. CAMSHAFT & DRIVING GEAR



OCR10-G56900 11. CAMSHAFT & DRIVING GEAR

(A)=4JH4E

(B)=

(C)=

(D)=

(E)=

(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-14200	TAPPET	8							
2	1	129150-14400	ROD, PUSH	8							
3	1	729402-14580	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	119802-25051	SHAFT, IDLE GEAR	1							
10	1	119802-25100	GEAR ASSY, IDLE	1							
12	2	119802-25070	BUSH, IDLE GEAR	1							1
13	1	26106-080402	BOLT M 8X 40 PLATED	3							
14	1	129150-25301	BOLT,FI-P	4							
15	1	129150-25931	GEAR	1							
16	1	26106-080142	BOLT 8X 14 PLATED	2							

Remarks

(1)REPAIR PART.

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

Fig.12. CRANKSHAFT & FLYWHEEL

(A)=4JH4E

(B)=

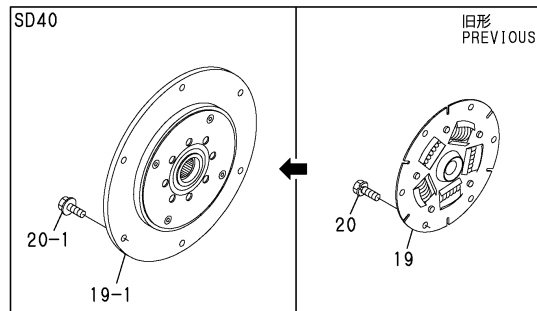
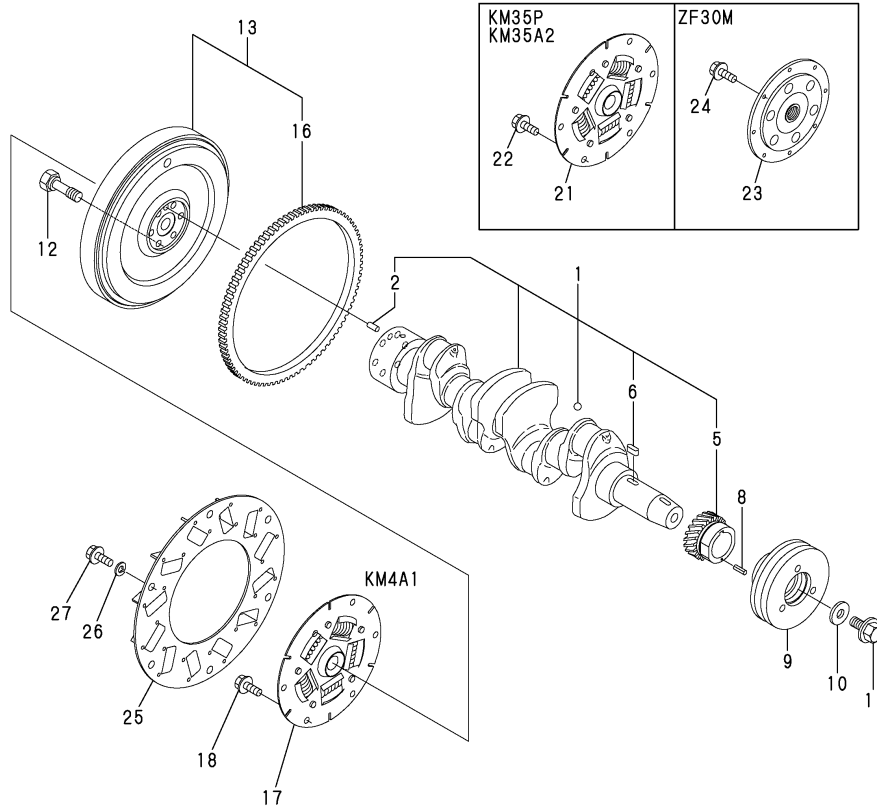
(C)=

(D)=

(E)=

(F)=

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PUBLISHED : 2004/9



Remarks

(1) INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.19-1,20-1.

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129601-21001	CRANKSHAFT ASSY	1							
2	2	129100-01580	PARALLEL PIN 8X16	1							
5	2	119802-21201	GEAR, CRANKSHAFT	1							
6	2	22512-070140	KEY 7X 14	1							
8	1	22351-030010	SPRING PIN 3X10	1							
9	1	119802-21660	V-PULLEY, CRANKSHAFT	1							
10	1	129795-21661	WASHER	1							
11	1	121850-21680	BOLT, V-PULLEY	1							
12	1	121111-21501	BOLT, FLYWHEEL	6							
13	1	129670-21590	FLYWHEEL ASSY	1							
16	2	119865-21600	GEAR, RING	1							
17	1	177090-03500	DISC, DAMPER	1							
18	1	26106-080162	BOLT M 8X 16 PLATED	6							
19	1	177099-03500	DISK, (NON-ASB.)	1							
19-1	1	196440-04310	TORFLEX250(SP10)	1						F	1
(A=*2004.04)											
20	1	26013-080142	BOLT M 8X 14	6							
20-1	1	26106-080222	BOLT M 8X 22 PLATED	6						F	1
(A=*2004.04)											
21	1	177070-03520	DISC, DAMPER	1							
22	1	26106-080162	BOLT M 8X 16 PLATED	6							
23	1	129673-81250	DAMPER DISK,ZF30M	1							
24	1	26106-080252	BOLT M 8X 25 PLATED	6							
25	1	129670-81850	FAN (FLYWHEEL)	1							
26	1	22217-080000	SPRING WASHER 8	6							
27	1	26106-080162	BOLT M 8X 16 PLATED	6							



Fig.13. PISTON & CONNECTING ROD

(A)=4JH4E

(B)=

(C)=

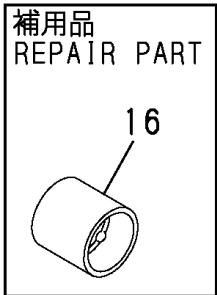
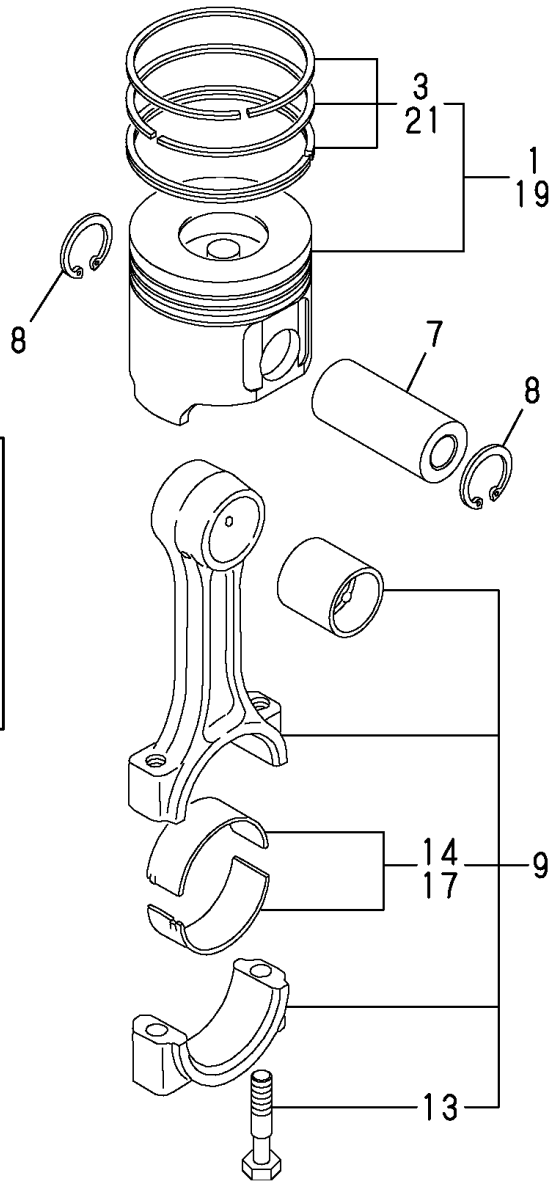
(D)=

(E)=

(F)=

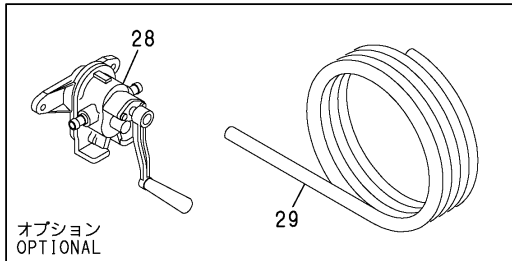
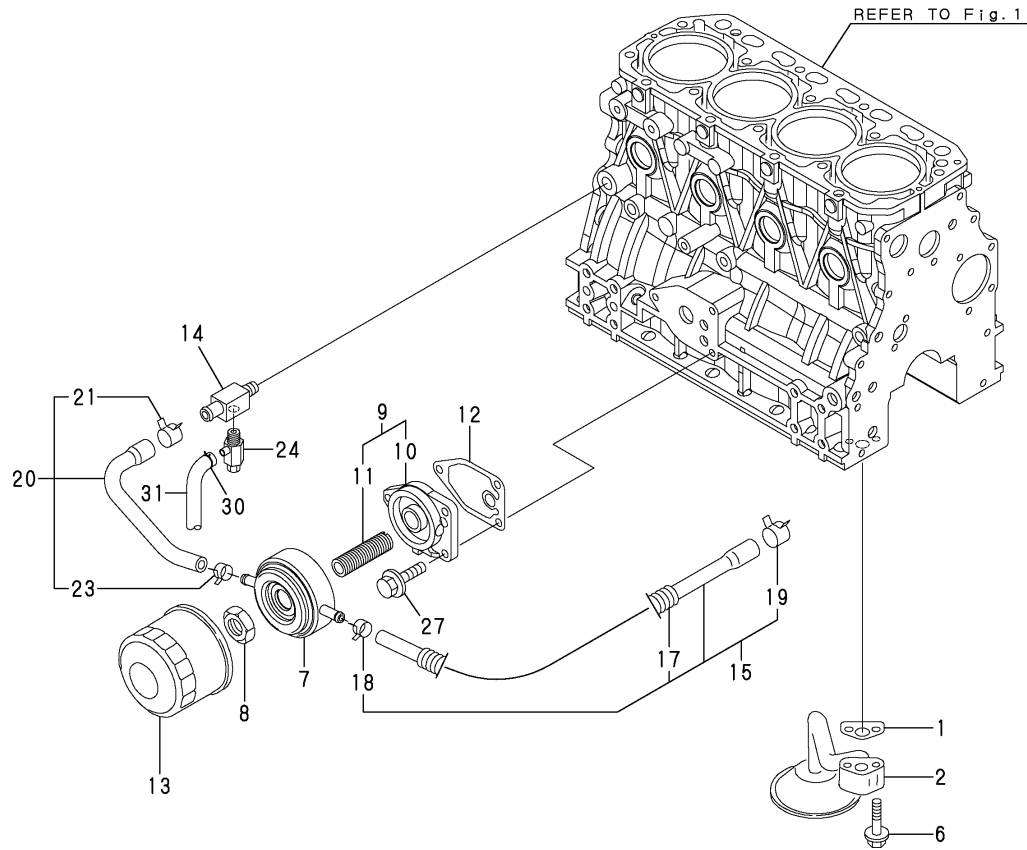
QTY

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129670-22020	PISTON ASSY	4							
3	2	129005-22500	RING SET, PISTON	4							
7	1	129202-22300	PIN, PISTON(D26,L70)	4							
8	1	22252-000260	CIRCLIP 26	8							
9	1	729402-23100	ROD ASSY, CONNECTING	4							
13	2	121550-23200	BOLT, CONNECTING ROD	8							
14	2	129150-23600	METAL, CRANKPIN	4							
16	1	129100-23910	BUSH, PISTON PIN	4							1
17	1	129150-23610	METAL.PIN US=0.25	4							3
19	1	129005-22900	PISTON W/RING OS=.25	4							2
21	2	129005-22950	RING SET O.S=0.25	4							2



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

Fig.14. LUB.OIL SYSTEM



(A)=4JH4E

(B)=

(C)=

(D)=

(E)=

(F)=

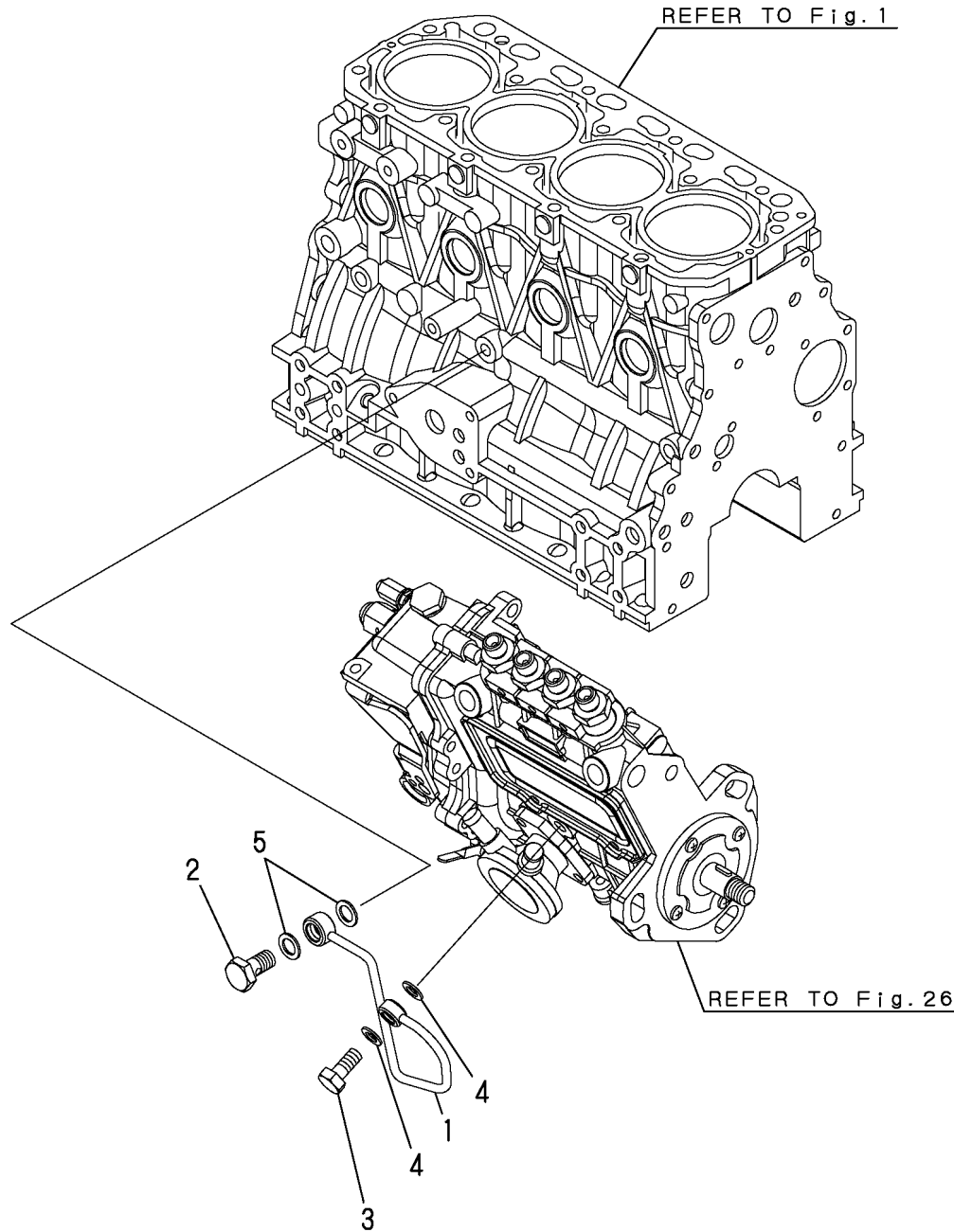
REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-35042	GASKET, (NON-ASB.)	1							
2	1	129670-35090	PIPE,OIL INLET ASSY	1							
6	1	26106-080352	BOLT M 8X 35 PLATED	2							
7	1	129508-33010	COOLER ASSY, OIL	1							
8	1	129417-33110	NUT OIL COOLER	1							
9	1	129006-35100	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	129150-35153	FILTER 80X80L	1							1
14	1	129006-44480	JOINT	1							
15	1	129657-49020	CW-T (B CMP	1							
17	2	129657-49180	PROTECTOR, PIPE 19	1							
18	2	23080-015000	CLAMP	1							
19	2	23080-018000	CLAMP 18	1							
20	1	129508-49030	PIPE,COOLER IN	1							
21	2	171008-03990	CLAMP 18.5	1							
23	2	23080-015000	CLAMP	1							
24	1	119620-49290	COCK ASSY 1/4	1							
27	1	26106-080202	BOLT M 8X 20 PLATED	3							
28	1	124413-39100	PUMP, OIL SUMP	1							
29	1	43720-001220	PIPE	1							
30	1	124460-77680	RETAINER	1							
31	1	23061-070300	PIPE 7X 300	1							

Remarks  
(1) REPAIR PART.

Fig.15. LUB.OIL PIPE

(A)=4JH4E  
(B)=  
(C)=

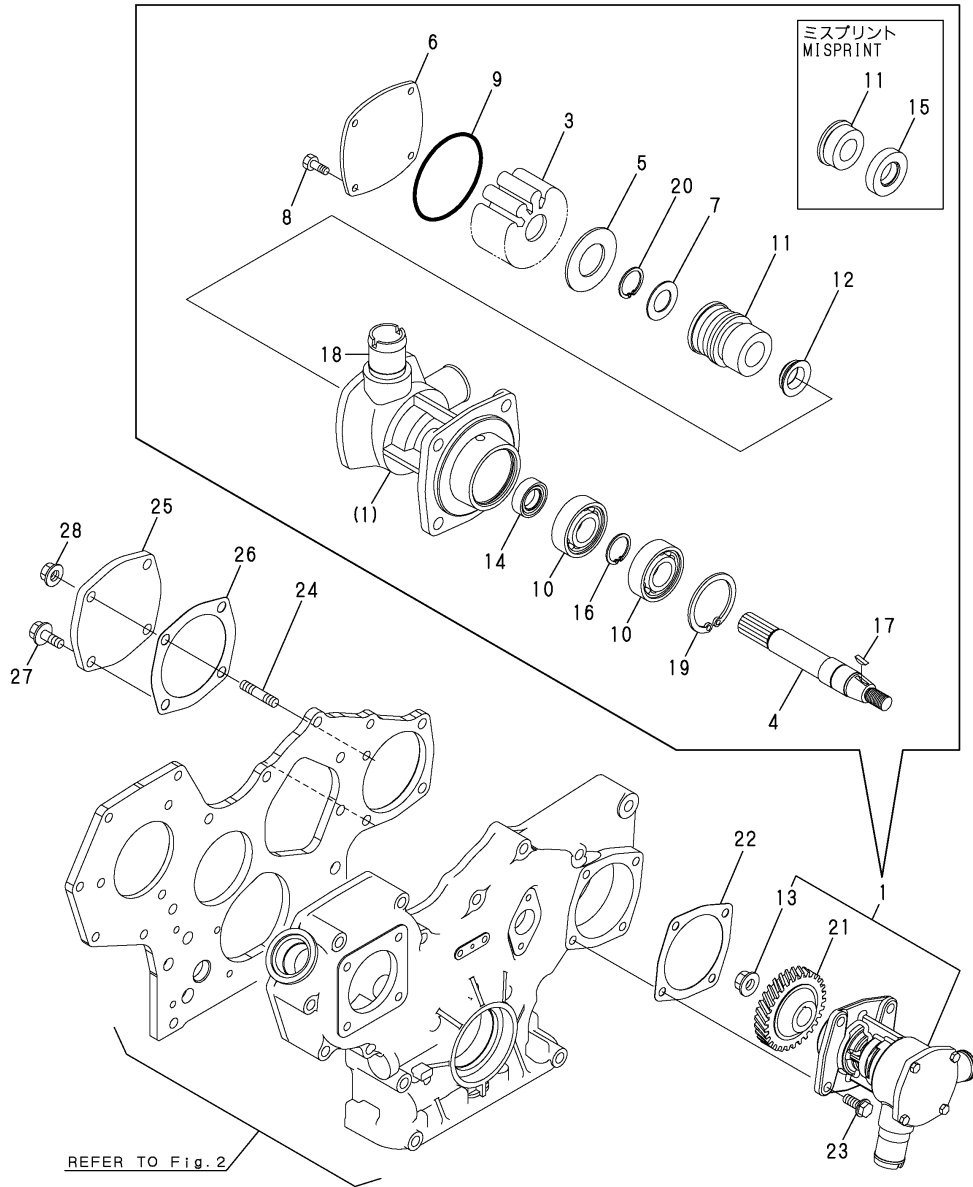
(D)=  
(E)=  
(F)=



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	129670-39110	PIPE ASSY, LUB. OIL	1								
2	1	124160-39140	BOLT 10, PIPE JOINT	1								
3	1	124550-59820	BOLT 8, PIPE JOINT	1								
4	1	22190-080002	SEAL WASHER 8S	2								
5	1	22190-100002	SEAL WASHER 10S	2								

Fig.16. COOLING SEA WATER PUMP

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PUBLISHED:2004/4



REFER TO Fig. 2

Remarks  
(M)MISPRINT

(A)=4JH4E

(B)=

(C)=

(D)=

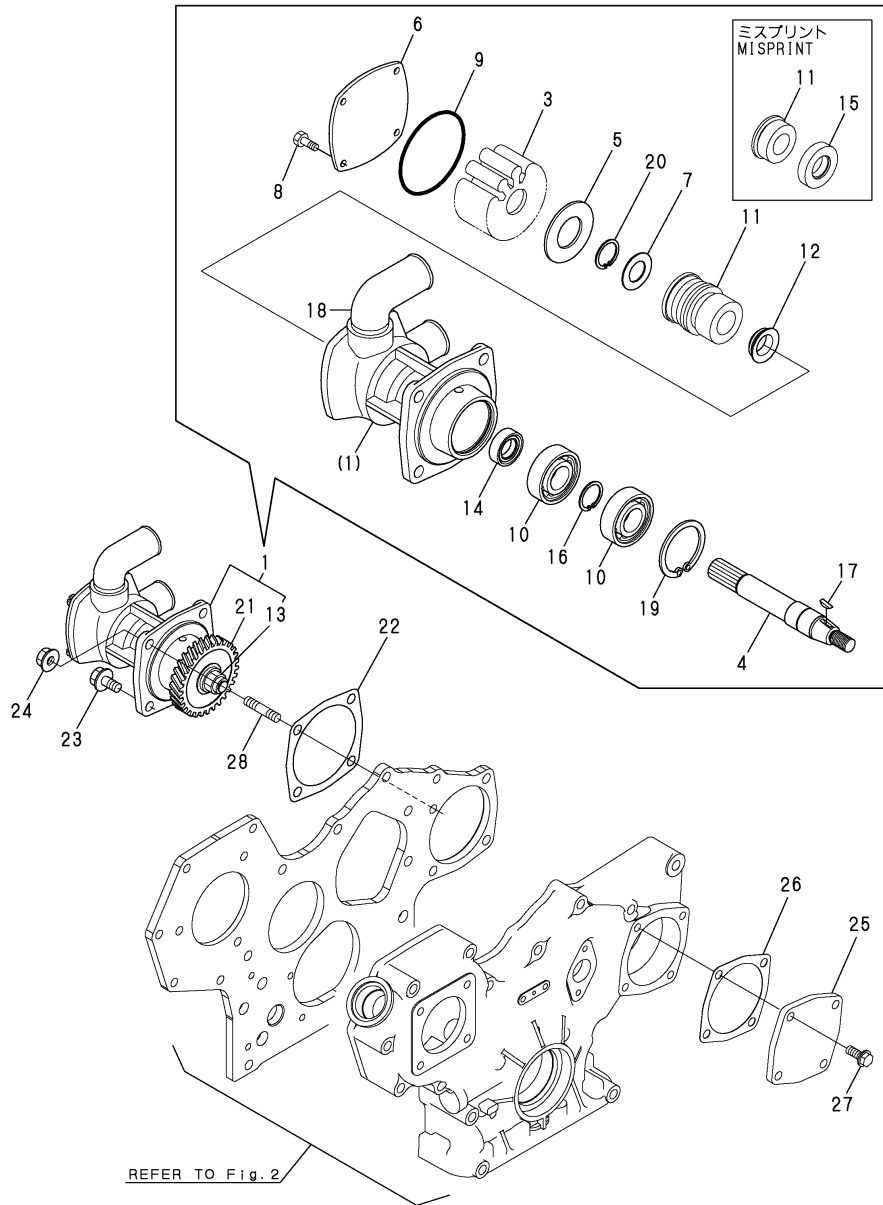
(E)=

(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						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						
I	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						
I	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



(A)=4JH4E  
(B)=  
(C)=

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

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						
I	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						
I	17	2	129670-42580	KEY	1						
I	18	2	X01357681	CONNECTION	1						
I	19	2	X0534130	CIRCLIP	1						M
I	19-1	2	X00371040	CIRCLIP	1						
I	20	2	129670-42570	CIRCLIP	1						
I	21	1	129670-42700	GEAR	1						
I	22	1	129150-01881	GASKET, (NON ASB.)	1						
I	23	1	26106-080162	BOLT M 8X 16 PLATED	3						
I	24	1	26306-080002	NUT	1						
I	25	1	124240-01871	COVER, HO-P	1						
I	26	1	129150-01881	GASKET, (NON ASB.)	1						
I	27	1	26106-080162	BOLT M 8X 16 PLATED	4						
I	28	1	121450-01560	STUD M 8X 22	1						

Remarks  
(M)MISPRINT

Fig.18. COOLING FRESH WATER PUMP

(A)=4JH4E

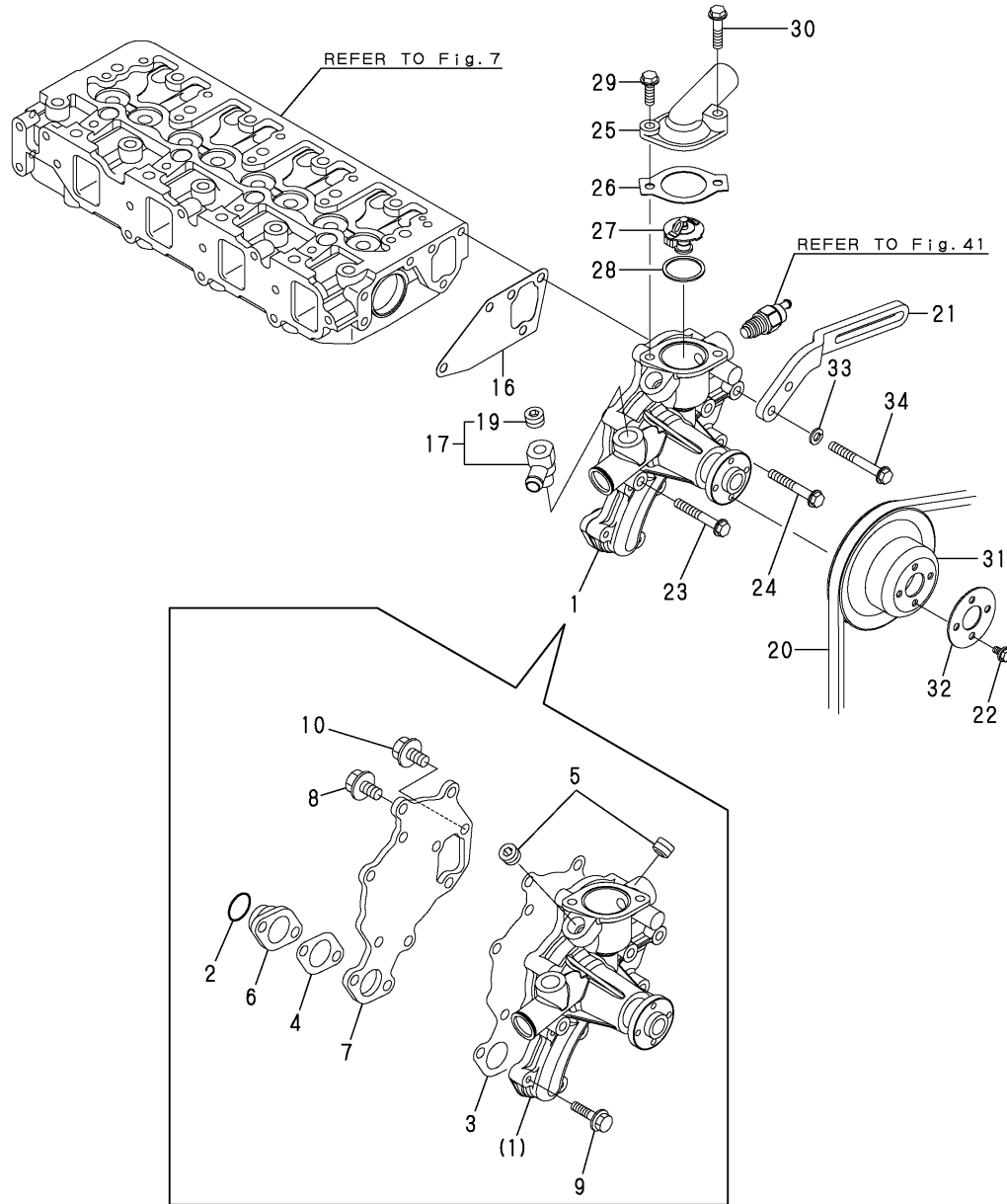
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(C)=

(D)=

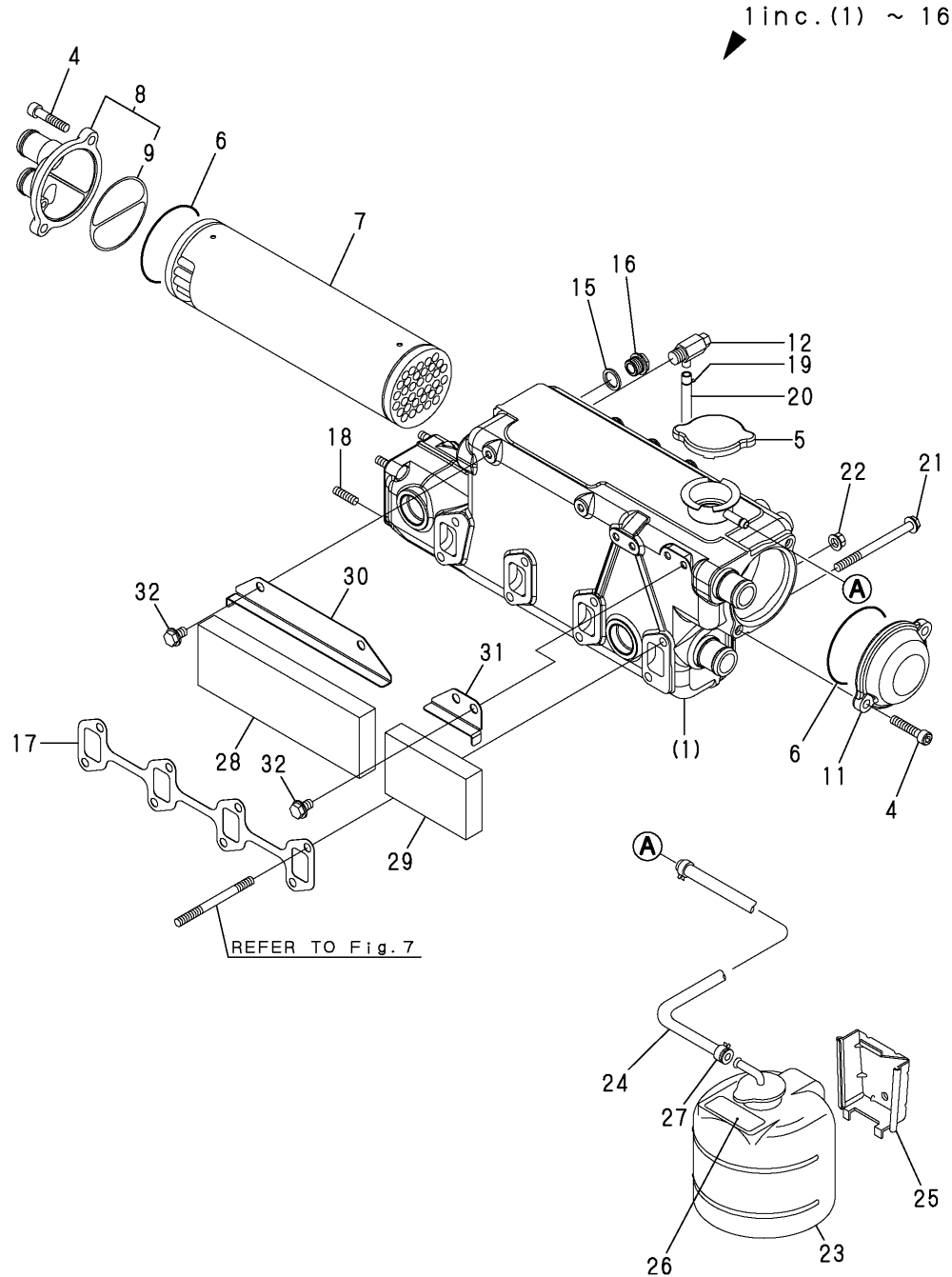
(E)=

(F)=



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						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							

Fig.19. COOLING FRESH WATER COOLER



(A)=4JH4E

(B)=

(C)=

(D)=

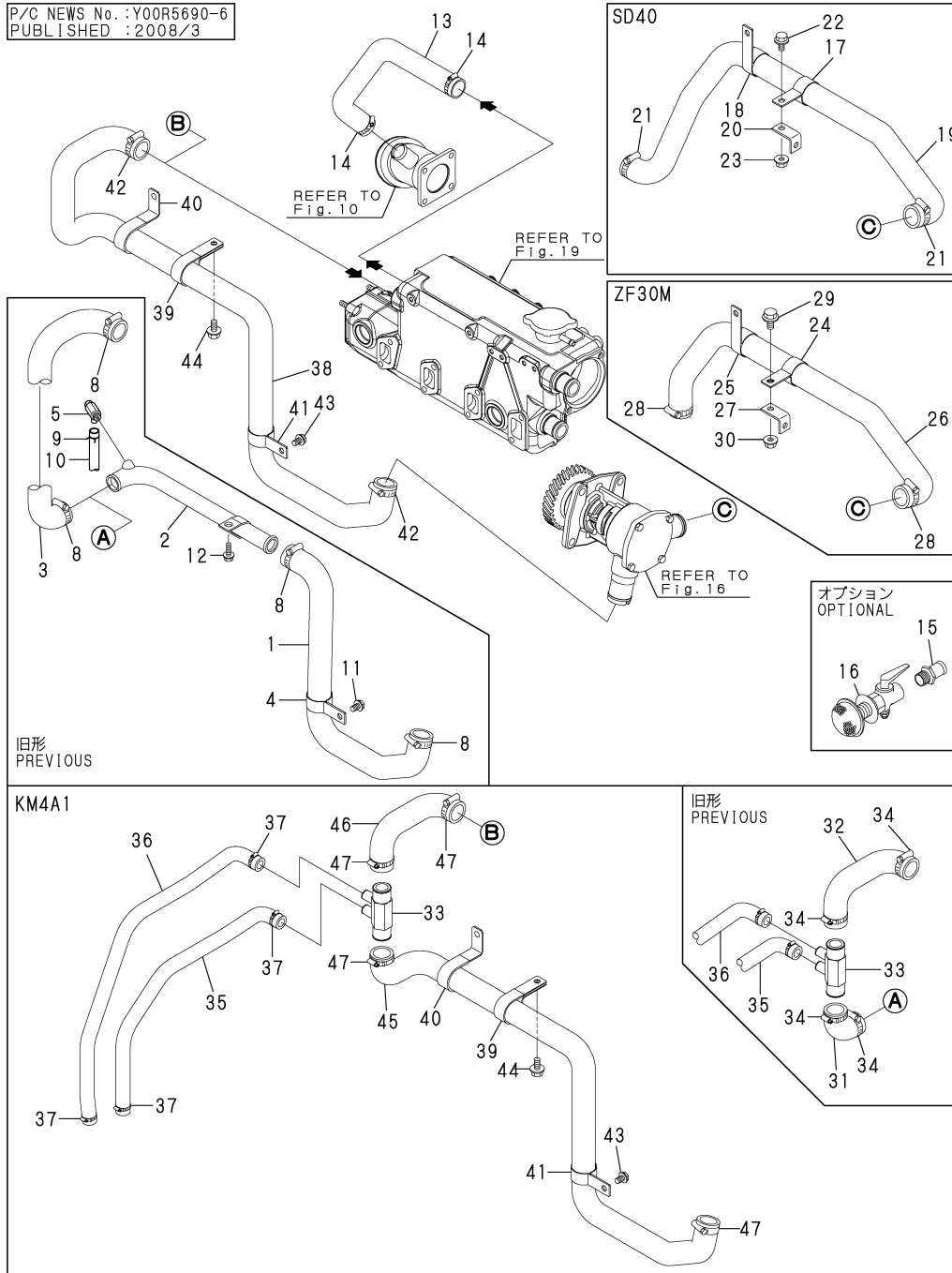
(E)=

(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129670-44910	EXCHAGER ASSY CFW	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	129670-44460	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	129550-13110	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	6							
22	1	26306-080002	NUT	2							
23	1	128397-44500	TANK ASSY, RESERVE	1							
24	1	129270-44500	PIPE OVER FLOW	1							
25	1	128397-44510	BRACKET, SUB-TANK	1							
26	1	129670-44570	LABEL	1							
27	1	23010-013000	CLAMP 13	2							
28	1	129670-11920	ABSORBER A,NOISE	1							
29	1	129670-11930	ABSORBER B,NOISE	1							
30	1	129670-11940	COVER A,ABSORBER	1							
31	1	129670-11950	COVER B,ABSORBER	1							
32	1	26106-080122	BOLT M 8X 12 PLATED	4							

Fig.20. COOLING SEA WATER PIPE

P/C NEWS No.: Y00R5690-6  
PUBLISHED : 2008/3



(A)=4JH4E

(B)=

(C)=

(D)=

(E)=

(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129271-49010 (A=E/#E05913)	PIPE, COOLING WATER	1							Z
2	1	129470-49010 (A=E/#E05913)	PIPE, C. SEA WATER	1							Z
3	1	129270-49040 (A=E/#E05913)	PIPE, CSW	1							Z
4	1	129271-49110 (A=E/#E05913)	RETAINER, PIPE	1							Z
5	1	129670-49290 (A=E/#E05913)	COCK R1/8 ASSY	1							Z
8	1	129670-49500 (A=E/#E05913)	HOSE CLIP 38	4							Z
9	1	124460-77680 (A=E/#E05913)	RETAINER	1							Z
10	1	23061-070300 (A=E/#E05913)	PIPE 7X 300	1							Z
11	1	26106-080122 (A=E/#E05913)	BOLT M 8X 12 PLATED	1							Z
12	1	26106-080162 (A=E/#E05913)	BOLT M 8X 16 PLATED	1							Z
13	1	129670-49150	PIPE, CSW(D)	1							
14	1	129670-49500	HOSE CLIP 38	2							
15	1	43530-500570	JOINT	1							
16	1	43662-025030	COCK ASSY, SEA WATER	1							
17	1	129271-49110	RETAINER, PIPE	1							
18	1	129671-49110	RETAINER	1							
19	1	129670-49260	PIPE, CSW S-DRIVE	1							
20	1	129670-49270	BRACKET, RETAINER	1							
21	1	129670-49500	HOSE CLIP 38	2							
22	1	26106-080122	BOLT M 8X 12 PLATED	1							
23	1	26306-080002	NUT	1							
24	1	129271-49110	RETAINER, PIPE	1							
25	1	129671-49110	RETAINER	1							
26	1	129670-49250	PIPE, CSW ZF30M	1							
27	1	129670-49270	BRACKET, RETAINER	1							
28	1	129670-49500	HOSE CLIP 38	2							
29	1	26106-080122	BOLT M 8X 12 PLATED	1							
30	1	26306-080002	NUT	1							
31	1	129670-49210 (A=E/#E05913)	PIPE C, CSW	1							Z
32	1	129670-49220 (A=E/#E05913)	PIPE D, CSW	1							Z
33	1	129670-49410	JOINT A, CSW	1							
34	1	129670-49500 (A=E/#E05913)	HOSE CLIP 38	4							Z
35	1	129670-49230	PIPE E, CSW	1							
36	1	129670-49240	PIPE F, CSW	1							
37	1	23000-022000	CLAMP 22	4							
38	1	129670-49020 (A=E/#E05913)	PIPE, COOLING WATER	1							W
39	1	129671-49120	RETAINER	1							W

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

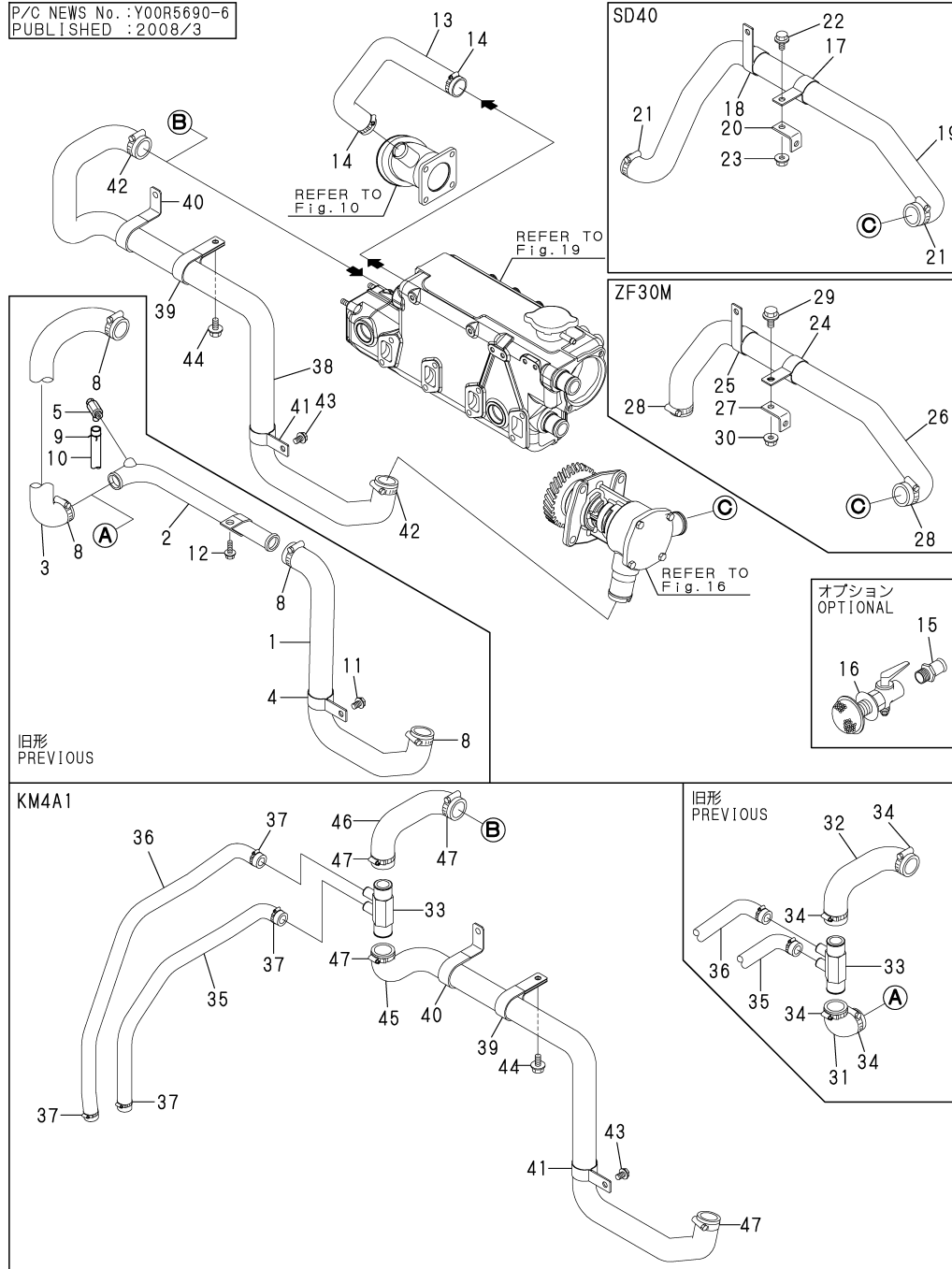
++ CONTINUE ++

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# Fig.20. COOLING SEA WATER PIPE

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PUBLISHED : 2008/3



(A)=4JH4E  
(B)=  
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
		(A=E/#E05913)										
40	1	129670-49360	RETAINER,CSW PIPE	1								W
		(A=E/#E05913)										
41	1	129271-49110	RETAINER, PIPE	1								W
		(A=E/#E05913)										
42	1	129670-49500	HOSE CLIP 38	2								W
		(A=E/#E05913)										
43	1	26106-080122	BOLT M 8X 12 PLATED	1								W
		(A=E/#E05913)										
44	1	26106-080162	BOLT M 8X 16 PLATED	1								W
		(A=E/#E05913)										
45	1	129670-49090	PIPE,COOLING WATER	1								W
		(A=E/#E05913)										
46	1	129670-49220	PIPE D,CSW	1								W
		(A=E/#E05913)										
47	1	129670-49500	HOSE CLIP 38	4								W
		(A=E/#E05913)										

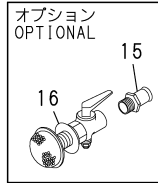
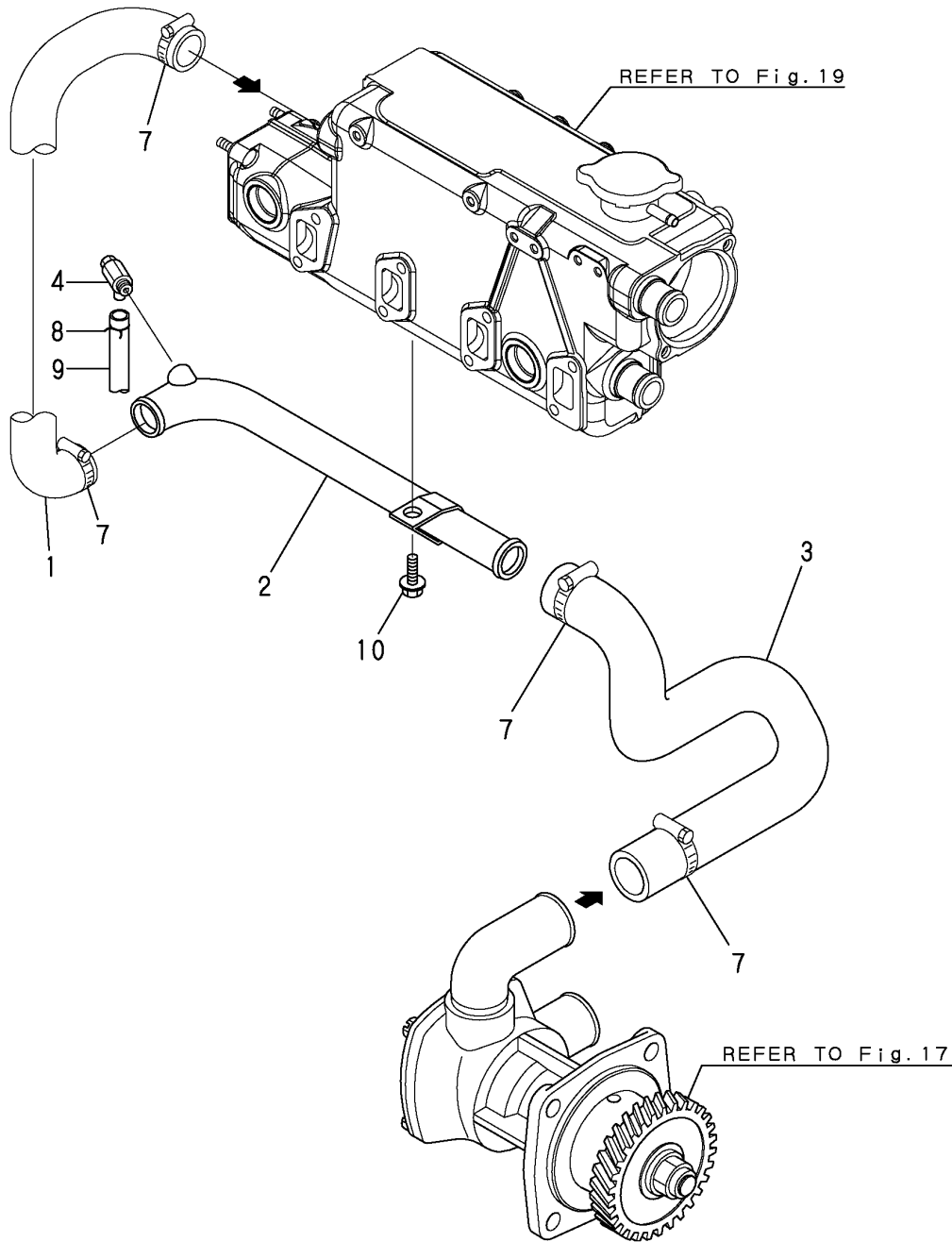


Fig.21. COOLING SEA WATER PIPE(OPTIONAL)



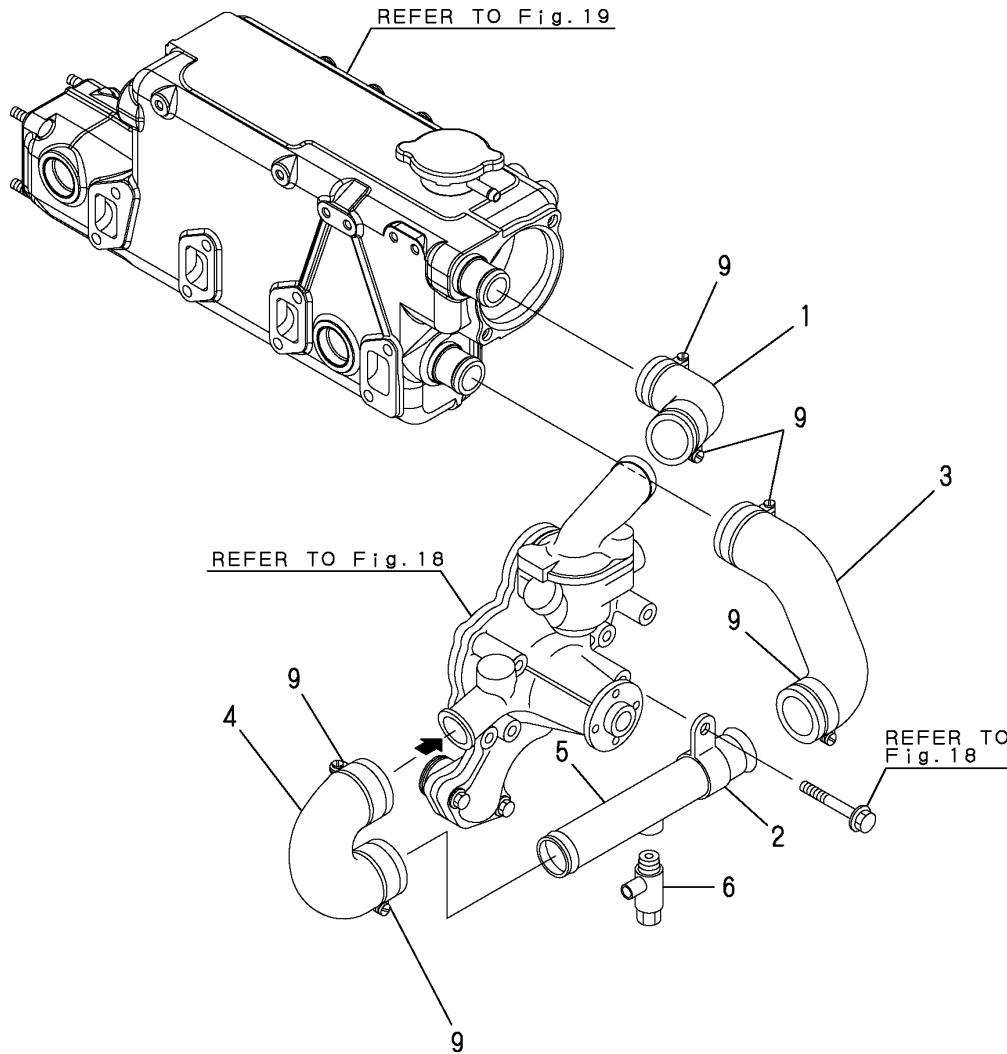
OCR10-G56900 21. COOLING SEA WATER PIPE(OPTIONAL)

(A)=4JH4E  
(B)=  
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
1	1	129270-49040	PIPE,CSW	1								
2	1	129470-49010	PIPE, C. SEA WATER	1								
3	1	129670-49110	PIPE,CSW(A)	1								
4	1	129670-49290	COCK R1/8 ASSY	1								
7	1	129670-49500	HOSE CLIP 38	4								
8	1	124460-77680	RETAINER	1								
9	1	23061-070300	PIPE 7X 300	1								
10	1	26106-080162	BOLT M 8X 16 PLATED	1								

Fig.22. COOLING FRESH WATER PIPE



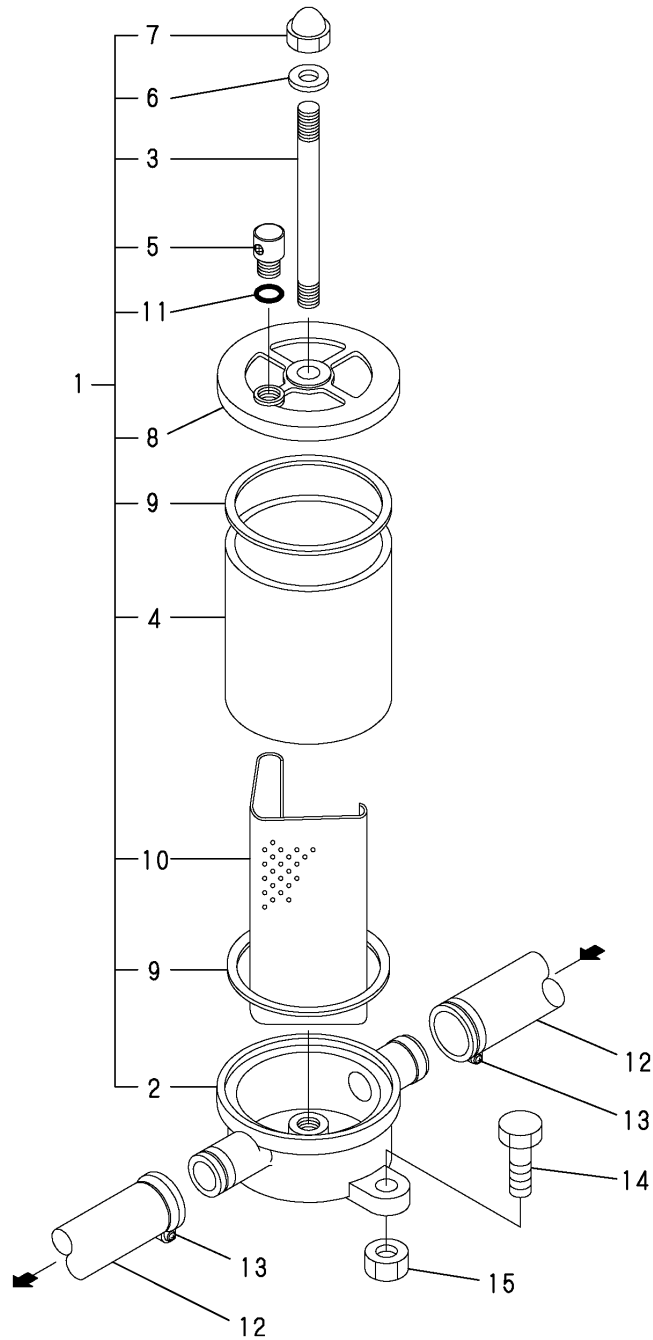
OCR10-G56900 22. COOLING FRESH WATER PIPE

(A)=4JH4E  
(B)=  
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129671-49210	PIPE, COOLING WATER	1							
2	1	129470-49220	RETAINER	1							
3	1	129673-49220	CFW PIPE	1							
4	1	129673-49230	CFW PIPE	1							
5	1	129271-49250	PIPE, C. FRESH WATER	1							
6	1	129670-49290	COCK R1/8 ASSY	1							
9	1	129670-49500	HOSE CLIP 38	6							

Fig.23. C.S.W.STRAINER(OPTIONAL)

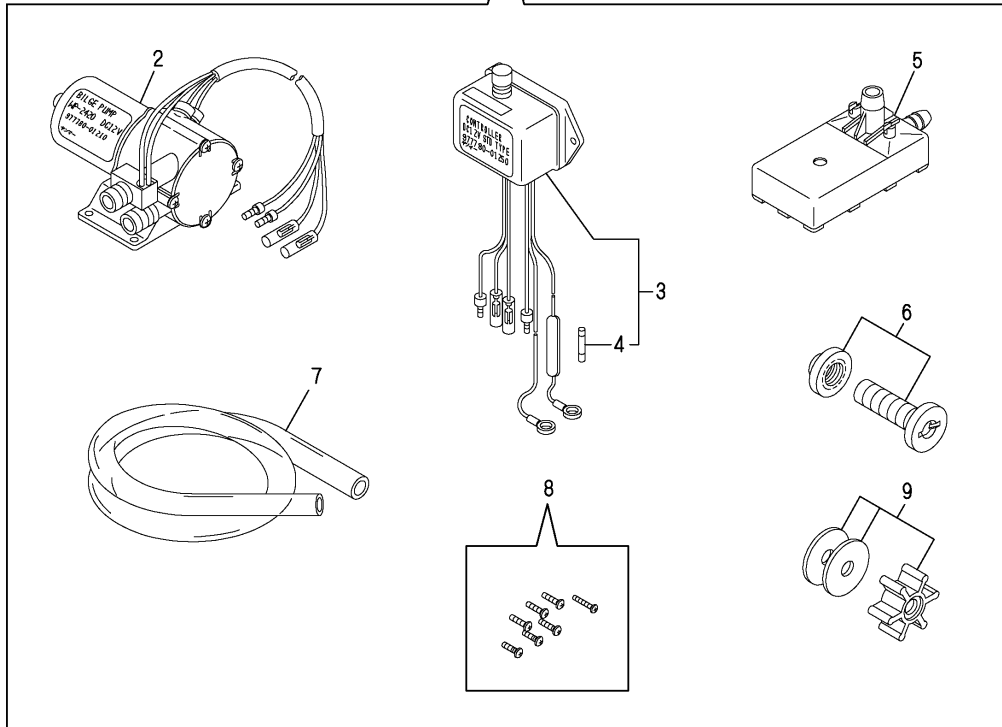
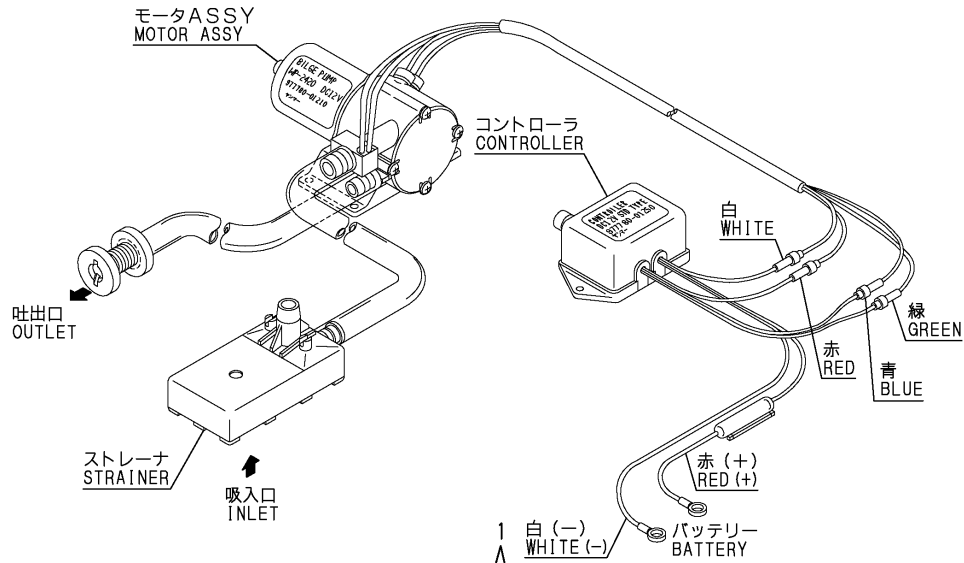


(A)=4JH4E  
(B)=  
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						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.24. BILGE PUMP(STD/OPTIONAL)



OCR10-G56900 24. BILGE PUMP(STD/OPTIONAL)

(A)=4JH4E

(B)=

(C)=

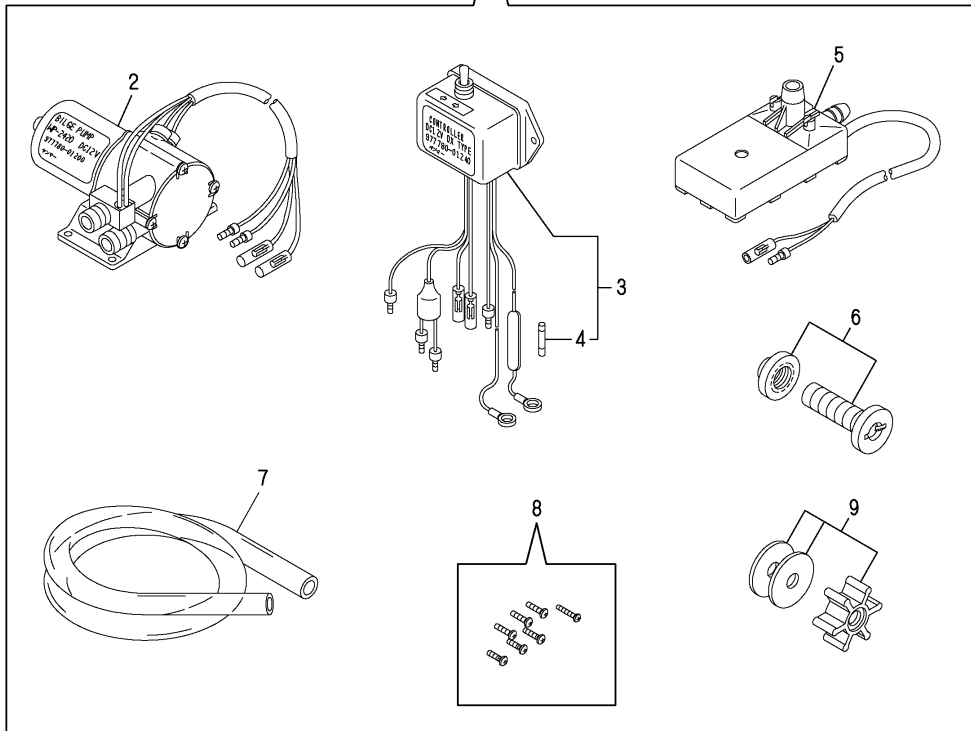
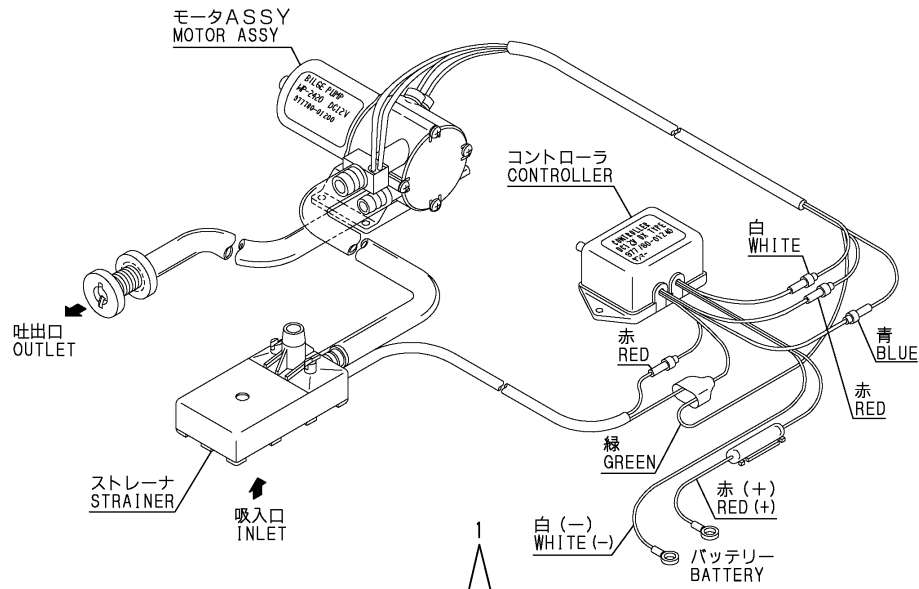
(D)=

(E)=

(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						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.25. BILGE PUMP(DX/OPTIONAL)



OCR10-G56900 25. BILGE PUMP(DX/OPTIONAL)

(A)=4JH4E

(B)=

(C)=

(D)=

(E)=

(F)=

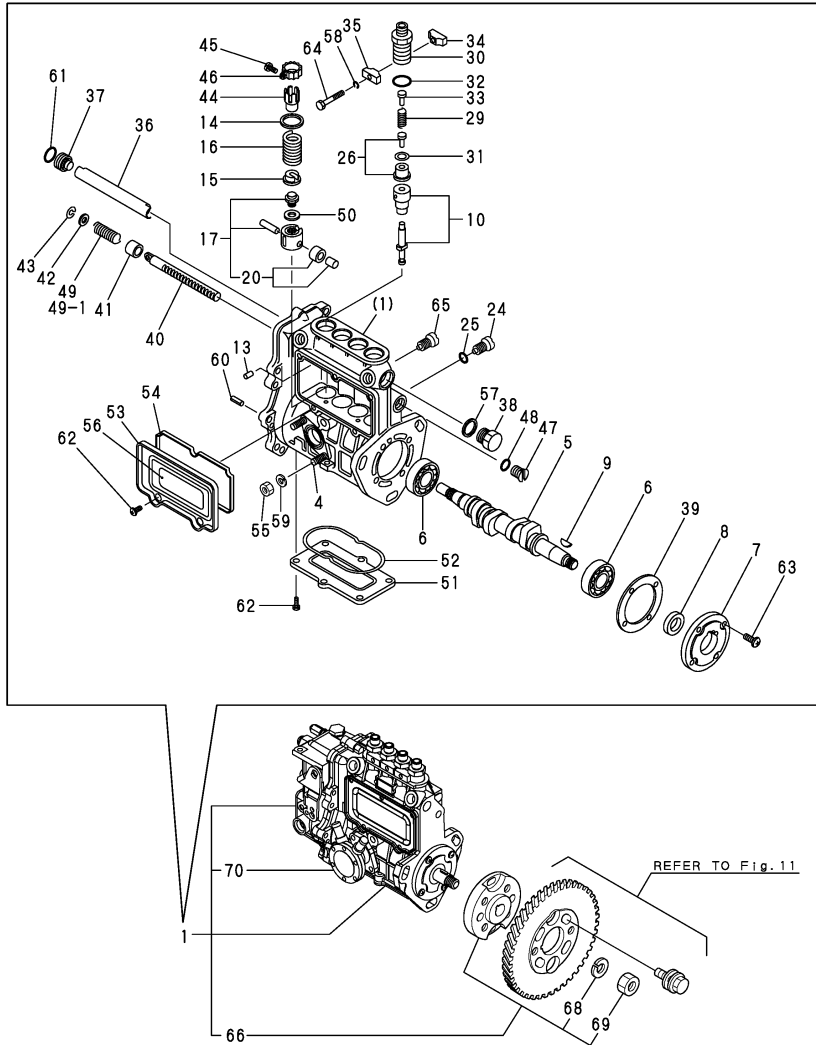
REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	977780-01200	PUMP(12V).BILGE	1							
2	2	977780-01230	MOTOR ASSY(BILG PUMP	1							
3	2	977780-01240	CONTROLLER	1							
4	3	X8636008003	FUSE	1							
5	2	X179100011X	STRAINER	1							
6	2	X179100100X	PIPE ASSY	1							
7	2	X0044021509	HOSE A	1							
8	2	X199903800X	SCREW KIT	1							
9	2	977780-03000	INPELLER	1							

Fig.26. FUEL INJECTION PUMP

(A)=4JH4E  
(B)=  
(C)=

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

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PUBLISHED:2006/5



Remarks  
(1)GOVERNOR ASSY(FIG.27)IS INCORPORATED IN THIS FUEL INJECTION PUMP(REF.NO.1)  
(2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.49-1 AND FIG.27 NO.6-1,82-1,83-1,89,94,95, 96,97.

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729670-51450	FUEL INJECTION ASSY	1							1
4	3	129155-51020	STUD, FEED PUMP	2							
5	3	129506-51040	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	4							
13	3	129155-51140	PIN, BARREL LOCKING	4							
14	3	174307-51170	RETAINER A	4							
15	3	129155-51180	SPRING SHOE, PLUNGER	4							
16	3	124950-51190	SPRING, PLUNGER	4							
17	3	129155-51200	TAPPET ASSY	4							
20	4	711100-51540	ROLLER ASSY	4							
24	3	129155-51270	LOCKING, TAPPET	4							
25	3	129155-51280	O-RING S6	4							
26	3	129670-51300	VALVE ASSY	4							
29	3	129573-51330	SPRING, DELY. VALVE	4							
30	3	129573-51340	GUARD, DELY. VALVE	4							
31	3	124550-51350	GASKET, DELIVERY	4							
32	3	124550-51370	O-RING, DELIVERY	4							
33	3	129573-51370	STOPPER, VALVE	4							
34	3	129155-51380	LOCKING (A)	2							
35	3	129155-51390	LOCKING (B)	2							
36	3	129555-51400	DEFLECTER	1							
37	3	129155-51410	CHECK BOLT,DEFLECTOR	1							
38	3	129155-51420	PLUG (M16)	1							
39	3	129155-51450	SHIM SET, ADJUSTING	1							
40	3	129555-51500	RACK, CONTROL	1							
41	3	129155-51521	BUSH, RACK	1							
42	3	129155-51530	SPACER, AUX. SPRING	1							
43	3	129155-51540	CIRCLIP	1							
44	3	129155-51550	PINION, CONTROL	4							
45	3	129100-51570	SCREW	4							
46	3	129100-51560	PINION	4							
47	3	129155-51570	PLUG (M12)	1							
48	3	129155-51580	O-RING	1							
49	3	129190-51590	SPRING, RACK	1							
49-1	3	129155-51591	SPRING, RACK	1							S 2
(A=*2006.05)											
50	3	129155-51600	SHIM PACK	4							
51	3	129555-51701	COVER	1							
52	3	129555-51711	GASKET	1							
53	3	129555-51751	COVER, SIDE	1							
54	3	129555-51761	GASKET, SIDE COVER	1							
55	3	26716-060002	NUT 6	2							
56	3	129156-51910	LABEL, CAUTION	1							
57	3	22190-160002	SEAL WASHER 16S	1							
58	3	22217-050000	SPRING WASHER 5	2							
59	3	22217-060000	SPRING WASHER 6	2							
60	3	22351-050010	SPRING PIN 5X10	2							

Fig.26. FUEL INJECTION PUMP

(A)=4JH4E

(B)=

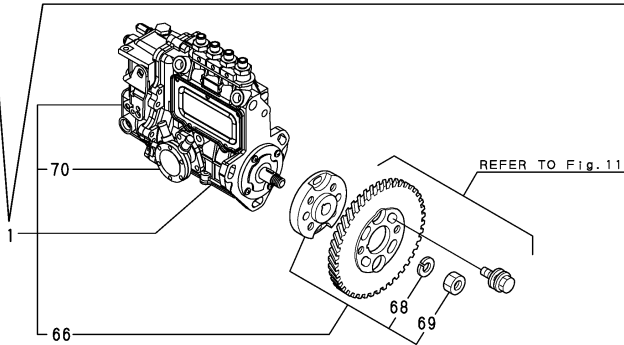
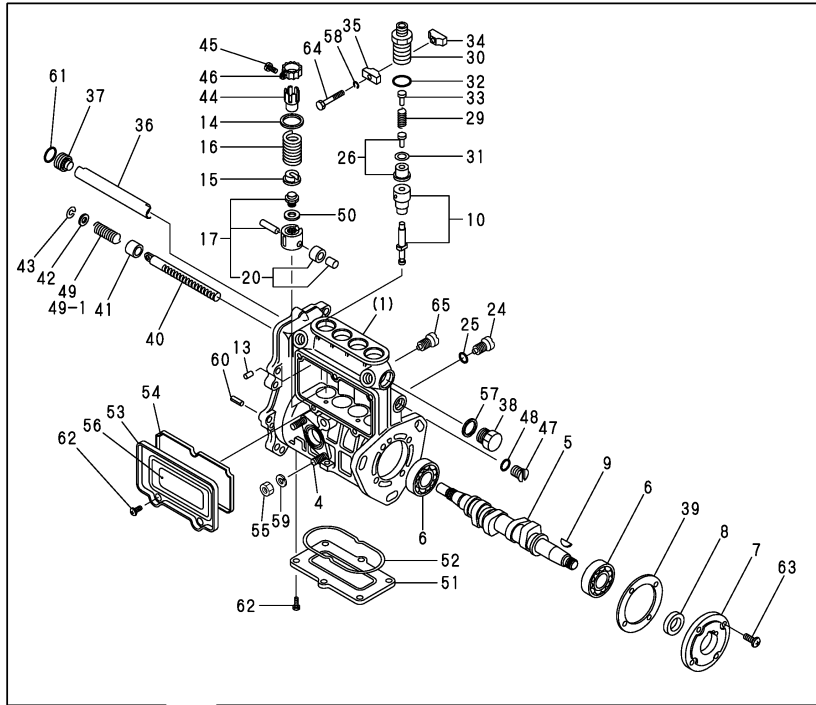
(C)=

(D)=

(E)=

(F)=

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PUBLISHED:2006/5



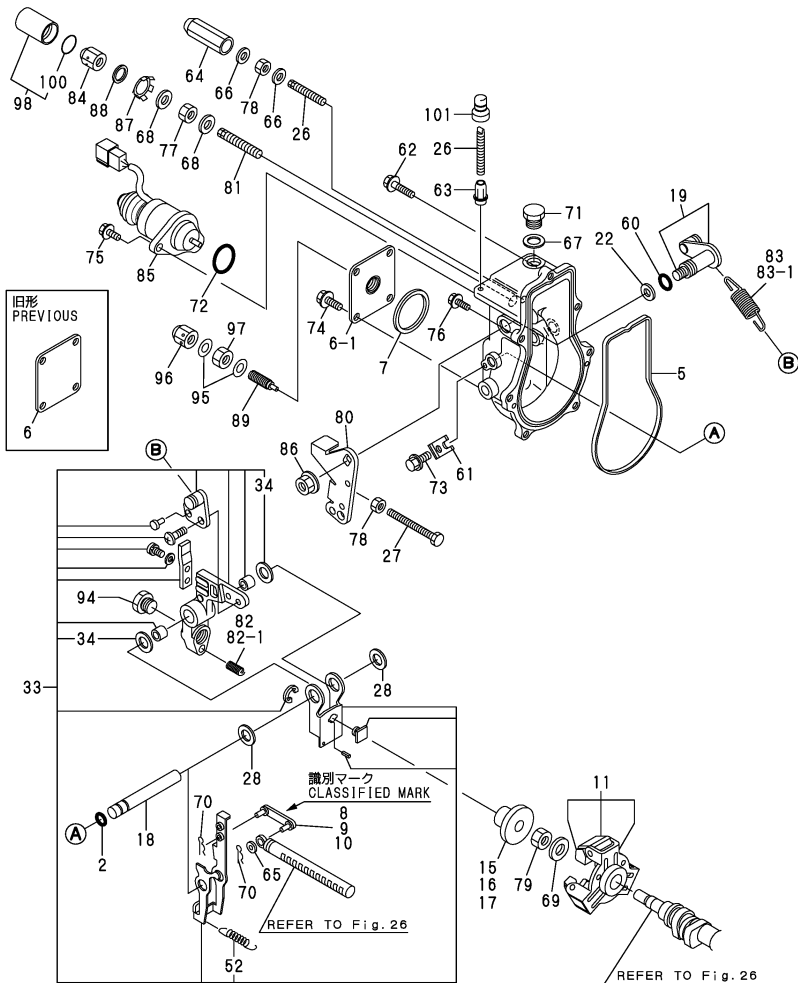
REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
61	3	24341-000160	O-RING 1A S-16.0	1							
62	3	26022-050122	SCREW M 5X 12	11							
63	3	26022-060162	SCREW M 6X 16	4							
64	3	26116-050302	BOLT M 5X 30 PLATED	2							
65	3	129155-51790	LOCKING, RACK	1							
66	3	129208-54500	FLANGE ASSY	1							
68	4	22217-120000	SPRING WASHER 12	1							
69	4	26716-120002	NUT 12	1							
70	2	129158-52000	FUEL PUMP ASSY	1							

Remarks  
 (1)GOVERNOR ASSY(FIG.27)IS INCORPORATED IN THIS FUEL INJECTION PUMP(REF.NO.1)  
 (2)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.49-1 AND FIG.27 NO.6-1,82-1,83-1,89,94,95, 96,97.



Fig.27. GOVERNOR

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PUBLISHED:2006/5



Remarks

- (1)SELECTIVE PARTS:CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REFER TO ILLUSTRATION)
- (2)SELECTIVE PARTS.
- (3)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.6-1,82-1, 83-1,89,94,95,96,97 AND FIG.26 NO.49-1.

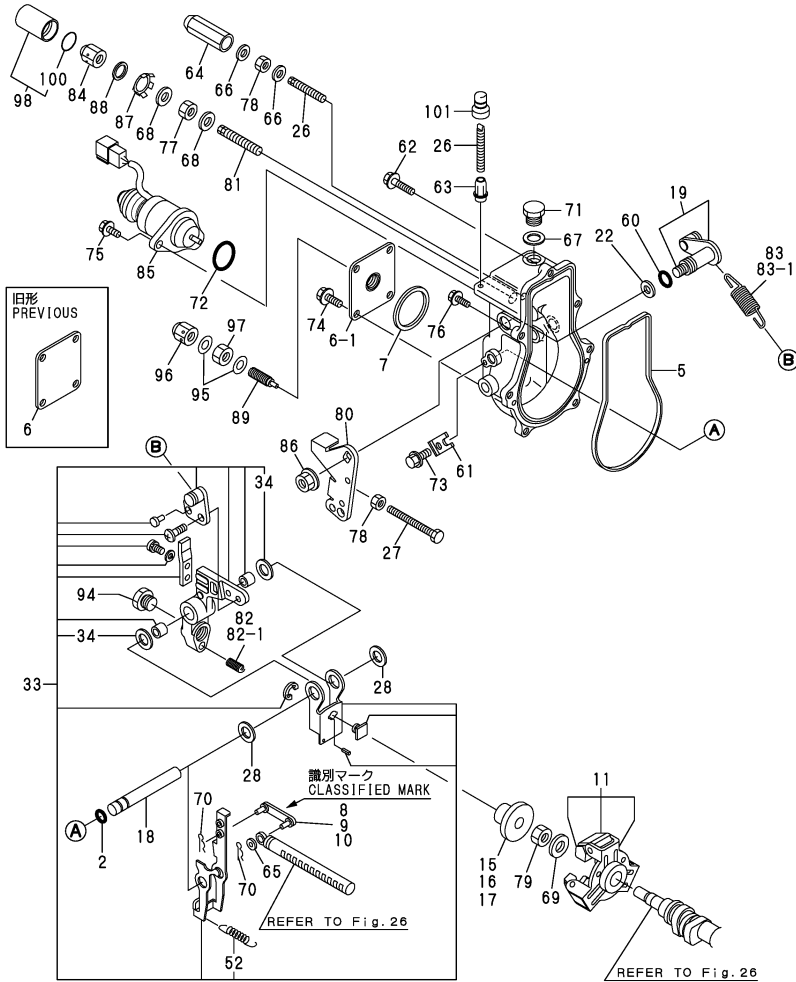
(A)=4JH4E  
(B)=  
(C)=

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

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							
6-1	2	129670-61060	COVER,GOV.CASE	1							S 3
(A=*2006.05)											
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							
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	119800-61650	SPRING, FUEL CONTROL	1							
82-1	2	129670-61650	SPRING, FUEL CONTROL	1							S 3
(A=*2006.05)											
83	2	171353-61700	SPRING, GOVERNOR	1							
83-1	2	171353-61710	SPRING, GOVERNOR	1							S 3

Fig.27. GOVERNOR

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Remarks

- (1)SELECTIVE PARTS:CERTAIN THE CLASSIFICATION MARK, THEN PLACE YOUR ORDER.(REFER TO ILLUSTRATION)
- (2)SELECTIVE PARTS.
- (3)INTERCHANGEABLE BY SIMULTANEOUS REPLACEMENT WITH REF.NO.6-1,82-1, 83-1,89,94,95,96,97 AND FIG.26 NO.49-1.

(A)=4JH4E

(B)=

(C)=

(D)=

(E)=

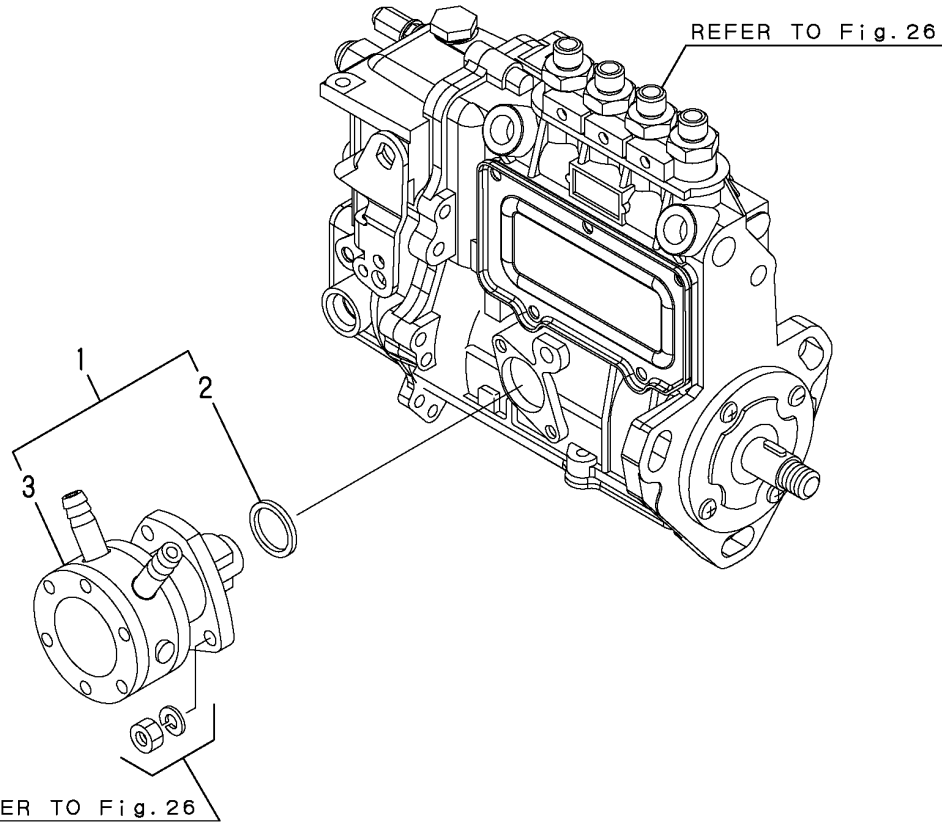
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R	
				(A)	(B)	(C)	(D)	(E)	(F)			
		(A=*2006.05)										
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								
89	2	129295-61550	IDLE SUB.	1						W	3	
		(A=*2006.05)										
94	2	129470-61590	PLUG	1							W	3
		(A=*2006.05)										
95	2	22190-120002	SEAL WASHER 12	2							W	3
		(A=*2006.05)										
96	2	26687-120002	CAP NUT M12	1							W	3
		(A=*2006.05)										
97	2	26776-120002	LOCK NUT M12 PLATED	1							W	3
		(A=*2006.05)										
98	1	129209-61940	CASE ASSY	1								
100	2	24311-000150	O-RING 1A P-15.0	1								
101	1	119285-66610	CAP, HIGH-IDLE	1								

Fig.28. FUEL FEED PUMP

(A)=4JH4E  
(B)=  
(C)=

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

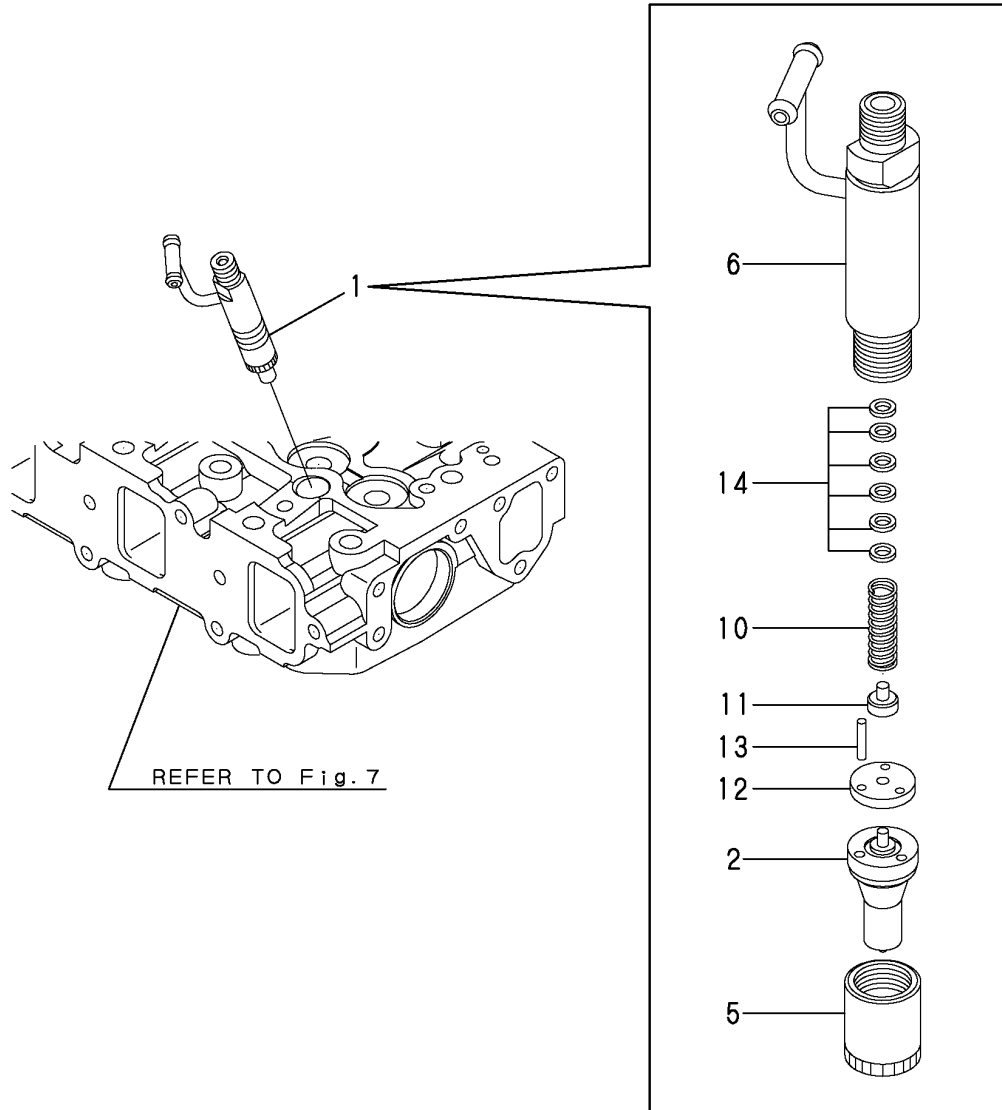


REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	2	129158-52000	FUEL PUMP ASSY	1							
2	3	129155-52051	GASKET	1							
3	3	129158-52100	FEED PUMP ASSY	1							

Fig.29. FUEL INJECTION VALVE

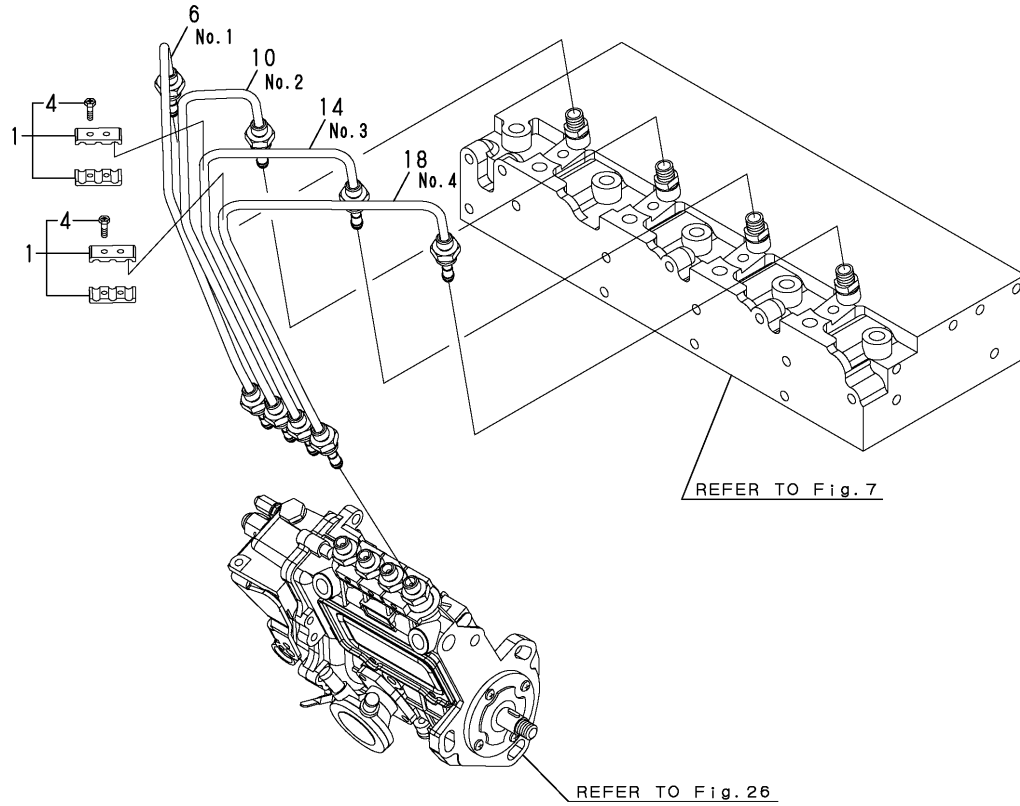
(A)=4JH4E  
(B)=  
(C)=

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



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729602-53101	VALVE ASSY, F.INJECT	4							
2	2	129602-53001	NOZZLE ASSY	4							
5	2	114250-53080	NUT, NOZZLE CASE	4							
6	2	119802-53100	HOLDER ASSY, NOZZLE	4							
10	2	114250-53120	SPRING, NOZZLE	4							
11	2	114250-53130	SEAT, NOZZLE SPRING	4							
12	2	114250-53140	PLATE, STOP	4							
13	2	114250-53210	PIN	8							
14	2	114250-53400	SHIM PACK	4							

Fig.30. FUEL INJECTION PIPE



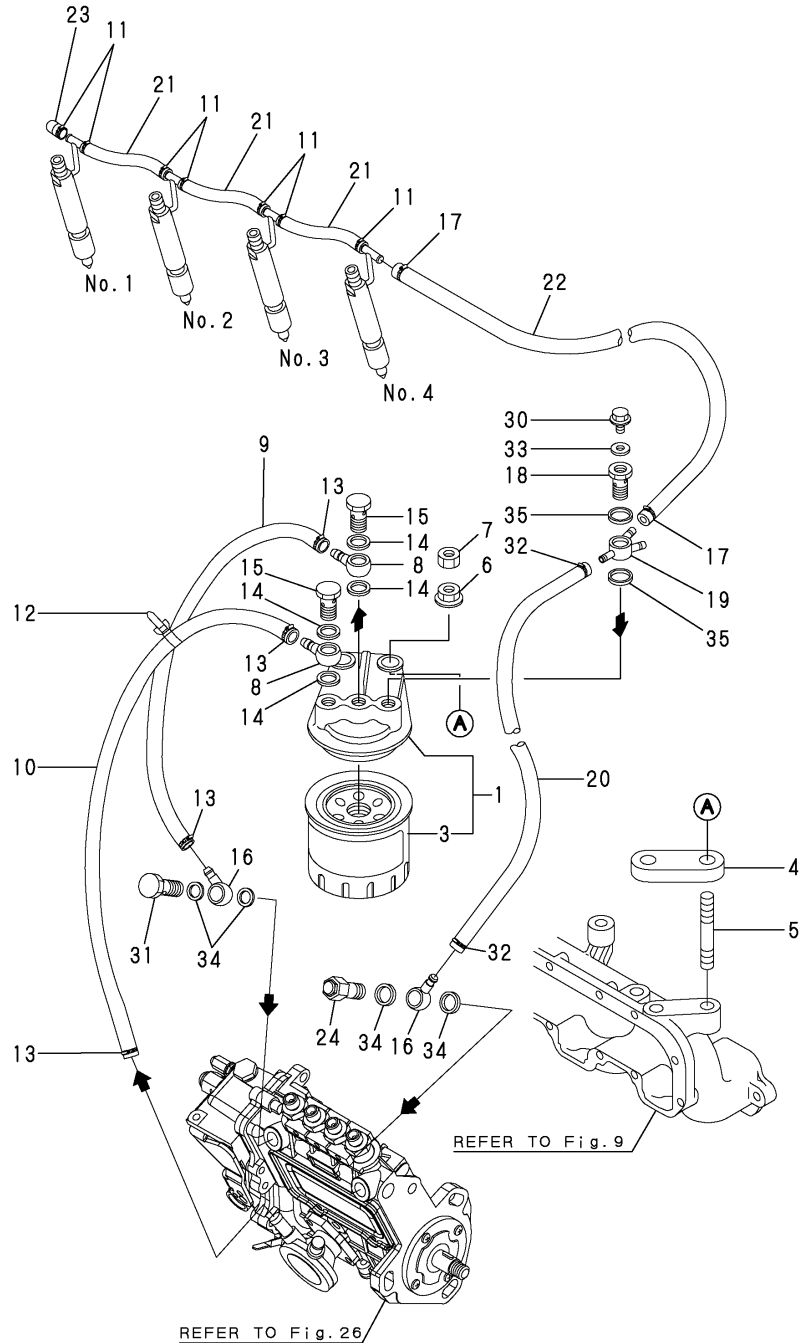
OCR10-G56900 30. FUEL INJECTION PIPE

(A)=4JH4E  
(B)=  
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-59120	RETAINER, INJ. PIPE	2							
4	2	129150-59131	BOLT M4X14,HEX.SCKT.	4							
6	1	129670-59810	PIPE, FUEL INJECTION	1							
10	1	129670-59820	PIPE, FUEL INJECTION	1							
14	1	129670-59830	PIPE, FUEL INJECTION	1							
18	1	129670-59840	PIPE, FUEL INJECTION	1							

Fig.31. FUEL PIPE & FUEL STRAINER



(A)=4JH4E

(B)=

(C)=

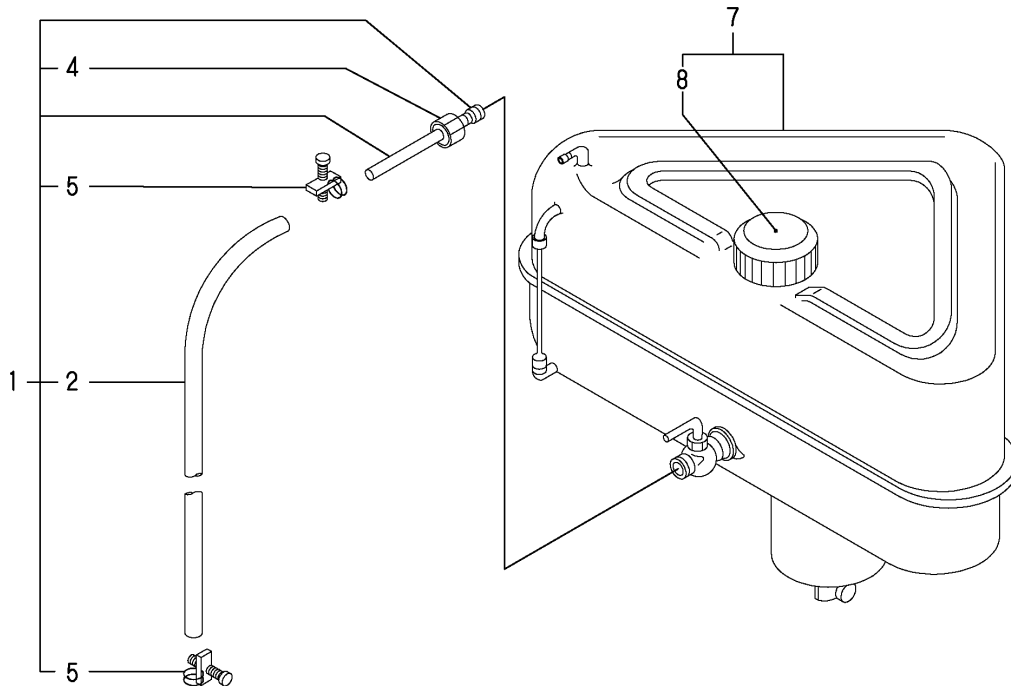
(D)=

(E)=

(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129470-55601	STRAINER ASSY, FUEL	1							
3	2	129470-55702	FILTER, 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	7							
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	3							
22	1	129470-59562	PIPE, FUEL OIL	1							
23	1	129270-59580	CAP	1							
24	1	119813-59950	VALVE ASSY, CHECK	1							
30	1	26106-080102	BOLT M 8X 10 PLATED	1							
31	1	23857-060000	JOINT BOLT 6, PIPE	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							

Fig.32. FUEL TANK(OPTIONAL)



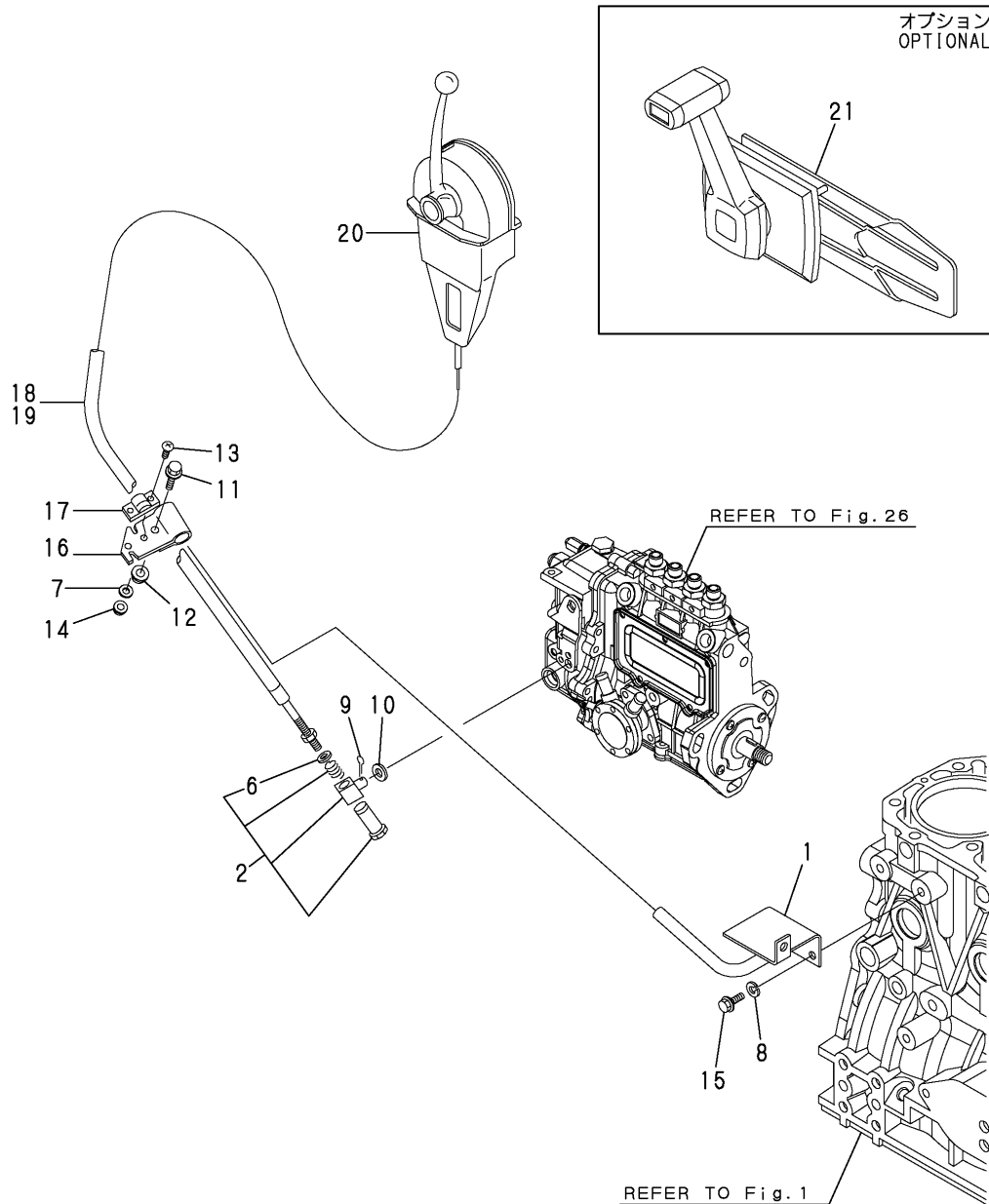
OCR10-G56900 32. FUEL TANK(OPTIONAL)

(A)=4JH4E  
(B)=  
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						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.33. CABLE SUPPORT



(A)=4JH4E

(B)=

(C)=

(D)=

(E)=

(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129670-67100	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.34. CLUTCH

(A)=4JH4E  
(B)=  
(C)=

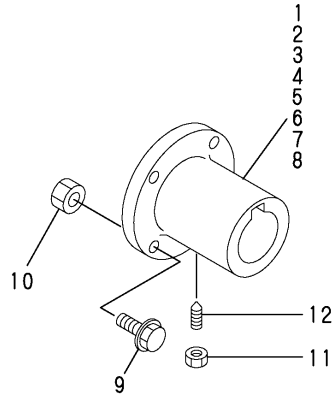
(D)=  
(E)=  
(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129270-81110	CLUTCH, KM35P I=2.36	1							
2	1	129270-81120	CLUTCH, KM35P I=2.61	1							
3	1	129270-81210	CLUTCH, KM35P I=2.36	1							1
4	1	129270-81220	CLUTCH, KM35P I=2.61	1							1
5	1	129670-81200	CLUTCH, KM35A2I=2.33	1							
6	1	129670-81210	CLUTCH, KM35A2I=2.64	1							
7	1	129670-81220	CLUTCH, KM35A2I=2.33	1							1
8	1	129670-81230	CLUTCH, KM35A2I=2.64	1							1
9	1	129670-81040	CLUTCH, KM4A1 I=1.47	1							
10	1	129670-81050	CLUTCH, KM4A1 I=2.14	1							
11	1	129670-81060	CLUTCH, KM4A1 I=2.63	1							
12	1	129670-81070	CLUTCH, KM4A1 I=3.30	1							
13	1	129670-81100	MIRINE GEAR,ZF30M	1							
14	1	129670-81110	MIRINE GEAR,ZF30M	1							
15	1	128170-13600	STUD	2							
16	1	26106-080202	BOLT M 8X 20 PLATED	6							
17	1	26306-080002	NUT	2							

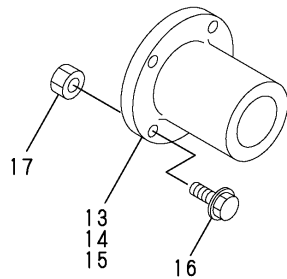
Remarks  
THIS FIGURE ARE NOT ILLUSTRATED.  
(1)WITH SEFETY SWITCH STAY.  
OPTIONAL.

Fig.35. COUPLING(OPTIONAL)

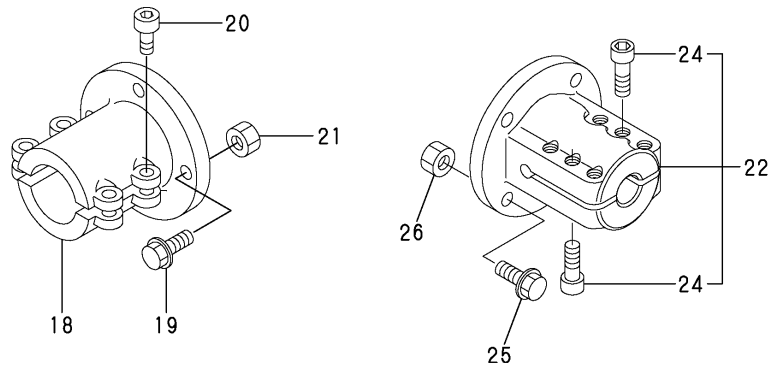
テーパカップリング  
TAPER COUPLING



ストレートカップリング  
STRAIGHT COUPLING



スリットカップリング  
SLIT COUPLING



(A)=4JH4E

(B)=

(C)=

(D)=

(E)=

(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129171-85900	COUPLING,TAPER	1							
2	1	129670-85900	COUPLING,TAPER 34	1							
3	1	129473-85900	COUPLING	1							
4	1	48110-028071	COUPLING,TAPER 28	1							
5	1	48110-032502	COUPLING,TAPER 30	1							
6	1	48110-030061	COUPLING	1							
7	1	48110-032065	COUPLING 32	1							
8	1	48110-034071	COUPLING 34	1							
9	1	26106-100322	BOLT M10X 32 PLATED	4							
10	1	26706-100002	NUT M10	4							
11	1	26756-080002	LOCK NUT M 8 PLATED	1							
12	1	48110-032411	SCREW	1							
13	1	105583-85900	COUPLING 22	1							
14	1	129470-85900	COUPLING	1							
15	1	129673-85100	CUPLING STRAIGHT ZF	1							
16	1	26106-100322	BOLT M10X 32 PLATED	4							
17	1	26706-100002	NUT M10	4							
18	1	104214-83980	COUPLING (20), SLIT	1							
19	1	26106-100322	BOLT M10X 32 PLATED	4							
20	1	26450-080282	BOLT M 8X 28	4							
21	1	26706-100002	NUT M10	4							
22	1	129470-83750	COUPLING	1							
24	2	26450-120402	BOLT M12X 40	6							
25	1	26106-100322	BOLT M10X 32 PLATED	4							
26	1	26706-100002	NUT M10	4							

Fig.36. STARTING MOTOR

(A)=4JH4E

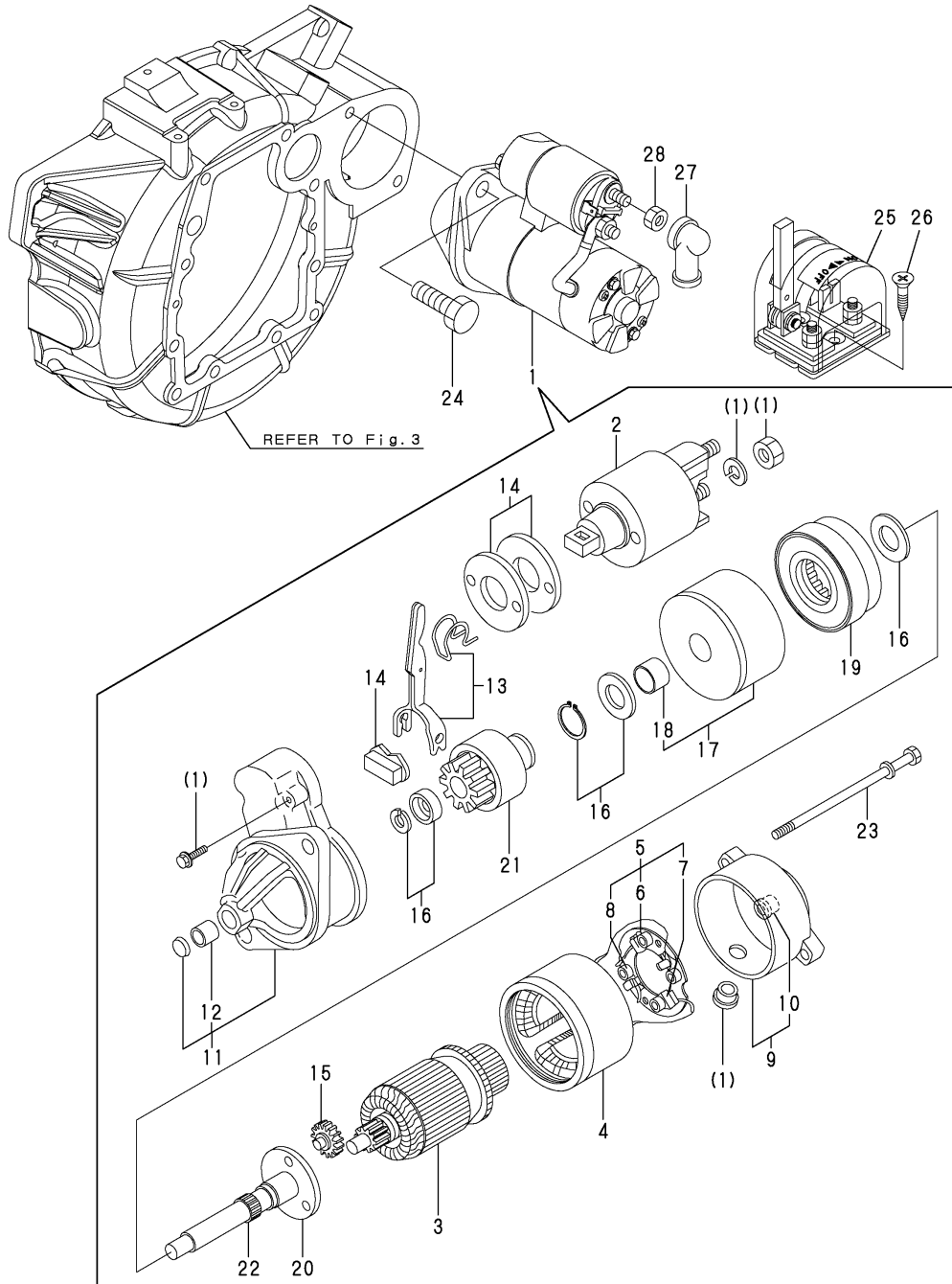
(B)=

(C)=

(D)=

(E)=

(F)=



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							
28	1	26756-080002	LOCK NUT M 8 PLATED	1							

Fig.37. GENERATOR

(A)=4JH4E

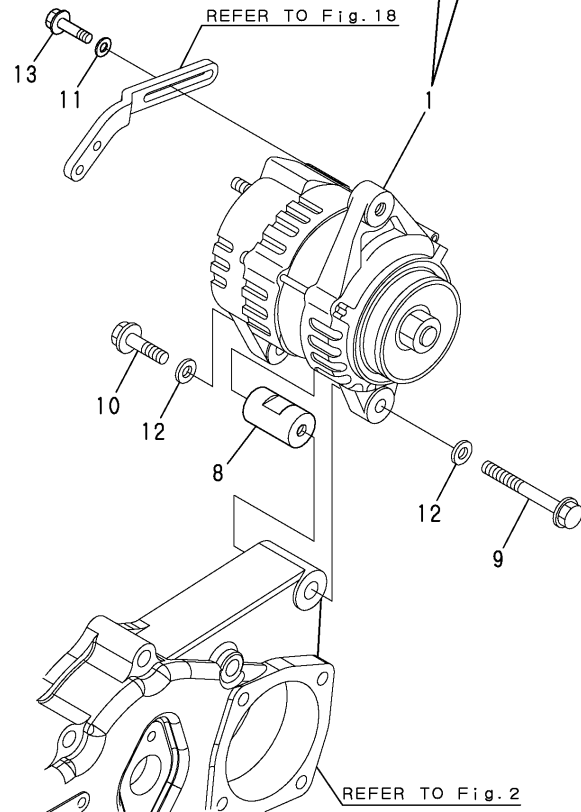
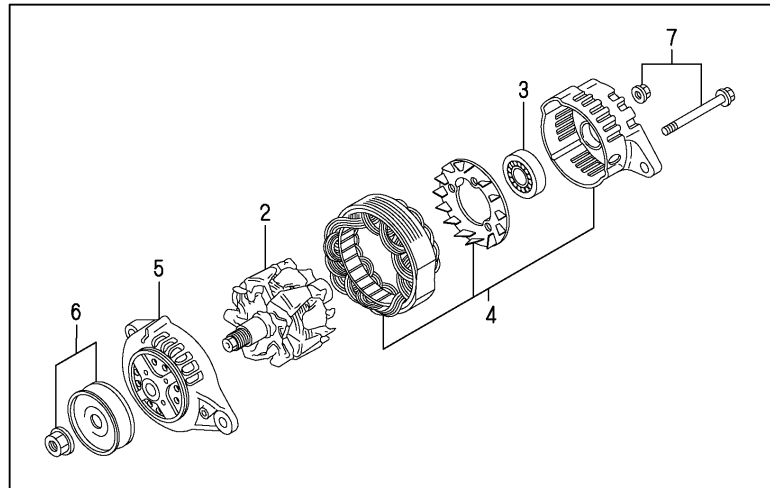
(B)=

(C)=

(D)=

(E)=

(F)=



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						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.38. GENERATOR(80A/OPTIONAL)

(A)=4JH4E

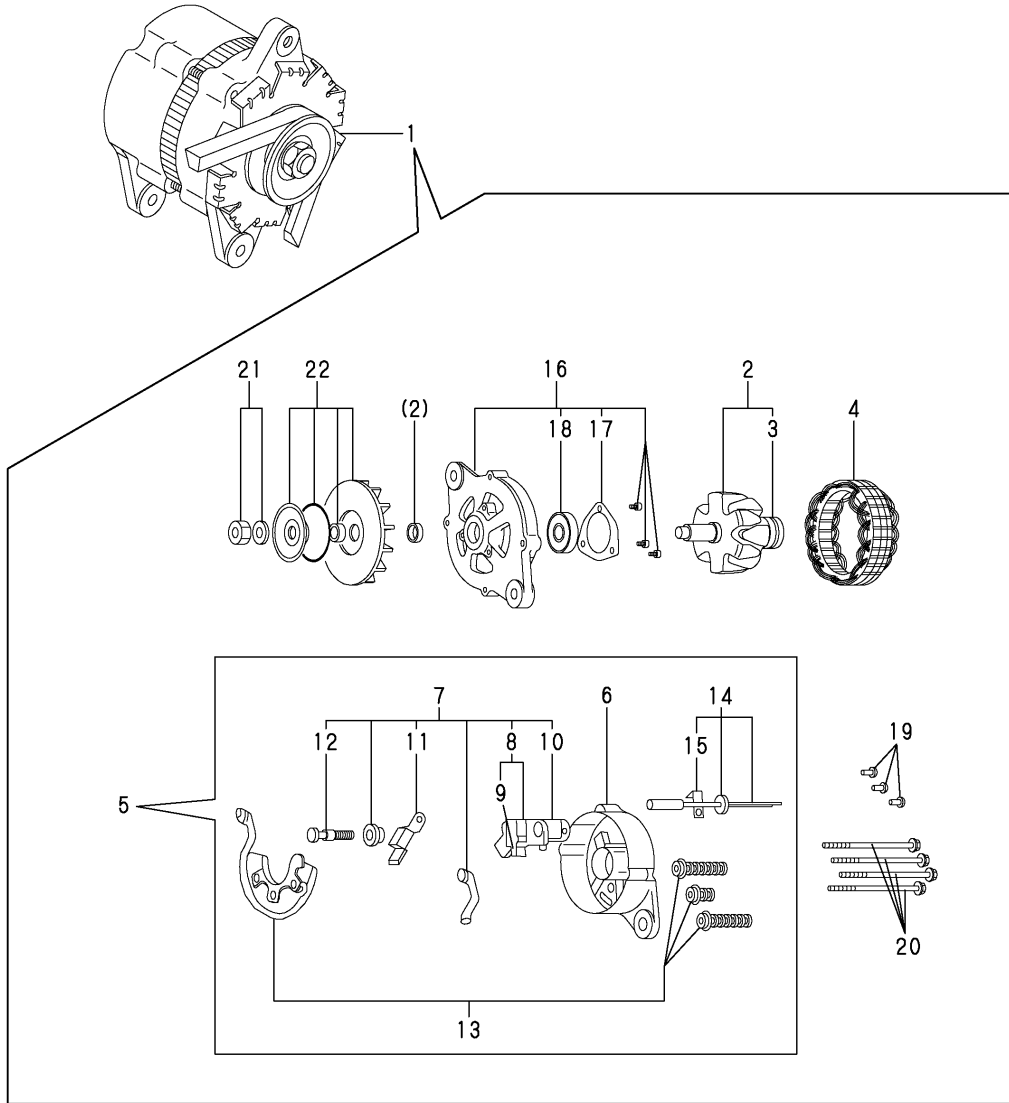
(B)=

(C)=

(D)=

(E)=

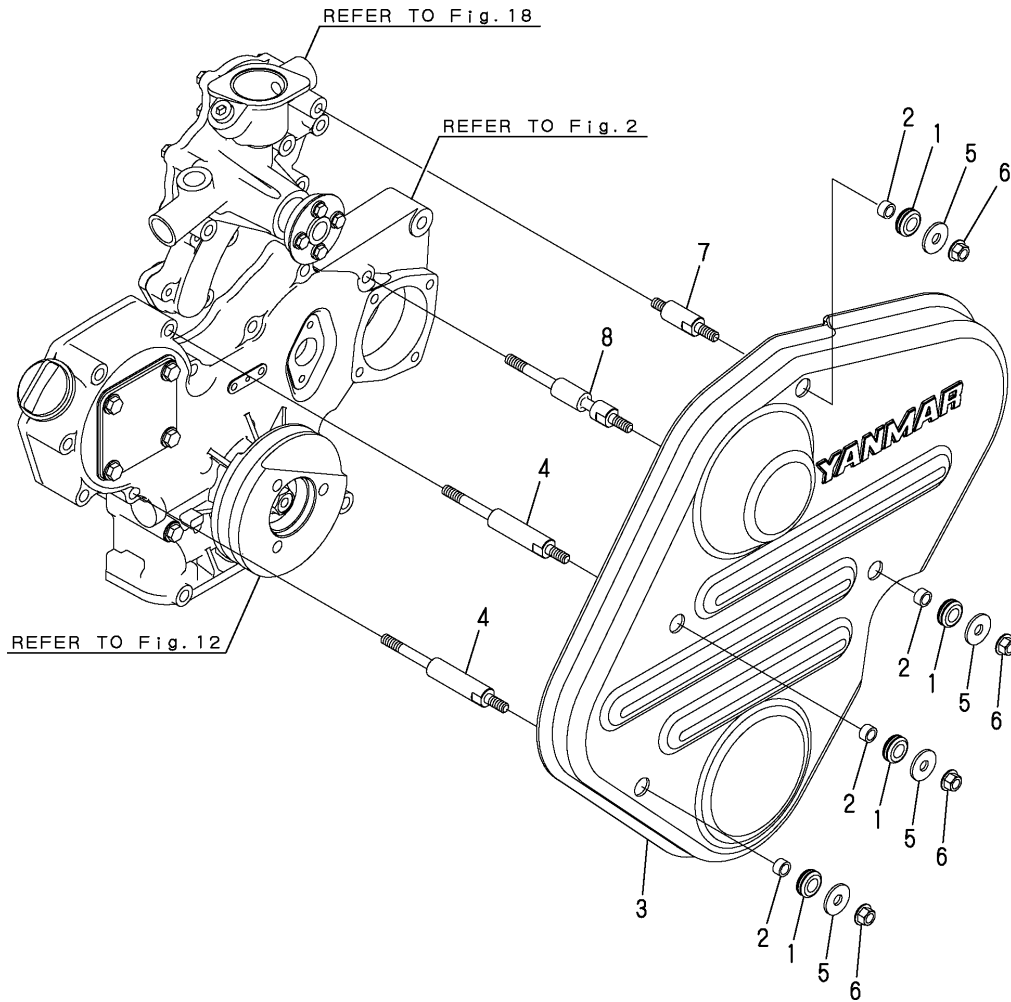
(F)=



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						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.39. V-BELT COVER



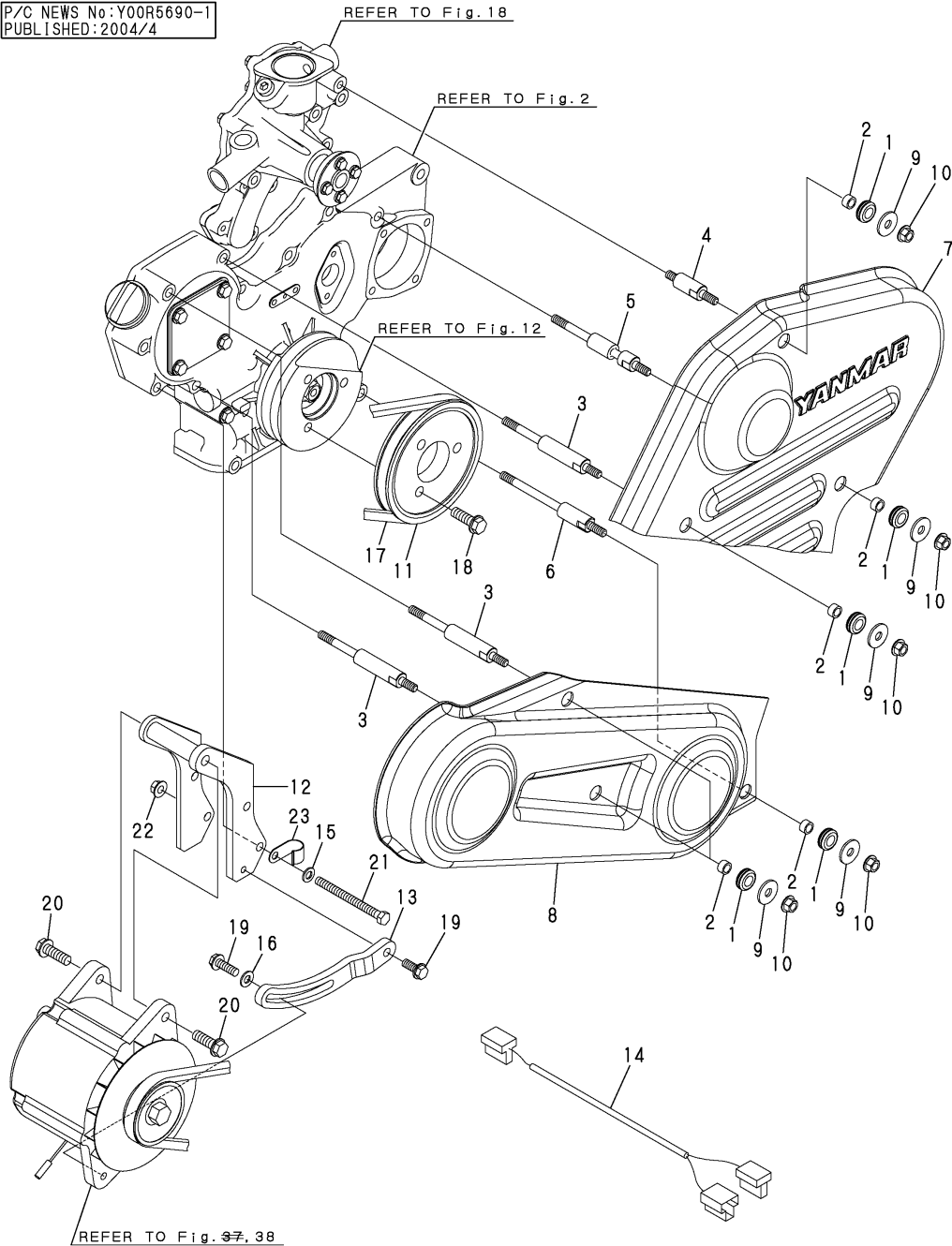
(A)=4JH4E  
(B)=  
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						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	2							
5	1	22157-080000	WASHER 8	4							
6	1	26306-080002	NUT	4							
7	1	129271-77420	BOLT,BELT COVER	1							
8	1	129271-77430	BOLT,BELT COVER	1							

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

P/C NEWS No.:Y00R5690-1  
PUBLISHED:2004/4



## OCR10-G56900 40. V-BELT COVER & GENERATOR ATTACHMENT PART(OPTIONAL)

(A)=4JH4E

(B)=

(C)=

(D)=

(E)=

(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	105100-55501	GROMMET	6							
2	1	105100-55540	COLLAR, FUEL TANK	6							
3	1	129271-77410	BOLT,BELT COVER	3							
4	1	129271-77420	BOLT,BELT COVER	1							
5	1	129271-77430	BOLT,BELT COVER	1							
6	1	129271-77440	BOLT,BELT COVER	1							
7	1	129271-77500	COVER A,BELT	1							
8	1	129271-77510	COVER B,BELT	1							
9	1	22157-080000	WASHER 8	6							
10	1	26306-080002	NUT	6							
11	1	129271-21350	V-PULLEY,FRONT DRIVE	1							
12	1	129271-77310	BRACKET,ALTERNATOR	1							
13	1	129271-77330	ADJUSTER,ALTERNATOR	1							
14	1	129271-77930	HARNES,ALTERNATOR	1							
15	1	22137-080000	WASHER 8, POLISHED	2							
16	1	22137-080000	WASHER 8, POLISHED	1							
17	1	25132-003800	V-BELT A-38	1							
18	1	26106-080252	BOLT M 8X 25 PLATED	4							
19	1	26106-080252	BOLT M 8X 25 PLATED	2							
20	1	26106-100302	BOLT M10X 30 PLATED	2							
21	1	26116-080904	BOLT M 8X 90 PLATED	2							
22	1	26306-080002	NUT	2							
23	1	129150-03100	RETAINER	1							W

(A=FROM 1ST)

Fig.41. WIRE HARNESS & SENSOR

(A)=4JH4E

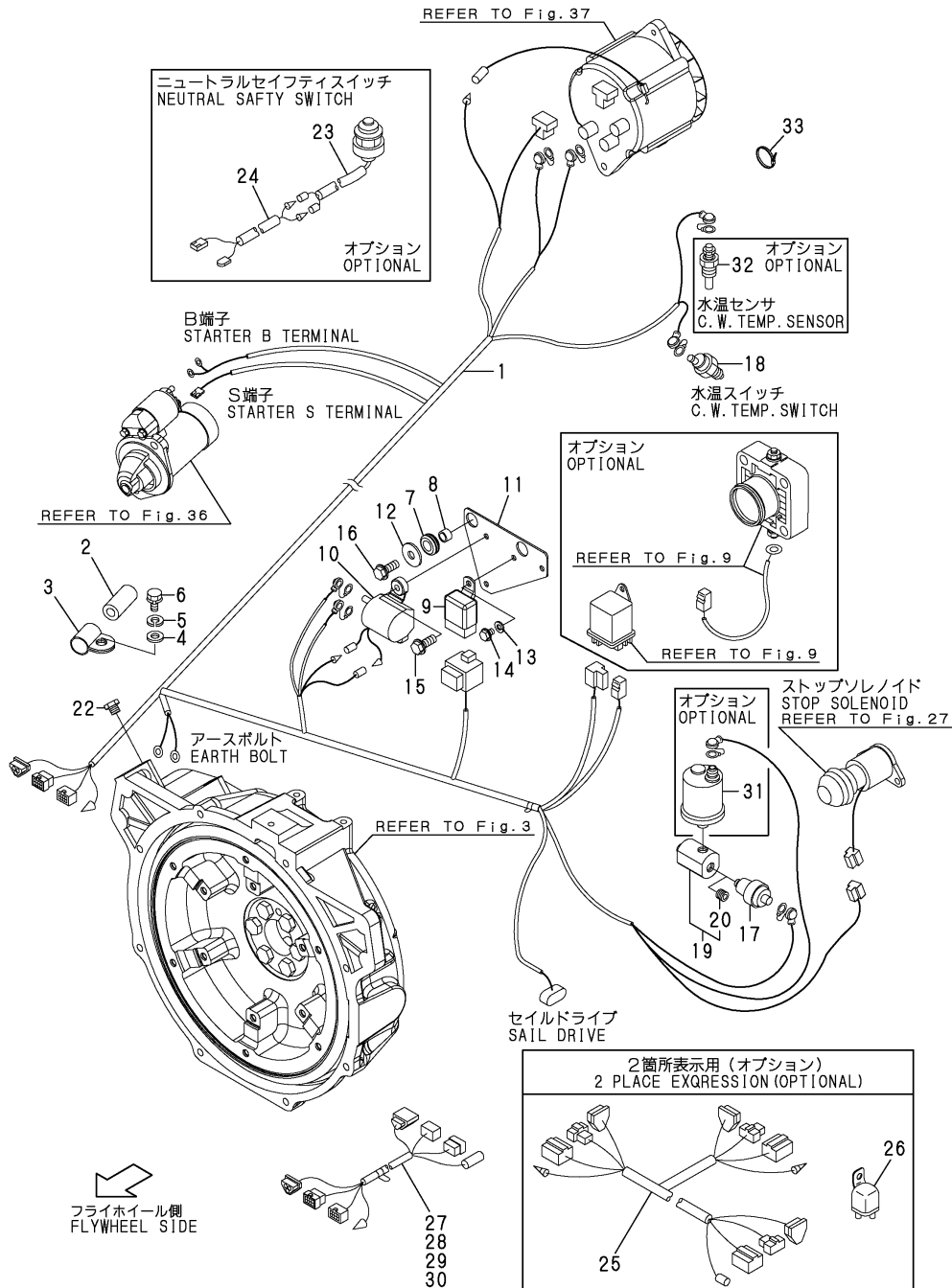
(B)=

(C)=

(D)=

(E)=

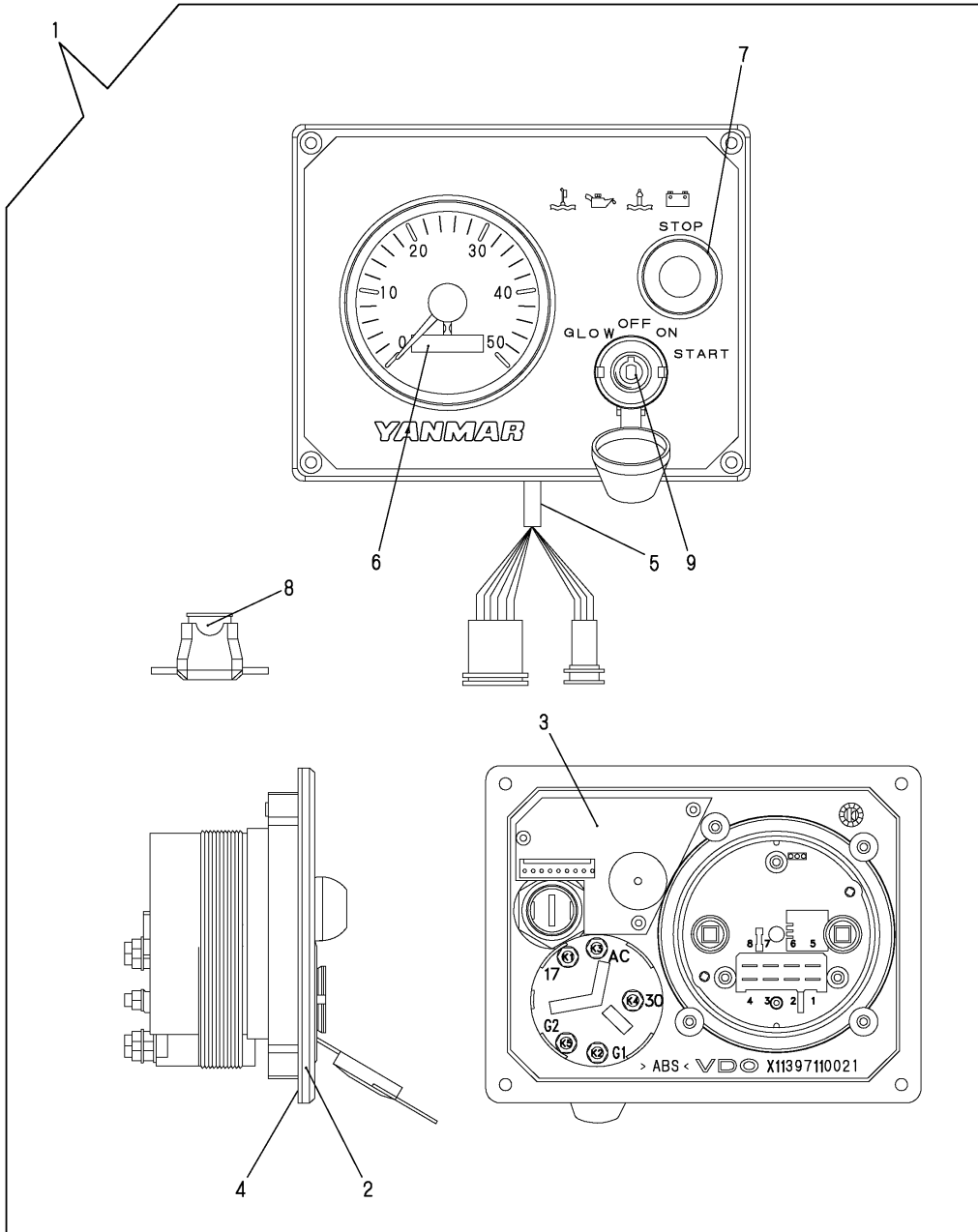
(F)=



REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129670-77910	HARNESS, WIRE	1							
2	1	124770-77940	PROTECTOR	1							
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							
10	1	120270-77511	RELAY, MAGNETIC	1							
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	SENDA UNIT	1							
32	1	119773-91700	SENDA UNIT	1							
33	1	194250-51660	BAND 250	1							



Fig.42. INSTRUMENT PANEL(B-TYPE/OPTIONAL)



OCR10-G56900 42. INSTRUMENT PANEL(B-TYPE/OPTIONAL)

(A)=4JH4E

(B)=

(C)=

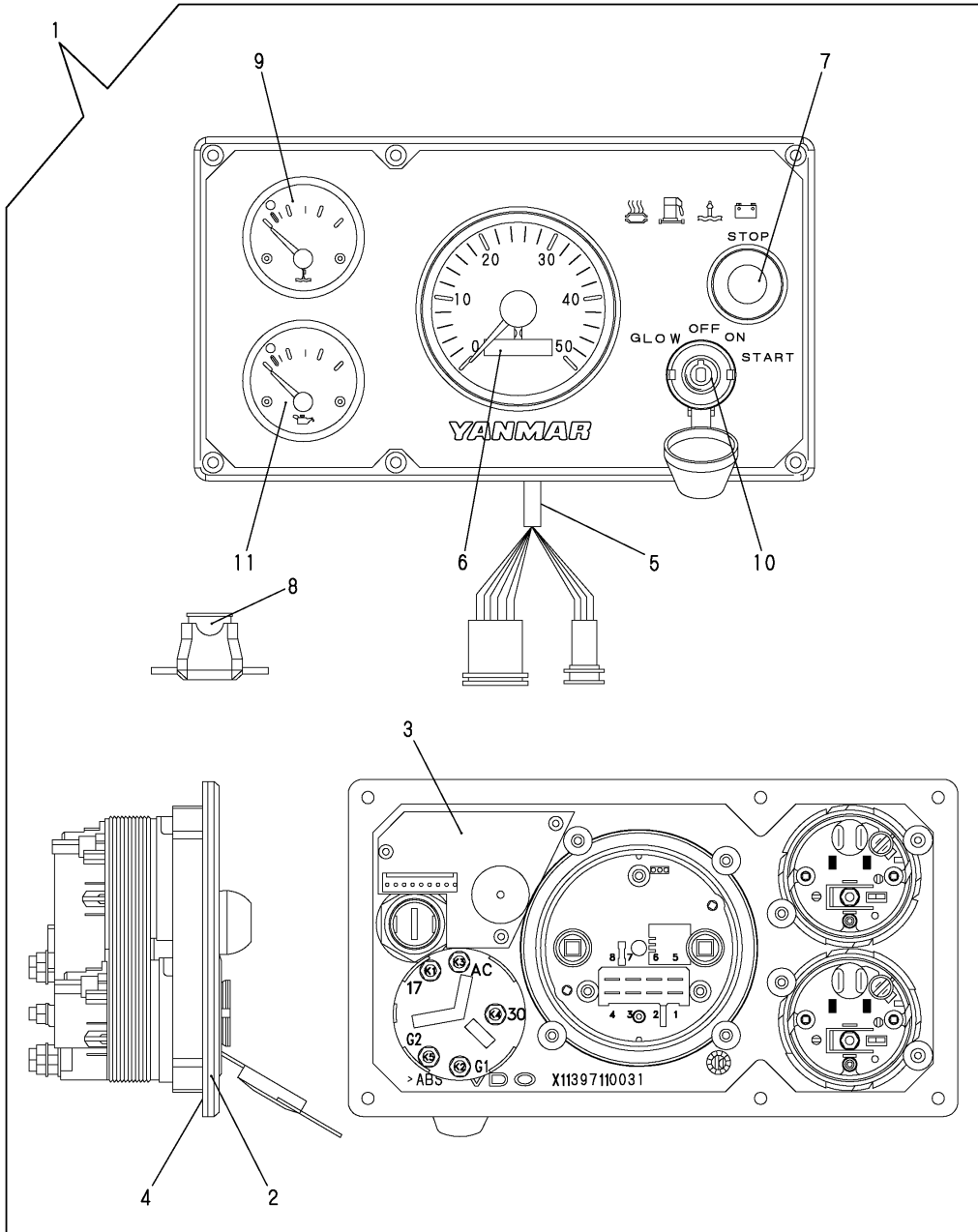
(D)=

(E)=

(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						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	HARNES,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.43. INSTRUMENT PANEL(C-TYPE/OPTIONAL)



OCR10-G56900 43. INSTRUMENT PANEL(C-TYPE/OPTIONAL)

(A)=4JH4E

(B)=

(C)=

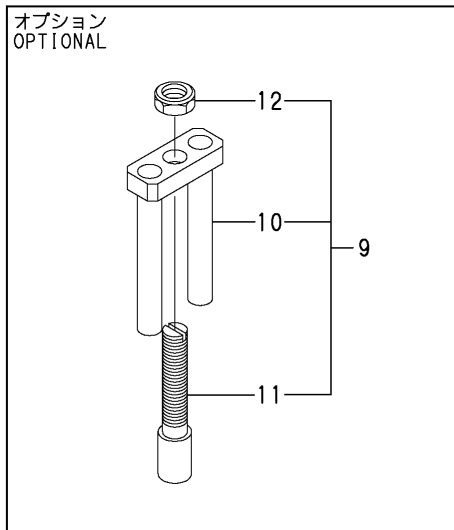
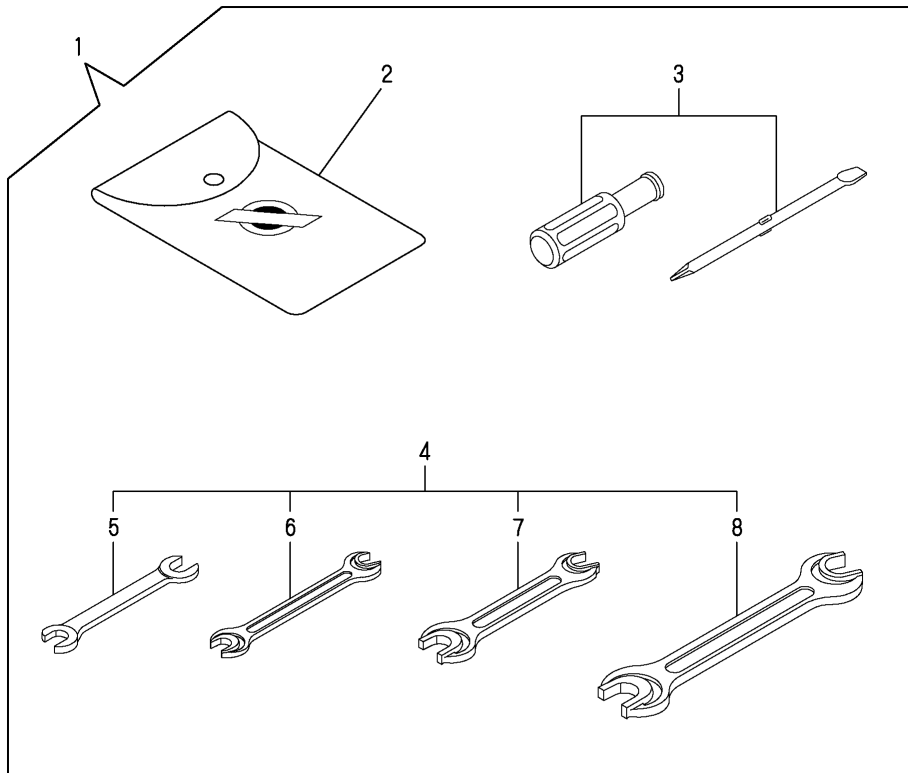
(D)=

(E)=

(F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						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	HARNES,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							

Fig.44. TOOL



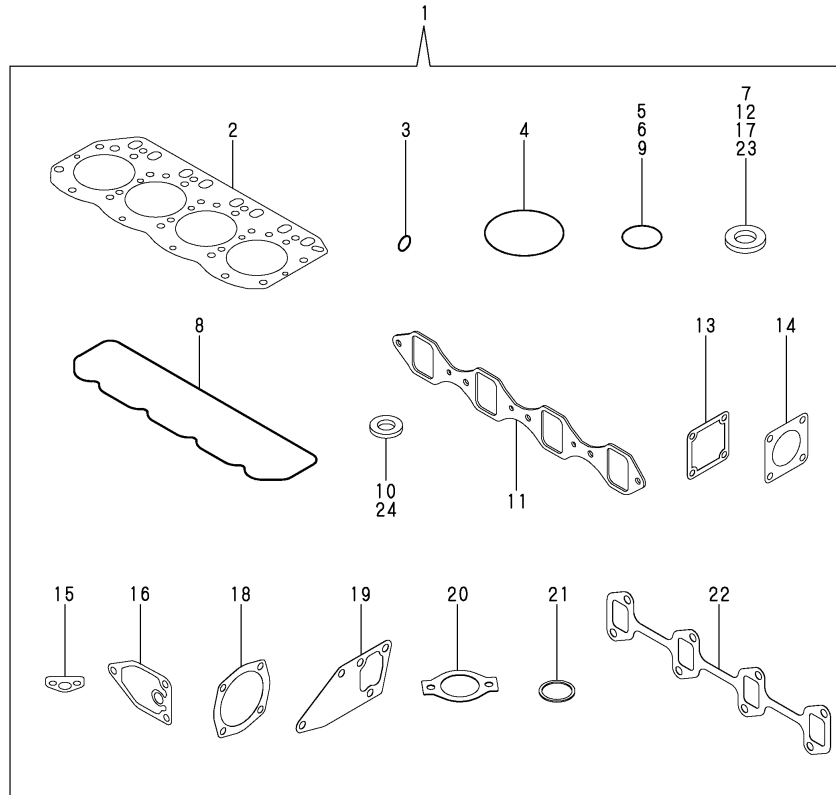
(A)=4JH4E  
(B)=  
(C)=

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

REF.	LEV.	PARTS NO.	DESCRIPTION	QTY						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.45. GASKET SET(OPTIONAL)

P/C NEWS No. : Y00R5690-3  
 PUBLISHED : 2004/12



OCR10-G56900 45. GASKET SET(OPTIONAL)

(A)=4JH4E  
 (B)=  
 (C)=

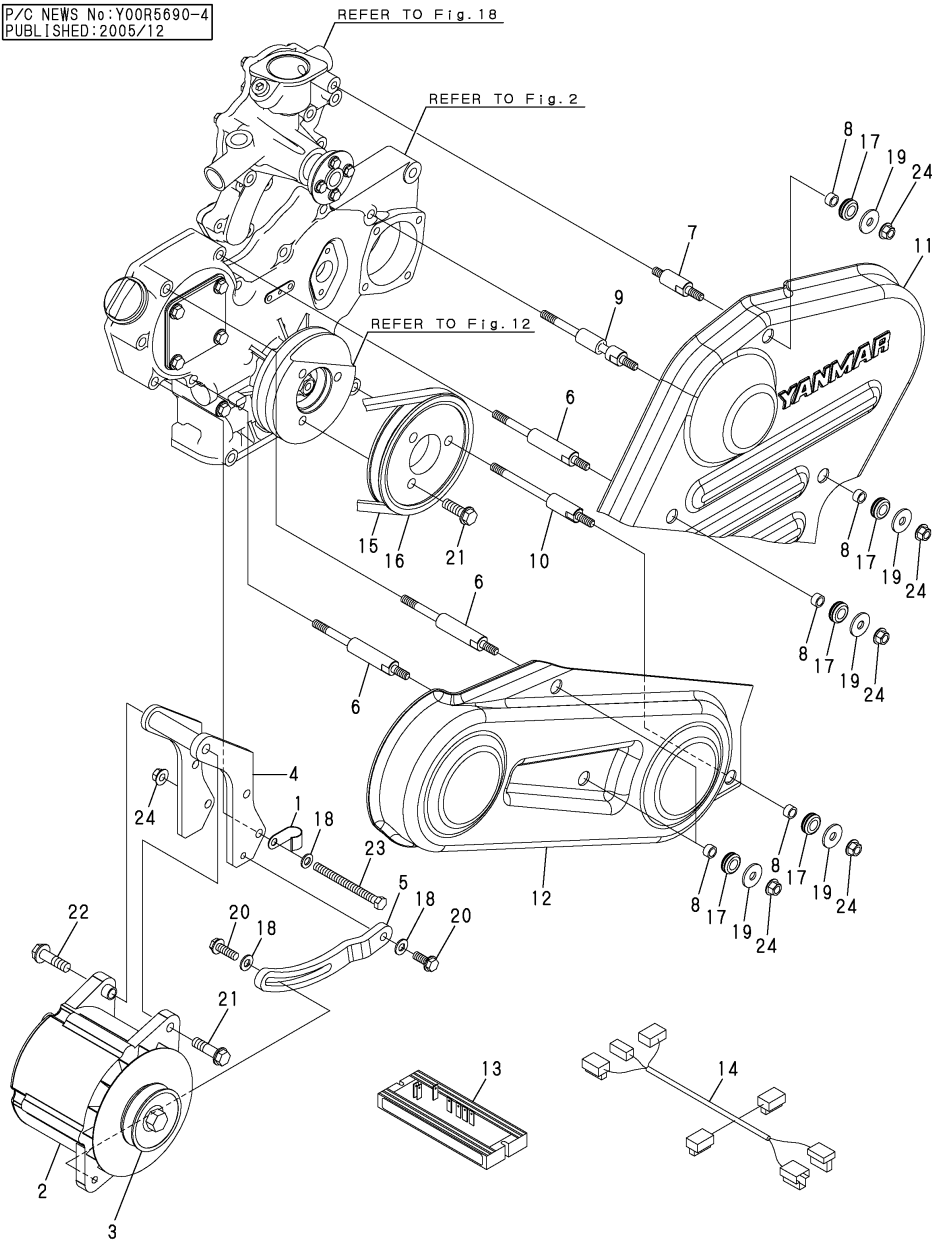
(D)=  
 (E)=  
 (F)=

REF.	LEV.	PARTS NO.	DESCRIPTION	Q'TY						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729670-92600	GASKET SET	1							
2	2	129407-01340	GASKET,CYL.HEAD	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	129601-11310	GASKET,COVER	1							
9	2	24311-000120	O-RING 1A P 12.0	3							
10	2	23414-100000	GASKET 10, ROUND	1							
11	2	129470-12130	GASKET	1							
12	2	22190-080002	SEAL WASHER 8S	4							
13	2	129150-77511	GASKET, (NON-ASB.)	1							
14	2	129472-18090	GASKET	1							
15	2	129150-35042	GASKET, (NON-ASB.)	1							
16	2	129150-35111	GASKET, (NON-ASB.)	1							
17	2	22190-100002	SEAL WASHER 10S	2							
18	2	129150-01881	GASKET, (NON-ASB.)	2							
19	2	129486-42050	GASKET	1							
20	2	129795-49551	GASKET, (NON-ASB.)	1							
21	2	129470-49810	GASKET, (NON-ASB.)	1							
22	2	129550-13110	GASKET, EXH.MANIFOLD	1							
23	2	22190-120002	SEAL WASHER 12	8							
24	2	23414-080000	GASKET 8, ROUND	1							

Remarks  
 THIS FIGURE IS NEWLY ADDED.

# Fig.46. GENERATOR(140A) & GENERATOR ATTACHMENT PART(OPTIONAL)

P/C NEWS No.:Y00R5690-4  
PUBLISHED:2005/12



Remarks  
THIS FIGURE IS NEWLY ADDED.

## OCR10-G56900 46. GENERATOR(140A) & GENERATOR ATTACHMENT PART(OPTIONAL)

(A)=4JH4E (D)=  
(B)= (E)=  
(C)= (F)=

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

## PARTS No. INDEX

PARTS No.	Fig.	Ref.No.
101304-59020	31	8
		16
104214-83980	35	18
105100-55501	39	1
	40	1
	41	7
105100-55540	9	18
	39	2
	40	2
	41	8
105430-55041	32	8
105583-85900	35	13
114250-53080	29	5
114250-53120	29	10
114250-53130	29	11
114250-53140	29	12
114250-53210	29	13
114250-53400	29	14
119129-77250	38	14
119129-77260	38	15
119129-77320	38	3
119129-77890	38	20
119129-77900	38	21
119129-77930	38	19
119173-55700	31	4
119175-42620	16	8
	17	8
119247-77100	41	9
119285-66610	27	101
119573-77201	38	1
119600-66840	27	64
119609-32040	2	17
	45	3
119620-49290	14	24
	19	12
119625-11880	7	19
119660-61901	27	61
119773-42570	16	9 -1
	17	9 -1
119773-91650	41	31
119773-91700	41	32
119773-91850	41	26
119800-61650	27	82
119802-01560	2	13
119802-03110	8	4
119802-03120	8	5
119802-03130	8	6
119802-03140	8	7
119802-11260	7	25
119802-11270	7	26

PARTS No.	Fig.	Ref.No.
119802-11870	7	18
119802-21201	12	5
119802-21660	12	9
119802-25051	11	9
119802-25070	11	12
119802-25100	11	10
119802-32070	2	8
119802-32100	2	7
119802-32130	2	20
119802-35110	14	10
119802-53100	29	6
119813-59950	31	24
119865-21600	12	16
119908-61501	27	33
120130-11860	7	5
120130-91370	41	18
120149-08431	4	26
120270-54410	7	22
120270-77101	41	23
120270-77511	41	10
120322-33050	19	9
120323-61470	27	81
121023-01550	2	28
121111-21501	12	12
121400-11340	7	15
121450-01560	16	24
	17	28
121550-23200	13	13
121750-59890	8	19
	31	12
121850-21680	12	11
121850-51960	2	21
	45	4
122710-51050	26	6
122710-51090	26	9
123310-77640	36	25
123325-49421	10	7
	16	18 -1
123682-07852	6	4
123900-77700	37	2
123900-77730	37	5
124060-01050	1	10
124060-39452	41	17
124070-59060	32	1
124070-59130	32	2
124070-77950	41	3
124080-77390	38	10
124080-77520	38	12
124160-01751	2	14
	8	13

PARTS No.	Fig.	Ref.No.
124160-01910	1	5
		15
124160-11360	8	15
124160-39140	15	2
124195-77770	36	23
124240-01871	2	15
	16	25
	17	25
124413-39100	14	28
124460-11340	7	16
124460-77680	14	30
	19	19
	20	9
	21	8
124550-51350	26	31
124550-51370	26	32
124550-59820	15	3
124550-77030	36	27
124770-77940	41	2
124950-51190	26	16
124976-34850	1	39
127412-91250	42	9
	43	10
128170-13600	19	18
	34	15
128170-86501	33	21
128271-77200	37	1
128271-77720	37	4
128271-77740	37	6
128271-77750	37	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
128391-77720	41	29
128397-44500	19	23
128397-44510	19	25
128990-77430	46	8
128990-77610	46	17
128990-77910	9	24
129001-01250	1	11
129001-02930	1	25
129001-32330	2	11
129001-91841	2	22
129004-01520	2	12
129004-03010	8	2

PARTS No.	Fig.	Ref.No.
129004-11100	7	10
129004-11650	7	30
129004-11900	7	20
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	27	5
129052-61060	27	6
129052-61071	27	7
129052-61390	27	18
129054-42320	18	2
129100-01580	3	1
		5
	12	2
129100-01640	3	6
129100-11110	7	11
129100-23910	13	16
129100-51560	26	46
129100-51570	26	45
129100-61400	27	19
129100-61440	27	80
129100-77510	9	23
129120-77501	9	22
129150-01200	1	31
129150-01881	16	22
		26
	17	22
		26
	45	18
129150-02020	1	7
129150-02450	11	4
129150-02870	1	33
129150-02930	1	28
129150-02940	1	36
129150-03070	8	3
129150-03100	40	23
	46	1
129150-11230	7	31
129150-11280	7	27
129150-11370	7	17
129150-11750	7	33
129150-11810	7	7
129150-14101	11	7
129150-14200	11	1
129150-14400	11	2
129150-23600	13	14

## PARTS No. INDEX

PARTS No.	Fig.	Ref.No.
129150-23610	13	17
129150-25301	11	14
129150-25931	11	15
129150-35042	14	1
	45	15
129150-35111	14	12
	45	16
129150-35153	14	13
129150-42129	18	7
129150-42300	18	6
129150-59120	30	1
129150-59131	30	4
129150-77511	9	12
	45	13
129155-51020	26	4
129155-51140	26	13
129155-51180	26	15
129155-51200	26	17
129155-51270	26	24
129155-51280	26	25
	27	2
129155-51380	26	34
129155-51390	26	35
129155-51410	26	37
129155-51420	26	38
129155-51450	26	39
129155-51521	26	41
129155-51530	26	42
129155-51540	26	43
129155-51550	26	44
129155-51570	26	47
129155-51580	26	48
129155-51591	26	49 -1
129155-51600	26	50
129155-51790	26	65
129155-52051	28	2
129155-61120	27	8
129155-61130	27	9
129155-61140	27	10
129155-61341	27	15
129155-61350	27	16
129155-61360	27	17
129155-61430	27	22
129155-61450	27	26
129155-61460	27	27
129155-61480	27	28
129155-61830	27	60
129155-61950	27	62
129156-44760	18	32
129156-51910	26	56

PARTS No.	Fig.	Ref.No.
129158-52000	26	70
	28	1
129158-52100	28	3
129171-85900	35	1
129190-51590	26	49
129202-22300	13	7
129208-54500	26	66
129209-61370	27	63
129209-61930	27	84
129209-61940	27	98
129209-61970	27	87
129270-44500	19	24
129270-49040	20	3
	21	1
129270-49400	18	17
129270-59550	31	21
129270-59580	31	23
129270-81110	34	1
129270-81120	34	2
129270-81210	34	3
129270-81220	34	4
129270-92100	44	1
129270-92600	44	2
129270-92610	44	5
129270-92620	44	6
129270-92630	44	7
129270-92640	44	8
129270-92650	44	3
129270-92690	44	4
129271-01500	2	1
129271-12310	9	14
129271-12810	9	17
129271-21350	40	11
129271-34880	5	11
129271-42000	18	1
129271-42500	16	1
129271-42510	16	8 -1
	17	8 -1
129271-42700	16	21
129271-49010	20	1
129271-49110	20	4
	17	
	24	
	41	
129271-49250	22	5
129271-77200	46	2
129271-77210	46	3
129271-77310	40	12
	46	4
129271-77330	40	13

PARTS No.	Fig.	Ref.No.
129271-77330	46	5
129271-77400	39	3
129271-77410	39	4
	40	3
	46	6
129271-77420	39	7
	40	4
	46	7
129271-77430	39	8
	40	5
	46	9
129271-77440	40	6
	46	10
129271-77500	40	7
	46	11
129271-77510	40	8
	46	12
129271-77520	46	13
129271-77530	46	14
129271-77540	46	15
129271-77560	46	16
129271-77920	9	27
129271-77930	40	14
129271-77950	27	85
129271-77960	41	11
129271-91110	42	1
129271-91120	42	2
129271-91130	42	3
129271-91140	42	4
129271-91150	42	5
129271-91160	43	1
129271-91170	43	2
129271-91180	43	3
129271-91190	43	4
129271-91200	43	5
129271-91210	42	6
	43	6
129271-91220	42	7
	43	7
129271-91230	42	8
	43	8
129271-91240	43	9
129271-91250	43	11
129295-61550	27	89
129400-01730	5	5
129407-01340	1	32
	45	2
129410-03990	8	18
129417-33110	14	8
129417-35150	14	11

PARTS No.	Fig.	Ref.No.
129418-32320	2	10
129470-07230	7	40
129470-08100	4	15
129470-12120	9	3
129470-12130	9	7
	45	11
129470-13541	10	4
129470-49010	20	2
	21	2
129470-49220	22	2
129470-49540	18	25
129470-49801	18	27
129470-49810	18	28
	45	21
129470-51080	26	8
129470-51101	26	10
129470-55601	31	1
129470-55702	31	3
129470-59122	31	9
129470-59530	31	19
129470-59542	31	20
129470-59562	31	22
129470-61590	27	94
129470-67200	33	2
129470-83750	35	22
129470-85900	35	14
129470-86500	33	19
129470-92300	44	9
129470-92310	44	10
129470-92320	44	11
129472-13560	10	5
129472-18090	10	2
	45	10
	14	
129473-08100	4	20
129473-08110	4	21
129473-85900	35	3
129486-01670	3	9
129486-12581	9	11
129486-42050	18	16
	45	19
129486-51060	26	7
129486-61201	27	11
129486-61540	27	52
129495-59300	31	18
129495-77330	18	21
129506-51040	26	5
129508-32111	2	18
129508-32120	2	19
129508-33010	14	7



## PARTS No. INDEX

PARTS No.	Fig.	Ref.No.
129508-49030	14	20
129550-13110	19	17
	45	22
129550-42350	18	31
129555-51400	26	36
129555-51500	26	40
129555-51701	26	51
129555-51711	26	52
129555-51751	26	53
129555-51761	26	54
129570-59121	31	10
129570-77960	41	24
129573-51330	26	29
129573-51340	26	30
129573-51370	26	33
129574-77710	41	27
129574-77720	41	28
129574-77740	41	30
129574-77980	41	25
129601-11241	7	24
129601-11251	7	28
129601-11310	8	10
	45	8
129601-11350	8	1
129601-21001	12	1
129602-53001	29	2
129608-77010	36	1
129608-77110	36	4
129612-77710	37	3
129657-49020	14	15
129657-49180	14	17
129670-01600	3	2
129670-01700	5	1
129670-03090	8	17
129670-07520	6	11
129670-08100	4	7
129670-08110	4	8
129670-08120	4	9
129670-08130	4	10
129670-08150	4	16
129670-08160	4	17
129670-08180	4	22
129670-08190	4	23
129670-08210	4	1
129670-08220	4	2
129670-08230	4	3
129670-08240	4	4
129670-08340	4	27
129670-08350	4	28
129670-11700	7	1

PARTS No.	Fig.	Ref.No.
129670-11920	19	28
129670-11930	19	29
129670-11940	19	30
129670-11950	19	31
129670-12350	9	15
129670-12410	9	16
129670-13560	10	1
129670-21590	12	13
129670-22020	13	1
129670-34800	5	10
129670-35090	14	2
129670-39110	15	1
129670-39600	41	19
129670-42511	17	1
129670-42520	16	6
	17	6
129670-42530	16	3
	17	3
129670-42540	16	5
	17	5
129670-42550	16	7
	17	7
129670-42560	16	11
	17	11
129670-42570	16	20
	17	20
129670-42580	16	17
	17	17
129670-42700	17	21
129670-44150	19	6
129670-44430	19	8
129670-44450	19	11
129670-44460	19	7
129670-44570	19	26
129670-44910	19	1
129670-49020	20	38
129670-49090	20	45
129670-49110	21	3
129670-49150	20	13
129670-49210	20	31
129670-49220	20	32
		46
129670-49230	20	35
129670-49240	20	36
129670-49250	20	26
129670-49260	20	19
129670-49270	20	20
		27
129670-49280	10	6
129670-49290	20	5

PARTS No.	Fig.	Ref.No.
129670-49290	21	4
	22	6
129670-49360	20	40
129670-49410	20	33
129670-49500	10	9
	20	8
		14
		21
		28
		34
		42
		47
	21	7
	22	9
	23	13
129670-51300	26	26
129670-59810	30	6
129670-59820	30	10
129670-59830	30	14
129670-59840	30	18
129670-61060	27	6 -1
129670-61650	27	82 -1
129670-67100	33	1
129670-77340	37	8
129670-77910	41	1
129670-81040	34	9
129670-81050	34	10
129670-81060	34	11
129670-81070	34	12
129670-81100	34	13
129670-81110	34	14
129670-81200	34	5
129670-81210	34	6
129670-81220	34	7
129670-81230	34	8
129670-81850	12	25
129670-85900	35	2
129671-49110	20	18
		25
129671-49120	20	39
129671-49210	22	1
129673-44090	19	4
129673-44130	19	5
129673-49220	22	3
129673-49230	22	4
129673-81250	12	23
129673-85100	35	15
129693-44300	7	37
129695-77370	37	9
129695-77380	37	10

PARTS No.	Fig.	Ref.No.
129698-12100	9	1
129698-77020	36	2
129698-77101	36	3
129698-77120	36	5
129698-77130	36	7
129698-77140	36	6
129698-77150	36	8
129698-77161	36	9
129698-77170	36	10
129698-77180	36	17
129698-77190	36	18
129698-77200	36	19
129698-77210	36	20
129698-77220	36	21
129698-77230	36	22
129698-77240	36	15
129698-77250	36	16
129698-77260	36	11
129698-77270	36	13
129698-77280	36	14
129795-01780	3	8
129795-01800	2	6
129795-01950	2	16
129795-02411	1	14
129795-11120	7	12
129795-11180	7	13
129795-21661	12	10
129795-48800	23	1
129795-49551	18	26
	45	20
129900-07900	7	38
129900-32130	2	9
138603-59380	32	4
158552-61900	27	72 -1
171008-03990	14	21
171051-01921	1	6
171353-61700	27	83
171353-61710	27	83 -1
174307-51170	26	14
174307-51700	27	34
177070-03520	12	21
177073-02431	6	13
177088-02430	6	5
177090-03500	12	17
177099-03500	12	19
194250-51660	41	33
196440-04310	12	19 -1
196630-12980	6	12
41701-001720	33	16
41710-000380	33	18

## PARTS No. INDEX

PARTS No.	Fig.	Ref.No.
41710-000410	33	17
41730-000681	33	20
43530-500570	20	15
43662-025030	20	16
43720-001220	14	29
48110-028071	35	4
48110-030061	35	6
48110-032065	35	7
48110-032411	35	12
48110-032502	35	5
48110-034071	35	8
711100-51540	26	20
729402-14580	11	3
729402-23100	13	9
729602-01560	1	1
729602-53101	29	1
729670-51450	26	1
729670-92600	45	1
83213-003012	32	7
977780-01200	25	1
977780-01210	24	1
977780-01230	24	2
	25	2
977780-01240	25	3
977780-01250	24	3
977780-03000	24	9
	25	9
X00190001	16	13 -1
	17	13 -1
X00370017	16	16 -1
	17	16 -1
X00371040	16	19 -1
	17	19 -1
X0044021509	24	7
	25	7
X01357681	16	18
	17	18
X0146531	16	4
	17	4
X02230015	16	12 -1
	17	12 -1
X02233001	16	14 -1
	17	14 -1
X03431483	16	10 -1
	17	10 -1
X0505526	16	13
	17	13
X0506590	16	9
	17	9
X0508129	16	10

PARTS No.	Fig.	Ref.No.
X0508129	17	10
X0519503	16	12
	17	12
X0529105	16	14
	17	14
X0529530	16	15
	17	15
X0534130	16	19
	17	19
X053421	16	16
	17	16
X179100011X	25	5
X179100021X	24	5
X179100100X	24	6
	25	6
X199903800X	24	8
	25	8
X2114535200	36	12
X6303BM0000	38	18
X8636008003	24	4
	25	4
XL150M14041	38	17
XL155G1330	38	8
XL180120000	38	4
XL1808320	38	13
XL180G13012	38	6
XL180G43150	38	7
XL180G61000	38	2
XL180G63006	38	5
XL180G85001	38	22
XL225431800	38	11
XL225G1325	38	9
XL235340110	38	16
XTST25S001	23	2
XTST25S002	23	3
XTST25S003	23	4
XTST25S004	23	5
XTST25S005	23	6
XTST25S007	23	8
XTST25S008	23	9
XTST25S009	23	10

PARTS No.	Fig.	Ref.No.
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PARTS No.	Fig.	Ref.No.
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