

OCF50-M00070EN

Introduction

1.This parts catalog is a first edition of the 3YM30AE Diesel engine.

	Date of issue	Remarks
First edition	June, 2014	No need

2.Standard finish color. Yanmar ecole silver metallic
Parts No. 977620-40071 4L(Packed in a can)
Parts No. TOR-94800250 Spray(1 piece)

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

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

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

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

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OCF50-M00070

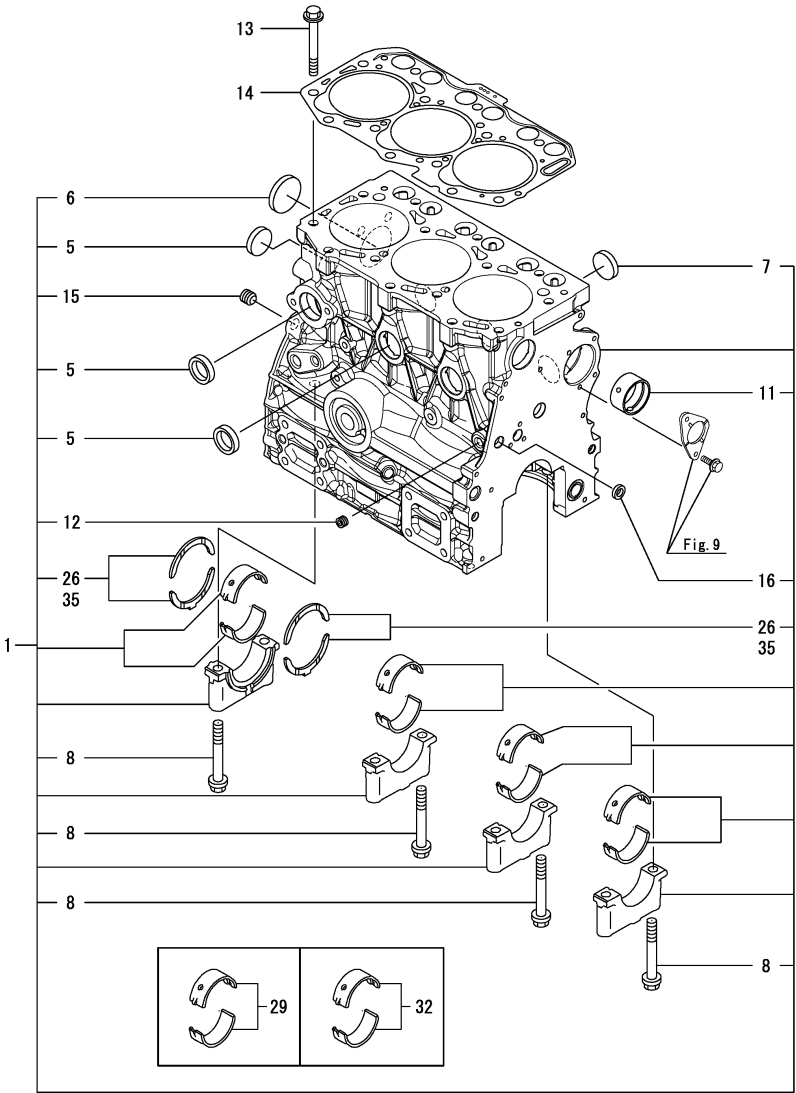
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3YM30AE	
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Fig.1. CYLINDER BLOCK

(A)=3YM30AE
(B)=
(C)=

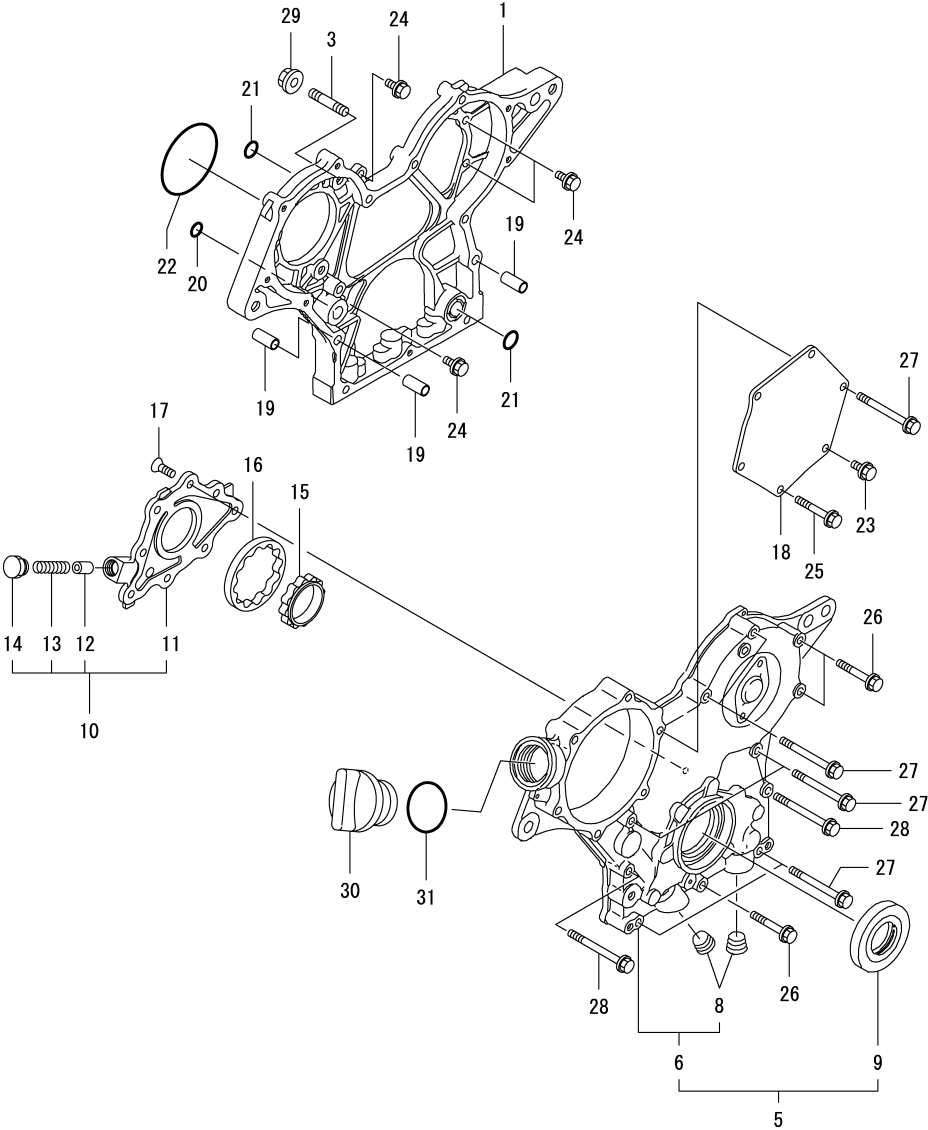
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119E00-01560	BLOCK ASSY, CYLINDER	1							
5	2	105311-01090	PLUG, 30	4							
6	2	119623-01250	PLUG, 45	1							
7	2	119285-01990	PLUG, 25	3							
8	2	119620-02020	BOLT, METAL CAP	8							
11	2	119717-02411	BUSH, CAMSHAFT	1							
12	2	124060-01050	PLUG, PT1/8	1							
13	2	119810-01200	BOLT, HEAD	14							
14	2	119E10-01330	GASKET SET, HEAD	1							
15	2	124160-01910	PLUG, PT1/4	1							
16	2	27241-120000	PLUG, 12	1							
26	2	119717-02930	BEARING, THRUST	2							
29	1	719717-02901	BEARING, MAIN	4							1
32	1	719717-02911	BEARING, 0.25 US	4							2
35	1	119810-02941	BEARING, THRUST 0.25	2							3

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

Fig.2. GEAR HOUSING



(A)=3YM30AE
(B)=
(C)=

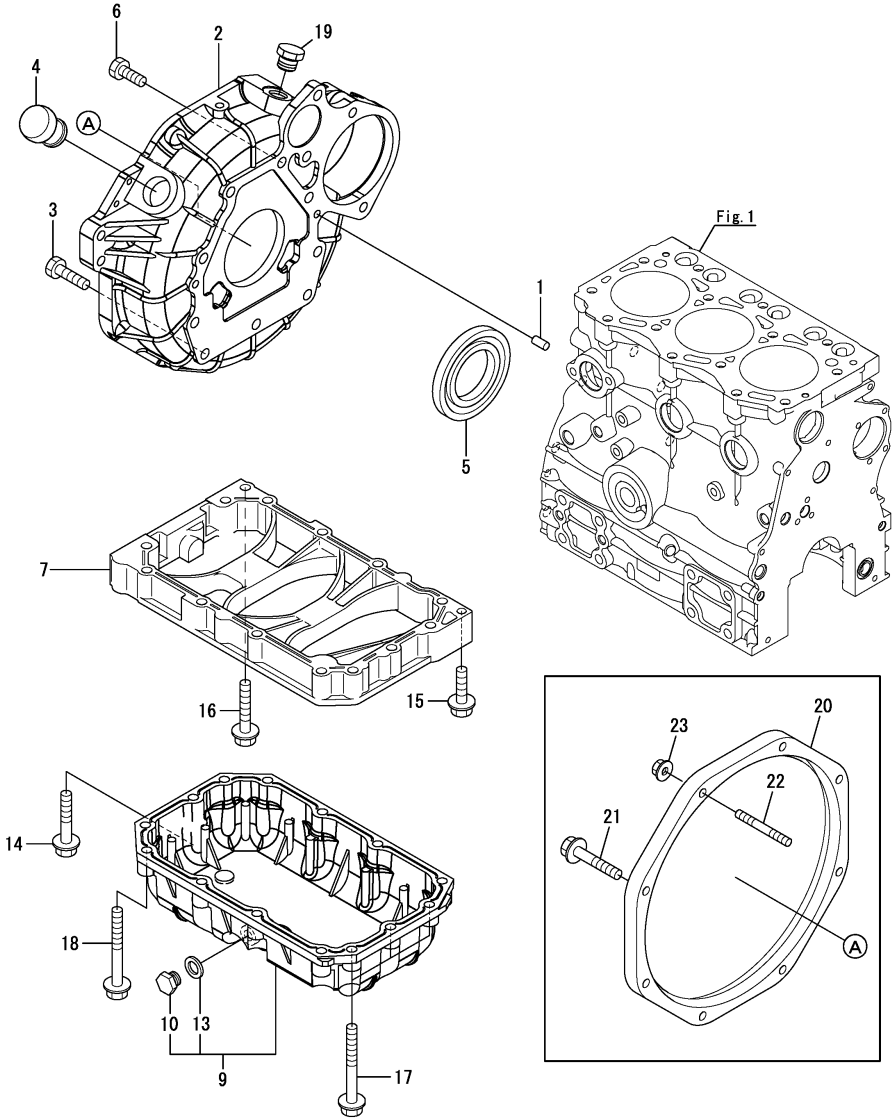
(D)=
(E)=
(F)=

Q'ty

I R

No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	119717-01501	CASE, GEAR	1							
3	1	119717-01570	BOLT, STUD	3							
5	1	719734-01500	COVER ASSY,GEAR CASE	1							
6	2	119717-01521	COVER, GEAR CASE	1							
8	3	23876-030000	PLUG, R03	2							
9	2	119717-01800	SEAL, OIL	1							
10	1	119717-32100	COVER ASSY	1							
11	2	119717-32080	COVER, PUMP	1							
12	2	129900-32130	VALVE, RELIEF	1							
13	2	129001-32320	SPRING	1							
14	2	129001-32330	PLUG	1							
15	1	119717-32110	ROTOR, INNER	1							
16	1	119717-32120	ROTOR, OUTER	1							
17	1	119802-32130	SCREW, M6X16	8							
18	1	119717-01750	COVER, PUMP	1							
19	1	119660-01911	PIPE, DOWEL 6X17	4							
20	1	119624-32040	O-RING, P12.0	1							
21	1	119717-32050	O-RING, P17.0	3							
22	1	121850-51960	O-RING	1							
23	1	26106-060122	BOLT, M6X 12 PLATED	1							
24	1	26106-060162	BOLT, M6X 16 PLATED	4							
25	1	26106-060402	BOLT, M6X 40 PLATED	4							
26	1	26106-060402	BOLT, M6X 40 PLATED	3							
27	1	26106-060602	BOLT, M6X 60 PLATED	7							
28	1	26106-060652	BOLT, M6X 65 PLATED	2							
29	1	26306-080002	NUT, M8	3							
30	1	124160-01751	CAP, FILLER	1							
31	1	24311-000320	O-RING, 1AP32.0	1							

Fig.3. FLYWHEEL HOUSING & LUB. OIL SUMP

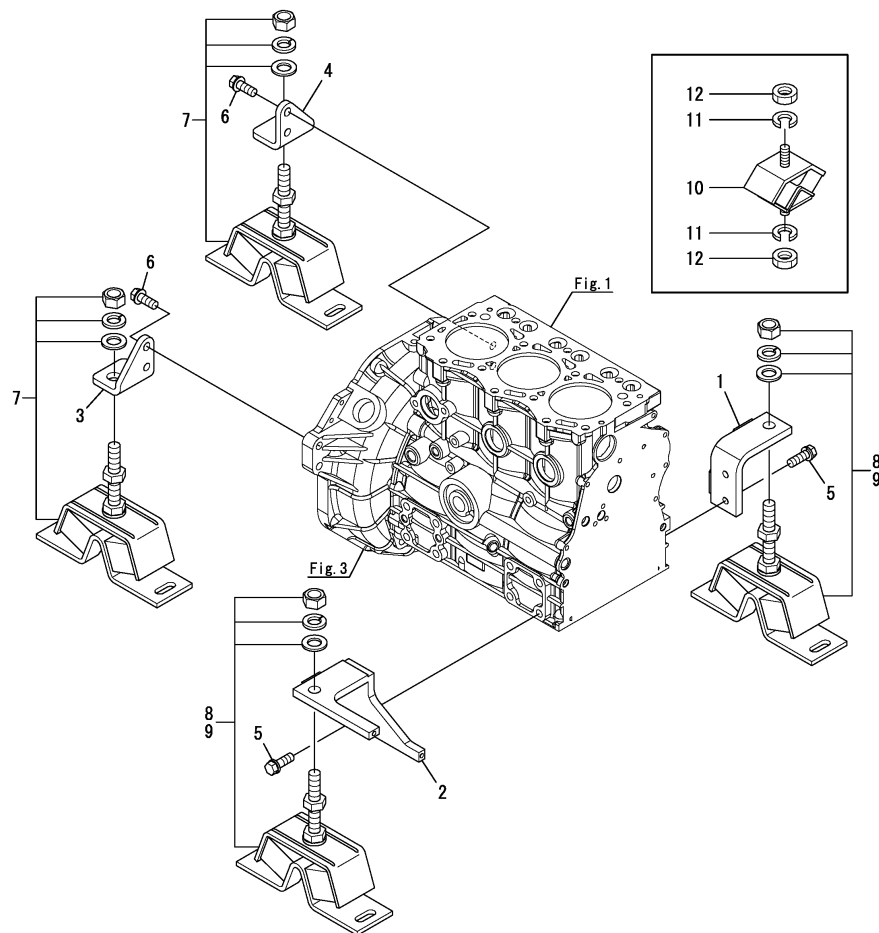


(A)=3YM30AE
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129100-01580	PIN, 8X16	2							
2	1	128990-01650	HOUSING, FLYWHEEL	1							
3	1	26206-100302	BOLT, M10X 30 PLATED	3							
4	1	119620-01750	CAP	1							
5	1	124085-02220	SEAL, OIL	1							
6	1	26206-100252	BOLT, M10X 25 PLATED	8							
7	1	119717-01720	SPACER, OIL SUMP	1							
9	1	128990-01750	SUMP ASSY, OIL	1							
10	2	121450-42450	PLUG, M16	1							
13	2	22190-160002	WASHER, SEAL 16	1							
14	1	26106-080452	BOLT, M8X 45 PLATED	1							
15	1	26106-080302	BOLT, M8X 30 PLATED	1							
16	1	26106-080452	BOLT, M8X 45 PLATED	1							
17	1	26106-080702	BOLT, M8X 70 PLATED	3							
18	1	26106-080702	BOLT, M8X 70 PLATED	10							
19	1	23887-180002	PLUG, 18	1							
20	1	128990-81150	SPACER, CLUTCH	1							1
21	1	26106-080452	BOLT, M8X 45 PLATED	5							1
22	1	26216-080452	STUD, M8X 45	3							1
23	1	26366-080002	NUT, M8	3							1

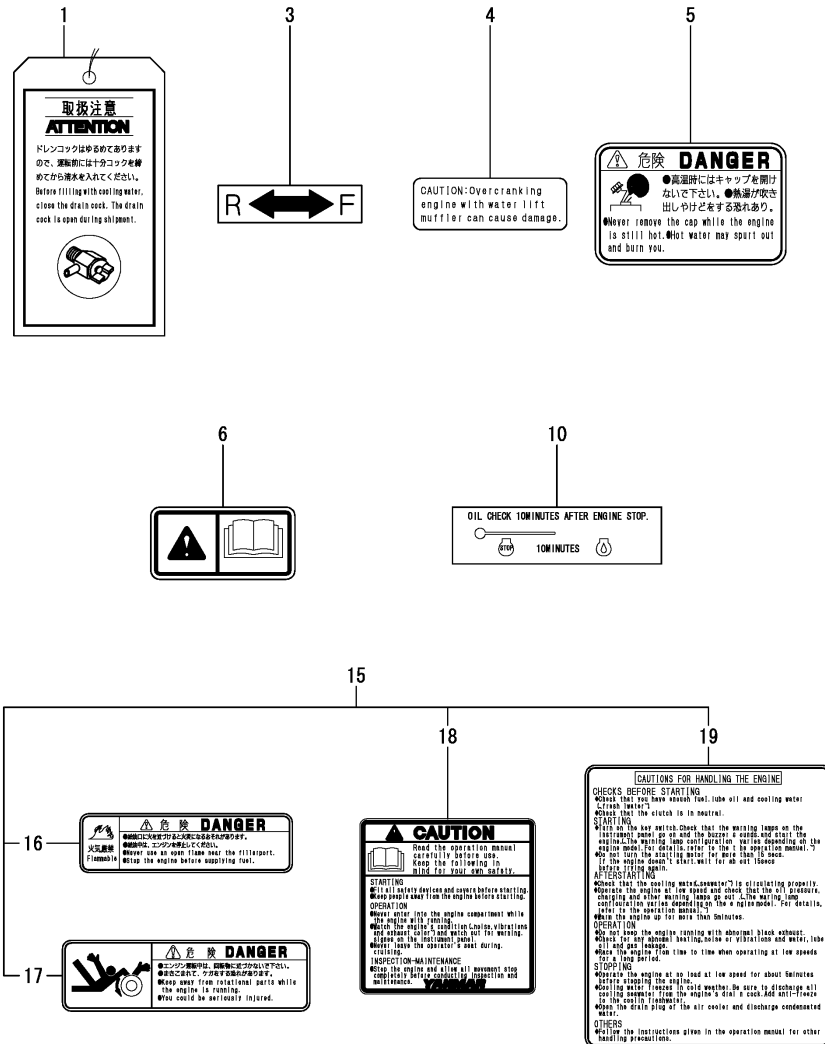
Remarks
(1)For SD20.



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128990-08110	FOOT	1							
2	1	128995-08110	FOOT, ENGINE FRONT	1							
3	1	128377-08120	FOOT	1							
4	1	128377-08130	FOOT	1							
5	1	26013-100302	BOLT, M10X 30	4							
6	1	26106-100252	BOLT, M10X 25 PLATED	4							
7	1	128377-08341	MOUNTING, FLEXIBLE	2							1
8	1	128377-08351	MOUNTING, FLEXIBLE	2							1
9	1	128377-08351	MOUNTING, FLEXIBLE	2							2
10	1	196420-02310	ABSORBER, SHOCK 230	1							2
11	1	22217-120000	WASHER, SPRING 12	2							2
12	1	26716-120002	NUT, M12	2							2

Remarks
(1)For KM2P-1.
(2)For SD20.

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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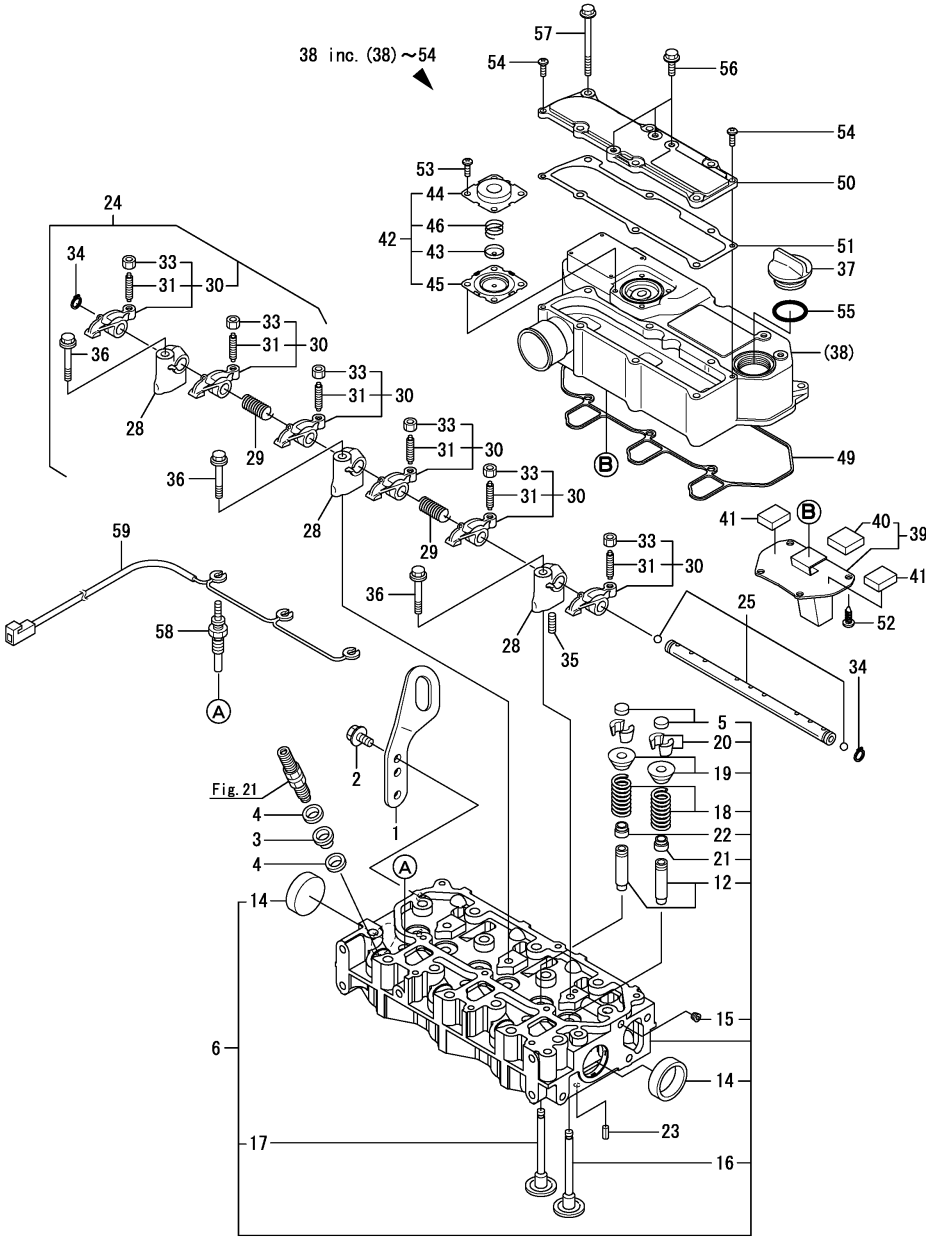


No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	1	123682-07852	LABEL, CAUTION	1							
3	1	177088-02430	LABEL	1							
4	1	128377-07150	LABEL, CAUTION	1							
5	1	128990-07270	LABEL, PRESSURE CAP	1							
6	1	196630-12980	LABEL, CAUTION	1							
10	1	128990-34900	LABEL,OIL CHECK	1							
15	1	128296-07190	LABEL,LOOSE PARTS	1							
16	2	128296-07400	LABEL, DANGER	2							
17	2	128296-07420	LABEL, DANGER	1							
18	2	128296-07450	LABEL, DANGER	1							
19	2	128296-07460	LABEL, DANGER	1							

Fig.6. CYLINDER HEAD & BONNET

(A)=3YM30AE
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128990-07910	LIFTER	1							
2	1	26106-080142	BOLT, M8X 14 PLATED	2							
3	1	129901-11450	PROTECTOR, NOZZLE	3							
4	1	119600-11460	GASKET, NOZZLE	6							
5	1	105010-11490	CAP, VALVE	6							
6	1	119E10-11750	HEAD ASSY, CYLINDER	1							
12	2	119717-11800	GUIDE, VALVE	6							1
14	2	119285-11990	PLUG, 35	2							
15	2	23876-005000	PLUG, R005	1							
16	2	119E10-11100	VALVE, SUCTION	3							
17	2	119E10-11110	VALVE, EXHAUST	3							
18	2	119717-11131	SPRING, VALVE	6							
19	2	129508-11180	RETAINER, SPRING	6							
20	2	119717-11190	COTTER	12							
21	2	119717-11340	SEAL, VALVE STEM	3							
22	2	119717-11350	SEAL, VALVE STEM	3							
23	1	22351-060012	PIN, SPRING 6.0X12	2							
24	1	119717-11200	SUPPORT ASSY, ARM	1							
25	2	119717-11240	SHAFT ASSY, ROCKER	1							
28	2	119717-11260	SUPPORT, ROCKER ARM	3							
29	2	119620-11280	SPRING	2							
30	2	119717-11650	ARM, ROCKER	6							
31	3	129150-11230	SCREW, VALVE ADJUST	6							
33	3	129150-11750	NUT, M8	6							
34	2	22242-000120	RING, 12	2							
35	2	26979-050162	SCREW, M5X16	1							
36	1	26106-080402	BOLT, M8X 40 PLATED	3							
37	1	124160-01751	COVER, FILLER	1							
38	1	119717-11381	BONNET ASSY, HEAD	1							
39	2	119717-03031	PLATE	1							
40	3	119717-03070	BAFFLE, BREATHER	1							
41	2	119717-03070	BAFFLE, BREATHER	2							
42	2	119802-03100	DIAPHRAGM ASSY	1							
43	3	119802-03110	PLATE	1							
44	3	119802-03121	COVER, DIAPHRAGM	1							
45	3	119802-03131	DIAPHRAGM	1							
46	3	119802-03141	SPRING, DIAPHRAGM	1							
49	2	119718-11310	GASKET, BONNET	1							
50	2	119717-11320	COVER, BONNET	1							
51	2	119717-11331	GASKET	1							
52	2	22857-500100	SCREW, 5X10	4							
53	2	22857-500100	SCREW, 5X10	4							
54	2	22857-500160	SCREW, 5X16	2							
55	1	24311-000320	O-RING, 1AP32.0	1							
56	1	26106-060202	BOLT, M6X 20 PLATED	3							
57	1	26106-060752	BOLT, M6X 75 PLATED	6							
58	1	119717-77801	PLUG, GLOW	3							
59	1	128990-77820	CONNECTOR, GLOW PLUG	1							

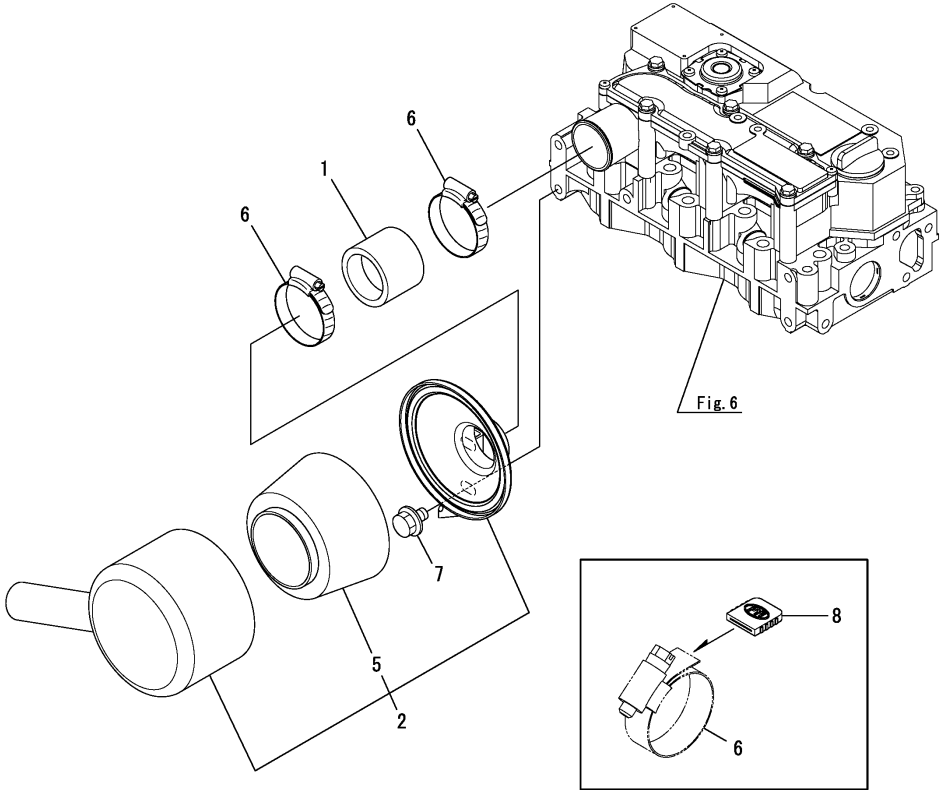
Remarks
(1)Spare parts.

Fig.7. AIR INTAKE SILENCER

(A)=3YM30AE
(B)=
(C)=

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

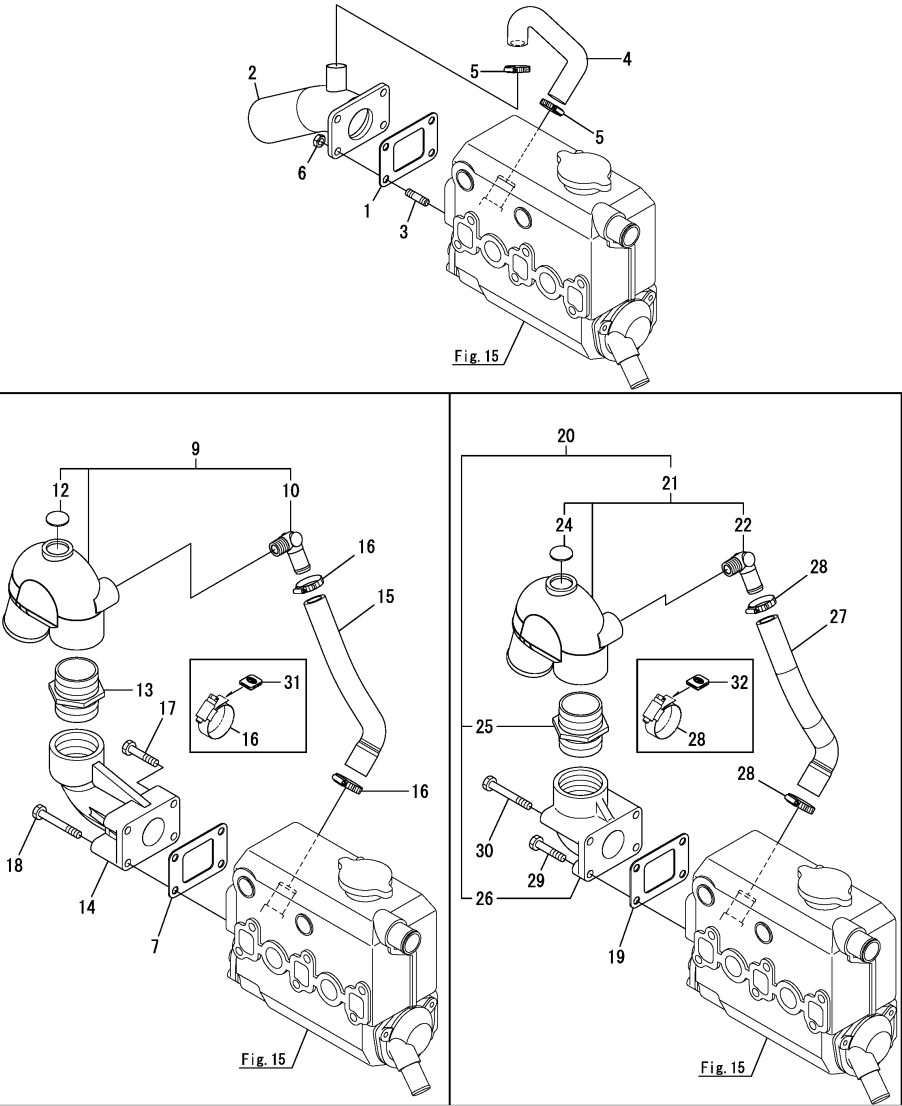
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128990-12210	JOINT, SILENCER	1							
2	1	128990-12500	SILENCER ASSY,INTAKE	1							
5	2	128270-12540	ELEMENT, AIR CLEANER	1							
6	1	23000-060000	CLAMP, 60	2							
7	1	26106-080122	BOLT, M8X 12 PLATED	2							
(A=*2017.01)											
8	1	129677-49950	PROTECTOR,HOSE CLAMP	2						W	
(A=*2017.01)											



(A)=3YM30AE
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128370-13201	GASKET, ELBOW A	1							
2	1	128890-13530	ELBOW, MIXING	1							
3	1	129670-13600	STUD, M8X20	4							
4	1	128990-49021	PIPE, SEA WATER B	1							
5	1	23000-028000	CLAMP, 28	2							
6	1	26703-080002	NUT, M8	4							
7	1	128370-13201	GASKET, ELBOW A	1							1
9	1	124070-13520	ELBOW ASSY, MIXING	1							1
9A	1	128890-13590	ELBOW ASSY,U-MIXING	1						W	3
(A=*2018.10.)											
10	2	124070-13300	ELBOW, PT3/8	1							1
12	2	27233-250000	PLUG, 25	1							1
13	1	104214-13580	JOINT, MIXING ELBOW	1							1
14	1	128370-13610	ELBOW, EXHAUST PIPE	1							1
15	1	128990-49040	PIPE, WATER B	1							1
16	1	23000-028000	CLAMP, 28	2							1
17	1	26203-080402	BOLT, M8X 40 PLATED	2							1
17-1	1	26203-080452	BOLT, M8X 45 PLATED	2						N	1
(A=*2018.10.)											
18	1	26203-080602	BOLT, M8X 60 PLATED	2							1
18-1	1	26203-080652	BOLT, M8X 65 PLATED	2						N	1
(A=*2018.10.)											
19	1	128370-13201	GASKET, ELBOW A	1							2
20	1	128990-13510	ELBOW ASSY	1							2
21	2	128990-13520	ELBOW ASSY, MIXING	1							2
22	3	124070-13300	ELBOW, PT3/8	1							2
24	3	27233-250000	PLUG, 25	1							2
25	2	104214-13580	JOINT, MIXING ELBOW	1							2
26	2	128990-13610	BEND, EXHAUST	1							2
27	1	128990-49090	PIPE, SEA WATER B	1							2
28	1	23000-025000	CLAMP, 25	2							2
29	1	26203-080302	BOLT, M8X 30 PLATED	2							2
30	1	26203-080802	BOLT, M8X 80 PLATED	2							2
31	1	129677-49950	PROTECTOR,HOSE CLAMP	2						W	1
(A=*2017.01)											
32	1	129677-49950	PROTECTOR,HOSE CLAMP	2						W	2
(A=*2017.01)											



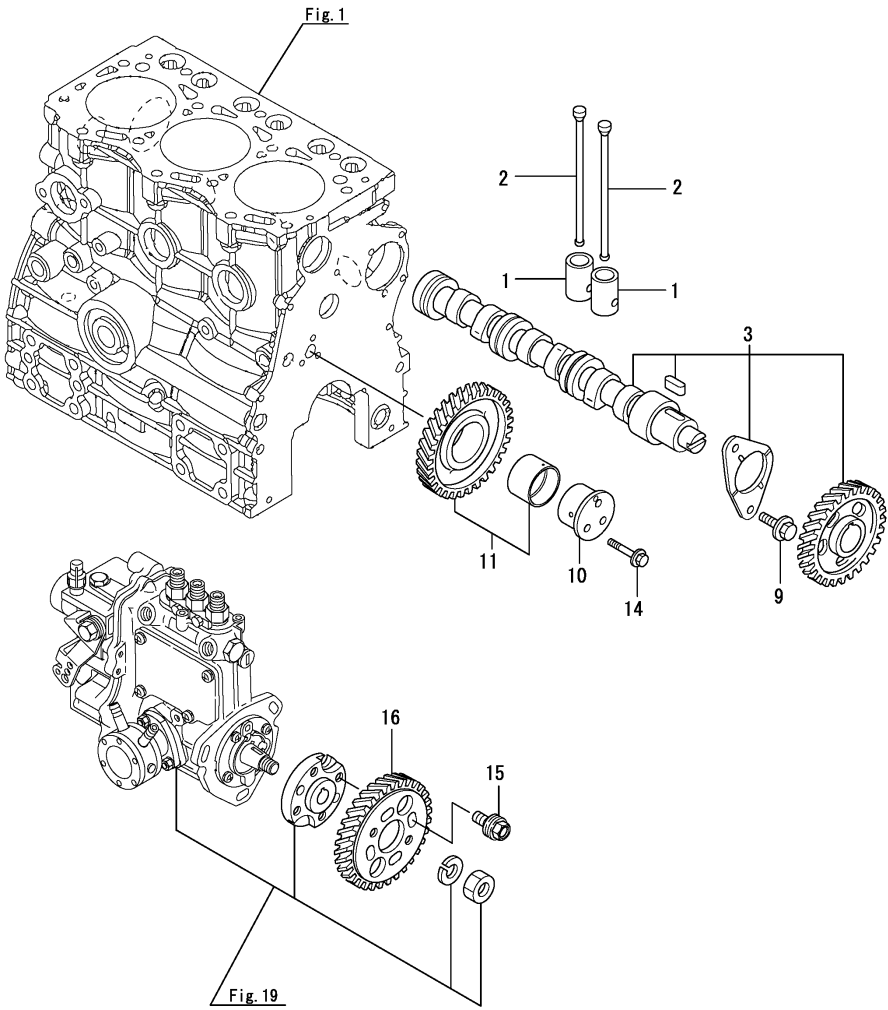
Remarks

(1)Optional parts : Mixing elbow U-type specification.

(2)Optional parts : Mixing elbow U-type short bend specification.

(3)Starter side.

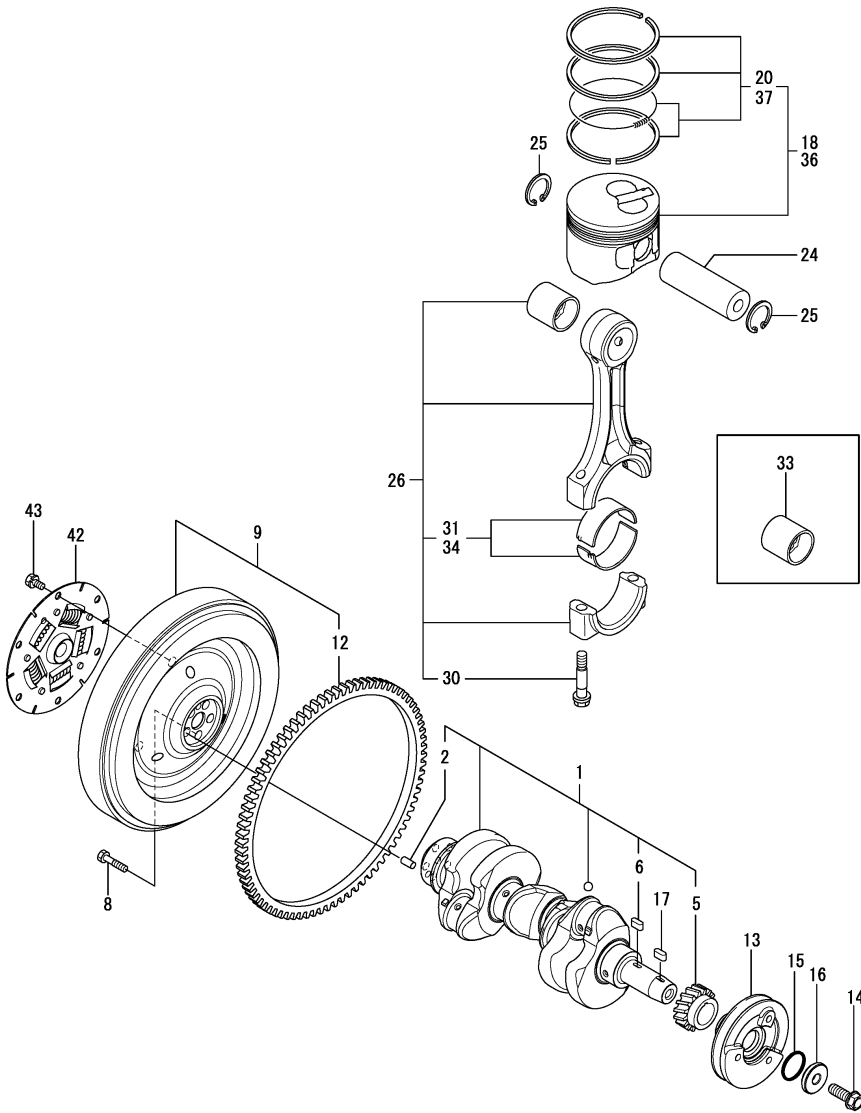
Fig.9. CAMSHAFT & DRIVING GEAR



OCF50-M00070 Fig.9

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119620-14200	TAPPET	6							
2	1	119717-14400	ROD, PUSH	6							
3	1	119717-14581	CAMSHAFT ASSY	1							
9	1	26106-060122	BOLT, M6X 12 PLATED	2							
10	1	119717-25050	SHAFT, IDLE	1							
11	1	119717-25101	GEAR ASSY, IDLE	1							
14	1	26106-060352	BOLT, M6X 35 PLATED	3							
15	1	129150-25301	BOLT	4							
16	1	119717-25930	GEAR, PUMP	1							

Fig.10. CRANKSHAFT & PISTON



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

(A)=3YM30AE
(B)=
(C)=

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

OCF50-M00070 Fig.10

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119E10-21700	CRANKSHAFT ASSY	1							
2	2	129100-01580	PIN, 8X16	1							
5	2	119717-21200	GEAR, CRANKSHAFT	1							
6	2	22512-040120	KEY, 4X 12	1							
8	1	121111-21501	BOLT, FLYWHEEL	5							
9	1	128995-21590	FLYWHEEL ASSY	1							
12	2	124950-21600	GEAR, RING	1							
13	1	128995-21660	PULLEY,CRANK	1							
14	1	119621-21681	BOLT, FLANGE 12X1.25	1							
15	1	119C10-21930	PACKING, WASHER	1							
16	1	119C10-21940	WASHER, V-PULLEY	1							
17	1	22512-040120	KEY, 4X 12	1							
18	1	119E10-22080	PISTON ASSY	3							
20	2	119E10-22500	RING ASSY	3							
24	1	119E10-22300	PIN, PISTON	3							
25	1	22252-000220	RING, 22	6							
26	1	119E10-23000	ROD ASSY, CONNECTING	3							
30	2	119717-23200	BOLT, CONNECTING ROD	6							
31	2	119717-23601	BEARING, CRANK PIN	3							
33	1	119717-23910	BEARING, PISTON PIN	3							1
34	1	119717-23611	METAL ASSY, 0.25	3							2
36	1	119E10-22900	PISTON ASSY, 0.25 OS	3							3
37	2	119E10-22550	RING ASSY, 0.25	3							3
42	1	177070-03501	DISK, DAMPER D170	1							
43	1	26013-080142	BOLT, M8X 14	6							

N:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xrightarrow[\text{Yes}]{\text{No}}$ New, S:Old $\xrightarrow[\text{No}]{\text{Yes}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
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(A)=3YM30AE
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128990-34850	DIPSTICK, OIL	1							
2	1	128990-34860	GUIDE ASSY, DIPSTICK	1							
4	1	22190-160002	WASHER, SEAL 16	2							
5	1	23857-100000	BOLT, JOINT 10	1							
6	1	26366-100002	NUT, M10	1							
7	1	124976-34850	CAP	1							

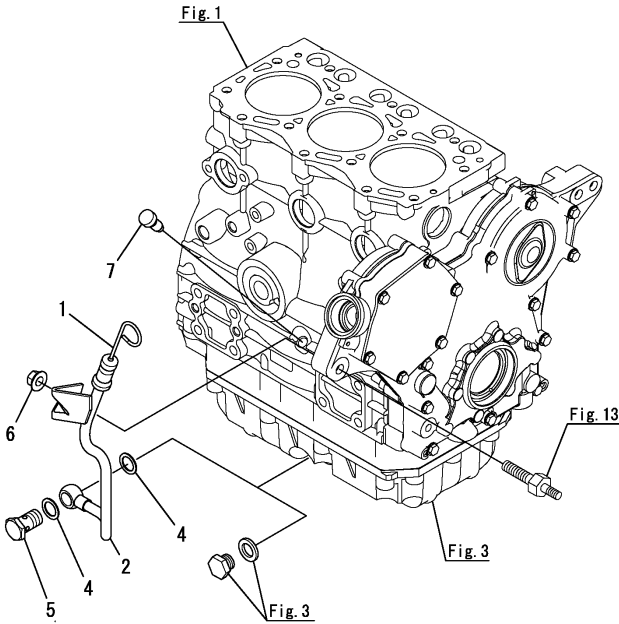
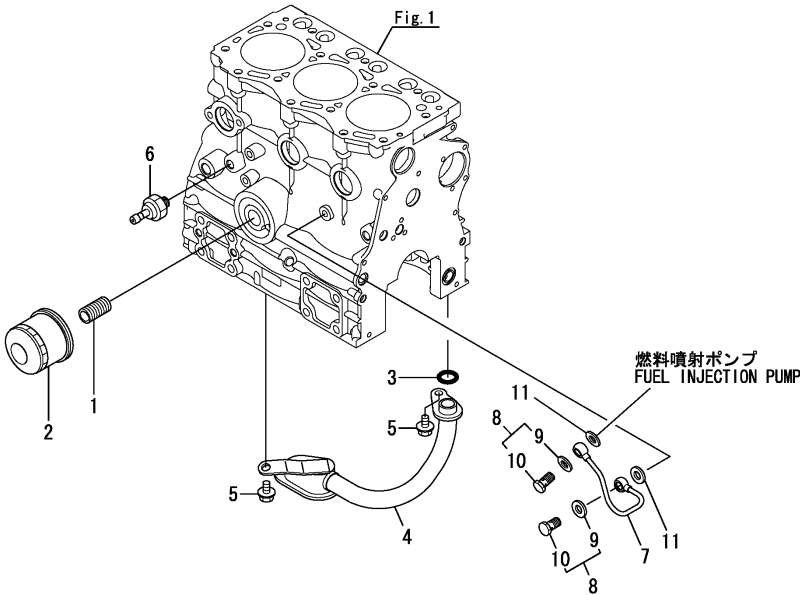


Fig.12. LUB. OIL SYSTEM

(A)=3YM30AE
(B)=
(C)=

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

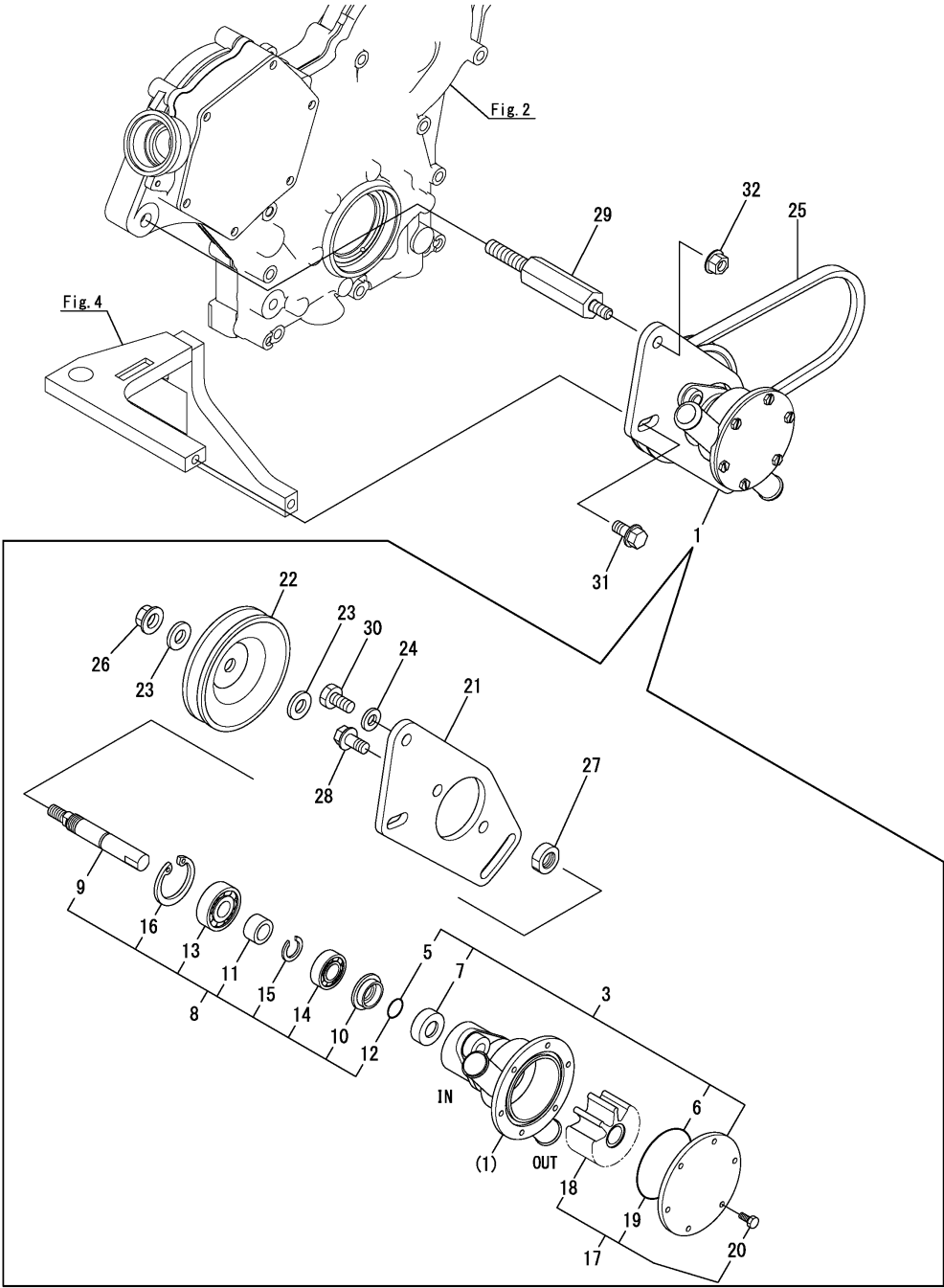


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119717-35140	BOLT	1							
2	1	119305-35160	FILTER ASSY, D68XL65	1							
3	1	119717-32060	O-RING, P15.0	1							
4	1	128990-35080	PIPE ASSY, OIL INLET	1							
5	1	26106-060102	BOLT, M6X 10 PLATED	2							
6	1	114250-39450	SWITCH, 0.5KG	1							
7	1	119717-39210	PIPE, OIL	1							
8	1	129005-59830	BOLT ASSY, JOINT M8	2							
9	2	22190-080002	WASHER, SEAL 8	2							
10	2	23857-030000	BOLT, JOINT 3	2							
11	1	22190-080002	WASHER, SEAL 8	2							

Fig.13. COOLING SEA WATER PUMP

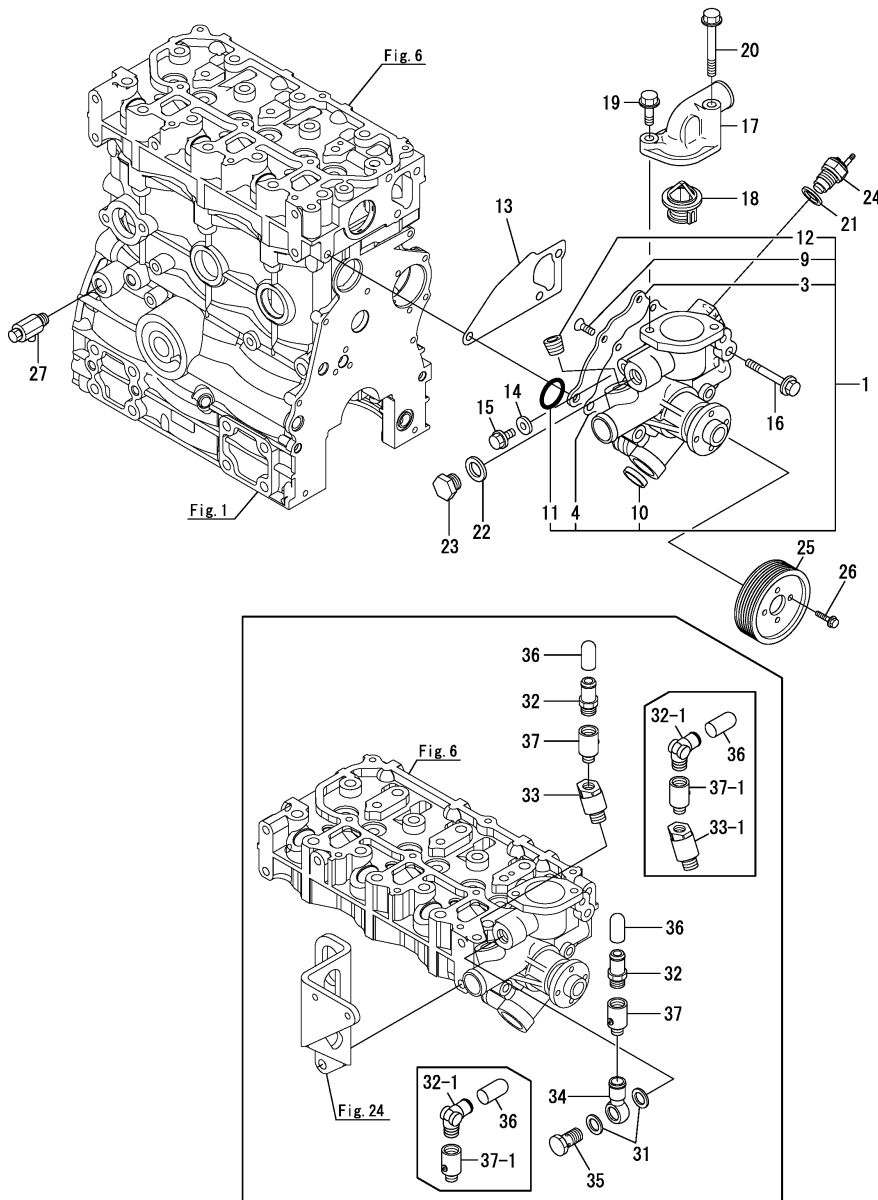
(A)=3YM30AE
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128995-42500	PUMP ASSY, WATER	1							
3	2	128990-42550	WEAR KIT	1							W
(A=*2017.01)											
5	3	X02173432	O-RING	1							
6	3	X02173476	O-RING	1							
7	3	X02233010	SEAL, LIP	1							
8	2	128990-42560	SHAFT KIT	1							W
(A=*2017.01)											
9	3	X0146541	SHAFT, WATER PUMP	1							
10	3	X0145050	PLATE	1							
11	3	X0146542	SPACER	1							
12	3	X02173432	O-RING	1							
13	3	X03431760	BEARING, BALL	1							
14	3	X03431748	BEARING, BALL	1							
15	3	X00370012	RING, RETAINING	1							
16	3	X00371732	RING, RETAINING	1							
17	2	128990-42570	IMPELLER KIT	1							W
(A=*2017.01)											
18	3	128990-42200	IMPELLER, PUMP D50.8	1							
19	3	X02173476	O-RING	1							
20	2	128990-42520	SCREW	6							
21	2	128995-42150	BRACKET, PUMP	1							
22	2	124070-42400	V-PULLEY, PUMP	1							
23	2	X014678901	WASHER	2							
24	2	X00353309	WASHER	2							
25	1	25111-002100	V-BELT, M21	1							
25-1	1	128995-42450	V-BELT, M21	1							R
(A=*2018.12)											
26	2	X00190050	NUT, LOCK	1							
27	2	X00183200	NUT	1							
28	2	26106-080162	BOLT, M8X 16 PLATED	2							
29	1	128995-42170	BOLT, PUMP SPACER	1							
30	2	X00141916	SCREW	2							
31	1	26106-080162	BOLT, M8X 16 PLATED	1							
32	1	26366-080002	NUT, M8	1							

Fig.14. COOLING FRESH WATER PUMP



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119E10-42000	PUMP ASSY, WATER	1							
3	2	119717-42041	COVER, WATER PUMP	1							
4	2	119717-42031	GASKET, WATER PUMP	1							
9	2	26577-060122	SCREW, M6X12	4							
10	2	27241-250000	PLUG, 25	1							
11	2	119C10-42320	O-RING, 2028	1							
12	2	129916-49740	PLUG, R3/8	1							
13	1	119717-42020	GASKET, WATER PUMP	1							
14	1	23414-080000	GASKET, 8X1.0	1							
15	1	26106-080122	BOLT, M8X 12 PLATED	1							
16	1	26106-080502	BOLT, M8X 50 PLATED	3							
17	1	124101-49530	COVER, THERMOSTAT	1							
18	1	128990-49800	THERMOSTAT, 71C	1							
19	1	26106-080252	BOLT, M8X 25 PLATED	1							
20	1	26106-080652	BOLT, M8X 65 PLATED	1							
21	1	124465-44950	GASKET, 16	1							
22	1	124465-44950	GASKET, 16	1							
23	1	121450-42450	PLUG, M16	1							
24	1	128990-44500	SWITCH, TEMPERATURE	1							
25	1	128990-42350	PULLEY, PUMP 6PK	1							
26	1	26106-060122	BOLT, M6X 12 PLATED	4							
27	1	119620-49290	COCK ASSY, 1/4	1							
31	1	124465-44950	GASKET, 16	2							1
32	1	128990-49320	JOINT, 3/8	2							1
32-1	1	129051-49310	ELBOW, PT3/8	2							N
(A="2017.02)											
33	1	128990-49350	JOINT, 3/8X1/4	1							1
33-1	1	128990-49351	JOINT,3/8X1/4 RETURN	1							N
(A="2017.02)											
34	1	128990-49360	JOINT, OUTLET RP1/4	1							1
35	1	128990-49370	BOLT, PIPE JOINT	1							1
36	1	128990-49400	CAP, WATER	2							1
37	1	128990-49390	COCK ASSY,R1/4XRP3/8	2							1
37-1	1	128990-49391	COCK ASSY,R1/4XG3/8	2							R
(A="2017.02)											

(1)Optional parts : Heater kit, with cook assy.

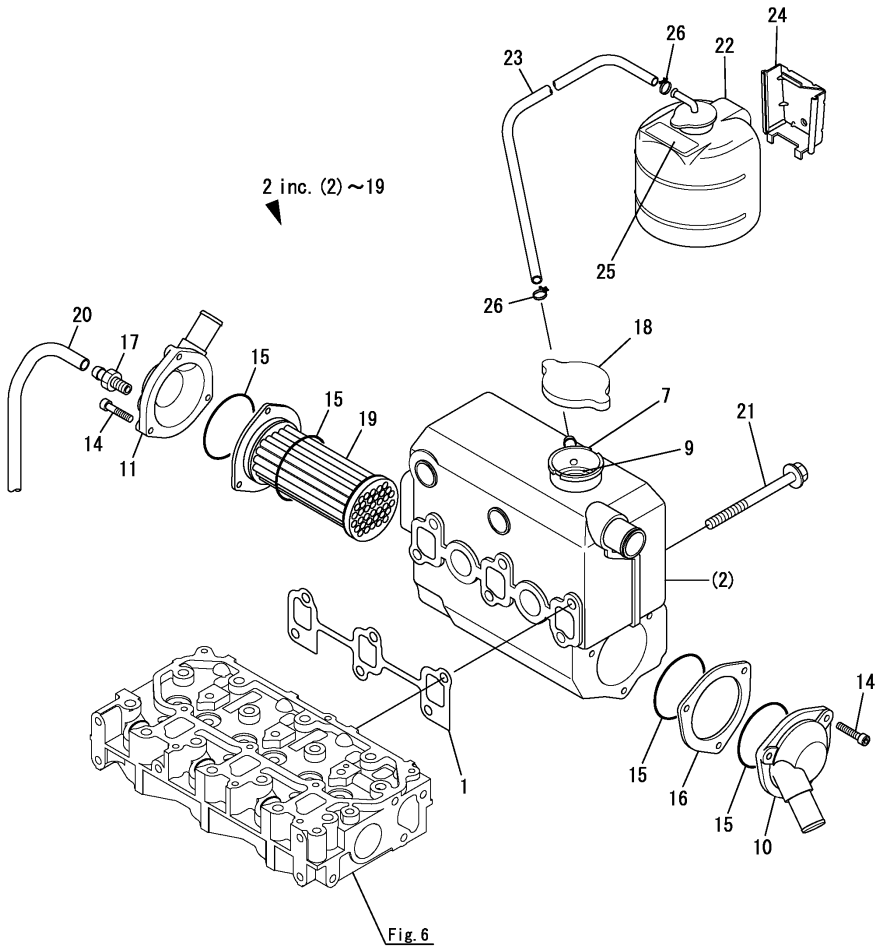
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Fig.15. COOLING FRESH WATER COOLER

(A)=3YM30AE
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119717-13110	GASKET	1							
2	1	128990-44901	COOLER ASSY, WATER	1							
7	3	129673-44110	FILLER	1							
9	3	129673-44150	TUBE, D28.5X1.5 LG6	1							
10	2	128990-44071	BONNET	1							
11	2	128990-44081	BONNET ASSY	1							
14	2	128990-44090	SCREW, M6X30	6							
15	2	128990-44100	O-RING, D65.6X3.53	4							
16	2	128990-44110	SPACER	1							
17	2	128990-44120	PLUG, DRAIN	1							
18	2	129673-44131	CAP	1							
19	2	128990-44401	ELEMENT	1							
20	1	23061-070300	PIPE, 7X 300	1							
21	1	26106-081152	BOLT, M8X115 PLATED	6							
22	1	128397-44500	TANK ASSY, SUB	1							
23	1	129270-44501	PIPE	1							
24	1	128397-44510	BRACKET	1							
25	1	129670-44570	LABEL, SUB-TANK	1							
26	1	23010-013000	CLAMP 13	2							

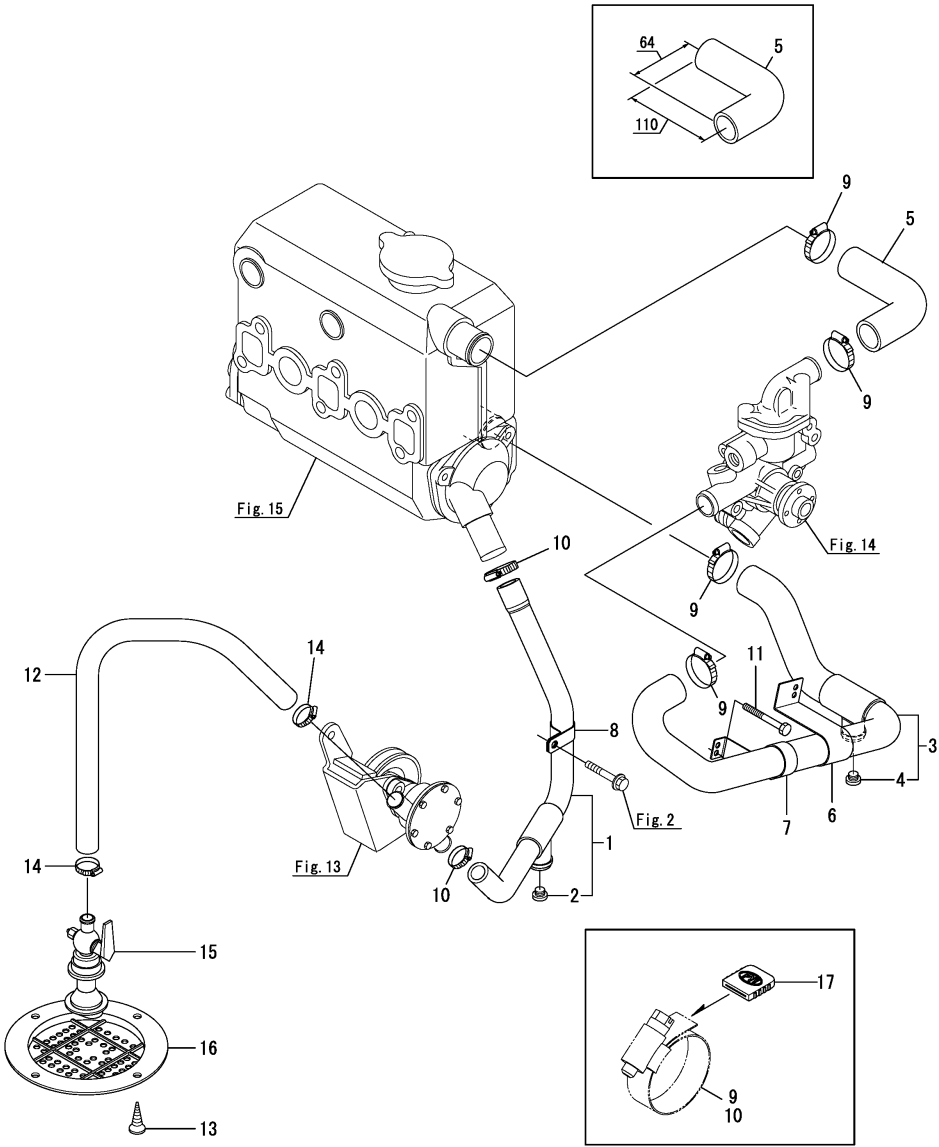


OCF50-M00070 3YM30AE
Fig.16. COOLING PIPE

(A)=3YM30AE
(B)=
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128990-49011	PIPE, SEA WATER A	1							
2	2	128990-49110	PLUG ASSY, G1/8	1							
3	1	128990-49050	PIPE, FRESH WATER A	1							
4	2	128990-49110	PLUG ASSY, G1/8	1							
5	1	128990-49070	PIPE, FRESH WATER B	1							
6	1	128990-49161	RETAINER, HOSE	1							
7	1	128990-49170	RETAINER, HOSE	1							
8	1	121575-49310	RETAINER, PIPE	1							
9	1	129670-49500	CLIP, HOSE 38	4							
10	1	23000-028000	CLAMP, 28	2							
11	1	26116-060652	BOLT, M6X 65 PLATED	1							
12	1	124223-49050	PIPE, SEA WATER A	1							1
13	1	22724-800380	SCREW, 8.0X38	4							1
14	1	23000-025000	CLAMP, 25	2							1
15	1	43662-015021	COCK, KINGSTON 15A	1							1
16	1	43666-020951	COVER, STRAINER	1							1
17	1	129677-49950	PROTECTOR,HOSE CLAMP	6							W
(A=*2017.01)											



Remarks
(1)Optional parts.

Fig.17. BILGE PUMP(OPTIONAL)

(A)=3YM30AE
(B)=
(C)=

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

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

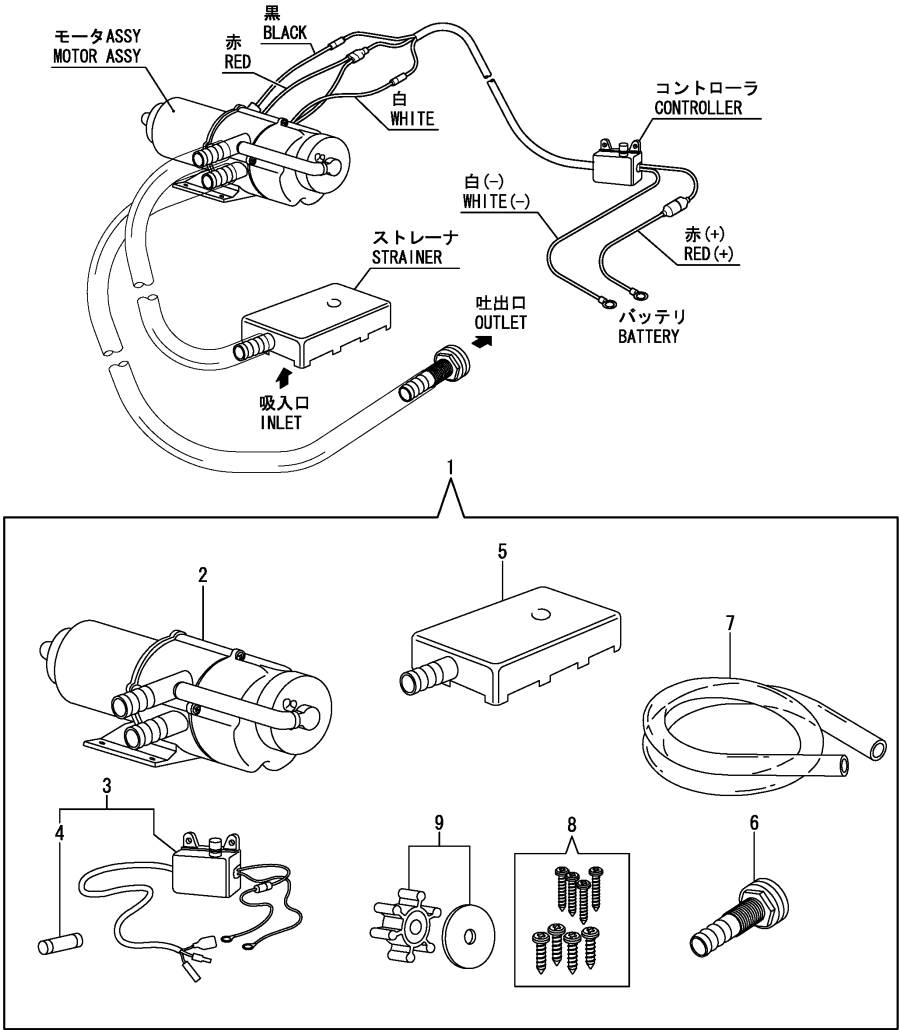
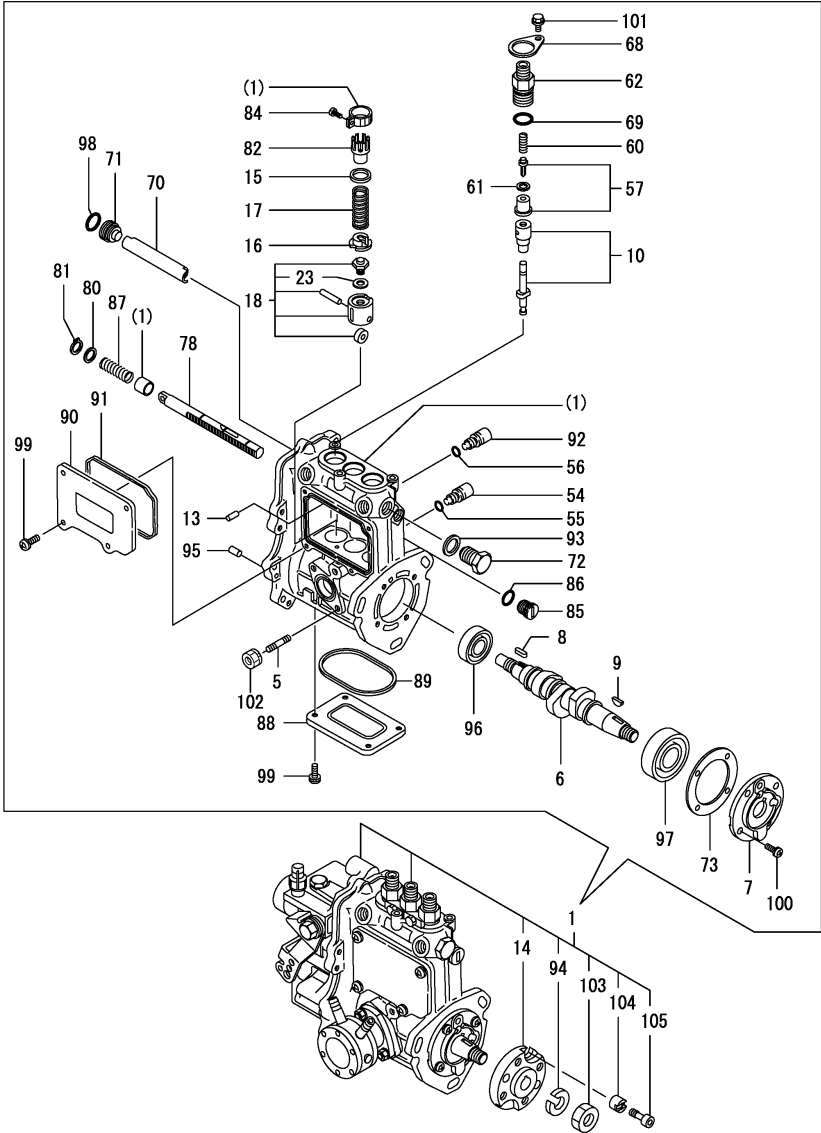


Fig.18. FUEL INJECTION PUMP

(A)=3YM30AE
(B)=
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	728995-51300	FIE ASSY	1							1
5	2	129155-51020	STUD	2							
6	2	119C00-51030	SHAFT, CAM	1							
7	2	119717-51060	SUPPORT, CAMSHAFT	1							
8	2	119717-51070	KEY	1							
9	2	122710-51090	KEY	1							
10	2	119740-51100	PLUNGER ASSY	3							
13	2	129155-51140	PIN	3							
14	2	119717-51150	FLANGE	1							
15	2	158600-51170	RETAINER, SPRING	3							
16	2	119717-51570	RETAINER, SPRING	3							
17	2	119717-51190	SPRING, PLUNGER	3							
18	2	119717-51200	TAPPET ASSY	3							
23	3	129155-51600	SHIM SET, ADJUSTING	3							
54	2	158600-51270	STOPPER, TAPPET	3							
55	2	129155-51280	O-RING, S6	3							
56	2	129155-51280	O-RING, S6	1							
57	2	119717-51300	VALVE ASSY, DELIVERY	3							
60	2	119717-51330	SPRING, DELIVERY	3							
61	2	124550-51350	GASKET, DELIVERY	3							
62	2	158600-51442	VALVE ASSY, DELIVERY	3							
68	2	119125-51370	RETAINER	3							
69	2	24316-000150	O-RING, 4DP15.0	3							
70	2	129155-51400	DEFLECTOR	1							
71	2	158600-51410	PLUG, DEFLECTOR	1							
72	2	158600-51420	PLUG, DEFLECTOR	1							
73	2	129155-51450	SHIM SET, ADJUSTING	1							
78	2	119717-51500	RACK, CONTROL	1							
80	2	129155-51530	SPACER	1							
81	2	129155-51540	CIRCLIP	1							
82	2	129155-51550	PINION, CONTROL	3							
84	2	129100-51570	SCREW	3							
85	2	158600-51570	PLUG	1							
86	2	129155-51580	O-RING	1							
87	2	129155-51591	SPRING, RACK	1							
88	2	129155-51701	COVER	1							
89	2	119717-51711	GASKET	1							
90	2	119717-51750	COVER	1							
91	2	119717-51761	GASKET	1							
92	2	158600-51790	STOOPER, RACK	1							
93	2	22190-160002	WASHER, SEAL 16	1							
94	2	22217-120000	WASHER, SPRING 12	1							
95	2	22351-050010	PIN, SPRING 5.0X10	2							
96	2	24101-060034	BEARING, BALL 6003	1							
97	2	24101-063034	BEARING, BALL 6303	1							
98	2	119717-51420	O-RING	1							
99	2	26022-050122	SCREW, M5X12	8							
100	2	119125-51900	BOLT, 6 X 14	4							
101	2	26106-050102	BOLT, M5X 10 PLATED	3							
102	2	119717-51860	NUT, M6	2							
103	2	26716-120002	NUT, M12	1							

Remarks
(1)Governor(Fig.19) & Fuel Feed Pump(Fig.20) is incorporated in this Fuel Injection Pump(No.1).

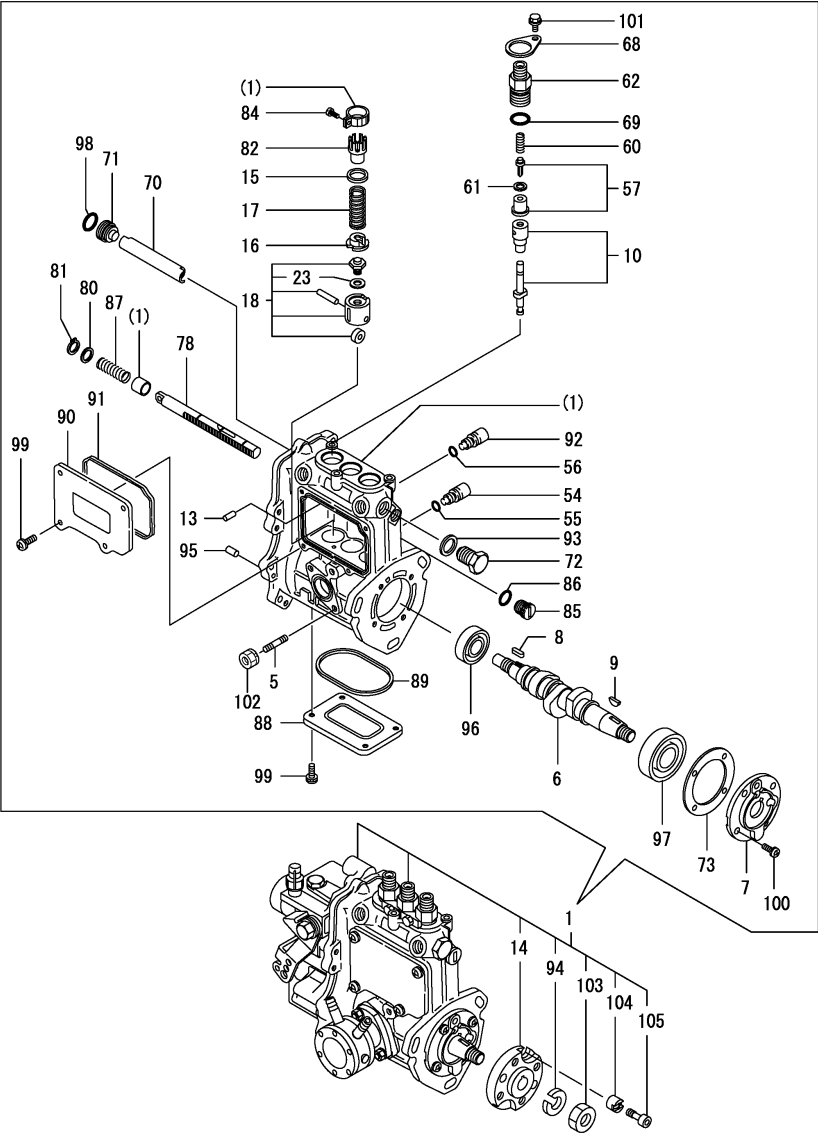
Fig.18. FUEL INJECTION PUMP

OCF50-M00070 Fig.18

(A)=3YM30AE
(B)=
(C)=

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

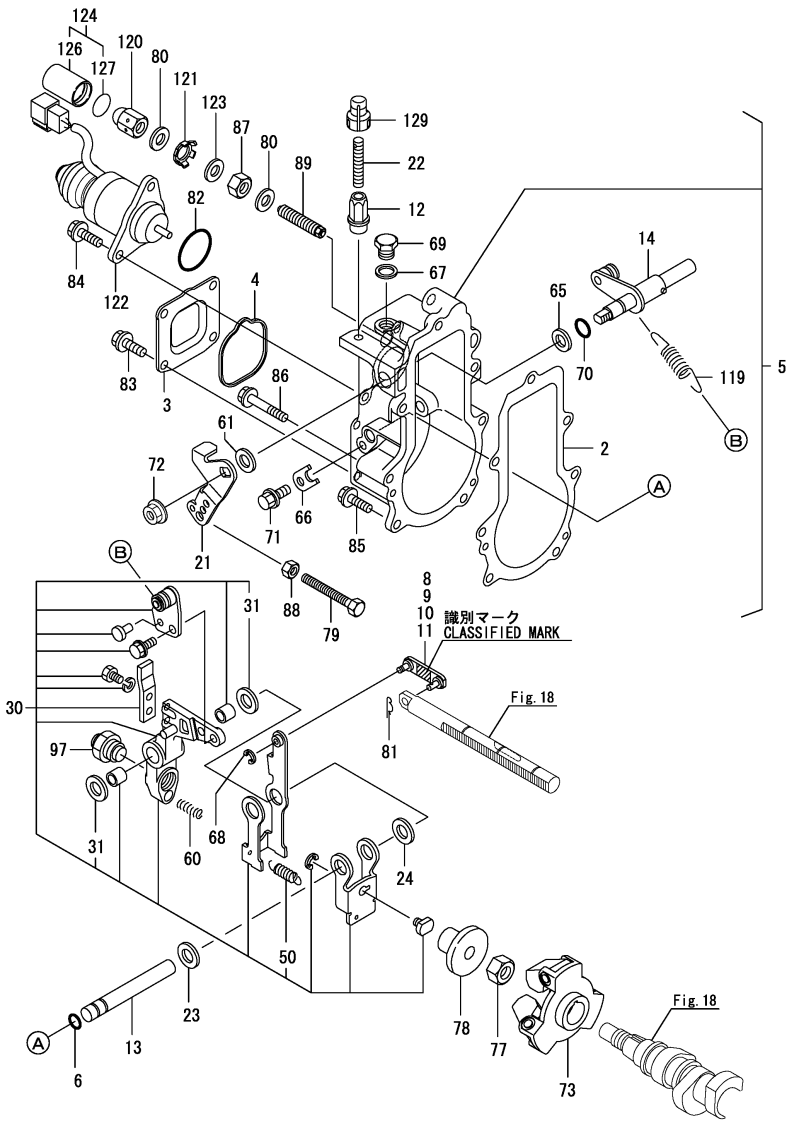
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
104	2	119717-51481	COLLAR, FIC FIX	1							
105	2	119717-51491	BOLT, FIXATION	1							



Remarks
(1)Governor(Fig.19) & Fuel Feed Pump(Fig.20) is incorporated in this Fuel Injection Pump(No.1).

(A)=3YM30AE
(B)=
(C)=

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

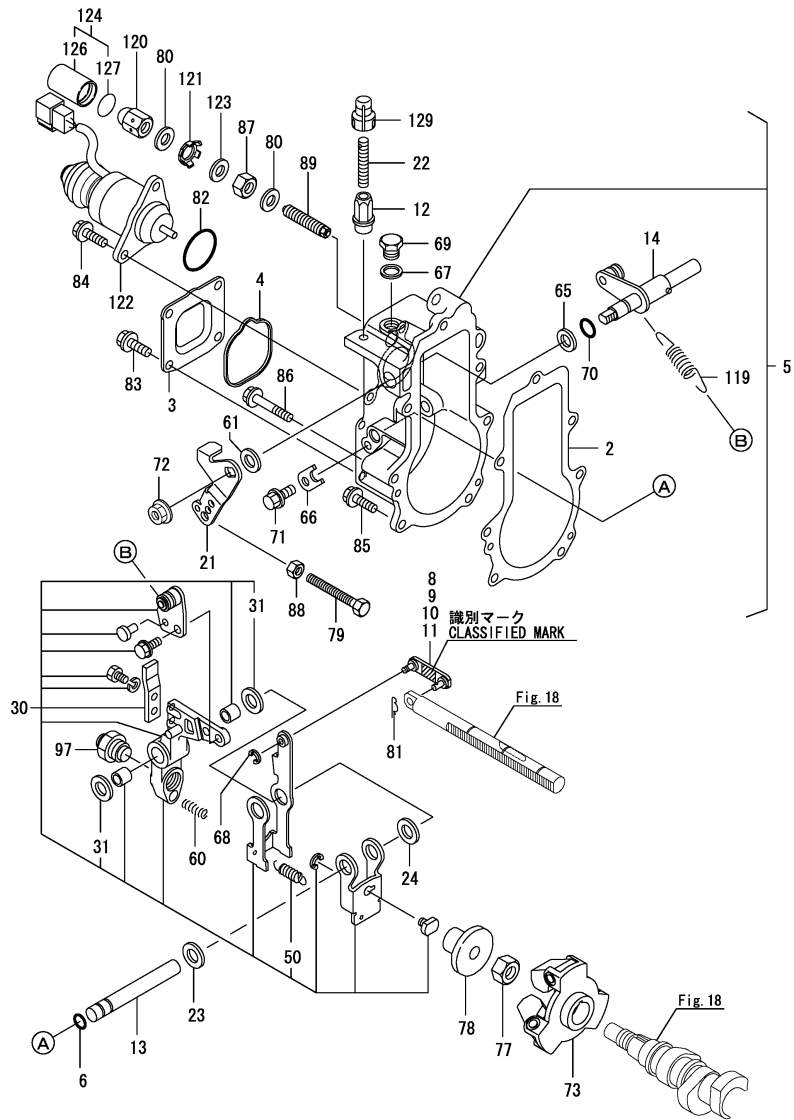


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	2	119717-61050	GASKET	1							
3	2	119717-61060	COVER, GOVERNOR CASE	1							
4	2	119717-61070	GASKET	1							
5	2	119717-61100	CASE ASSY, GOVERNOR	1							
6	3	129155-51280	O-RING, S6	1							
8	3	119717-61120	LINK, MARK :3	1							1
9	3	119717-61130	LINK, MARK 98	1							1
10	3	119717-61140	LINK, MARK 88	1							1
11	3	119717-61150	LINK, MARK 03	1							1
12	3	129209-61370	NUT, M6	1							
13	3	129052-61390	SHAFT	1							
14	3	119717-61400	SHAFT ASSY	1							
21	3	119515-61440	LEVER, CONTROL	1							
22	3	121575-66830	SCREW	1							
23	3	129156-61460	SHIM, T=0.6	1							
24	3	129155-61480	SPACER ASSY	1							
30	3	119717-61500	LEVER ASSY, GOVERNOR	1							
31	4	174307-51700	SHIM SET	2							
50	4	129486-61540	SPRING, SET	1							
60	3	129100-61650	SPRING, CONTROLLER	1							
61	3	158552-61700	SHIM SET	1							
65	3	158552-61710	SHIM, T=1.0	1							
66	3	119660-61901	RETAINER, SHAFT	1							
67	3	22190-100002	WASHER, SEAL 10	1							
68	3	22272-000030	RING, E- 3	1							
69	3	119717-51930	PLUG,M10	1							
70	3	24341-000070	O-RING, 1AS7.0	1							
71	3	26106-060102	BOLT, M6X 10 PLATED	1							
72	3	26366-080002	NUT, M8	1							
73	2	119717-61201	WEIGHT ASSY,GOVERNOR	1							
77	2	129008-61301	NUT	1							
78	2	129155-61341	SLEEVE	1							
79	2	129155-61460	BOLT, IDLE	1							
80	2	22190-120002	WASHER, SEAL 12	2							
81	2	22372-040000	PIN, SNAP 4	1							
82	2	158552-61900	O-RING	1							
83	2	26106-060102	BOLT, M6X 10 PLATED	4							
84	2	26106-060142	BOLT, M6X 14 PLATED	2							
85	2	26106-060202	BOLT, M6X 20 PLATED	4							
86	2	26106-060452	BOLT, M6X 45 PLATED	3							
87	2	129209-61920	NUT, ARB	1							
88	2	26756-060002	NUT, LOCK M6	1							
89	2	158601-61700	LIMITER ASSY, FUEL	1							
97	2	119515-61550	ANGLEICH ASSY	1							
119	2	129573-61700	SPRING, GOVERNOR	1							
(A="2007.04)											
120	2	129209-61930	NUT, CAP	1							
121	2	129209-61970	PLATE	1							
122	2	129271-77950	SOLENOID, STOP	1							
123	2	23414-120016	GASKET, 12X1.0	1							
124	1	129209-61940	CASE ASSY	1							

(A)=3YM30AE
(B)=
(C)=

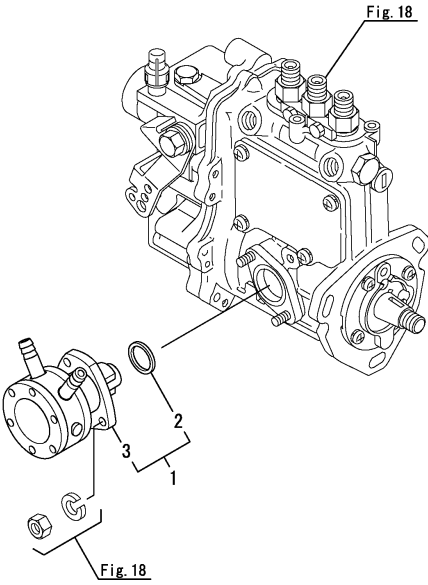
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
126	2	129209-61961	CASE	1							
		(A=EXXXXX)									
127	2	24311-000160	O-RING, 1AP16.0	1							
		(A=EXXXXX)									
129	1	119285-66650	CAP, HIGH-IDLE	1							



Remarks
* This figure(Governor) is incorporated in the Fuel Injection Pump(Fig.18).
(1)Selective parts.
Certain the classification mark, then place your order(Refer to illustration).
(2)Spare parts.

Fig.20. FUEL FEED PUMP



0CF50-M00070 Fig.20

(A)=3YM30AE
(B)=
(C)=

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

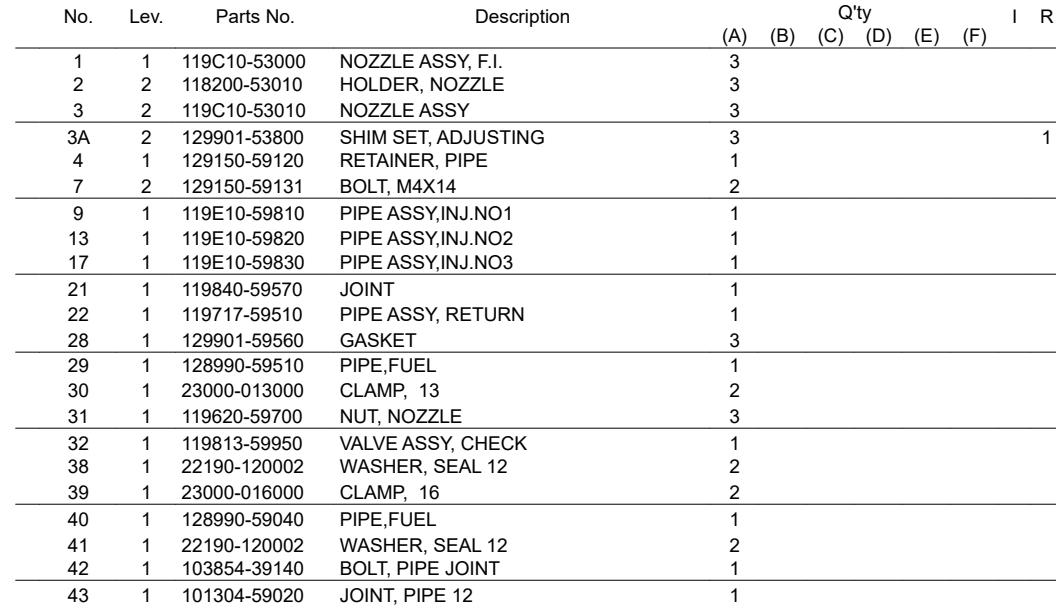
No.	Lev.	Parts No.	Description	(A)	(B)	(C)	(D)	(E)	(F)	I	R
1	2	129158-52000	PUMP ASSY, FUEL FEED	1							
2	3	129155-52051	GASKET	1							
3	3	129158-52101	PUMP ASSY, FUEL FEED	1							

(A=EXXXXX)

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



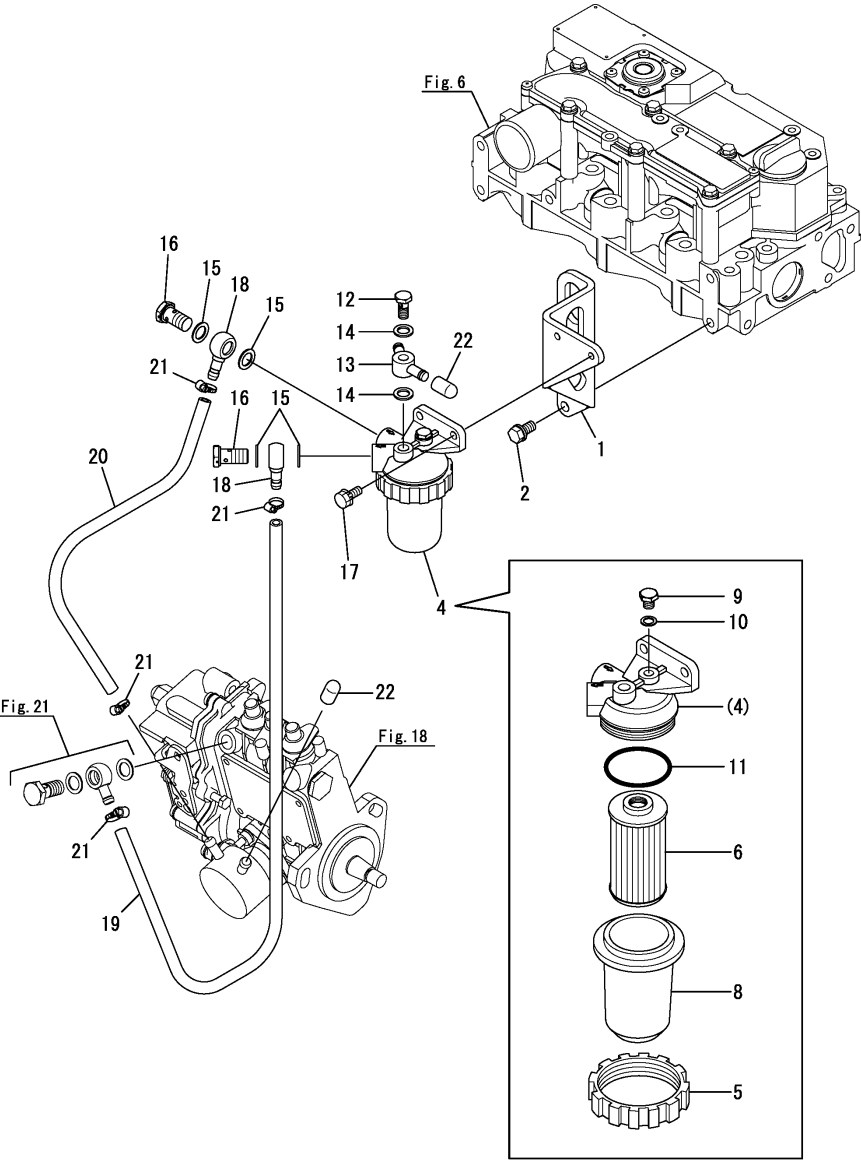
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change

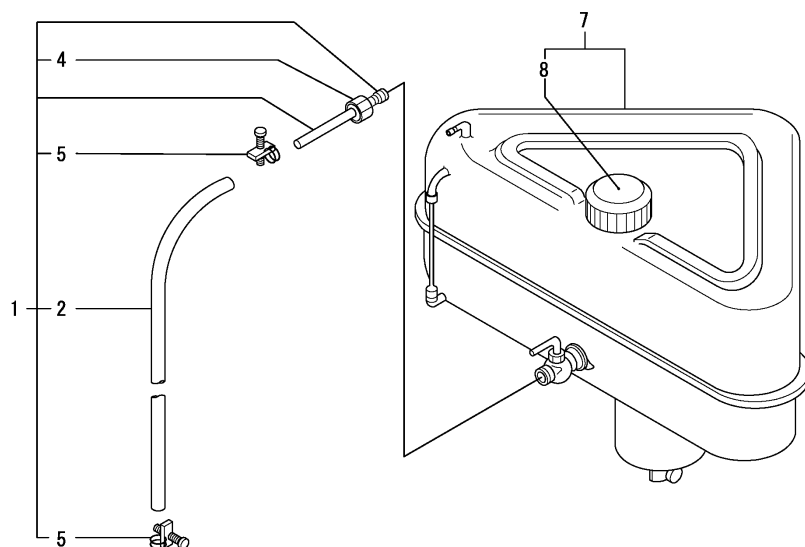
Fig.22. FUEL PIPE & FUEL STRAINER

(A)=3YM30AE
(B)=
(C)=

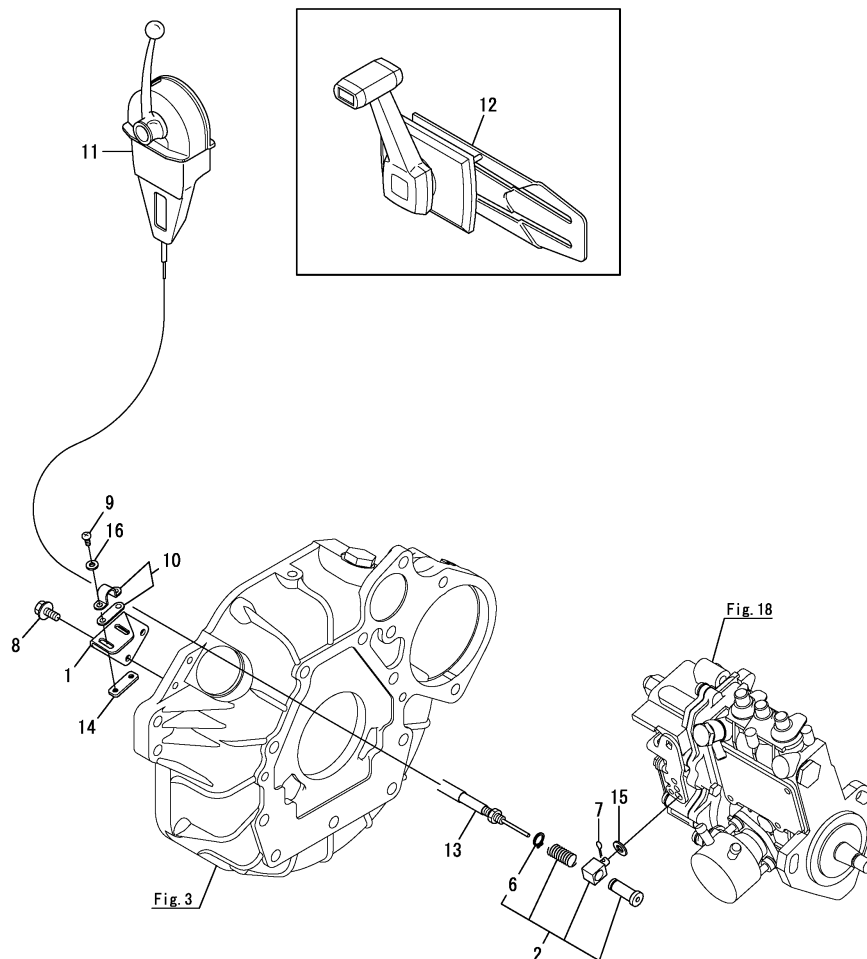
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128990-55011	BRACKET, FILTER	1							
2	1	26106-080162	BOLT, M8X 16 PLATED	2							
4	1	121370-55601	STRAINER ASSY, FUEL	1							
5	2	110250-55610	RING, RETAINING	1							
6	2	104500-55710	ELEMENT	1							
8	2	121370-55730	CUP, STRAINER	1							
9	2	101720-55750	PLUG, 6	1							
10	2	23418-060000	GASKET, 6X1.0	1							
11	2	24341-000440	O-RING, 1AS44.0	1							
12	1	128990-59150	BOLT, PIPE JOINT M8	1							
13	1	128990-59530	JOINT	1							
14	1	22190-080002	WASHER, SEAL 8	2							
15	1	22190-120002	WASHER, SEAL 12	4							
16	1	23857-060000	BOLT, JOINT 6	2							
17	1	26013-060162	BOLT, M6X 16	2							
18	1	104264-59020	JOINT	2							
19	1	128990-59200	PIPE,FUEL	1							
20	1	128990-59540	PIPE,FUEL	1							
21	1	23000-016000	CLAMP, 16	4							
22	1	128990-59900	CAP,FUEL IN-OUT	2							





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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128990-67150	BRACKET, CABLE	1							
2	1	129470-67200	RETAINER ASSY	1							
6	2	22242-000100	RING, 10	1							
7	1	22414-250150	PIN, COTTER 2.5X15	1							
8	1	26106-060122	BOLT, M6X 12 PLATED	2							
9	1	26557-050202	SCREW, M5X20	2							
10	1	41710-000410	CLAMP	1							
11	1	41730-000681	MT-3 REMO-CON	1							1
12	1	128170-86501	REMOCON HEAD (MN	1							1
13	1	27730-301400	CABLE (L=4000)	2							1
14	1	121574-86320	RETAINER	1							
15	1	22117-080000	WASHER, 8	1							
16	1	22217-050000	WASHER, SPRING 5	2							

Remarks
(1)Optional parts

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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(A)=3YM30AE
(B)=
(C)=

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

Remarks
* This figure are not illustrated.

(A)=3YM30AE
(B)=
(C)=

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

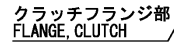
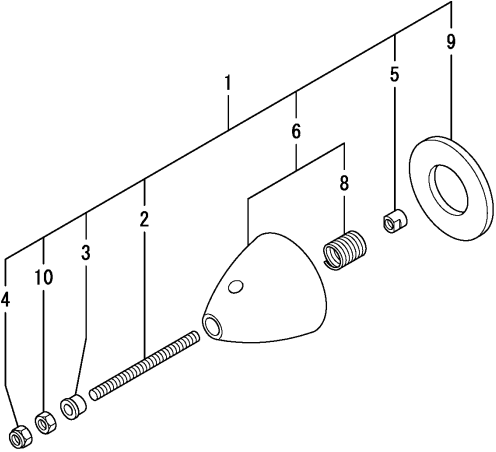
This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

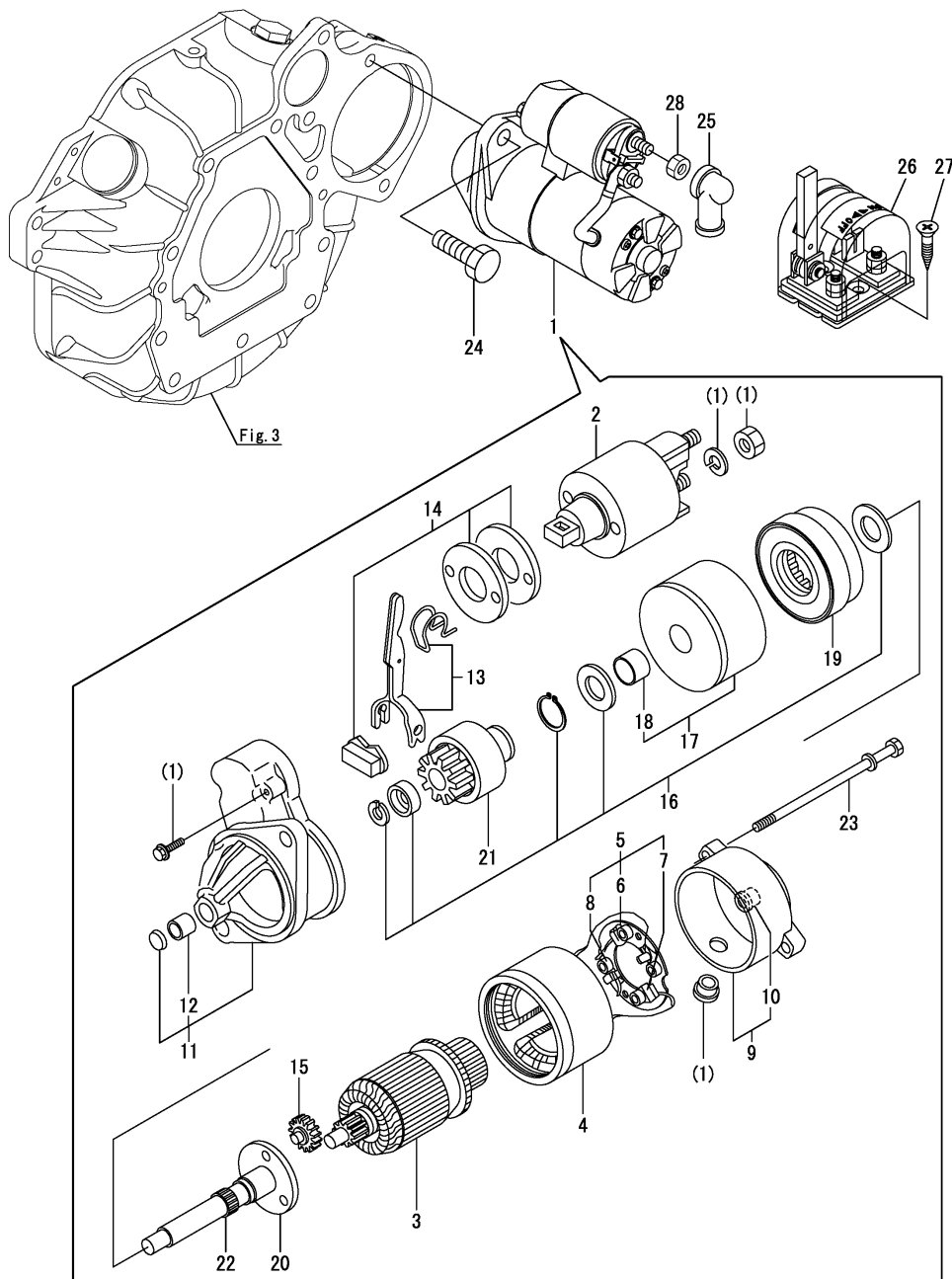
Fig.27. PROPELLER NUT

(A)=3YM30AE
(B)=
(C)=

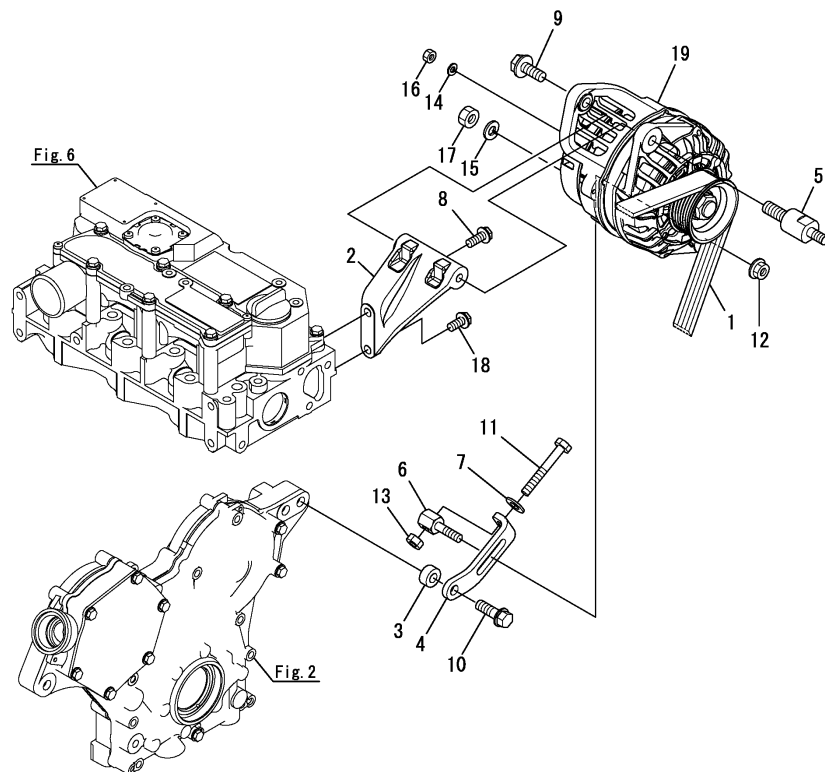
(D)=
(E)=
(F)=



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	796420-09200	NUT ASSY, PROPELLER	1							
2	2	196440-09150	BOLT, M8X105	1							
3	2	196440-09160	SPACER	1							
4	2	196440-09170	NUT, NYLON	1							
5	2	196440-09180	NUT, M8	1							
6	2	196420-09200	NUT ASSY, PROPELLER	1							
8	3	26273-160151	INSERT, 16X1.5D	1							
9	2	196420-09220	WASHER, PROPELLER	1							
10	2	26793-080002	NUT, LOCK M8	1							

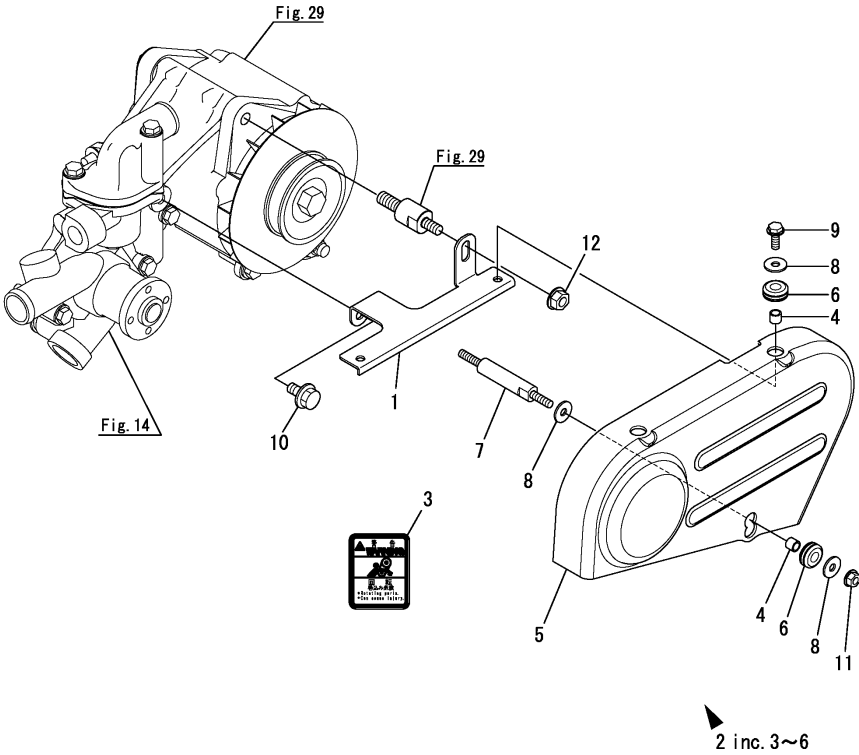


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129608-77010	STARTER, S114-817A	1							
2	2	129698-77020	SWITCH ASSY	1							
3	2	129698-77101	ARMATURE ASSY	1							
4	2	129608-77110	YOKE ASSY	1							
5	2	129698-77120	HOLDER ASSY, BRUSH	1							
6	3	129698-77140	BRUSH SET	1							
7	3	129698-77130	BRUSH	2							
8	3	129698-77150	SPRING, BRUSH	4							
9	2	129698-77161	COVER ASSY	1							
10	3	129698-77170	BEARING	1							
11	2	129698-77260	CASE ASSY	1							
12	3	X2114535200	METAL, STARTER	1							
13	2	129698-77270	LEVER SET, SHIFT	1							
14	2	129698-77280	COVER KIT	1							
15	2	129698-77240	GEAR	3							
16	2	129698-77250	WASHER SET	1							
17	2	129698-77180	BRACKET	1							
18	3	129698-77190	BRACKET	1							
19	2	129698-77200	GEAR, INTERNAL	1							
20	2	129698-77210	BRACKET	1							
21	2	129698-77220	PINION ASSY	1							
22	2	129698-77230	SHAFT	1							
23	2	124195-77770	BOLT, THROUGH	2							
24	1	26116-120302	BOLT, M12X 30 PLATED	2							
25	1	129670-77030	COVER, TERMINAL	1							
26	1	123310-77640	SWITCH, BATTERY	1							
27	1	22724-800380	SCREW, 8.0X38	2							
28	1	26756-080002	NUT, LOCK M8	1							



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128990-77580	BELT,ALTERNATOR 6PK	1							
2	1	128990-77310	BRACKET	1							
3	1	128990-77320	SPACER,ADJUSTER	1							
4	1	128990-77341	ADJUSTER, BELT	1							
5	1	128990-77410	BOLT	1							
6	1	129271-77641	BOLT,ADJUSTER	1							
7	1	22137-080000	WASHER, 8	1							
8	1	26106-080252	BOLT, M8X 25 PLATED	1							
9	1	26106-100302	BOLT, M10X 30 PLATED	1							
10	1	26106-100402	BOLT, M10X 40 PLATED	1							
11	1	26116-080604	BOLT, M8X 60 PLATED	1							
12	1	26366-080002	NUT, M8	1							
13	1	26716-080002	NUT, M8	1							
14	1	22217-050000	WASHER, SPRING 5	2							
15	1	22217-080000	WASHER, SPRING 8	1							
16	1	26716-050002	NUT, M5	2							
17	1	26756-080002	NUT, LOCK M8	1							
18	1	26106-080202	BOLT, M8X 20 PLATED	1							
19	1	128990-77250	ALTERNATOR,12V-120A	1							

Fig.30. V-BELT COVER



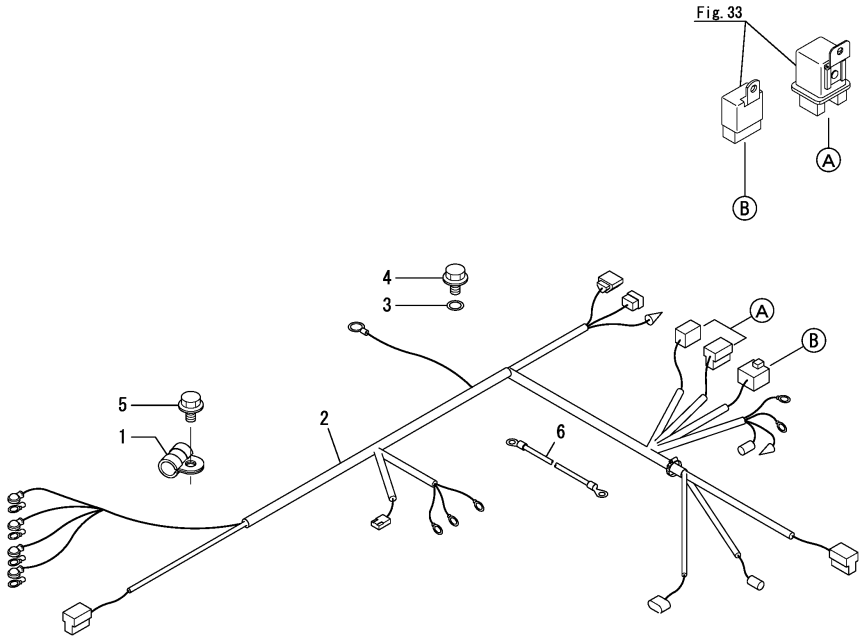
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128990-77450	BRACKET	1							
2	1	128990-77460	COVER,BELT CMP	1							
3	2	128377-07350	LABEL, CAUTION	1							
4	2	128990-77441	COLLAR, M6	3							
5	2	128990-77480	COVER	1							
6	2	128990-77600	GROMMET, M6	3							
7	1	128990-77470	BOLT	1							
8	1	128990-77510	WASHER	4							
9	1	26106-060162	BOLT, M6X 16 PLATED	2							
10	1	26106-080162	BOLT, M8X 16 PLATED	1							
11	1	26366-060002	NUT, M6	1							
12	1	26366-080002	NUT, M8	1							

Fig.31. WIRE HARNESS

(A)=3YM30AE
(B)=
(C)=

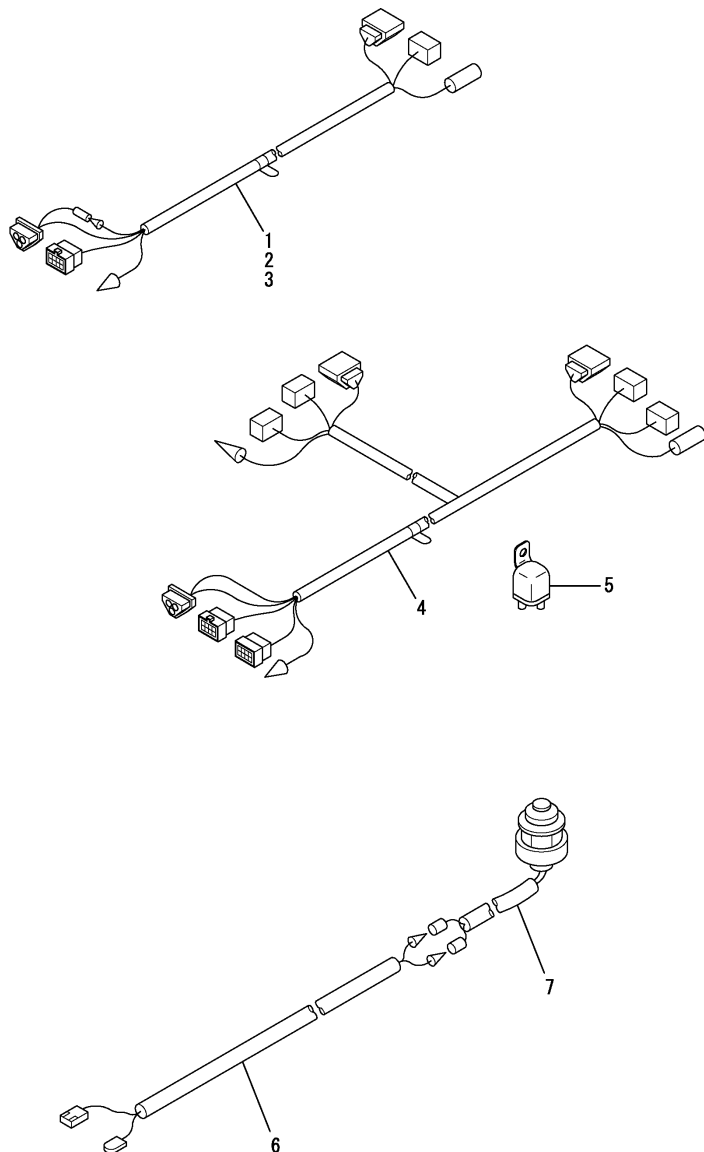
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129672-49050	RETAINER, PIPE	1							
2	1	128990-77921	HARNESS, ENGINE	1							
2-1	1	128990-77922	HARNESS, WIRE ENGINE	1						F	1
(A=*2017.01)											
3	1	22190-080002	WASHER, SEAL 8	1							
4	1	26106-080122	BOLT, M8X 12 PLATED	1							
5	1	26106-080142	BOLT, M8X 14 PLATED	1							
6	1	128990-77940	HARNESS,ALT-STARTER	1						W	1
(A=*2017.01)											



Remarks
(1)Interchangeable by simultaneous replacement with No.2-1 & 6.

Fig.32. SUB-HARNESS & NEUTRAL SWITCH



No.	Lev.	Parts No.	Description	(A)=3YM30AE	(D)=
				(B)=	(E)=
				(C)=	(F)=
				Q'ty	
				(A)	(B)
				(C)	(D)
				(E)	(F)
1	1	164100-22820	HARNESS,EXT 4M	1	
2	1	164100-22830	HARNESS,EXT 6M	1	
3	1	164100-22840	HARNESS,EXT 10M	1	
4	1	164100-23700	HARNESS, DUAL PANEL	1	
5	1	119773-91850	RELAY	1	
6	1	177074-06350	HARNESS, WIRE	1	
7	1	120270-77102	SWITCH, SAFETY	1	

Fig.33. RELAY

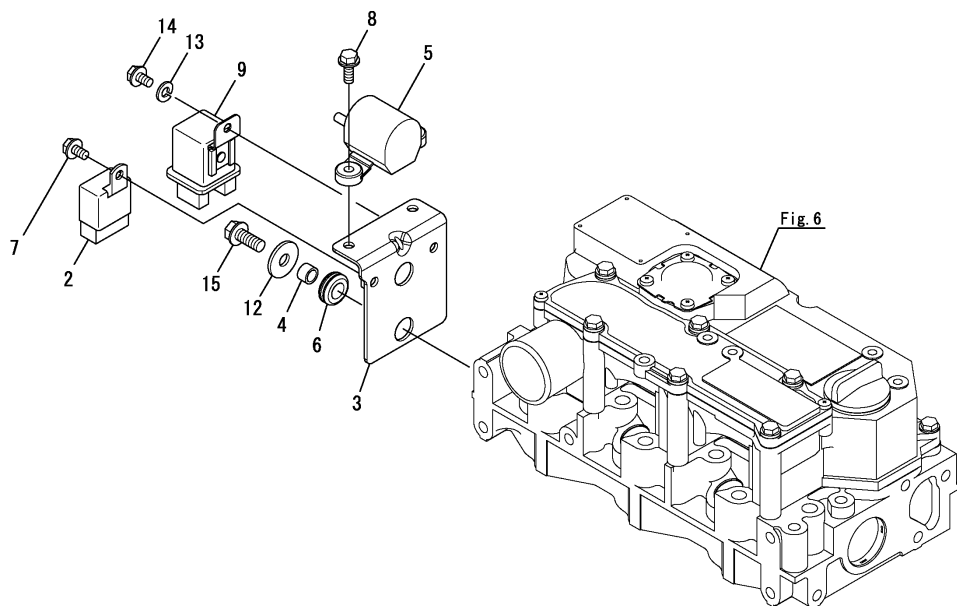


Fig. 6

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
2	1	119247-77100	RELAY, SAFETY	1							
3	1	128990-77400	BRACKET, RELAY	1							
4	1	128990-77430	COLLAR	2							
5	1	128990-77550	RELAY, MAGNETIC	1							
6	1	128990-77610	GROMMET	2							
7	1	26106-060102	BOLT, M6X 10 PLATED	1							
8	1	26106-060162	BOLT, M6X 16 PLATED	2							
9	1	128990-77911	RELAY ASSY, GLOW	1							
12	1	22157-080000	WASHER, 8	2							
13	1	22217-060000	WASHER, SPRING 6	1							
14	1	26106-060082	BOLT, M6X 8 PLATED	1							
15	1	26106-080202	BOLT, M8X 20 PLATED	2							

Fig.34. ELECTRIC PARTS

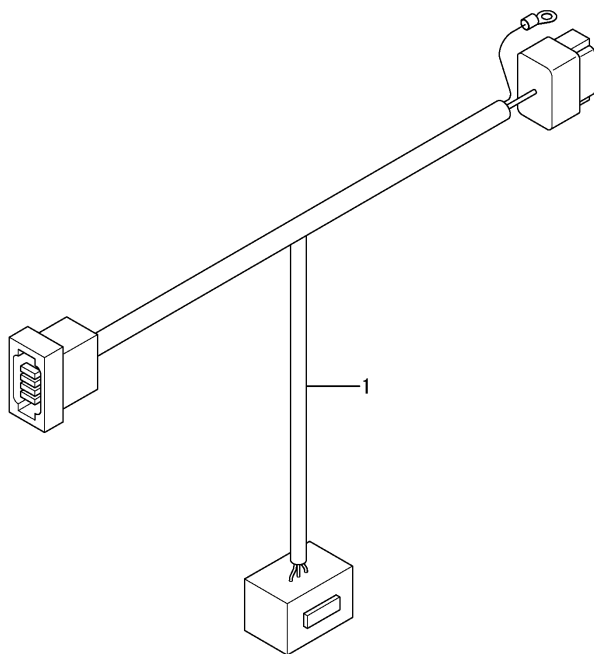
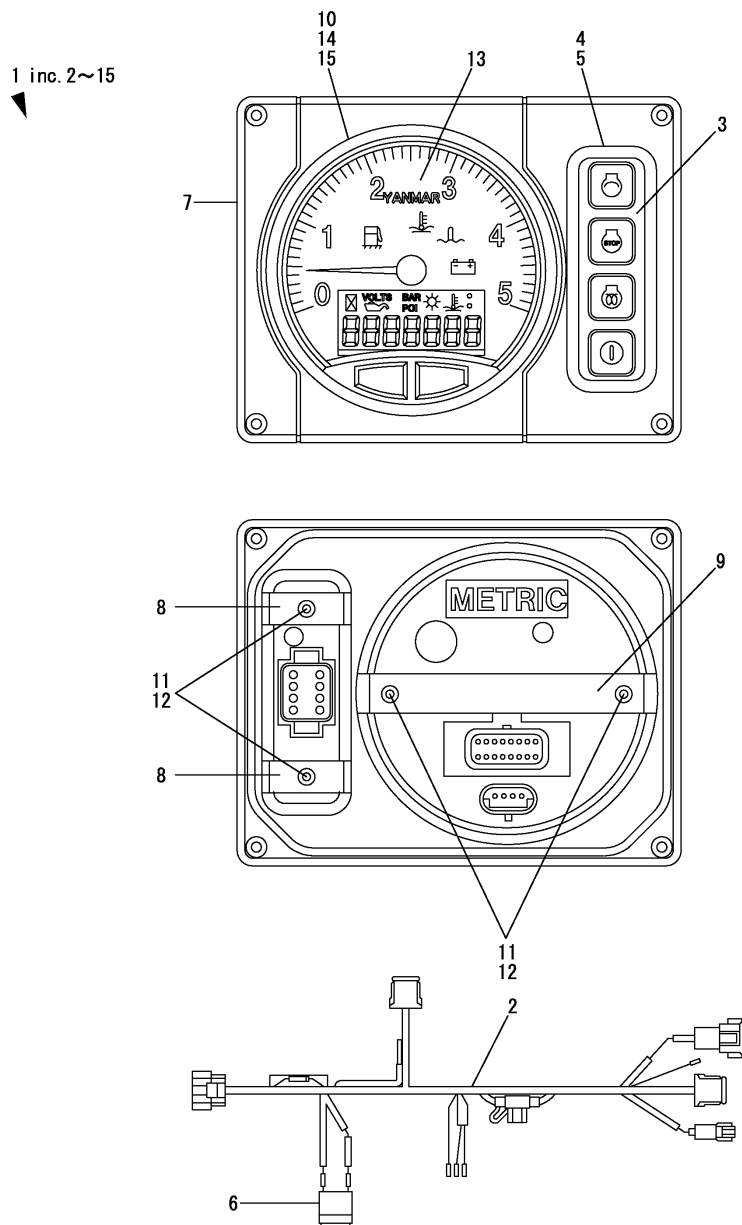
[illegible]

Fig.35. INSTRUMENT PANEL(MEDALLION)

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	164100-30102	PANEL ASSY, B20 MD	1							
2	2	164100-21100	HARNNESS, PANEL	1							
3	2	164100-31101	SWITCH, PANEL MD	1							
4	2	164100-31150	GASKET, SWITCH	1							
5	2	164100-31900	BEZEL, SWITCH BK	1							
6	2	164100-36100	BUZZER, PANEL	1							
7	2	164100-39100	FRAME, PANEL B	1							
8	2	164100-39120	BRACKET, SWITCH	2							
9	2	164100-39131	BRACKET, GAUGE 5 MD	1							
10	2	164100-39150	CAP, GAUGE TERMINAL	1							
11	2	164100-39180	WASHER, LOCK	4							
12	2	164100-39190	NUT, M3.5	4							
13	2	164100-53102	GAUGE, TACH LCD 5 MD	1							
14	2	164100-53150	GASKET, GAUGE 5	1							
15	2	164100-53900	BEZEL, GAUGE 5 BK	1							

Parts No. Index

Parts No.	Fig. No.	Ref. No.
101304-59020	21	43
101720-55750	22	9
103854-39140	21	42
104214-13580	8	13
		25
104264-59020	22	18
104500-55710	22	6
105010-11490	6	5
105311-01090	1	5
105430-55041	23	8
110250-55610	22	5
114250-39450	12	6
118200-53010	21	2
119125-51370	18	68
119125-51900	18	100
119247-77100	33	2
119285-01990	1	7
119285-11990	6	14
119285-66650	19	129
119305-35160	12	2
119515-61440	19	21
119515-61550	19	97
119600-11460	6	4
119620-01750	3	4
119620-02020	1	8
119620-11280	6	29
119620-14200	9	1
119620-49290	14	27
119620-59700	21	31
119621-21681	10	14
119623-01250	1	6
119624-32040	2	20
119660-01911	2	19
119660-61901	19	66
119717-01501	2	1
119717-01521	2	6
119717-01570	2	3
119717-01720	3	7
119717-01750	2	18
119717-01800	2	9
119717-02411	1	11
119717-02930	1	26
119717-03031	6	39
119717-03070	6	40
		41
119717-11131	6	18
119717-11190	6	20
119717-11200	6	24
119717-11240	6	25
119717-11260	6	28

Parts No.	Fig. No.	Ref. No.
119717-11320	6	50
119717-11331	6	51
119717-11340	6	21
119717-11350	6	22
119717-11381	6	38
119717-11650	6	30
119717-11800	6	12
119717-13110	15	1
119717-14400	9	2
119717-14581	9	3
119717-21200	10	5
119717-23200	10	30
119717-23601	10	31
119717-23611	10	34
119717-23910	10	33
119717-25050	9	10
119717-25101	9	11
119717-25930	9	16
119717-32050	2	21
119717-32060	12	3
119717-32080	2	11
119717-32100	2	10
119717-32110	2	15
119717-32120	2	16
119717-35140	12	1
119717-39210	12	7
119717-42020	14	13
119717-42031	14	4
119717-42041	14	3
119717-51060	18	7
119717-51070	18	8
119717-51150	18	14
119717-51190	18	17
119717-51200	18	18
119717-51300	18	57
119717-51330	18	60
119717-51420	18	98
119717-51481	18	104
119717-51491	18	105
119717-51500	18	78
119717-51570	18	16
119717-51711	18	89
119717-51750	18	90
119717-51761	18	91
119717-51860	18	102
119717-51930	19	69
119717-59510	21	22
119717-61050	19	2
119717-61060	19	3
119717-61070	19	4

Parts No.	Fig. No.	Ref. No.
119717-61100	19	5
119717-61120	19	8
119717-61130	19	9
119717-61140	19	10
119717-61150	19	11
119717-61201	19	73
119717-61400	19	14
119717-61500	19	30
119717-77801	6	58
119718-11310	6	49
119740-51100	18	10
119773-91850	32	5
119802-03100	6	42
119802-03110	6	43
119802-03121	6	44
119802-03131	6	45
119802-03141	6	46
119802-32130	2	17
119810-01200	1	13
119810-02941	1	35
119813-59950	21	32
119840-59570	21	21
119C00-51030	18	6
119C10-21930	10	15
119C10-21940	10	16
119C10-42320	14	11
119C10-53000	21	1
119C10-53010	21	3
119E00-01560	1	1
119E10-01330	1	14
119E10-11100	6	16
119E10-11110	6	17
119E10-11750	6	6
119E10-21700	10	1
119E10-22080	10	18
119E10-22300	10	24
119E10-22500	10	20
119E10-22550	10	37
119E10-22900	10	36
119E10-23000	10	26
119E10-42000	14	1
119E10-59810	21	9
119E10-59820	21	13
119E10-59830	21	17
120270-77102	32	7
121111-21501	10	8
121370-55601	22	4
121370-55730	22	8
121450-42450	3	10
	14	23

Parts No.	Fig. No.	Ref. No.
121574-86320	24	14
	26	2
121575-49310	16	8
121575-66830	19	22
121850-51960	2	22
122710-51090	18	9
123310-77640	28	26
123682-07852	5	1
124060-01050	1	12
124070-13300	8	10
		22
124070-13520	8	9
124070-42400	13	22
124085-02220	3	5
124101-49530	14	17
124160-01751	2	30
	6	37
124160-01910	1	15
124195-77770	28	23
124223-49050	16	12
124465-44950	14	21
		22
		31
124550-51350	18	61
124950-21600	10	12
124976-34850	11	7
128170-86501	24	12
128171-81510	25	2
128171-81520	25	1
128270-12540	7	5
128296-07190	5	15
128296-07400	5	16
128296-07420	5	17
128296-07450	5	18
128296-07460	5	19
128370-13201	8	1
		7
		19
128370-13610	8	14
128377-07150	5	4
128377-07350	30	3
128377-08120	4	3
128377-08130	4	4
128377-08341	4	7
128377-08351	4	8
		9
128397-44500	15	22
128397-44510	15	24
128890-13530	8	2
128890-13590	8	9 A

Parts No. Index

Parts No.	Fig. No.	Ref. No.
128990-01650	3	2
128990-01750	3	9
128990-07270	5	5
128990-07910	6	1
128990-08110	4	1
128990-12210	7	1
128990-12500	7	2
128990-13510	8	20
128990-13520	8	21
128990-13610	8	26
128990-34850	11	1
128990-34860	11	2
128990-34900	5	10
128990-35080	12	4
128990-42200	13	18
128990-42350	14	25
128990-42520	13	20
128990-42550	13	3
128990-42560	13	8
128990-42570	13	17
128990-44071	15	10
128990-44081	15	11
128990-44090	15	14
128990-44100	15	15
128990-44110	15	16
128990-44120	15	17
128990-44401	15	19
128990-44500	14	24
128990-44901	15	2
128990-49011	16	1
128990-49021	8	4
128990-49040	8	15
128990-49050	16	3
128990-49070	16	5
128990-49090	8	27
128990-49110	16	2
		4
128990-49161	16	6
128990-49170	16	7
128990-49320	14	32
128990-49350	14	33
128990-49351	14	33 -1
128990-49360	14	34
128990-49370	14	35
128990-49390	14	37
128990-49391	14	37 -1
128990-49400	14	36
128990-49800	14	18
128990-55011	22	1
128990-59040	21	40

Parts No.	Fig. No.	Ref. No.
128990-59131	23	2
128990-59150	22	12
128990-59200	22	19
128990-59510	21	29
128990-59530	22	13
128990-59540	22	20
128990-59700	23	1
128990-59900	22	22
128990-67150	24	1
128990-77250	29	19
128990-77310	29	2
128990-77320	29	3
128990-77341	29	4
128990-77400	33	3
128990-77410	29	5
128990-77430	33	4
128990-77441	30	4
128990-77450	30	1
128990-77460	30	2
128990-77470	30	7
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128990-77510	30	8
128990-77550	33	5
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129271-77950	19	122
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