

0CF10-M63300EN

Introduction

1.This parts catalog is a first edition of the 4LH-WST & 4LH-WSTZY Diesel engine.

	Parts catalog No.	Date of issue	Remarks
First edition	OCF10-G63300	Sep.,2010	

2.Standard finish color.

Yanmar Turquoise Blue Metallic

Parts No. 977620-10741 1L(Packed in a can)

Parts No. 977620-40741 4L(Packed in a can)

Parts No. 977620-30741 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 part for repairs.If imitation parts are used, it may cause engine defects.

Contents

OCF10-M63300

Fig. No. Fig. Name

4LH-WST/WSTZY

1. CYLINDER BLOCK
2. GEAR HOUSING
3. LUB. OIL SUMP & OIL SEAL HOUSING
4. FRONT BRACKET
5. BREATHER
6. LABEL
7. ENGINE BRACKET
8. CYLINDER HEAD & BONNET
9. SUCTION MANIFOLD & AIR COOLER
10. TURBINE & MIXING ELBOW
11. TURBINE(INNER PARTS)
12. CAMSHAFT & CRANKSHAFT
13. AIR DUCT
14. PISTON & CONNECTING ROD
15. BALANCER
16. LUB. OIL COOLER
17. LUB. OIL SYSTEM
18. COOLING FRESH WATER PUMP
19. COOLING SEA WATER PUMP
20. FRESH WATER COOLER & COVER
21. COOLING SEA WATER PIPE
22. COOLING FRESH WATER PIPE
23. FUEL INJECTION PUMP
24. GOVERNOR

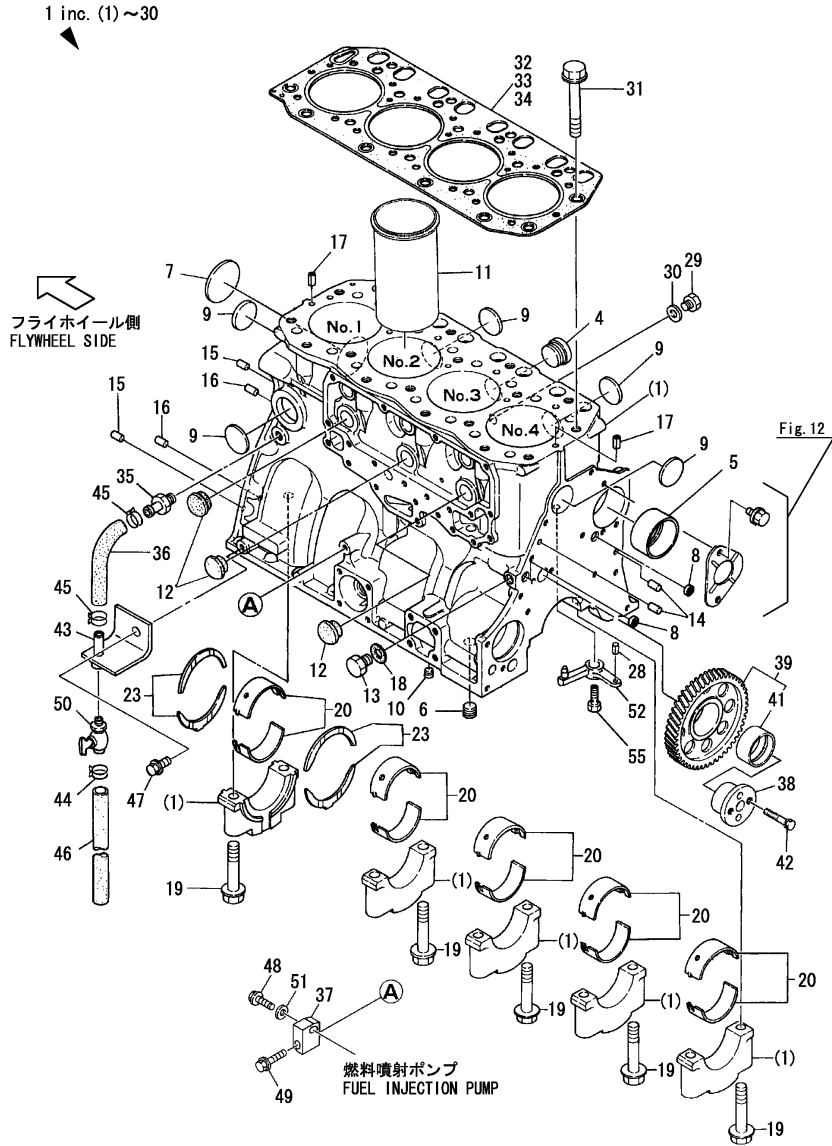
Fig. No. Fig. Name

25. FUEL FEED PUMP
26. TIMER & FUEL INJECTION PUMP MOUNT
27. FUEL INJECTION VALVE & FUEL INJECTION PIPE
28. FUEL PIPE
29. ENGINE STOP DEVICE
30. STARTING MOTOR
31. STARTING MOTOR(EARTH FLOAT TYPE/OPTIONAL)
32. GENERATOR(HITACHI)
52. (32A)GENERATOR(BOSCH)
33. GENERATOR(EARTH FLOAT TYPE)(HITACHI)
53. (33A)GENERATOR(EARTH FLOATTYPE)(BOSCH)
34. WIRE HARNESS
35. SENSOR(4LH-WST)
36. SENSOR(4LH-WSTZY)
37. SENSOR(EARTH FLOAT TYPE/OPTIONAL)
38. CLUTCH
39. INSTRUMENT PANEL(4LH-WST)
40. INSTRUMENT PANEL(4LH-WSTZY)
41. TOOL
42. TOOL(OPTIONAL)
43. TOOL(OPTIONAL)
44. BILGE PUMP(OPTIONAL)
45. FRONT DRIVING DEVICE(OPTIONAL)
46. FPTO ELECTTON CLUTCH(BF500/OPTIONAL)
47. FPTO ELECTTON CLUTCH(BF501/OPTIONAL)

Contents

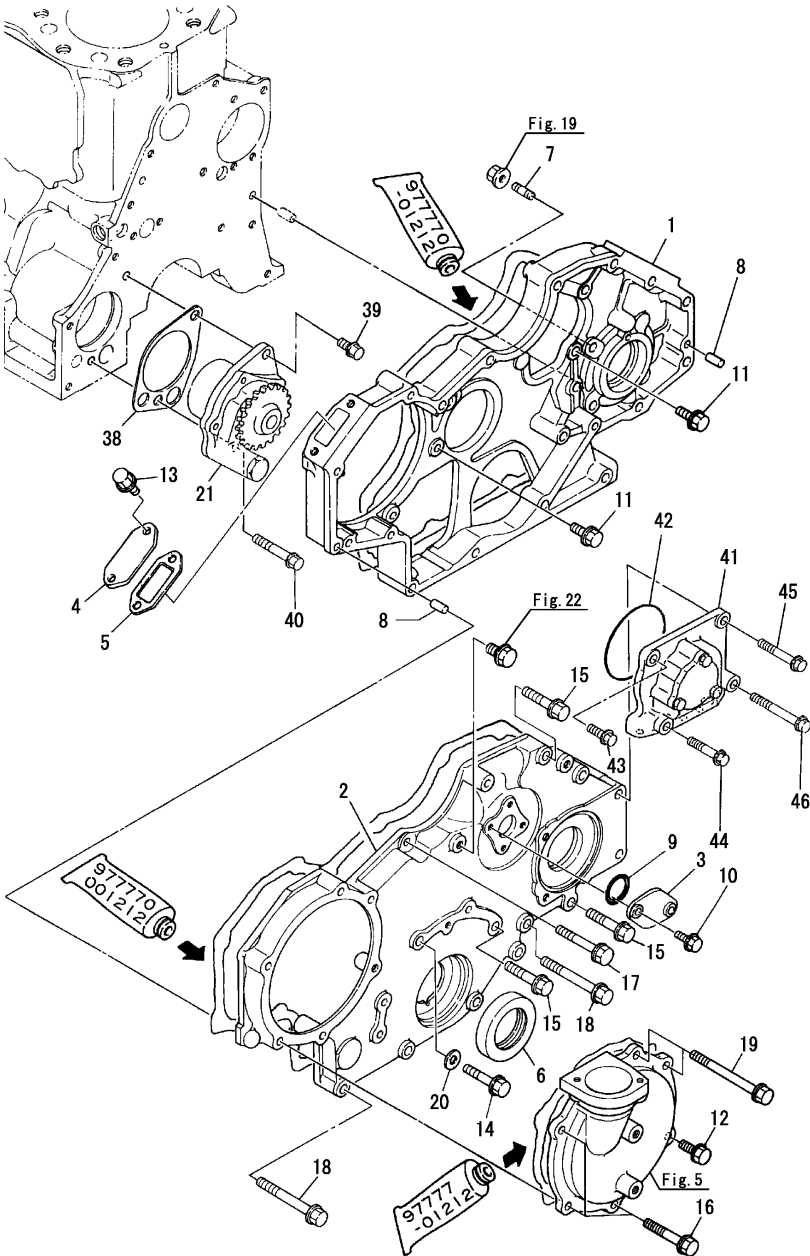
Fig. No.	Fig. Name	Fig. No.	Fig. Name
48.	FPTO ELECTTON CLUTCH(BF502/OPTIONAL)		
49.	FPTO ELECTTON CLUTCH(CF500/OPTIONAL)		
50.	FPTO ELECTTON CLUTCH(CF501/OPTIONAL)		
51.	SAFETY LABEL		

OCF10-M63300 4LH-WST/WSTZY
Fig.1. CYLINDER BLOCK



OCF10-M63300										Fig.1			
				(A)=4LH-WST (B)=4LH-WSTZY (C)=					(D)= (E)= (F)=				
No.	Lev.	Parts No.	Description	Q'ty						I	R		
				(A)	(B)	(C)	(D)	(E)	(F)				
1	1	719183-01560	BLOCK ASSY, CYLINDER	1	1								
4	3	171051-01921	PLUG, NPTF1	1	1								
5	3	119000-02410	BUSH, CAMSHAFT	1	1								
6	3	23876-030000	PLUG, R03	1	1								
7	3	27231-600000	PLUG, 60	1	1								
8	3	27241-140000	PLUG, 14	3	3								
9	3	27241-400000	PLUG, 40	5	5								
10	3	119000-01880	SCREW	1	1								
11	2	119142-01150	LINER, CYLINDER	4	4								
12	2	119000-01840	PLUG, RUBBER	3	3								
13	2	135602-34390	RETAINER	1	1								
14	2	129100-01580	PIN, M8X16	2	2								
15	2	129100-01580	PIN, M8X16	2	2								
16	2	129100-01580	PIN, M8X16	2	2								
17	2	22351-080016	PIN, SPRING 8.0X16	2	2								
18	2	23414-140000	GASKET, 14X1.0	1	1								
19	2	119000-02020	BOLT, METAL CAP	10	10								
20	2	719000-02800	BEARING, MAIN	5	5								
23	2	119000-02930	BEARING, THRUST	2	2								
28	2	22351-040008	PIN, SPRING 4.0X 8	4	4								
29	2	135400-01790	PLUG	1	1								
30	2	23414-100000	GASKET, 10X1.0	1	1								
31	1	119174-01200	BOLT, HEAD	18	18								
32	1	119174-01340	GASKET, HEAD T=1.3	1	1								
33	1	119174-01330	GASKET, HEAD T=1.2	1	1								1
34	1	119174-01350	GASKET, HEAD T=1.4	1	1								1
35	1	121550-49111	JOINT, PT1/4	1	1								
36	1	119173-49160	PIPE, WATER	1	1								
37	1	119181-01990	RETAINER, PUMP	1	1								
38	1	119000-25050	SHAFT, IDLE GEAR	1	1								
39	1	119000-25100	GEAR ASSY, IDLE Z=51	1	1								
41	2	119000-25060	BUSH, IDLE GEAR	1	1								
42	1	119174-25060	BOLT, M8X45	2	2								
43	1	119173-49170	BRACKET	1	1								
44	1	124460-77680	RETAINER	1	1								
45	1	23000-016000	CLAMP, 16	2	2								
46	1	23061-070300	PIPE, 7X 300	1	1								
47	1	26106-080122	BOLT, M8X 12 PLATED	1	1								
48	1	26106-080352	BOLT, M8X 35 PLATED	1	1								
49	1	26106-080402	BOLT, M8X 40 PLATED	1	1								
50	1	129670-49290	COCK ASSY, R1/8	1	1								
51	1	106100-55800	WASHER	1	1								
52	1	119174-39560	NOZZLE ASSY, COOLING	4	4								
55	1	23857-030000	BOLT, JOINT 3	4	4								

Fig.2. GEAR HOUSING

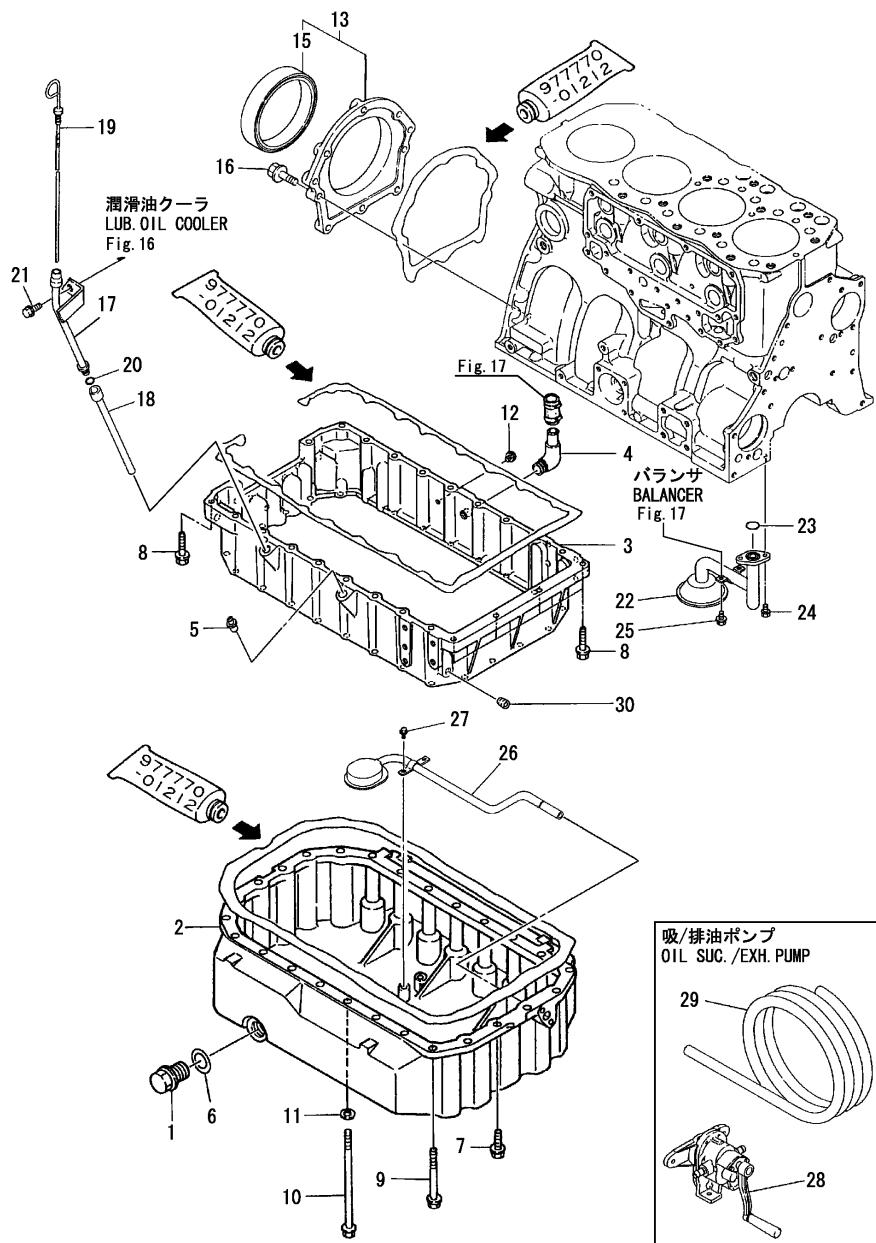


(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119000-01500	CASE, GEAR	1	1						
2	1	119000-01520	COVER, GEAR CASE	1	1						
3	1	121023-01551	COVER	1	1						
4	1	119000-01740	COVER	1	1						
5	1	119000-01771	GASKET	1	1						
6	1	121850-01800	SEAL, OIL	1	1						
7	1	121850-01920	STUD, 2D8X22	2	2						
8	1	129100-01580	PIN, M8X16	2	2						
9	1	24341-000240	O-RING, 1AS24.0	1	1						
10	1	26106-060182	BOLT, M6X 18 PLATED	2	2						
11	1	26106-080202	BOLT, M8X 20 PLATED	5	5						
12	1	26106-080252	BOLT, M8X 25 PLATED	1	1						
13	1	26106-080202	BOLT, M8X 20 PLATED	2	2						
14	1	26106-080402	BOLT, M8X 40 PLATED	1	1						
15	1	26106-080452	BOLT, M8X 45 PLATED	5	5						
16	1	26106-080552	BOLT, M8X 55 PLATED	3	3						
17	1	26106-080552	BOLT, M8X 55 PLATED	1	1						
18	1	26106-080752	BOLT, M8X 75 PLATED	4	4						
19	1	26106-080952	BOLT, M8X 95 PLATED	2	2						
20	1	22190-080003	WASHER, SEAL 8	1	1						
21	1	119000-32001	PUMP ASSY, OIL	1	1						
38	1	119000-32020	GASKET, PUMP	1	1						
39	1	26106-080162	BOLT, M8X 16 PLATED	1	1						
40	1	26106-080502	BOLT, M8X 50 PLATED	1	1						
41	1	119174-32000	PUMP ASSY, OIL	1	1						
42	1	24341-000800	O-RING, 1AS80.0	1	1						
43	1	26106-080252	BOLT, M8X 25 PLATED	1	1						
44	1	26106-080452	BOLT, M8X 45 PLATED	1	1						
45	1	26106-080552	BOLT, M8X 55 PLATED	1	1						
46	1	26106-080702	BOLT, M8X 70 PLATED	1	1						

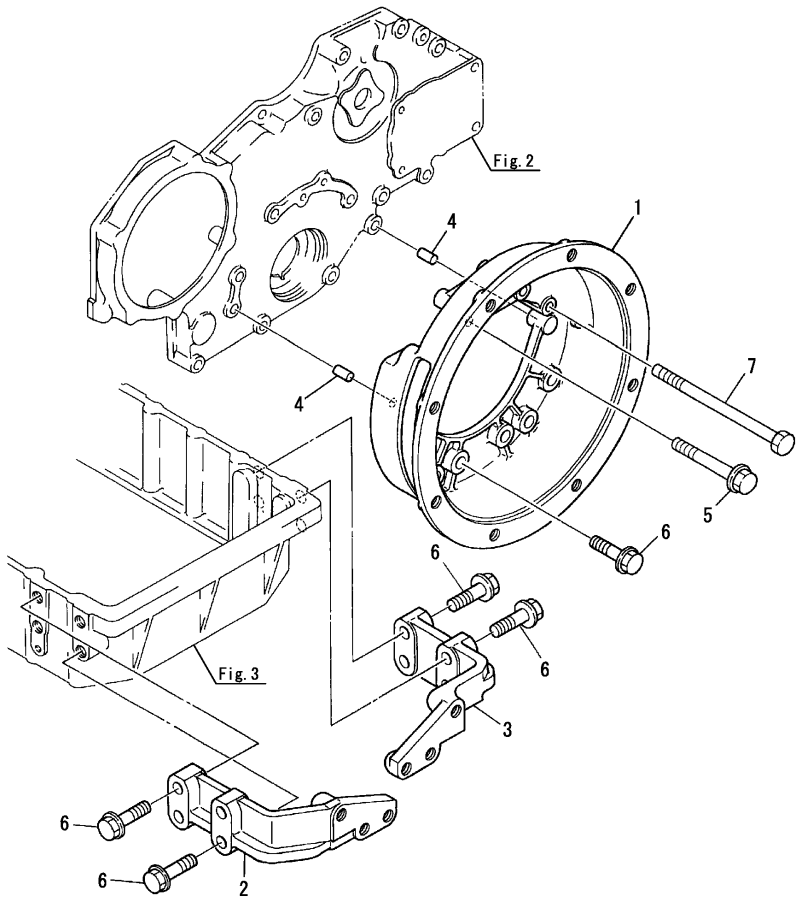
Fig.3. LUB. OIL SUMP & OIL SEAL HOUSING



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119640-01640	PLUG, DRAIN M22	1	1						
2	1	119187-01710	SUMP, OIL	1	1						
3	1	119187-01731	SPACER, OIL SUMP	1	1						
4	1	124070-13300	ELBOW, PT3/8	1	1						
5	1	119174-39500	JOINT	1	1						
6	1	22190-220002	WASHER, SEAL 22	1	1						
7	1	26106-080252	BOLT, M8X 25 PLATED	8	8						
8	1	26106-080352	BOLT, M8X 35 PLATED	6	6						
9	1	26106-081202	BOLT, M8X120 PLATED	4	4						
10	1	26116-081902	BOLT, M8X190 PLATED	14	14						
11	1	22137-080000	WASHER, 8	14	14						
12	1	23876-020000	PLUG, R02	1	1						
13	1	119100-01640	CASE ASSY, OIL SEAL	1	1						
15	2	124411-01780	SEAL, HTC95X115X12	1	1						
16	1	26106-080252	BOLT, M8X 25 PLATED	8	8						
17	1	119189-34810	GUIDE, DIPSTICK	1	1						
18	1	119187-34820	GUIDE, DIPSTICK B	1	1						
19	1	129470-34850	DIPSTICK, OIL	1	1						
20	1	24341-000100	O-RING, 1AS10.0	1	1						
21	1	26106-080162	BOLT, M8X 16 PLATED	1	1						
22	1	119187-35090	PIPE ASSY, OIL INLET	1	1						
23	1	24311-000220	O-RING, 1AP22.0	1	1						
24	1	26013-080162	BOLT, M8X 16	2	2						
25	1	26106-080162	BOLT, M8X 16 PLATED	2	2						
26	1	119187-35100	PIPE ASSY, OIL INLET	1	1						
27	1	26106-060122	BOLT, M6X 12 PLATED	2	2						
28	1	124413-39100	PUMP ASSY, WASTE	1	1						
29	1	120130-39990	HOSE,OIL DRAIN 3M	1	1						
30	1	23876-020000	PLUG, R02	1	1						

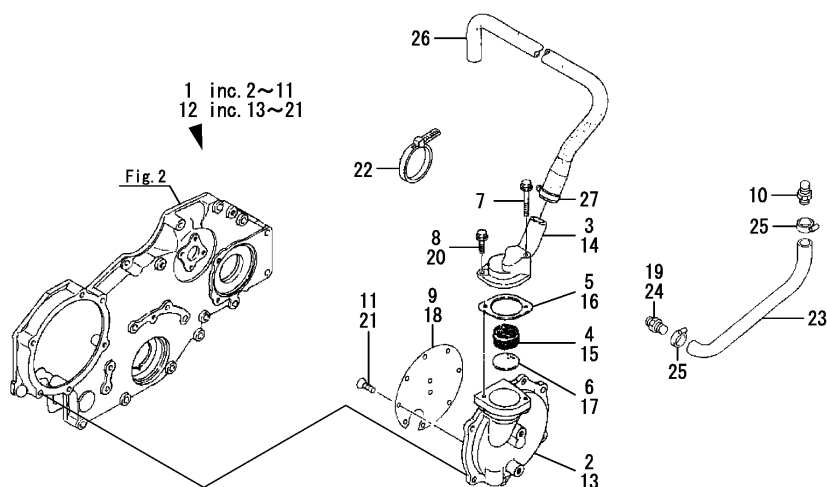
(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119192-01851	FOOT, MOUNTING	1	1						
2	1	119192-01860	BRACKET	1	1						
3	1	119192-01870	BRACKET	1	1						
4	1	22312-080180	PIN, PARALLEL M8X18	2	2						
5	1	26106-080902	BOLT, M8X 90 PLATED	1	1						
6	1	26106-100452	BOLT, M10X 45 PLATED	14	14						
7	1	26116-081252	BOLT, M8X125 PLATED	1	1						

Fig.5. BREATHES

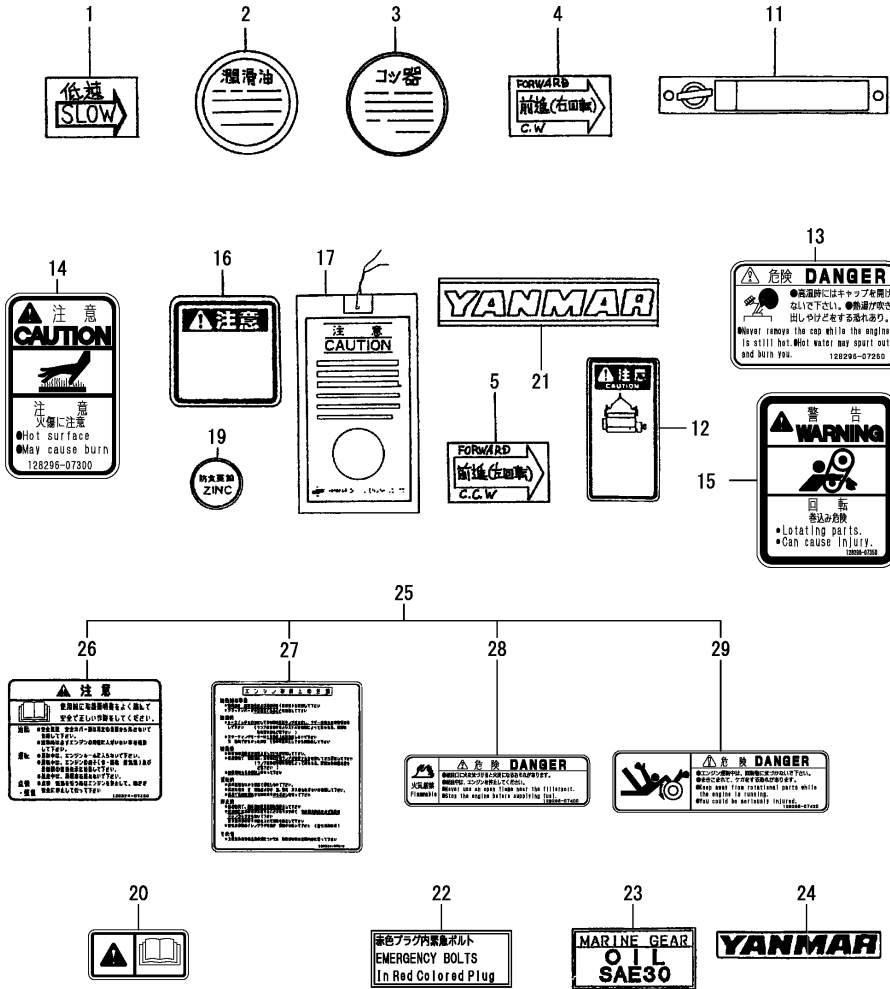


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119175-03021	COVER ASSY	1							
2	2	119174-01932	COVER	1							
3	2	119173-03030	COVER, BREATHER	1							
4	2	121850-03050	FILTER, BREATHER	1							
5	2	124411-03051	GASKET	1							
6	2	121750-03080	PLATE, BAFFLE	1							
7	2	26106-060452	BOLT, M6X 45 PLATED	1							
8	2	26106-060182	BOLT, M6X 18 PLATED	1							
9	2	119174-03192	PLATE, BAFFLE	1							
10	2	129122-44480	JOINT	1							
11	2	26557-040062	SCREW, M4X 6	9							
12	1	119195-03021	COVER ASSY		1						
13	2	119174-01932	COVER		1						
14	2	119194-03030	COVER, BREATHER		1						
15	2	121850-03050	FILTER, BREATHER		1						
16	2	124411-03051	GASKET		1						
17	2	121750-03080	PLATE, BAFFLE		1						
18	2	119174-03192	PLATE, BAFFLE		1						
19	2	129466-49110	JOINT, PT1/4		1						
20	2	26106-060182	BOLT, M6X 18 PLATED		2						
21	2	26557-040062	SCREW, M4X 6		9						
22	1	121750-59890	BAND, 140	2	2						
23	1	119195-39700	HOSE, RUBBER	1	1						
24	1	129466-49110	JOINT, PT1/4	1	1						
25	1	23000-022000	CLAMP, 22	2	2						
26	1	119173-03110	HOSE, BREATHER	1	1						
27	1	23000-035000	CLAMP, 35	1	1						

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

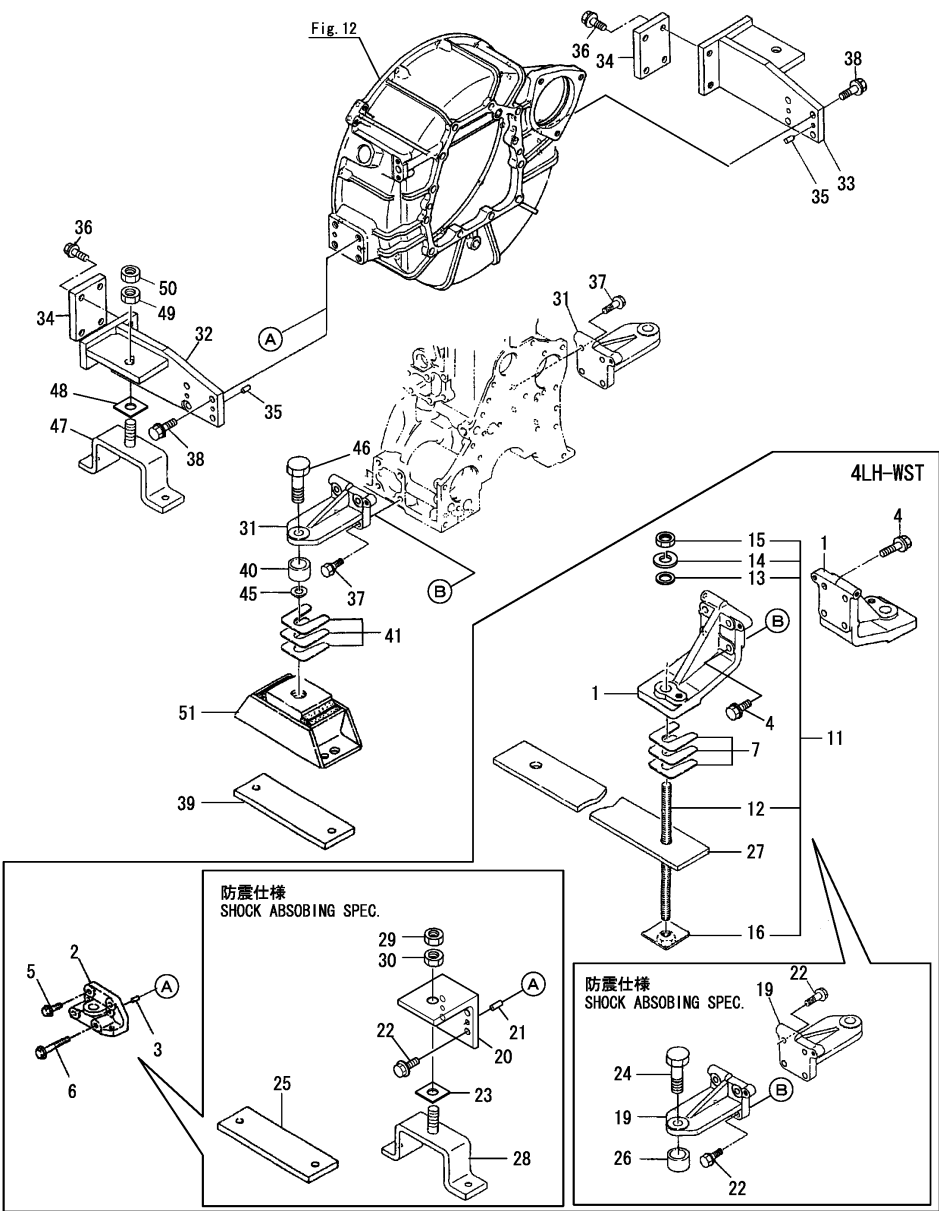
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	177058-02450	LABEL	1	1						
2	1	177050-02811	LABEL	1	1						
3	1	177050-02821	LABEL, STRAINER	1	1						
4	1	177055-02951	LABEL	1							
5	1	177055-02961	LABEL		1						
11	1	105582-07061	LABEL	1	1						
12	1	120324-07240	LABEL, DANGER	1	1						
13	1	128296-07260	LABEL, DANGER	1	1						
14	1	128296-07300	LABEL, DANGER	1	1						
15	1	128296-07350	LABEL, DANGER	1	1						
16	1	120322-07411	LABEL, ATTENTION	1	1						
17	1	123682-07852	LABEL, CAUTION	1	1						
19	1	124220-09340	LABEL	2	2						
20	1	196630-12980	LABEL, CAUTION	1	1						
21	1	194170-65891	LABEL, SEAT	1	1						
22	1	177061-02811	LABEL,EMERGENCY BOLT		1						
23	1	177551-02951	LABEL, CLUTCH OIL		1						
24	1	104507-07190	LABEL, YANMAR		1						
25	1	120324-07190	LABEL SET	1	1						
26	2	120324-07200	LABEL, CAUTION	1	1						
27	2	120324-07210	LABEL, CAUTION	1	1						
28	2	128296-07400	LABEL, DANGER	2	2						
29	2	128296-07420	LABEL, DANGER	1	1						



(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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



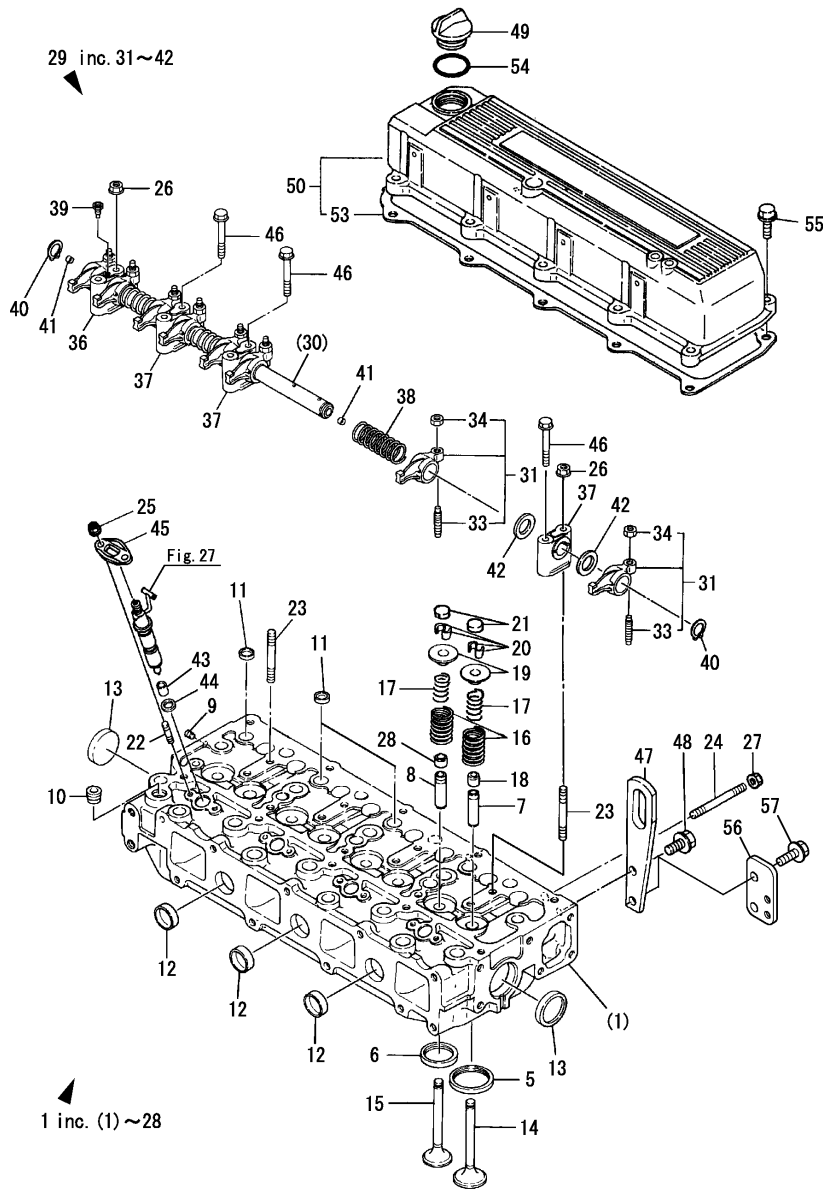
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119192-01070	FOOT, MOUNTING	2							
2	1	124411-01080	FOOT, MOUNTING	2							
3	1	22312-080140	PIN, PARALLEL M8X14	4							
4	1	26106-100352	BOLT, M10X 35 PLATED	8							
5	1	26106-100352	BOLT, M10X 35 PLATED	4							
6	1	26106-100702	BOLT, M10X 70 PLATED	4							
7	1	42215-002440	SHIM	1							
11	1	45521-556100	BOLT, M16X284L	4							
12	2	122310-92900	BOLT, FOUNDATION	4							
13	2	22137-160000	WASHER, 16	4							
14	2	22217-160000	WASHER, SPRING 16	4							
15	2	26716-160002	NUT, M16	4							
16	2	45511-552030	NUT, M16	4							
19	1	119171-08100	FOOT, MOUNTING	2							
20	1	119194-08200	FOOT, MOUNTING	2							
21	1	22312-080140	PIN, PARALLEL M8X14	4							
22	1	26106-100302	BOLT, M10X 30 PLATED	16							
23	1	119189-08910	SPACER	6							
24	1	26156-160602	BOLT, M16X 60 PLATED	4							
25	1	119182-08190	SPACER	4							
26	1	119182-08200	SPACER	4							
27	1	119192-08120	PLATE	2							
28	1	119187-08901	BRACKET	4							
29	1	26736-160002	NUT, M16	4							
30	1	26776-160002	NUT, LOCK M16	4							
31	1	119171-08100	FOOT, MOUNTING	2							
32	1	119187-08150	FOOT, MOUNTING	1							
33	1	119187-08160	FOOT, MOUNTING	1							
34	1	119187-08170	PLATE	2							
35	1	22312-080140	PIN, PARALLEL M8X14	4							
36	1	26106-100252	BOLT, M10X 25 PLATED	6							
37	1	26106-100302	BOLT, M10X 30 PLATED	8							
38	1	26106-100302	BOLT, M10X 30 PLATED	10							
39	1	119182-08190	SPACER	4							
40	1	119182-08200	SPACER	4							
41	1	119189-08210	SHIM SET, ADJUSTING	1							
45	1	22117-160000	WASHER, 16	4							
46	1	26156-160552	BOLT, M16X 55 PLATED	4							
47	1	119187-08901	BRACKET	4							
48	1	119189-08910	SPACER	4							
49	1	26736-160002	NUT, M16	4							
50	1	26776-160002	NUT, LOCK M16	4							1
51	1	119192-08440	MOUNT, FLEXIBLE 300	4							

Remarks
(1)Optional parts.

Fig.8. CYLINDER HEAD & BONNET

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719195-11700	HEAD ASSY, CYLINDER	1	1						
5	3	119173-11080	SEAT, INTAKE VALVE	4	4						
6	3	119173-11091	SEAT, VALVE	4	4						
7	3	121850-11160	GUIDE, VALVE	4	4						
8	3	119000-11170	GUIDE, VALVE	4	4						
9	3	23876-005000	PLUG, R005	1	1						
10	3	23876-030000	PLUG, R03	1	1						
11	3	119000-11990	PLUG, 16	4	4						
12	3	119100-11990	PLUG, 28	3	3						
13	3	119885-01990	PLUG, 40	2	2						
14	2	119173-11101	VALVE, INTAKE	4	4						
15	2	119593-11110	VALVE, EXHAUST	4	4						
16	2	124617-11120	SPRING, VALVE OUTER	8	8						
17	2	124617-11130	SPRING, VALVE INNER	8	8						
18	2	121850-11150	SEAL, VALVE STEM	4	4						
19	2	124411-11180	RETAINER, SPRING	8	8						
20	2	27310-090001	COTTER, 9	8	8						
21	2	119171-11370	CAP, VALVE	8	8						
22	2	119175-11910	BOLT	8	8						
23	2	26216-080652	STUD, M8X 65	2	2						
24	2	26216-081402	STUD, M8X140	2	2						
25	2	26366-060002	NUT, M6	8	8						
26	2	26306-080002	NUT, M8	2	2						
27	2	26306-080002	NUT, M8	2	2						
28	2	119171-11150	SEAL, VALVE STEM	4	4						
29	1	119173-11240	SHAFT ASSY, ROCKER	1	1						
31	2	719000-11651	ARM ASSY, ROCKER	8	8						
33	3	119000-11230	SCREW, VALVE ADJUST	8	8						
34	3	129150-11750	NUT, M8	8	8						
36	2	119000-11260	SUPPORT, ROCKER ARM	1	1						
37	2	119000-11270	SUPPORT, ROCKER ARM	3	3						
38	2	119000-11280	SPRING	3	3						
39	2	119000-11290	BOLT	1	1						
40	2	22242-000180	RING, 18	2	2						
41	2	27241-100000	PLUG, 10	2	2						
42	2	119173-11350	SPACER	8	8						
43	1	119593-11870	INSULATOR	4	4						
44	1	119593-11880	SEAT, VALVE	4	4						
45	1	119625-11900	RETAINER, NOZZLE	4	4						
46	1	26106-080652	BOLT, M8X 65 PLATED	6	6						
47	1	119000-07200	LIFTER	1	1						
48	1	26106-100202	BOLT, M10X 20 PLATED	2	2						
48-1	1	26106-100252	BOLT, M10X 25 PLATED	2	2						N
(A=E03293) (B=E03293)											
49	1	124160-01751	COVER, FILLER	1	1						
50	1	119173-11300	BONNET ASSY, HEAD	1	1						
53	2	119100-11320	GASKET, BONNET	1	1						
54	1	24311-000320	O-RING, 1AP32.0	1	1						
55	1	26106-080252	BOLT, M8X 25 PLATED	10	10						
56	1	119172-77160	SUPPORT	1	1						
57	1	26106-100252	BOLT, M10X 25 PLATED	2	2						

Fig.9. SUCTION MANIFOLD & AIR COOLER

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119100-12100	MANIFOLD, AIR INTAKE	1	1						
2	1	119100-12113	GASKET, MANIFOLD	1	1						
3	1	26106-080202	BOLT, M8X 20 PLATED	5	5						
4	1	26106-080702	BOLT, M8X 70 PLATED	3	3						
5	1	26106-081152	BOLT, M8X115 PLATED	1	1						
6	1	719174-18200	COOLER ASSY, INTER	1	1						
7	2	119174-18102	COOLER ASSY, INTER	1	1						
11	3	119174-18240	GASKET	1	1						
12	3	119174-18250	GASKET	1	1						
13	3	119174-18260	GASKET	1	1						
14	3	119174-18270	O-RING, 4D P58	1	1						
15	2	119593-18370	PLUG	2	2						
16	2	123210-09310	GASKET	2	2						
17	2	177301-54900	ZINC, ANTI-CORROSIVE	2	2						
18	2	23414-240000	GASKET, 24X1.0	2	2						
19	2	119620-49290	COCK ASSY, 1/4	1	1						
23	1	26106-080302	BOLT, M8X 30 PLATED	1	1						
24	1	26106-100202	BOLT, M10X 20 PLATED	2	2						
25	1	26216-080162	STUD, M8X 16	4	4						
26	1	26306-080002	NUT, M8	4	4						
27	1	119173-18501	BRACKET	1	1						
28	1	119187-18550	SUPPORT	1	1						
29	1	119189-18571	SUPPORT	1	1						
30	1	121850-77021	GASKET	1	1						
31	1	26106-080162	BOLT, M8X 16 PLATED	4	4						
32	1	26106-080162	BOLT, M8X 16 PLATED	3	3						
33	1	26106-080202	BOLT, M8X 20 PLATED	2	2						
34	1	26106-080202	BOLT, M8X 20 PLATED	1	1						
35	1	26106-080202	BOLT, M8X 20 PLATED	2	2						

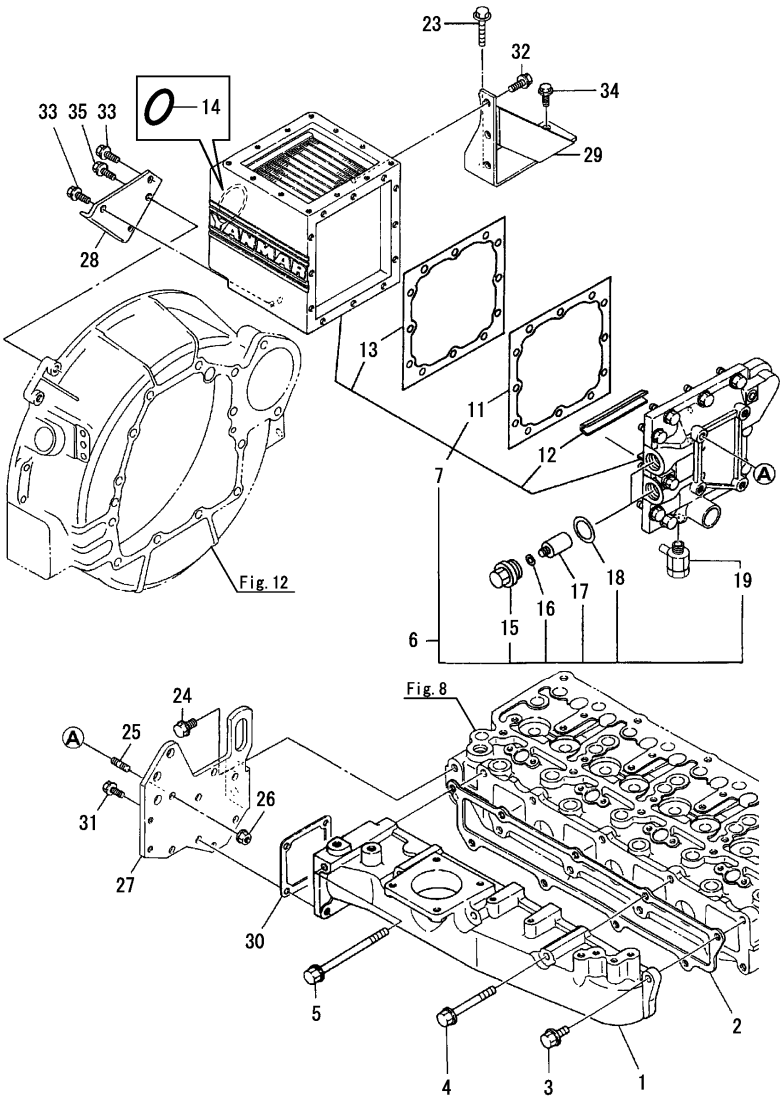
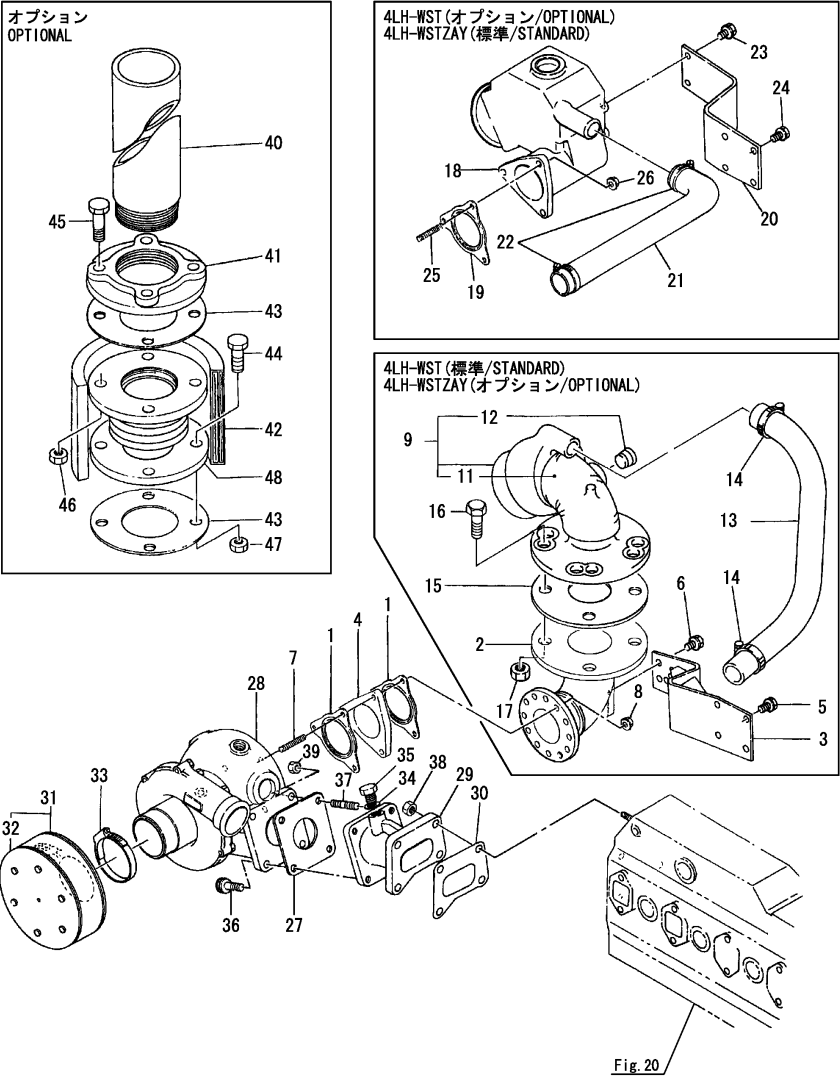


Fig.10. TURBINE & MIXING ELBOW



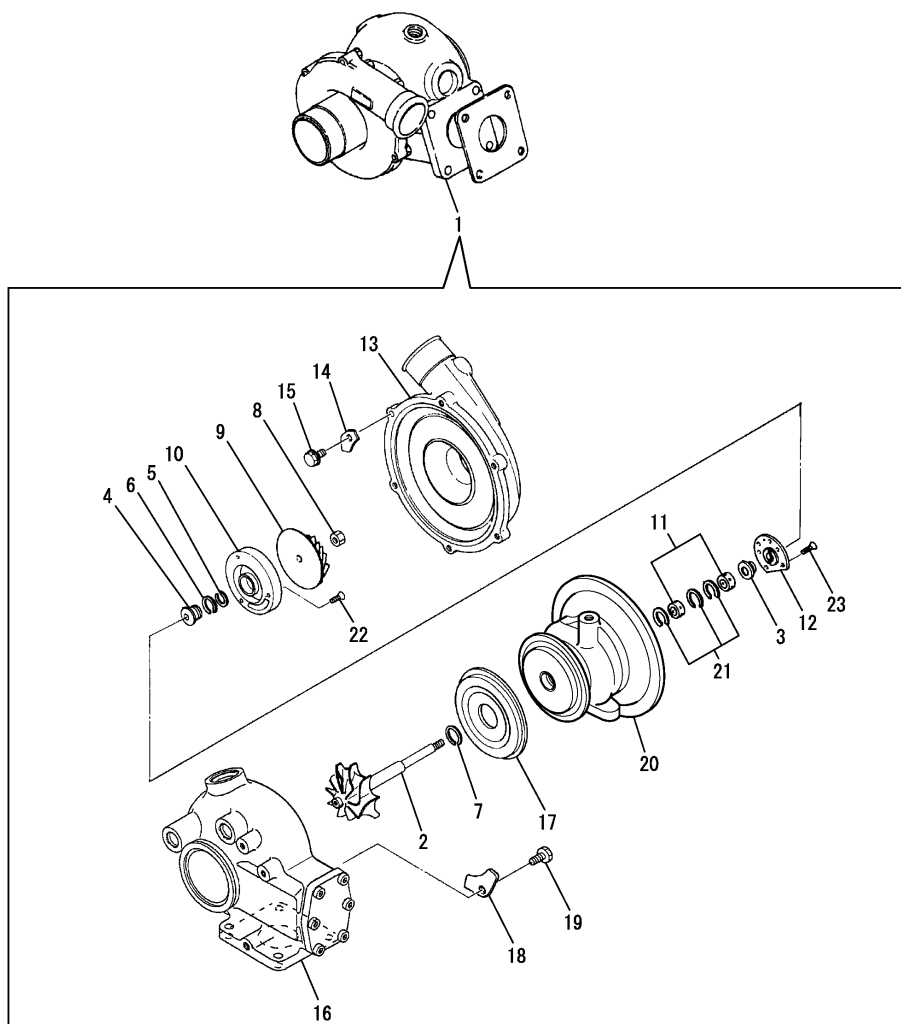
(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119171-13510	GASKET	2	2						1
2	1	119192-18341	BEND, EXHAUST	1	1						1
3	1	119194-18352	SUPPORT	1	1						1
4	1	119192-18360	SPACER	1	1						1
5	1	26106-080162	BOLT, M8X 16 PLATED	2	2						1
6	1	26106-080202	BOLT, M8X 20 PLATED	4	4						1
7	1	26216-080352	STUD, M8X 35	3	3						1
8	1	26306-080002	NUT, M8	3	3						1
9	1	119194-13501	ELBOW ASSY	1	1						1
11	2	119194-13520	MAT	1	1						1
12	2	23878-040000	PLUG	2	2						1
13	1	119194-49011	HOSE, COOLER	1	1						1
14	1	23000-048000	CLAMP, 48	2	2						1
15	1	23440-080000	GASKET, 80	1	1						1
16	1	26113-160452	BOLT, M16X 45	4	4						1
17	1	26713-160002	NUT, M16	4	4						1
18	1	119174-13501	ELBOW	1	1						2
19	1	119171-13510	GASKET	1	1						2
20	1	119174-13553	SUPPORT	1	1						2
21	1	119171-49010	PIPE, WATER	1	1						2
22	1	23000-048000	CLAMP, 48	2	2						2
23	1	26106-080162	BOLT, M8X 16 PLATED	2	2						2
24	1	26106-080202	BOLT, M8X 20 PLATED	4	4						2
25	1	26216-080202	STUD, M8X 20	3	3						2
26	1	26306-080002	NUT, M8	3	3						2
27	1	128300-13230	GASKET, SILENCER	1	1						
28	1	119195-18021	TURBINE, RHC61	1	1						
29	1	119174-18062	BRACKET	1	1						
30	1	119174-18070	GASKET	1	1						
31	1	119195-18860	SILENCER	1	1						
32	2	119195-18880	FILTER, 58MM	1	1						
33	1	127687-18910	CLIP, HOSE	1	1						
34	1	23414-170000	GASKET, 17X1.0	1	1						
35	1	23894-030002	PLUG, G3/8	1	1						
36	1	26203-100302	BOLT, M10X 30 PLATED	2	2						
37	1	26223-100252	STUD, M10X 25	2	2						
38	1	26703-100002	NUT, M10	4	4						
39	1	26703-100002	NUT, M10	2	2						
40	1	123678-13010	PIPE, 90AX1000	1	1						
41	1	123678-13070	JOINT, PIPE	1	1						
42	1	123688-13950	COVER	1	1						
43	1	23440-080000	GASKET, 80	2	2						
44	1	26113-160502	BOLT, M16X 50	4	4						
45	1	26113-160602	BOLT, M16X 60	4	4						
46	1	26713-160002	NUT, M16	4	4						
47	1	26713-160002	NUT, M16	4	4						
48	1	43121-030110	BELLOWS	1	1						

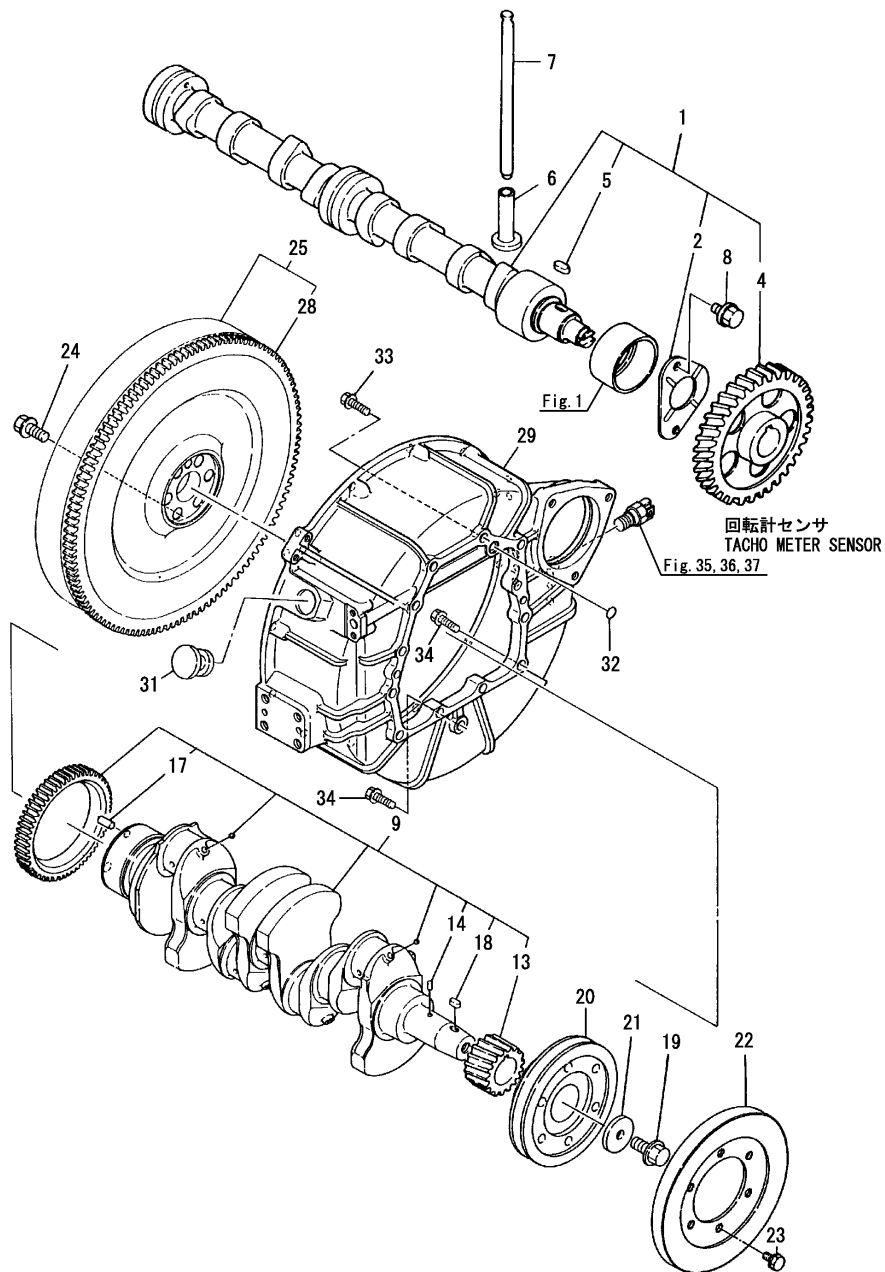
Remarks
(1)Optional parts for 4LH-WSTZY.
(2)Optional parts for 4LH-WST.

Fig.11. TURBINE(INNER PARTS)



No.	Lev.	Parts No.	Description	(A)=4LH-WST	(B)=4LH-WSTZY	(C)=	(D)=	(E)=	(F)=
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	119195-18021	TURBINE, RHC61	1	1				
2	2	XNH261201D	SHAFT,TURBINE	1	1				
3	2	XNH261081	BUSH	1	1				
4	2	XNH261103	OIL THROWER	1	1				
5	2	XNN131008	SEAL RING,BLOW.SIDE	1	1				
6	2	XNN171006	SEAL RING	1	1				
7	2	XNN971007	SEAL RING	1	1				
8	2	XNH261107	NUT,SHAFT END	1	1				
9	2	XNH265520	IMPELLER,COMPRESSOR	1	1				
10	2	XNN193012	PLATE, SEAL	1	1				
11	2	XNH263501	METAL,FLOATING	2	2				
12	2	XNH263502	BEARING, THRUST	1	1				
13	2	XNH264962	HOUSING	1	1				
14	2	XNH164106	BRACKET	6	6				
15	2	XNH164105	BOLT M6	6	6				
16	2	XNH167612	HOUSING,TURBINE	1	1				
17	2	XNH163329	INSULATOR, SILENCER	1	1				
18	2	XNN137423	RETAINER	4	4				
19	2	XNN137007	BOLT, M8	4	4				
20	2	XNH163376	HOUSING, BEARING	1	1				
21	2	XNN977003	RETAINING RING	3	3				
22	2	XNH163006	SCREW M4	3	3				
23	2	XNB133206	SCREW	4	4				

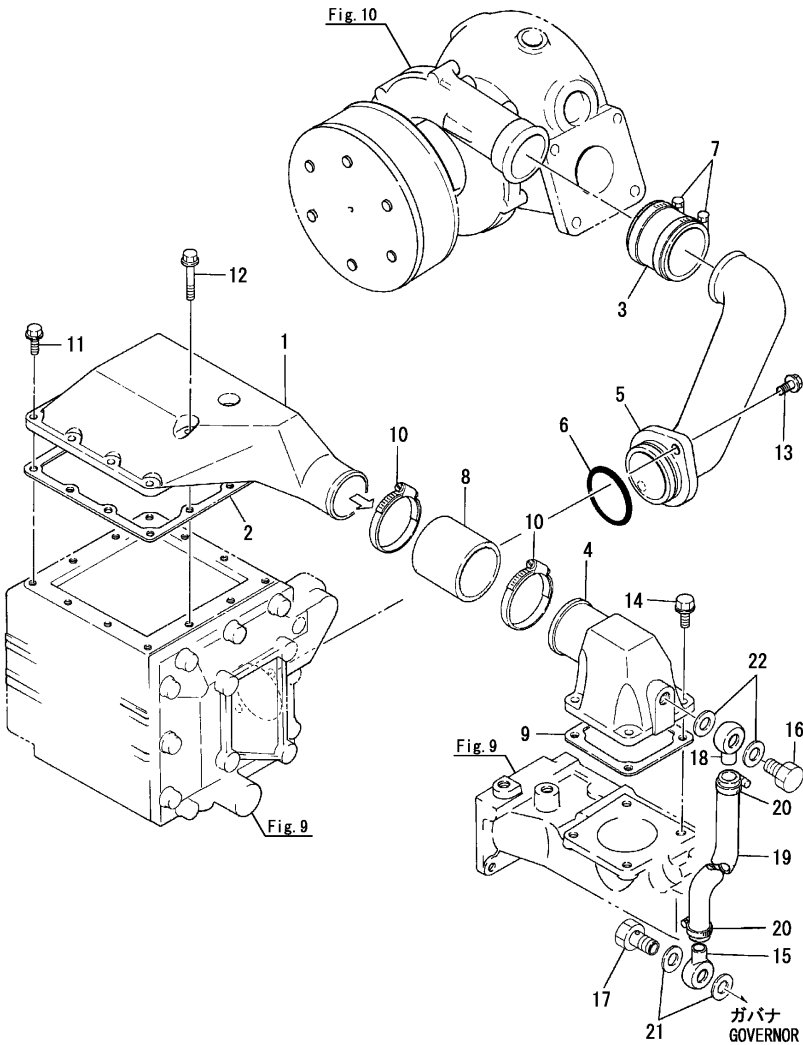
Fig.12. CAMSHAFT & CRANKSHAFT



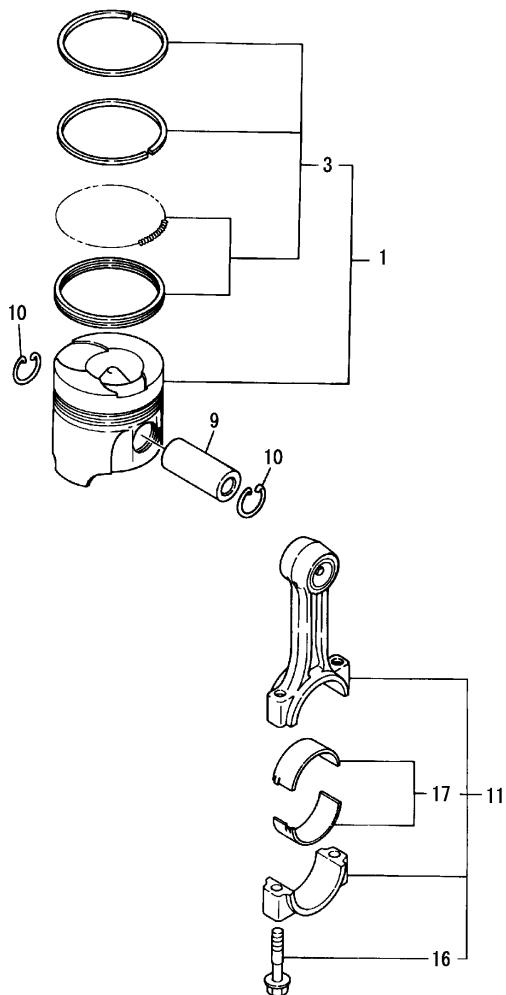
				(A)=4LH-WST (B)=4LH-WSTZY (C)=	(D)= (E)= (F)=					
No.	Lev.	Parts No.	Description	(A)	(B)	Q'ty (C)	(D)	(E)	(F)	I R
1	1	119195-14000	CAMSHAFT ASSY	1	1					
2	2	119000-02450	BEARING, THRUST	1	1					
4	2	119000-14100	GEAR, CAMSHAFT Z=48	1	1					
5	2	22512-070140	KEY, 7X 14	1	1					
6	1	119000-14200	TAPPET	8	8					
7	1	119171-14400	ROD, PUSH L=178	8	8					
8	1	26106-080162	BOLT, M8X 16 PLATED	2	2					
9	1	719189-21700	CRANKSHAFT ASSY	1	1					
13	3	121850-21200	GEAR, CRANKSHAFT	1	1					
14	3	121850-21290	PIN	2	2					
17	2	121850-21920	PIN, M10X22	1	1					
18	2	22512-070140	KEY, 7X 14	1	1					
19	1	121850-21130	BOLT, FLYWHEEL	1	1					
20	1	119187-21650	V-PULLEY	1	1					
21	1	124610-21660	WASHER	1	1					
22	1	124611-28010	DAMPER	1	1					
23	1	26106-100162	BOLT, M10X 16 PLATED	6	6					
24	1	121850-21130	BOLT, FLYWHEEL	6	6					
25	1	119187-21590	FLYWHEEL ASSY	1	1					
28	2	127410-21480	GEAR, RING Z=129	1	1					
29	1	119187-01601	HOUSING, FLYWHEEL	1	1					
31	1	119575-01750	CAP	1	1					
32	1	24311-000160	O-RING, 1AP16.0	1	1					
33	1	26106-100302	BOLT, M10X 30 PLATED	8	8					
34	1	26106-100352	BOLT, M10X 35 PLATED	5	5					

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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

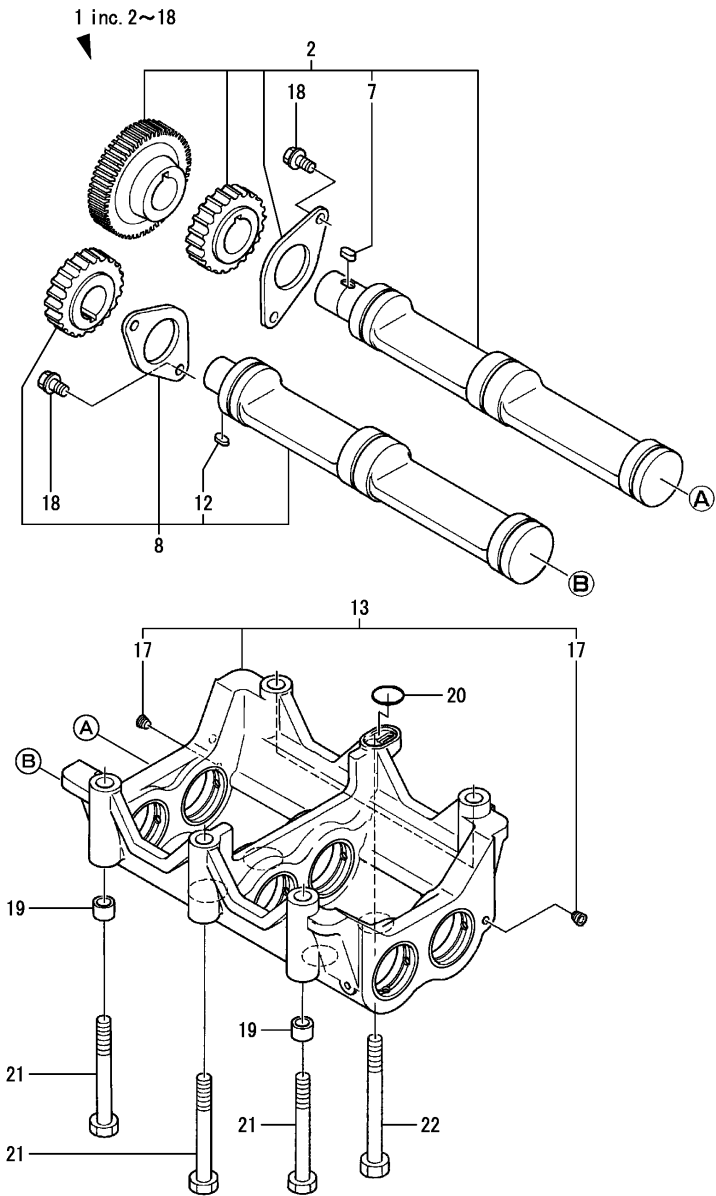


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119174-18110	DUCT, AIR	1	1						
2	1	119174-18120	GASKET, COOLER	1	1						
3	1	119174-18130	HOSE, AIR DUCT	1	1						
4	1	119172-18140	DUCT, AIR	1	1						
5	1	119174-18160	DUCT, AIR	1	1						
6	1	119174-18170	O-RING	1	1						
7	1	127488-18910	CLIP, HOSE	2	2						
8	1	127610-49430	JOINT, RUBBER	1	1						
9	1	121850-77021	GASKET	1	1						
10	1	23000-060000	CLAMP, 60	2	2						
11	1	26106-060202	BOLT, M6X 20 PLATED	10	10						
12	1	26106-060502	BOLT, M6X 50 PLATED	2	2						
13	1	26106-080202	BOLT, M8X 20 PLATED	2	2						
14	1	26106-080202	BOLT, M8X 20 PLATED	4	4						
15	1	129590-18520	JOINT	1	1						
16	1	103854-39140	BOLT, PIPE JOINT	1	1						
17	1	124160-39140	BOLT, PIPE JOINT M10	1	1						
18	1	104264-59020	JOINT	1	1						
19	1	119174-18040	JOINT, RUBBER	1	1						
20	1	124766-59050	CLIP, HOSE 12	2	2						
21	1	23414-100000	GASKET, 10X1.0	2	2						
22	1	23414-120000	GASKET, 12X1.0	2	2						



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119195-22081	PISTON ASSY	4	4						
3	2	719183-22500	RING SET, PISTON	4	4						
9	1	119173-22300	PIN, PISTON	4	4						
10	1	22252-000370	RING, 37	8	8						
11	1	719174-23100	ROD ASSY, CONNECTING	4	4						
16	2	121850-23200	BOLT, CONNECTING ROD	8	8						
17	2	719174-23600	BEARING, CRANK PIN	4	4						

Fig.15. BALANCER



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119100-28000	BALANCER ASSY	1	1						
2	2	119100-28050	SHAFT ASSY, BALANCER	1	1						
7	3	22512-050140	KEY, 5X 14	2	2						
8	2	119100-28060	SHAFT ASSY, BALANCER	1	1						
12	3	22512-050140	KEY, 5X 14	1	1						
13	2	119100-28150	CASE ASSY, BALANCER	1	1						
17	3	23876-005000	PLUG, R005	2	2						
18	2	26106-080142	BOLT, M8X 14 PLATED	4	4						
19	1	121950-28401	PIN	2	2						
20	1	119100-28900	O-RING	1	1						
21	1	26116-121002	BOLT, M12X100 PLATED	3	3						
22	1	119100-28500	BOLT	3	3						

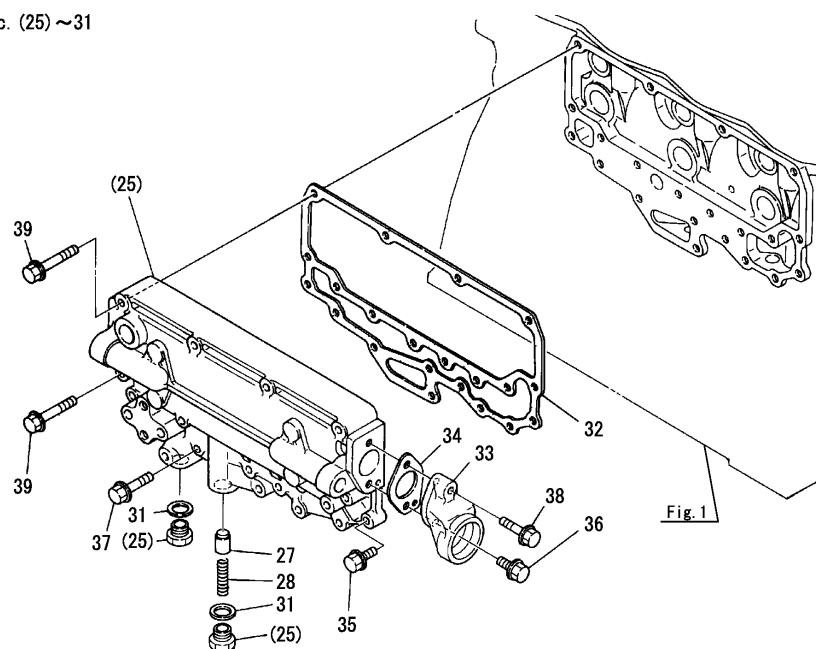
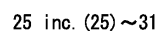
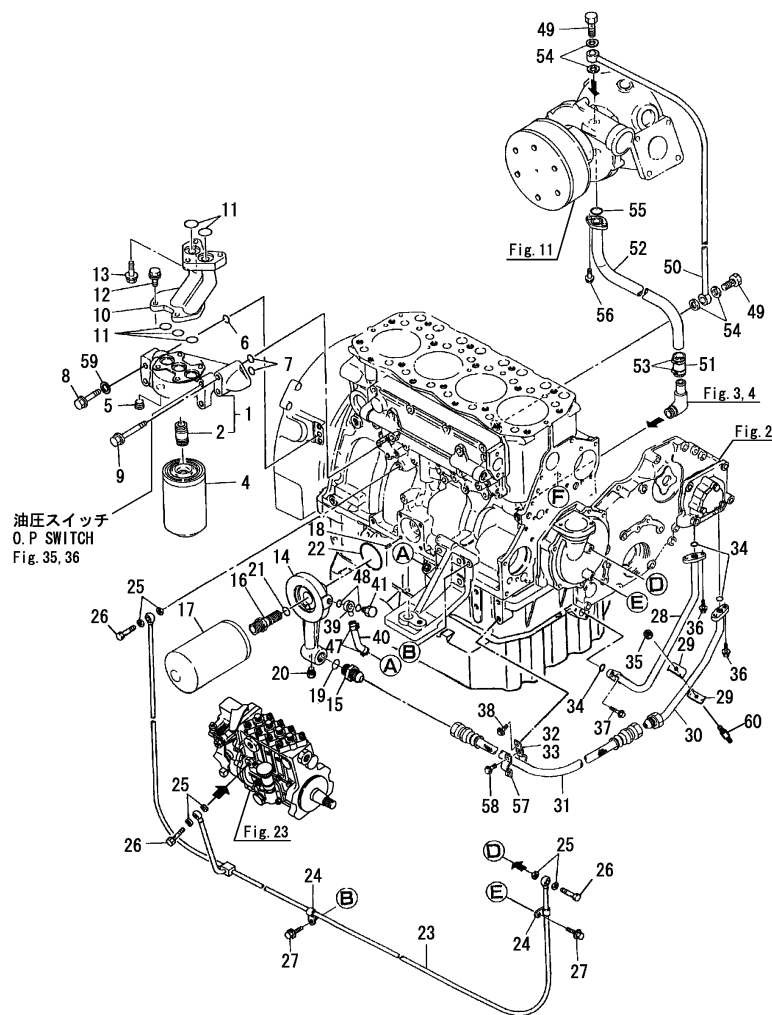


Fig. 1

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719174-33700	COOLER ASSY, OIL	1	1						
2	2	135400-01790	PLUG, M10X1.5	1	1						
3	2	121850-01920	STUD, 2D8X22	4	4						
4	2	119173-33010	BODY, COOLER	1	1						
6	2	119173-33100	COVER, COOLER A	1	1						
7	2	119174-33100	COVER, COOLER B	1	1						
8	2	127495-33190	PIPE ASSY, COOLING	1	1						
15	2	23414-100000	GASKET, 10X1.0	1	1						
16	2	23876-040000	PLUG, R04	2	2						
17	2	24311-000900	O-RING, 1AP90.0	2	2						
18	2	26106-080252	BOLT, M8X 25 PLATED	4	4						
19	2	26306-080002	NUT, M8	4	4						
20	1	119174-33150	BRACKET, COOLER	1	1						
21	1	26212-080162	STUD M 8X 16	3	3						
22	1	26106-080252	BOLT, M8X 25 PLATED	4	4						
23	1	26106-080252	BOLT, M8X 25 PLATED	2	2						
24	1	26106-100252	BOLT, M10X 25 PLATED	1	1						
25	1	719171-33100	CASE ASSY, COOLER	1	1						
27	2	119000-34030	VALVE, CONTROL	1	1						
28	2	124411-35520	SPRING	1	1						
31	2	23414-180000	GASKET, 18X1.0	2	2						
31-1	2	23414-170000	GASKET, 17X1.0	2	2						N
	(A="2017.07.)	(B="2017.07.)									
32	1	119000-33022	GASKET, COOLER CASE	1	1						
33	1	119000-33030	BEND	1	1						
34	1	119000-33041	GASKET, BEND	1	1						
35	1	26106-080202	BOLT, M8X 20 PLATED	3	3						
36	1	26106-080202	BOLT, M8X 20 PLATED	1	1						
37	1	26106-080352	BOLT, M8X 35 PLATED	8	8						
38	1	26106-080352	BOLT, M8X 35 PLATED	1	1						
39	1	26106-080502	BOLT, M8X 50 PLATED	10	10						
40	1	26306-080002	NUT, M8	3	3						

Fig.17. LUB. OIL SYSTEM



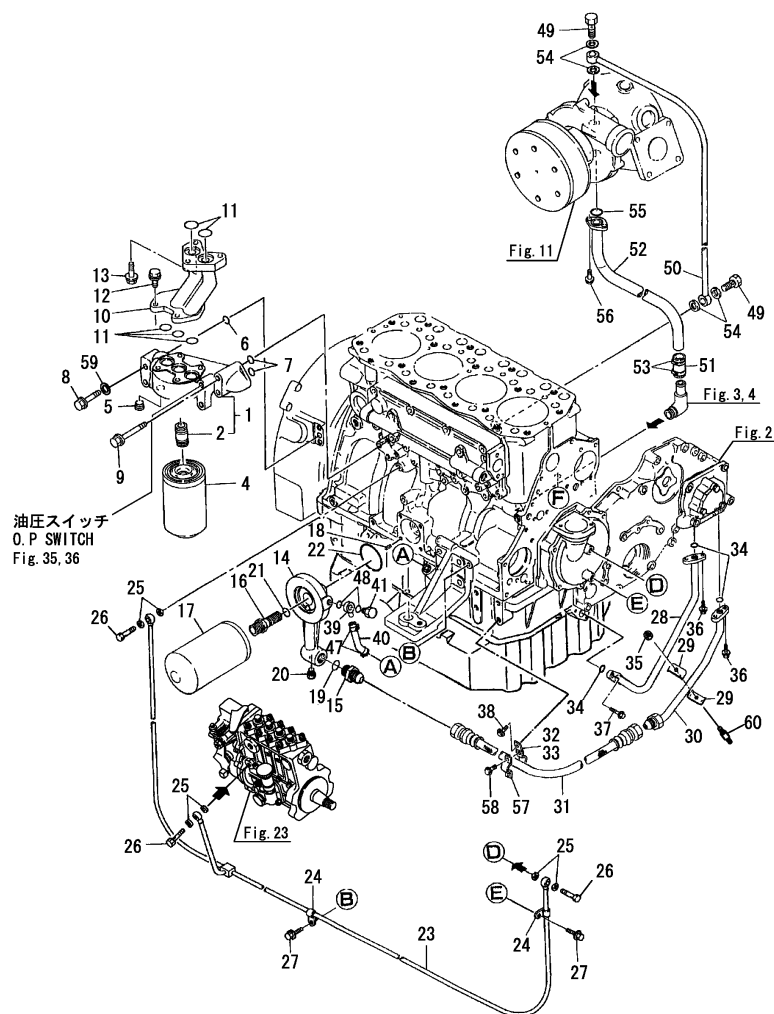
(1)Non-branded filter(without Yanmar logo).
(2)Branded filter(with Yanmar logo).

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119189-35140	BRACKET, FILTER	1	1						
2	2	124610-35140	BRACKET	1	1						
4	1	127695-35150	FILTER, OIL	1	1						1
4-1	1	127695-35160	FILTER, LO	1	1						R 2
5	1	23876-030000	PLUG, R03	1	1						
6	1	24311-000120	O-RING, 1AP12.0	1	1						
7	1	24311-000180	O-RING, 1AP18.0	2	2						
8	1	26106-080502	BOLT, M8X 50 PLATED	2	2						
9	1	26106-081102	BOLT, M8X110 PLATED	2	2						
10	1	119173-39350	PIPE	1	1						
11	1	24321-000250	O-RING, 1AG25.0	5	5						
12	1	26106-080252	BOLT, M8X 25 PLATED	4	4						
13	1	26106-080302	BOLT, M8X 30 PLATED	3	3						
14	1	119174-35250	BRACKET, FILTER	1	1						
15	1	119174-35260	BRACKET	1	1						
16	1	119174-35270	BOLT, FILTER	1	1						
17	1	119174-35400	FILTER ASSY, OIL	1	1						
18	1	22351-060012	PIN, SPRING 6.0X12	2	2						
19	1	23414-180000	GASKET, 18X1.0	1	1						
20	1	23876-020000	PLUG, R02	1	1						
21	1	24311-000160	O-RING, 1AP16.0	1	1						
23	1	119181-39401	PIPE ASSY, OIL	1	1						
24	1	23297-060081	CLAMP, A6X 8	2	2						
25	1	22190-080002	WASHER, SEAL 6	6	6						
26	1	129198-59540	BOLT, PIPE JOINT M8	3	3						
27	1	26106-080122	BOLT, M8X 12 PLATED	2	2						
28	1	119187-39300	PIPE, OIL	1	1						
29	1	119175-39720	CLAMP	2	2						
30	1	119187-39360	PIPE, OIL	1	1						
31	1	119187-39370	HOSE, RUBBER	1	1						
32	1	119194-39500	RETAINER	1							
33	1	119173-39500	RETAINER		1						
34	1	24311-000120	O-RING, 1AP12.0	3	3						
35	1	26366-080002	NUT, M8	2	2						
36	1	26106-080162	BOLT, M8X 16 PLATED	4	4						
37	1	26106-080252	BOLT, M8X 25 PLATED	2	2						
38	1	26106-100162	BOLT, M10X 16 PLATED	1	1						
39	1	129590-18520	JOINT	1	1						
40	1	119174-35300	JOINT, RUBBER	1	1						
41	1	119187-39700	VALVE ASSY, CHECK	1	1						
47	1	23000-013000	CLAMP, 13	2	2						
48	1	23414-100000	GASKET, 10X1.0	2	2						
49	1	121252-39150	BOLT, JOINT M10X1.5	2	2						
50	1	119187-39610	PIPE, OIL	1	1						
51	1	129792-39610	JOINT, RUBBER	1	1						
52	1	119174-39651	PIPE, OIL	1	1						
53	1	23000-025000	CLAMP, 25	2	2						
54	1	23414-100000	GASKET, 10X1.0	4	4						
55	1	24316-000200	O-RING, 4DP20.0	1	1						
56	1	26106-060162	BOLT, M6X 16 PLATED	2	2						
57	1	119173-39510	RETAINER	1	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 ++
 Copyright (C) YANMAR CO., LTD. All Rights Reserved.

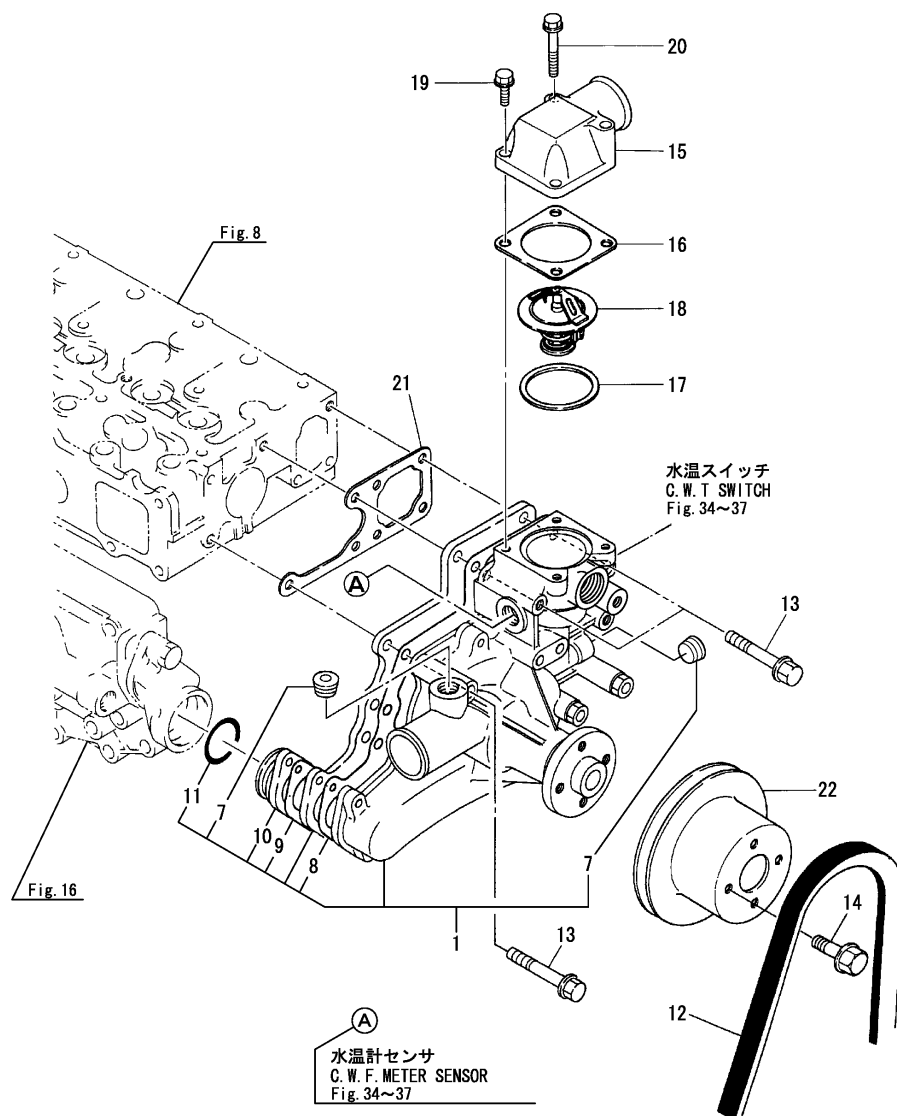


				(A)=4LH-WST			(D)=				
				(B)=4LH-WSTZY			(E)=				
				(C)=			(F)=				
No.	Lev.	Parts No.	Description			Q'ty				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
58	1	26106-060122	BOLT, M6X 12 PLATED	2	2						
59	1	22137-080000	WASHER, 8	2	2						
60	1	119175-39710	BOLT	1	1						

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

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

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



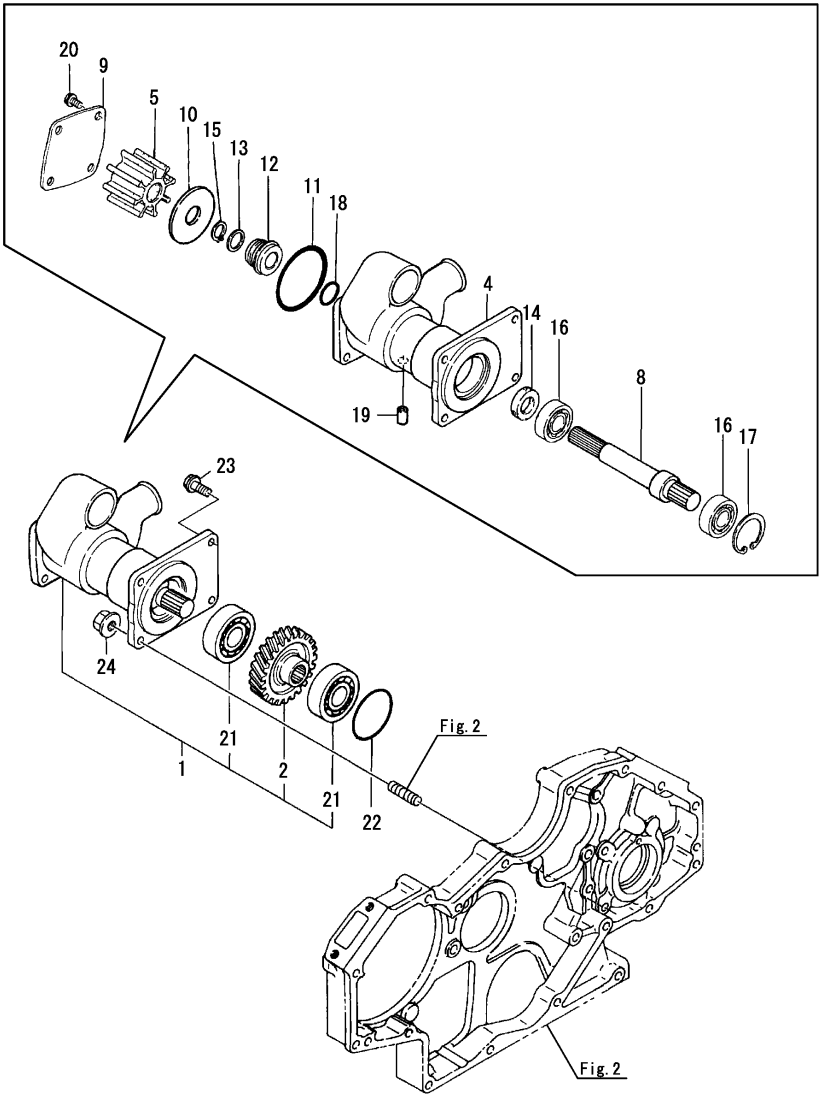
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119171-42003	PUMP ASSY, WATER	1	1						
7	2	23871-030000	PLUG, R03	2	2						
8	2	119000-42051	GASKET, WATER PUMP	1	1						
9	2	119000-42151	GASKET, WATER PUMP	1	1						
10	2	119000-42141	FLANGE	1	1						
11	2	119171-42300	O-RING	1	1						
12	1	121850-42280	V-BELT, A46	1	1						
13	1	26106-080652	BOLT, M8X 65 PLATED	5	5						
14	1	26106-080102	BOLT, M8X 10 PLATED	4	4						
15	1	119171-49530	COVER, THERMOSTAT	1	1						
16	1	121850-49540	GASKET, THERMOSTAT	1	1						
17	1	121850-49550	GASKET, THERMOSTAT	1	1						
18	1	121850-49810	THERMOSTAT, 71	1	1						
19	1	26106-060202	BOLT, M6X 20 PLATED	2	2						
20	1	26106-060452	BOLT, M6X 45 PLATED	2	2						
21	1	119000-42021	GASKET, WATER PUMP	1	1						
22	1	121850-42250	V-PULLEY	1	1						

OCF10-M63300 4LH-WST/WSTZY

Fig.19. COOLING SEA WATER PUMP

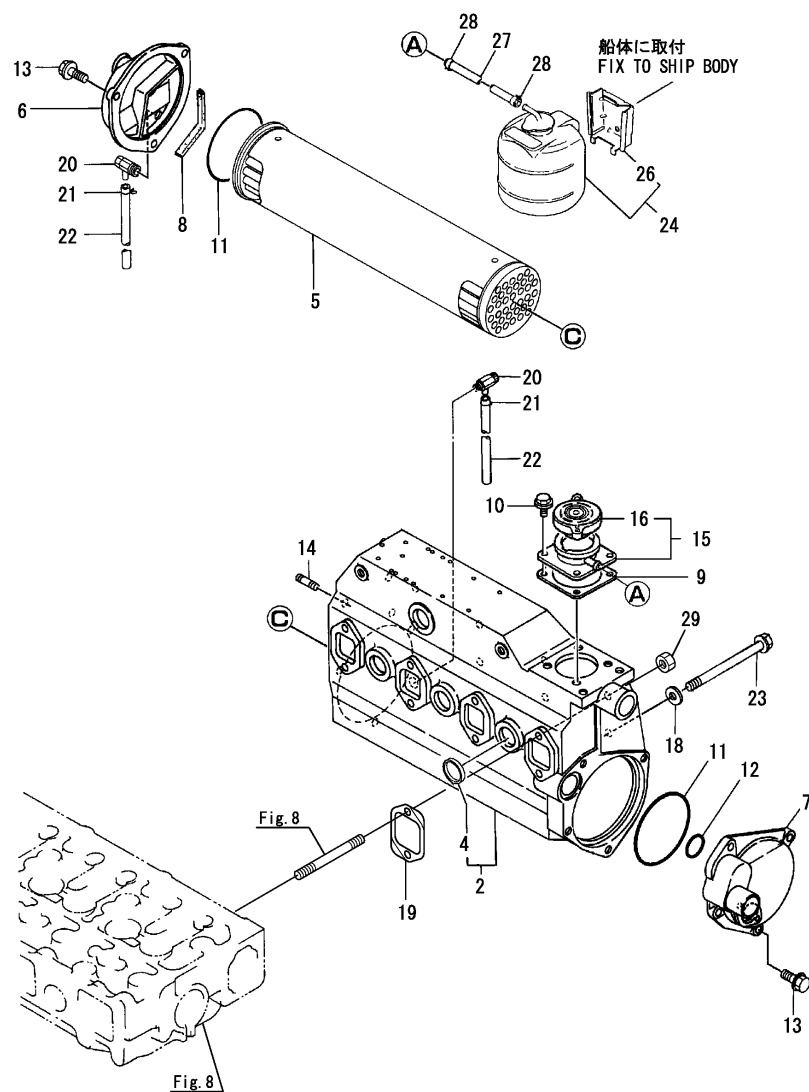
(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719174-42100	PUMP ASSY, WATER	1	1						
2	2	119100-26200	GEAR, PUMP	1	1						
4	3	XKFD4LH4251	BODY, PUMP	1	1						
5	3	123325-42021	IMPELLER	1	1						
8	3	119171-42520	SHAFT, IMPELLER	1	1						
9	3	119171-42530	COVER	1	1						
10	3	XKFD4LH4255	PLATE	1	1						
11	3	24321-000700	O-RING, 1AG70.0	1	1						
12	3	123472-42060	SEAL, MECHANICAL	1	1						
13	3	XKFEM420210	COLLAR	1	1						
14	3	123472-42150	SEAL, TC203508	1	1						
15	3	123472-42140	CIRCLIP	1	1						
16	3	24104-062044	BEARING, BALL 6204UU	2	2						
17	3	22252-000470	RING, 47	1	1						
18	3	24311-000200	O-RING, 1AP20.0	1	1						
19	3	126650-42301	JOINT, DRAIN	1	1						
20	3	26113-060102	BOLT, M6X 10	4	4						
21	2	24101-060064	BEARING, BALL 6006	2	2						
22	1	24341-000800	O-RING, 1AS80.0	1	1						
23	1	26106-080202	BOLT, M8X 20 PLATED	2	2						
24	1	26306-080002	NUT, M8	2	2						

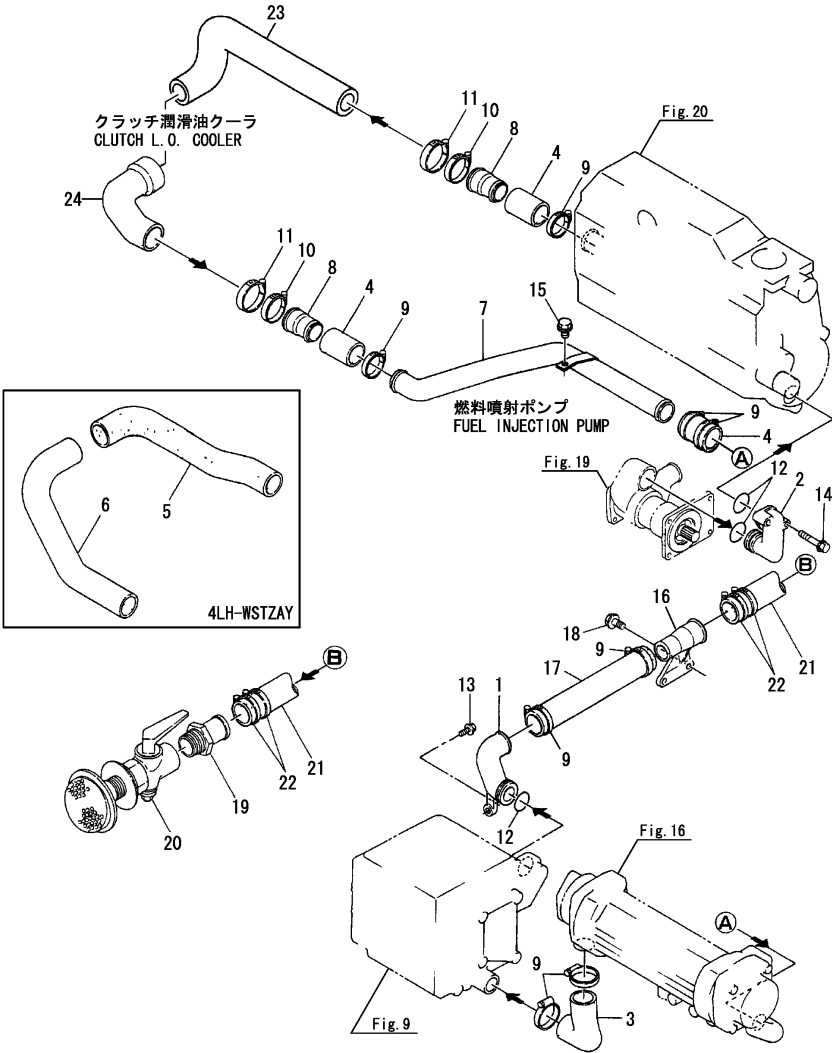
Fig.20. FRESH WATER COOLER & COVER



1 inc. 2~16

No.	Lev.	Parts No.	Description	(A)=4LH-WST (B)=4LH-WSTZY (C)=		(D)= (E)= (F)=			
				(A)	(B)	(C)	(D)	(E)	(F)
1	1	719194-44500	COOLER ASSY	1	1				
2	2	119174-44002	COOLER ASSY, WATER	1	1				
4	3	119773-13160	PLUG, 28	4	4				
5	2	119181-44110	CORE ASSY, COOLER	1	1				
6	2	119174-44440	COVER, COOLER	1	1				
7	2	119174-44450	COVER, COOLER	1	1				
8	2	119174-44470	GASKET	1	1				
9	2	120445-44640	GASKET	1	1				
10	2	26106-080142	BOLT, M8X 14 PLATED	4	4				
11	2	24311-001200	O-RING, 1AP120.0	2	2				
12	2	24321-000300	O-RING, 1AG30.0	1	1				
13	2	26106-080252	BOLT, M8X 25 PLATED	7	7				
14	2	26223-100252	STUD, M10X 25	4	4				
15	2	129171-44600	FILLER ASSY	1	1				
16	3	129107-44590	CAP, RADIATOR	1	1				
18	1	22137-080000	WASHER, 8	6	6				
19	1	119595-13200	GASKET	4	4				
20	1	119620-49290	COCK ASSY, 1/4	2	2				
21	1	124460-77680	RETAINER	2	2				
22	1	23061-070300	PIPE, 7X 300	2	2				
23	1	26116-081402	BOLT, M8X140 PLATED	6	6				
24	1	720445-44200	TANK ASSY, SUB	1	1				
26	2	120445-44540	SUPPORT	1	1				
27	1	124790-44560	PIPE, WATER L=1000	1	1				
28	1	23010-013000	CLAMP 13	2	2				
29	1	26306-080002	NUT, M8	2	2				

Fig.21. COOLING SEA WATER PIPE



(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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

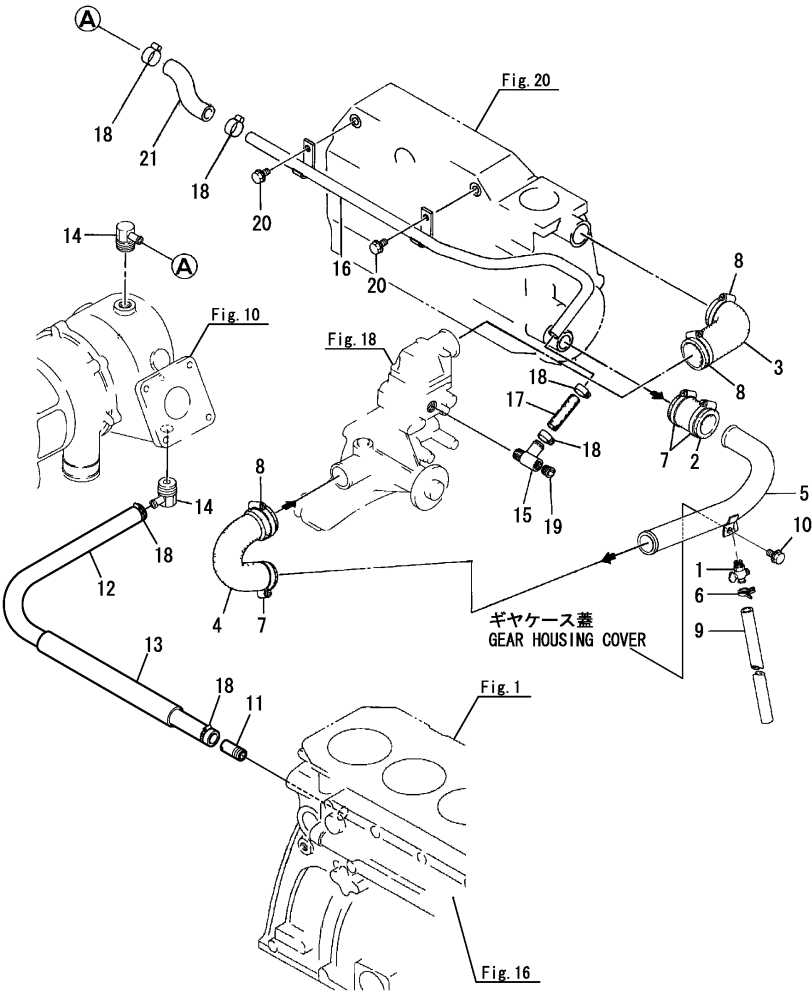
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119174-49060	BEND	1	1						
2	1	119171-49070	BEND	1	1						
3	1	119174-49110	JOINT, RUBBER	1	1						
4	1	120445-49150	JOINT, RUBBER	3	1						
5	1	119189-49700	HOSE, CLUTCH		1						
6	1	119189-49710	HOSE, CLUTCH		1						
7	1	119174-49722	PIPE, WATER	1	1						
8	1	119194-49741	JOINT	2							
9	1	23000-048000	CLAMP, 48	8	8						
10	1	23000-054000	CLAMP, 54	2							
11	1	23000-060000	CLAMP, 60	2							
12	1	24321-000300	O-RING, 1AG30.0	3	3						
13	1	26106-060202	BOLT, M6X 20 PLATED	1	1						1
14	1	26106-060352	BOLT, M6X 35 PLATED	2	2						1
15	1	26106-080122	BOLT, M8X 12 PLATED	1	1						1
16	1	119194-49900	JOINT	1	1						
17	1	119192-49910	HOSE, RUBBER 32X260	1	1						
18	1	26106-080202	BOLT, M8X 20 PLATED	2	2						
19	1	43530-500610	JOINT, PIPE 30A	1	1						
20	1	43662-030031	COCK ASSY, KINGSTON	1	1						
21	1	23072-142000	HOSE, 14X2000	1							
22	1	23000-054000	CLAMP, 54	4							
23	1	119192-49700	HOSE, CLUTCH	1							
24	1	119195-49730	HOSE, CLUTCH	1							

Remarks
(1)ptional parts for 4LH-WSTZY.

Fig.22. COOLING FRESH WATER PIPE

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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



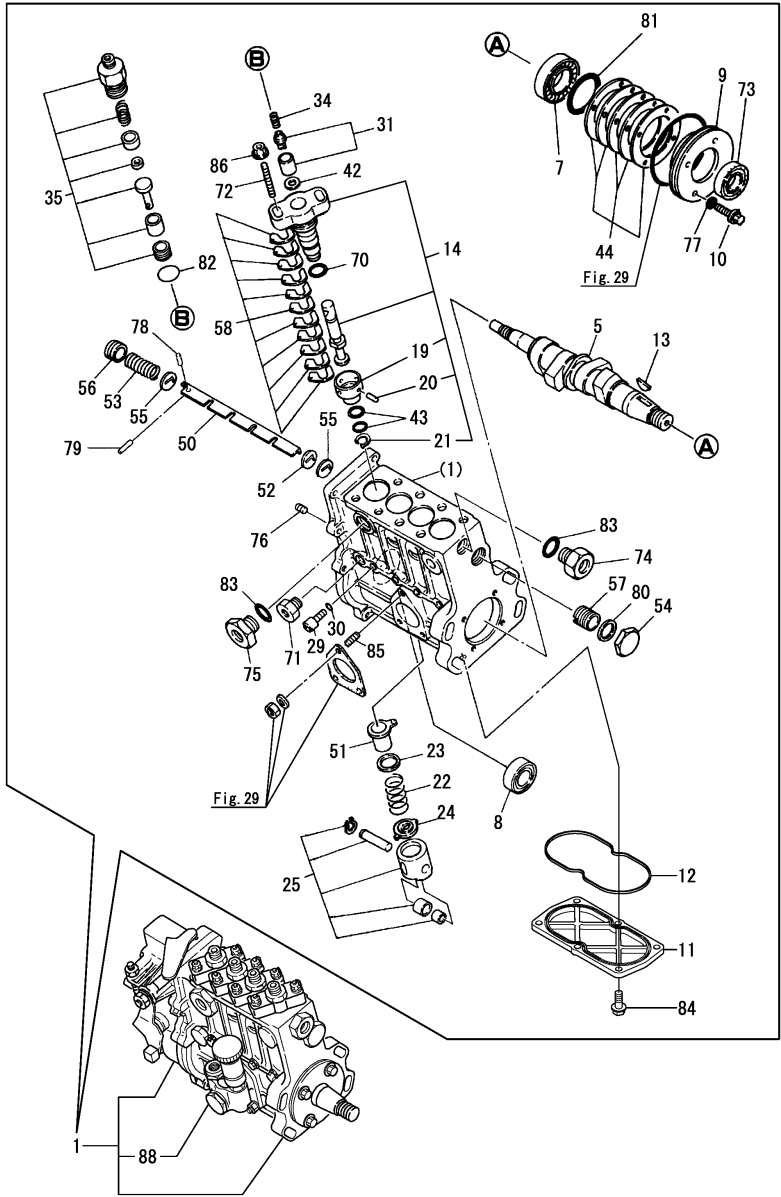
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129670-49290	COCK ASSY, R1/8	1	1						
2	1	120445-49150	JOINT, RUBBER	1	1						
3	1	119174-49250	JOINT, RUBBER 38	1	1						
4	1	119171-49240	JOINT, RUBBER 32/38	1	1						
5	1	119171-49250	PIPE, WATER	1	1						
6	1	124460-77680	RETAINER	1	1						
7	1	119172-48480	CLIP, HOSE 48	3	3						
8	1	119172-48540	CLIP, HOSE 54	3	3						
9	1	23061-070300	PIPE, 7X 300	1	1						
10	1	26106-080162	BOLT, M8X 16 PLATED	1	1						
11	1	104407-44480	JOINT	1	1						
12	1	119187-49300	HOSE, RUBBER	1	1						
13	1	119174-49310	PROTECTOR	1	1						
14	1	119187-49321	JOINT	2	2						
15	1	119187-49331	JOINT	1	1						
16	1	119174-49341	PIPE, WATER	1	1						
17	1	119187-49360	HOSE, RUBBER	1	1						
18	1	119172-48250	CLIP, HOSE 25	6	6						
19	1	23875-030000	PLUG, R03	1	1						
20	1	26106-080162	BOLT, M8X 16 PLATED	2	2						
21	1	119187-49350	HOSE, RUBBER	1	1						

OCF10-M63300 4LH-WST/WSTZY

Fig.23. FUEL INJECTION PUMP

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719195-51300	PUMP ASSY, INJECTION	1	1						1
5	3	119175-51030	CAMSHAFT	1	1						
7	3	119000-51050	BEARING, HR32005XJ	1	1						
8	3	122710-51050	BEARING, HR30203J	1	1						
9	3	119000-51060	SUPPORT, BEARING A	1	1						
10	3	119175-51070	BOLT, M6X20	4	4						
11	3	119100-51081	COVER	1	1						
12	3	119100-51091	GASKET	1	1						
13	3	144626-51090	FEATHER KEY, 5X19	1	1						
14	3	119593-51100	PLUNGER ASSY	4	4						
19	4	119000-51151	PROTECTOR	4	4						
20	4	119000-51430	PIN	4	4						
21	4	22242-000200	RING, 20	4	4						
22	3	119000-51161	SPRING, PLUNGER	4	4						
23	3	119000-51170	SEAT, SPRING A	4	4						
24	3	119000-51181	SEAT, SPRING B	4	4						
25	3	119573-51200	TAPPET ASSY	4	4						
29	3	158600-51270	STOPPER, TAPPET	4	4						
30	3	129155-51280	O-RING, S6	4	4						
31	3	119593-51300	VALVE ASSY, DELIVERY	4	4						
34	3	119000-51330	SPRING, DELIVERY	4	4						
35	3	119175-51340	VALVE ASSY, DELIVERY	4	4						
42	3	122710-51350	GASKET	4	4						
43	3	119000-51411	O-RING	8	8						
44	3	119000-51450	SHIM SET, CAMSHAFT	1	1						
50	3	119187-51500	RACK, CONTROL	1	1						
51	3	119000-51511	SLEEVE, CONTROL	4	4						
52	3	119593-51520	WASHER	1	1						
53	3	119593-51530	SPRING, RACK	1	1						
54	3	119000-51550	COVER	1	1						
55	3	119000-51570	GUIDE, RACK	2	2						
56	3	119000-51580	SCREW	1	1						
57	3	119000-51590	SCREW	1	1						
58	3	119000-51650	SHIM SET, ADJUSTING	8	8						
70	3	158563-51662	O-RING, 4D S26	4	4						
71	3	121850-51700	BUSH	1	1						
72	3	119000-51800	BOLT	8	8						
73	3	119000-51900	SEAL, AC1290E0	1	1						
74	3	121952-51900	PLUG	1	1						
75	3	121952-51900	PLUG	1	1						
76	3	137600-53900	SCREW, M6X6	1	1						
77	3	22190-060000	WASHER, SEAL 6	4	4						
78	3	22351-020008	PIN, SPRING 2.0X 8	1	1						
79	3	22351-020012	PIN, SPRING 2.0X12	1	1						
80	3	23414-220029	GASKET, 22X1.0	1	1						
81	3	24341-000500	O-RING, 1AS50.0	1	1						
82	3	24356-190150	O-RING, 4D19015	4	4						
83	3	24356-190160	O-RING, 4D19016	2	2						
84	3	26106-060182	BOLT, M6X 18 PLATED	6	6						
85	3	26216-060162	STUD, M6X 16	3	3						
86	3	26366-080002	NUT, M8	8	8						

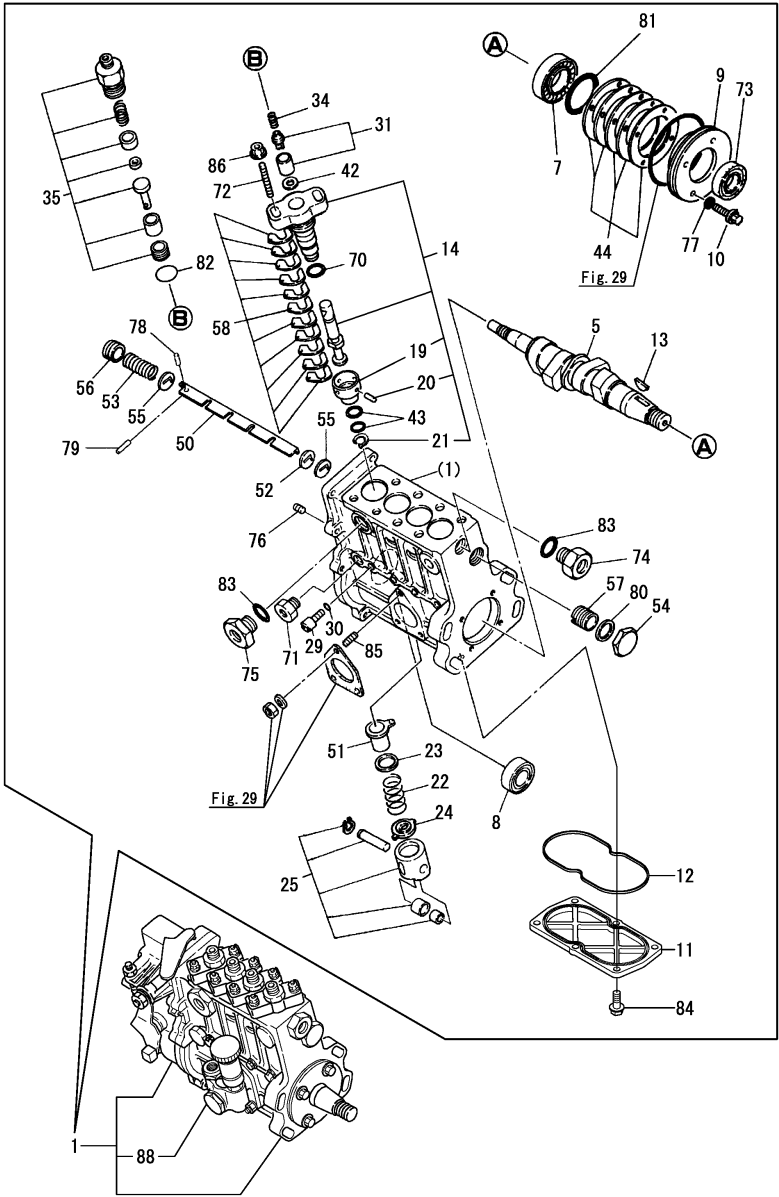
Remarks

(1)Governor(Fig.24) & Fuel Feed Pump(Fig.25) is incorporated in this Fuel Injection Pump(No.1).

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

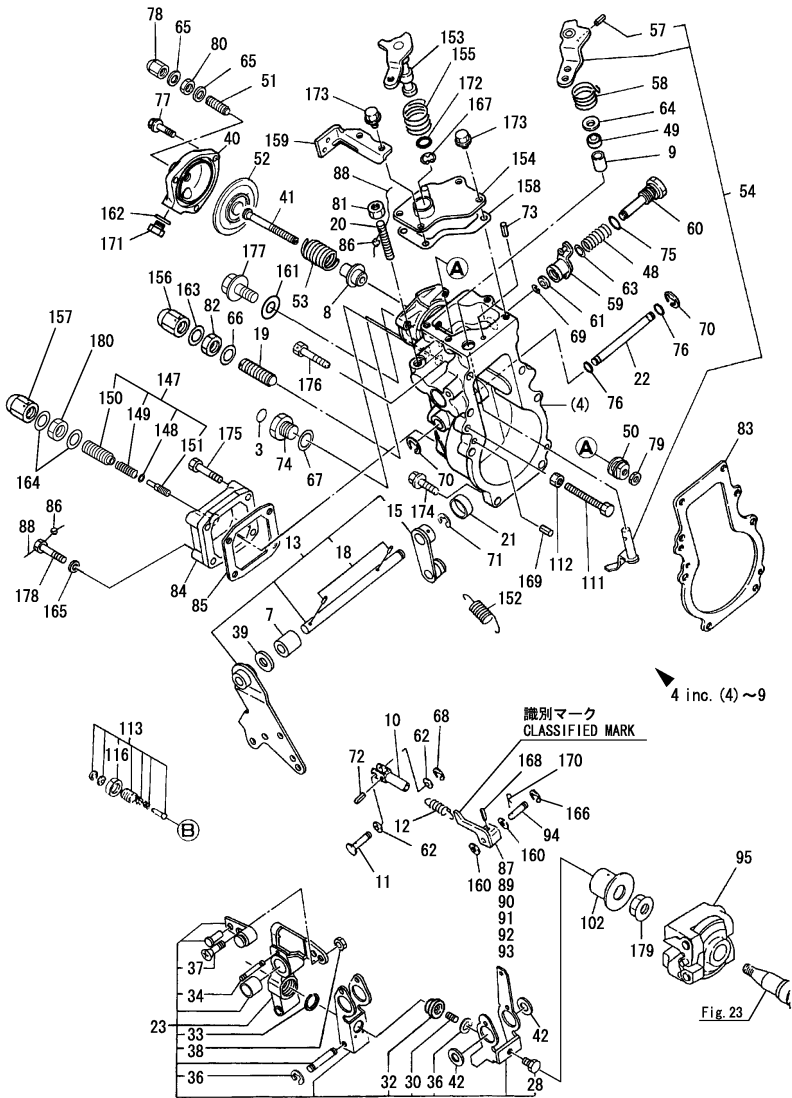
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
88	2	119593-52000	PUMP ASSY, FUEL FEED	1	1						



Remarks
(1)Governor(Fig.24) & Fuel Feed Pump(Fig.25) is incorporated in this Fuel Injection Pump(No.1).

Fig.24. GOVERNOR



Remarks
(1)Pitch 51
(2)Pitch 52
(3)Pitch 53
(4)Pitch 51.5
(5)Pitch 52.5
(6)Pitch 53.5

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

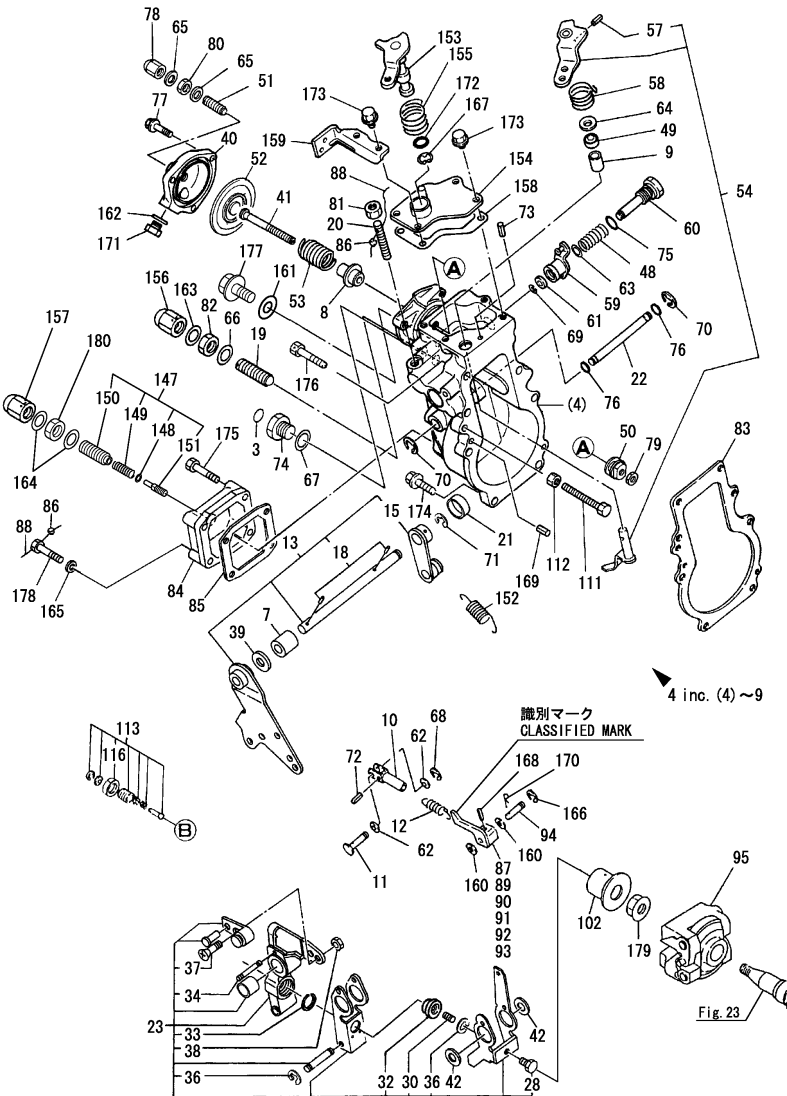
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
3	3	124610-51970	LABEL, OIL FEED	1	1						
4	3	119573-61030	CASE, GOVERNOR	1	1						
7	4	120323-61430	BUSH	2	2						
8	4	129595-61610	BUSH, GUIDE	1	1						
9	4	127695-61840	BUSH, STOP LEVER	1	1						
10	3	119000-61120	LINK, LEVER	1	1						
11	3	119595-61170	PIN, LINK	1	1						
12	3	119187-61190	SPRING, LINK	1	1						
13	3	119173-61400	LEVER ASSY, CONTROL	1	1						
15	4	120323-61420	LEVER, SPRING	1	1						
18	4	22322-030220	PIN, TAPER 3X22	2	2						
19	3	127695-61450	BOLT, FUEL CONTROL	1	1						
20	3	121850-61470	BOLT, LIMITER	1	1						
21	3	129795-61470	PLUG, 20	1	1						
22	3	119000-61490	SHAFT,GOVERNOR LEVER	1	1						
23	3	119195-61500	LEVER ASSY, GOVERNOR	1	1						
28	4	127495-61540	SHIFTER	1	1						
30	4	119594-61601	SPRING, FUEL CONTROL	1	1						
32	4	119187-61911	RETAINER, SPRING	1	1						
33	4	119187-61920	CIRCLIP	1	1						
34	4	119187-61930	PIN, LEVER	1	1						
36	4	22272-000040	RING, E- 4	5	5						
37	4	26577-060162	SCREW, M6X16	1	1						
38	4	26716-060002	NUT, M6	1	1						
39	3	120320-61540	SEAL, OIL SC102004	1	1						
40	3	129595-61600	CASE, DIAPHRAGM	1	1						
41	3	129595-61620	ROD, SLIDER	1	1						
42	3	119000-61630	SHIM SET	2	2						
48	3	119593-61650	SPRING, LEVER RETURN	1	1						
49	3	148616-61650	SEAL, OIL VC081404	1	1						
50	3	127495-61660	RING, ADJUSTER	1	1						
51	3	129595-61671	BOLT, ADJUSTER	1	1						
52	3	129595-61681	DIAPHRAGM ASSY	1	1						
53	3	119593-61760	SPRING, DIAPHRAGM	1	1						
54	3	119593-61800	LEVER ASSY, STOP	1	1						
57	4	22351-030016	PIN, SPRING 3.0X16	1	1						
58	3	119593-61830	SPRING, RETURN	1	1						
59	3	119594-61850	LEVER, BOOSTER SET	1	1						
60	3	119593-61860	SHAFT, SET LEVER	1	1						
61	3	119593-61890	SPACER	1	1						
62	3	22117-050000	WASHER, 5	2	2						
63	3	22117-080000	WASHER, 8	1	1						
64	3	22137-080000	WASHER, 8	1	1						
65	3	22190-080002	WASHER, SEAL 8	2	2						
66	3	22190-120002	WASHER, SEAL 12	1	1						
67	3	22190-160002	WASHER, SEAL 16	1	1						
68	3	22272-000040	RING, E- 4	1	1						
69	3	22272-000060	RING, E- 6	1	1						
70	3	22272-000080	RING, E- 8	2	2						
71	3	22272-000080	RING, E- 8	1	1						
72	3	22351-030016	PIN, SPRING 3.0X16	1	1						

Fig.24. GOVERNOR

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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



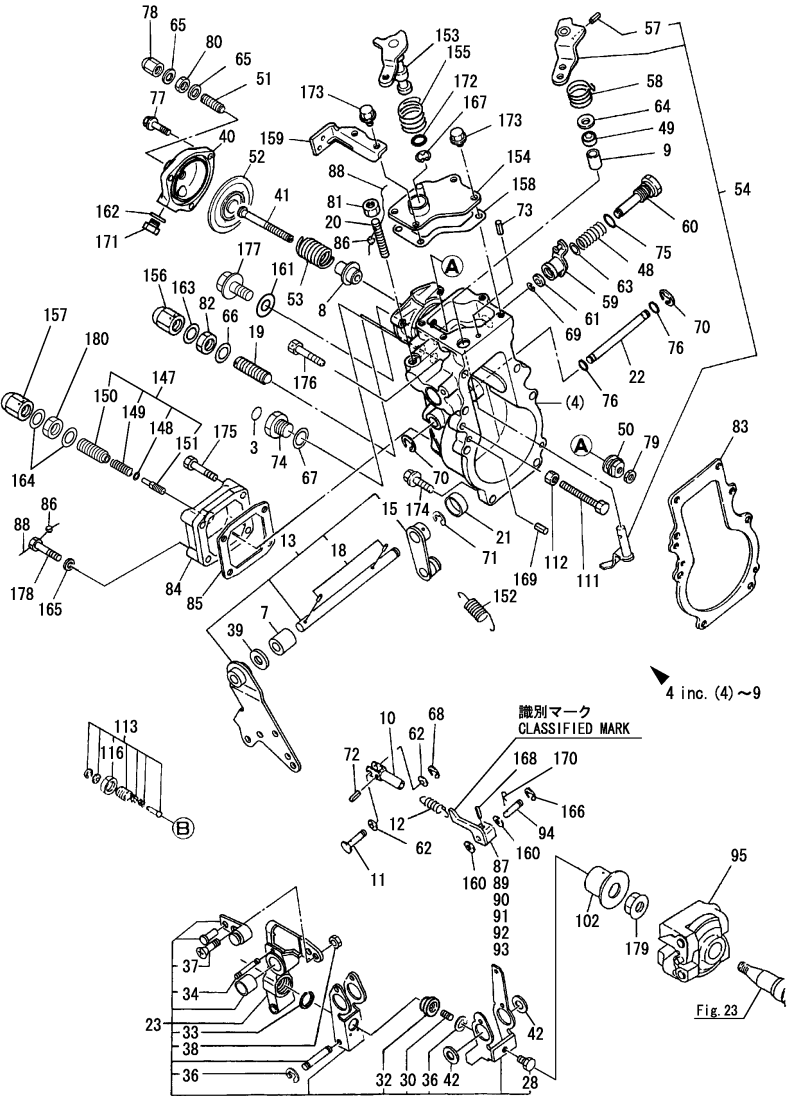
Remarks
(1)Pitch 51
(2)Pitch 52
(3)Pitch 53
(4)Pitch 51.5
(5)Pitch 52.5
(6)Pitch 53.5

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
73	3	22492-060362	PIN, B6X36	1	1						
74	3	23887-160002	PLUG, 16	1	1						
75	3	24311-000120	O-RING, 1AP12.0	1	1						
76	3	24341-000080	O-RING, 1AS8.0	2	2						
77	3	26106-060182	BOLT, M6X 18 PLATED	3	3						
78	3	26667-080002	NUT, CAP M8	1	1						
79	3	26716-060002	NUT, M6	1	1						
80	3	26756-080002	NUT, LOCK M8	1	1						
81	3	26756-080002	NUT, LOCK M8	1	1						
82	3	26777-120002	NUT, LOCK M12	1	1						
83	2	119000-61052	GASKET, CASE	1	1						
84	2	119187-61071	COVER, GOVERNOR CASE	1	1						
85	2	127695-61071	GASKET, COVER	1	1						
86	2	114780-61090	TIN	3	3						
87	2	119593-61100	LINK, RACK	1	1						1
88	2	120325-61100	WIRE, 1.0	3	3						
89	2	119593-61110	LINK, RACK	1	1						2
90	2	119593-61120	LINK, RACK	1	1						3
91	2	119593-61130	LINK, RACK 10.5	1	1						4
92	2	119593-61140	LINK, RACK 11.5	1	1						5
93	2	119593-61150	LINK, RACK 12.5	1	1						6
94	2	119000-61180	PIN, LINK	1	1						
95	2	119187-61201	WEIGHT ASSY,GOVERNOR	1	1						
102	2	119187-61300	SLEEVE ASSY	1	1						
111	2	171353-61460	BOLT, IDLE LIMIT	1	1						
112	2	119000-61470	NUT, LOCK M6	1	1						
113	2	119174-61550	ANGLEICH ASSY	1	1						
116	3	124616-61580	NUT, LOCK	1	1						
147	2	127695-61551	IDLE ASSY, SUB	1	1						
147-1	2	127695-61552	SPRING ASSY,IDLE SUB	1	1						R
(A=*2015.07)											
148	3	158601-61510	SPACER, PIN	1	1						
149	3	127695-61560	SPRING, IDLE SUB	1	1						
150	3	119187-61651	BOLT, IDLE SUB	1	1						
151	3	119187-61661	PIN, IDLE SUB	1	1						
152	2	119594-61700	SPRING, GOVERNOR	1	1						
153	2	119593-61900	LEVER, CANCEL	1	1						
154	2	119593-61910	COVER, UPPER	1	1						
155	2	119593-61920	SPRING, RETURN	1	1						
156	2	129100-61930	NUT	1	1						
157	2	129100-61930	NUT	1	1						
158	2	127695-61961	GASKET, UPPER COVER	1	1						
159	2	119593-61990	SUPPORT, WIRE	1	1						
160	2	22117-050000	WASHER, 5	2	2						
161	2	22190-080002	WASHER, SEAL 8	1	1						
162	2	22190-100002	WASHER, SEAL 10	1	1						
163	2	22190-120002	WASHER, SEAL 12	1	1						
164	2	22190-120002	WASHER, SEAL 12	2	2						
165	2	22217-060000	WASHER, SPRING 6	1	1						
166	2	22272-000040	RING, E- 4	1	1						
167	2	22276-000100	RING, E-10	1	1						

Fig.24. GOVERNOR

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
168	2	22351-030025	PIN, SPRING 3.0X25	1	1						
169	2	22351-050020	PIN, SPRING 5.0X20	2	2						
170	2	22372-050000	PIN, SNAP 5	1	1						
171	2	23887-100002	PLUG, 10	1	1						
172	2	24311-000110	O-RING, 1AP11.0	1	1						
173	2	26106-060122	BOLT, M6X 12 PLATED	4	4						
174	2	26106-060222	BOLT, M6X 22 PLATED	6	6						
175	2	26106-060302	BOLT, M6X 30 PLATED	3	3						
176	2	26106-060356	BOLT, M6X 35 PLATED	1	1						
177	2	26106-080122	BOLT, M8X 12 PLATED	1	1						
178	2	26116-060306	BOLT, M6X 30 PLATED	1	1						
179	2	26376-120002	NUT, M12	1	1						
180	2	26777-120002	NUT, LOCK M12	1	1						

Remarks
(1)Pitch 51
(2)Pitch 52
(3)Pitch 53
(4)Pitch 51.5
(5)Pitch 52.5
(6)Pitch 53.5

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119593-52000	PUMP ASSY, FUEL FEED	1	1						
2	2	121820-52020	BODY ASSY, PUMP	1	1						
4	3	121820-52040	SEAL, OIL	1	1						
5	3	121820-52050	GASKET	2	2						
6	2	121820-52070	PIN	1	1						
14	2	135200-52170	PISTON	1	1						
15	2	119588-52180	SPRING, VALVE	1	1						
16	2	119588-52190	RETAINER, SPRING	1	1						
17	2	119593-52180	SPRING, VALVE	1	1						
18	2	121820-52200	GASKET, 25	1	1						
19	2	121820-52210	VALVE	2	2						
20	2	121820-52230	RETAINER, SPRING	1	1						
21	2	124410-51861	GASKET	1	1						
22	2	121820-52300	PUMP, PRIMING	1	1						
23	2	121820-52510	SPRING, VALVE	2	2						
24	2	22217-060000	WASHER, SPRING 6	3	3						
25	2	26716-060002	NUT, M6	3	3						

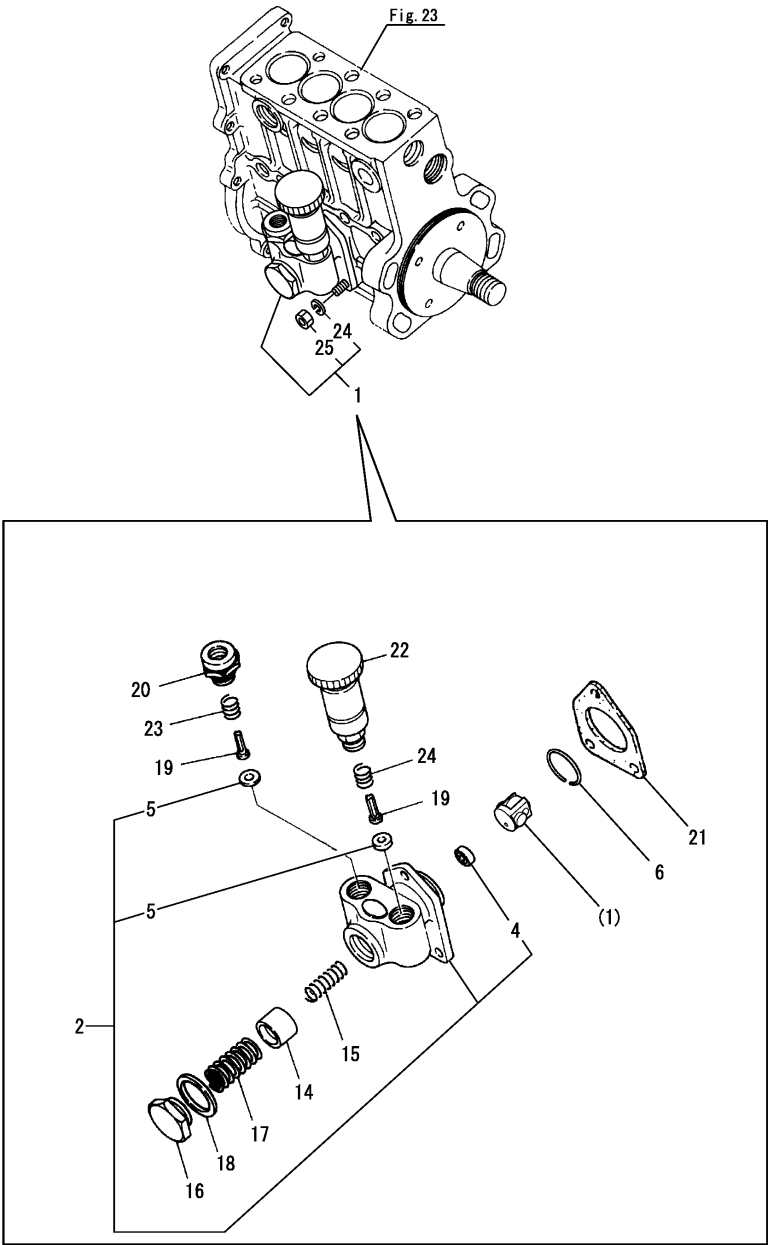
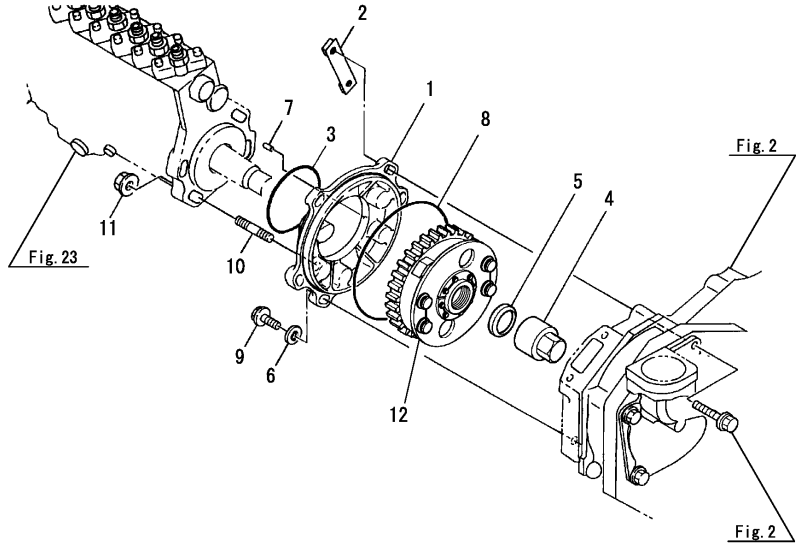


Fig.26. TIMER & FUEL INJECTION PUMP MOUNT

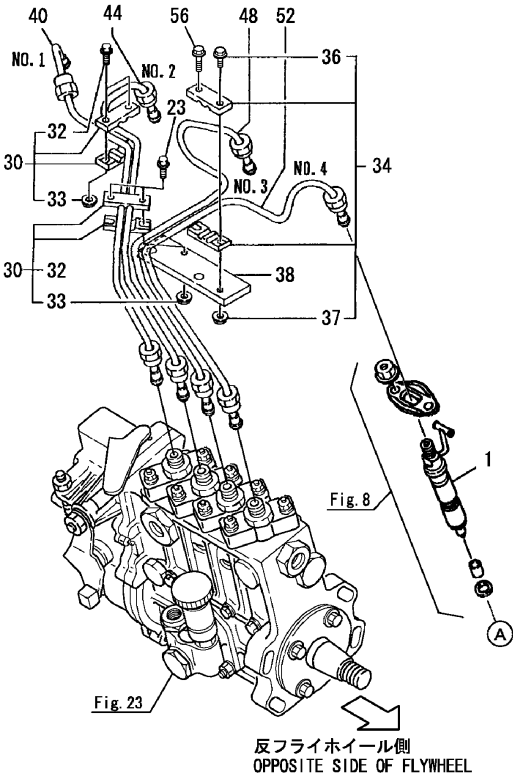
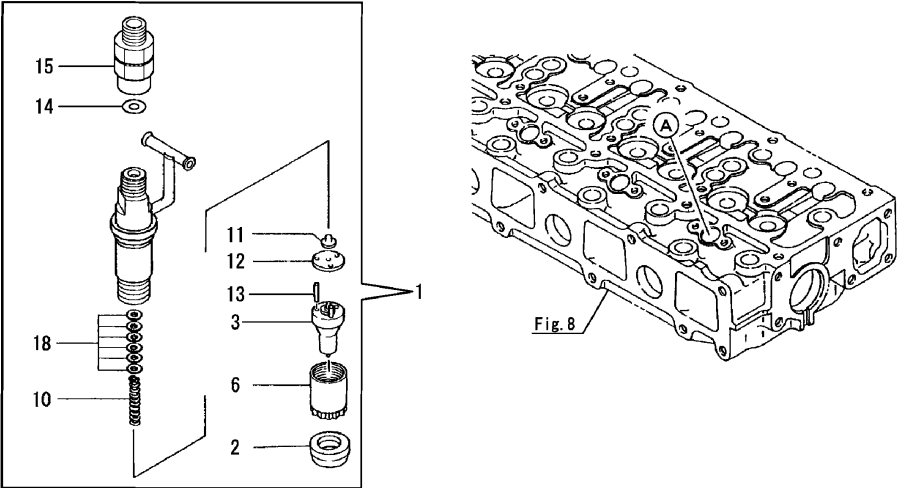


				OCF10-M63300 Fig.26							
				(A)=4LH-WST (B)=4LH-WSTZY (C)=		(D)= (E)= (F)=					
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119000-25910	BRACKET, PUMP	1	1						
2	1	119000-25920	RETAINER	1	1						
3	1	124410-51960	O-RING	1	1						
4	1	144606-54900	NUT, CAP	1	1						
5	1	144606-54910	WASHER	1	1						
6	1	106100-55800	WASHER	3	3						
7	1	22351-050012	PIN, SPRING 5.0X12	1	1						
8	1	24341-001350	O-RING, 1AS135.0	1	1						
9	1	26106-080252	BOLT, M8X 25 PLATED	3	3						
10	1	26226-100322	STUD, M10X 32	4	4						
11	1	26306-100002	NUT, M10	4	4						
12	1	719175-54102	TIMER ASSY(4LH-STE	1	1						

Fig.27. FUEL INJECTION VALVE & FUEL INJECTION PIPE

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719195-53100	VALVE ASSY,INJECTION	4	4						
2	2	129470-11920	GASKET	4	4						
3	2	119195-53000	NOZZLE ASSY	4	4						
6	2	119593-53080	NUT, NOZZLE	4	4						
10	2	119593-53120	SPRING, NOZZLE	4	4						
11	2	119593-53130	SEAT, SPRING	4	4						
12	2	119593-53140	PLATE	4	4						
13	2	114250-53210	PIN	8	8						
14	2	119594-53290	GASKET	4	4						
15	2	119175-53300	JOINT ASSY	4	4						
18	2	114250-53400	SHIM SET	4	4						
30	1	122780-59080	RETAINER ASSY	3	3						
32	2	26106-060202	BOLT, M6X 20 PLATED	6	6						
33	2	26366-060002	NUT, M6	6	6						
34	1	123372-59080	RETAINER	1	1						
36	2	26106-060202	BOLT, M6X 20 PLATED	2	2						
37	2	26366-060002	NUT, M6	2	2						
38	1	119181-59120	BRACKET	1	1						
40	1	119181-59811	PIPE ASSY, INJECTION	1	1						
44	1	119181-59821	PIPE ASSY, INJECTION	1	1						
48	1	119181-59831	PIPE ASSY, INJECTION	1	1						
52	1	119181-59841	PIPE ASSY, INJECTION	1	1						
56	1	26106-060252	BOLT, M6X 25 PLATED	4	4						

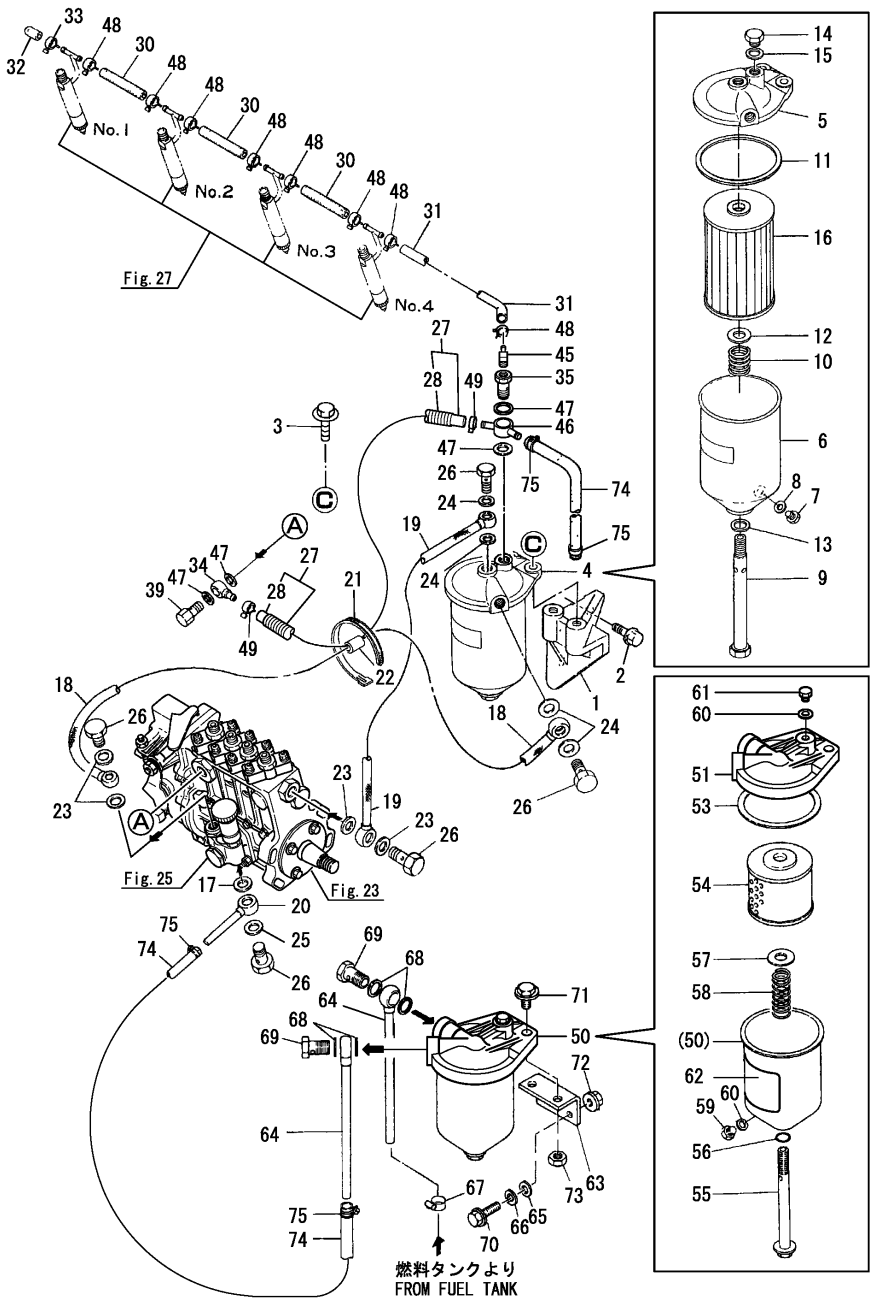
Fig.28. FUEL PIPE



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

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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



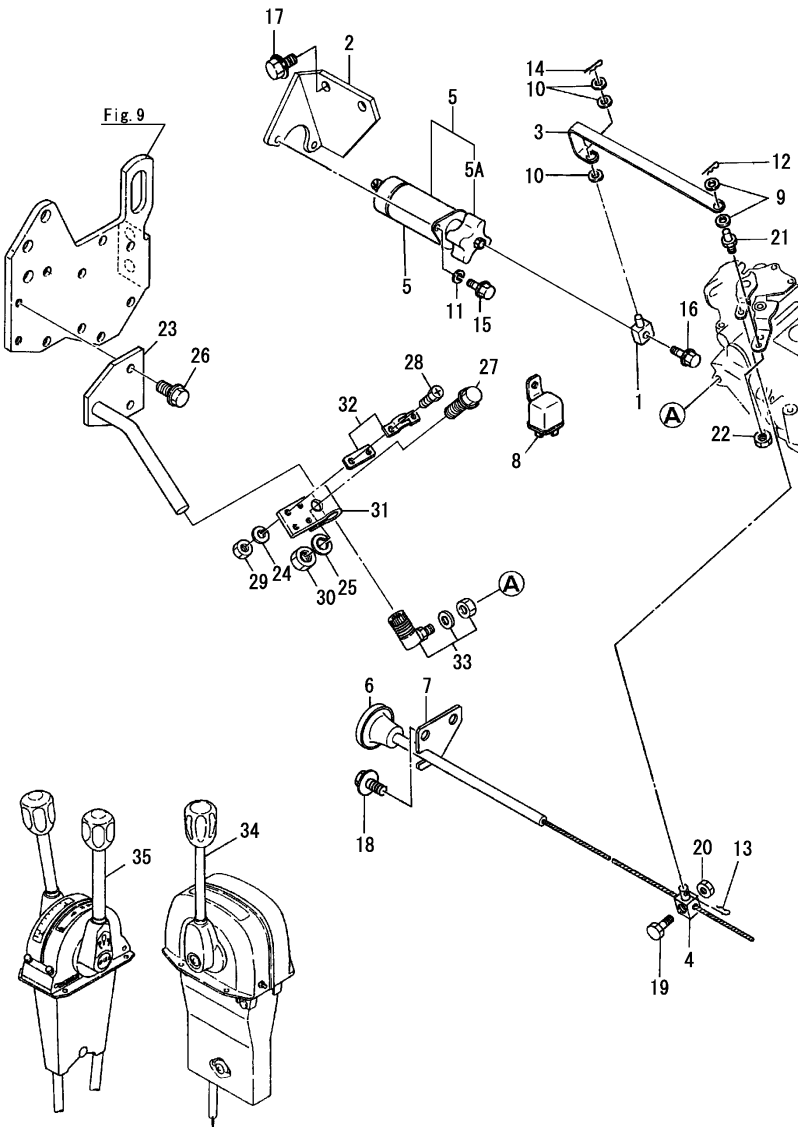
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
62	2	X0993071171	LABEL, CAUTION	1	1						
63	1	123672-55811	BRACKET	1	1						
64	1	123325-59420	PIPE ASSY, FUEL	2	2						
65	1	22137-080000	WASHER, 8	2	2						
66	1	22217-080000	WASHER, SPRING 8	2	2						
67	1	23000-016000	CLAMP, 16	2	2						
68	1	23414-140000	GASKET, 14X1.0	4	4						
69	1	23857-080000	BOLT, JOINT 8	2	2						
70	1	26106-080402	BOLT, M8X 40 PLATED	2	2						
71	1	26106-100202	BOLT, M10X 20 PLATED	2	2						
72	1	26306-080002	NUT, M8	2	2						
73	1	26706-100002	NUT, M10	2	2						
74	1	127610-59150	PIPE, 9/16X2000	2	2						
75	1	23000-016000	CLAMP, 16	4	4						

OCF10-M63300 4LH-WST/WSTZY

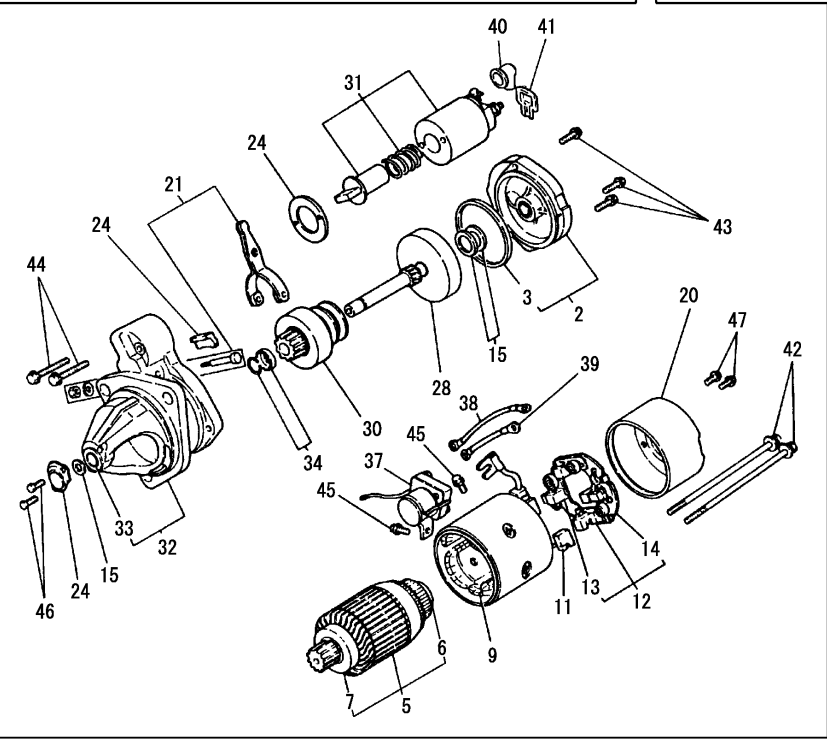
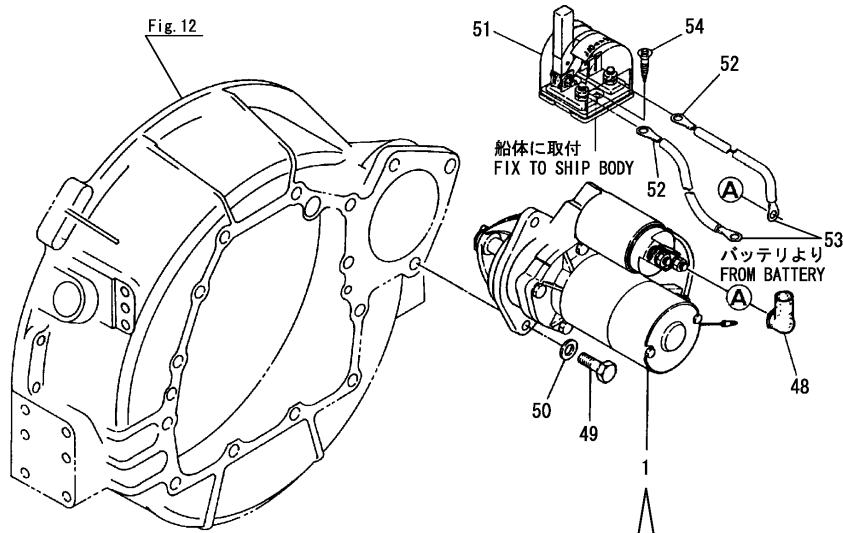
Fig.29. ENGINE STOP DEVICE

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	171078-66551	PIN	1	1						
2	1	119174-67300	BRACKET, SOLENOID	1	1						
3	1	119174-67310	LINK	1	1						
4	1	129590-67310	RETAINER, WIRE	1	1						
5	1	119588-67320	SOLENOID, STOP 24V	1	1						
5A	2	119588-67330	CAP, SOLENOID	1	1						
6	1	119174-67450	WIRE, CANCEL	1	1						
7	1	119174-67900	BRACKET, CANCEL WIRE	1	1						
8	1	124617-91860	RELAY, 24V	1	1						
9	1	22137-060000	WASHER, 6	2	2						
10	1	22117-080000	WASHER, 8	3	3						
11	1	22217-060000	WASHER, SPRING 6	2	2						
12	1	22360-050000	SNAP PIN 5	1	1						
13	1	22360-060000	PIN, SNAP 6	1	1						
14	1	22360-080000	SNAP PIN 8	1	1						
15	1	26106-060102	BOLT, M6X 10 PLATED	2	2						
16	1	26106-060202	BOLT, M6X 20 PLATED	1	1						
17	1	26106-080122	BOLT, M8X 12 PLATED	2	2						
18	1	26106-080122	BOLT, M8X 12 PLATED	2	2						
19	1	26116-050142	BOLT, M5X 14 PLATED	1	1						
20	1	26716-050002	NUT, M5	1	1						
21	1	120220-66250	PIN	1	1						
22	1	26366-060002	NUT, M6	1	1						
23	1	119181-67150	BRACKET, CABLE	1	1						
24	1	22217-050000	WASHER, SPRING 5	2	2						
25	1	22217-080000	WASHER, SPRING 8	1	1						
26	1	26106-080122	BOLT, M8X 12 PLATED	2	2						
27	1	26116-080252	BOLT, M8X 25 PLATED	1	1						
28	1	26557-050122	SCREW, M5X12	2	2						
29	1	26716-050002	NUT, M5	2	2						
30	1	26716-080002	NUT, M8	1	1						
31	1	41701-001720	CLAMP, BRCKET	1	1						
32	1	41710-000410	CLAMP	1	1						
33	1	41710-001300	JOINT, BALL M5	1	1						
34	1	41730-501250	HEAD, REMOTE-CONTROL	1							
35	1	41730-501421	HEAD, REMOTE-CONTROL	1							



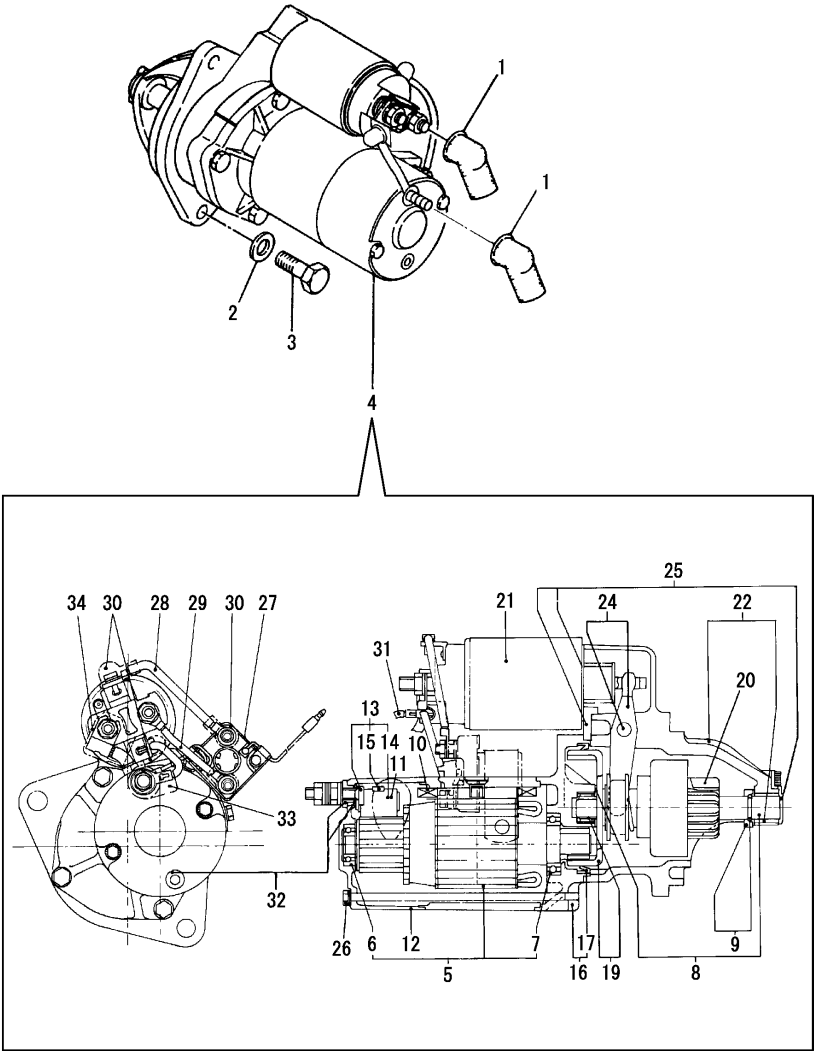
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124617-77011	STARTING MOTOR	1	1						
2	2	121254-77600	BEARING ASSY, CENTER	1	1						
3	3	119129-77210	SEAL, OIL	1	1						
5	2	124617-77110	ARMATURE ASSY	1	1						
6	3	121254-77410	BALL BEARING	1	1						
7	3	121254-77420	BALL BEARING	1	1						
9	2	119129-77440	COIL ASSY, FIELD	1	1						
11	2	119129-77460	BRUSH(+)	2	2						
12	2	119129-77470	HOLDER ASSY, BRUSH	1	1						
13	3	119129-77480	BRUSH(-)	2	2						
14	3	121254-77590	SPRING	4	4						
15	2	121254-77430	WASHER KIT, THRUST	1	1						
20	2	119129-77530	COVER, REAR	1	1						
21	2	121254-77700	LEVER SET, SHIFT	1	1						
24	2	121254-77730	DUST COVER SET	1	1						
28	2	124610-77640	SHAFT ASSY, GEAR	1	1						
30	2	119129-77630	PINION ASSY	1	1						
31	2	124617-77510	SWITCH ASSY	1	1						
32	2	119129-77650	CASE ASSY, GEAR	1	1						
33	3	119129-77660	BEARING, METAL	1	1						
34	2	119129-77670	STOPPER SET, PINION	1	1						
37	2	124617-77590	RELAY, STARTER	1	1						
38	2	119129-77710	WIRE-HARNESS	1	1						
39	2	119129-77720	WIRE-HARNESS	1	1						
40	2	119129-77740	COVER, TERMINAL	3	3						
41	2	121254-77810	COVER, TERMINAL	1	1						
42	2	121254-77770	BOLT, THROUGH	2	2						
43	2	26106-060302	BOLT, M6X 30 PLATED	3	3						
44	2	26106-060452	BOLT, M6X 45 PLATED	2	2						
45	2	26116-050082	BOLT, M5X 8 PLATED	2	2						
46	2	26450-050122	BOLT, M5X 12	2	2						
47	2	26557-040122	SCREW, M4X12	2	2						
48	1	119773-77030	COVER	1	1						
49	1	26116-120302	BOLT, M12X 30 PLATED	3	3						
50	1	22137-120000	WASHER, 12	3	3						
51	1	123310-77640	SWITCH, BATTERY	1	1						
52	1	123325-77920	TERMINAL	2	2						
53	1	123325-77930	TERMINAL	2	2						
54	1	22724-800380	SCREW, 8.0X38	2	2						

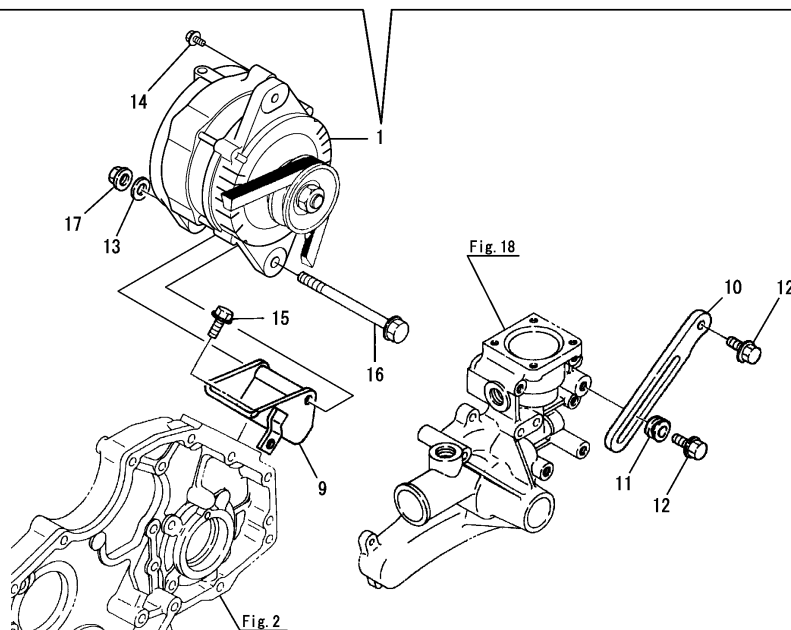
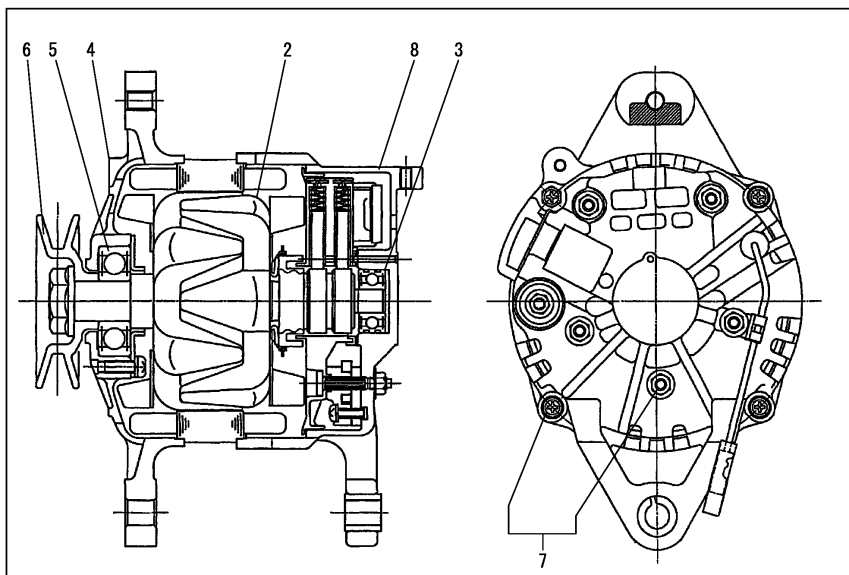
Fig.31. STARTING MOTOR(EARTH FLOAT TYPE/OPTIONAL)

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119773-77030	COVER	2	2						
2	1	22137-120000	WASHER, 12	3	3						
3	1	26116-120302	BOLT, M12X 30 PLATED	3	3						
4	1	46120-501480	MOTOR, STARTING	1	1						
5	2	X225021001	ARMATURE ASSY	1	1						
6	3	X21302302	BALL BEARING	1	1						
7	3	X21303302	BALL BEARING	1	1						
8	2	X21302115	WASHER KIT, THRUST	1	1						
9	2	X22507105	SET, PINION STOPPER	1	1						
10	2	X225032001	COIL ASSY, FIELD	1	1						
11	2	X22505322	BRUSH(+)	2	2						
12	2	X225023014	REAR COVER	1	1						
13	2	X22506310	HOLDER ASSY, BRUSH	1	1						
14	3	X22503323	BRUSH(-)	2	2						
15	3	X21305313	SPRING, BRUSH	4	4						
16	2	X225054001	BEARING ASSY, CENTER	1	1						
17	3	X21301402	SEAL, OIL	1	1						
19	2	X22501113	SHAFT ASSY, GEAR	1	1						
20	2	X225025004	PINION ASSY	1	1						
21	2	X225097005	MAGNET SWITCH ASSY	1	1						
22	2	X225036002	CASE ASSY, GEAR	1	1						
24	2	X21302605	LEVER SET	1	1						
25	2	X21303610	COVER SET, DUST	1	1						
26	2	X21305820	BOLT, THROUGH	2	2						
27	2	X225017006	STARTER RELAY	1	1						
28	2	X22505770	WIRE, CONNECTING	1	1						
29	2	X22506770	WIRE, CONNECTING	1	1						
30	2	X21203744	TERMINAL COVER(1)	4	4						
31	2	X22507770	WIRE	1	1						
32	2	X22502325	INSULATOR	1	1						
33	2	X22509776	TERMINAL COVER(2)	1	1						
34	2	X21142742	COVER (A), RUBBER	1	1						





No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119187-77500	GENERATOR, 4V-20A	1	1					Z	1
		(A=E03292) (B=E03292)									
2	2	129900-77800	ROTOR ASSY	1	1						
3	2	129900-77810	BEARING, BALL	1	1						
4	2	129900-77890	BRACKET ASSY	1	1						
5	2	129900-77900	BEARING, BALL	1	1						
6	2	129900-77910	PULLEY	1	1						
7	2	129900-77920	SCREW KIT	1	1						
8	2	119187-77831	BRACKET(STATOR+REGUL	1	1						
9	1	119175-77270	BRACKET, GENERATOR	1	1						
10	1	119171-77330	ADJUSTER, BELT	1	1						
11	1	121236-77340	SPACER	1	1						
12	1	119005-77350	BOLT, M8X25	2	2						
13	1	22137-100000	WASHER, 10	1	1						
14	1	26106-050102	BOLT, M5X 10 PLATED	1	1						
15	1	26106-080202	BOLT, M8X 20 PLATED	4	4						
16	1	26116-101202	BOLT, M10X120 PLATED	1	1						
17	1	26306-100002	NUT, M10	1	1						

Remarks
(1)HITACHI : Up to E3292.

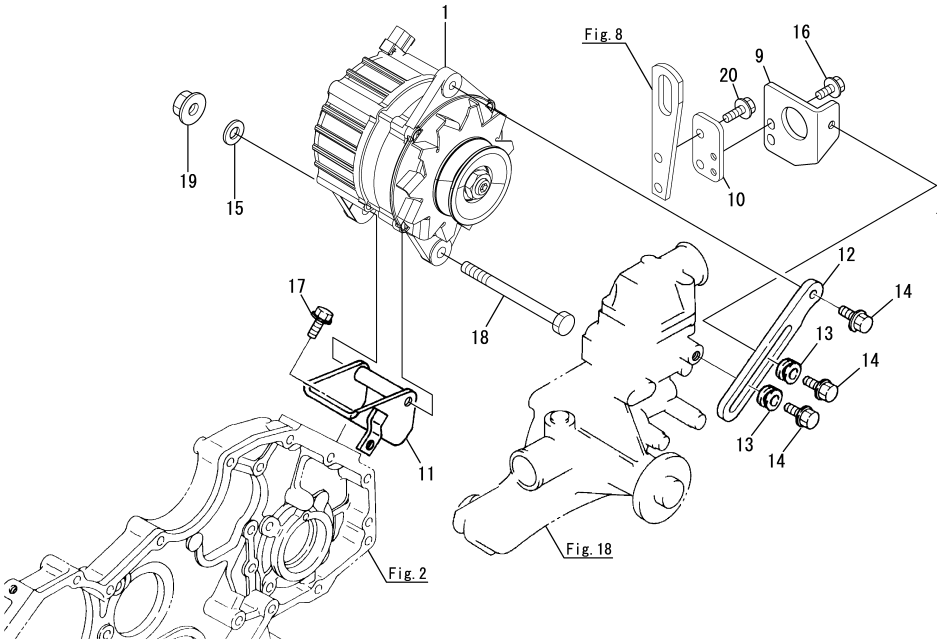
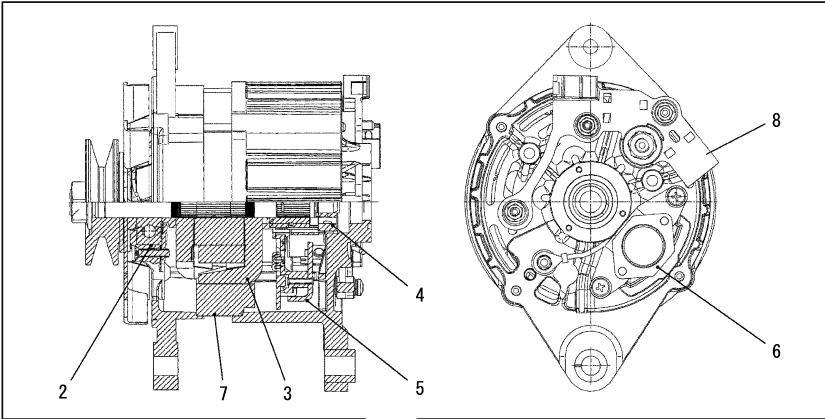
N:Old $\xleftrightarrow[\text{No}]{\text{Yes}}$ New, Q:Old $\xleftrightarrow[\text{Yes}]{\text{No}}$ New, R:Old $\xleftrightarrow[\text{Yes}]{\text{Yes}}$ New, S:Old $\xleftrightarrow[\text{No}]{\text{No}}$ New, W:Add, Z:Discontinued, F:Interchangeable by set, K:Q'ty Change
Copyright (C) YANMAR CO.,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

Fig.52. (32A)GENERATOR(BOSCH)

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	129908-77250 (A=E03293) (B=E03293)	ALTERNATOR	1	1					W	1
2	2	129908-77780	BEARING, BALL FR	1	1						
3	2	129908-77790	ROTOR	1	1						
4	2	129908-77800	BEARING, BALL RR	1	1						
5	2	129908-77810	RECTIFIER	1	1						
6	2	129908-77820	REGULATOR	1	1						
7	2	129908-77830	STATOR	1	1						
8	2	129908-77840	PROTECTOR	1	1						
9	1	119172-77150	SUPPORT	1	1						
10	1	119172-77160	SUPPORT	1	1						
11	1	119175-77270	BRACKET, GENERATOR	1	1						
12	1	119171-77330	ADJUSTER, BELT	1	1						
13	1	121236-77340	SPACER	2	2						
14	1	119005-77350	BOLT, M8X25	3	3						
15	1	22137-100000	WASHER, 10	1	1						
16	1	26106-080142	BOLT, M8X 14 PLATED	2	2						
17	1	26106-080202	BOLT, M8X 20 PLATED	4	4						
18	1	26116-101202	BOLT, M10X120 PLATED	1	1						
19	1	26306-100002	NUT, M10	1	1						
20	1	26106-100252	BOLT, M10X 25 PLATED	2	2						

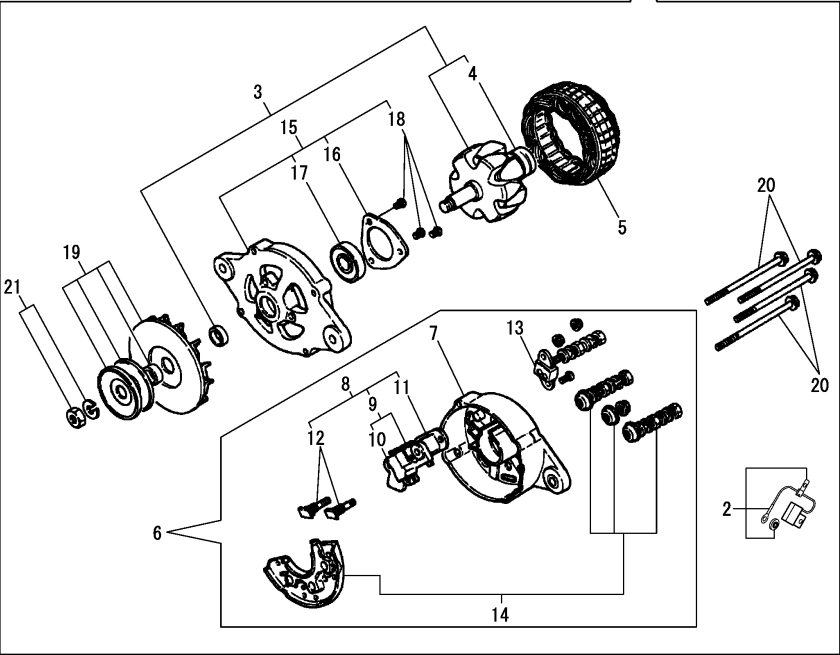
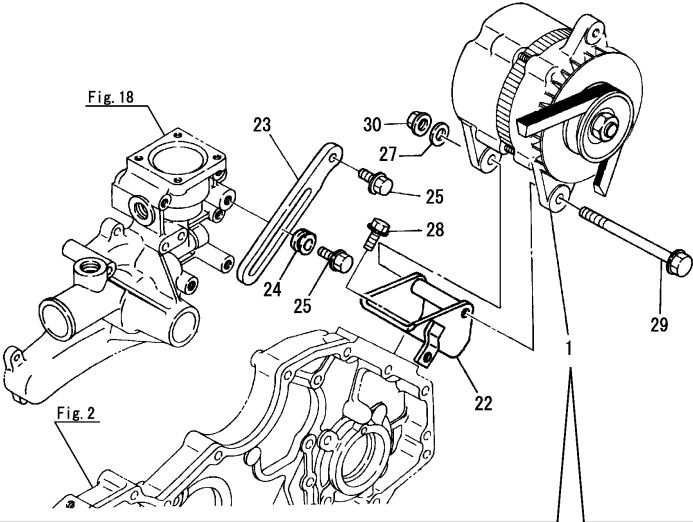


Remarks
(1)BOSCH : from to E03293.
Fig.34 No.3-2 interchangeable by set.

Fig.33. GENERATOR(EARTH FLOAT TYPE)(HITACHI)

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	120324-77603 (A=E03292) (B=E03292)	GENERATOR	1	1					Z	1
2	2	XL235G6318	CONDENSER	1	1						
3	2	XL2356100	ROTOR ASSY	1	1						
4	3	X6201SD	BALL BEARING	1	1						
5	2	XL23552001	STATER ASSY	1	1						
6	2	XL235G13002	COVER ASSY, REAR	1	1						
7	3	XL23583011	COVER, REAR	1	1						
8	3	XL235G7315	REGULATOR	1	1						
9	4	XL235G3330	BRUSH ASSY	1	1						
10	5	XL12013262	BRUSH	2	2						
11	4	XLTR2Z46	REGULATOR	1	1						
12	4	XL1501313	BOLT M5	2	2						
13	3	XL2256310	TERMINAL BOLT ASSY	1	1						
14	3	XL2355320	DIODE ASSY	1	1						
15	2	XL23534011	COVER ASSY, FRONT	1	1						
16	3	XL150M14041	RETAINER	1	1						
17	3	X6303BM	BALL BEARING 6303B	1	1						
18	3	XL15028001	SCREW ASSY	1	1						
19	2	XL235G5500	PULLEY ASSY	1	1						
20	2	XL15018015	BOLT, THROUGH	4	4						
21	2	XL1501810	NUT ASSY, PULLEY	1	1						
22	1	119171-77250	BRACKET, GENERATOR	1	1						
23	1	119171-77330	ADJUSTER, BELT	1	1						
24	1	121236-77340	SPACER	1	1						
25	1	119005-77350	BOLT, M8X25	2	2						
27	1	22137-100000	WASHER, 10	1	1						
28	1	26106-080202	BOLT, M8X 20 PLATED	4	4						
29	1	26116-101202	BOLT, M10X120 PLATED	1	1						
30	1	26306-100002	NUT, M10	1	1						

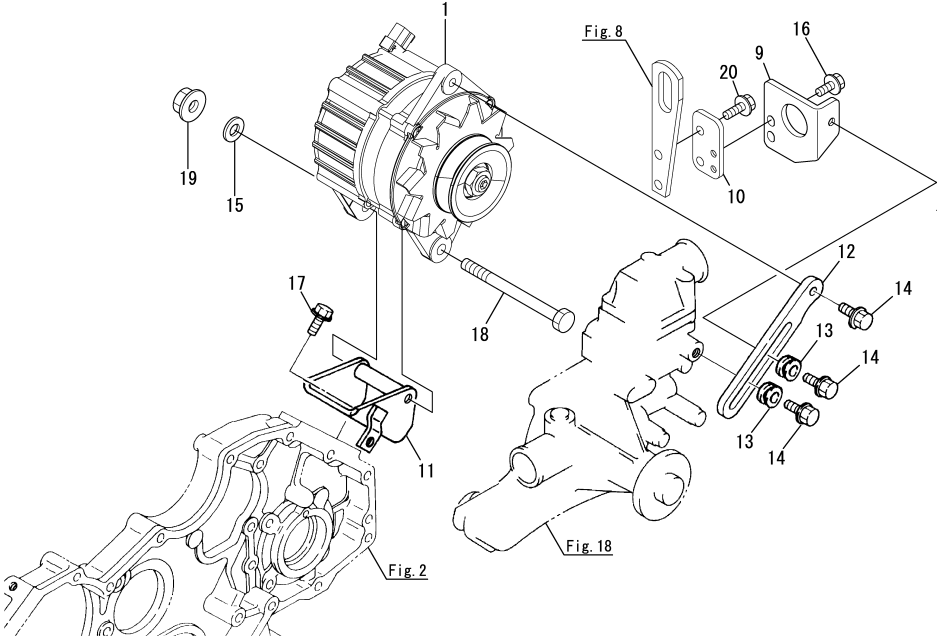
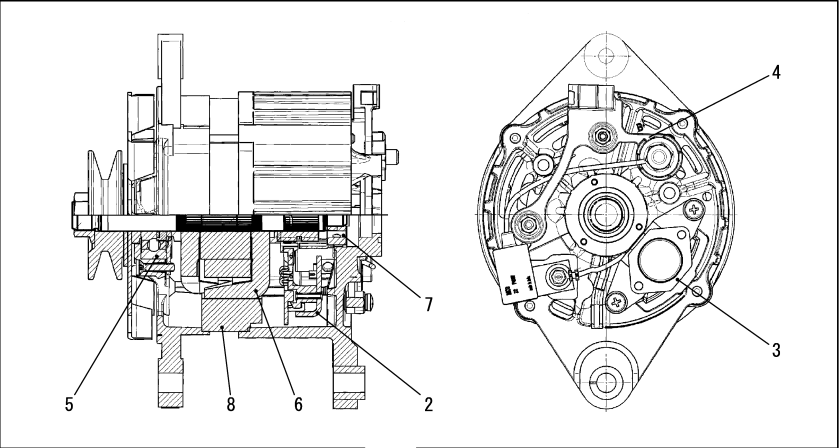
Remarks
(1)HITACHI : Up to E3292.

Fig.53. (33A)GENERATOR(EARTH FLOATYPE)(BOSCH)

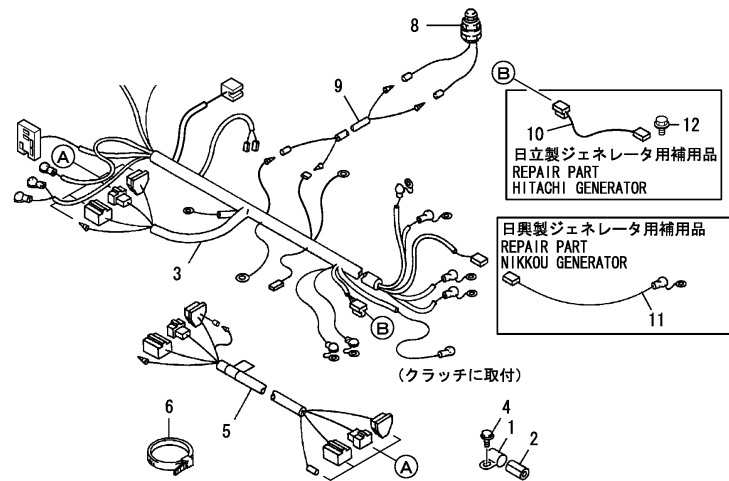
(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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

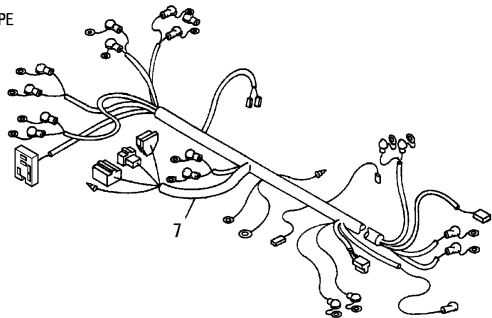
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119195-77200 (A=E03293) (B=E03293)	ALTERNATOR, 24V-45A	1	1					W	1
2	2	119195-77700	RECTIFIER	1	1						
3	2	119195-77710	REGULATOR	1	1						
4	2	119195-77720	PROTECTOR	1	1						
5	2	129908-77780	BEARING, BALL FR	1	1						
6	2	129908-77790	ROTOR	1	1						
7	2	129908-77800	BEARING, BALL RR	1	1						
8	2	129908-77830	STATOR	1	1						
9	1	119172-77150	SUPPORT	1	1						
10	1	119172-77160	SUPPORT	1	1						
11	1	119175-77270	BRACKET, GENERATOR	1	1						
12	1	119171-77330	ADJUSTER, BELT	1	1						
13	1	121236-77340	SPACER	2	2						
14	1	119005-77350	BOLT, M8X25	3	3						
15	1	22137-100000	WASHER, 10	1	1						
16	1	26106-080142	BOLT, M8X 14 PLATED	2	2						
17	1	26106-080202	BOLT, M8X 20 PLATED	4	4						
18	1	26116-101202	BOLT, M10X120 PLATED	1	1						
19	1	26306-100002	NUT, M10	1	1						
20	1	26106-100252	BOLT, M10X 25 PLATED	2	2						



Remarks
(1)BOSCH : from to E03293.
Fig.34 No.7-2 interchangeable by set.



2線式
EARTH FLOAT TYPE

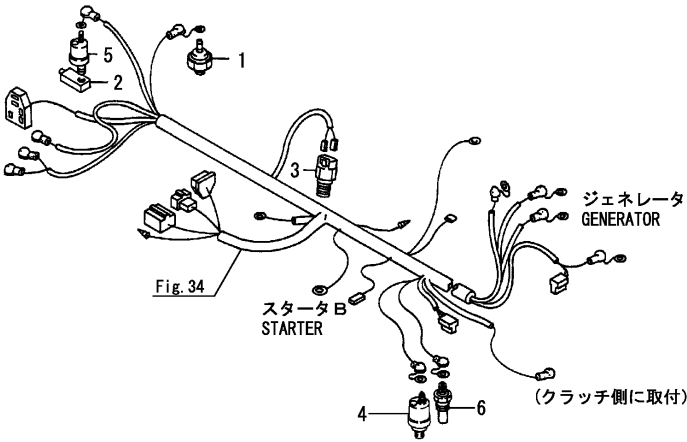


Remarks
(1)Spare parts.
(2)For HITACHI generator.
(3)For BOSCH generator.

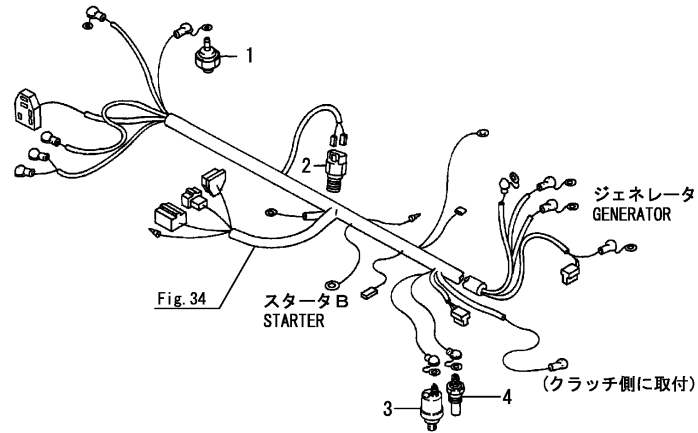
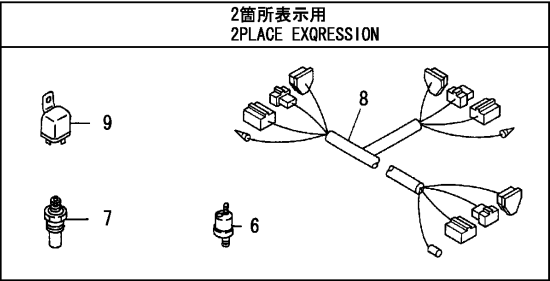
(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124770-49310	RETAINER	1	1						
2	1	123682-77710	PROTECTOR	1	1						
3	1	119187-77814	HARNESS, WIRE	1	1						2
3-1	1	119187-77816	HARNESS, WIRE	1	1					R	2
		(A=*2012.09.) (B=*2012.09.)									
3-2	1	119187-77817	HARNESS, WIRE	1	1					S	3
		(A=E03293) (B=E03293)									
4	1	26106-080162	BOLT, M8X 16 PLATED	1	1						
5	1	129574-77720	HARNESS, WIRE 6M	1	1						
6	1	121750-59890	BAND, 140	1	1						
7	1	119187-77823	HARNESS, WIRE	1	1						2
7-1	1	119187-77825	HARNESS	1	1					R	2
		(A=*2012.09.) (B=*2012.09.)									
7-2	1	119187-77826	HARNESS	1	1					S	3
		(A=E03293) (B=E03293)									
8	1	120270-77102	SWITCH, SAFETY	1	1						
9	1	119187-77860	HARNESS, WIRE	1	1						
10	1	119187-77600	HARNESS, WIRE	1	1						1
11	1	119187-77610	HARNESS, WIRE	1	1						1
12	1	26106-050102	BOLT, M5X 10 PLATED	1	1						1



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124060-39452	SWITCH, 0.2KG	1							
2	1	123482-39680	DAMPER	1							
3	1	128170-91160	SENSOR	1							
4	1	127610-91350	SWITCH, 95	1							
5	1	119773-91501	SENSOR	1							
6	1	144626-91570	SENDER UNIT	1							

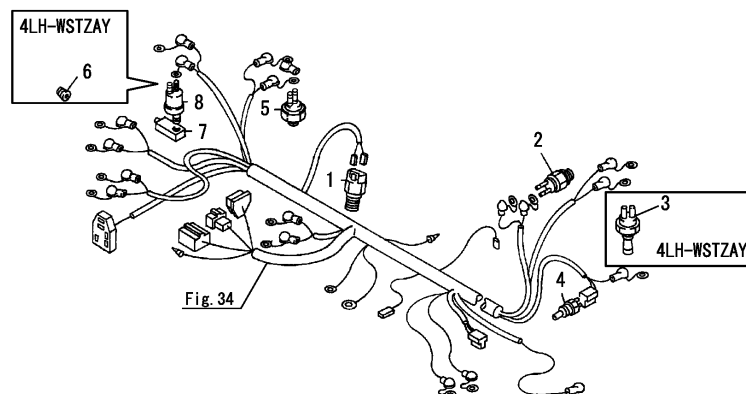


(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

(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						
2	1	128170-91160	SENSOR		1						
3	1	127610-91350	SWITCH, 95		1						
4	1	144626-91570	SENDER UNIT		1						
5	1	23876-030000	PLUG, R03		1						
6	1	129574-91561	SENSOR		1						
7	1	129574-91570	SENSOR		1						
8	1	129574-77980	HARNESS, WIRE		1						
9	1	124617-91860	RELAY		1						

Fig.37. SENSOR(EARTH FLOAT TYPE/OPTIONAL)



No.	Lev.	Parts No.	Description	(A)=4LH-WST (B)=4LH-WSTZY (C)=		(D)= (E)= (F)=				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128170-91160	SENSOR	1	1						
2	1	126630-91350	SWITCH, THERMO	1	1						
3	1	126630-91371	SWITCH, THERMO		1						
4	1	126630-91570	SENDER UNIT	1	1						
5	1	126630-91591	SWITCH,OIL PRESSURE	1	1						
6	1	23876-030000	PLUG, R03		1						
7	1	123482-39680	DAMPER	1							
8	1	119773-91520	SENDER UNIT	1							

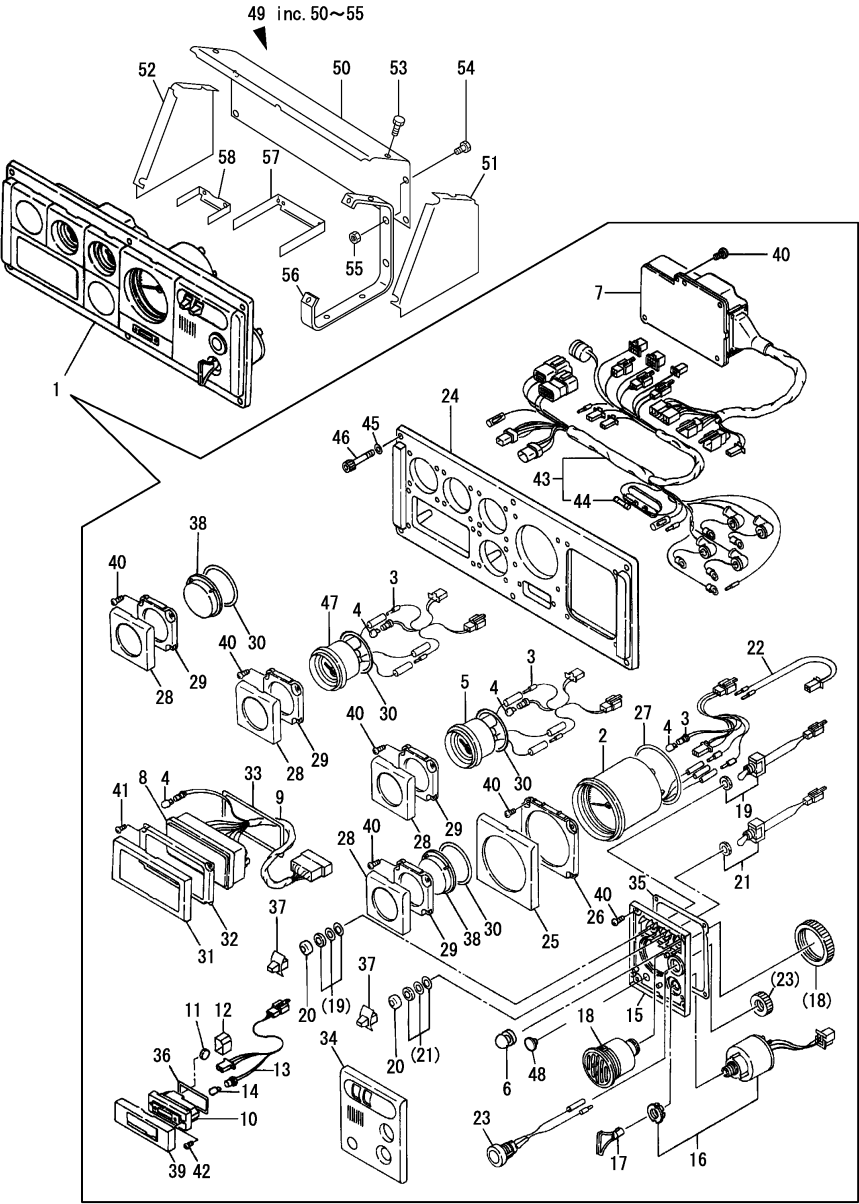
Fig.38. CLUTCH

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119188-81010	CLUTCH ASSY		1						
2	1	119195-81020	CLUTCH ASSY, 2.03	1							
3	1	119195-81010	CLUTCH ASSY, 1.51	1							
4	1	119195-81030	CLUTCH ASSY, I=2.55	1							
5	1	119195-81040	CLUTCH ASSY, I=2.96	1							
6	1	26106-100302	BOLT, M10X 30 PLATED	8	8						
7	1	26106-100252	BOLT, M10X 25 PLATED	10	10						

Remarks
Parts listed in this figure are
not illustrated.

Fig.39. INSTRUMENT PANEL(4LH-WST)

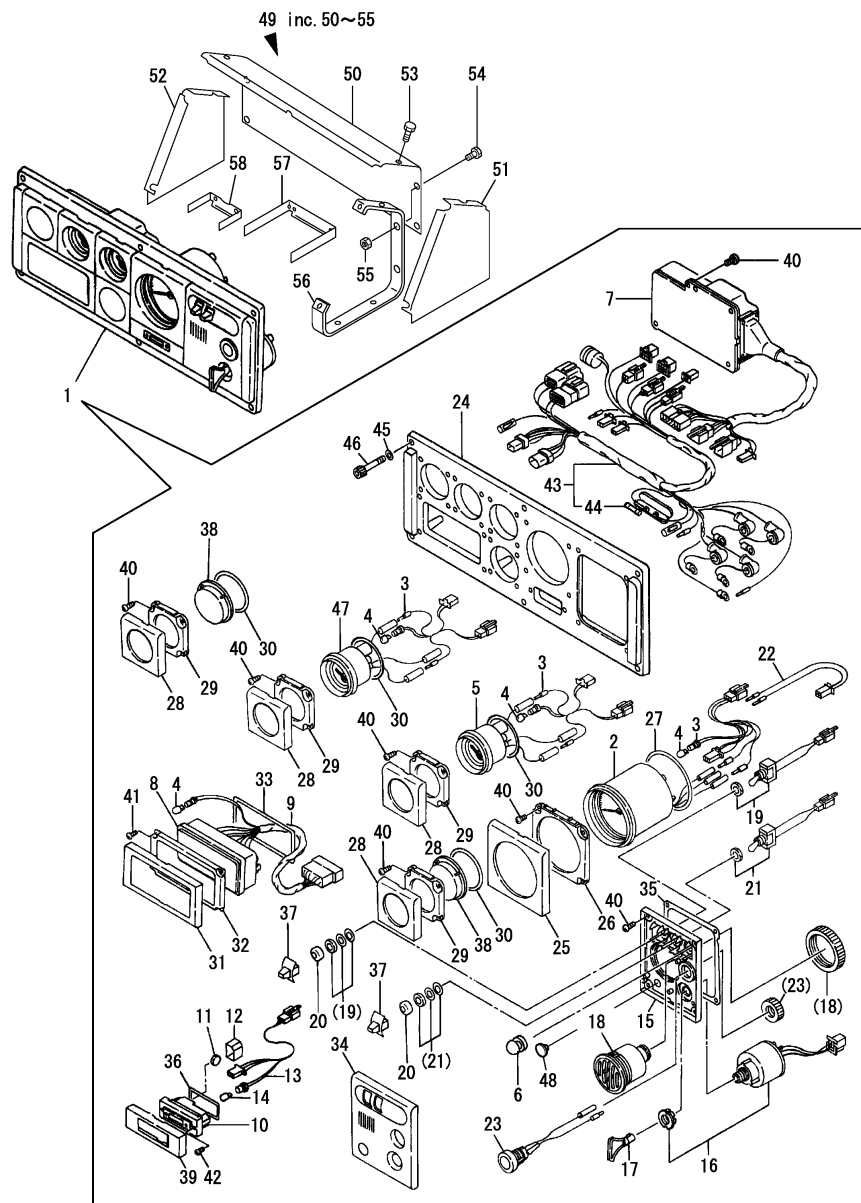


(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119194-91191	PANEL ASSY,INSTRUM	1							
2	2	127692-91200	METER,TACH/HOUR(P129	1							
3	2	129574-91870	HARNESS, WIRE	3							
4	2	127620-91660	BULB, 24V-1.5W	9							
5	2	127692-91210	METER	1							
6	2	129170-91810	COVER	1							
7	2	127692-91270	CIRCUIT, ALARM	1							
8	2	119189-91260	BOX, PANEL	1							
9	2	129574-91860	WIRE	1							
10	2	129574-91240	CLOCK	1							
11	2	127620-91250	CELL	1							
12	2	129574-91490	HOLDER	1							
13	2	129574-91880	HARNESS, WIRE	1							
14	2	127687-91760	BULB, 24V-1.5W T5	1							
15	2	129574-91410	BRACKET, SWITCH	1							
16	2	121575-91250	SWITCH, KEY	1							
17	2	123482-91291	SWITCH, KEY	1							
18	2	127692-91350	BUZZER	1							
19	2	129574-91800	SWITCH ASSY	1							
20	2	129574-91780	CAP, RUBBER	2							
21	2	129574-91790	SWITCH	1							
22	2	129574-91890	HARNESS, WIRE	1							
23	2	129470-91190	SWITCH, STOP	1							
24	2	129574-91930	PANEL	1							
25	2	129574-91620	BEZEL	1							
26	2	129574-91420	BRACKET	1							
27	2	129574-91720	GASKET	1							
28	2	129574-91630	BEZEL	4							
29	2	129574-91430	BRACKET	4							
30	2	129574-91730	GASKET	4							
31	2	129574-91640	BEZEL	1							
32	2	129574-91440	BRACKET	1							
33	2	129574-91740	GASKET	1							
34	2	129170-91610	BEZEL	1							
35	2	129574-91710	GASKET	1							
36	2	129574-91750	GASKET	1							
37	2	129574-91770	KNOB	2							
38	2	129574-91600	COVER	2							
39	2	129574-91650	BEZEL	1							
40	2	127692-91410	SCREW	27							
41	2	127692-91440	SCREW	4							
42	2	127692-91450	SCREW	2							
43	2	127692-91850	HARNESS, WIRE	1							
44	3	46150-003620	FUSE	1							
45	2	127687-91880	WASHER	6							
46	2	127687-91870	BOLT, M6X35	6							
47	2	127692-91221	METER	1							
48	2	129574-91760	COVER	1							
49	1	127692-91900	COVER, PANEL	1							1
50	2	127692-91950	COVER, PANEL	1							
51	2	129574-91960	COVER, PANEL	1							

Remarks
(1)Optional parts.
(2)Not needed when mounting on the side.

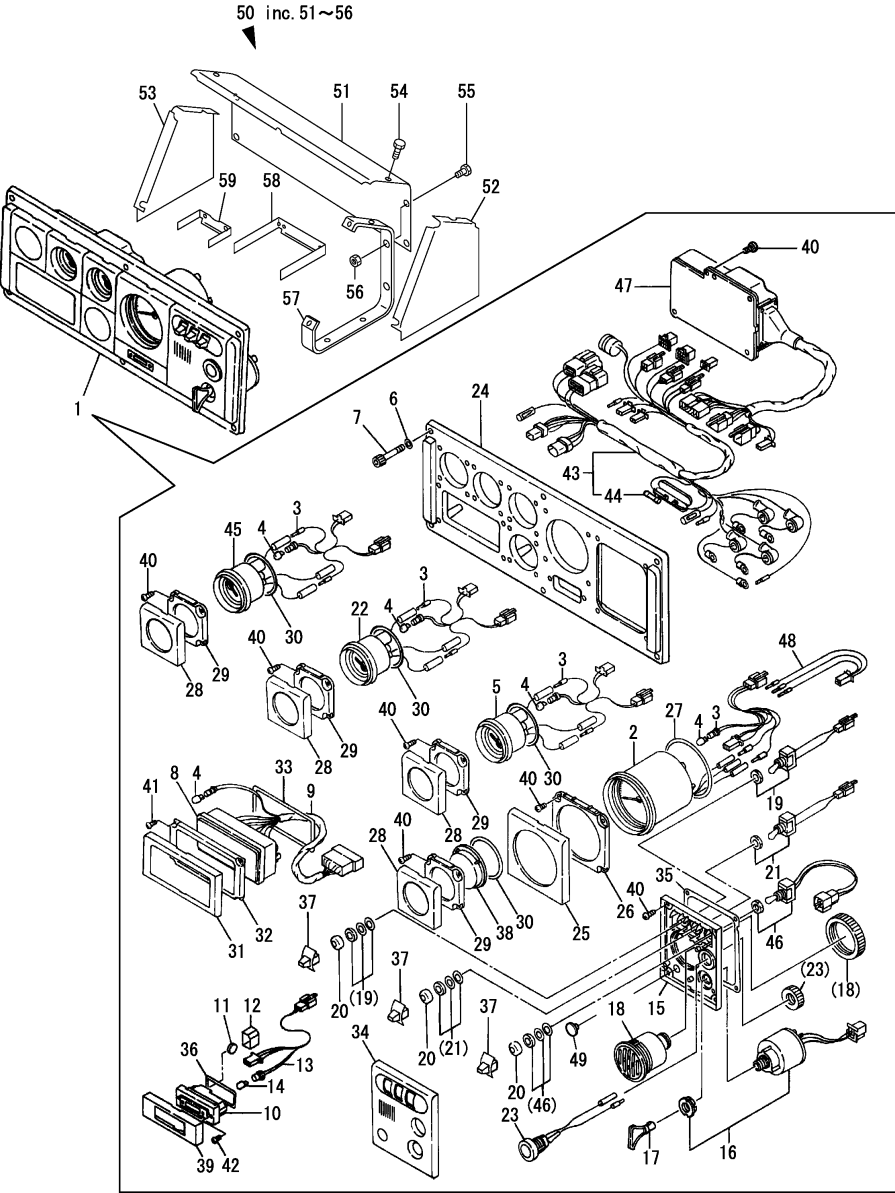


No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
52	2	129574-91970	COVER, PANEL	1							
53	2	26559-060122	SCREW, M6X12	2							
54	2	26556-060122	SCREW M 6X12	4							2
55	2	26716-060002	NUT, M6	4							2
56	1	129574-91530	BRACKET, PANEL	2							1
57	1	129574-91540	BRACKET	1							1
58	1	129574-91550	BRACKET	1							1

(1)Optional parts.
(2)Not needed when mounting on the side.

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

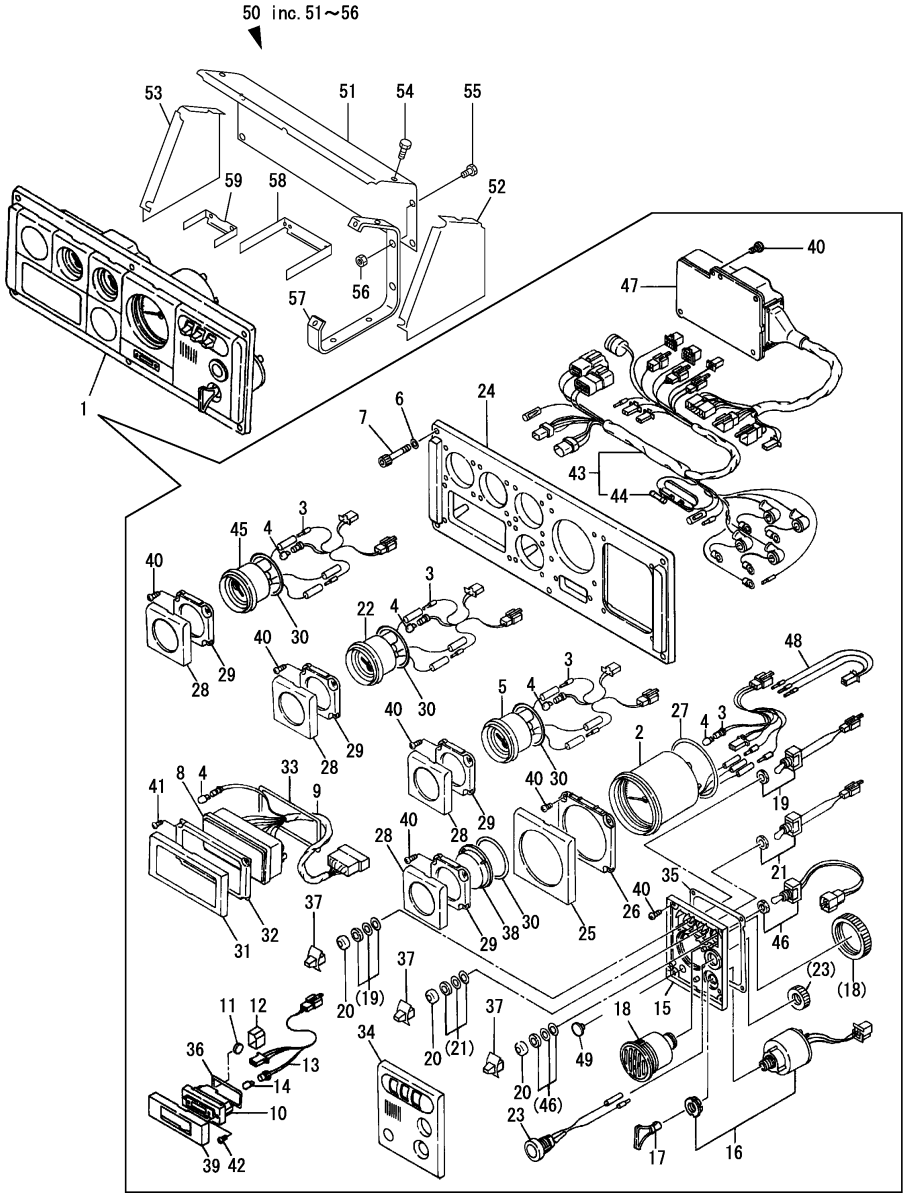
Fig.40. INSTRUMENT PANEL(4LH-WSTZY)



Remarks
(1)Optional parts.
(2)Not needed when mounting on the side.

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119189-91190	PANEL ASSY, INSTRUM		1						
2	2	127692-91200	METER, TACH/HOUR(P129		1						
3	2	129574-91870	HARNESS, WIRE		4						
4	2	127620-91660	BULB, 24V-1.5W		7						
5	2	127692-91210	METER		1						
6	2	127687-91880	WASHER		6						
7	2	127687-91870	BOLT, M6X35		6						
8	2	119189-91260	BOX, PANEL		1						
9	2	119183-91860	WIRE		1						
10	2	129574-91240	CLOCK		1						
11	2	127620-91250	CELL		1						
12	2	129574-91490	HOLDER		1						
13	2	129574-91880	HARNESS, WIRE		1						
14	2	127687-91760	BULB, 24V-1.5W T5		1						
15	2	129574-91410	BRACKET, SWITCH		1						
16	2	121575-91250	SWITCH, KEY		1						
17	2	123482-91291	SWITCH, KEY		1						
18	2	127692-91350	BUZZER		1						
19	2	129574-91800	SWITCH ASSY		1						
20	2	129574-91780	CAP, RUBBER		3						
21	2	129574-91790	SWITCH		1						
22	2	127692-91320	GAUGE, FUEL		1						
23	2	129470-91190	SWITCH, STOP		1						
24	2	129574-91930	PANEL		1						
25	2	129574-91620	BEZEL		1						
26	2	129574-91420	BRACKET		1						
27	2	129574-91720	GASKET		1						
28	2	129574-91630	BEZEL		4						
29	2	129574-91430	BRACKET		4						
30	2	129574-91730	GASKET		4						
31	2	129574-91640	BEZEL		1						
32	2	129574-91440	BRACKET		1						
33	2	129574-91740	GASKET		1						
34	2	129574-91610	BEZEL		1						
35	2	129574-91710	GASKET		1						
36	2	129574-91750	GASKET		1						
37	2	129574-91770	KNOB		3						
38	2	129574-91600	COVER		1						
39	2	129574-91650	BEZEL		1						
40	2	127692-91410	SCREW		27						
41	2	127692-91440	SCREW		4						
42	2	127692-91450	SCREW		2						
43	2	119183-91850	HARNESS, WIRE		1						
44	3	46150-003620	FUSE		1						
45	2	127692-91330	TIMER		1						
46	2	129574-91810	SWITCH		1						
47	2	119189-91270	CIRCUIT, ALARM		1						
48	2	129574-91890	HARNESS, WIRE		1						
49	2	129574-91760	COVER		1						
50	1	127692-91900	COVER, PANEL		1						1
51	2	127692-91950	COVER, PANEL		1						

Fig.40. INSTRUMENT PANEL(4LH-WSTZY)



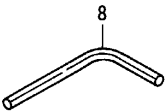
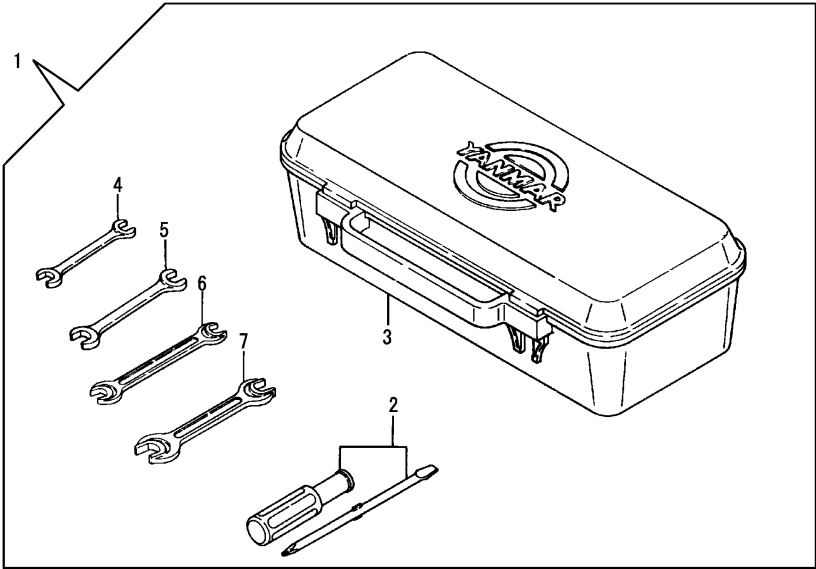
(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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

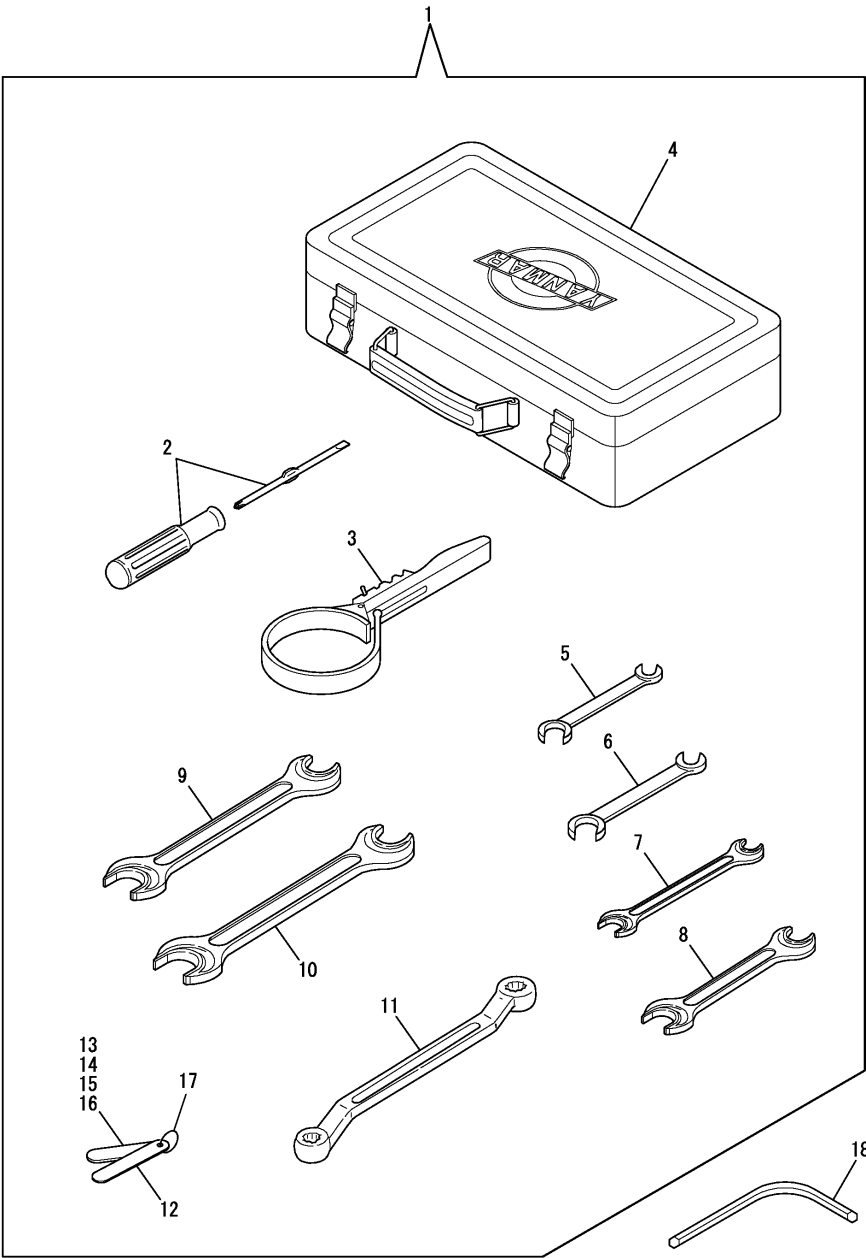
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
52	2	129574-91960	COVER, PANEL		1						
53	2	129574-91970	COVER, PANEL		1						
54	2	26559-060122	SCREW, M6X12		2						
55	2	26556-060122	SCREW M 6X12		4						2
56	2	26716-060002	NUT, M6		4						2
57	1	129574-91530	BRACKET, PANEL		2						1
58	1	129574-91540	BRACKET		1						1
59	1	129574-91550	BRACKET		1						1

Remarks
(1)Optional parts.
(2)Not needed when mounting on the side.

Fig.41. TOOL

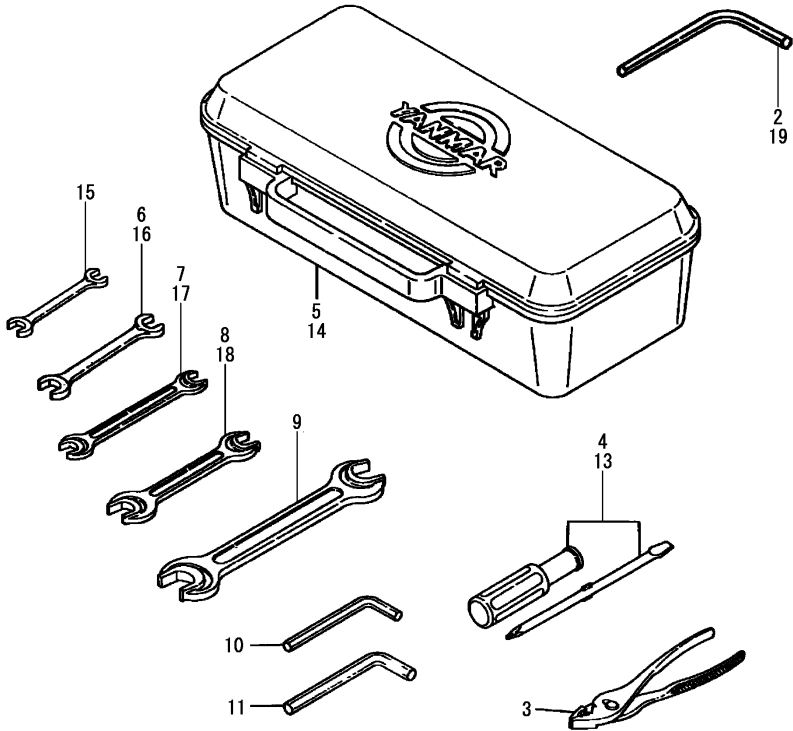


OCF10-M63300 Fig.41													
				(A)=4LH-WST					(D)=				
				(B)=4LH-WSTZY					(E)=				
				(C)=					(F)=				
No.	Lev.	Parts No.	Description	Q'ty						I	R		
				(A)	(B)	(C)	(D)	(E)	(F)				
1	1	719195-92500	TOOL ASSY	1	1								
2	2	104200-92350	DRIVER, SCREW	1	1								
3	2	104200-92600	BOX, TOOL	1	1								
4	2	28110-080100	SPANNER, 8X10	1	1								
5	2	28110-100130	SPANNER, 10X13	1	1								
6	2	28110-120140	SPANNER, 12X14	1	1								
7	2	28110-170190	SPANNER, 17X19	1	1								
8	1	177040-09050	WRENCH		1								



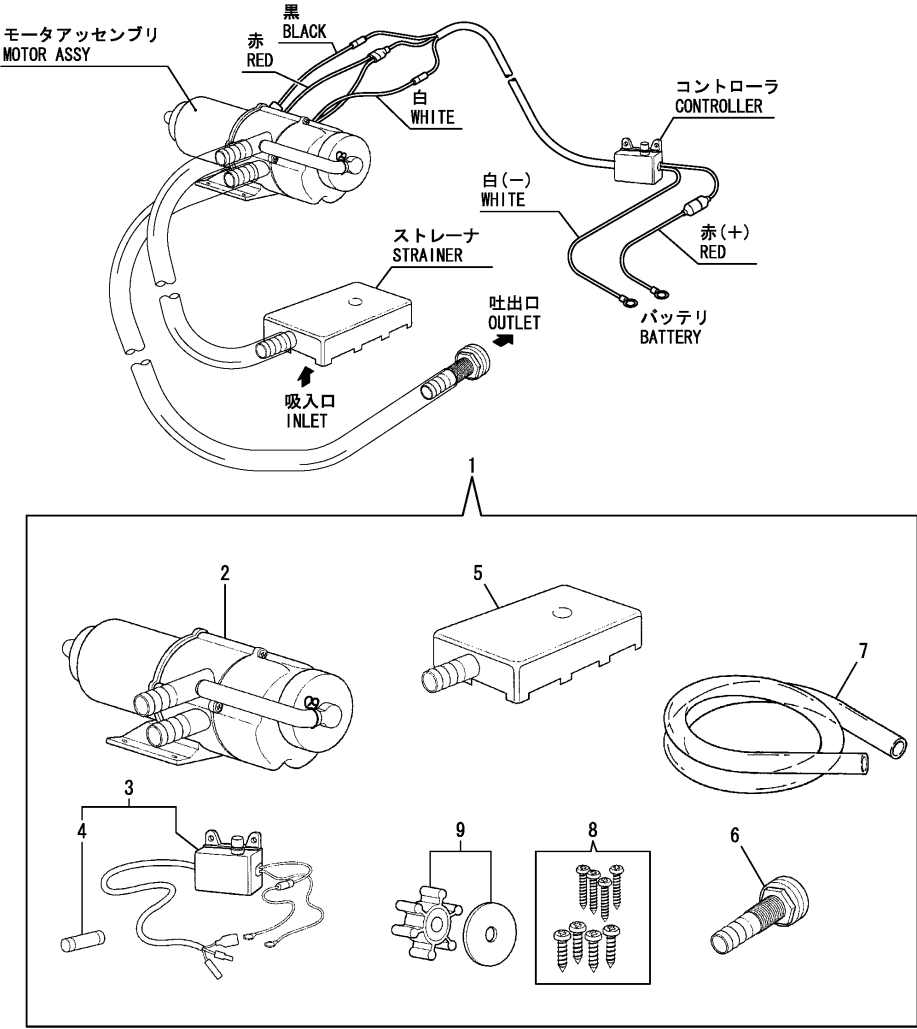
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	719195-92510	TOOL ASSY, OPTION	1	1						
2	2	104200-92350	DRIVER, SCREW	1	1						
3	2	133615-92350	WRENCH	1	1						
4	2	122210-92601	BOX	1	1						
5	2	28110-080100	SPANNER, 8X10	1	1						
6	2	28110-100130	SPANNER, 10X13	1	1						
7	2	28110-120140	SPANNER, 12X14	1	1						
8	2	28110-170190	SPANNER, 17X19	1	1						
9	2	28110-220240	SPANNER, 22X24	1	1						
10	2	28110-270300	SPANNER, 27X30	1	1						
11	2	28160-220240	WRENCH, 22X24	1	1						
12	2	28312-200750	GAUGE, 0.20X75	1	1						
13	2	28312-250750	GAUGE, 0.25X75	1	1						
14	2	28312-300750	GAUGE, 0.30X75	1	1						
15	2	28312-350750	GAUGE, 0.35X75	1	1						
16	2	28312-400750	GAUGE, 0.40X75	1	1						
17	2	28322-020000	RING, GAUGE	1	1						
18	1	177040-09050	WRENCH	1							

1 inc. 2~11
12 inc. 13~18



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	729499-92100	BOX ASSY, TOOL	1	1						Z
		(A=EXXXXXX) (B=EXXXXXX)									
2	2	177040-09050	WRENCH	1	1						
3	2	189010-92020	PLIER	1	1						
4	2	104200-92350	DRIVER, SCREW	1	1						
5	2	104200-92600	BOX, TOOL	1	1						
6	2	28110-100130	SPANNER, 10X13	1	1						
7	2	28110-120140	SPANNER, 12X14	1	1						
8	2	28110-170190	SPANNER, 17X19	1	1						
9	2	28110-220240	SPANNER, 22X24	1	1						
10	2	28150-050000	WRENCH, BAR 5	1	1						
11	2	28150-060000	WRENCH, BAR 6	1	1						
12	1	719195-92500	TOOL ASSY	1	1						W
		(A=EXXXXXX) (B=EXXXXXX)									
13	2	104200-92350	DRIVER, SCREW	1	1						
14	2	104200-92600	BOX, TOOL	1	1						
15	2	28110-080100	SPANNER, 8X10	1	1						
16	2	28110-100130	SPANNER, 10X13	1	1						
17	2	28110-120140	SPANNER, 12X14	1	1						
18	2	28110-170190	SPANNER, 17X19	1	1						
19	1	177040-09050	WRENCH	1	1						W
		(A=EXXXXXX) (B=EXXXXXX)									

Fig.44. BILGE PUMP(OPTIONAL)



(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	977780-02411	PUMP,BILGE (24V	1							
2	2	X0318121011	MOTOR ASSY, PUMP	1							
3	2	X158606402X	SWITH	1							
4	3	X8636008003	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.45. FRONT DRIVING DEVICE(OPTIONAL)

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	124611-28510	BOLT, M10X30	6							
2	1	145610-54431	WASHER	1							
3	1	119192-89110	MOUNT, BEARING	1							
4	1	119192-89121	GASKET, HOUSING	1							
5	1	124411-89160	HOUSING, OIL SEAL	1							
6	1	119192-89210	SHAFT, DRIVE	1							
7	1	22512-100260	KEY, 10X 26	1							
8	1	24151-222080	BEARING, 22208	1							
9	1	24430-405806	SEAL, OIL VC405806	1							
10	1	24430-456006	SEAL, OIL VC456006	1							
11	1	24754-320020	CUP, GREASE 32X1/4	1							
12	1	26106-080162	BOLT, M8X 16 PLATED	4							
13	1	26106-100252	BOLT, M10X 25 PLATED	8							
14	1	26776-300002	NUT, LOCK M30	1							

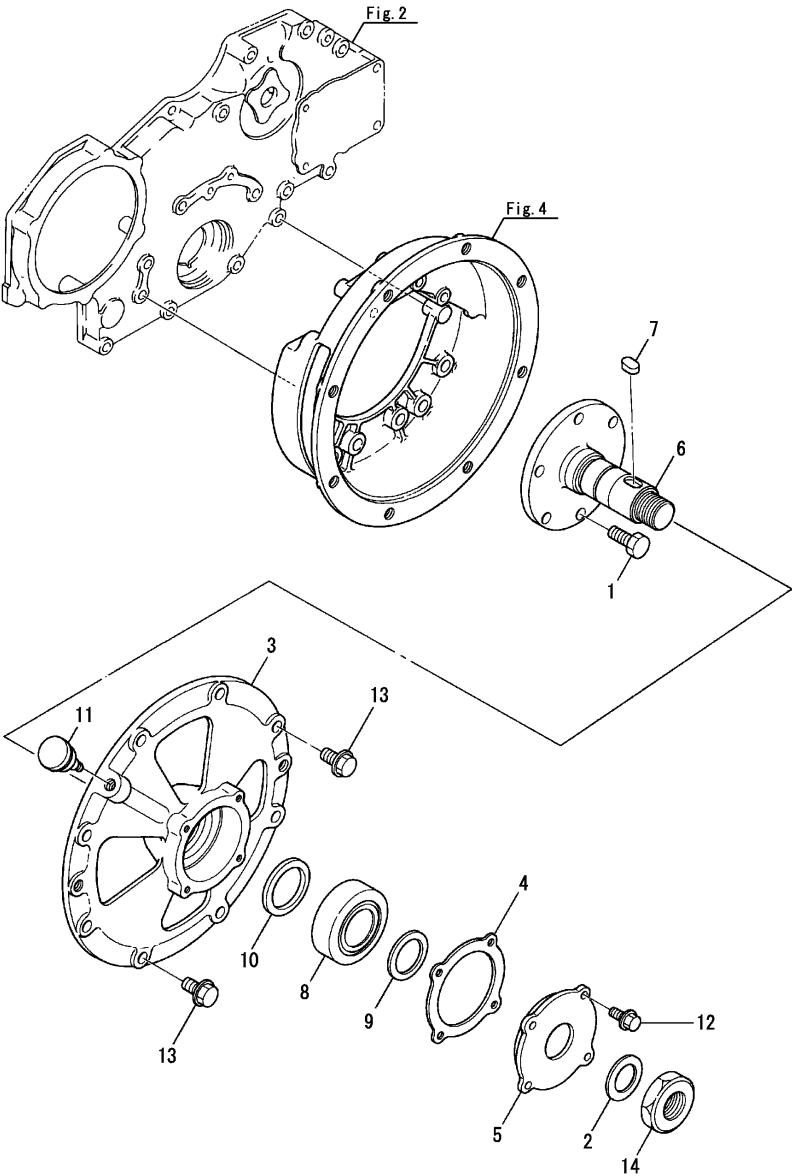
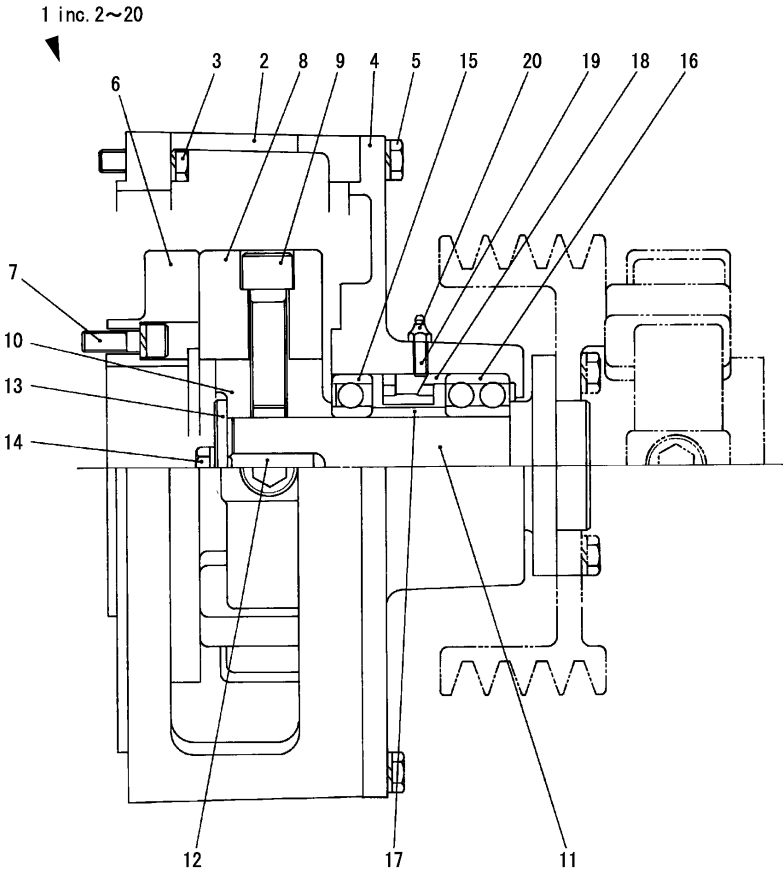


Fig.46. FPTO ELECTTON CLUTCH(BF500/OPTIONAL)

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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



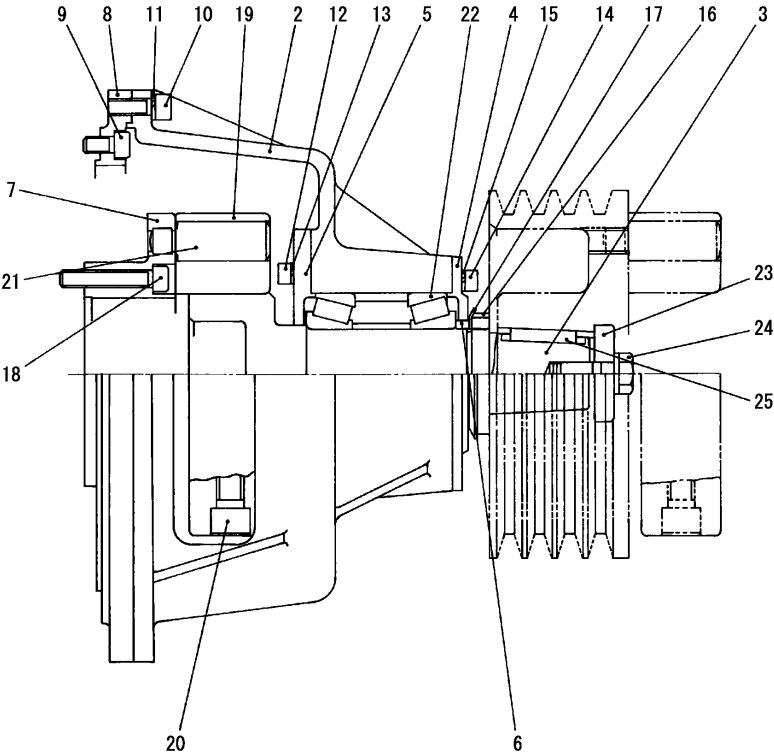
No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119194-89500	CLUTCH ASSY, BF500	1	1						
2	2	X32M11218	COVER	1	1						
3	2	119194-89750	BOLT, M10X30	8	8						
4	2	X32M11097	COVER, BEARING	1	1						
5	2	119194-89760	BOLT, M10X30	8	8						
6	2	X48M10346	JOINT	1	1						
7	2	119194-89770	BOLT, M10X35	6	6						
8	2	119194-89780	JOINT, RUBBER	1	1						
9	2	119194-89790	BOLT, M16X55	8	8						
10	2	X48M10306	BOSS	1	1						
11	2	X32M11100	SHAFT	1	1						
12	2	119194-89830	KEY, 12X8X47	1	1						
13	2	X4AM10025	RETAINER	1	1						
14	2	119194-89810	BOLT, M10X25	1	1						
15	2	119194-89860	BEARING, 6209-NK	1	1						
16	2	119194-89870	BEARING, 5200	1	1						
17	2	X42M11083	COLLAR, BEARING	1	1						
18	2	X42M11063	RETAINER, BEARING	1	1						
19	2	119194-89880	SCREW	1	1						
20	2	119194-89890	NIPPLE, GREASE PT1/8	1	1						

Fig.47. FPTO ELECTTON CLUTCH(BF501/OPTIONAL)

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

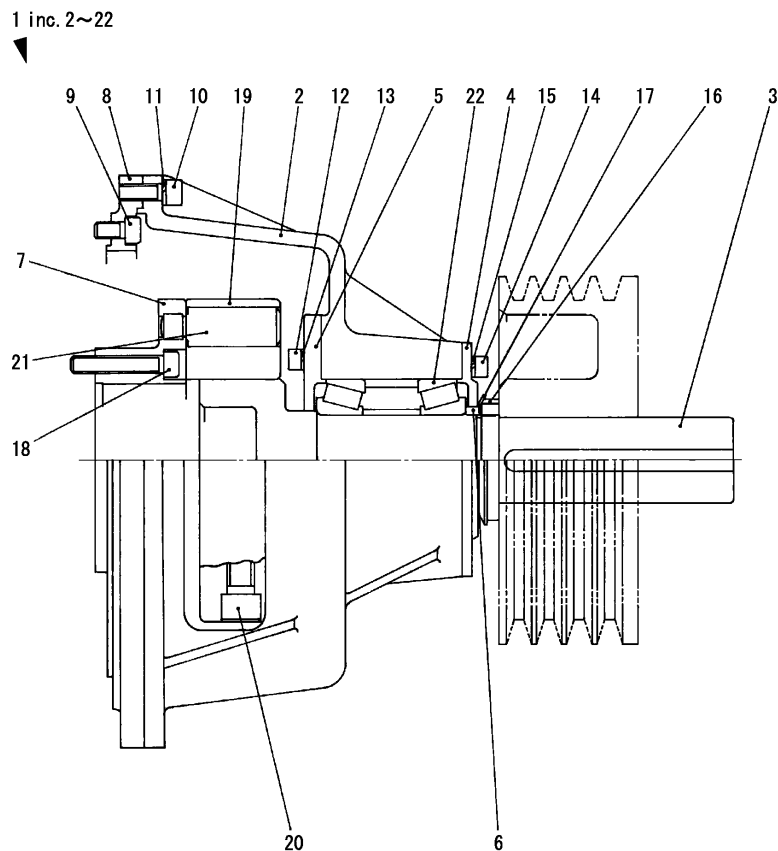
(D)=
(E)=
(F)=

1 inc. 2~25



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119194-89510	PTO ASSY,FRONT BF501	1	1						
2	2	XF972600020	CASE	1	1						
3	2	XF976960050	FLANGE	1	1						
4	2	XF825500060	COVER	1	1						
5	2	XF975300010	ADAPTER	1	1						
6	2	XF975560020	COLLAR	1	1						
7	2	XF978160010	RING	1	1						
8	2	XF815300320	ADAPTER	1	1						
9	2	XV12301009	BOLT, M10X25	6	6						
10	2	XV12301008	BOLT, M10X30	8	8						
11	2	XV14201010	WASHER, SPRING	8	8						
12	2	XV12300802	BOLT, M8X25	6	6						
13	2	XV14200810	WASHER, SPRING	6	6						
14	2	XV12300802	BOLT, M8X25	6	6						
15	2	XV14200810	WASHER, SPRING	6	6						
16	2	XV13201100	NUT	1	1						
17	2	XV14401100	WASHER	1	1						
18	2	XV12301014	BOLT, M10X60	1	1						
19	2	XY35900026	COUPLING, CF-50-O/S	1	1						
20	2	XV12301601	BOLT, M16X50	4	4						
21	2	XV12301601	BOLT, M16X50	4	4						
22	2	XY21100008	BEARING	1	1						
23	2	XF81550028	COVER	1	1						
24	2	XV12101407	BOLT, M14X35	1	1						
25	2	XV17106011	KEY, 12X8X50	1	1						

Fig.48. FPTO ELECTTON CLUTCH(BF502/OPTIONAL)



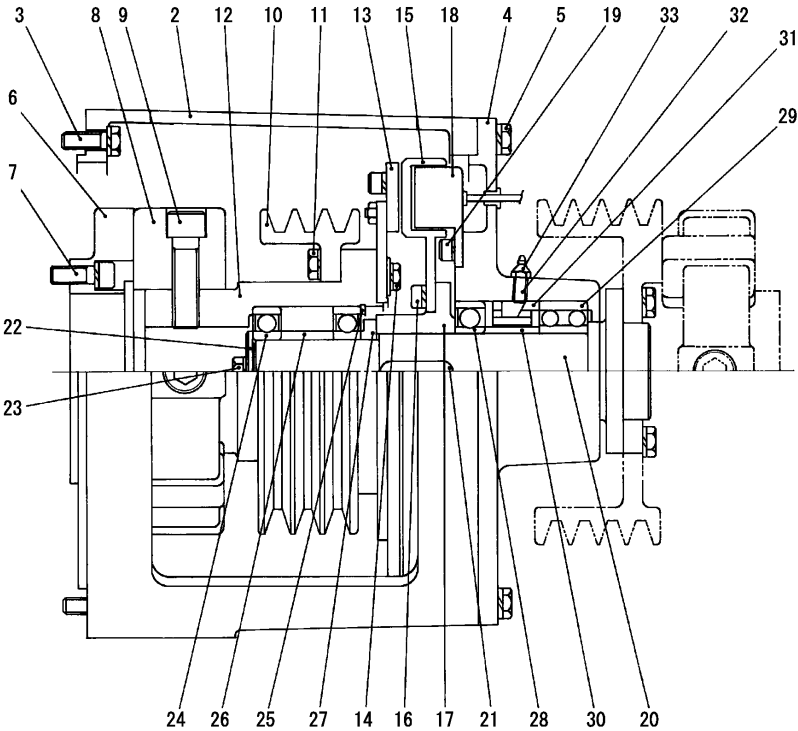
No.	Lev.	Parts No.	Description	(A)=4LH-WST (B)=4LH-WSTZY (C)=		(D)= (E)= (F)=				I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119194-89520	PTO ASSY,FRONT BF502	1	1						
2	2	XF972600020	CASE	1	1						
3	2	XF976960050	FLANGE	1	1						
4	2	XF825500060	COVER	1	1						
5	2	XF975300010	ADAPTER	1	1						
6	2	XF975560020	COLLAR	1	1						
7	2	XF978160010	RING	1	1						
8	2	XF815300320	ADAPTER	1	1						
9	2	XV12301009	BOLT, M10X25	6	6						
10	2	XV12301008	BOLT, M10X30	8	8						
11	2	XV14201010	WASHER, SPRING	8	8						
12	2	XV12300802	BOLT, M8X25	6	6						
13	2	XV14200810	WASHER, SPRING	6	6						
14	2	XV12300802	BOLT, M8X25	6	6						
15	2	XV14200810	WASHER, SPRING	6	6						
16	2	XV13201100	NUT	1	1						
17	2	XV14401100	WASHER	1	1						
18	2	XV12301014	BOLT, M10X60	6	6						
19	2	XY35900026	COUPLING, CF-50-O/S	1	1						
20	2	XV12301601	BOLT, M16X50	4	4						
21	2	XY71100240	BOLT, M10X30	4	4						
22	2	XY21100080	BEARING	1	1						

Fig.49. FPTO ELECTTON CLUTCH(CF500/OPTIONAL)

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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

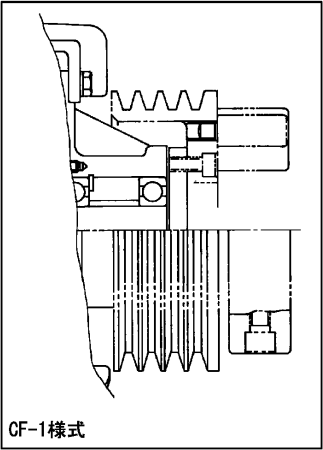
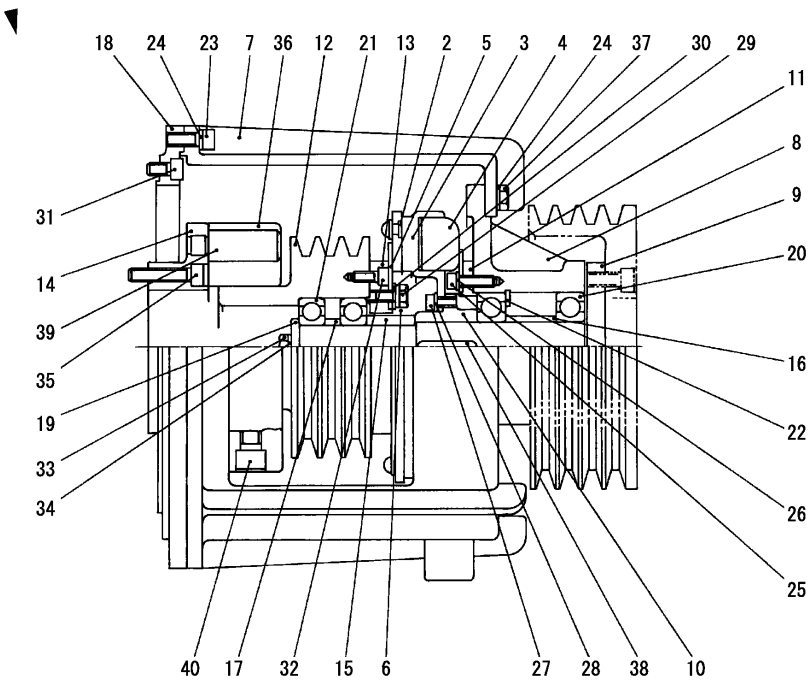
1 inc. 2~33
▼



No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119194-89700	PTO ASSY,FRONT CF500	1	1						
2	2	X32M11243A	COVER	1	1						
3	2	119194-89750	BOLT, M10X30	8	8						
4	2	X32M11097	COVER, BEARING	1	1						
5	2	119194-89760	BOLT, M10X30	8	8						
6	2	X48M10346	JOINT	1	1						
7	2	119194-89770	BOLT, M10X35	6	6						
8	2	119194-89780	JOINT, RUBBER	1	1						
9	2	119194-89790	BOLT, M16X55	8	8						
10	2	X3AM11719	PULLEY	1	1						
11	2	119194-89800	BOLT, M8X30	8	8						
12	2	X32M11244	BOSS	1	1						
13	2	X48M10002A	ARMATURE ASSY	1	1						
14	2	119194-89810	BOLT, M10X25	8	8						
15	2	X38M10005A	ROTOR	1	1						
16	2	119194-89820	BOLT, M8X18	6	6						
17	2	X42M11066A	BOSS	1	1						
18	2	X38M10004	COIL, FIELD	1	1						
19	2	119194-89820	BOLT, M8X18	6	6						
20	2	X32M11245	SHAFT	1	1						
21	2	119194-89830	KEY, 12X8X47	1	1						
22	2	X4AM10025	RETAINER	1	1						
23	2	119194-89810	BOLT, M10X25	1	1						
24	2	119194-89840	BEARING, 6200-2NK	2	2						
25	2	119194-89850	CIRCLIP	1	1						
26	2	X42M11072	COLLAR, BEARING	1	1						
27	2	X48M10137	COLLAR	1	1						
28	2	119194-89860	BEARING, 6209-NK	1	1						
29	2	119194-89870	BEARING, 5200	1	1						
30	2	X42M11083	COLLAR, BEARING	1	1						
31	2	X42M11063	RETAINER, BEARING	1	1						
32	2	119194-89880	SCREW	1	1						
33	2	119194-89890	NIPPLE, GREASE PT1/8	1	1						

Fig.50. FPTO ELECTTON CLUTCH(CF501/OPTIONAL)

1 inc. 2~40



(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

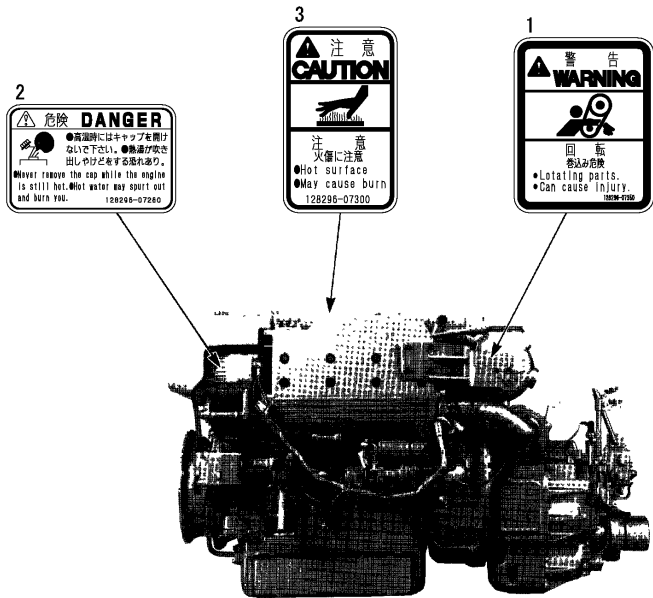
(D)=
(E)=
(F)=

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	119194-89710	PTO ASSY,FRONT CF501	1	1						
2	2	XW212133010	ARMATURE ASSY	1	1						
3	2	XW214700320	ROTOR ASSY	1	1						
4	2	XW213361260	FIELD ASSY	1	1						
5	2	XW216860110	PLATE	1	1						
6	2	XW216860040	PLATE	1	1						
7	2	XF812600320	CASE	1	1						
8	2	XF816630210	HOUSING	1	1						
9	2	XF816960400	FLANGE	1	1						
10	2	XF816720250	HUB	1	1						
11	2	XF815300300	ADAPTER	1	1						
12	2	XF816960410	FLANGE	1	1						
13	2	XF815300310	ADAPTER	1	1						
14	2	XF818160430	RING	1	1						
15	2	XF815560640	COLLAR	1	1						
16	2	XF815560650	COLLAR, BEARING A	1	1						
17	2	XF815560660	COLLAR, BEARING B	1	1						
18	2	XF815300320	ADAPTER	1	1						
19	2	XF815500350	COVER	1	1						
20	2	XV21130811	BEARING, 6308-2NK	2	2						
21	2	XV21130715	BEARING, 6307-2NK	2	2						
22	2	XV16109010	CIRCLIP, R-90	1	1						
23	2	XV12101002	BOLT, M10X30	8	8						
24	2	XV14200810	WASHER, SPRING	8	8						
25	2	XV12300806	BOLT, M8X25	6	6						
26	2	XV14200810	WASHER, SPRING	6	6						
27	2	XY12300003	BOLT, M8X14	6	6						
28	2	XV14200810	WASHER, SPRING	6	6						
29	2	XV12101013	BOLT, M10X20	8	8						
30	2	XV14201010	WASHER, SPRING	8	8						
31	2	XV12301009	BOLT, M10X25	6	6						
32	2	XV12300806	BOLT, M8X25	8	8						
33	2	XV12101002	BOLT, M10X30	1	1						
34	2	XV14201010	WASHER, SPRING	1	1						
35	2	XV12101012	BOLT, M10X35	6	6						
36	2	XY35900026	COUPLING, CF-50-O/S	1	1						
37	2	XY71100240	BOLT, M10X30	4	4						
38	2	XV17105008	KEY, 10X8X40	1	1						
39	2	XY71002400	BOLT	4	4						
40	2	XV12101601	BOLT, M16X50	4	4						

(A)=4LH-WST
(B)=4LH-WSTZY
(C)=

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

No.	Lev.	Parts No.	Description	Q'ty						I	R
				(A)	(B)	(C)	(D)	(E)	(F)		
1	1	128296-07350	LABEL, DANGER	1	1						
2	1	128296-07260	LABEL, DANGER	1	1						
3	1	128296-07300	LABEL, DANGER	1	1						



警告表示（ラベル）部品コード番号

No.	部品番号
1	128296-07350
2	128296-07260
3	128296-07300

安全銘板の張付け位置は、取扱説明書をご参照下さい。

Parts No. Index

Parts No.	Fig. No.	Ref. No.
103854-39140	13	16
104200-92350	41	2
	42	2
	43	4
		13
104200-92600	41	3
	43	5
		14
104264-59020	13	18
104407-44480	22	11
104507-07190	6	24
105582-07061	6	11
106100-55800	1	51
	26	6
114250-53210	27	13
114250-53400	27	18
114780-61090	24	86
119000-01500	2	1
119000-01520	2	2
119000-01740	2	4
119000-01771	2	5
119000-01840	1	12
119000-01880	1	10
119000-02020	1	19
119000-02410	1	5
119000-02450	12	2
119000-02930	1	23
119000-07200	8	47
119000-11170	8	8
119000-11230	8	33
119000-11260	8	36
119000-11270	8	37
119000-11280	8	38
119000-11290	8	39
119000-11990	8	11
119000-14100	12	4
119000-14200	12	6
119000-25050	1	38
119000-25060	1	41
119000-25100	1	39
119000-25910	26	1
119000-25920	26	2
119000-32001	2	21
119000-32020	2	38
119000-33022	16	32
119000-33030	16	33
119000-33041	16	34
119000-34030	16	27
119000-42021	18	21
119000-42051	18	8

Parts No.	Fig. No.	Ref. No.
119000-42141	18	10
119000-42151	18	9
119000-51050	23	7
119000-51060	23	9
119000-51151	23	19
119000-51161	23	22
119000-51170	23	23
119000-51181	23	24
119000-51330	23	34
119000-51411	23	43
119000-51430	23	20
119000-51450	23	44
119000-51511	23	51
119000-51550	23	54
119000-51570	23	55
119000-51580	23	56
119000-51590	23	57
119000-51650	23	58
119000-51800	23	72
119000-51900	23	73
119000-61052	24	83
119000-61120	24	10
119000-61180	24	94
119000-61470	24	112
119000-61490	24	22
119000-61630	24	42
119005-77350	32	12
	33	25
	52	14
	53	14
119100-01640	3	13
119100-11320	8	53
119100-11990	8	12
119100-12100	9	1
119100-12113	9	2
119100-26200	19	2
119100-28000	15	1
119100-28050	15	2
119100-28060	15	8
119100-28150	15	13
119100-28500	15	22
119100-28900	15	20
119100-51081	23	11
119100-51091	23	12
119129-77210	30	3
119129-77440	30	9
119129-77460	30	11
119129-77470	30	12
119129-77480	30	13
119129-77530	30	20

Parts No.	Fig. No.	Ref. No.
119129-77630	30	30
119129-77650	30	32
119129-77660	30	33
119129-77670	30	34
119129-77710	30	38
119129-77720	30	39
119129-77740	30	40
119142-01150	1	11
119171-08100	7	19
		31
119171-11150	8	28
119171-11370	8	21
119171-13510	10	1
		19
119171-14400	12	7
119171-42003	18	1
119171-42300	18	11
119171-42520	19	8
119171-42530	19	9
119171-49010	10	21
119171-49070	21	2
119171-49240	22	4
119171-49250	22	5
119171-49530	18	15
119171-77250	33	22
119171-77330	32	10
	33	23
	52	12
	53	12
119172-18140	13	4
119172-48250	22	18
119172-48480	22	7
119172-48540	22	8
119172-77150	52	9
	53	9
119172-77160	8	56
	52	10
	53	10
119173-03030	5	3
119173-03110	5	26
119173-11080	8	5
119173-11091	8	6
119173-11101	8	14
119173-11240	8	29
119173-11300	8	50
119173-11350	8	42
119173-18501	9	27
119173-22300	14	9
119173-33010	16	4
119173-33100	16	6

Parts No.	Fig. No.	Ref. No.
119173-39350	17	10
119173-39500	17	33
119173-39510	17	57
119173-49160	1	36
119173-49170	1	43
119173-61400	24	13
119174-01200	1	31
119174-01330	1	33
119174-01340	1	32
119174-01350	1	34
119174-01932	5	2
		13
119174-03192	5	9
		18
119174-13501	10	18
119174-13553	10	20
119174-18040	13	19
119174-18062	10	29
119174-18070	10	30
119174-18102	9	7
119174-18110	13	1
119174-18120	13	2
119174-18130	13	3
119174-18160	13	5
119174-18170	13	6
119174-18240	9	11
119174-18250	9	12
119174-18260	9	13
119174-18270	9	14
119174-25060	1	42
119174-32000	2	41
119174-33100	16	7
119174-33150	16	20
119174-35250	17	14
119174-35260	17	15
119174-35270	17	16
119174-35300	17	40
119174-35400	17	17
119174-39500	3	5
119174-39560	1	52
119174-39651	17	52
119174-44002	20	2
119174-44440	20	6
119174-44450	20	7
119174-44470	20	8
119174-49060	21	1
119174-49110	21	3
119174-49250	22	3
119174-49310	22	13
119174-49341	22	16

Parts No. Index

Parts No.	Fig. No.	Ref. No.
119174-49722	21	7
119174-55650	28	1
119174-61550	24	113
119174-67300	29	2
119174-67310	29	3
119174-67450	29	6
119174-67900	29	7
119175-03021	5	1
119175-11910	8	22
119175-39710	17	60
119175-39720	17	29
119175-51030	23	5
119175-51070	23	10
119175-51340	23	35
119175-53300	27	15
119175-77270	32	9
	52	11
	53	11
119181-01990	1	37
119181-39401	17	23
119181-44110	20	5
119181-59120	27	38
119181-59811	27	40
119181-59821	27	44
119181-59831	27	48
119181-59841	27	52
119181-67150	29	23
119182-08190	7	25
		39
119182-08200	7	26
		40
119183-91850	40	43
119183-91860	40	9
119187-01601	12	29
119187-01710	3	2
119187-01731	3	3
119187-08150	7	32
119187-08160	7	33
119187-08170	7	34
119187-08901	7	28
		47
119187-18550	9	28
119187-21590	12	25
119187-21650	12	20
119187-34820	3	18
119187-35090	3	22
119187-35100	3	26
119187-39300	17	28
119187-39360	17	30
119187-39370	17	31

Parts No.	Fig. No.	Ref. No.
119187-39610	17	50
119187-39700	17	41
119187-49300	22	12
119187-49321	22	14
119187-49331	22	15
119187-49350	22	21
119187-49360	22	17
119187-51500	23	50
119187-59013	28	18
119187-59022	28	19
119187-59460	28	28
119187-59540	28	27
119187-61071	24	84
119187-61190	24	12
119187-61201	24	95
119187-61300	24	102
119187-61651	24	150
119187-61661	24	151
119187-61911	24	32
119187-61920	24	33
119187-61930	24	34
119187-77500	32	1
119187-77600	34	10
119187-77610	34	11
119187-77814	34	3
119187-77816	34	3 -1
119187-77817	34	3 -2
119187-77823	34	7
119187-77825	34	7 -1
119187-77826	34	7 -2
119187-77831	32	8
119187-77860	34	9
119188-81010	38	1
119189-08210	7	41
119189-08910	7	23
		48
119189-18571	9	29
119189-34810	3	17
119189-35140	17	1
119189-49700	21	5
119189-49710	21	6
119189-91190	40	1
119189-91260	39	8
	40	8
119189-91270	40	47
119192-01070	7	1
119192-01851	4	1
119192-01860	4	2
119192-01870	4	3
119192-08120	7	27

Parts No.	Fig. No.	Ref. No.
119192-08440	7	51
119192-18341	10	2
119192-18360	10	4
119192-49700	21	23
119192-49910	21	17
119192-89110	45	3
119192-89121	45	4
119192-89210	45	6
119194-03030	5	14
119194-08200	7	20
119194-13501	10	9
119194-13520	10	11
119194-18352	10	3
119194-39500	17	32
119194-49011	10	13
119194-49741	21	8
119194-49900	21	16
119194-89500	46	1
119194-89510	47	1
119194-89520	48	1
119194-89700	49	1
119194-89710	50	1
119194-89750	46	3
	49	3
119194-89760	46	5
	49	5
119194-89770	46	7
	49	7
119194-89780	46	8
	49	8
119194-89790	46	9
	49	9
119194-89800	49	11
119194-89810	46	14
	49	14
		23
119194-89820	49	16
		19
119194-89830	46	12
	49	21
119194-89840	49	24
119194-89850	49	25
119194-89860	46	15
	49	28
119194-89870	46	16
	49	29
119194-89880	46	19
	49	32
119194-89890	46	20
	49	33

Parts No.	Fig. No.	Ref. No.
119194-91191	39	1
119195-03021	5	12
119195-14000	12	1
119195-18021	10	28
	11	1
119195-18860	10	31
119195-18880	10	32
119195-22081	14	1
119195-39700	5	23
119195-49730	21	24
119195-53000	27	3
119195-61500	24	23
119195-77200	53	1
119195-77700	53	2
119195-77710	53	3
119195-77720	53	4
119195-81010	38	3
119195-81020	38	2
119195-81030	38	4
119195-81040	38	5
119573-51200	23	25
119573-61030	24	4
119575-01750	12	31
119588-52180	25	15
119588-52190	25	16
119588-67320	29	5
119588-67330	29	5 A
119593-11110	8	15
119593-11870	8	43
119593-11880	8	44
119593-18370	9	15
119593-51100	23	14
119593-51300	23	31
119593-51520	23	52
119593-51530	23	53
119593-52000	23	88
	25	1
119593-52180	25	17
119593-53080	27	6
119593-53120	27	10
119593-53130	27	11
119593-53140	27	12
119593-59581	28	32
119593-59590	28	33
119593-59920	28	35
119593-59960	28	45
119593-59980	28	46
119593-61100	24	87
119593-61110	24	89
119593-61120	24	90

Parts No. Index

Parts No.	Fig. No.	Ref. No.
119593-61130	24	91
119593-61140	24	92
119593-61150	24	93
119593-61650	24	48
119593-61760	24	53
119593-61800	24	54
119593-61830	24	58
119593-61860	24	60
119593-61890	24	61
119593-61900	24	153
119593-61910	24	154
119593-61920	24	155
119593-61990	24	159
119594-53290	27	14
119594-61601	24	30
119594-61700	24	152
119594-61850	24	59
119595-13200	20	19
119595-59950	28	39
119595-61170	24	11
119620-49290	9	19
	20	20
119625-11900	8	45
119640-01640	3	1
119773-13160	20	4
119773-77030	30	48
	31	1
119773-91501	35	5
119773-91520	37	8
119885-01990	8	13
120130-39990	3	29
120220-66250	29	21
120270-77102	34	8
120320-61540	24	39
120322-07411	6	16
120323-61420	24	15
120323-61430	24	7
120324-07190	6	25
120324-07200	6	26
120324-07210	6	27
120324-07240	6	12
120324-55751	28	50
120324-55760	28	54
120324-77603	33	1
120325-61100	24	88
120445-44540	20	26
120445-44640	20	9
120445-49150	21	4
	22	2
121023-01551	2	3

Parts No.	Fig. No.	Ref. No.
121236-77340	32	11
	33	24
	52	13
	53	13
121252-39150	17	49
121254-77410	30	6
121254-77420	30	7
121254-77430	30	15
121254-77590	30	14
121254-77600	30	2
121254-77700	30	21
121254-77730	30	24
121254-77770	30	42
121254-77810	30	41
121550-49111	1	35
121575-91250	39	16
	40	16
121750-03080	5	6
		17
121750-59890	5	22
	28	21
	34	6
121750-59910	28	34
121820-52020	25	2
121820-52040	25	4
121820-52050	25	5
121820-52070	25	6
121820-52200	25	18
121820-52210	25	19
121820-52230	25	20
121820-52300	25	22
121820-52510	25	23
121850-01800	2	6
121850-01920	2	7
	16	3
121850-03050	5	4
		15
121850-11150	8	18
121850-11160	8	7
121850-21130	12	19
		24
121850-21200	12	13
121850-21290	12	14
121850-21920	12	17
121850-23200	14	16
121850-42250	18	22
121850-42280	18	12
121850-49540	18	16
121850-49550	18	17
121850-49810	18	18

Parts No.	Fig. No.	Ref. No.
121850-51700	23	71
121850-61470	24	20
121850-77021	9	30
	13	9
121950-28401	15	19
121952-51900	23	74
		75
122210-92601	42	4
122310-92900	7	12
122710-51050	23	8
122710-51350	23	42
122780-59080	27	30
123210-09310	9	16
123310-77640	30	51
123325-42021	19	5
123325-59420	28	20
		64
123325-77920	30	52
123325-77930	30	53
123372-59080	27	34
123472-42060	19	12
123472-42140	19	15
123472-42150	19	14
123482-39680	35	2
	37	7
123482-91291	39	17
	40	17
123672-55750	28	7
123672-55760	28	8
123672-55811	28	63
123678-13010	10	40
123678-13070	10	41
123678-55700	28	5
123678-55720	28	6
123678-55770	28	9
123678-55790	28	10
123678-55850	28	11
123678-55860	28	12
123678-55870	28	13
123678-55880	28	14
123678-55890	28	15
123682-07852	6	17
123682-77710	34	2
123688-13950	10	42
124060-39452	35	1
	36	1
124070-13300	3	4
124160-01751	8	49
124160-39140	13	17
124220-09340	6	19

Parts No.	Fig. No.	Ref. No.
124410-51861	25	21
124410-51960	26	3
124411-01080	7	2
124411-01780	3	15
124411-03051	5	5
		16
124411-11180	8	19
124411-35520	16	28
124411-89160	45	5
124413-39100	3	28
124450-01980	28	17
124460-77680	1	44
	20	21
	22	6
124610-21660	12	21
124610-35140	17	2
124610-51970	24	3
124610-77640	30	28
124611-28010	12	22
124611-28510	45	1
124616-61580	24	116
124617-11120	8	16
124617-11130	8	17
124617-77011	30	1
124617-77110	30	5
124617-77510	30	31
124617-77590	30	37
124617-91860	29	8
	36	9
124766-59050	13	20
124770-49310	34	1
124770-77940	28	22
124790-44560	20	27
126630-91350	37	2
126630-91371	37	3
126630-91570	37	4
126630-91591	37	5
126650-42301	19	19
127410-21480	12	28
127488-18910	13	7
127495-33190	16	8
127495-61540	24	28
127495-61660	24	50
127610-49430	13	8
127610-59150	28	74
127610-91350	35	4
	36	3
127620-91250	39	11
	40	11
127620-91660	39	4

Parts No. Index

Parts No.	Fig. No.	Ref. No.
127620-91660	40	4
127687-18910	10	33
127687-91760	39	14
	40	14
127687-91870	39	46
	40	7
127687-91880	39	45
	40	6
127692-91200	39	2
	40	2
127692-91210	39	5
	40	5
127692-91221	39	47
127692-91270	39	7
127692-91320	40	22
127692-91330	40	45
127692-91350	39	18
	40	18
127692-91410	39	40
	40	40
127692-91440	39	41
	40	41
127692-91450	39	42
	40	42
127692-91850	39	43
127692-91900	39	49
	40	50
127692-91950	39	50
	40	51
127695-35150	17	4
127695-35160	17	4 -1
127695-61071	24	85
127695-61450	24	19
127695-61551	24	147
127695-61552	24	147 -1
127695-61560	24	149
127695-61840	24	9
127695-61961	24	158
128170-91160	35	3
	36	2
	37	1
128296-07260	6	13
	51	2
128296-07300	6	14
	51	3
128296-07350	6	15
	51	1
128296-07400	6	28
128296-07420	6	29
128300-13230	10	27

Parts No.	Fig. No.	Ref. No.
129100-01580	1	14
		15
		16
	2	8
129100-61930	24	156
		157
129107-44590	20	16
129122-44480	5	10
129150-11750	8	34
129155-51280	23	30
129170-91610	39	34
129170-91810	39	6
129171-44600	20	15
129198-59540	17	26
129466-49110	5	19
		24
129470-11920	27	2
129470-34850	3	19
129470-91190	39	23
	40	23
129495-59551	28	30
129495-59561	28	31
129574-77720	34	5
129574-77980	36	8
129574-91240	39	10
	40	10
129574-91410	39	15
	40	15
129574-91420	39	26
	40	26
129574-91430	39	29
	40	29
129574-91440	39	32
	40	32
129574-91490	39	12
	40	12
129574-91530	39	56
	40	57
129574-91540	39	57
	40	58
129574-91550	39	58
	40	59
129574-91561	36	6
129574-91570	36	7
129574-91600	39	38
	40	38
129574-91610	40	34
129574-91620	39	25
	40	25
129574-91630	39	28

Parts No.	Fig. No.	Ref. No.
129574-91630	40	28
129574-91640	39	31
	40	31
129574-91650	39	39
	40	39
129574-91710	39	35
	40	35
129574-91720	39	27
	40	27
129574-91730	39	30
	40	30
129574-91740	39	33
	40	33
129574-91750	39	36
	40	36
129574-91760	39	48
	40	49
129574-91770	39	37
	40	37
129574-91780	39	20
	40	20
129574-91790	39	21
	40	21
129574-91800	39	19
	40	19
129574-91810	40	46
129574-91860	39	9
129574-91870	39	3
	40	3
129574-91880	39	13
	40	13
129574-91890	39	22
	40	48
129574-91930	39	24
	40	24
129574-91960	39	51
	40	52
129574-91970	39	52
	40	53
129590-18520	13	15
	17	39
129590-67310	29	4
129595-61600	24	40
129595-61610	24	8
129595-61620	24	41
129595-61671	24	51
129595-61681	24	52
129670-49290	1	50
	22	1
129792-39610	17	51

Parts No.	Fig. No.	Ref. No.
129795-61470	24	21
129900-77800	32	2
129900-77810	32	3
129900-77890	32	4
129900-77900	32	5
129900-77910	32	6
129900-77920	32	7
129908-77250	52	1
129908-77780	52	2
	53	5
129908-77790	52	3
	53	6
129908-77800	52	4
	53	7
129908-77810	52	5
129908-77820	52	6
129908-77830	52	7
	53	8
129908-77840	52	8
133615-92350	42	3
135200-52170	25	14
135400-01790	1	29
	16	2
135602-34390	1	13
137600-53900	23	76
144606-54900	26	4
144606-54910	26	5
144626-51090	23	13
144626-91570	35	6
	36	4
145610-54431	45	2
148616-61650	24	49
158563-51662	23	70
158600-51270	23	29
158601-61510	24	148
171051-01921	1	4
171078-66551	29	1
171353-61460	24	111
177040-09050	41	8
	42	18
	43	2
		19
177050-02811	6	2
177050-02821	6	3
177055-02951	6	4
177055-02961	6	5
177058-02450	6	1
177061-02811	6	22
177301-54900	9	17
177551-02951	6	23

Parts No. Index

Parts No.	Fig. No.	Ref. No.
189010-92020	43	3
194170-65891	6	21
196630-12980	6	20
22117-050000	24	62
		160
22117-080000	24	63
	29	10
22117-160000	7	45
22137-060000	29	9
22137-080000	3	11
	17	59
	20	18
	24	64
	28	65
22137-100000	32	13
	33	27
	52	15
	53	15
22137-120000	30	50
	31	2
22137-160000	7	13
22190-060000	23	77
22190-080002	17	25
	24	65
		161
22190-080003	2	20
22190-100002	24	162
22190-120002	24	66
		163
		164
22190-140002	28	23
		24
		47
22190-160002	24	67
22190-220002	3	6
22217-050000	29	24
22217-060000	24	165
	25	24
	29	11
22217-080000	28	66
	29	25
22217-160000	7	14
22242-000180	8	40
22242-000200	23	21
22252-000370	14	10
22252-000470	19	17
22272-000040	24	36
		68
		166
22272-000060	24	69

Parts No.	Fig. No.	Ref. No.
22272-000080	24	70
		71
22276-000100	24	167
22312-080140	7	3
		21
		35
22312-080180	4	4
22322-030220	24	18
22351-020008	23	78
22351-020012	23	79
22351-030016	24	57
		72
22351-030025	24	168
22351-040008	1	28
22351-050012	26	7
22351-050020	24	169
22351-060012	17	18
22351-080016	1	17
22360-050000	29	12
22360-060000	29	13
22360-080000	29	14
22372-050000	24	170
22492-060362	24	73
22512-050140	15	7
		12
22512-070140	12	5
		18
22512-100260	45	7
22724-800380	30	54
23000-013000	17	47
	28	48
		49
23000-016000	1	45
	28	67
		75
23000-022000	5	25
23000-025000	17	53
23000-035000	5	27
23000-048000	10	14
		22
	21	9
23000-054000	21	10
		22
23000-060000	13	10
	21	11
23010-013000	20	28
23061-070300	1	46
	20	22
	22	9
23072-142000	21	21

Parts No.	Fig. No.	Ref. No.
23297-060081	17	24
23414-100000	1	30
	13	21
	16	15
	17	48
		54
23414-120000	13	22
23414-140000	1	18
	28	68
23414-140018	28	25
23414-170000	10	34
	16	31
23414-180000	16	31
	17	19
23414-220029	23	80
23414-240000	9	18
23440-080000	10	15
		43
23857-030000	1	55
23857-080000	28	26
		69
23871-030000	18	7
23875-030000	22	19
23876-005000	8	9
	15	17
23876-020000	3	12
		30
	17	20
23876-030000	1	6
	8	10
	17	5
	36	5
	37	6
23876-040000	16	16
23878-040000	10	12
23887-100002	24	171
23887-160002	24	74
23894-030002	10	35
24101-060064	19	21
24104-062044	19	16
24151-222080	45	8
24311-000110	24	172
24311-000120	17	6
		34
	24	75
24311-000160	12	32
	17	21
24311-000180	17	7
24311-000200	19	18
24311-000220	3	23

Parts No.	Fig. No.	Ref. No.
24311-000320	8	54
24311-000900	16	17
24311-001200	20	11
24316-000200	17	55
24321-000250	17	11
24321-000300	20	12
	21	12
24321-000700	19	11
24341-000080	24	76
24341-000100	3	20
24341-000240	2	9
24341-000500	23	81
24341-000800	2	42
	19	22
24341-001350	26	8
24356-190150	23	82
24356-190160	23	83
24430-405806	45	9
24430-456006	45	10
24754-320020	45	11
26013-080162	3	24
26106-050102	32	14
	34	12
26106-060102	29	15
26106-060122	3	27
	17	58
	24	173
26106-060162	17	56
26106-060182	2	10
	5	8
		20
	23	84
	24	77
26106-060202	13	11
	18	19
	21	13
	27	32
		36
	29	16
26106-060222	24	174
26106-060252	27	56
26106-060302	24	175
	30	43
26106-060352	21	14
26106-060356	24	176
26106-060452	5	7
	18	20
	30	44
26106-060502	13	12
26106-080102	18	14

Parts No. Index

Parts No.	Fig. No.	Ref. No.
26106-080122	1	47
	17	27
	21	15
	24	177
	29	17
26106-080142		18
		26
	15	18
	20	10
	52	16
26106-080162	53	16
	2	39
	3	21
		25
	9	31
		32
	10	5
		23
	12	8
	17	36
	22	10
		20
	34	4
	45	12
	2	11
26106-080202		13
	9	3
		33
		34
		35
	10	6
		24
	13	13
		14
	16	35
		36
	19	23
	21	18
	32	15
	33	28
	52	17
	53	17
	2	12
		43
	3	7
26106-080252		16
	8	55
	16	18
		22
		23

Parts No.	Fig. No.	Ref. No.
26106-080252	17	12
		37
	20	13
	26	9
	28	2
26106-080302	9	23
	17	13
26106-080352	1	48
	3	8
	16	37
		38
		49
26106-080402	2	14
	28	70
	2	15
		44
		40
26106-080452	16	39
	17	8
	2	16
		17
		45
26106-080502	8	46
	18	13
	2	46
	9	4
	2	18
26106-080552	4	5
	2	19
	17	9
	9	5
	3	9
26106-080652	26106-080702	
		12
		23
		17
		38
26106-080752	8	48
	9	24
	28	71
	7	36
	8	48
26106-080902		-1
		57
	16	24
	28	3
	38	7
26106-080952	45	13
	52	20
	53	20
	7	22
		37
26106-081102		38
		12
		33
26106-081152		
26106-081202		
26106-100162		
26106-100202		
26106-100252		
26106-100302		

Parts No.	Fig. No.	Ref. No.
26106-100302	38	6
	7	4
		5
	12	34
	4	6
26106-100352	7	6
	19	20
	10	16
	10	44
	10	45
26106-100452	30	45
	29	19
	24	178
	29	27
	4	7
26106-100702	20	23
	3	10
	32	16
	33	29
	52	18
26113-060102	53	18
	30	49
	31	3
	15	21
	7	46
26113-160452	7	24
	10	36
	16	21
	23	85
	9	25
26113-160502	10	25
	10	7
	8	23
	8	24
	10	37
26116-050082	20	14
	26	10
	8	26
	9	26
	10	8
26116-050142		26
	16	19
		40
	19	24
	20	29
26116-060306	28	72
	26	11
	32	17
	33	30
26116-080252		
26116-081252		
26116-081402		
26116-081902		
26116-101202		
26116-120302		
26116-121002		
26156-160552		
26156-160602		
26203-100302		
26212-080162		
26216-060162		
26216-080162		
26216-080202		
26216-080352		
26216-080652		
26216-081402		
26223-100252		
26226-100322		
26306-080002		
26306-100002		

Parts No.	Fig. No.	Ref. No.
26306-100002	52	19
	53	19
	8	25
	27	33
		37
26366-060002	29	22
	17	35
	23	86
	24	179
	30	46
26366-080002	39	54
	40	55
	5	11
		21
	30	47
26376-120002	29	28
	39	53
	40	54
	24	37
	24	78
26450-050122	10	38
		39
	28	73
	10	17
		46
26557-040062		47
	29	20
		29
	24	38
		79
26557-040122	25	25
	39	55
	40	56
	29	30
	7	15
26557-050122	7	29
		49
	24	80
		81
	7	30
26559-060122		50
	45	14
	24	82
		180
	1	7
26577-060162	8	41
	1	8
	1	9
	8	20
	41	4
26667-080002		
26703-100002		
26706-100002		
26713-160002		
26716-050002		
26716-060002		
26716-080002		
26716-160002		
26736-160002		
26756-080002		
26776-160002		
26776-300002		
26777-120002		
27231-600000		
27241-100000		
27241-140000		
27241-400000		
27310-090001		

Parts No. Index

Parts No.	Fig. No.	Ref. No.
28110-080100	42	5
	43	15
28110-100130	41	5
	42	6
	43	6
		16
28110-120140	41	6
	42	7
	43	7
		17
28110-170190	41	7
	42	8
	43	8
		18
28110-220240	42	9
	43	9
28110-270300	42	10
28150-050000	43	10
28150-060000	43	11
28160-220240	42	11
28312-200750	42	12
28312-250750	42	13
28312-300750	42	14
28312-350750	42	15
28312-400750	42	16
28322-020000	42	17
41650-550310	28	4
41650-550810	28	16
41701-001720	29	31
41710-000410	29	32
41710-001300	29	33
41730-501250	29	34
41730-501421	29	35
42215-002440	7	7
43121-030110	10	48
43530-500610	21	19
43662-030031	21	20
45511-552030	7	16
45521-556100	7	11
46120-501480	31	4
46150-003620	39	44
	40	44
719000-02800	1	20
719000-11651	8	31
719171-33100	16	25
719174-18200	9	6
719174-23100	14	11
719174-23600	14	17
719174-33700	16	1
719174-42100	19	1

Parts No.	Fig. No.	Ref. No.
719175-54102	26	12
719183-01560	1	1
719183-22500	14	3
719189-21700	12	9
719194-44500	20	1
719195-11700	8	1
719195-51300	23	1
719195-53100	27	1
719195-92500	41	1
	43	12
719195-92510	42	1
720445-44200	20	24
729499-92100	43	1
977780-02411	44	1
977780-03000	44	9
X0044021509	44	7
X0300120414	28	57
X0311120810	28	55
X0313080922	28	59
X0314080110	28	61
X0318121011	44	2
X0580121073	28	56
X0582810173	28	53
X0588080273	28	60
X0600160122	28	58
X0993071171	28	62
X158606402X	44	3
X179100022X	44	5
X179100100X	44	6
X199906101X	44	8
X21142742	31	34
X21203744	31	30
X21301402	31	17
X21302115	31	8
X21302302	31	6
X21302605	31	24
X21303302	31	7
X21303610	31	25
X21305313	31	15
X21305820	31	26
X22501113	31	19
X225017006	31	27
X225021001	31	5
X225023014	31	12
X22502325	31	32
X225025004	31	20
X225032001	31	10
X22503323	31	14
X225036002	31	22
X22505322	31	11

Parts No.	Fig. No.	Ref. No.
X225054001	31	16
X22505770	31	28
X22506310	31	13
X22506770	31	29
X22507105	31	9
X22507770	31	31
X225097005	31	21
X22509776	31	33
X2740134002	28	51
X32M11097	46	4
	49	4
X32M11100	46	11
X32M11218	46	2
X32M11243A	49	2
X32M11244	49	12
X32M11245	49	20
X38M10004	49	18
X38M10005A	49	15
X3AM11719	49	10
X42M11063	46	18
	49	31
X42M11066A	49	17
X42M11072	49	26
X42M11083	46	17
	49	30
X48M10002A	49	13
X48M10137	49	27
X48M10306	46	10
X48M10346	46	6
	49	6
X4AM10025	46	13
	49	22
X6201SD	33	4
X6303BM	33	17
X8636008003	44	4
XF812600320	50	7
XF815300300	50	11
XF815300310	50	13
XF815300320	47	8
	48	8
	50	18
XF81550028	47	23
XF815500350	50	19
XF815560640	50	15
XF815560650	50	16
XF815660660	50	17
XF816630210	50	8
XF816720250	50	10
XF816960400	50	9
XF816960410	50	12

Parts No.	Fig. No.	Ref. No.
XF818160430	50	14
XF825500060	47	4
	48	4
XF972600020	47	2
	48	2
XF975300010	47	5
	48	5
XF975560020	47	6
	48	6
XF976960050	47	3
	48	3
XF978160010	47	7
	48	7
XKFD4LH4251	19	4
XKFD4LH4255	19	10
XKFEM420210	19	13
XL12013262	33	10
XL1501313	33	12
XL15018015	33	20
XL1501810	33	21
XL15028001	33	18
XL150M14041	33	16
XL2256310	33	13
XL23534011	33	15
XL23552001	33	5
XL2355320	33	14
XL2356100	33	3
XL23583011	33	7
XL235G13002	33	6
XL235G3330	33	9
XL235G5500	33	19
XL235G6318	33	2
XL235G7315	33	8
XLTR2Z46	33	11
XNB133206	11	23
XNH163006	11	22
XNH163329	11	17
XNH163376	11	20
XNH164105	11	15
XNH164106	11	14
XNH167612	11	16
XNH261081	11	3
XNH261103	11	4
XNH261107	11	8
XNH261201D	11	2
XNH263501	11	11
XNH263502	11	12
XNH264962	11	13
XNH265520	11	9
XNN131008	11	5

Parts No. Index

Parts No.	Fig. No.	Ref. No.
XNN137007	11	19
XNN137423	11	18
XNN171006	11	6
XNN193012	11	10
XNN971007	11	7
XNN977003	11	21
XV12101002	50	23
		33
XV12101012	50	35
XV12101013	50	29
XV12101407	47	24
XV12101601	50	40
XV12300802	47	12
		14
	48	12
		14
XV12300806	50	25
		32
XV12301008	47	10
	48	10
XV12301009	47	9
	48	9
	50	31
XV12301014	47	18
	48	18
XV12301601	47	20
		21
	48	20
XV13201100	47	16
	48	16
XV14200810	47	13
		15
	48	13
		15
	50	24
		26
		28
XV14201010	47	11
	48	11
	50	30
		34
XV14401100	47	17
	48	17
XV16109010	50	22
XV17105008	50	38
XV17106011	47	25
XV21130715	50	21
XV21130811	50	20
XW212133010	50	2
XW213361260	50	4

Parts No.	Fig. No.	Ref. No.
XW214700320	50	3
XW216860040	50	6
XW216860110	50	5
XY12300003	50	27
XY21100008	47	22
XY21100080	48	22
XY35900026	47	19
	48	19
	50	36
XY71002400	50	39
XY71100240	48	21
	50	37

Parts No.	Fig. No.	Ref. No.
-----------	----------	----------

Parts No.	Fig. No.	Ref. No.
-----------	----------	----------