

OCF10-M59201EN

Introduction

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

	Parts catalog No.	Date of issue	Remarks
First edition	OCF10-G59200	Sep. , 2001	No need
1st revised edition	OCF10-G59201	Oct. , 2011	

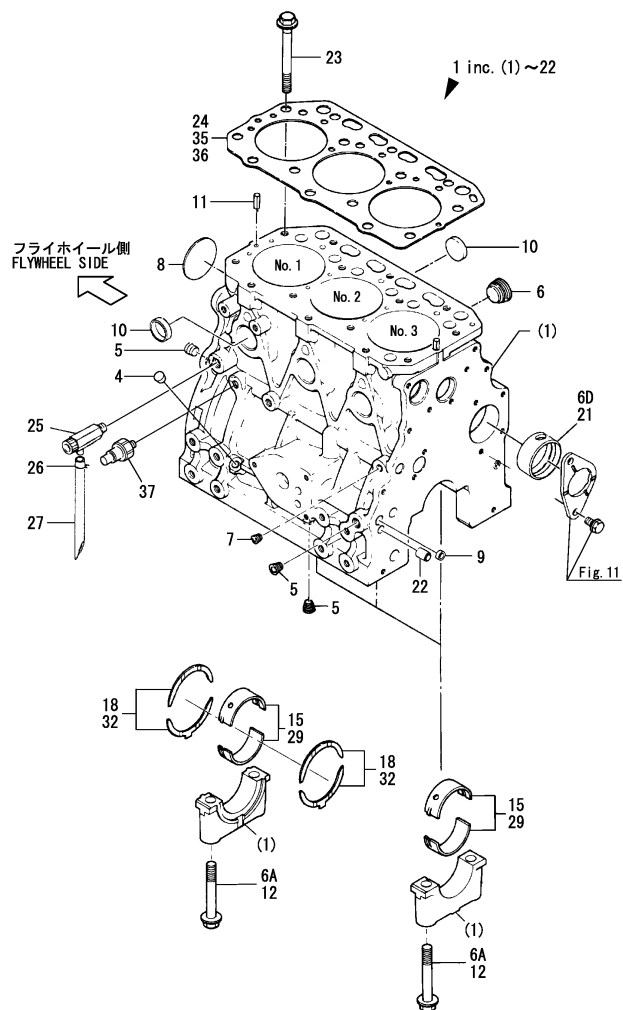
2. This parts catalog does not contain the technical data needed for maintenance service.
3. The illustrations used in this parts catalog have been simplified for clarity.
4. The contents of this parts catalog are subject to change without notice.
5. Be sure to use only Yanmar genuine part for repairs. If imitation parts are used, it may cause engine defects.

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OCF10-M59201

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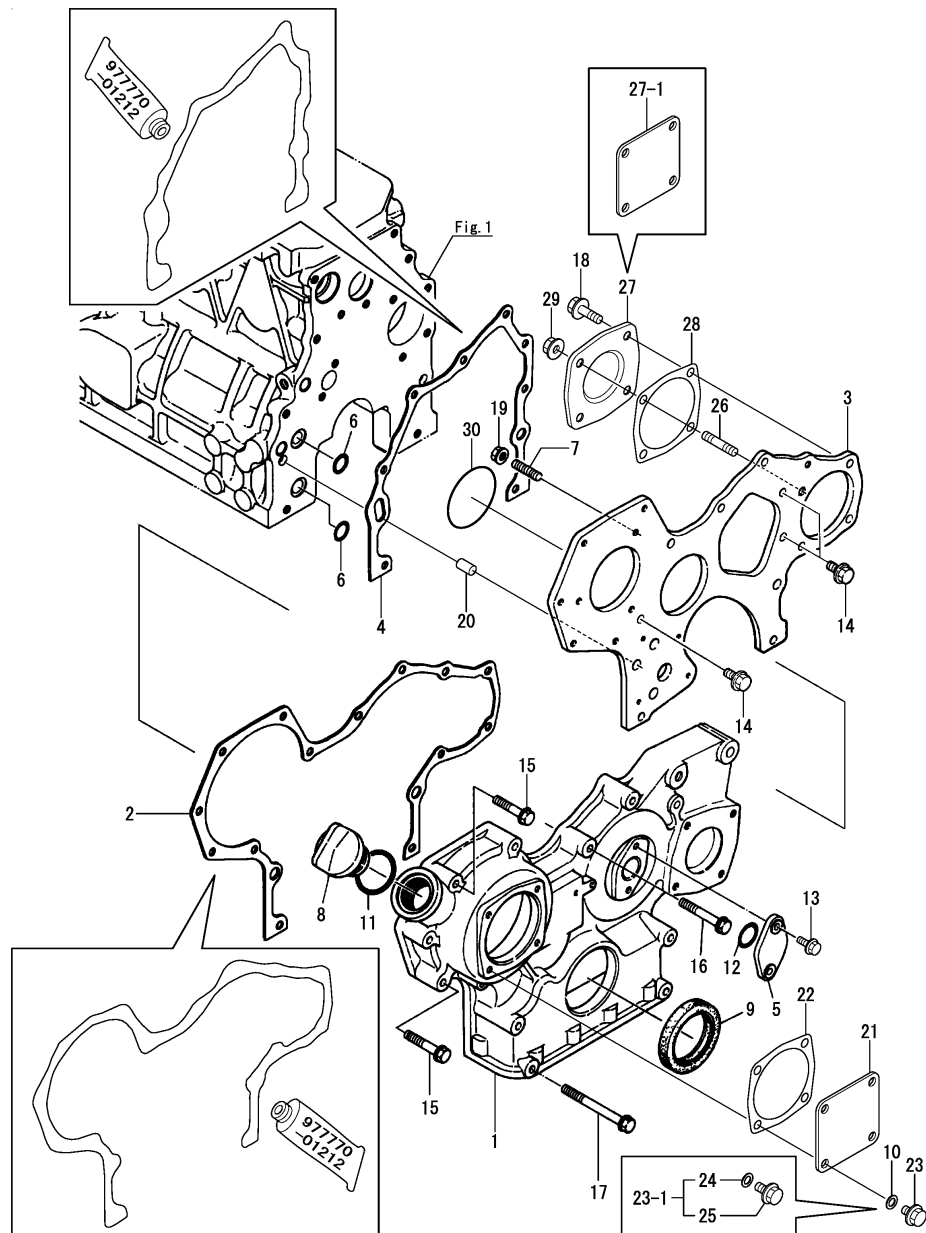
Fig.1. CYLINDER BLOCK



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729170-01560	BLOCK ASSY, CYLINDER	1							
4	3	27225-100140	PLUG, 10X14	1							
4-1	3	119309-01810	PLUG	1							R
		(A=EZZZZZ)									
5	3	124160-01910	PLUG, PT1/4	3							
6	3	171051-01921	PLUG, NPTF1	1							
6A	3	129150-02020	BOLT, METAL CAP	8							W
		(A=E00197)									
6D	3	129795-02411	BUSH, CAMSHAFT	1							W
		(A=E00197)									
6D-1	3	129795-02412	BUSH, CAMSHAFT	1							N
		(A=E02990)									
7	3	23876-010000	PLUG, R01	1							
8	3	129001-01250	PLUG, DISH TYPE 50	1							
9	3	27241-120000	PLUG, 12	2							
10	3	27241-300000	PLUG 30	6							
11	2	22351-060012	PIN, SPRING 6.0X12	2							
12	2	129150-02020	BOLT, METAL CAP	8							Z
		(A=E00197)									
15	2	129690-02800	BEARING, MAIN	4							
18	2	129150-02930	BEARING ASSY, THRUST	2							
18-1	2	129150-02931	BEARING ASSY, THRUST	2							N
		(A=E02990)									
21	2	129795-02411	BUSH, CAMSHAFT	1							Z
		(A=E00197)									
22	2	129795-01950	PIPE, DOWEL L=18	2							
23	1	129150-01200	BOLT, CYLINDER HEAD	14							
24	1	129171-01330	GASKET, HEAD T=1.4	1							3
25	1	128371-01800	COCK ASSY, 1/4	1							
26	1	124460-77680	RETAINER	1							
27	1	23061-070300	PIPE, 7X 300	1							
29	1	129690-02870	BEARING, 0.25 US	4							1
32	1	129150-02940	BEARING, THRUST 0.25	2							2
32-1	1	129150-02941	BEARING, THRUST 0.25	2							N 2
		(A=E02990)									
35	1	129171-01320	GASKET, HEAD T=1.3	1							4
36	1	129171-01340	GASKET, HEAD T=1.5	1							5
37	1	105582-34100	SIGNAL	1							

- (1) Under sized (U.S.=0.25) parts.
- (2) Over sized (O.S.=0.25) parts.
- (3) Standard spec.
- (4) For -0.1 adjustment
- (5) For +0.1 adjustment
- (6) Parts number will be informed later.

Fig.2. GEAR HOUSING

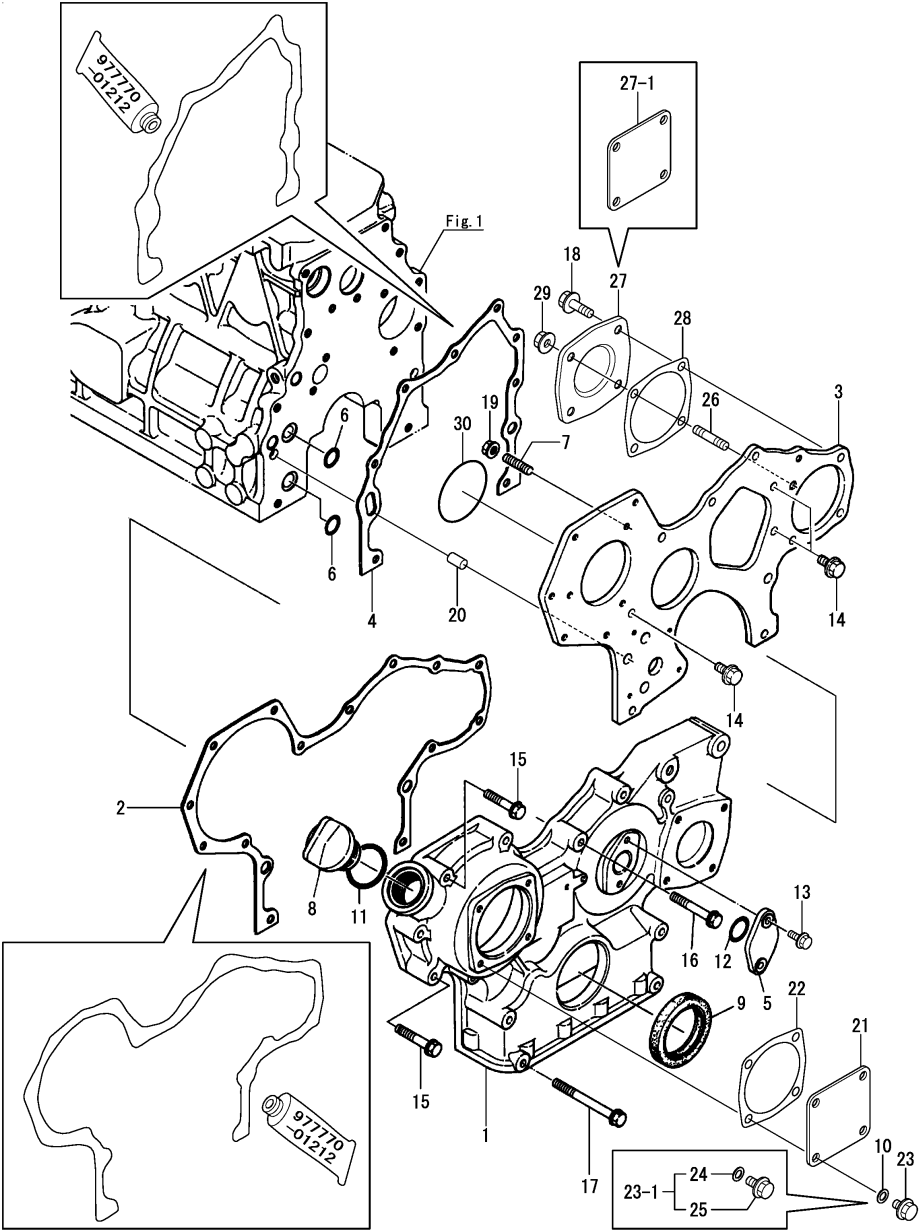


(1) It is compatible by changing the gasket of No.2 into a liquefied gasket.

				(A)=3JHLP (B)= (C)=					(D)= (E)= (F)=				
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty (D)	(E)	(F)	I	R		
1	1	129198-01551	CASE, GEAR	1									
1-1	1	129191-01500	CASE, GEAR	1						S	1		
(A=E00197)													
2	1	129470-01510	GASKET, GEAR CASE	1						Z			
(A=E00197)													
3	1	129100-01520	FLANGE, GEAR CASE	1									
4	1	129470-01531	GASKET	1						Z			
(A=E00197)													
5	1	121023-01550	COVER	1									
5-1	1	121023-01551	COVER	1						R			
(A=E02192)													
6	1	129470-01550	O-RING	2									
6-1	1	24311-000160	O-RING, 1AP16.0	2						N			
(A=E00197)													
7	1	121450-01560	BOLT, STUD M8X22	3									
7-1	1	119802-01561	BOLT, STUD M8X25	3						R			
(A=E02402)													
8	1	124160-01751	CAP, FILLER	1									
9	1	129795-01800	SEAL, OIL	1									
10	1	23414-080000	GASKET, 8X1.0	4									
10-1	1	22190-080002	WASHER, SEAL 6	4						N			
(A=E00197)													
10-2	1	22190-080002	WASHER, SEAL 6	4						Z			
(A=E02402)													
11	1	24311-000320	O-RING, 1AP32.0	1									
12	1	24341-000260	O-RING, 1AS26.0	1									
12-1	1	24341-000240	O-RING, 1AS24.0	1						N			
(A=E00197)													
13	1	26106-060162	BOLT, M6X 16 PLATED	2									
14	1	26106-080162	BOLT, M8X 16 PLATED	3									
15	1	26106-080452	BOLT, M8X 45 PLATED	6									
16	1	26106-080552	BOLT, M8X 55 PLATED	3									
17	1	26106-080852	BOLT, M8X 85 PLATED	4									
18	1	26106-080252	BOLT, M8X 25 PLATED	3									
19	1	26306-080002	NUT, M8	3									
20	1	129795-01950	PIPE, DOWEL L=18	2									
21	1	124240-01871	COVER, PUMP	1									
22	1	129150-01881	GASKET	1									
22-1	1	129C26-01890	GASKET, HO-P	1						R			
(A=EXXXXXX)													
23	1	26106-080122	BOLT, M8X 12 PLATED	4									
23-1	1	124550-01590	BOLT, M8X16	4						R			
(A=E02402)													
24	2	22190-080002	WASHER, SEAL 6	4						W			
(A=E02402)													
25	2	26106-080162	BOLT, M8X 16 PLATED	4						W			
(A=E02402)													
26	1	121450-01560	BOLT, STUD M8X22	1									
26-1	1	119802-01561	BOLT, STUD M8X25	1						R			
(A=E02402)													
27	1	129150-01870	COVER	1									

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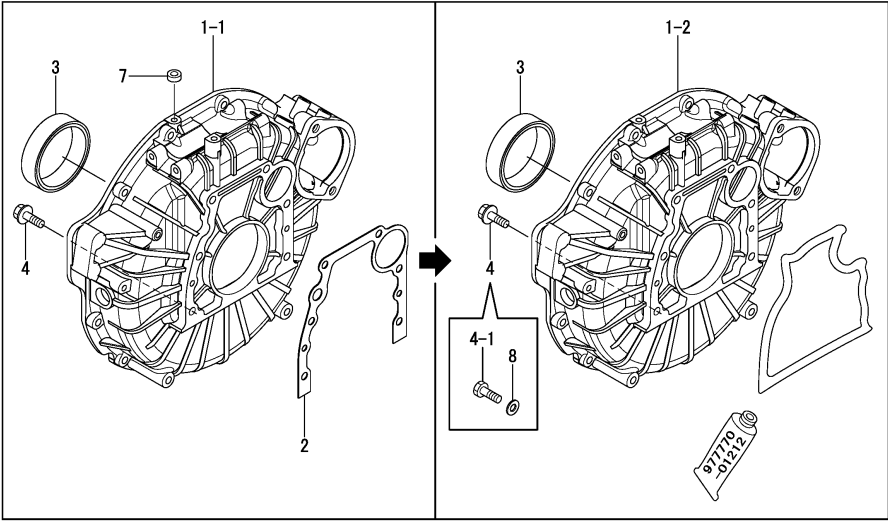
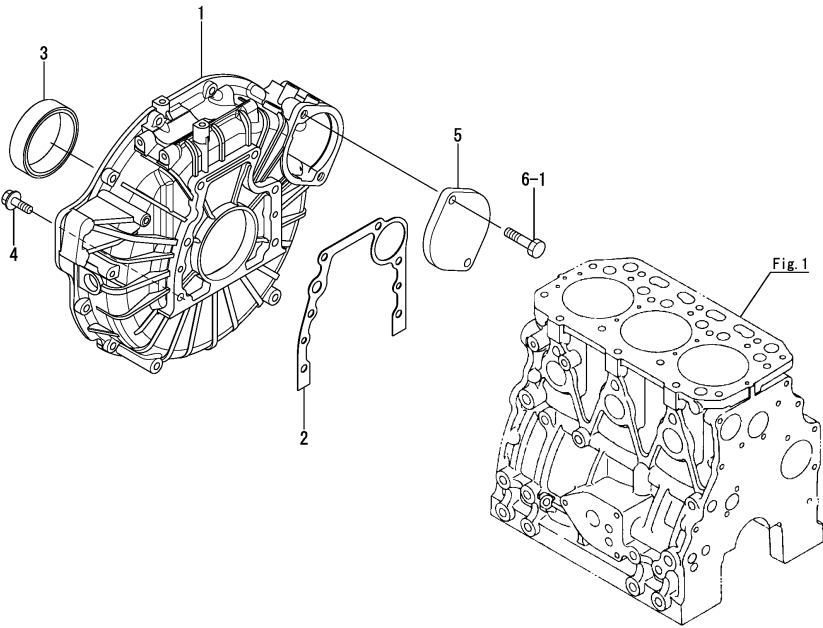
Fig.2. GEAR HOUSING



Remarks
(1)It is compatible by changing
the gasket of No.2 into a liquefied
gasket.

0CF10-M59201 Fig.2												
				(A)=3JHLP	(D)=							
				(B)=	(E)=							
				(C)=	(F)=							
No.	Lev.	Parts No.	Description	Q'ty							I	R
				(A)	(B)	(C)	(D)	(E)	(F)			
27-1	1	124240-01871	COVER, PUMP	1							R	
		(A=E02402)										
28	1	129150-01881	GASKET	1								
28-1	1	129C26-01890	GASKET, HO-P	1							R	
		(A=EXXXXX)										
29	1	26306-080002	NUT, M8	1								
30	1	121850-51960	O-RING	1							W	
		(A=E02402)										

Fig.3. FLYWHEEL HOUSING

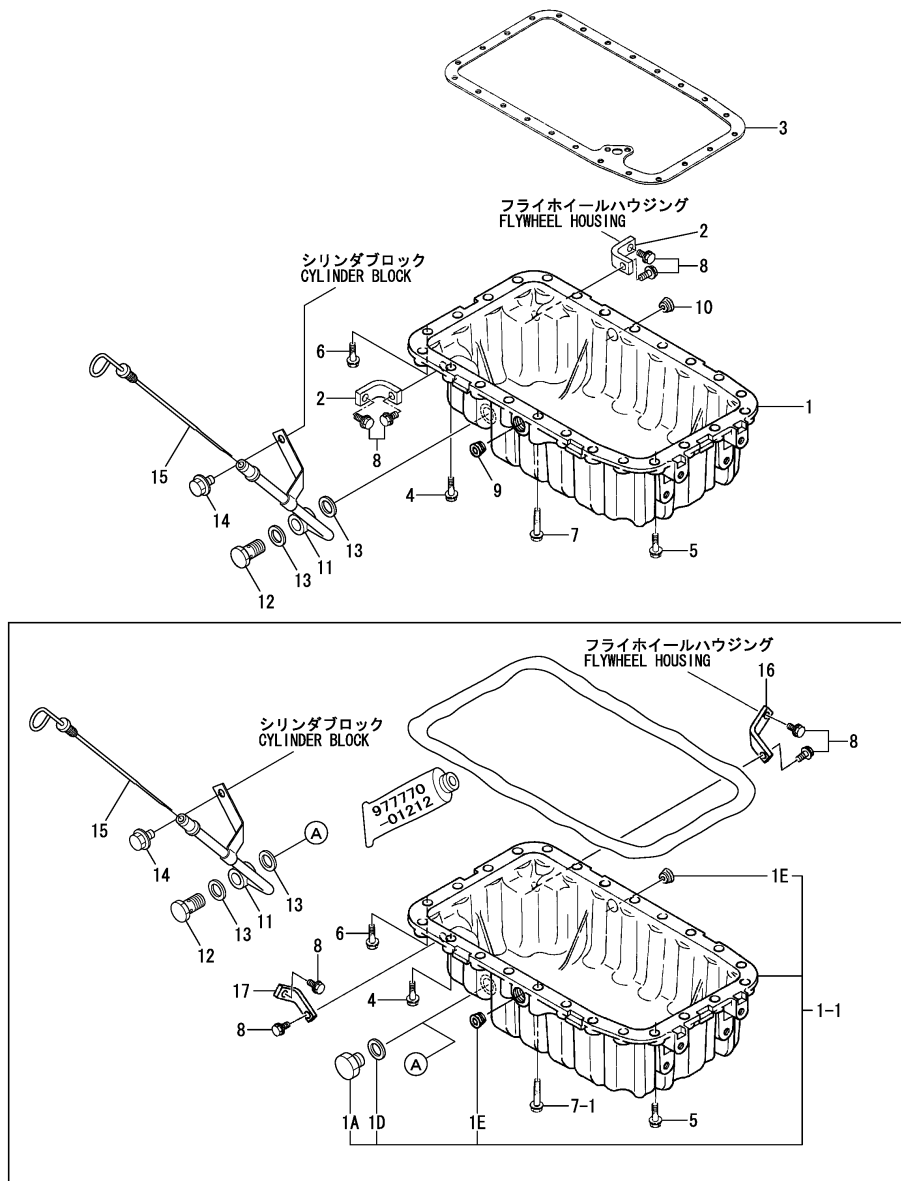


Remarks
(1)Interchangeable by simultaneous replacement with No.1-1 and No.7.
(2)It is compatible by changing the gasket of No.2 into a liquefied gasket.

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129400-01601	HOUSING, FLYWHEEL	1							
1-1	1	129673-01600	HOUSING, FLYWHEEL	1						S	1
(A=EZZZZZ)											
1-2	1	129673-01620	HOUSING, FLYWHEEL	1						S	2
(A=E00197)											
2	1	129470-01620	GASKET	1						Z	
(A=E00197)											
3	1	129795-01780	SEAL, OIL	1							
4	1	26106-100302	BOLT, M10X 30 PLATED	6							
4-1	1	26206-100302	BOLT, M10X 30 PLATED	6						R	
(A=EZZZZZ)											
5	1	124772-01900	COVER	1							
6-1	1	26116-120252	BOLT, M12X 25 PLATED	2							
7	1	106500-44810	SPACER, PULLEY	1						W	1
(A=EZZZZZ)											
7-1	1	106500-44810	SPACER, PULLEY	1						Z	
(A=E00197)											
8	1	22137-100000	WASHER, 10	6						W	
(A=EZZZZZ)											

Fig.4. LUB.OIL SUMP



(1) It is compatible by changing the gasket of No.3 into a liquefied gasket, and by changing the bolt of No.7 into No.7-1.

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129170-01701	SUMP, OIL	1							
1-1	1	129290-01720 (A=E00197)	SUMP, LUB.OIL	1						S	1
1A	2	105425-01690 (A=E00197)	PLUG, M16	1							W
1D	2	22190-160002 (A=E00197)	WASHER, SEAL 16	1							W
1E	2	23875-030000 (A=E00197)	PLUG, R03	2							W
2	1	129470-01710 (A=E00197)	BRACKET	2							Z
3	1	129198-01750 (A=E00197)	GASKET, OIL SUMP	1							Z
4	1	26106-080252	BOLT, M8X 25 PLATED	10							
5	1	26106-080252	BOLT, M8X 25 PLATED	6							
6	1	26106-080252	BOLT, M8X 25 PLATED	4							
7	1	26106-080402	BOLT, M8X 40 PLATED	4							
7-1	1	26106-080452 (A=E00197)	BOLT, M8X 45 PLATED	4							S
8	1	26106-100252	BOLT, M10X 25 PLATED	4							
9	1	23876-030000 (A=E00197)	PLUG, R03	1							Z
10	1	23876-030000 (A=E00197)	PLUG, R03	1							Z
11	1	129191-34860	GUIDE, DIPSTICK	1							
12	1	104214-39720	BOLT	1							
13	1	23414-160000	GASKET, 16X1.0	2							
14	1	26106-100162	BOLT, M10X 16 PLATED	1							
15	1	42130-501080	DIPSTICK	1							
16	1	129190-01710 (A=E00197)	BRACKET	1							W
17	1	129190-01720 (A=E00197)	BRACKET	1							W

Fig.5. LABEL

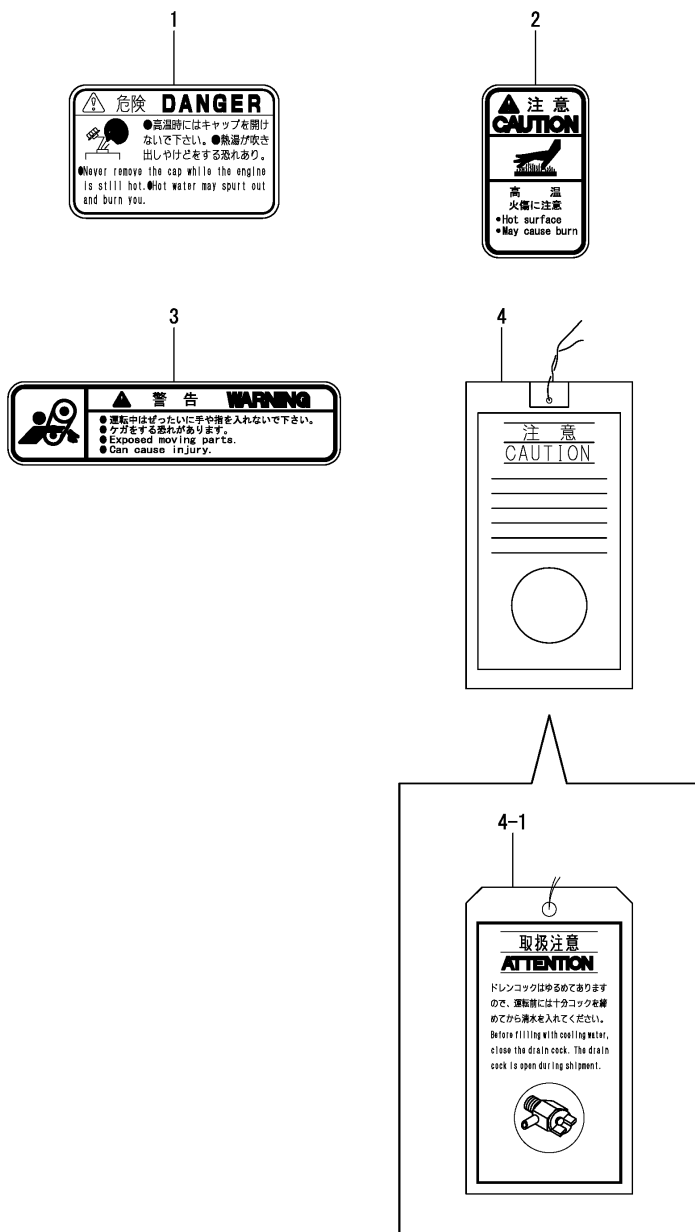
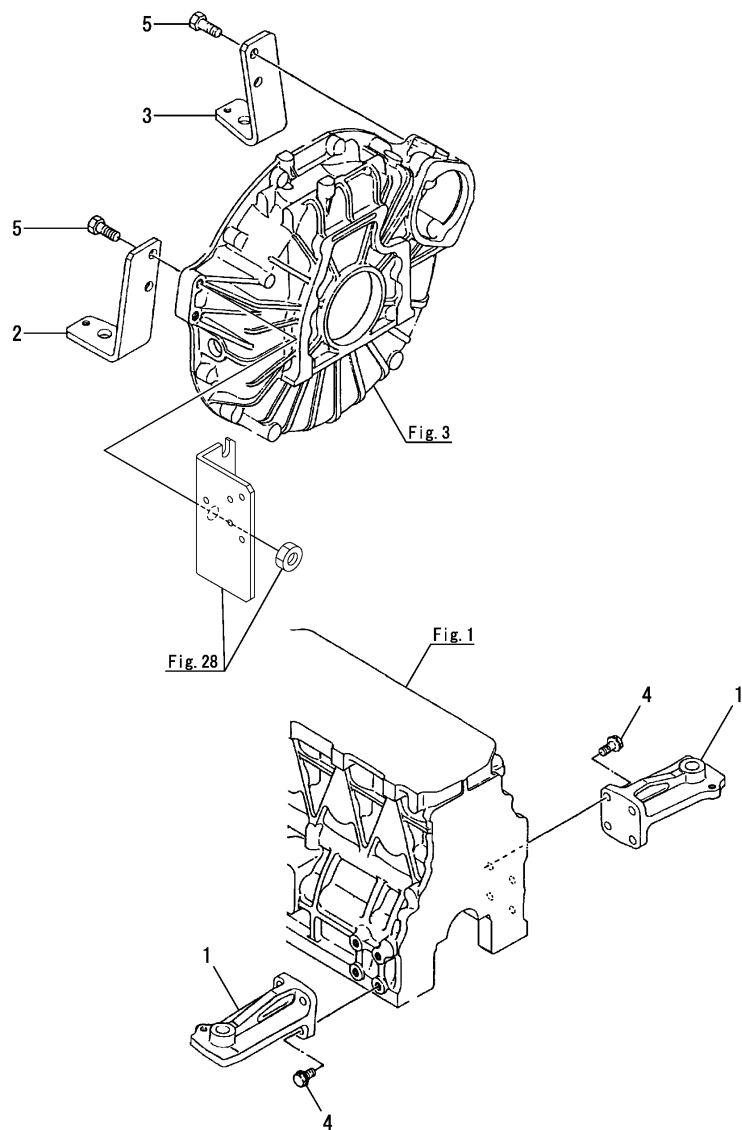
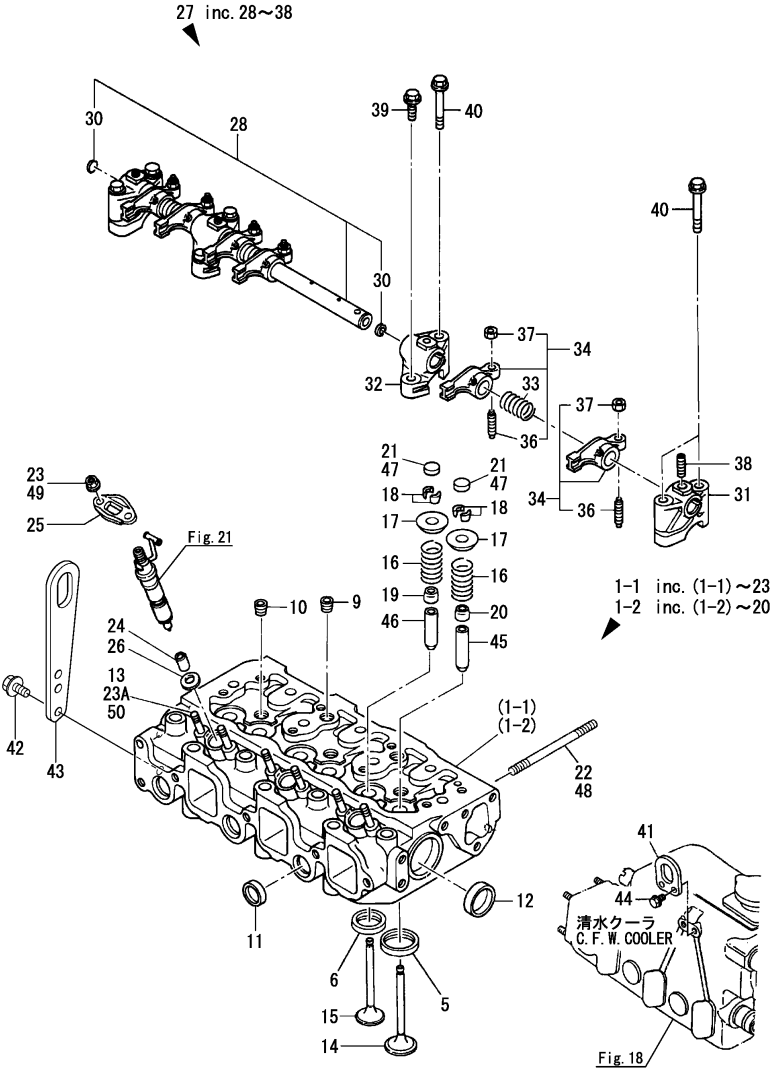
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Fig.6. MOUNTING FOOT



No.	Lev.	Parts No.	Description	(A)=3JHLP		(D)=		(E)=		I	R
				(B)=	(C)=	(C)	(D)	(E)	(F)=		
1	1	129490-08100	FOOT, MOUNTING			2					
2	1	129490-08110	FOOT, MOUNTING			1					
3	1	129490-08120	FOOT, MOUNTING			1					
4	1	26106-100202	BOLT, M10X 20 PLATED			8					
5	1	26116-120302	BOLT, M12X 30 PLATED			4					

Fig.7. CYLINDER HEAD

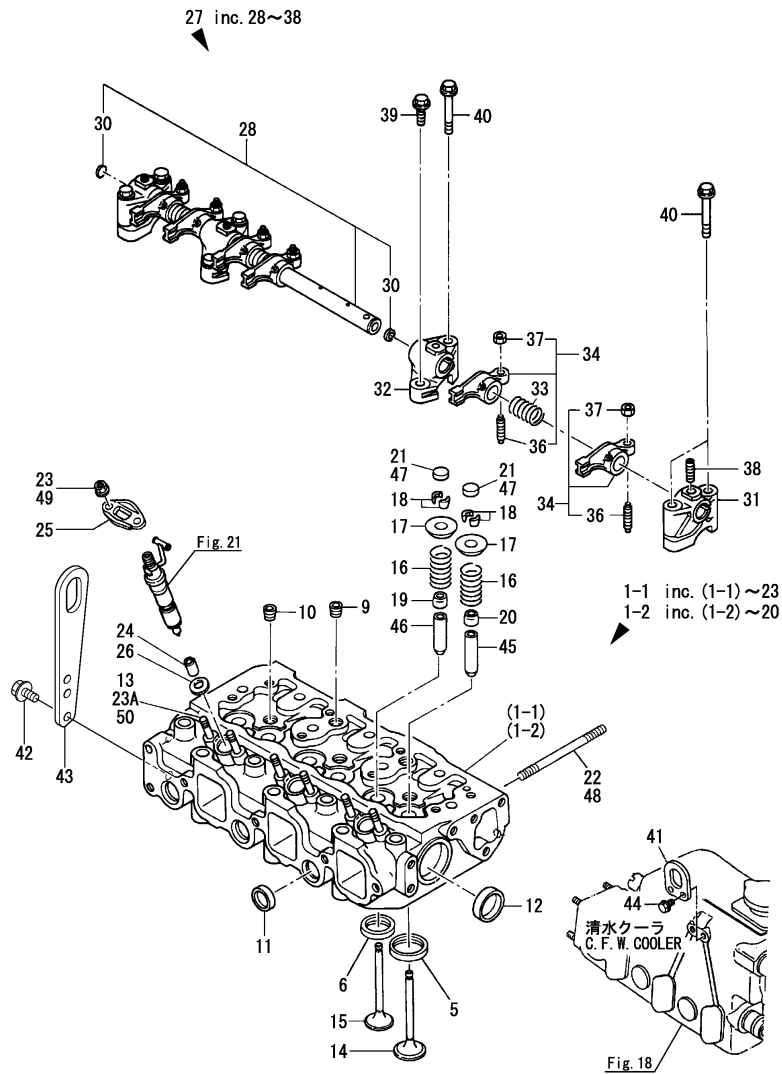


(A)=3JHLP
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1-1	1	729198-11710	HEAD ASSY, CYLINDER	1							
1-2	1	129198-11700	HEAD ASSY, CYLINDER	1						S	2
(A=E00197)											
5	3	129470-11850	SEAT, EXHAUST VALVE	3							
5-1	3	129470-11080	SEAT, SUCTION VALVE	3						R	
(A=E00197)											
6	3	129470-11090	SEAT, EXHAUST VALVE	3							
9	3	23876-020000	PLUG, R02	2							
9-1	3	121850-11860	PLUG, PT1/4	2						R	
(A=E04468)											
10	3	23876-030000	PLUG, R03	3							
11	3	27241-220000	PLUG, 22	3							
12	3	27241-400000	PLUG, 40	2							
13	3	26216-060202	STUD, M6X 20	6						Z	
(A=E04468)											
14	2	129100-11100	VALVE, SUCTION	3							
15	2	129100-11110	VALVE, EXHAUST	3							
15-1	2	129100-11111	VALVE, EXHAUST	3						R	
(A=E01333)											
15-2	2	129100-11112	VALVE, EXHAUST	3						R	
(A=E01970)											
16	2	129795-11120	SPRING, VALVE	6							
17	2	129795-11180	RETAINER, SPRING	6							
18	2	27310-080001	COTTER, 8	6							
19	2	121400-11340	SEAL, VALVE STEM	3							
20	2	124460-11340	SEAL, VALVE STEM	3							
21	2	104511-11370	CAP, VALVE	6						Z	
(A=E00197)											
22	2	26216-081002	STUD, M8X100	2						Z	
(A=E00197)											
23	2	26367-060002	NUT, M6	6						Z	
(A=E00197)											
23A	2	26216-060202	STUD, M6X 20	6						W	
(A=E04468)											
23A-1	2	26216-060202	STUD, M6X 20	6						Z	
(A=EZZZZZ)											
24	1	119625-11870	PROTECTOR, NOZZLE	3							
24-1	1	119625-11872	PROTECTOR, NOZZLE	3						R	
(A=EZZZZZ)											
24-2	1	119625-11870	PROTECTOR, NOZZLE	3							N
(A=EZZZZZ)											
25	1	119625-11900	RETAINER, NOZZLE	3							
26	1	119625-11880	SEAT, NOZZLE	3							
27	1	129155-11241	SHAFT ASSY, ROCKER	1							
28	2	129150-11290	SHAFT, ROCKER ARM	1							
30	3	27241-100000	PLUG, 10	2							
31	2	129155-11260	SUPPORT, ROCKER ARM	2							
32	2	129155-11270	SUPPORT, ROCKER ARM	2							
33	2	129150-11280	SPRING, ROCKER	3							
34	2	729402-11650	ARM ASSY, ROCKER	6							
36	3	129150-11230	SCREW, VALVE ADJUST	6							

Fig.7. CYLINDER HEAD



Remarks
(1)Spare parts.
(2)Interchangeable by simultaneous replacement with No.1-2,47,48,49,50.

0CF10-M59201 Fig.7										
				(A)=3JHLP (B)= (C)=	(D)= (E)= (F)=					
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	Q'ty (D)	(E)	(F)	I R
37	3	129150-11750	NUT, M8	6						
38	2	26226-080182	STUD, M8X 18	3						
38-1	2	119802-11280	BOLT, STUD	3						R
(A=EZZZZZ)										
39	1	26106-080252	BOLT, M8X 25 PLATED	2						
40	1	26106-080502	BOLT, M8X 50 PLATED	6						
41	1	129470-07230	LIFTER	1						
42	1	26106-080162	BOLT, M8X 16 PLATED	2						
43	1	129900-07900	LIFTER, ENGINE	1						
44	1	26106-080162	BOLT, M8X 16 PLATED	2						
45	1	120130-11860	GUIDE, VALVE	3						1
46	1	129150-11810	GUIDE, VALVE	3						1
47	1	104511-11370	CAP, VALVE	6						W 2
(A=E00197)										
47-1	1	129150-11370	CAP, VALVE	6						R
(A=E00197)										
48	1	26216-081002	STUD, M8X100	2						W 2
(A=E00197)										
48-1	1	129693-44300	BOLT, STUD	2						R
(A=E00197)										
49	1	26367-060002	NUT, M6	6						W 2
(A=E00197)										
50	1	26216-060202	STUD, M6X 20	6						W 2
(A=EZZZZZ)										
</										

Fig.8. BONNET & DECOMPRESSION(UP TO E00196)

[illegible]

スタート仕様(オプション)
TARTING SPEC. (OPTIONAL)

Fig. 9

5 6 7 8 9 10 11 12 13 19 22 23 24 26 27

No.	Lev.	Parts No.	Description	(A)=3JHLP (B)= (C)=			(D)= (E)= (F)=			I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129150-11301	BONNET	1							
2	1	129150-11310	GASKET, BONNET	1							
3	1	124160-11360	KNOB	3							
4	1	24311-000120	O-RING, 1AP12.0	3							
5	1	129470-03010	COVER, BREATHER	1							
6	1	129150-03070	BAFFLE, BREATHER	1							
7	1	121750-03080	PLATE, BAFFLE	1							
8	1	24341-000500	O-RING, 1AS50.0	1							
9	1	26106-080202	BOLT, M8X 20 PLATED	1							
10	1	26106-080402	BOLT, M8X 40 PLATED	1							
11	1	129470-03090	PIPE, BREATHER	1							
12	1	129301-03660	CLAMP 16	1							
13	1	129410-03990	CLAMP, HOSE 21.5	1							
14	1	129198-03730	DECOMPRESSION	1							
15	1	129198-03740	DECOMPRESSION	2							
16	1	129198-03760	CONNECTOR	1							
17	1	22312-030160	PIN, PARALLEL M3X16	3							
18	1	24311-000070	O-RING, 1AP7.0	3							
19	1	129100-11301	BONNET	1							1
20	1	124160-01751	CAP, FILLER	1							1
21	1	24311-000320	O-RING, 1AP32.0	1							1
22	1	129150-11310	GASKET, BONNET	1							1
23	1	124160-11360	KNOB	3							1
24	1	24311-000120	O-RING, 1AP12.0	3							1

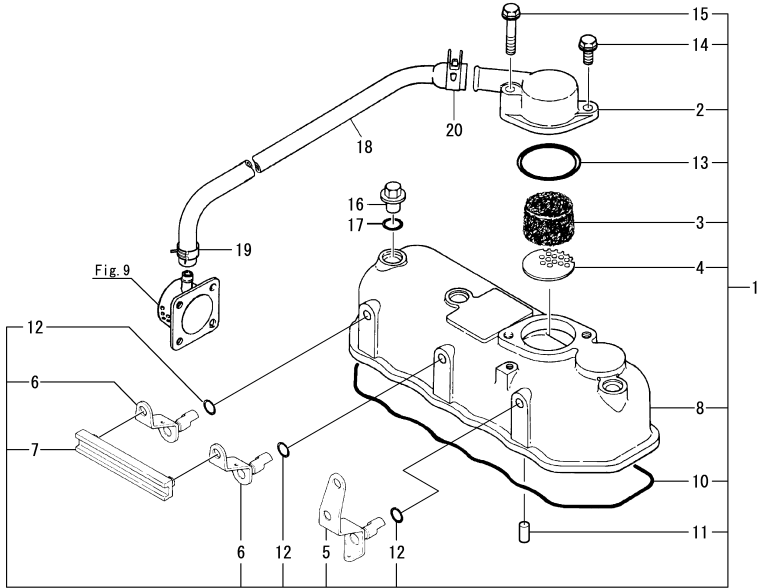
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

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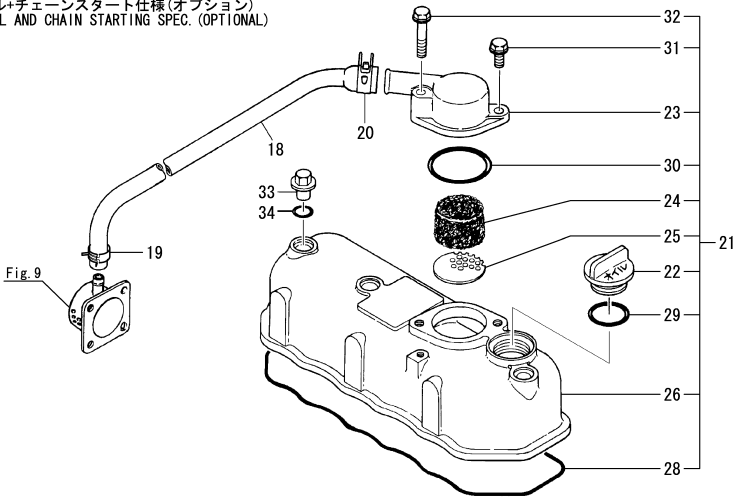
Fig.37. (8A)BONNET & DECOMPRESSION(FROM E00197)

(A)=3JHLP
(B)=
(C)=

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



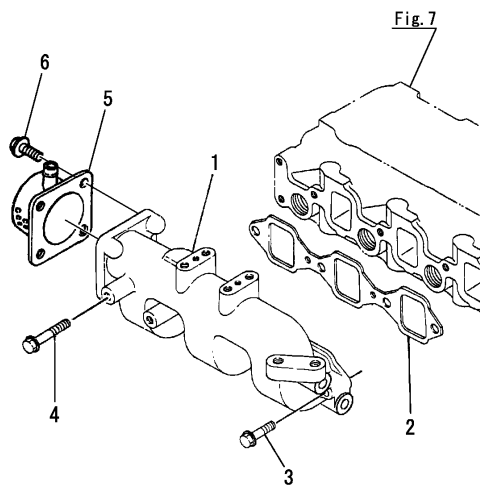
セル+チェーンスタート仕様(オプション)
CELL AND CHAIN STARTING SPEC. (OPTIONAL)



Remarks
* The bonnet of the cell and chain starting spec of No.21 was abolished, and it was unified so that any spec might use the bonnet of No.1.
(1)Cell and chain starting spec.
(Optional)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129191-11350	BONNET ASSY	1							
2	2	129470-03010	COVER, BREATHER	1							
3	2	129150-03070	BAFFLE, BREATHER	1							
4	2	129150-03080	PLATE, BAFFLE	1							
5	2	129198-03730	DECOMPRESSION	1							
6	2	129198-03740	DECOMPRESSION	2							
7	2	129198-03760	CONNECTOR	1							
8	2	129150-11301	BONNET	1							
10	2	129150-11310	GASKET, BONNET	1							
11	2	22312-030160	PIN, PARALLEL M3X16	3							
12	2	24311-000070	O-RING, 1AP7.0	3							
13	2	24341-000500	O-RING, 1AS50.0	1							
14	2	26106-080202	BOLT, M8X 20 PLATED	1							
15	2	26106-080402	BOLT, M8X 40 PLATED	1							
16	1	124160-11360	KNOB	3							
17	1	24311-000120	O-RING, 1AP12.0	3							
18	1	129470-03090	PIPE, BREATHER	1							
19	1	129301-03660	CLAMP 16	1							
20	1	129410-03990	CLAMP, HOSE 21.5	1							
21	1	129191-11360	BONNET ASSY	1						Z	1
(A=E00197)											
22	2	124160-01751	CAP, FILLER	1						Z	1
(A=E00197)											
23	2	129470-03010	COVER, BREATHER	1						Z	1
(A=E00197)											
24	2	129150-03070	BAFFLE, BREATHER	1						Z	1
(A=E00197)											
25	2	129150-03080	PLATE, BAFFLE	1						Z	1
(A=E00197)											
26	2	129100-11301	BONNET	1						Z	1
(A=E00197)											
28	2	129150-11310	GASKET, BONNET	1						Z	1
(A=E00197)											
29	2	24311-000320	O-RING, 1AP32.0	1						Z	1
(A=E00197)											
30	2	24341-000500	O-RING, 1AS50.0	1						Z	1
(A=E00197)											
31	2	26106-080202	BOLT, M8X 20 PLATED	1						Z	1
(A=E00197)											
32	2	26106-080402	BOLT, M8X 40 PLATED	1						Z	1
(A=E00197)											
33	1	124160-11360	KNOB	3						Z	1
(A=E00197)											
34	1	24311-000120	O-RING, 1AP12.0	3						Z	1
(A=E00197)											

Fig.9. SUCTION MANIFOLD



No.	Lev.	Parts No.	Description	Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	129170-12100	MANIFOLD, AIR INTAKE	1					
2	1	129150-12111	GASKET, MANIFOLD	1					
3	1	26106-080252	BOLT, M8X 25 PLATED	3					
4	1	26106-080352	BOLT, M8X 35 PLATED	1					
5	1	129495-12550	SCREEN	1					
6	1	26106-080122	BOLT, M8X 12 PLATED	4					

Fig.10. EXHAUST BEND

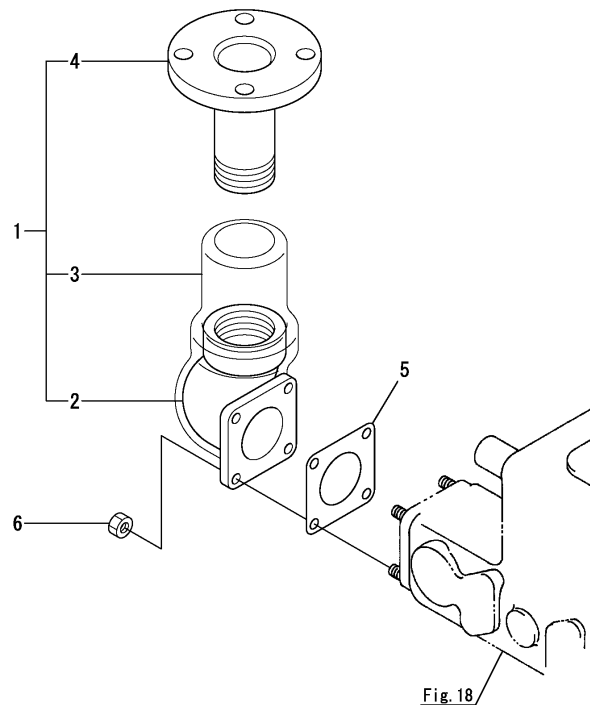


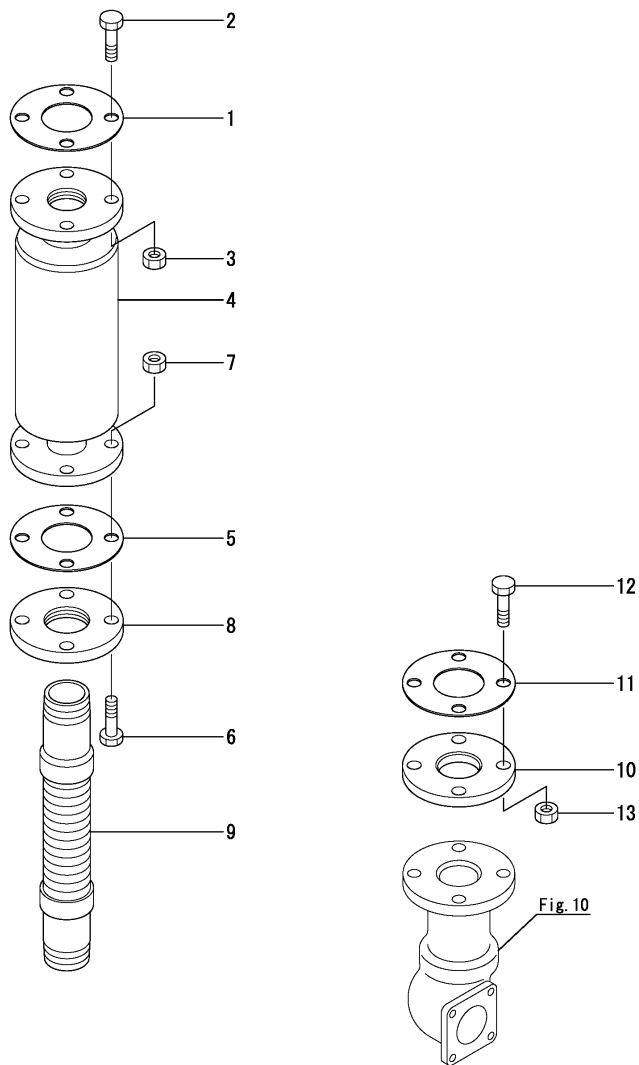
Fig. 18.

(A)=3JHLP
(B)=
(C)=

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

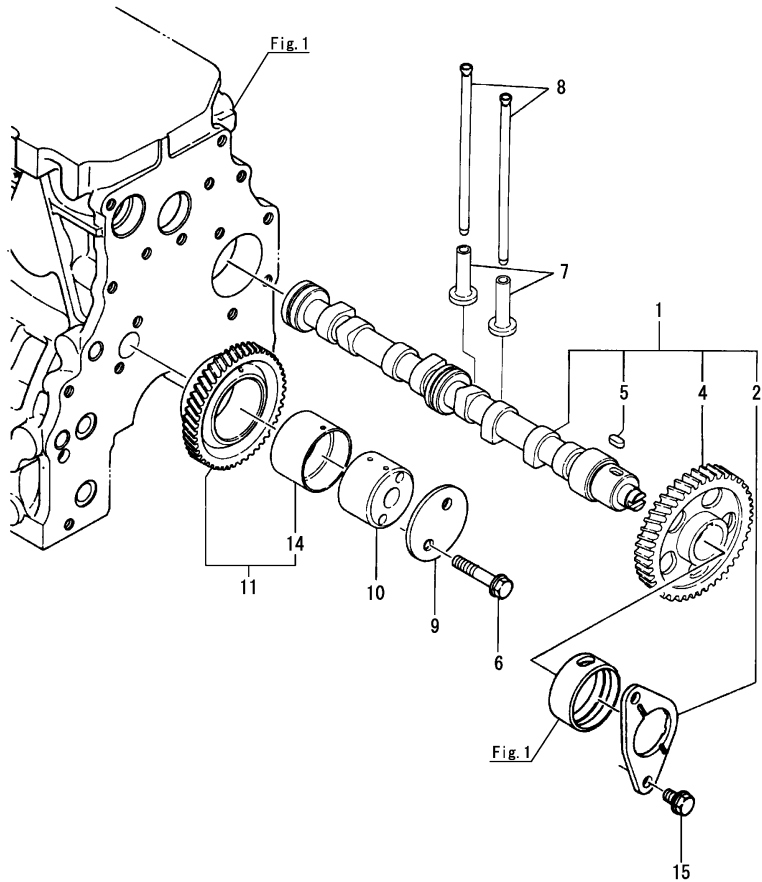
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)
1	1	129191-13600	BEND ASSY, EXHAUST	1					
2	2	129198-13610	BEND, EXHAUST	1					
3	2	129191-13660	INSULATOR	1					
4	2	128272-13800	FLANGE	1					
5	1	129472-18090	GASKET	1					
6	1	26703-080002	NUT, M8	4					

Fig.38. (10A)EXHAUST SILENCER & EXHAUST FLEXIBLE PIPE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	23446-040000	GASKET, 40	1							
1-1	1	23479-040000	GASKET, 40	1							N
		(A=EZZZZZ)									
2	1	26203-120452	BOLT, M12X 45 PLATED	4							
3	1	26703-120002	NUT, M12	4							
4	1	43100-500880	SILENCER	1							
5	1	23446-040000	GASKET, 40	1							
5-1	1	23479-040000	GASKET, 40	1							N
		(A=EZZZZZ)									
6	1	26203-120452	BOLT, M12X 45 PLATED	4							
7	1	26703-120002	NUT, M12	4							
8	1	43310-551080	FLANGE	2							
9	1	43720-500110	PIPE, FLEXIBLE	1							
10	1	23211-040049	FLANGE, 5K 40	1							
11	1	23446-040000	GASKET, 40	1							
11-1	1	23479-040000	GASKET, 40	1							N
		(A=EZZZZZ)									
12	1	26206-120452	BOLT, M12X 45 PLATED	4							
13	1	26703-120002	NUT, M12	4							

Fig.11. CAMSHAFT & DRIVING GEAR



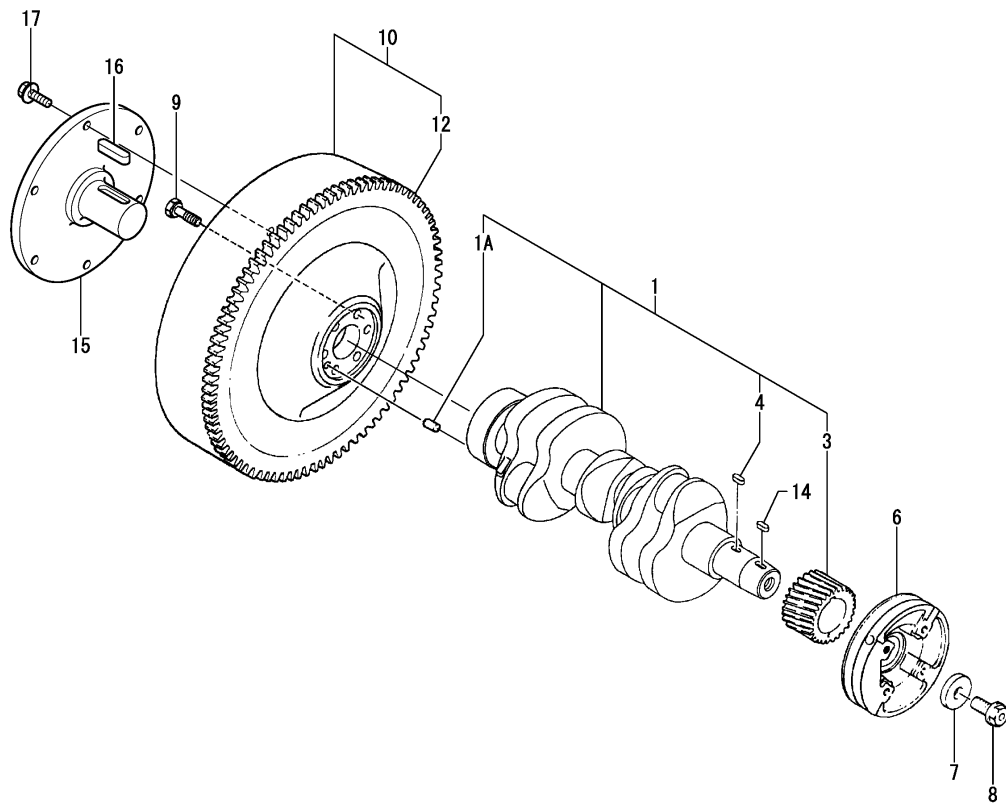
(A)=3JHLP
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129129-14580	CAMSHAFT ASSY	1							
2	2	129150-02450	BEARING, THRUST	1							
4	2	129150-14101	GEAR, CAMSHAFT	1							
5	2	22512-070140	KEY, 7X 14	1							
6	1	26106-080452	BOLT, M8X 45 PLATED	2							
6-1	1	119174-25060	BOLT, M8X45	2							R
(A=E00197)											
7	1	129150-14200	TAPPET	6							
8	1	129150-14400	PUSH-ROD, L=178	6							
9	1	129150-25020	RETAINER	1							
10	1	129150-25052	SHAFT, IDLE	1							
11	1	129573-25100	GEAR ASSY, IDLE	1							
14	1	129573-25090	BUSH, IDLE GEAR	1							1
15	1	26106-080142	BOLT, M8X 14 PLATED	2							

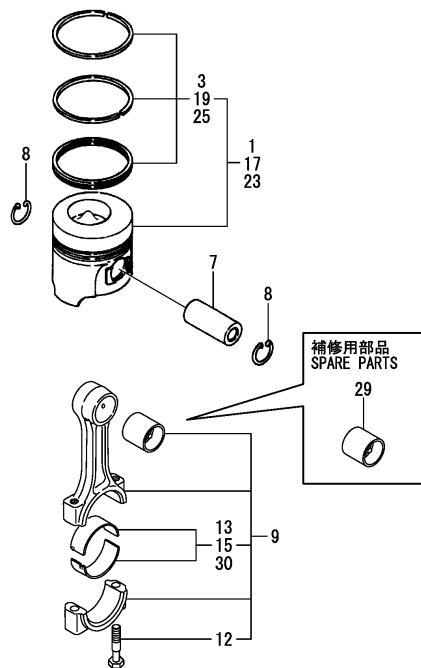
Remarks
(1)Spare parts.

Fig.12. CRANKSHAFT & FLYWHEEL



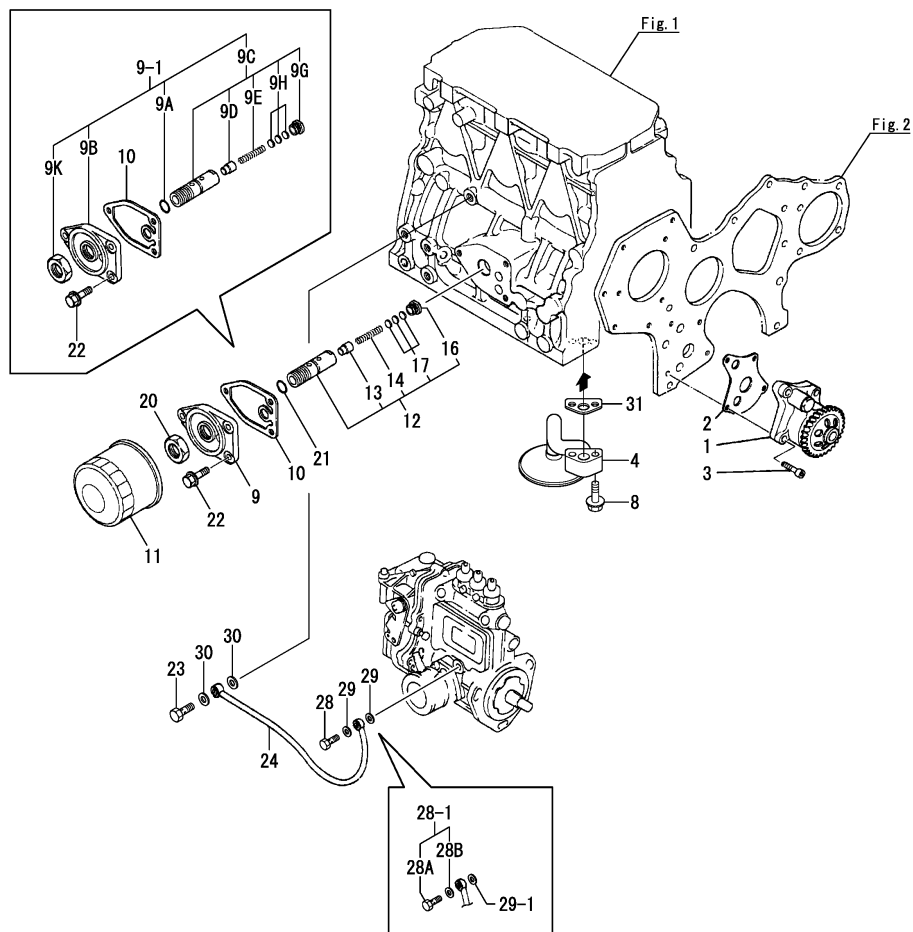
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129170-21001	CRANKSHAFT ASSY	1							
1A	2	129100-01580	PIN, PARALLEL 8X16	1							
3	2	129150-21200	GEAR, CRANKSHAFT	1							
4	2	22512-070140	KEY, 7X 14	1							
6	1	129170-21650	V-PULLEY, S45C	1							
7	1	129795-21661	WASHER	1							
8	1	121850-21680	BOLT	1							
9	1	121111-21501	BOLT, FLYWHEEL	6							
10	1	129198-21590	FLYWHEEL ASSY	1							
12	2	124550-21600	GEAR, RING Z=127	1							
14	1	22512-070160	KEY, 7X 16	1							
15	1	129191-21800	COUPLING	1							
16	1	22512-100400	KEY, 10X 40	1							
17	1	26106-080252	BOLT, M8X 25 PLATED	6							

Fig.13. PISTON & CONNECTING ROD

[illegible]

(1) Under sized (U.S.=0.25) parts.
(2) Over sized (O.S.=0.25) parts.
(3) Over sized (O.S.=0.50) parts.
(4) Spare parts.

Fig.14. LUB.OIL SYSTEM



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

				(A)=3JHLP (B)= (C)=					(D)= (E)= (F)=		
No.	Lev.	Parts No.	Description	(A)	(B)	Q'ty (C)	(D)	(E)	(F)	I	R
1	1	129470-32000	PUMP ASSY, OIL	1							
1-1	1	129470-32001	PUMP ASSY, OIL	1							N
(A=E00667)											
2	1	129150-32020	GASKET, PUMP	1							
3	1	26450-060252	BOLT, M6X 25	4							
4	1	129150-35091	PIPE ASSY, OIL INLET	1							
8	1	26106-080352	BOLT, M8X 35 PLATED	2							
9	1	129150-35101	BRACKET, FILTER	1							
9-1	1	129052-35000	BRACKET ASSY, FILTER	1							R
(A=E00197)											
9A	2	119609-32040	O-RING, P16	1							W
(A=E00197)											
9B	2	129150-35101	BRACKET, FILTER	1							W
(A=E00197)											
9C	2	119609-35300	VALVE ASSY, CONTROL	1							W
(A=E00197)											
9D	3	119609-32130	VALVE, CONTROL	1							W
(A=E00197)											
9E	3	119609-32320	SPRING	1							W
(A=E00197)											
9G	3	119609-35330	RETAINER	1							W
(A=E00197)											
9H	3	129150-35340	SHIM SET	1							W
(A=E00197)											
9K	2	129150-35350	NUT	1							W
(A=E00197)											
10	1	129150-35111	GASKET	1							
11	1	129150-35150	FILTER 90X80L	1							1
11-1	1	129150-35152	FILTER, D80XL80	1							R 1
(A=E00348)											
11-2	1	129150-35153	FILTER ASSY, D80X80L	1							R 1
(A=E03101)											
11-3	1	129150-35170	FILTER,LO	1							R 2
12	1	119609-35300	VALVE ASSY, CONTROL	1							Z
(A=E00197)											
13	2	119609-32130	VALVE, CONTROL	1							Z
(A=E00197)											
14	2	119609-32320	SPRING	1							Z
(A=E00197)											
16	2	119609-35330	RETAINER	1							Z
(A=E00197)											
17	2	129150-35340	SHIM SET	1							Z
(A=E00197)											
20	1	129150-35350	NUT	1							Z
(A=E00197)											
21	1	24311-000160	O-RING, 1AP16.0	1							Z
(A=E00197)											
22	1	26106-080202	BOLT, M8X 20 PLATED	3							
23	1	124160-39140	BOLT, PIPE JOINT M10	1							
24	1	129150-39450	PIPE ASSY, OIL	1							
28	1	124550-59820	BOLT, PIPE JOINT M8	1							

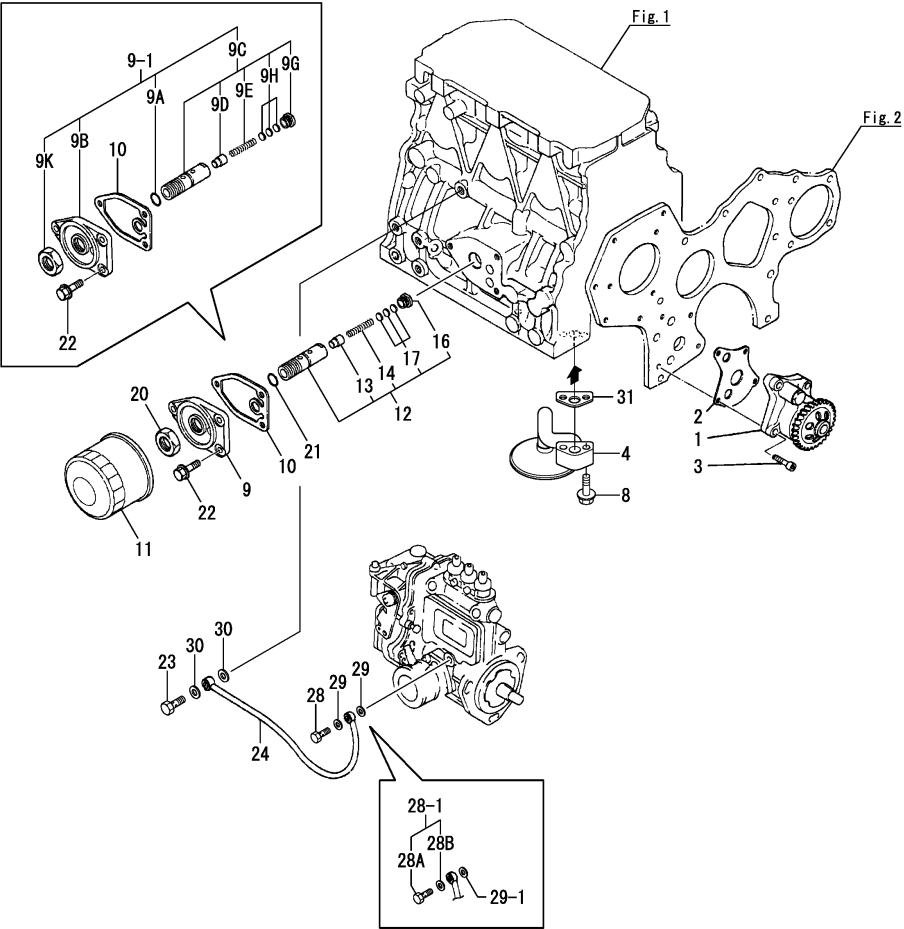
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
 ++ CONTINUE ++
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Fig.14. LUB.OIL SYSTEM

(A)=3JHLP
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
28-1	1	124550-59830	BOLT ASSY, JOINT M8	1							N
(A=E00197)											
28A	2	124550-59820	BOLT, PIPE JOINT M8	1							W
(A=E00197)											
28B	2	22190-080002	WASHER, SEAL 6	1							W
(A=E00197)											
29	1	23414-080000	GASKET, 8X1.0	2							
29-1	1	22190-080002	WASHER, SEAL 6	1							S
(A=E00197)											
30	1	23414-100000	GASKET, 10X1.0	2							
30-1	1	22190-100002	WASHER, SEAL 10	2							N
(A=E00197)											
31	1	129150-35041	GASKET	1							
31-1	1	129150-35042	GASKET	1							N
(A=E00630)											



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

Fig.15. OIL SUCTION/DRAIN PUMP(OPTIONAL)

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124413-39100	PUMP ASSY, WASTE	1							
2	1	43720-001220	PIPE	1							
2-1	1	120130-39990	HOSE,OIL DRAIN 3M	1							R

(A=EZZZZZ)

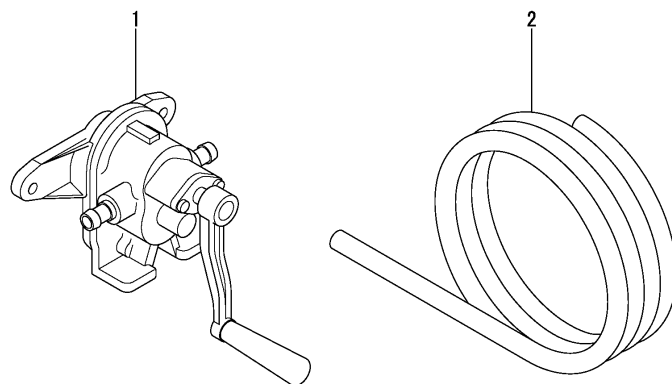
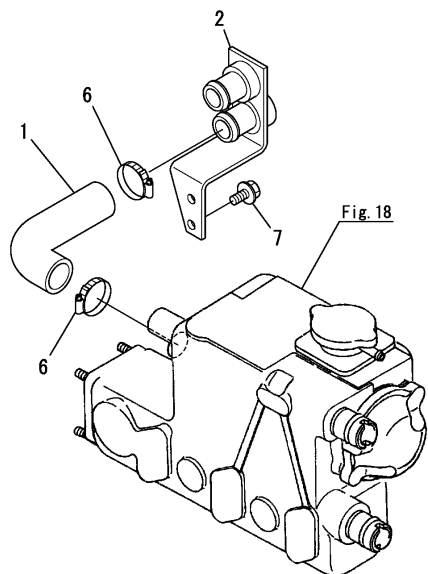


Fig.16. COOLING SEA WATER PIPE

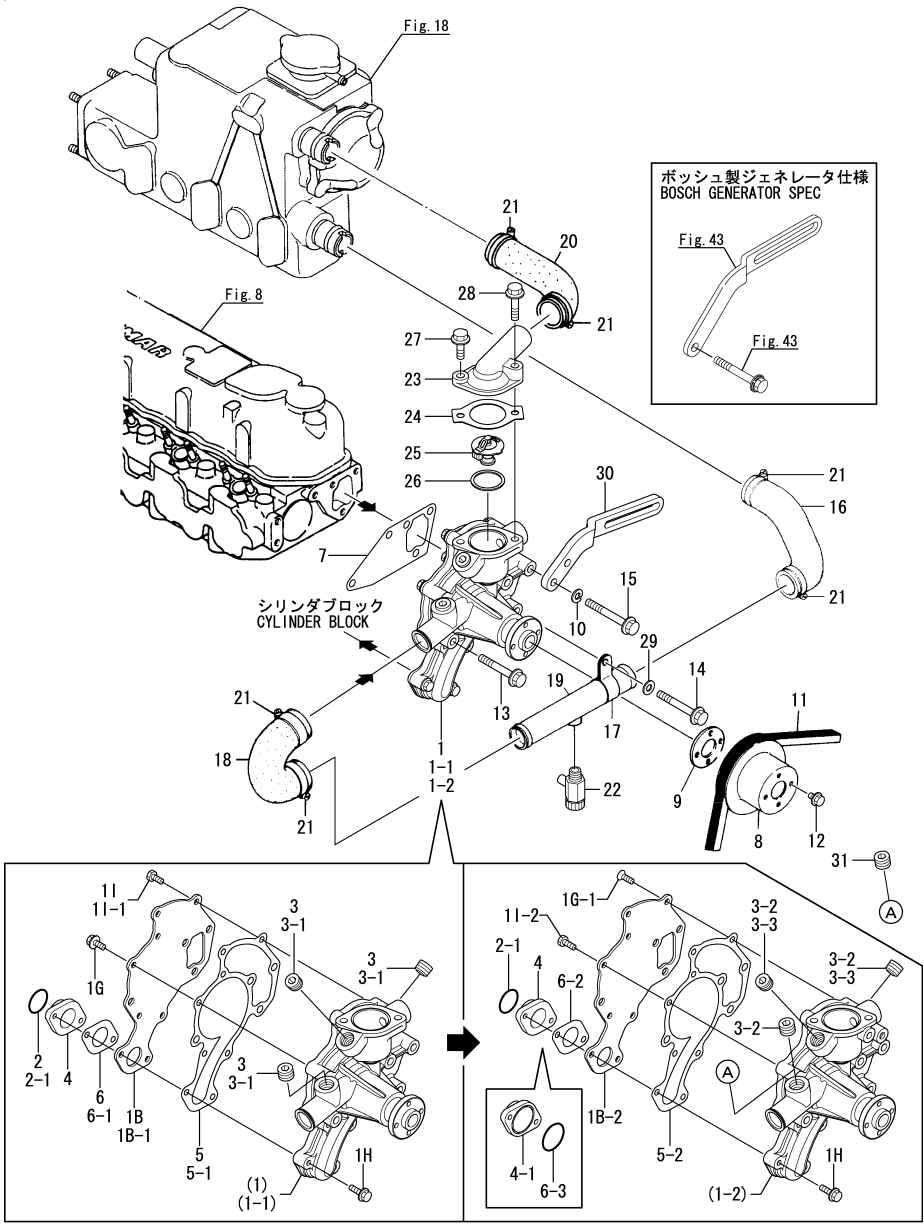


				(A)=3JHLP (B)= (C)=	(D)= (E)= (F)=						
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129470-49030	PIPE, C. SEA WATER	2							
2	1	129191-49100	JOINT	1							
6	1	23000-035000	CLAMP, 35	4							
7	1	26106-080162	BOLT, M8X 16 PLATED	2							

Fig.17. COOLING FRESH WATER SYSTEM

(A)=3JHLP
(B)=
(C)=

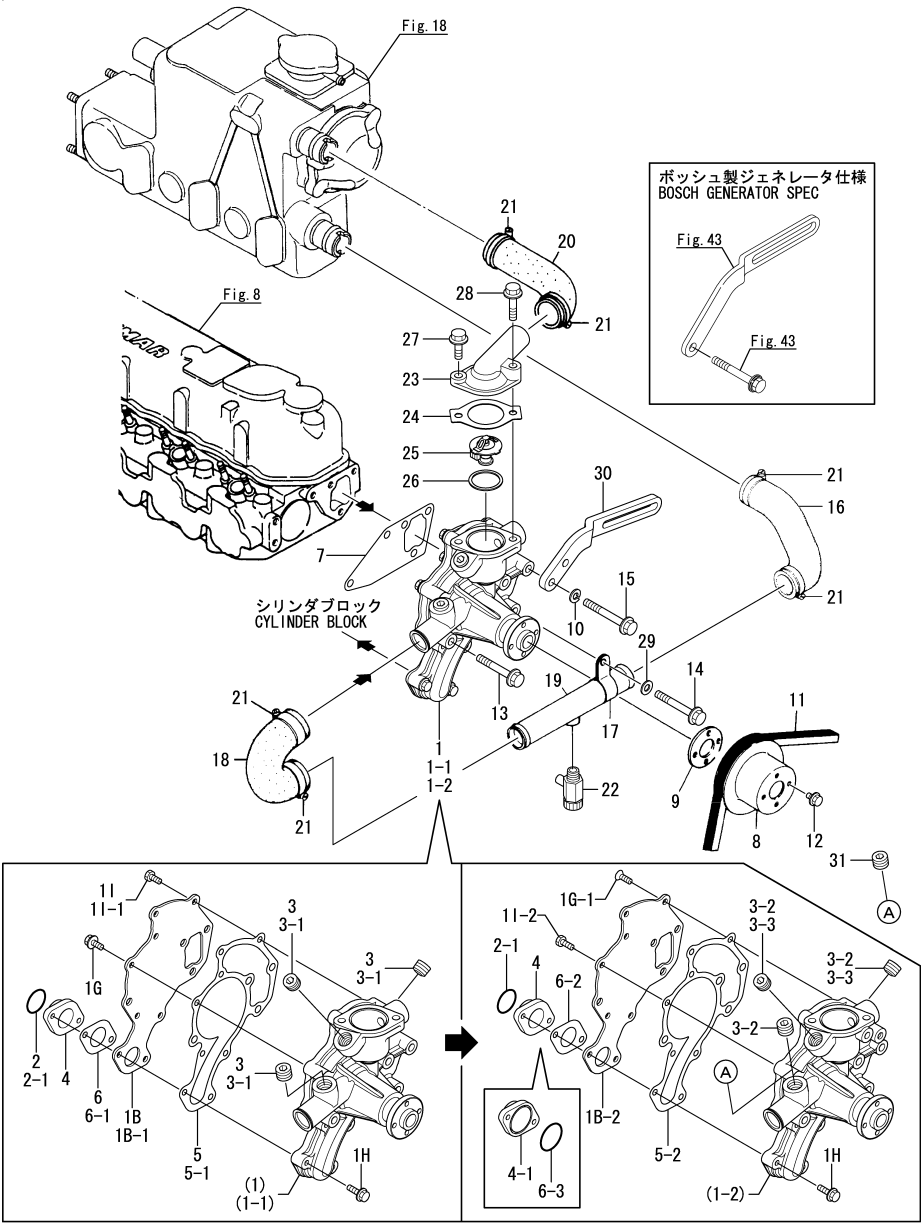
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129470-42001	PUMP ASSY, WATER	1							
1-1	1	129470-42002	PUMP ASSY, WATER	1							R
(A=EZZZZZ)											
1-2	1	129470-42003	PUMP ASSY, WATER	1							N
(A=E01455)											
1B	2	129150-42120	PLATE, PUMP	1							
1B-1	2	129150-42129	PLATE, PUMP	1							R
(A=EZZZZZ)											
1B-2	2	129263-42120	PLATE, PUMP	1							S
(A=E01455)											
1G	2	26106-060142	BOLT, M6X 14 PLATED	5							
1G-1	2	26577-060142	SCREW M 6X 14	3							S
(A=E01455)											
1H	2	26106-060202	BOLT, M6X 20 PLATED	2							
1I	2	26116-060142	BOLT, M6X 14 PLATED	1							
1I-1	2	26116-060162	BOLT, M6X 16 PLATED	1							R
(A=EZZZZZ)											
1I-2	2	26116-060162	BOLT, M6X 16 PLATED	3							K
(A=E01455)											
2	2	129150-42320	O-RING	1							
2-1	2	129054-42320	O-RING	1							N
(A=EZZZZZ)											
3	2	124085-11690	PLUG, 3/8	3							
3-1	2	23875-030000	PLUG, R03	3							S
(A=EZZZZZ)											
3-2	2	129916-49740	PLUG, R3/8	3							R
(A=E01455)											
3-3	2	129916-49740	PLUG, R3/8	2							K
(A=E07592)											
4	2	129150-42300	FLANGE	1							
4-1	2	129150-42301	FLANGE	1							S 1
(A=E02721)											
5	2	129470-42050	GASKET	1							
5-1	2	129052-42050	GASKET	1							R
(A=EZZZZZ)											
5-2	2	129150-42059	GASKET	1							R
(A=E01455)											
6	2	129470-42310	GASKET	1							
6-1	2	129052-42310	GASKET	1							R
(A=EZZZZZ)											
6-2	2	129150-42319	GASKET, FLANGE	1							R
(A=E01455)											
6-3	2	24358-240310	O-RING, 524031	1							S 1
(A=E02721)											
7	1	129150-42020	GASKET, WATER PUMP	1							
7-1	1	129486-42050	GASKET, WATER PUMP	1							R
(A=EZZZZZ)											
8	1	129550-42350	V-PULLEY, D=120	1							
9	1	129156-44760	WASHER	1							
10	1	22217-080000	WASHER, SPRING 8	1							Z
(A=EZZZZZ)											

Remarks
(1)Interchangeable by simultaneous replacement with No.4-1 and No.6-3.
(2)HITACHI generator spec
(3)DENSO generator spec

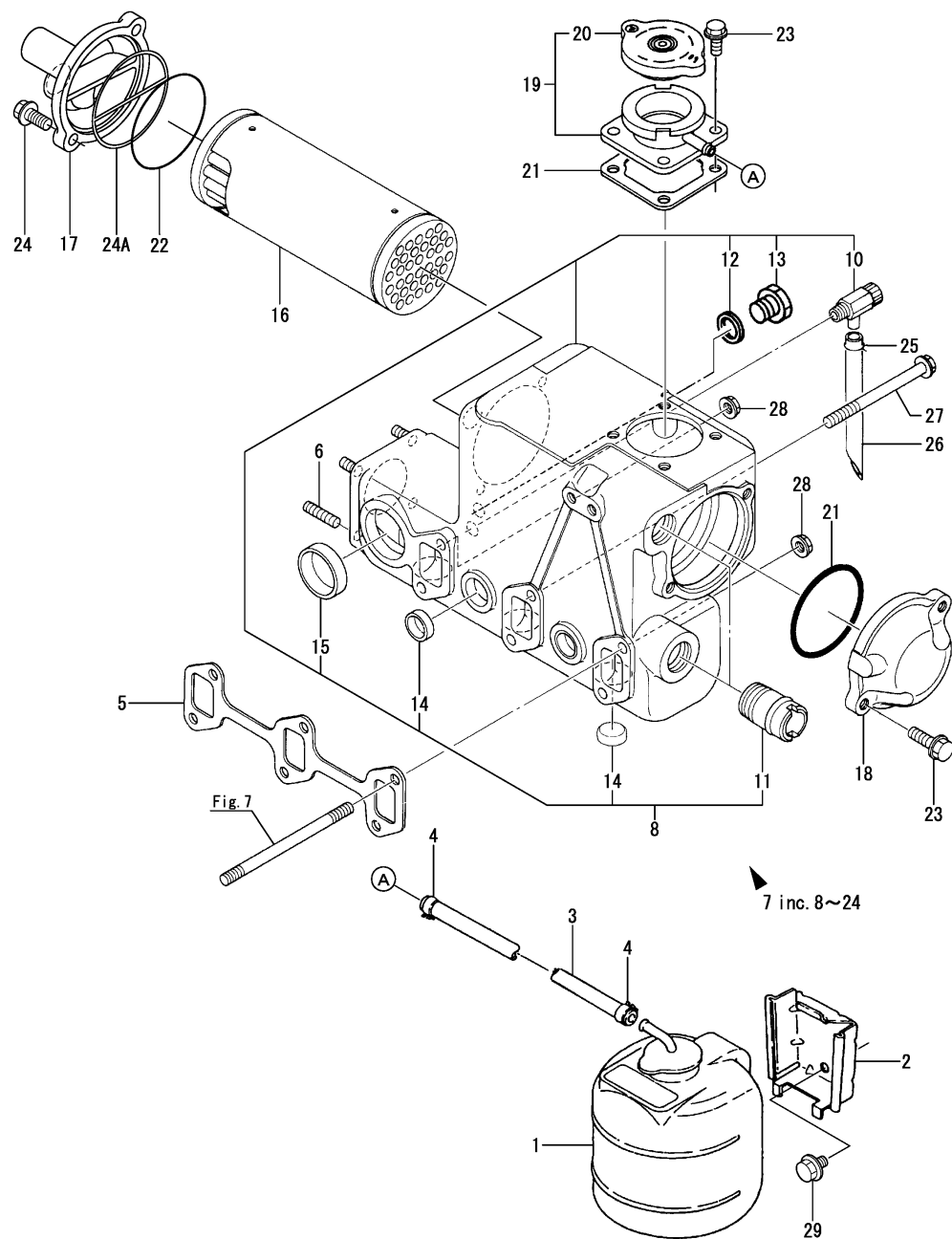
Fig.17. COOLING FRESH WATER SYSTEM



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
11	1	25132-004500	V-BELT, A45	1							2
11-1	1	25132-004600	V-BELT, A46	1						S	3
12	1	26106-060102	BOLT, M6X 10 PLATED	4							
13	1	26106-080552	BOLT, M8X 55 PLATED	2							
14	1	26106-080602	BOLT, M8X 60 PLATED	1							
14-1	1	26106-080552	BOLT, M8X 55 PLATED	1						N	
(A=E00197)											
15	1	26106-080652	BOLT, M8X 65 PLATED	1							
15-1	1	26013-080652	BOLT, SPRING M8X 65	1						R	
(A=EZZZZZ)											
15-2	1	26013-080652	BOLT, SPRING M8X 65	1						Z	
(A=E08921)											
16	1	129470-49200	JOINT, RUBBER	1							
17	1	129470-49220	RETAINER	1							
18	1	129470-49240	JOINT, RUBBER 28	1							
19	1	129470-49250	PIPE, WATER	1							
20	1	129170-49260	JOINT	1							
21	1	23000-041000	CLAMP, 41	6							
22	1	129670-49290	COCK ASSY, R1/8	1							
23	1	129470-49540	COVER, THERMOSTAT	1							
24	1	129795-49551	GASKET	1							
25	1	129470-49801	THERMOSTAT, 76.5	1							
26	1	129470-49810	GASKET, THERMOSTAT	1							
26-1	1	129150-49811	GASKET, THERMOSTAT	1						R	
(A=E06777)											
27	1	26106-080252	BOLT, M8X 25 PLATED	1							
28	1	26106-080352	BOLT, M8X 35 PLATED	1							
29	1	22137-080000	WASHER, 8	1							
30	1	129495-77330	ADJUSTER, BELT	1						W	
(A=E00197)											
30-1	1	129495-77330	ADJUSTER, BELT	1						Z	
(A=E08921)											
31	1	23875-030000	PLUG, R03	1						W	
(A=EZZZZZ)											

Remarks
(1)Interchangeable by simultaneous replacement with No.4-1 and No.6-3.
(2)HITACHI generator spec
(3)DENSO generator spec

Fig.18. COOLING FRESH WATER COOLER

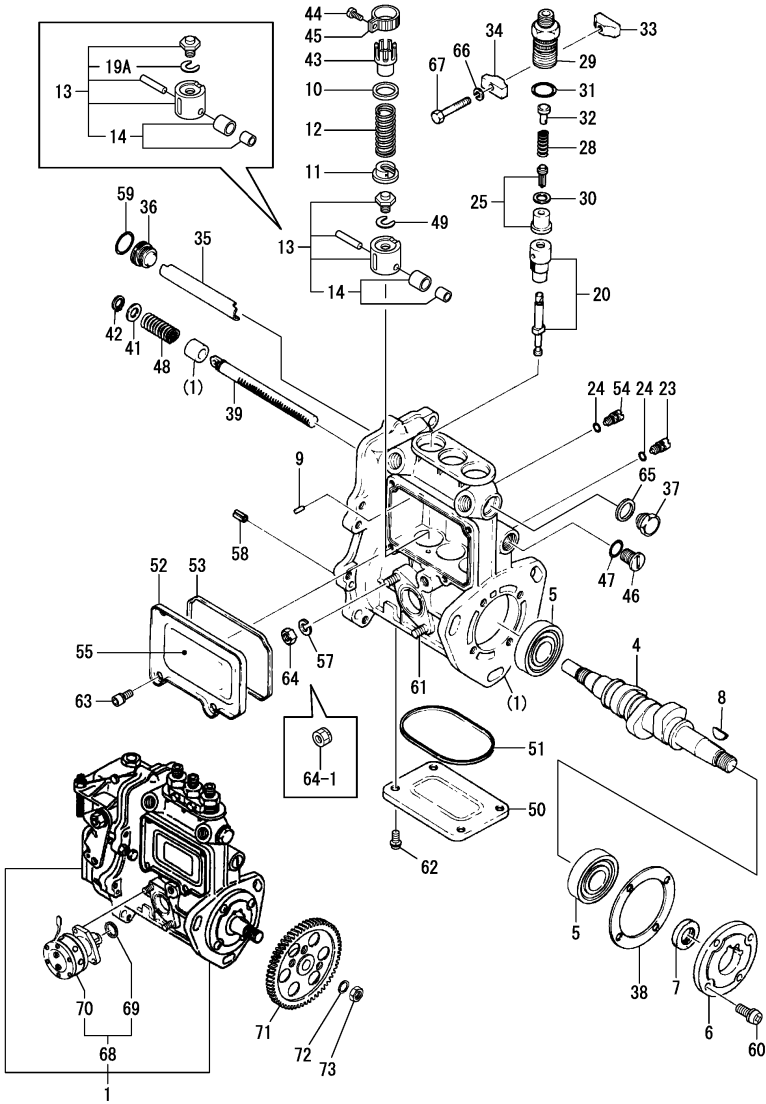


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120445-44530	TANK, SUB	1							
2	1	120445-44540	SUPPORT	1							
3	1	145640-44570	PIPE	1							
4	1	23010-013000	CLAMP 13	2							
5	1	129150-13110	GASKET, EXH.MANIFOLD	1							
6	1	128170-13600	STUD, M8X31	4							
6-1	1	129690-13600	STUD, M8X34	4							R
		(A=E03915)									
7	1	129170-44900	COOLER ASSY, WATER	1							
8	2	129170-44000	COOLER ASSY, WATER	1							
10	3	119620-49290	COCK ASSY, 1/4	1							
11	3	124160-49480	JOINT, PIPE	2							
12	3	23414-170000	GASKET, 17X1.0	1							
13	3	23894-030002	PLUG, G3/8	1							
14	3	27241-280000	PLUG, 28	7							
15	3	27241-400000	PLUG, 40	1							
16	2	129170-44110	CORE ASSY, COOLER	1							
17	2	129470-44440	COVER, A	1							
18	2	129470-44450	COVER, B	1							
19	2	129171-44600	FILLER ASSY	1							
20	3	129107-44590	CAP, RADIATOR	1							
21	2	120445-44640	GASKET	1							
22	2	24321-000750	O-RING, 1AG75.0	2							
23	2	26106-080162	BOLT, M8X 16 PLATED	4							
24	2	26106-080252	BOLT, M8X 25 PLATED	4							
25	1	124460-77680	RETAINER	1							
26	1	23061-070300	PIPE, 7X 300	1							
27	1	26106-081002	BOLT, M8X100 PLATED	4							
28	1	26306-080002	NUT, M8	2							
29	1	26106-080122	BOLT, M8X 12 PLATED	2							

Fig.19. FUEL INJECTION PUMP

(A)=3JHLP
(B)=
(C)=

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



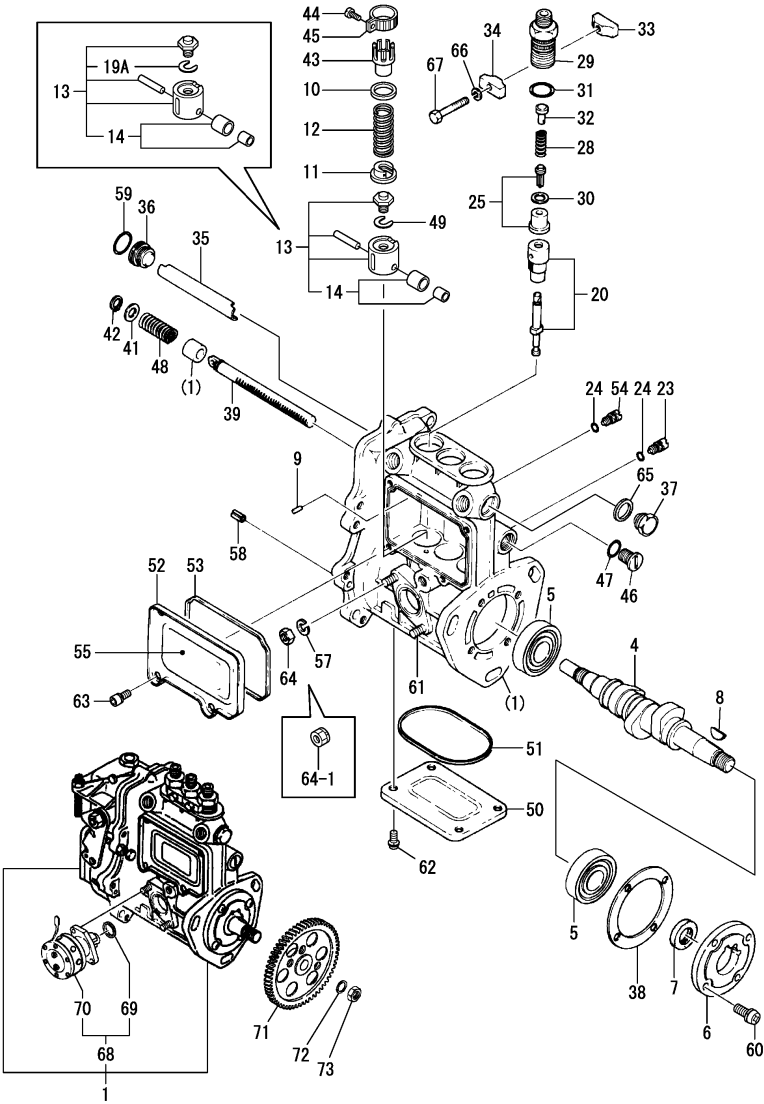
Remarks
(1)Governor(Fig.20) and Fuel
feed pump(No.68) is
incorporated in this Fuel
injection pump.(No.1)

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729198-51320	PUMP ASSY, INJECTION	1							1
4	3	119810-51040	CAMSHAFT	1							
5	3	122710-51050	BEARING, HR30203J	2							
6	3	129470-51060	RETAINER, BEARING	1							
7	3	129470-51080	SEAL, AF0741F0	1							
8	3	122710-51090	FEATHER KEY,WOODRUFF	1							
9	3	129155-51140	PIN	3							
10	3	174307-51170	RETAINER, SPRING A	3							
10-1	3	158600-51170	RETAINER, SPRING	3							R
(A=E05847)											
11	3	129155-51180	RETAINER, SPRING	3							
12	3	124950-51190	SPRING, PLUNGER	3							
13	3	129155-51200	TAPPET ASSY	3							
14	4	711100-51540	ROLLER ASSY	3							
19A	4	129155-51630	SHIM, ADJUST T=1.2	3							W
(A=EZZZZZ)											
20	3	129400-51200	PLUNGER ASSY	3							
23	3	129155-51270	STOPPER, TAPPET	3							
23-1	3	158600-51270	STOPPER, TAPPET	3							R
(A=E07454)											
24	3	129155-51280	O-RING, S6	3							
25	3	128170-51300	VALVE ASSY, DELIVERY	3							
28	3	129155-51320	SPRING, DELIVERY	3							
29	3	129155-51340	HOLDER, DELIVERY	3							
30	3	124550-51350	GASKET, DELIVERY	3							
31	3	124550-51370	O-RING	3							
31-1	3	24316-000150	O-RING, 4DP15.0	3							N
(A=E02604)											
32	3	129155-51370	STOPPER, DELIVERY	3							
33	3	129155-51380	STOPPER, DELIVERY	2							
34	3	129155-51390	STOPPER, DELIVERY	2							
35	3	129155-51400	DEFLECTOR	1							
36	3	129155-51410	PLUG, SCREW	1							
36-1	3	158600-51410	PLUG, DEFLECTOR	1							R
(A=E03568)											
37	3	129155-51420	PLUG, M16	1							
37-1	3	158600-51420	PLUG, DEFLECTOR	1							R
(A=E03568)											
38	3	129155-51450	SHIM SET, ADJUSTING	1							
39	3	129155-51500	RACK, CONTROL	1							
39-1	3	119717-51500	RACK, CONTROL	1							R
(A=EZZZZZ)											
41	3	129155-51530	SPACER	1							
42	3	129155-51540	CIRCLIP	1							
43	3	129155-51550	PINION, CONTROL	3							
44	3	129100-51570	SCREW, PINION	3							
45	3	129100-51560	PINION	3							
46	3	129155-51570	PLUG, M12	1							
46-1	3	158600-51570	PLUG, RACK	1							R
(A=E07454)											
47	3	129155-51580	O-RING	1							

Fig.19. FUEL INJECTION PUMP

(A)=3JHLP
(B)=
(C)=

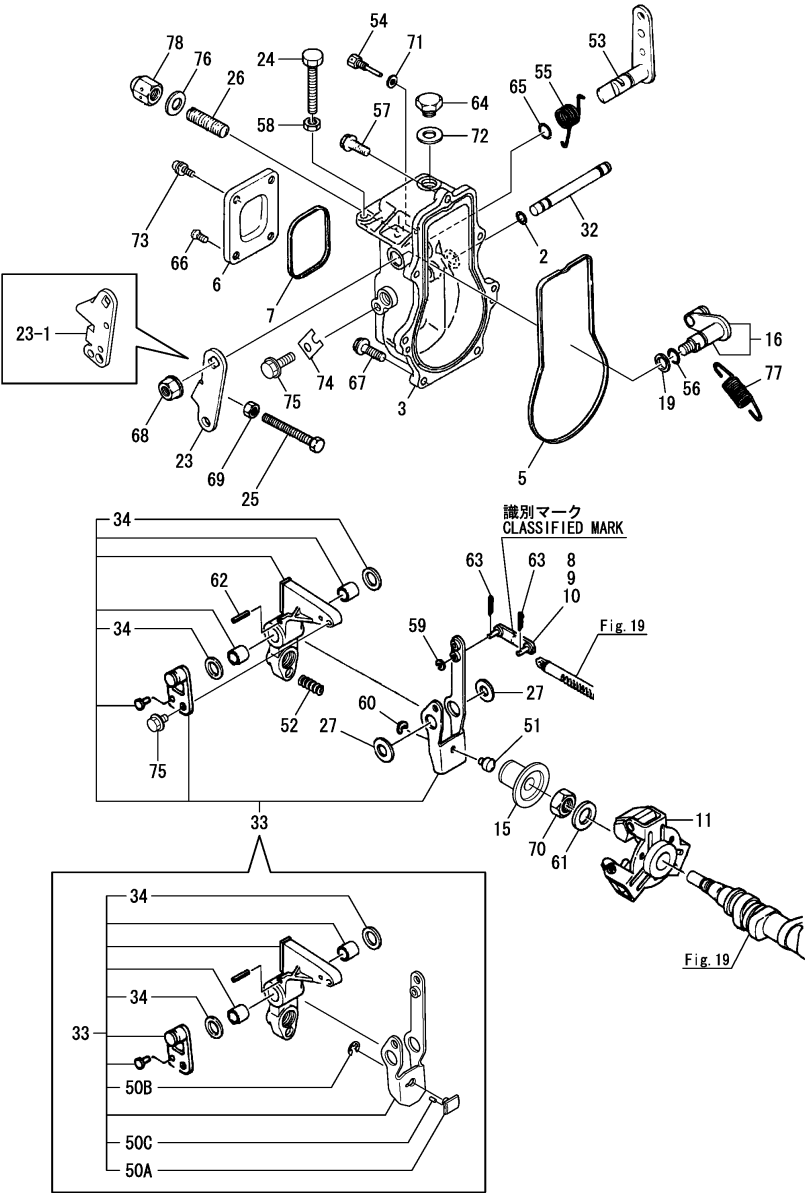
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
48	3	129155-51591	SPRING, RACK	1							
49	3	129155-51600	SHIM SET, ADJUSTING	3							Z
(A=EZZZZZ)											
50	3	129155-51701	COVER	1							
51	3	129155-51711	GASKET	1							
52	3	129155-51751	COVER	1							
53	3	129155-51760	GASKET	1							
53-1	3	129155-51761	GASKET	1							N
(A=E00197)											
54	3	129155-51790	STOPPER, RACK	1							
54-1	3	158600-51790	STOPPER, RACK	1							R
(A=E07454)											
55	3	129156-51910	LABEL, CAUTION	1							
57	3	22217-060000	WASHER, SPRING 6	2							Z
(A=E06777)											
58	3	22351-050010	PIN, SPRING 5.0X10	2							
59	3	24341-000160	O-RING, 1AS16.0	1							
59-1	3	119717-51420	O-RING	1							N
(A=E02604)											
60	3	26022-060162	SCREW, M6X16	4							
61	3	129155-51020	BOLT, STUD	2							
62	3	26022-050122	SCREW, M5X12	4							
63	3	26022-050122	SCREW, M5X12	4							
64	3	26716-060002	NUT, M6	2							
64-1	3	119717-51860	NUT, M6	2							R
(A=E06777)											
65	3	22190-160002	WASHER, SEAL 16	1							
66	3	22217-050000	WASHER, SPRING 5	2							
67	3	26116-050302	BOLT, M5X 30 PLATED	2							
68	2	129491-52000	PUMP ASSY, FUEL FEED	1							
69	3	129155-52050	GASKET	1							
69-1	3	129155-52051	GASKET	1							N
(A=E00197)											
70	3	129491-52100	PUMP ASSY, FUEL FEED	1							
70-1	3	129491-52101	PUMP ASSY, FEED	1							N
(A=E00797)											
71	1	129198-25900	GEAR, PUMP	1							
72	1	22217-120000	WASHER, SPRING 12	1							
73	1	26716-120002	NUT, M12	1							

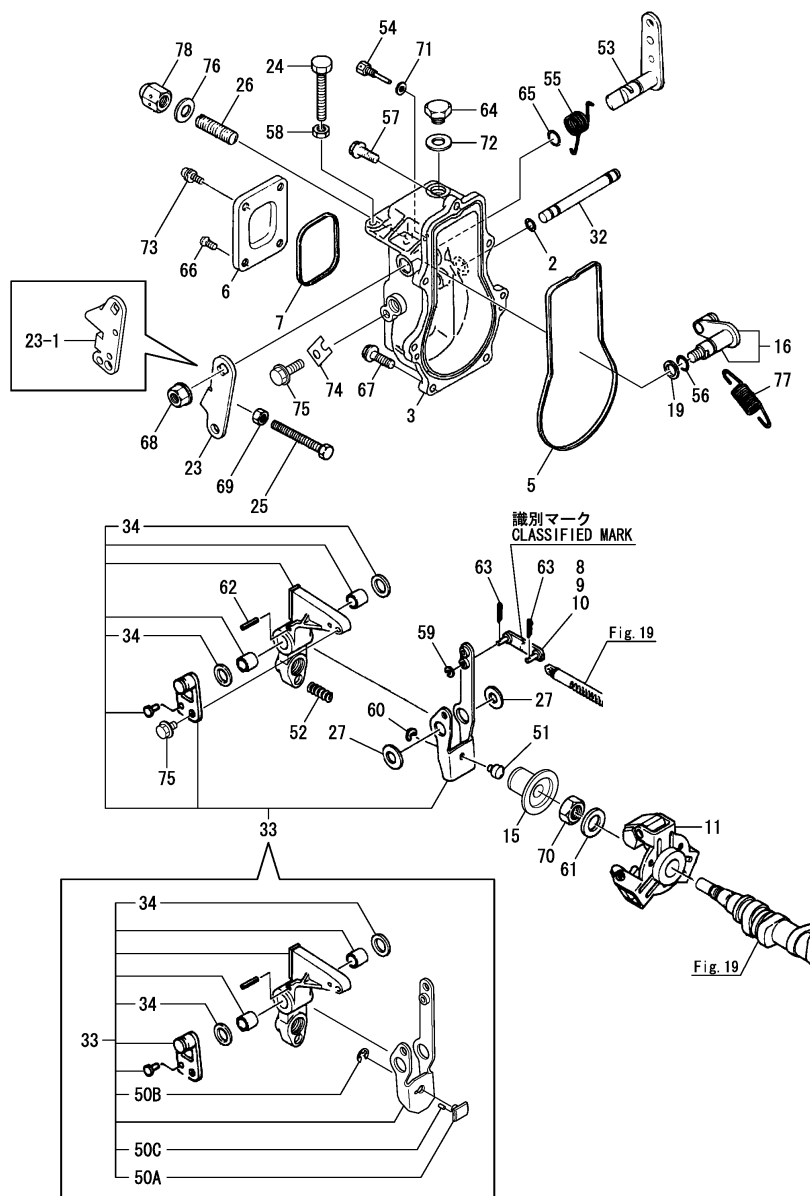
Remarks
(1)Governor(Fig.20) and Fuel
feed pump(No.68) is
incorporated in this Fuel
injection pump.(No.1)

Fig.20. GOVERNOR



Remarks
(1)Selective parts, mark; 0
(2)Selective parts, mark; 1
(3)Selective parts, mark; 05

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	3	129155-51280	O-RING, S6	1							
3	3	129155-61013	CASE, GOVERNOR	1							
5	3	129155-61050	GASKET	1							
5-1	3	129155-61051	GASKET	1							N
(A=E00197)											
6	3	129155-61060	COVER, GOVERNOR CASE	1							
7	3	129155-61070	GASKET	1							
7-1	3	129155-61071	GASKET	1							N
(A=E00197)											
8	3	129155-61120	LINK, L=30 MARK 0	1							1
9	3	129155-61130	LINK, L=31 MARK 1	1							2
10	3	129155-61140	LINK, L=30.5 MARK 05	1							3
11	3	129595-61201	WEIGHT ASSY,GOVERNOR	1							
15	3	129155-61341	SLEEVE	1							
15-1	3	129155-61350	SLEEVE, L=24.9	1							R
(A=E07929)											
16	3	129155-61400	SHAFT ASSY	1							
19	3	129155-61430	SHIM, SHAFT	1							
23	3	129470-61440	LEVER, CONTROL	1							
23-1	3	129499-61440	LEVER, CONTROL	1							N
(A=E03615)											
24	3	129470-61450	BOLT, LIMITER	1							
25	3	129155-61460	BOLT, LIMITING	1							
26	3	129155-61470	BOLT, FO CONTROL	1							
26-1	3	120323-61470	BOLT, CONTROL	1							N
(A=E05543)											
27	3	129155-61480	SHIM ASSY	2							
32	3	119660-61590	SHAFT	1							
33	3	129190-61500	LEVER ASSY, GOVERNOR	1							
34	4	174307-51700	SHIM SET, PLUNGER	2							
50A	4	129100-61540	SHIFTER	1							W
(A=E07170)											
50B	4	22272-000040	RING, E- 4	1							W
(A=E07170)											
50C	4	22351-020004	PIN, SPRING 2.0X 4	1							W
(A=E07170)											
51	3	129155-61540	SHIFTER	1							Z
(A=EZZZZZ)											
52	3	129470-61650	SPRING, FUEL CONTROL	1							
53	3	129473-61801	LEVER, STOP	1							
54	3	129155-61810	PIN	1							
55	3	129100-61821	SPRING, RETURN	1							
56	3	129155-61830	O-RING, S10	1							
57	3	129155-61950	BOLT	1							
58	3	124550-66370	NUT, M6	1							
59	3	22117-040000	WASHER, 4	1							
60	3	22272-000040	RING, E- 4	1							Z
(A=EZZZZZ)											
61	3	22287-120000	WASHER, 12	1							
62	3	22351-030016	PIN, SPRING 3.0X16	1							
63	3	22372-040000	PIN, SNAP 4	2							

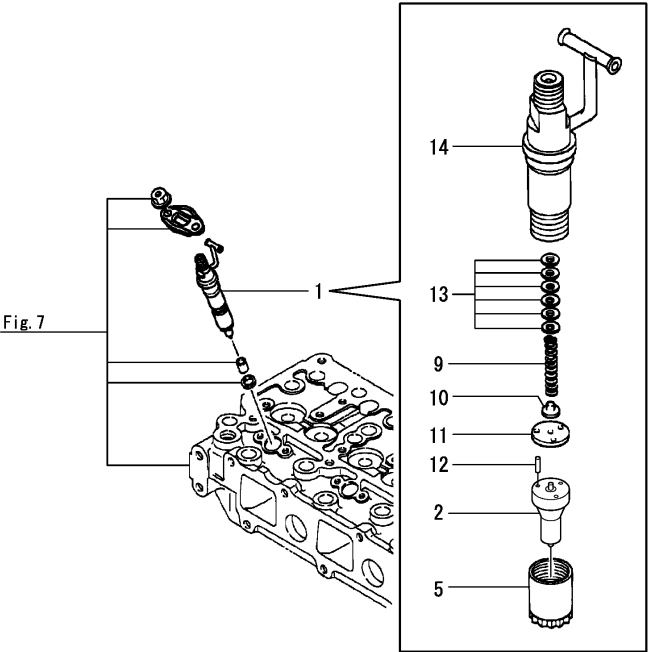
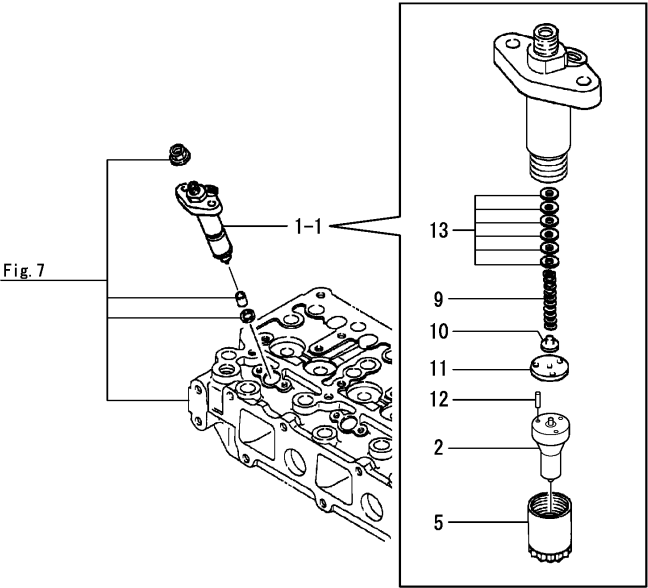


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
64	3	23887-100002	PLUG, 10	1							
65	3	24311-240100	O-RING, 1AP10A	1							
66	3	26022-050102	SCREW, M5X10	2							
67	3	26106-060202	BOLT, M6X 20 PLATED	6							
68	3	26366-080002	NUT, M8	1							
69	3	26756-060002	NUT, LOCK M6	1							
70	3	26776-120002	NUT, LOCK M12	1							
71	3	22190-060003	SEAL WASER 6	2							
72	3	22190-100002	WASHER, SEAL 10	1							
73	3	26023-050102	SCREW, M5X10	2							
74	3	119660-61901	STOPPER, SHAFT	1							
75	3	26106-060102	BOLT, M6X 10 PLATED	2							
76	3	23414-100014	GASKET, 10X1.0	1							
77	2	129198-61700	SPRING, GOVERNOR	1							
78	2	129100-61930	NUT, CAP	1							

Remarks
(1) Selective parts, mark; 0
(2) Selective parts, mark; 1
(3) Selective parts, mark; 05

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.21. FUEL INJECTION VALVE



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729198-53100	VALVE ASSY,INJECTION	3							
1-1	1	729100-53300	VALVE ASSY,INJECTION	3							S
(A=*2006.02)											
2	2	129100-53000	NOZZLE ASSY, F.I.	3							
5	2	114250-53080	NUT, NOZZLE	3							
9	2	114250-53120	SPRING, NOZZLE	3							
10	2	114250-53130	SEAT, SPRING	3							
11	2	114250-53140	SPACER	3							
12	2	114250-53210	PIN	6							
13	2	114250-53400	SHIM SET	3							
14	2	129470-11920	GASKET	3							
14-1	2	129685-11930	GASKET, NOZZLE	3							R
(A=*2006.02)											
14-2	2	129685-11930	GASKET, NOZZLE	3							Z
(A=*2006.02)											

Fig.22. FUEL INJECTION PIPE

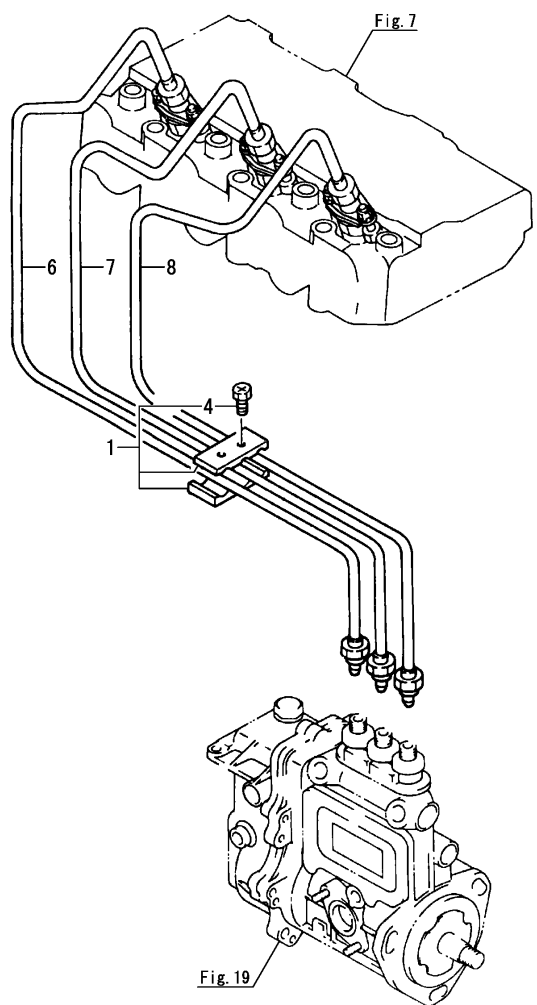
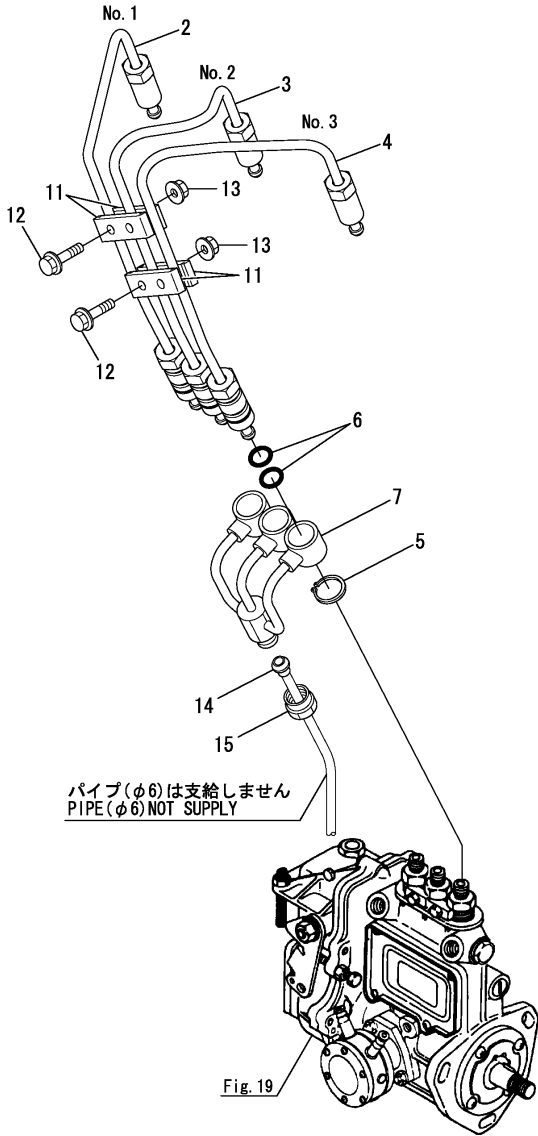
[illegible]

Fig.39. (22A)FUEL INJECTION PIPE(DOUBLE-WALLED)(OPTIONAL)

(A)=3JHLP
(B)=
(C)=

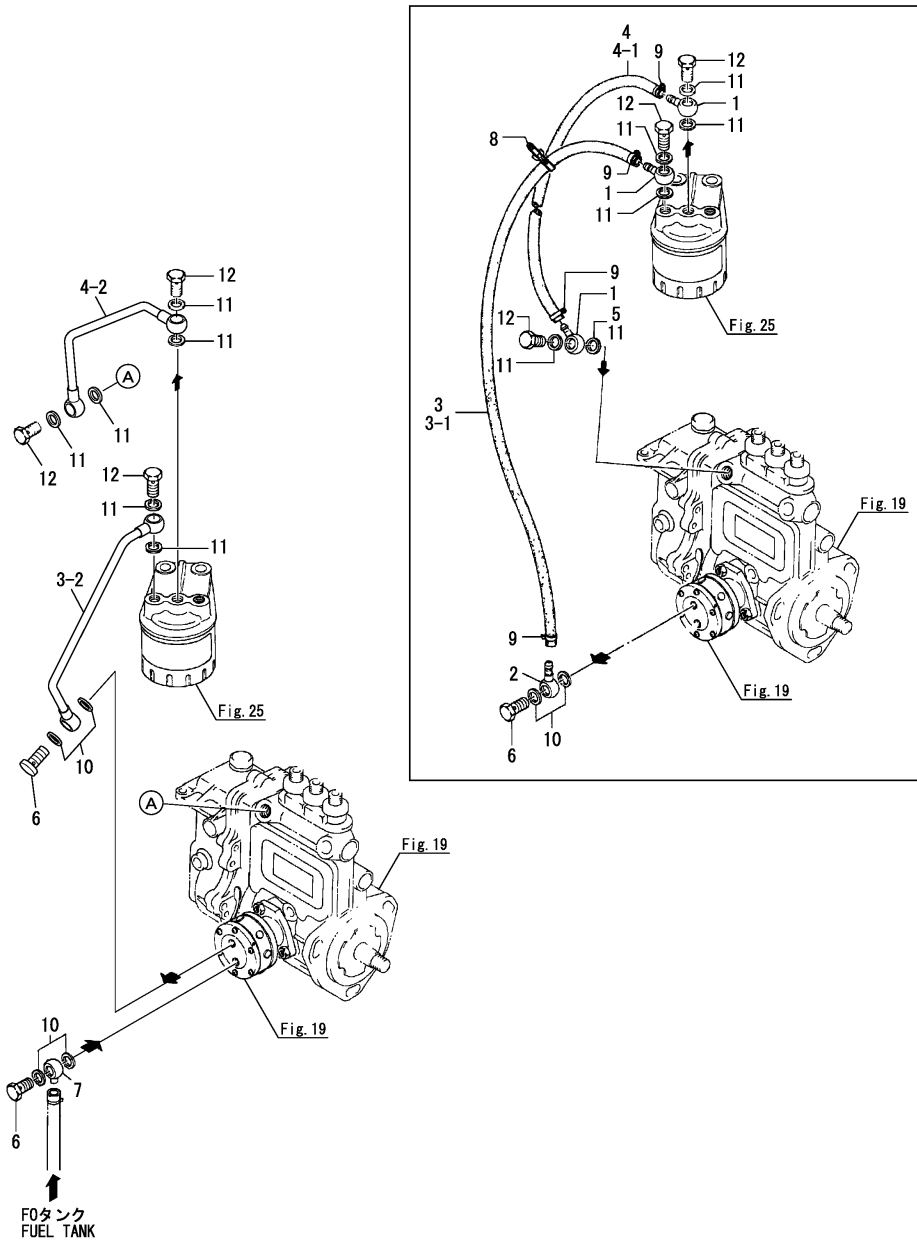
(D)=
(E)=
(F)=

1 inc. 2~15



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729191-59900	RE-MODEL ASSY	1							
2	2	43711-503110	PIPE ASSY, INJECTION	1							
3	2	43711-503120	PIPE ASSY, INJECTION	1							
4	2	43711-503130	PIPE ASSY, INJECTION	1							
5	2	22242-000180	RING, 18	3							
6	2	24311-000140	O-RING, 1AP14.0	6							
7	2	43711-503160	PIPE ASSY	1							
11	2	41650-502690	RETAINER, PIPE	4							
12	2	26106-060252	BOLT, M6X 25 PLATED	4							
13	2	26366-060002	NUT, M6	4							
14	2	23314-060000	JOINT, 6	1							
15	2	23824-060000	NUT, CAP 6	1							

Fig.23. FUEL PIPE



Remarks
(1)Interchangeable by simultaneous replacement with No.9-1.

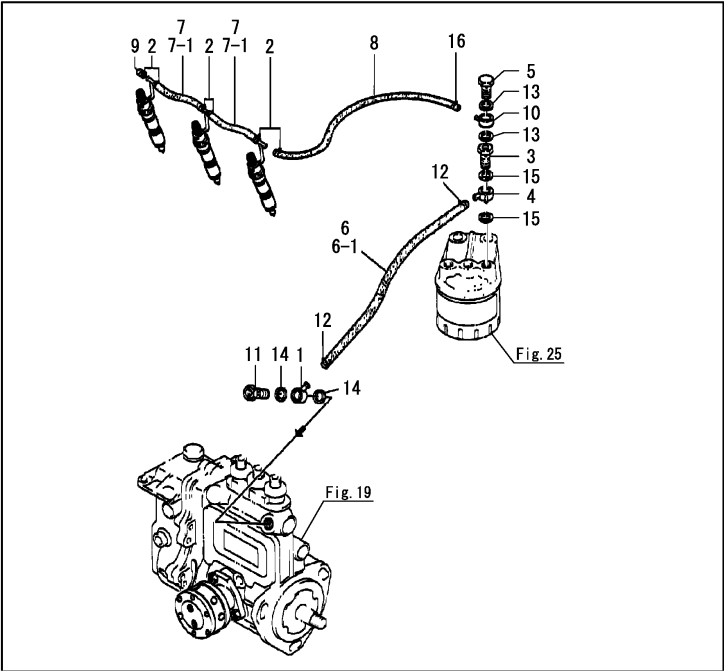
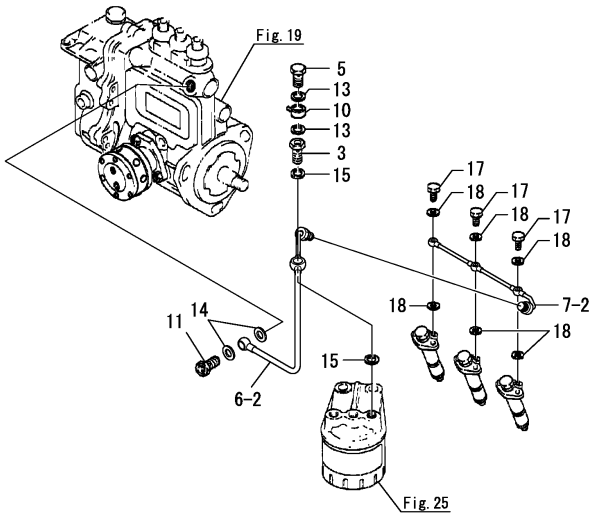
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	101304-59020	JOINT, PIPE 12	3							Z
2	1	104264-59030	JOINT, PIPE 8	1							Z
3	1	129470-59120	PIPE, FUEL	1							
3-1	1	129570-59121	PIPE, FUEL	1							F 1
3-2	1	129191-59100	PIPE, FUEL	1							S
4	1	129470-59120	PIPE, FUEL	1							
4-1	1	129470-59122	PIPE, FUEL	1							F 1
4-2	1	129191-59150	PIPE, FUEL	1							S
5	1	104200-59170	GASKET, 12	1							Z
6	1	129198-59540	BOLT, PIPE JOINT M8	2							
7	1	124223-59750	JOINT	1							
8	1	121750-59890	BAND, NYLON	1							Z
9	1	23080-013000	CLAMP, 13	4							
9-1	1	23000-016000	CLAMP, 16	4							S
9-2	1	23000-016000	CLAMP, 16	4							Z
10	1	22190-080002	WASHER, SEAL 6	4							
11	1	22190-120002	WASHER, SEAL 12	5							
11-1	1	22190-120002	WASHER, SEAL 12	6							K
12	1	23857-060000	BOLT, JOINT 6	3							

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

Fig.24. FUEL RETURN PIPE

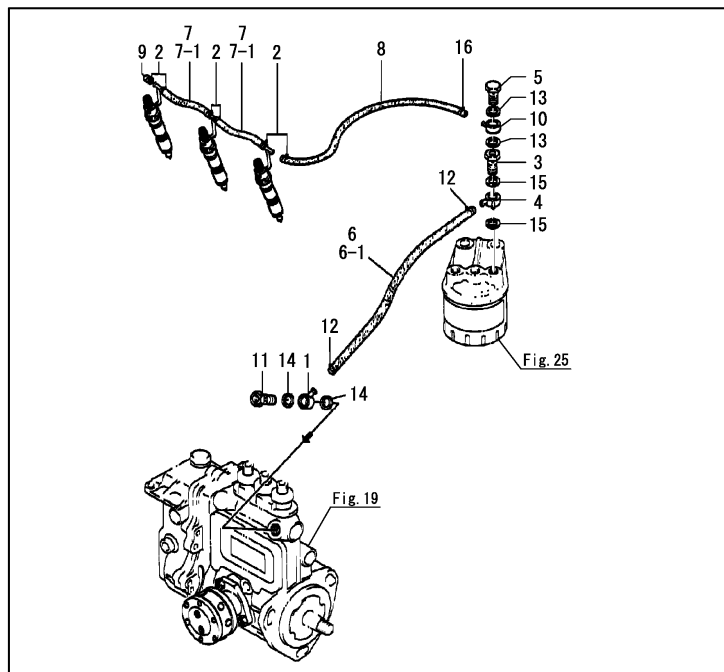
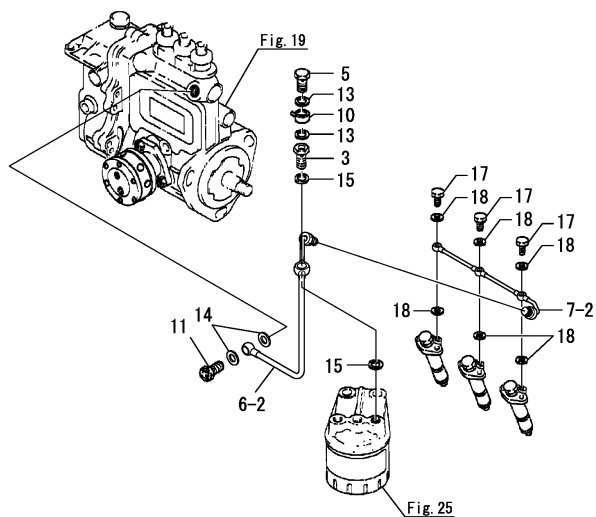
(A)=3JHLP
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	101304-59020	JOINT, PIPE 12	1							Z
		(A=*2006.02)									
2	1	23000-013000	CLAMP, 13	6							
2-1	1	23000-016000	CLAMP, 16	6							S
		(A=*2001.11)									
2-2	1	23000-016000	CLAMP, 16	6							Z
		(A=*2006.02)									
3	1	129495-59300	BOLT, PIPE JOINT	1							
4	1	129198-59530	JOINT, PIPE	1							Z
		(A=*2006.02)									
5	1	129198-59540	BOLT, PIPE JOINT M8	1							
6	1	129470-59540	PIPE, FUEL	1							
6-1	1	129470-59542	PIPE, FUEL	1						F	1
		(A=*2001.11)									
6-2	1	129191-59200	PIPE, FUEL	1							S
		(A=*2006.02)									
7	1	129495-59551	PIPE, FUEL RETURN	2							
7-1	1	129270-59550	PIPE, FUEL	2						F	1
		(A=*2001.11)									
7-2	1	129191-59250	PIPE ASSY, RETURN	1							S
		(A=*2006.02)									
8	1	129495-59561	HOSE, FUEL L=230	1							
8-1	1	129470-59562	PIPE, FUEL	1						F	1
		(A=*2001.11)									
8-2	1	129470-59562	PIPE, FUEL	1							Z
		(A=*2006.02)									
9	1	119593-59580	CAP	1							
9-1	1	129270-59580	CAP	1						F	1
		(A=*2001.11)									
9-2	1	129270-59580	CAP	1							Z
		(A=*2006.02)									
10	1	124223-59750	JOINT	1							
11	1	129100-59951	VALVE ASSY, CHECK	1							
11-1	1	119813-59950	VALVE ASSY, CHECK	1							N
		(A=*2003.12)									
12	1	23080-013000	CLAMP, 13	2							
12-1	1	23000-016000	CLAMP, 16	2							S
		(A=*2001.11)									
12-2	1	23000-016000	CLAMP, 16	2							Z
		(A=*2006.02)									
13	1	22190-080002	WASHER, SEAL 6	2							
14	1	22190-120002	WASHER, SEAL 12	2							
15	1	22190-140002	WASHER, SEAL 14	2							
16	1	119593-59590	BAND	1							
16-1	1	23000-013000	CLAMP, 13	1							S
		(A=*2001.11)									
16-2	1	23000-013000	CLAMP, 13	1							Z
		(A=*2006.02)									
17	1	129491-59540	BOLT, PIPE JOINT M6	3							W
		(A=*2006.02)									
18	1	22190-060000	WASHER, SEAL 6	6							W

Remarks
(1)Interchangeable by simultaneous replacement with hose clamp.

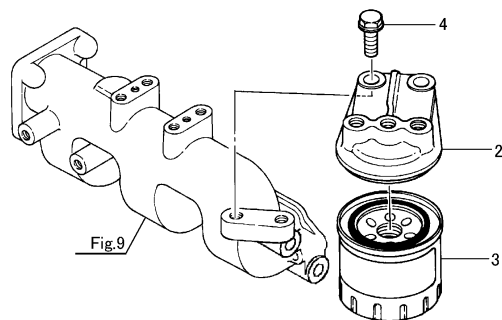


(1) Interchangeable by simultaneous replacement with hose clamp.

[illegible]

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

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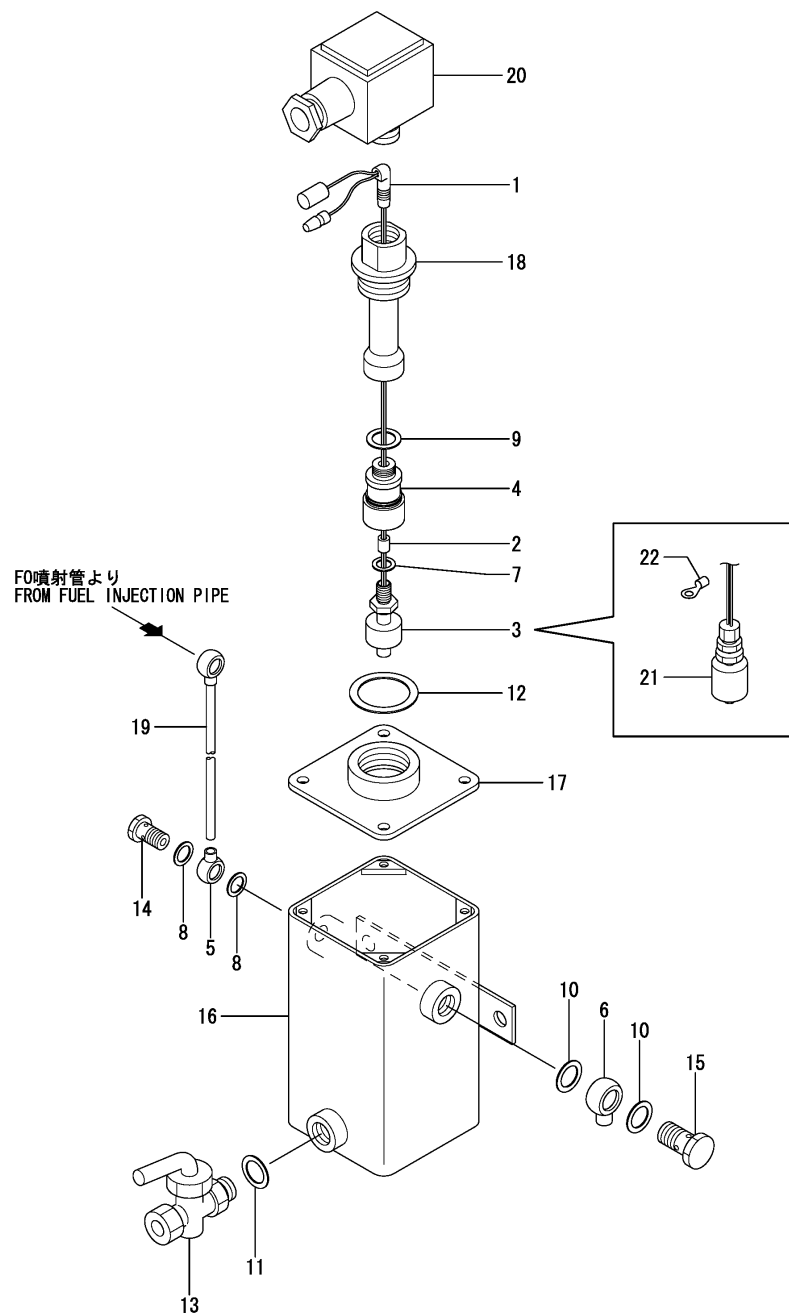


No.	Lev.	Parts No.	Description	(A)=3JHLP		(D)=		I	R
				(B)=	(C)=	(E)=	(F)=		
				Q'ty					
				(A)	(B)	(C)	(D)	(E)	(F)
2	1	129470-55610	BODY, STRAINER	1					
3	1	129470-55701	STRAINER ASSY, FUEL	1					1
3-1	1	129470-55702	FILTER, FUEL	1					R 1
3-2	1	129470-55703	FILTER, FUEL	1					R 1
3-3	1	129470-55810	FILTER, FUEL	1					R 2
4	1	26106-100302	BOLT, M10X 30 PLATED	2					

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

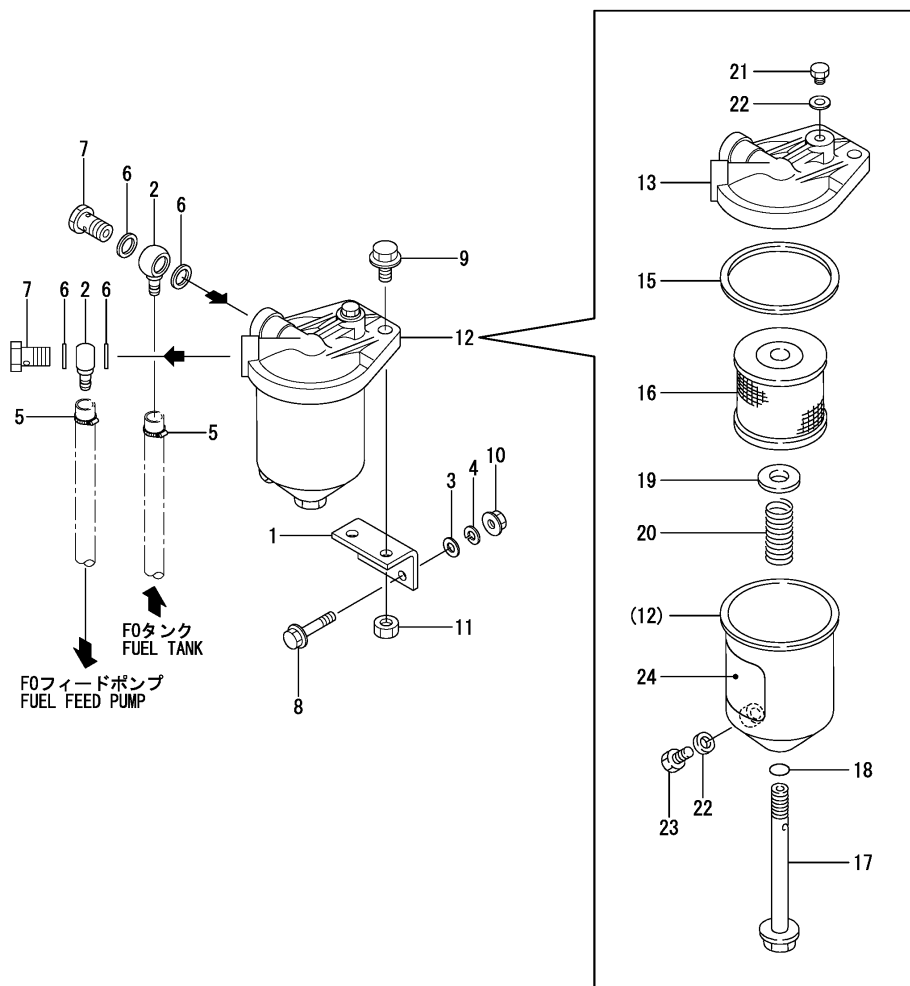
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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Fig.40. (25A)FUEL OVERFLOW TANK(OPTIONAL)

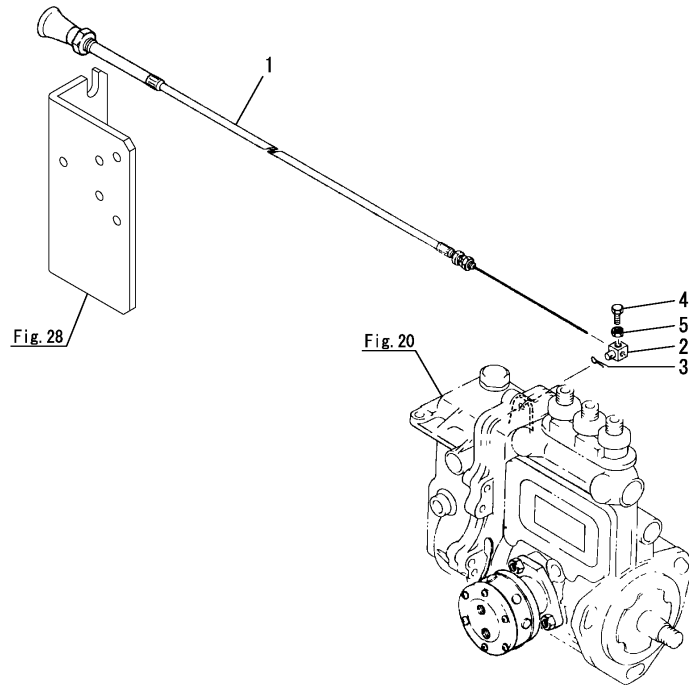


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	127610-77720	PROTECTOR	1							
2	1	123682-77740	PROTECTOR	1							
3	1	123672-91220	SWITCH, FLOAT	1							Z
(A=EZZZZZ)											
4	1	127610-91860	SPACER	1							
5	1	23341-060000	JOINT, PIPE 6-12	1							
6	1	23341-100000	JOINT, PIPE 10-16	1							
7	1	23414-100000	GASKET, 10X1.0	1							
8	1	23414-120000	GASKET, 12X1.0	2							
9	1	23414-160000	GASKET, 16X1.0	1							
10	1	23414-160000	GASKET, 16X1.0	2							
11	1	23414-170000	GASKET, 17X1.0	1							
12	1	23414-360000	GASKET, 36X1.0	1							
13	1	23634-040031	COCK, ASTAP A3/8	1							
14	1	23857-060000	BOLT, JOINT 6	1							
15	1	23857-100000	BOLT, JOINT 10	1							
16	1	43230-561220	TANK	1							
17	1	43230-561230	COVER, TANK	1							
18	1	43550-501660	PLUG	1							
19	1	43714-503510	PIPE, FUEL INJECTION	1							
20	1	46150-513000	BOX, TERMINAL	1							
21	1	46111-564780	SWITCH	1							W
(A=EZZZZZ)											
22	1	29110-001254	TERMINAL, 1.25- 4	2							W
(A=EZZZZZ)											

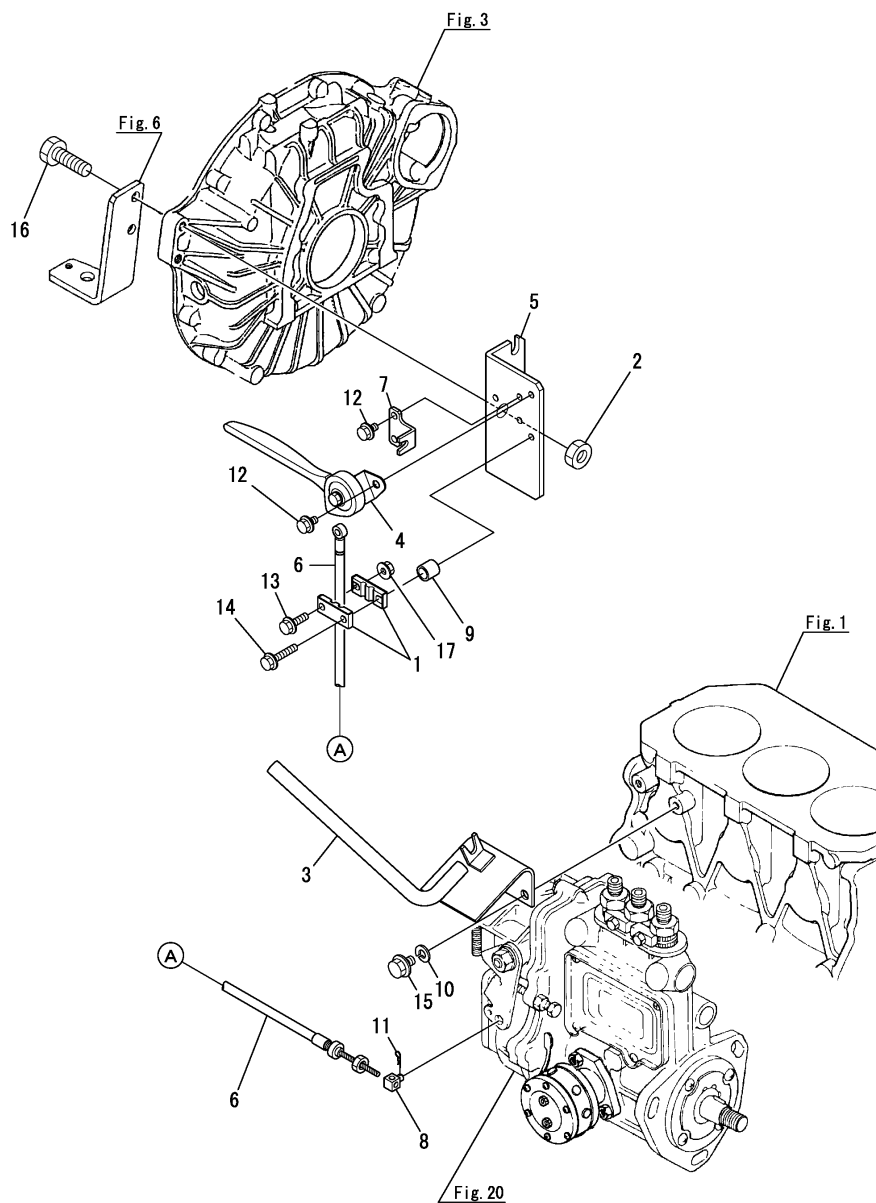
Fig.26. OIL/WATER SEPARATOR(OPTIONAL)



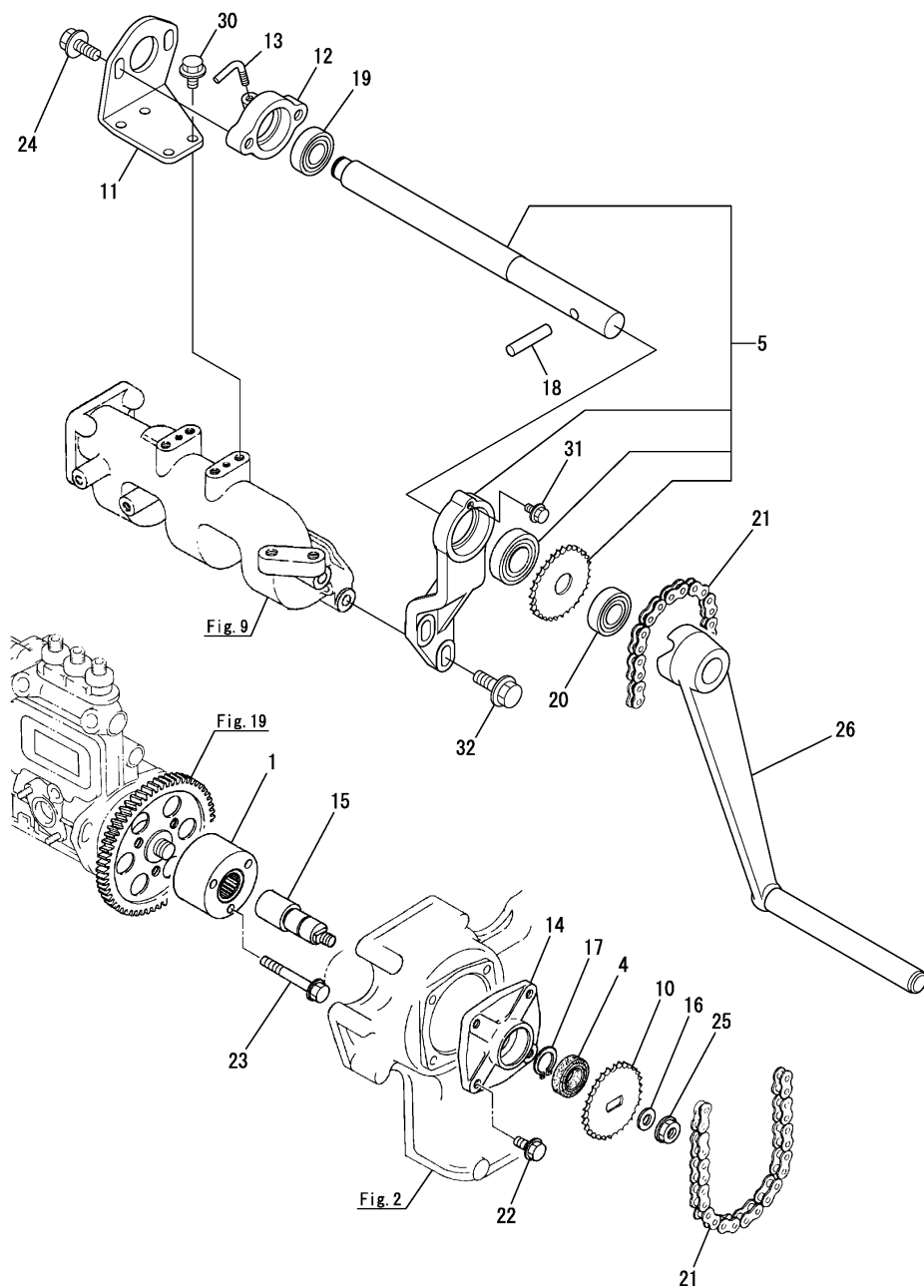
	(A)=	(B)=	(C)=	(D)=	(E)=	(F)=		I R
No.	Lev.	Parts No.	Description	(A)	(B)	Q'ty (C) (D) (E) (F)		
1	1	123672-55811	BRACKET	1				
2	1	121750-59910	JOINT, BALL	2				
3	1	22137-080000	WASHER, 8	2				
4	1	22217-080000	WASHER, SPRING 8	2				
5	1	23000-016000	CLAMP, 16	2				
6	1	23414-140000	GASKET, 14X1.0	4				
7	1	23857-080000	BOLT, JOINT 8	2				
8	1	26106-080402	BOLT, M8X 40 PLATED	2				
9	1	26106-100202	BOLT, M10X 20 PLATED	2				
10	1	26306-080002	NUT, M8	2				
11	1	26706-100002	NUT, M10	2				
12	1	120324-55750	SEPARATOR ASSY	1				
12-1	1	120324-55751	SEPARATOR ASSY	1				N
	(A=EZZZZZ)							
13	2	X2740134001	COVER ASSY	1				Z
	(A=EZZZZZ)							
13-1	2	X2740134002	COVER ASSY	1				W
	(A=EZZZZZ)							
15	2	X0582810173	GASKET	1				
16	2	120324-55760	ELEMENT	1				
17	2	X0311121522	BOLT	1				
18	2	X0580121073	O-RING, 1A P 12.0	1				
19	2	X0300120414	SEAT, SPRING	1				
20	2	X0600160122	SPRING	1				
21	2	X0314080110	PLUG	1				
22	2	X0588080273	WASHER	2				
23	2	X0313080110	BOLT	1				Z
	(A=EZZZZZ)							
23-1	2	X0313080922	BOLT	1				W
	(A=EZZZZZ)							
24	2	X0993070671	LABEL	1				Z
	(A=EZZZZZ)							
24-1	2	X0993071171	LABEL, CAUTION	1				W
	(A=EZZZZZ)							



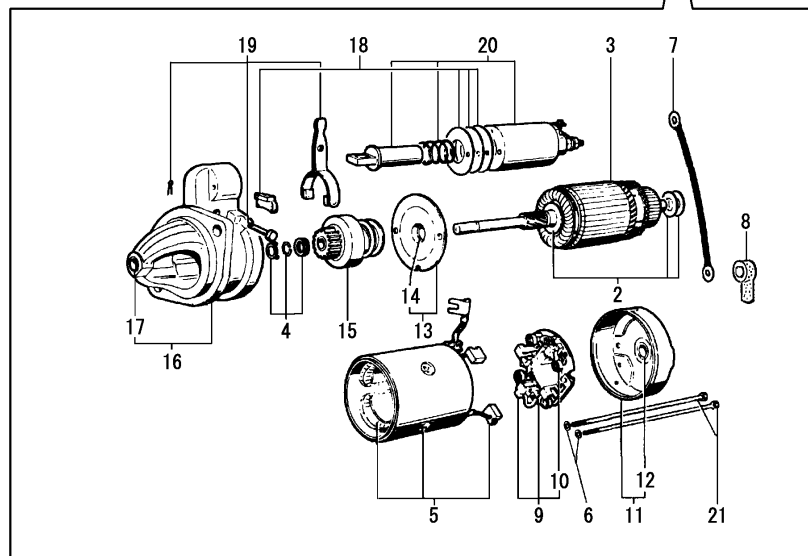
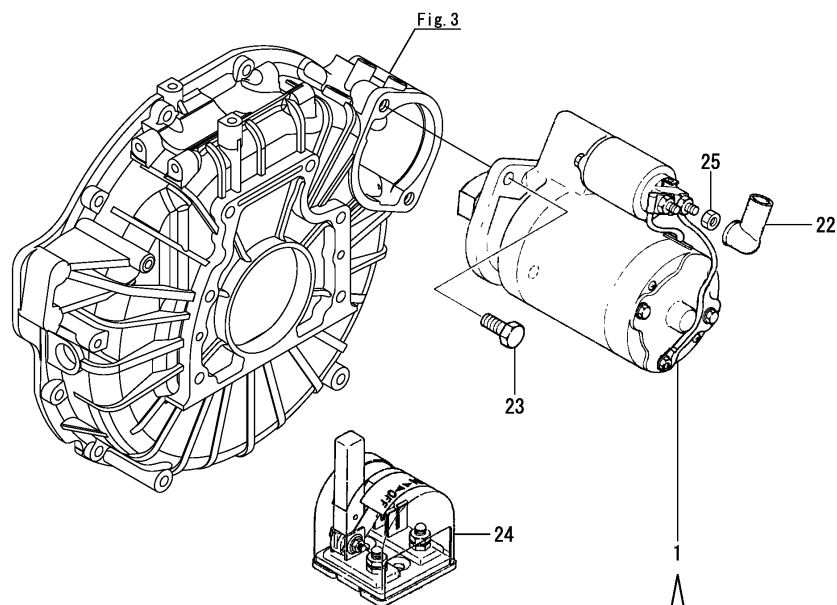
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	129495-66550	CABLE, STOP L=500	1							
2	1	129590-67310	RETAINER	1							
3	1	22414-250150	PIN, COTTER 2.5X15	1							
4	1	26116-050142	BOLT, M5X 14 PLATED	1							
5	1	26756-050002	NUT, LOCK M5	1							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	122780-59100	RETAINER	2							
2	1	26716-120002	NUT, M12	2							
3	1	129170-67100	BRACKET, GOVERNOR	1							
4	1	105582-67190	LEVER	1							
5	1	129191-67200	BRACKET	1							
6	1	105583-67210	CABLE, L=528	1							
7	1	128272-67210	CLAMP	1							
8	1	129590-67310	RETAINER	1							
9	1	105578-77790	SPACER	1							
10	1	22217-080000	WASHER, SPRING 8	2							
11	1	22372-060000	PIN, SNAP 6	1							
12	1	26106-060102	BOLT, M6X 10 PLATED	4							
13	1	26106-060202	BOLT, M6X 20 PLATED	1							
14	1	26106-060302	BOLT, M6X 30 PLATED	1							
15	1	26106-080122	BOLT, M8X 12 PLATED	2							
16	1	26116-120402	BOLT, M12X 40 PLATED	2							
17	1	26366-060002	NUT, M6	1							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129198-76160	JOINT	1							
4	1	124770-52180	SEAL, TC20X35X8	1							
5	1	129191-76010	SHAFT ASSY, STARTING	1							
10	1	124770-76100	SPROCKET	1							
11	1	129191-76100	BRACKET	1							
12	1	128176-76120	SUPPORT	1							
13	1	104211-76150	BOLT	1							
14	1	129198-76180	COVER	1							
15	1	129198-76220	SHAFT, STARTING	1							
16	1	22137-100000	WASHER, 10	1							
17	1	22242-000200	RING, 20	1							
18	1	22312-100500	PIN, PARALLEL M10X50	1							
19	1	24104-060044	BEARING, BALL 6004UU	1							
20	1	24104-060054	BEARING, BALL 6005UU	1							
21	1	25210-430620	CHAIN, 43X 62	1							
22	1	26106-080202	BOLT, M8X 20 PLATED	4							
23	1	26106-080452	BOLT, M8X 45 PLATED	3							
24	1	26106-100302	BOLT, M10X 30 PLATED	2							
25	1	26376-100002	NUT, M10	1							
26	1	123340-76790	HANDLE, STARTING	1							
30	1	26106-080162	BOLT, M8X 16 PLATED	4							
31	1	26106-060102	BOLT, M6X 10 PLATED	1							
32	1	26106-100302	BOLT, M10X 30 PLATED	2							



No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)
1	1	129491-77010	STARTER 24V-3.5KW	1					
2	2	X21201115	WASHER SET, THRUST	1					
3	2	X225031001	ARMATURE ASSY	1					
4	2	X22506105	STOPPER SET, PINION	1					
5	2	X225052001	COIL ASSY, FIELD	1					
6	2	X21301827	WASHER	2					
7	2	X21205820	CONECTING WIRE	1					
8	2	X22508815	COVER SET, TERMINAL	1					
9	2	X22508310	HOLDER ASSY.,BRUSH	1					
10	3	X21304313	SPRING, BRUSH	4					
11	2	X225013014	COVER ASSY., REAR	1					
12	3	X21301310	METAL, COVER BEARING	1					
13	2	X21303400	BEARING ASSY	1					
14	3	X21204401	METAL, CENTER BERG.	1					
15	2	X225075004	PINION ASSY	1					
16	2	X225096005	CASE ASSY., GEAR	1					
17	3	X21301310	METAL, COVER BEARING	1					
18	2	X21302610	COVER SET, DUST	1					
19	2	X21302605	LEVER SET	1					
20	2	X225087005	SWITCH ASSY.,MAGNET	1					
21	2	X22503820	BOLT, THROUGH	2					
22	1	124550-77030	COVER, TERMINAL	1					
23	1	26116-120302	BOLT, M12X 30 PLATED	2					
24	1	123310-77640	SWITCH, BATTERY	2					
25	1	26756-080002	NUT, LOCK M8	1					

(A)=3JHLP
(B)=
(C)=

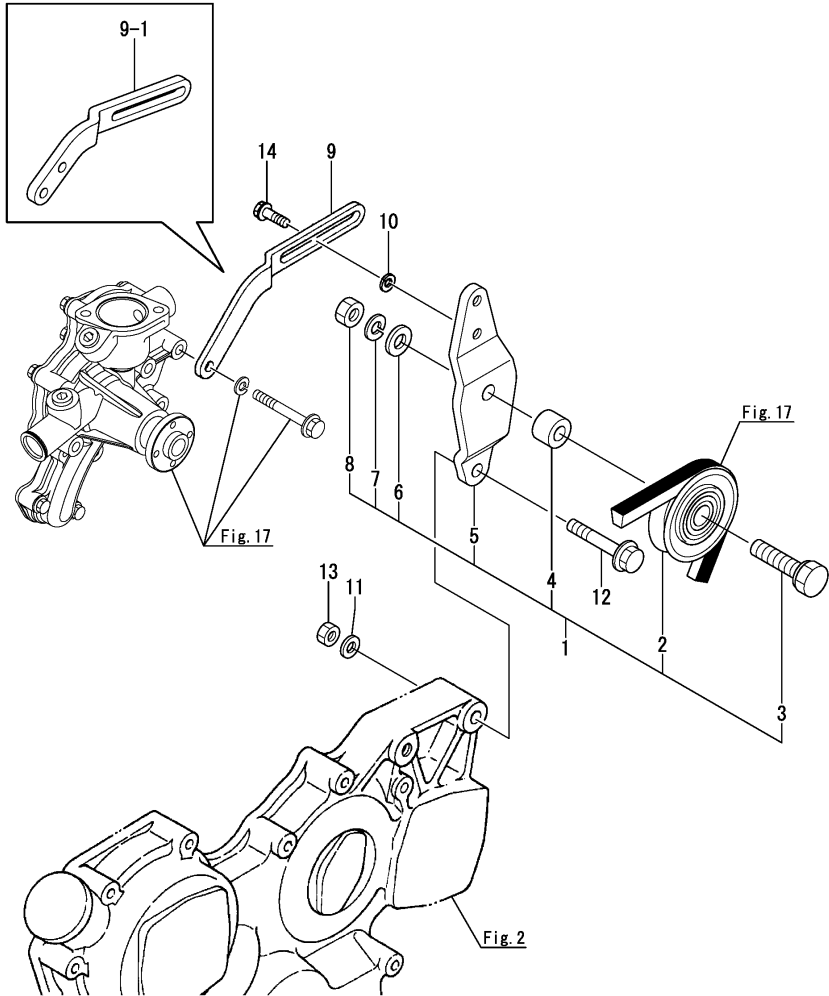
(D)=
(E)=
(F)=

I R

(A=E00197)

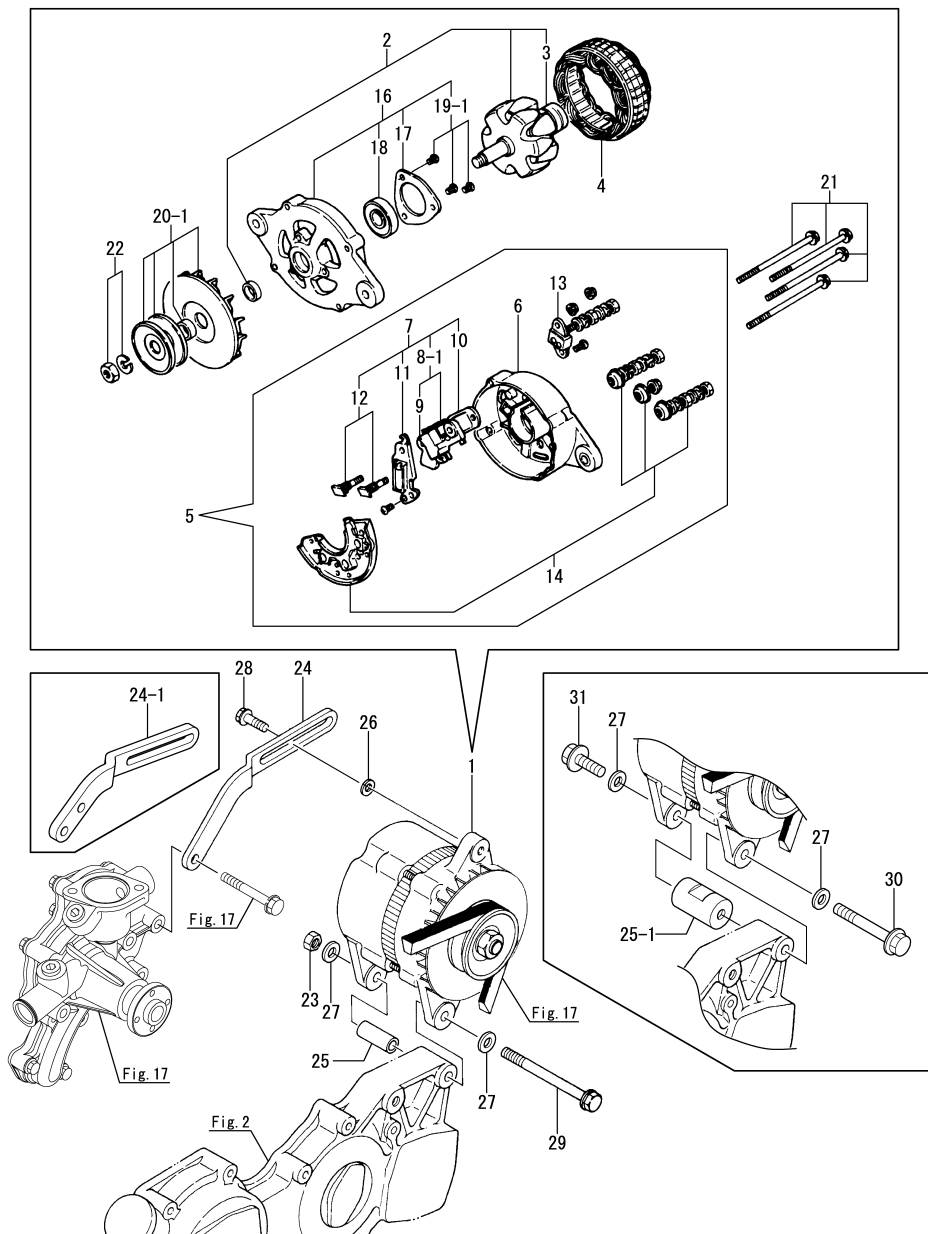
W

Fig.31. TENSION PULLEY



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	170074-77200	PULLEY ASSY, TENSION	1							
2	2	171325-44200	PULLEY, TENSION	1							
3	2	171325-44310	BOLT	1							
4	2	171325-44320	SPACER	1							
5	2	170074-77210	BRACKET, PULLEY	1							
6	2	22127-120000	WASHER, 12	1							
7	2	22217-120000	WASHER, SPRING 12	1							
8	2	26716-120002	NUT, M12	1							
9	1	129470-77330	ADJUSTER, BELT	1							
9-1	1	129495-77330	ADJUSTER, BELT	1							N
(A=EZZZZZ)											
10	1	22137-080000	WASHER, 8	2							
11	1	22137-100000	WASHER, 10	1							
12	1	26106-100602	BOLT, M10X 60 PLATED	1							
13	1	26716-100002	NUT, M10	1							
14	1	26106-080252	BOLT, M8X 25 PLATED	1							

Fig.32. GENERATOR(OPTIONAL)(HITACHI: TO JUN. 2012)



(1) Inner parts are shown in Fig.41.

(A)=3JHLP
(B)=
(C)=

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

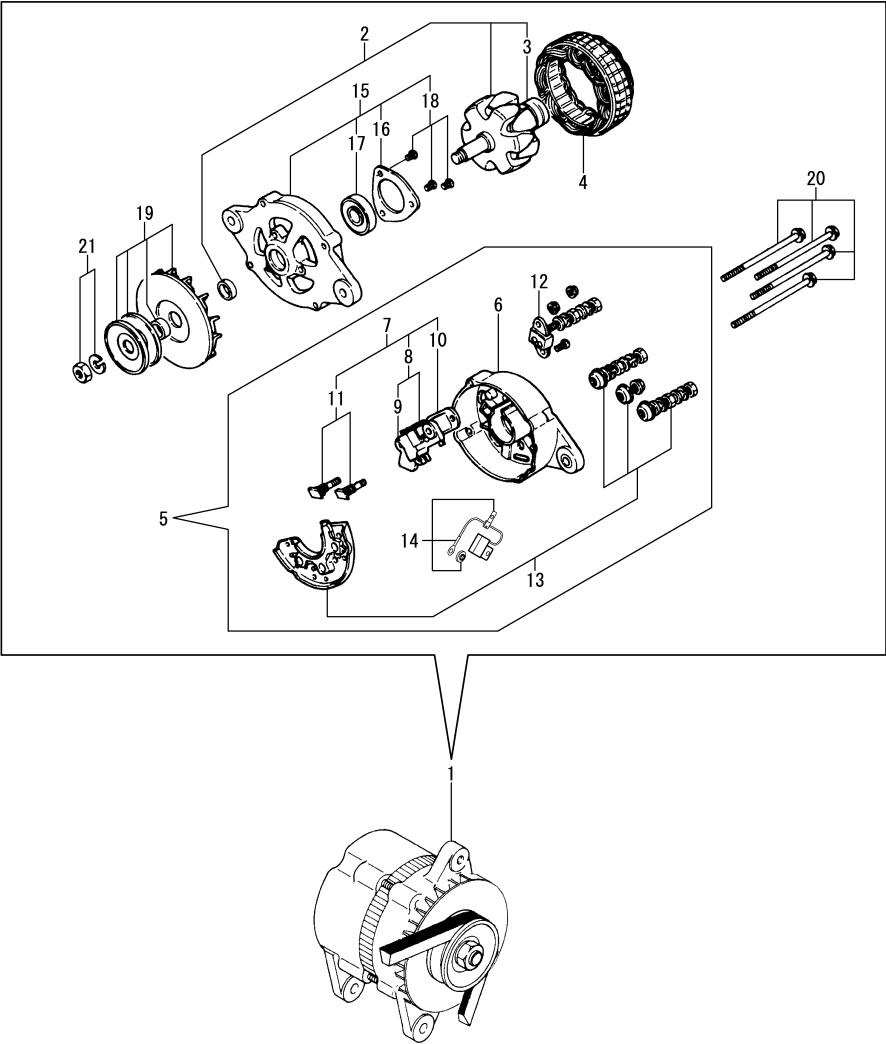
No.	Lev.	Parts No.	Description	Qty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124611-77200	GENERATOR	1							
1-1	1	124611-77201	GENERATOR	1							R 1
		(A=E02723)									
1-2	1	124611-77202	GENERATOR	1							N 1
		(A=E04366)									
1-3	1	124611-77202	GENERATOR	1							Z 1
		(A=E08920)									
2	2	XL2255100	ROTOR ASSY	1							
3	3	X6201SD	BALL BEARING	1							
4	2	XL22542001	STATER ASSY	1							
5	2	XL22543003	COVER ASSY, REAR	1							
6	3	XL22553012	COVER, REAR	1							
7	3	XL2254315	REGULATOR ASSY,BRUSH	1							
8-1	4	XL235G3330	BRUSH ASSY	1							
9	5	XL12013262	BRUSH	2							
10	4	XTR2Z46	IC REGULATOR ASSY	1							
11	4	XL2251318	CONDENCER ASSY	1							
12	4	XL13513134	BOLT M5	2							
13	3	XL2256310	TERMINAL BOLT ASSY	1							
14	3	XL2253320	DIODE ASSY	1							
16	2	XL2253400	FRONT COVER ASSY	1							
17	3	XL15014042	BEARING RETAINER	1							
18	3	X6203BM	BALL BEARING	1							
19-1	3	XL15028001	SCREW ASSY	1							
20-1	2	XL225G6500	PULLEY ASSY	1							
21	2	XL15018015	BOLT, THROUGH	4							
22	2	XL1501810	NUT ASSY, PULLEY	1							
23	1	26716-100002	NUT, M10	1							Z
		(A=E00197)									
24	1	129470-77330	ADJUSTER, BELT	1							
24-1	1	129495-77330	ADJUSTER, BELT	1							N
		(A=*2001.12)									
25	1	129470-77340	PIECE, DISTANCE	1							
25-1	1	129670-77340	PIECE, DISTANCE	1							S
		(A=E00197)									
26	1	22137-080000	WASHER, 8	1							
27	1	22137-100000	WASHER, 10	2							
28	1	26106-080252	BOLT, M8X 25 PLATED	1							
29	1	26116-101202	BOLT, M10X120 PLATED	1							Z
		(A=E00197)									
30	1	129695-77370	BOLT, M10X75	1							W
		(A=E00197)									
30-1	1	129695-77371	BOLT, M10X70	1							N
		(A=E03101)									
31	1	129695-77380	BOLT, M10X30	1							W
		(A=E00197)									

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

Fig.41. (32A)GENERATOR COMPONENT PARTS(OPTIONAL)(HITACHI: TO JUN. 2012)

(A)=3JHLP
(B)=
(C)=

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



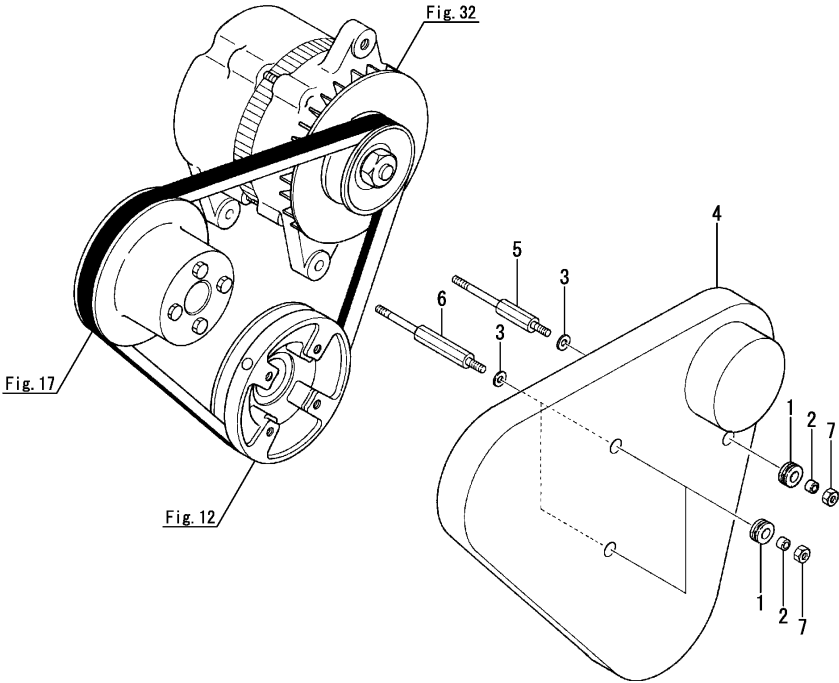
JUN. 2012)

(A)=3JHLP
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	124611-77201	GENERATOR	1							
1-1	1	124611-77202	GENERATOR	1						N	
(A=E04366)											
1-2	1	124611-77202	GENERATOR	1						Z	
(A=E08920)											
2	2	XL2255100	ROTOR ASSY	1							
3	3	X6201SD	BALL BEARING	1							
4	2	XL225G5200	STATER ASSY	1							
5	2	XL225G23001	COVER ASSY, REAR	1							
5-1	2	XL225G43001	COVER ASSY, REAR	1						N	
(A=E04366)											
6	3	XL22553012	COVER, REAR	1							
7	3	XL225G4315	REGULATOR ASSY,BRUSH	1							
8	4	XL235G3330	BRUSH ASSY	1							
9	5	XL12013262	BRUSH	2							
10	4	XTR2Z46	IC REGULATOR ASSY	1							
11	4	XL13513134	BOLT M5	2							
12	3	XL2256310	TERMINAL BOLT ASSY	1							
13	3	XL2253320	DIODE ASSY	1							
14	3	XL135G2318	CONDENSER	1							
14-1	3	XL225G1318	CONDENCER ASSY	1						N	
(A=E04366)											
15	2	XL2253400	FRONT COVER ASSY	1							
16	3	XL15014042	BEARING RETAINER	1							
17	3	X6203BM	BALL BEARING	1							
18	3	XL15028001	SCREW ASSY	1							
19	2	XL225G6500	PULLEY ASSY	1							
20	2	XL15018015	BOLT, THROUGH	4							
21	2	XL1501810	NUT ASSY, PULLEY	1							

Fig.42. (32B)V-BELT COVER

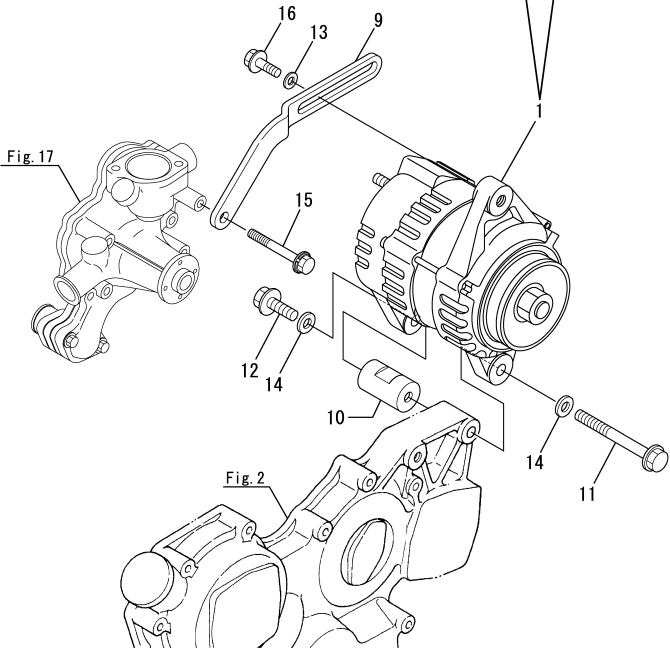
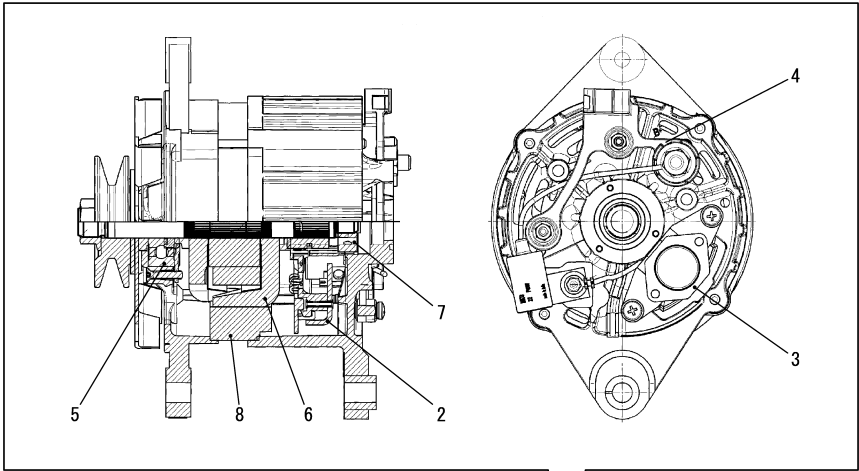


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	105100-55501	ABSORBER	3							
2	1	105100-55540	COLLAR	3							
3	1	106100-55800	WASHER	6							
4	1	129491-77400	COVER, V-BELT	1							
5	1	129491-77410	BOLT	1							
6	1	129491-77420	BOLT	2							
7	1	26716-080002	NUT, M8	3							

Fig.43. (32C)GENERATOR(OPTIONAL)(BOSCH: FROM JUL. 2012)

(A)=3JHLP
(B)=
(C)=

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

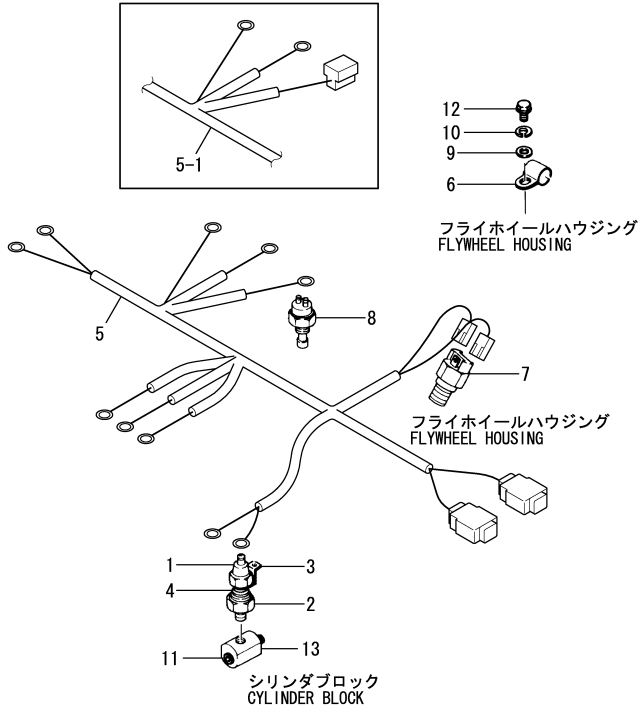


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119195-77200 (A=E08921)	ALTERNATOR, 24V-45A	1							W
2	2	119195-77700	RECTIFIER	1							
3	2	119195-77710	REGULATOR	1							
4	2	119195-77720	PROTECTOR	1							
5	2	129908-77780	BEARING, BALL FR	1							
6	2	129908-77790	ROTOR	1							
7	2	129908-77800	BEARING, BALL RR	1							
8	2	129908-77830	STATOR	1							
9	1	129470-77330	ADJUSTER, BELT	1							
10	1	129670-77340	PIECE, DISTANCE	1							
11	1	129695-77371	BOLT, M10X70	1							
12	1	129695-77380	BOLT, M10X30	1							
13	1	22137-080000	WASHER, 8	1							
14	1	22137-100000	WASHER, 10	2							
15	1	26014-080652	BOLT, M8X 65	1							
16	1	26106-080252	BOLT, M8X 25 PLATED	1							

Remarks

* This item is applicable to [(A)=E08921] or following machines(Refer to Fig.32, 41)

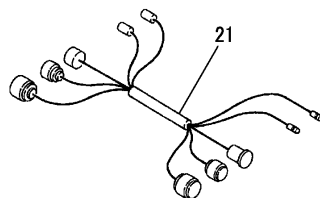
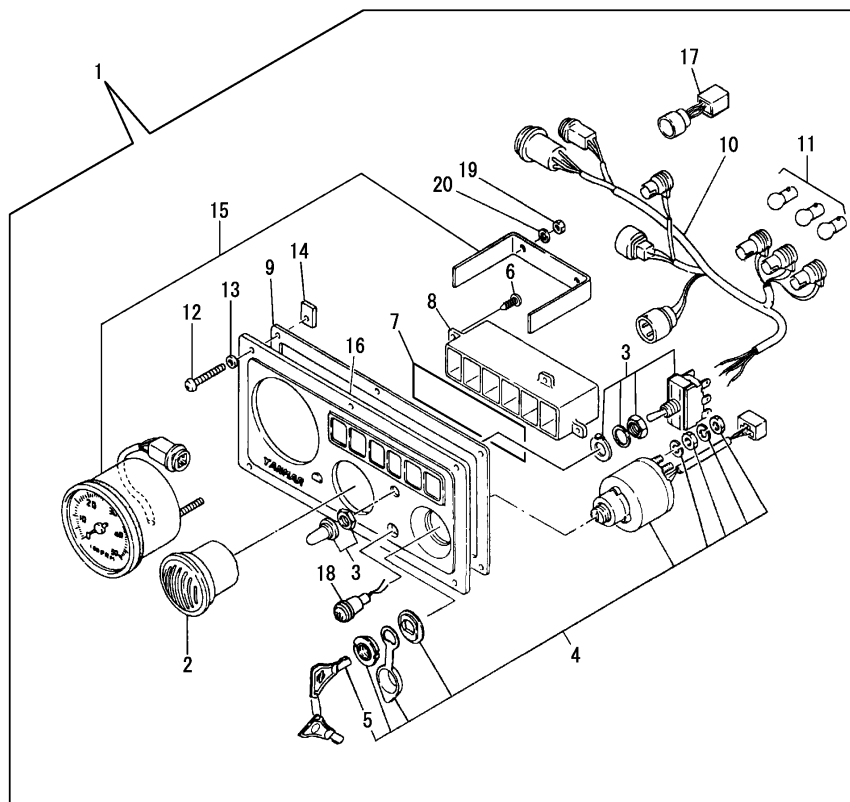
Fig.33. WIRE HARNESS & SENSOR(OPTIONAL)



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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124060-39452	SWITCH, 0.2KG	1							
1-1	1	121252-39450	SWITCH, HYDRAULIC	1						N	
(A=E04366)											
2	1	171022-39460	JOINT	1							
3	1	171022-39470	TERMINAL, EARTH	1							
4	1	171022-39480	SPRING	1							
5	1	129191-77930	HARNESS, WIRE	1							
5-1	1	129191-77931	HARNESS, WIRE	1						S	1
(A=E08921)											
6	1	124070-77950	CLAMP	1							
6-1	1	23297-180081	CLAMP, A18X 8	1						N	
(A=EZZZZZ)											
7	1	128170-91160	SENSOR	1							
8	1	126630-91350	SWITCH, THERMO	1							
9	1	22137-080000	WASHER, 8	1							
10	1	22217-080000	WASHER, SPRING 8	1							
11	1	23876-010000	PLUG, R01	1							
12	1	26106-080162	BOLT, M8X 16 PLATED	1							
13	1	43580-500680	DAMPER ASSY, PT1/8	1							

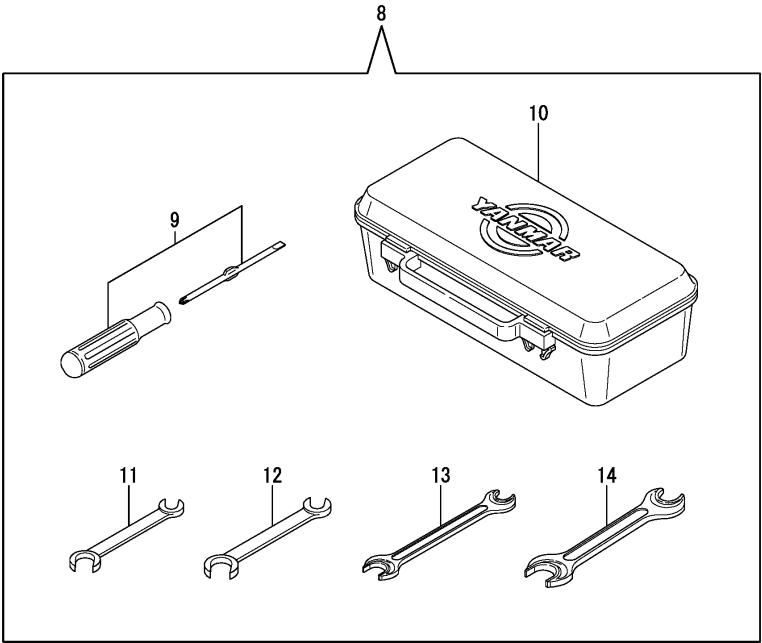
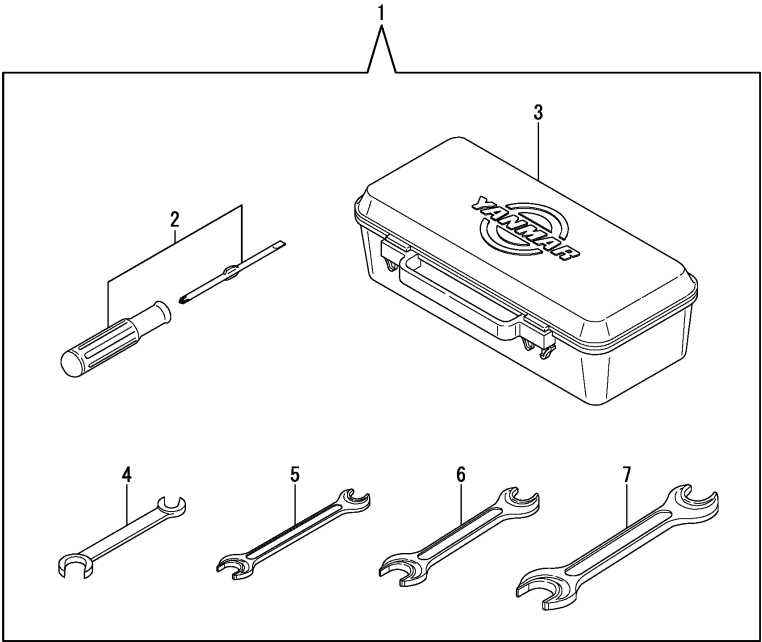
Remarks
(1)Support for Bosch generator.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	46150-506410	PANEL	1							
2	2	X054200049	BUZZER	1							
3	2	128170-91310	SWITCH	1							
4	2	121575-91250	SWITCH, KEY	1							
5	3	123482-91291	SWITCH, KEY	1							
6	2	X010005075	SCREW	4							
7	2	X052500590	LENS,PILOT	1							
8	2	X051400960	LAMP CASE,PILOT	1							
9	2	128170-91020	GASKET	1							
10	2	X055106293	HARNES, WIRE	1							
11	2	X055400023	LAMP,PILOT	3							
12	2	128170-91810	SCREW, M5X35	6							
13	2	128170-91820	WASHER, 5	6							
14	2	128170-91830	NUT, M5	6							
15	2	XYM01510020	TACHOMETER	1							
16	2	X053100106	PANEL	1							
17	2	X005400274	TIMER	1							
18	2	X056700026	LAMP ASSY, PILOT	1							
19	2	X009905013	NUT 5	2							
20	2	X009705013	SPRING WASHER 5	2							
21	1	127610-77700	HARNES, WIRE 3M	1							

(A)=3JHLP
(B)=
(C)=

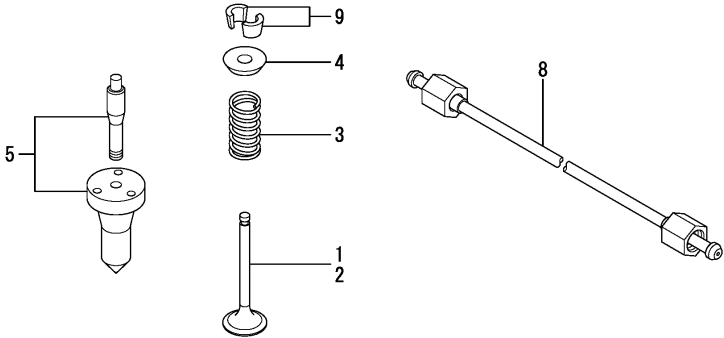
(D)=
(E)=
(F)=



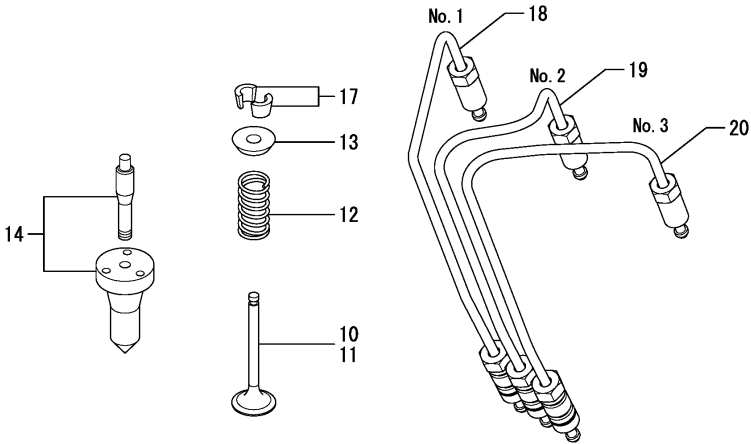
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	724772-92100 (A=E07454)	BOX ASSY, TOOL	1						Z	
2	2	104200-92350	SCREW-DRIVER	1						Z	
3	2	104200-92600 (A=E07454)	BOX, TOOL	1						Z	
4	2	28110-100130 (A=E07454)	SPANNER, 10X13	1						Z	
5	2	28110-120140	SPANNER, 12X14	1						Z	
6	2	28110-170190 (A=E07454)	SPANNER, 17X19	1						Z	
7	2	28110-220240 (A=E07454)	SPANNER, 22X24	1						Z	
8	1	719195-92500	TOOL ASSY	1						W	
9	2	104200-92350 (A=E07454)	SCREW-DRIVER	1						W	
10	2	104200-92600 (A=E07454)	BOX, TOOL	1						W	
11	2	28110-080100	SPANNER, 8X10	1						W	
12	2	28110-100130 (A=E07454)	SPANNER, 10X13	1						W	
13	2	28110-120140 (A=E07454)	SPANNER, 12X14	1						W	
14	2	28110-170190 (A=E07454)	SPANNER, 17X19	1						W	

Fig.36. SPARE PARTS

標準仕様
STANDARD SPEC.



F0噴射パイプ被覆仕様
DOUBLE-WALLED FUEL INJECTION PIPE SPEC.



(A)=3JHLP
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-11100	VALVE, SUCTION	1							
2	1	129100-11112	VALVE, EXHAUST	1							
3	1	129795-11120	SPRING, VALVE	2							
4	1	129795-11180	RETAINER, SPRING	2							
5	1	129100-53000	NOZZLE ASSY, F.I.	1							
8	1	129198-59810	PIPE ASSY, INJECTION	1							
9	1	27310-080001	COTTER, 8	2							
10	1	129100-11100	VALVE, SUCTION	1							
11	1	129100-11112	VALVE, EXHAUST	1							
12	1	129795-11120	SPRING, VALVE	2							
13	1	129795-11180	RETAINER, SPRING	2							
14	1	129100-53000	NOZZLE ASSY, F.I.	1							
17	1	27310-080001	COTTER, 8	2							
18	1	43711-503110	PIPE ASSY, INJECTION	1							
19	1	43711-503120	PIPE ASSY, INJECTION	1							
20	1	43711-503130	PIPE ASSY, INJECTION	1							

Parts No. Index

Parts No.	Fig. No.	Ref. No.
101304-59020	23	1
	24	1
104200-59170	23	5
104200-92350	35	2
		9
104200-92600	35	3
		10
104211-76150	29	13
104214-39720	4	12
104264-59030	23	2
104511-11370	7	21
		47
105100-55501	42	1
105100-55540	42	2
105425-01690	4	1 A
105578-77790	28	9
105582-34100	1	37
105582-67190	28	4
105583-67210	28	6
106100-55800	42	3
106500-44810	3	7
		7 -1
114250-53080	21	5
114250-53120	21	9
114250-53130	21	10
114250-53140	21	11
114250-53210	21	12
114250-53400	21	13
119174-25060	11	6 -1
119195-77200	43	1
119195-77700	43	2
119195-77710	43	3
119195-77720	43	4
119309-01810	1	4 -1
119593-59580	24	9
119593-59590	24	16
119609-32040	14	9 A
119609-32130	14	9 D
		13
119609-32320	14	9 E
		14
119609-35300	14	9 C
		12
119609-35330	14	9 G
		16
119620-49290	18	10
119625-11870	7	24
		24 -2
119625-11872	7	24 -1
119625-11880	7	26

Parts No.	Fig. No.	Ref. No.
119625-11900	7	25
119660-61590	20	32
119660-61901	20	74
119717-51420	19	59 -1
119717-51500	19	39 -1
119717-51860	19	64 -1
119802-01561	2	7 -1
		26 -1
119802-11280	7	38 -1
119810-51040	19	4
119813-59950	24	11 -1
120130-11860	7	45
120130-39990	15	2 -1
120323-61470	20	26 -1
120324-55750	26	12
120324-55751	26	12 -1
120324-55760	26	16
120445-44530	18	1
120445-44540	18	2
120445-44640	18	21
121023-01550	2	5
121023-01551	2	5 -1
121100-22400	13	8
121111-21501	12	9
121252-39450	33	1 -1
121400-11340	7	19
121450-01560	2	7
		26
121550-23200	13	12
121575-91250	34	4
121750-03080	8	7
121750-59890	23	8
121750-59910	26	2
121850-11860	7	9 -1
121850-21680	12	8
121850-51960	2	30
122710-51050	19	5
122710-51090	19	8
122780-59100	28	1
123310-77640	30	24
123340-76790	29	26
123482-91291	34	5
123672-55811	26	1
123672-91220	40	3
123682-07851	5	4
123682-07852	5	4 -1
123682-77740	40	2
124060-39452	33	1
124070-77950	33	6
124085-11690	17	3

Parts No.	Fig. No.	Ref. No.
124160-01751	2	8
	8	20
	37	22
124160-01910	1	5
124160-11360	8	3
		23
	37	16
		33
124160-39140	14	23
124160-49480	18	11
124223-59750	23	7
	24	10
124240-01871	2	21
		27 -1
124413-39100	15	1
124460-11340	7	20
124460-77680	1	26
	18	25
124550-01590	2	23 -1
124550-21600	12	12
124550-51350	19	30
124550-51370	19	31
124550-59820	14	28
		28 A
124550-59830	14	28 -1
124550-66370	20	58
124550-77030	30	22
124611-77200	32	1
124611-77201	32	1 -1
	41	1
124611-77202	32	1 -2
		1 -3
	41	1 -1
		1 -2
124770-52180	29	4
124770-76100	29	10
124772-01900	3	5
124950-51190	19	12
126630-91350	33	8
127610-77700	34	21
127610-77720	40	1
127610-91860	40	4
128170-13600	18	6
128170-51300	19	25
128170-91020	34	9
128170-91160	33	7
128170-91310	34	3
128170-91810	34	12
128170-91820	34	13
128170-91830	34	14

Parts No.	Fig. No.	Ref. No.
128176-76120	29	12
128272-13800	10	4
128272-67210	28	7
128296-07260	5	1
128296-07300	5	2
128296-07360	5	3
128371-01800	1	25
129001-01250	1	8
129052-35000	14	9 -1
129052-42050	17	5 -1
129052-42310	17	6 -1
129054-42320	17	2 -1
129100-01520	2	3
129100-01580	12	1 A
129100-11100	7	14
	36	1
		10
129100-11110	7	15
129100-11111	7	15 -1
129100-11112	7	15 -2
	36	2
		11
129100-11301	8	19
	37	26
129100-23910	13	29
129100-51560	19	45
129100-51570	19	44
129100-53000	21	2
	36	5
		14
129100-59811	22	6
129100-59821	22	7
129100-59831	22	8
129100-59951	24	11
129100-61540	20	50 A
129100-61821	20	55
129100-61930	20	78
129107-44590	18	20
129129-14580	11	1
129150-01200	1	23
129150-01870	2	27
129150-01881	2	22
		28
129150-02020	1	6 A
		12
129150-02450	11	2
129150-02930	1	18
129150-02931	1	18 -1
129150-02940	1	32
129150-02941	1	32 -1

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Parts No.	Fig. No.	Ref. No.
129150-03070	8	6
	37	3
		24
129150-03080	37	4
		25
129150-11230	7	36
129150-11280	7	33
129150-11290	7	28
129150-11301	8	1
	37	8
129150-11310	8	2
		22
	37	10
		28
129150-11370	7	47 -1
129150-11750	7	37
129150-11810	7	46
129150-12111	9	2
129150-13110	18	5
129150-14101	11	4
129150-14200	11	7
129150-14400	11	8
129150-21200	12	3
129150-22300	13	7
129150-23600	13	13
129150-23601	13	13 -1
		13 -2
		30
129150-23610	13	15
129150-23611	13	15 -1
129150-25020	11	9
129150-25052	11	10
129150-32020	14	2
129150-35041	14	31
129150-35042	14	31 -1
129150-35091	14	4
129150-35101	14	9
		9 B
129150-35111	14	10
129150-35150	14	11
129150-35152	14	11 -1
129150-35153	14	11 -2
129150-35170	14	11 -3
129150-35340	14	9 H
		17
129150-35350	14	9 K
		20
129150-39450	14	24
129150-42020	17	7
129150-42059	17	5 -2

Parts No.	Fig. No.	Ref. No.
129150-42120	17	1 B
129150-42129	17	1 B-1
129150-42300	17	4
129150-42301	17	4 -1
129150-42319	17	6 -2
129150-42320	17	2
129150-49811	17	26 -1
129150-59120	22	1
129150-59131	22	4
129155-11241	7	27
129155-11260	7	31
129155-11270	7	32
129155-51020	19	61
129155-51140	19	9
129155-51180	19	11
129155-51200	19	13
129155-51270	19	23
129155-51280	19	24
	20	2
129155-51320	19	28
129155-51340	19	29
129155-51370	19	32
129155-51380	19	33
129155-51390	19	34
129155-51400	19	35
129155-51410	19	36
129155-51420	19	37
129155-51450	19	38
129155-51500	19	39
129155-51530	19	41
129155-51540	19	42
129155-51550	19	43
129155-51570	19	46
129155-51580	19	47
129155-51591	19	48
129155-51600	19	49
129155-51630	19	19 A
129155-51701	19	50
129155-51711	19	51
129155-51751	19	52
129155-51760	19	53
129155-51761	19	53 -1
129155-51790	19	54
129155-52050	19	69
129155-52051	19	69 -1
129155-61013	20	3
129155-61050	20	5
129155-61051	20	5 -1
129155-61060	20	6
129155-61070	20	7

Parts No.	Fig. No.	Ref. No.
129155-61071	20	7 -1
129155-61120	20	8
129155-61130	20	9
129155-61140	20	10
129155-61341	20	15
129155-61350	20	15 -1
129155-61400	20	16
129155-61430	20	19
129155-61460	20	25
129155-61470	20	26
129155-61480	20	27
129155-61540	20	51
129155-61810	20	54
129155-61830	20	56
129155-61950	20	57
129156-44760	17	9
129156-51910	19	55
129170-01701	4	1
129170-12100	9	1
129170-21001	12	1
129170-21650	12	6
129170-44000	18	8
129170-44110	18	16
129170-44900	18	7
129170-49260	17	20
129170-67100	28	3
129171-01320	1	35
129171-01330	1	24
129171-01340	1	36
129171-44600	18	19
129190-01710	4	16
129190-01720	4	17
129190-61500	20	33
129191-01500	2	1 -1
129191-11350	37	1
129191-11360	37	21
129191-13600	10	1
129191-13660	10	3
129191-21800	12	15
129191-34860	4	11
129191-49100	16	2
129191-59100	23	3 -2
129191-59150	23	4 -2
129191-59200	24	6 -2
129191-59250	24	7 -2
129191-67200	28	5
129191-76010	29	5
129191-76100	29	11
129191-77930	33	5
129191-77931	33	5 -1

Parts No.	Fig. No.	Ref. No.
129198-01551	2	1
129198-01750	4	3
129198-03730	8	14
	37	5
129198-03740	8	15
	37	6
129198-03760	8	16
	37	7
129198-11700	7	1 -2
129198-13610	10	2
129198-21590	12	10
129198-23100	13	9 -1
129198-25900	19	71
129198-59530	24	4
129198-59540	23	6
	24	5
129198-59810	36	8
129198-61700	20	77
129198-76160	29	1
129198-76180	29	14
129198-76220	29	15
129263-42120	17	1 B-2
129270-59550	24	7 -1
129270-59580	24	9 -1
		9 -2
129290-01720	4	1 -1
129301-03660	8	12
	37	19
129400-01601	3	1
129400-51200	19	20
129402-22090	13	1
129402-22920	13	23
129402-22970	13	25
129410-03990	8	13
	37	20
129470-01510	2	2
129470-01531	2	4
129470-01550	2	6
129470-01620	3	2
129470-01710	4	2
129470-03010	8	5
	37	2
		23
129470-03090	8	11
	37	18
129470-07230	7	41
129470-11080	7	5 -1
129470-11090	7	6
129470-11850	7	5
129470-11920	21	14

Parts No. Index

Parts No.	Fig. No.	Ref. No.
129470-32000	14	1
129470-32001	14	1 -1
129470-42001	17	1
129470-42002	17	1 -1
129470-42003	17	1 -2
129470-42050	17	5
129470-42310	17	6
129470-44440	18	17
129470-44450	18	18
129470-49030	16	1
129470-49200	17	16
129470-49220	17	17
129470-49240	17	18
129470-49250	17	19
129470-49540	17	23
129470-49801	17	25
129470-49810	17	26
129470-51060	19	6
129470-51080	19	7
129470-55610	25	2
129470-55701	25	3
129470-55702	25	3 -1
129470-55703	25	3 -2
129470-55810	25	3 -3
129470-59120	23	3
		4
129470-59122	23	4 -1
129470-59540	24	6
129470-59542	24	6 -1
129470-59562	24	8 -1
		8 -2
129470-61440	20	23
129470-61450	20	24
129470-61650	20	52
129470-77330	31	9
	32	24
	43	9
129470-77340	32	25
129472-18090	10	5
129473-61801	20	53
129486-42050	17	7 -1
129490-08100	6	1
129490-08110	6	2
129490-08120	6	3
129491-52000	19	68
129491-52100	19	70
129491-52101	19	70 -1
129491-59540	24	17
129491-77010	30	1
129491-77400	42	4

Parts No.	Fig. No.	Ref. No.
129491-77410	42	5
129491-77420	42	6
129495-12550	9	5
129495-59300	24	3
129495-59551	24	7
129495-59561	24	8
129495-66550	27	1
129495-77330	17	30
		30 -1
	31	9 -1
	32	24 -1
129499-61440	20	23 -1
129550-42350	17	8
129570-59121	23	3 -1
129573-25090	11	14
129573-25100	11	11
129590-67310	27	2
	28	8
129595-61201	20	11
129670-49290	17	22
129670-77340	32	25 -1
	43	10
129673-01600	3	1 -1
129673-01620	3	1 -2
129685-11930	21	14 -1
		14 -2
129690-02800	1	15
129690-02870	1	29
129690-13600	18	6 -1
129693-44300	7	48 -1
129695-77370	32	30
129695-77371	32	30 -1
	43	11
129695-77380	32	31
	43	12
129795-01780	3	3
129795-01800	2	9
129795-01950	1	22
	2	20
129795-02411	1	6 D
	21	
129795-02412	1	6 D-1
129795-11120	7	16
	36	3
		12
129795-11180	7	17
	36	4
		13
129795-21661	12	7
129795-49551	17	24

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