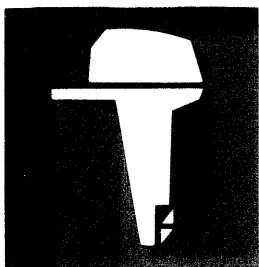


YAMAHA

parts catalogue '84



outboard motor

CONTENTS

115A/140A	5
150A/175A/200A	51
220A	95
ALTERNATE PARTS	141
NUMERICAL INDEX	163

**115A
140A**

**150A
175A
200A**

220A

A.P.

FOREWORD

This Parts Catalogue is related to the parts in use for the Yamaha outboard motor '84model. When you are ordering replacement parts for the '84model, refer to this Parts Catalogue and quote both part numbers and part names correctly.

1. Modifications or additions which have been made after issue of the Parts Catalogue will be announced in the Yamaha Parts News.

It is advisable that according to the Yamaha Parts News you make necessary corrections to the Parts Catalogue on hand to keep it up-to-date.

2. Abbreviations

The following abbreviations are used in this Parts Catalogue.

U.R. Use size (thickness) and/or number as required.

U.N. Use as many as you need.

A.P. Alternate Parts

3. Parts, which are to be supplied in the form of assemblies, are listed with an indention of one letter's space, and a dot (.) is put against the name of each part.

EXAMPLE

CARBURETOR ASS'Y

. JET, pilot

. NOZZLE, main

4. Indication of No. of constituent parts for assembly.

The numeral appearing to the right of each constituent part under the description indicates the quantity of such parts for each individual assembly unit.

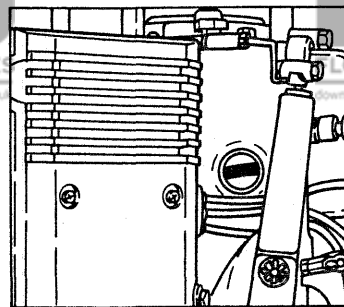
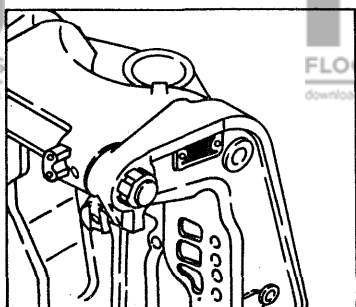
EXAMPLE

Part No.	Description	Q'ty	Remarks
6E0-85500-70	C.D.I. MAGNETO ASS'Y	1	
6E0-85550-70	. ROTOR ASS'Y	1	
6E0-15723-00-94	. . PULLEY, starter	1	

FOREWORD

5. Initial Serial No. and Color Code

Engine Serial No.	115AEO L:450101 and following UL:750101 and following 115AETO L:350101 and following UL:700101 and following 140AETO L:350101 and following UL:700101 and following 150AETO L:400101 and following UL:750101 and following 175AETO L:400101 and following UL:750101 and following 200AETO L:400101 and following UL:750101 and following 220AETO L:300101 and following UL:700101 and following
-------------------	--



Color Code	Color Name	Abbreviate
EK	METALIC MARINE SILVER	MMS
EJ	METALIC MARINE BLUE	MMB
36	CLEAN WHITE	W

**115A
140A**

115A(6E5) 140A(6F3)

CONTENTS

Fig. 1	CRANKCASE & CYLINDER	8
Fig. 2	CRANK & PISTON	10
Fig. 3	INTAKE	12
Fig. 4	CARBURETOR	14
Fig. 5	FUEL	16
Fig. 6	TOP COWLING	18
Fig. 7	BOTTOM COWLING	20
Fig. 8	BRACKET 1	22
Fig. 9	POWER TRIM & TILT	24
Fig. 10	BRACKET 2 (MANUAL TILT MODEL)	26
Fig. 11	CONTROL	28
Fig. 12	UPPER CASING	30
Fig. 13	LOWER & DRIVE 1	32
Fig. 14	LOWER & DRIVE 2	34
Fig. 15	C.D.I. MAGNETO	36
Fig. 16	ELECTRIC MOTOR	38
Fig. 17	ELECTRIC PARTS 1	40
Fig. 18	ELECTRIC PARTS 2	42
Fig. 19	OIL PUMP	44
Fig. 20	OIL TANK	46
Fig. 21	POWER TRIM & TILT ASS'Y	48
Fig. 22	REPAIR KIT	50

Fig. 1 CRANKCASE & CYLINDER

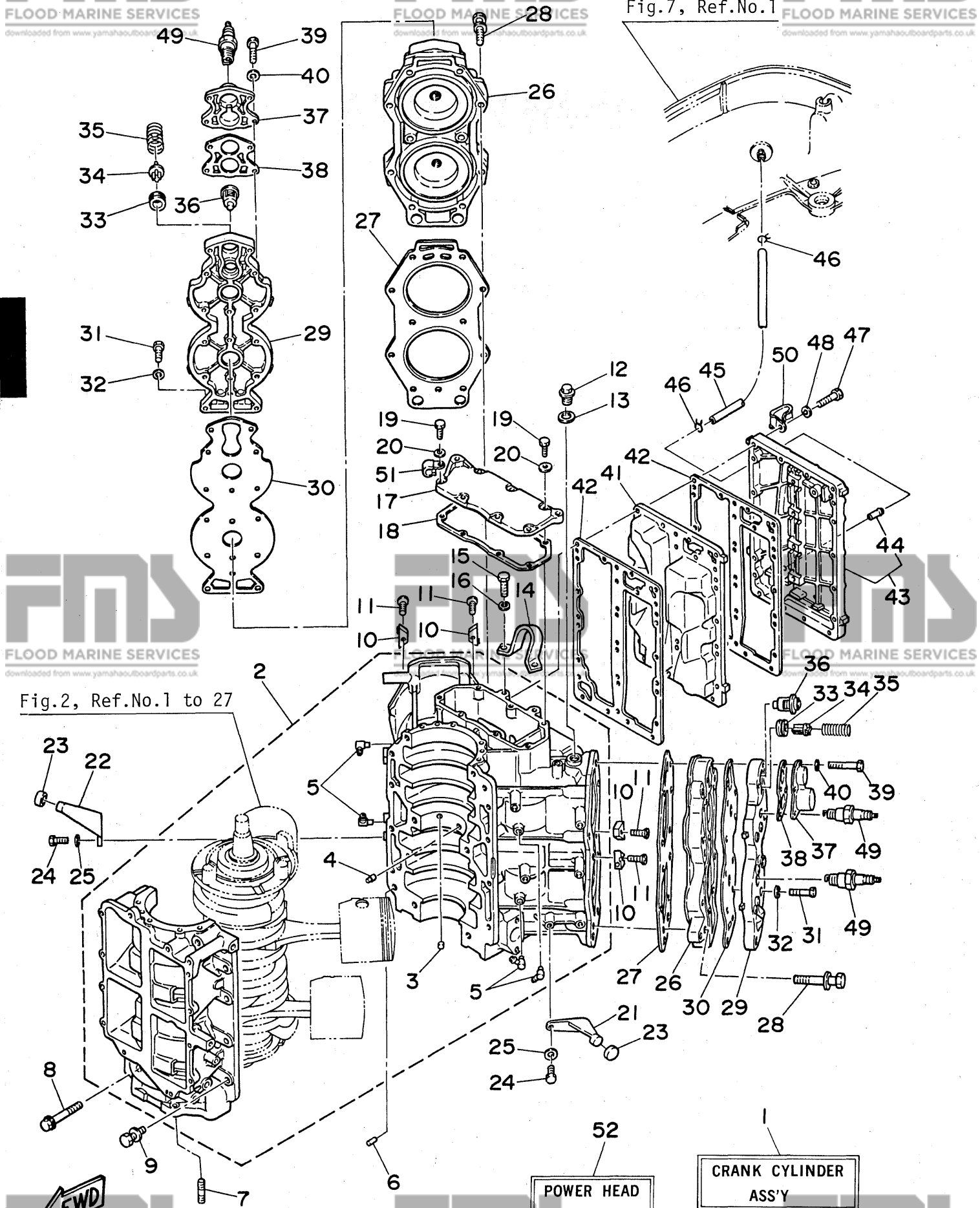


Fig. 1 CRANKCASE & CYLINDER

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-W0090-10-EJ	CRANK CYLINDER ASS'Y (115A Model)(Ref. No. 2 to 49 and Fig. 2, Ref. No. 1 to 27) 1 U.R.		25	92903-06600	WASHER	4
※	6F3-W0090-10-EJ	CRANK CYLINDER ASS'Y (140A Model)(Ref. No. 2 to 49 and Fig. 2, Ref. No. 1 to 27) 1 U.R.		26	6E5-11111-00-94	HEAD, cylinder (115A Model)	2 U.R.
2	6E5-15100-02-94	CRANKCASE ASS'Y (115A Model)	1 U.R.	※	6F3-11111-00-94	HEAD, cylinder (140A Model)	2 U.R.
※	6F3-15100-02-94	CRANKCASE ASS'Y (140A Model)	1 U.R.	27	6E5-11181-02	GASKET, cylinder head	2
3	624-11379-00	. VALVE, check	1	28	90119-08M21	BOLT, with washer	20
4	663-11518-01	. LOCK, bearing	1	29	6E5-11191-00-9M	COVER, cylinder head	2
5	6E5-11372-00	. NIPPLE, hose 2	4	30	6E5-11193-01	GASKET, head cover	2
6	93608-12063	PIN, dowel B	2	31	97313-06030	BOLT	24
7	90116-08M14	BOLT, stud	2	32	92903-06600	WASHER	24
8	90105-10M20	BOLT	6	33	90480-18065	GROMMET	2
9	90119-08M23	BOLT, with washer	8	34	663-12416-00	VALVE, pressure control	2
10	6E5-11325-00	ANODE	4	35	90501-16M22	SPRING, compression	2
11	98680-04016	SCREW, ovalhead	4	36	6E5-12411-00	THERMOSTAT	2
12	90340-14M00	PLUG, straight screw	1	37	688-12413-00-9M	COVER, thermostat	2
13	90430-14115	GASKET	1	38	688-12414-00	GASKET, thermostat cover	2
14	6E5-11119-00	HANGER, engine	1	39	97313-06040	BOLT	8
15	97313-08020	BOLT	2	40	92903-06600	WASHER	8
16	92903-08100	WASHER	2	41	6E5-41111-00-9M	INNER COVER, exhaust	1
17	6E5-11371-00-9M	COVER	1	42	6E5-41112-00	GASKET, exhaust cover	2
18	6E5-11381-00	GASKET, cover	1	43	6E5-41113-00-9M	OUTER COVER, exhaust	1
19	97313-06020	BOLT	7	44	650-24378-00	. PIPE, joint 3	1
20	92903-06600	WASHER	7	45	6E5-24312-00	HOSE 2	1
21	6E5-42761-00-94	STOPPER 1	1	46	90467-08004	CLIP	2
22	6E5-42762-00-94	STOPPER 2	1	47	97313-06035	BOLT	23
23	663-44533-00	DAMPER	2	48	92903-06600	WASHER	23
24	97313-06020	BOLT	4	49	94701-00160	PLUG, spark (B8HS 10) NGK	4
				50	90465-08M08	CLAMP	3
				51	90465-08M07	CLAMP	1
				■52	6E5-W0001-01	POWER HEAD GASKET KIT (115A Model)	1 U.R.
				■※	6F3-W0001-01	POWER HEAD GASKET KIT (140A Model)	1 U.R.

※Not shown

■See Fig. 22 for detail service parts.

FMS
FLOOD MARINE SERVICES



115A/140A

Fig. 2 CRANK & PISTON

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-15163-00-94	HOUSING, bearing 1	1	14	6E5-11610-01	PISTON RING SET (S.T.D.)	4
2	93102-40M14	OIL SEAL	1	※	6E5-11610-11	PISTON RING SET (1st O.S.)	4 A.P.
3	93211-04M36	O-RING	2	※	6E5-11610-21	PISTON RING SET (2nd O.S.)	4 A.P.
4	93311-940U3	BEARING, needle	1	15	6E5-11633-01	PIN, piston	4
5	97313-06020	BOLT	4	16	6E5-11634-00	CLIP, piston pin	8
6	92903-06600	WASHER	4	17	93603-21111	BEARING, con-rod small end	120
7	6E5-11411-01	SHAFT, crank 1	1	18	90201-21M75	WASHER	8
8	6E5-11447-00	SEAL, ring	6	19	6E5-11650-01	CONNECTING ROD ASS'Y	4
9	93310-954V3	BEARING, needle	1	20	90109-08462	. BOLT	8
10	93306-208U0	BEARING (B6208)	1	21	93310-836V2	BEARING, needle	4
11	93410-40M03	CIRCLIP	1	22	6G5-15359-00-94	HOUSING, oil seal	1
12	6G5-11631-00-93	PISTON 1 (S.T.D.)	2	23	93102-35M13	OIL SEAL	1
※	6G5-11635-00	PISTON 1 (1st O.S.)	2 A.P.	24	93101-22M15	OIL SEAL	1
※	6G5-11636-00	PISTON 1 (2nd O.S.)	2 A.P.	25	93210-74M35	O-RING	1
13	6G5-11642-00-93	PISTON 2 (S.T.D.)	2	26	97395-06020	BOLT	4
※	6G5-11645-00	PISTON 2 (1st O.S.)	2 A.P.	27	92990-06600	WASHER	4
※	6G5-11646-00	PISTON 2 (2nd O.S.)	2 A.P.				

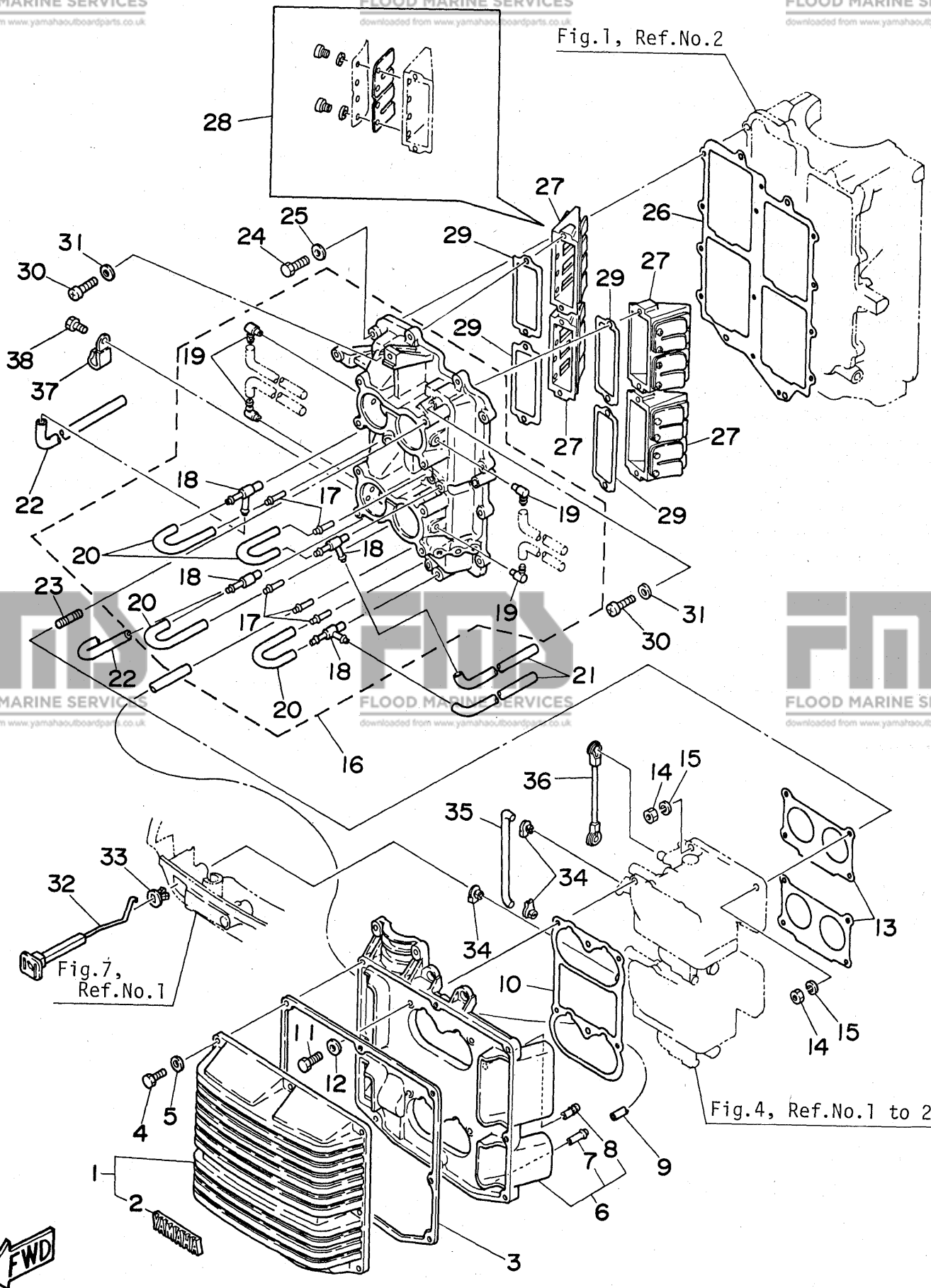
※Not shown

Fig. 3 INTAKE

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk



FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

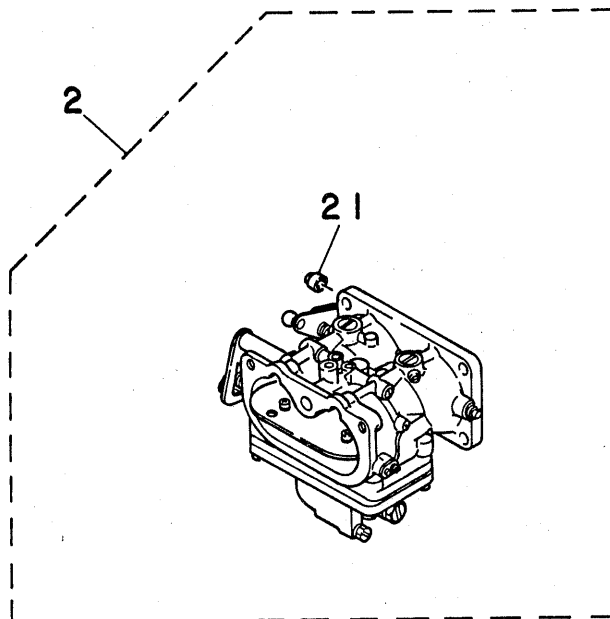
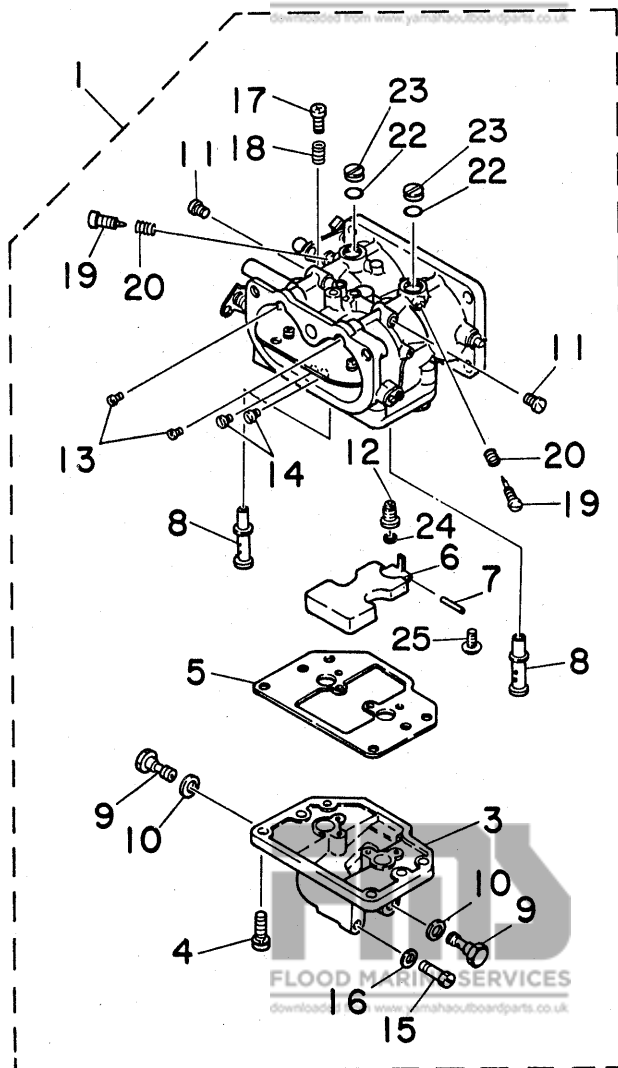
FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

115A/140A

Fig. 3 INTAKE

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-14418-00	COVER 2	1	20	90445-07M28	. HOSE	4
2	6E5-1441K-00	. EMBLEM 1	1	21	90445-07M24	HOSE	2
3	6E5-14416-00	GASKET, air cleaner	1	22	90445-07M46	HOSE	2
4	97313-06020	BOLT	8	23	90116-06M08	BOLT, stud	8
5	92903-06200	WASHER	8	24	97313-06025	BOLT	12
6	6E5-14417-01-98	COVER 1	1	25	92903-06600	WASHER	12
7	624-14485-00	. PIPE, joint	1	26	6E5-13645-00	GASKET, intake manifold	1
8	6E5-14485-00	. PIPE, joint	1	27	6E5-13610-00	REED VALVE ASS'Y	4
9	90445-07M23	HOSE	1	28	6E5-W0004-00	. REED SET	4
10	6E5-14483-00	GASKET, plate	1	29	6E5-13621-00	PACKING, valve seat	4
11	97313-06020	BOLT	4	30	97803-05025	SCREW, panhead	8
12	92903-06600	WASHER	4	31	92903-05600	WASHER	8
13	6E5-14198-00	GASKET	2	32	6E5-41271-00	KNOB, choke	1
14	95303-06600	NUT	8	33	689-41273-00	GROMMET	1
15	92903-06100	WASHER	8	34	661-41262-02	JOINT, choke lever	3
16	6E5-13641-10-94	MANIFOLD, intake 1	1	35	6E5-41256-00	ROD, choke link	1
17	624-14485-00	. PIPE, joint	5	36	6E5-41217-00	ROD, accel. lever	1
18	6E5-11370-00	. CHECK VALVE ASS'Y	4	37	90465-08M07	CLAMP	1
19	6E5-13552-00	. NOZZLE	4	38	97313-06012	BOLT	1

Fig. 4 CARBURETOR



26
CARBURETOR
REPAIR SET



Fig. 4 CARBURETOR

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-14301-02	CARBURETOR ASS'Y (Upper) (115A Model)	1 U.R.	11	6G5-14342-47	. JET, pilot (#94)	4
※	6F3-14301-02	CARBURETOR ASS'Y (Upper) (140A Model)	1 U.R.	12	6E5-14390-20	. VALVE SEAT ASS'Y	2
2	6E5-14302-02	CARBURETOR ASS'Y (Lower) (115A Model)	1 U.R.	13	6E5-14347-25	. JET, air slow	4
※	6F3-14302-02	CARBURETOR ASS'Y (Lower) (140A Model)	1 U.R.	14	6E5-14337-80	. JET, air main (1.6ø) (115A Model)	4 U.R.
3	6E5-14381-02	. BODY, float chamber	2	※	6E5-14337-70	. JET, air main (2.0ø) (140A Model)	4 U.R.
4	97803-05017	. SCREW, panhead	8	15	6E5-14383-00	. SCREW, drain	2
5	6E5-14384-02	. GASKET, float chamber	2	16	6E5-14398-00	. GASKET	2
6	6E5-14385-00	. FLOAT ASS'Y	2	17	650-14321-00	. SCREW, throttle	2
7	6E5-14386-01	. PIN, float	2	18	647-14334-00	. SCREW, air adjusting	2
8	6E5-14341-02	. NOZZLE, main (115A Model)	4 U.R.	19	6E5-14323-01	. SCREW, air adjusting	4
※	6F5-14341-00	. NOZZLE, main (140A Model)	4 U.R.	20	650-14223-00	. SPRING	4
9	6E5-14343-88	. JET, main (#175)(115A Model)	4 U.R.	21	682-41291-00	. BUSHING (Lower)	1
※	6E5-14343-83	. JET, main (#165)(140A Model)	4 U.R.	22	617-24565-00	. O-RING	4
10	1J2-14398-00	. GASKET	4	23	6G5-14328-00	. SCREW, pilot stop	4
				24	367-14195-00	. GASKET	2
				25	98902-04010	. SCREW	2
				♣26	6E5-W0093-01	CARBURETOR REPAIR KIT	1

※Not shown

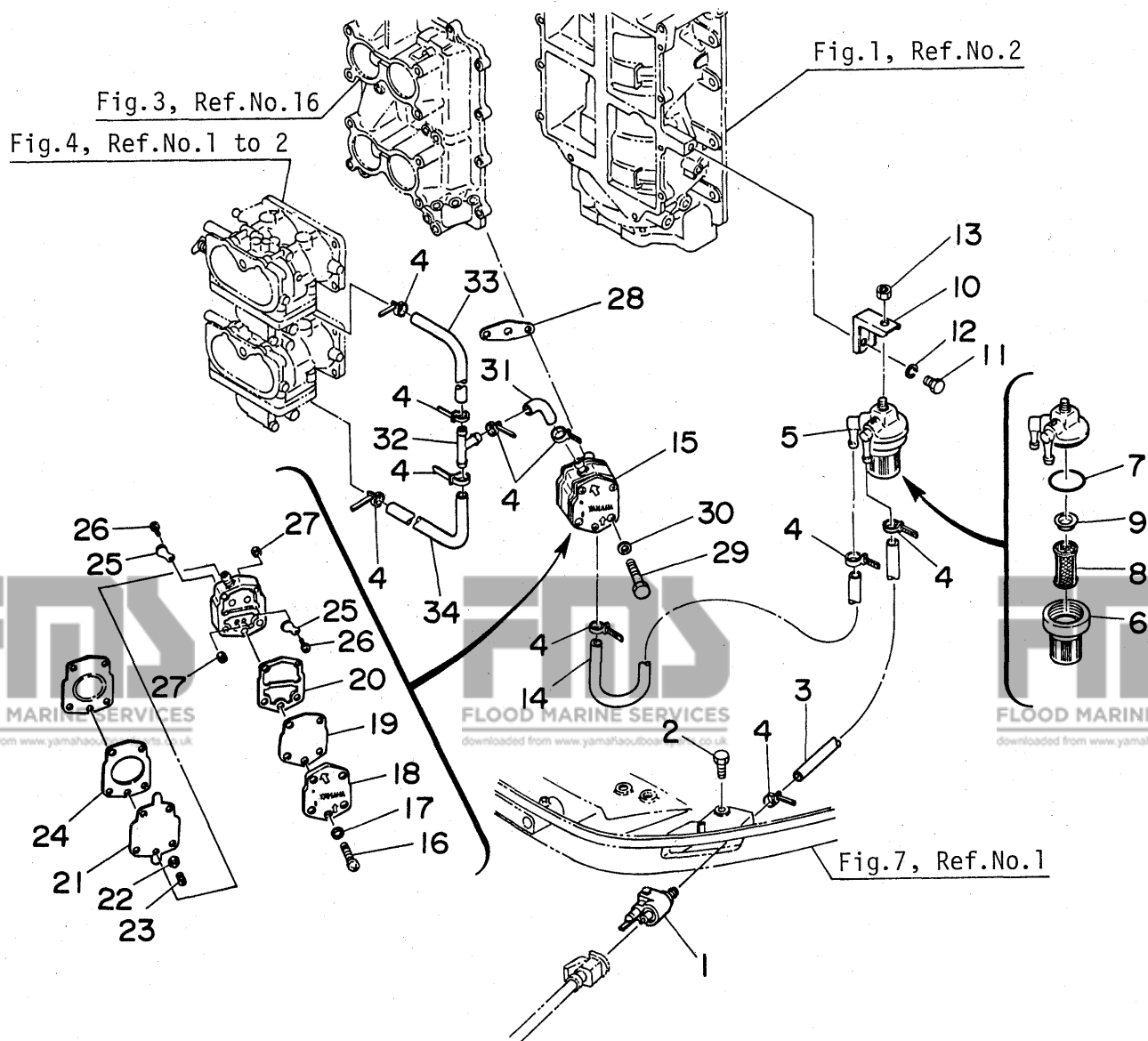
♣See Fig. 22 for detail service parts.

Fig. 5 FUEL

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk



115A/140A
16
FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

Fig. 5 FUEL

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-24304-00-94	FUEL PIPE JOINT CONP. 1	1	18	6E5-24413-00	. COVER, pump	1
2	97313-06020	BOLT	1	19	6E5-24471-00	. DIAPHRAGM	1
3	6E5-24313-00	HOSE	1	20	6E5-24435-00	. GASKET, body 2	1
4	90465-13M11	CLAMP	10	21	6E5-24411-00	. DIAPHRAGM	1
5	6E5-24560-00	FILTER ASS'Y	1	22	648-24424-00	. PLATE, spring guide	1
6	655-24521-00	. CUP, filter	1	23	6E5-24423-00	. SPRING, diaphragm	1
7	93210-37M25	. O-RING	1	24	6E5-24434-00	. GASKET, body 1	1
8	655-24563-00	. ELEMENT, filter	1	25	6A0-24421-01	. VALVE, check	4
9	655-24564-00	. PACKING, filter	1	26	98501-03006	. SCREW, panhead	4
10	6E5-24566-00	BRACKET, filter	1	27	98813-03100	. NUT	4
11	97313-06014	BOLT	1	28	650-24431-00	GASKET, fuel pump	1
12	92903-06100	WASHER	1	29	97313-06050	BOLT	2
13	95303-08600	NUT	1	30	92903-06600	WASHER	2
14	6E5-24314-00	HOSE 4	1	31	6G5-24316-00	HOSE 6	1
15	6E5-24410-00	FUEL PUMP ASS'Y	1	32	6G5-24376-00	PIPE, joint 1	1
16	98503-05035	. SCREW, panhead	3	33	6G5-24318-00	HOSE 8	1
17	92903-05600	. WASHER	3	34	6G5-24319-00	HOSE 9	1

Fig.6 TOP COWLING

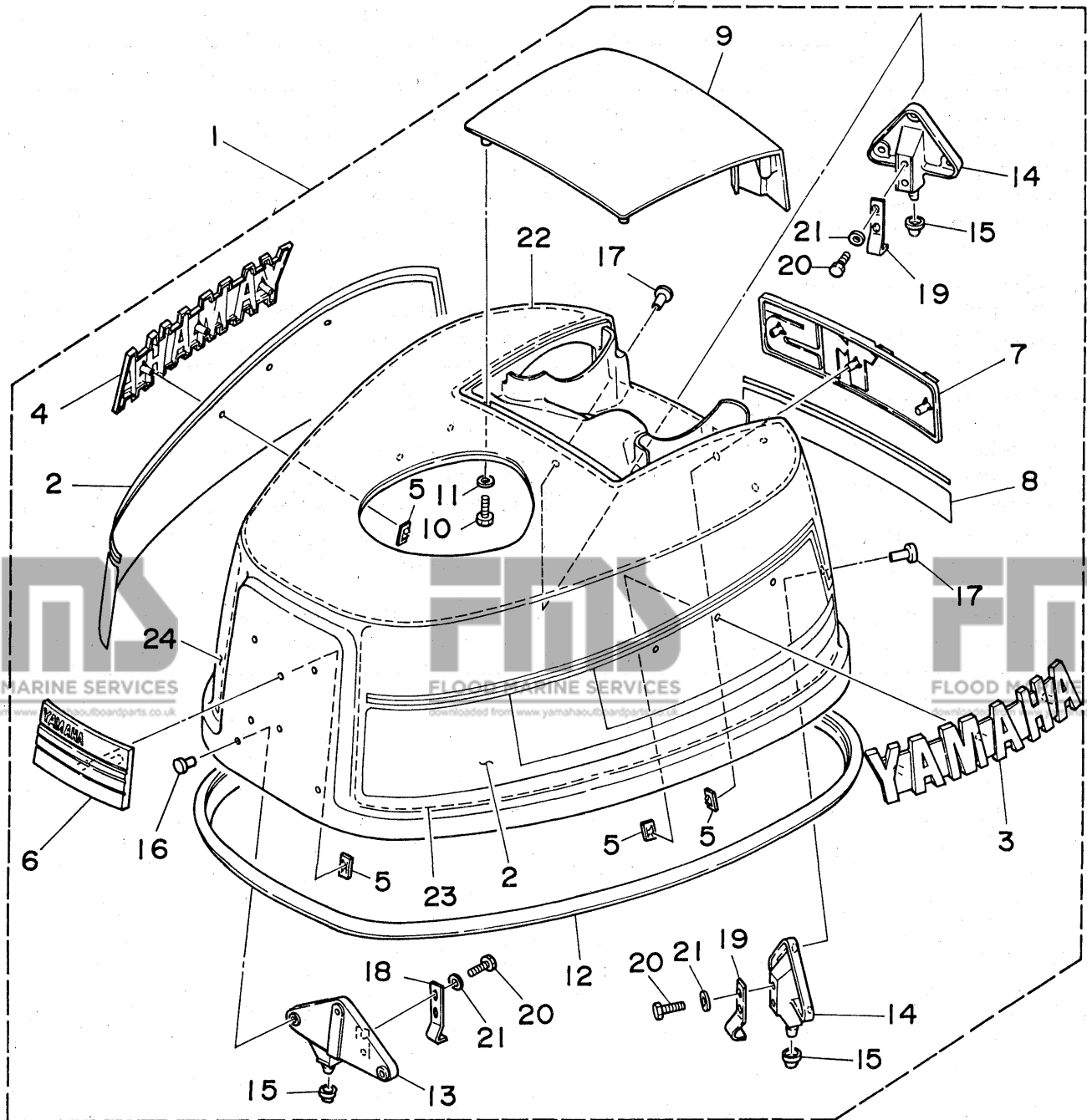


Fig. 6 TOP COWLING

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-42610-G0-EJ	TOP COWLING ASS'Y (115A Model)	1 U.R.	12	6E5-42615-00	. SEAL	1
※	6F3-42610-G0-EJ	TOP COWLING ASS'Y (140A Model)	1 U.R.	13	6E5-42647-00-94	. HOLDER, clamp band 1	1
2	6E5-W0070-E0	. GRAPHIC SIDE SET	1	14	6E5-42649-01-94	. HOLDER, clamp band 2	2
3	6G5-42681-00	. MARK, cowling 1	1	15	663-42662-00	. DAMPER 1	3
4	6G5-42682-00	. MARK, cowling 2	1	16	90266-06009	. RIVET	3
5	90183-05M01	. NUT, spring	12	17	90266-06M02	. RIVET	6
6	6E5-42686-01	. EMBLEM, front	1	18	688-42652-00	. HOOK 2	1
7	6E5-42687-01	. EMBLEM, rear (115A Model)	1 U.R.	19	6E5-42652-00	. HOOK 2	2
※	6F3-42687-01	. EMBLEM, rear (140A Model)	1 U.R.	20	97395-06016	. BOLT	6
8	6E5-42678-E0	. GRAPHIC, rear	1	21	92990-06600	. WASHER	6
9	6E5-42613-00-EJ	. MOLDING, air duct	1	22	6E5-42617-00	. RUBBER, from 1	1
10	97395-06016	. BOLT	4	23	6E5-42619-00	. RUBBER, from 2	1
11	92990-06600	. WASHER	4	24	6E5-42627-00	. RUBBER, from 3	1

※Not shown

Fig. 7 BOTTOM COWLING

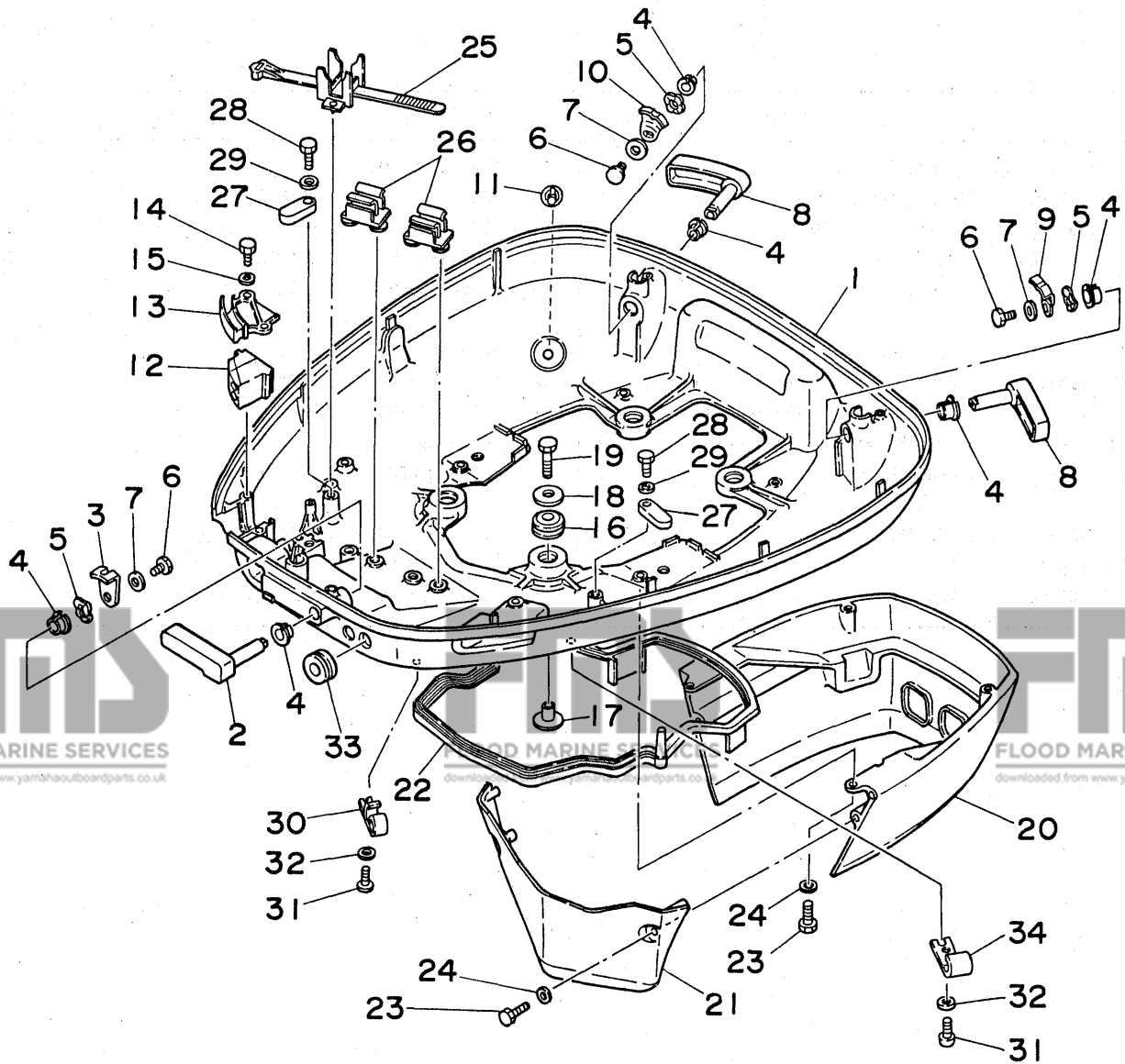


Fig. 7 BOTTOM COWLING

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-42711-10-EJ	COWLING, bottom	1	18	90201-08M54	WASHER	4
2	688-42815-00-EJ	LEVER, clamp 1	1	19	97375-08035	BOLT	4
3	688-42816-00	LEVER, clamp 2	1	20	6E5-42741-00-EJ	APRON 1	1
4	90386-13M38	BUSHING	6	21	6E5-42771-00-EJ	APRON 2	1
5	90206-13M10	WASHER	3	22	6E5-42716-00	SEAL, rubber	1
6	97395-06012	BOLT	3	23	97395-06020	BOLT	6
7	90201-06068	WASHER	3	24	92990-06600	WASHER	6
8	6E5-42817-00-EJ	LEVER, clamp 3	2	25	688-82594-00	CLAMP	1
9	6G5-42816-00	LEVER, clamp 2	1	26	6E5-82594-00	CLAMP	2
10	6E5-42816-01	LEVER, clamp 2	1	27	6E5-82588-00	PLATE	3
11	6E5-44391-00	NIPPLE, hose 1	1	28	97313-06020	BOLT	3
12	6E5-42725-10	GROMMET 2	1	29	92903-06600	WASHER	3
13	6E5-42738-00-94	PLATE, fitting	1	30	6E5-24367-01	CLAMP, fuel pipe 2	1
14	97313-06016	BOLT	2	31	90157-06M01	SCREW, panhead	2
15	92903-06600	WASHER	2	32	92990-06600	WASHER	2
16	90480-22M15	GROMMET	4	33	90480-21M33	GROMMET	2
17	90387-08M37	COLLAR	4	34	6E5-24367-10	CLAMP, fuel pipe 2	1

Fig. 8 BRACKET 1

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

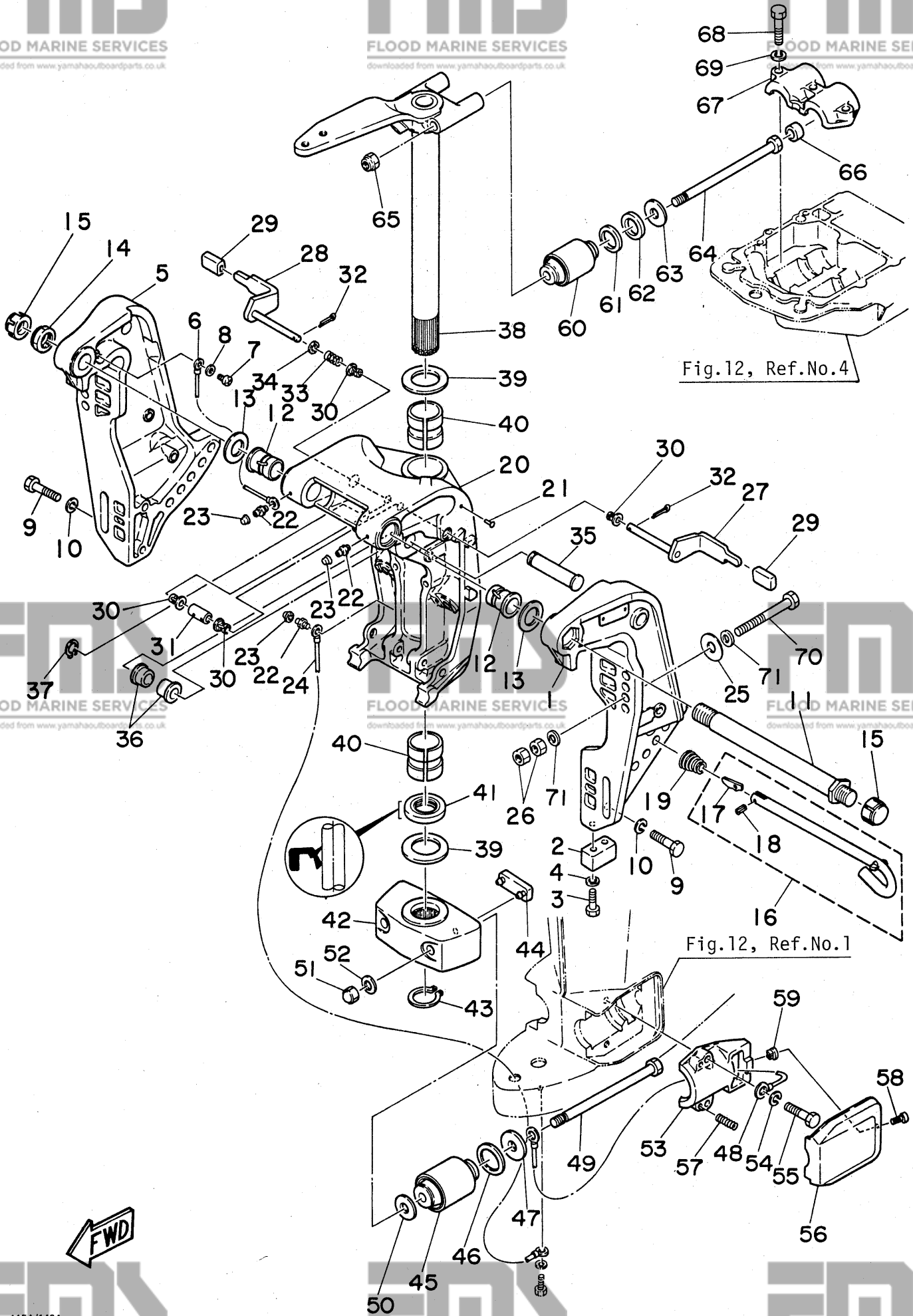


Fig.12, Ref.No.4

Fig.12, Ref.No.1



115A/140A

22

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-43111-00-EJ	BRACKET, clamp 1	1	35	6E5-43126-00	PIN, upper shock mount	1
2	6E5-45251-00	ANODE	1	36	90386-18M44	BUSHING	2
3	97395-06025	BOLT	2	37	93410-18M02	CIRCLIP	1
4	92990-06600	WASHER	2	38	6E5-42510-00-EJ	STEERING BRACKET ASS'Y (Long)	1 U.R.
5	6E5-43112-00-EJ	BRACKET, clamp 2	1	※	6E5-42510-20-EJ	STEERING BRACKET ASS'Y (Ultra Long)	1 U.R.
6	6E5-82148-00	WIRE, lead 5	1				
7	97890-06012	SCREW, panhead	1	39	90201-38M60	WASHER	2
8	92990-06600	WASHER	1	40	90386-38M32	BUSHING	2
9	97395-10045	BOLT	6	41	93109-38M02	OIL SEAL	1
10	92990-10100	WASHER	6	42	6E5-44551-00-EJ	HOUSING, lower mount	1
11	6E5-43131-00	BOLT, clamp bracket	1	43	93410-37M04	CIRCLIP	1
12	90386-25M31	BUSHING	2	44	6E5-44575-00	DAMPER, lower mount rubber	1
13	90201-26M59	WASHER	2	45	6E5-44555-00-94	MOUNT RUBBER, lower side	2
14	90185-22043	NUT, self-locking	1	46	90202-32M19	WASHER	2
15	663-43145-00	CAP, clamp bracket	2	47	90201-16M55	WASHER	2
16	6E5-43160-10	TILT ROD ASS'Y	1 U.R.	48	6E5-82149-00	WIRE, lead 3	1
※	6E5-43160-00	TILT ROD ASS'Y (Manual Tilt)	1 U.R.	49	90109-14M10	BOLT	2
17	688-43165-00	. STOPPER PLATE	1	50	90201-15M58	WASHER	2
18	91690-30014	. PIN, spring	1	51	95380-14800	NUT, crown	2
19	90502-20M03	SPRING, conical	1	52	92990-14600	WASHER	2
20	6E5-43311-01-EJ	BRACKET, swivel 1 (Long)	1 U.R.	53	6E5-44552-00-EJ	HOUSING, lower mount rubber	2
※	6E5-43311-A0-EJ	BRACKET, swivel 1 (Long) (Manual Tilt)	1 U.R.	54	92990-10100	WASHER	4
※	6E5-43311-21-EJ	BRACKET, swivel 1 (Ultra Long)	1 U.R.	55	97395-10045	BOLT	4
※	6E5-43311-E0-EJ	BRACKET, swivel 1 (Ultra Long) (Manual Tilt)	1 U.R.	56	6E5-44553-00-EJ	COVER, lower mount	2
21	90269-03010	RIVET 1	1	57	90501-16M28	SPRING, compression	4
22	93700-06004	NIPPLE, grease	3	58	92380-06015	SCREW, cylinderhead	2
23	663-45119-00	CAP, grease nipple	3	59	90179-06066	NUT	2
24	6E5-82147-00	WIRE, lead 4 (Long)	1 U.R.	60	6E5-44514-00-94	MOUNT RUBBER, upper side	2
※	6E5-82147-20	WIRE, lead 4 (Ultra Long)	1 U.R.	61	90201-26M57	WASHER	2
25	90201-12426	WASHER	4	62	90202-26M18	WASHER	2
26	95380-12600	NUT	8	63	90201-14M56	WASHER	2
27	6E5-43181-00	LEVER, tilt stop 1	1	64	90109-12M09	BOLT	2
28	6E5-43185-00	LEVER, tilt stop 2	1	65	90185-12058	NUT, self-locking	2
29	663-43318-00	COVER	2	66	663-44575-00	DAMPER, lower mount rubber	2
30	90386-10M16	BUSHING	4	67	6E5-44511-00-EJ	COVER, upper mount rubber	1
31	90387-10M38	COLLAR	1	68	97395-10045	BOLT	3
32	91490-30025	PIN, cotter	2	69	92990-10100	WASHER	3
33	90501-10M21	SPRING, compression	1	70	90101-12M65	BOLT	4
34	92990-10600	WASHER	1	71	92990-12200	WASHER	8

※Not shown

Fig.9 POWER TRIM & TILT

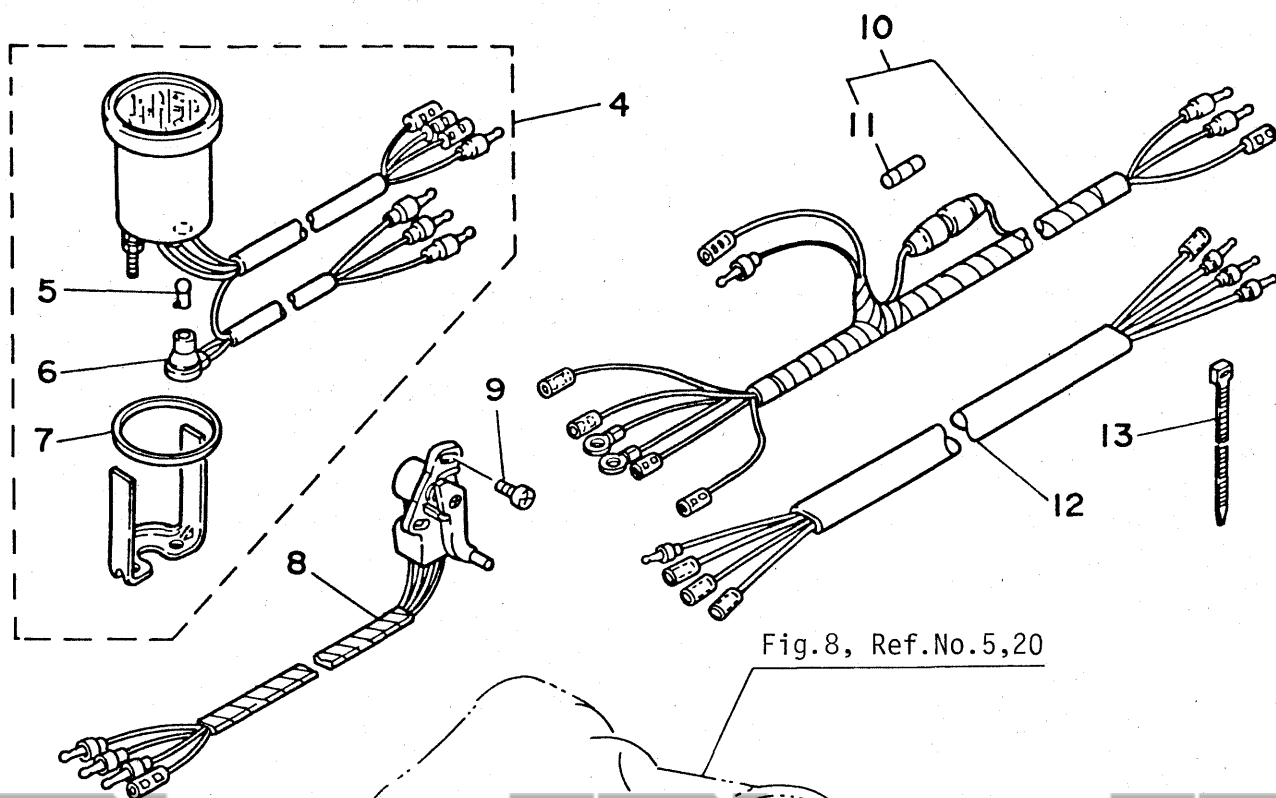


Fig.8, Ref.No.5,20

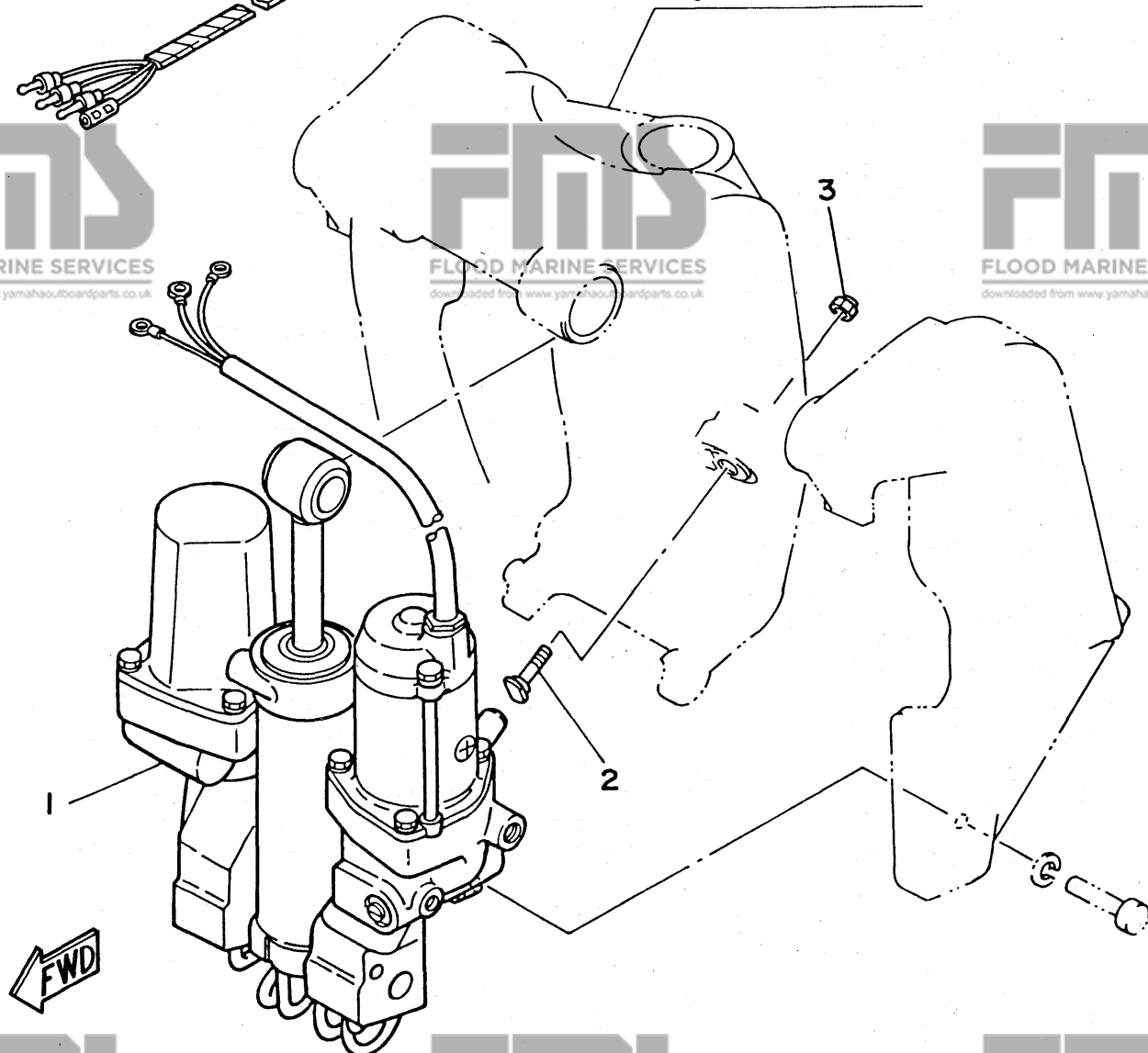


Fig. 9 POWER TRIM & TILT

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
▲ 1	6E5-43800-01-EJ	POWER TRIM & TILT ASS'Y	1	8	6E5-83672-00	TRIM SENDER	1
2	6E5-43376-00	BOLT, thrust receiver	2	9	97890-06016	SCREW, panhead	2
3	90185-08057	NUT, self-locking	2	10	688-83553-10	WIRE, lead	1
4	688-83671-00	TRIM GAUGE	1	11	1E6-82151-00	. FUSE (12V-10A)	1
5	688-83516-00	. BULB (12V-1.7W)	1	12	6E5-82553-00	EXTENSION, wire harness	1
6	688-83536-00	. SOCKET, meter	1	13	90465-11M10	CLAMP	5
7	688-83664-00	. DAMPER	1				

▲ See Fig. 21 for detail service parts.

Fig. 10 BRACKET 2 (MANUAL TILT MODEL)

FLOOD MARINE SERVICES
downloaded from www.yamahaunderparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaunderparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaunderparts.co.uk

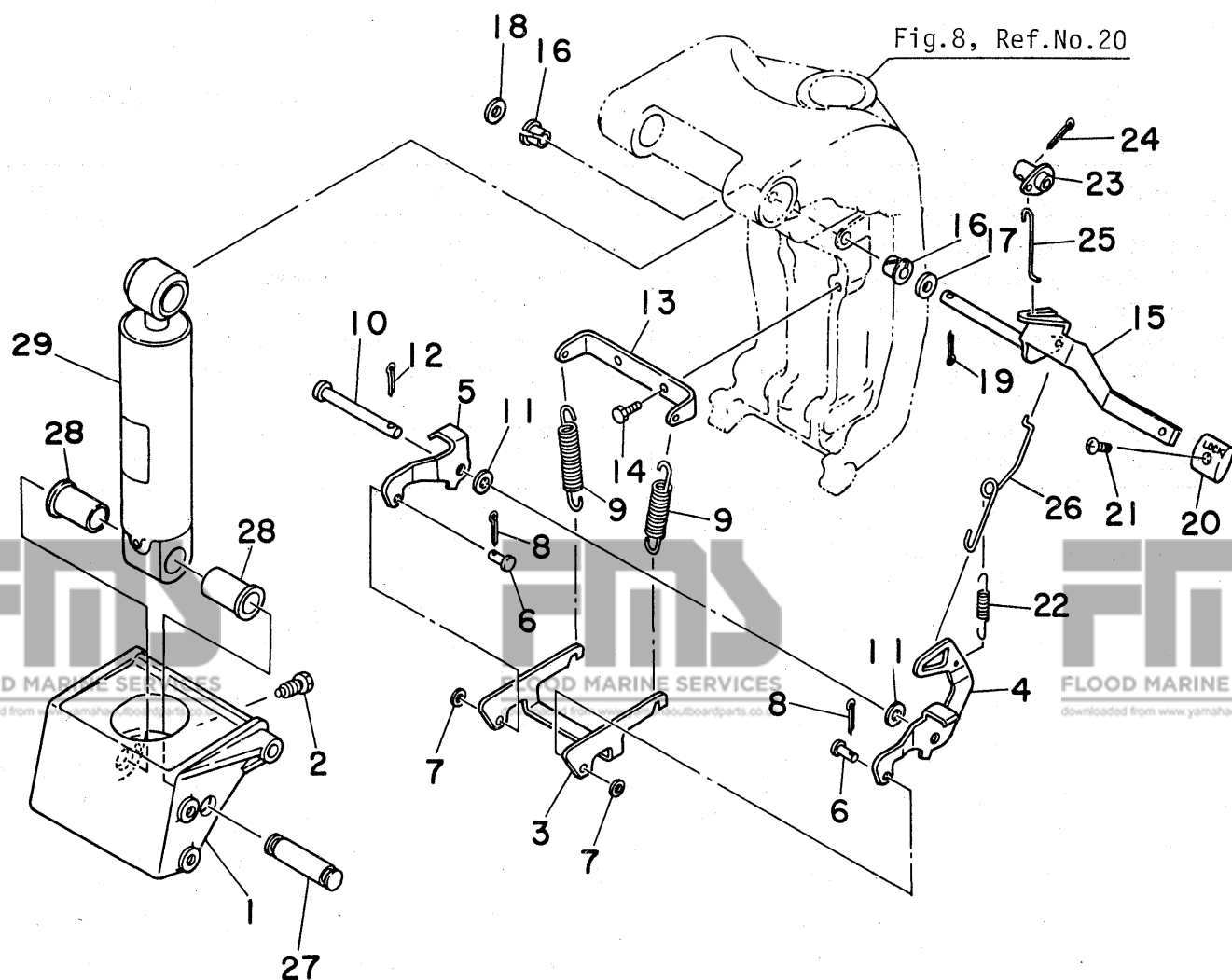
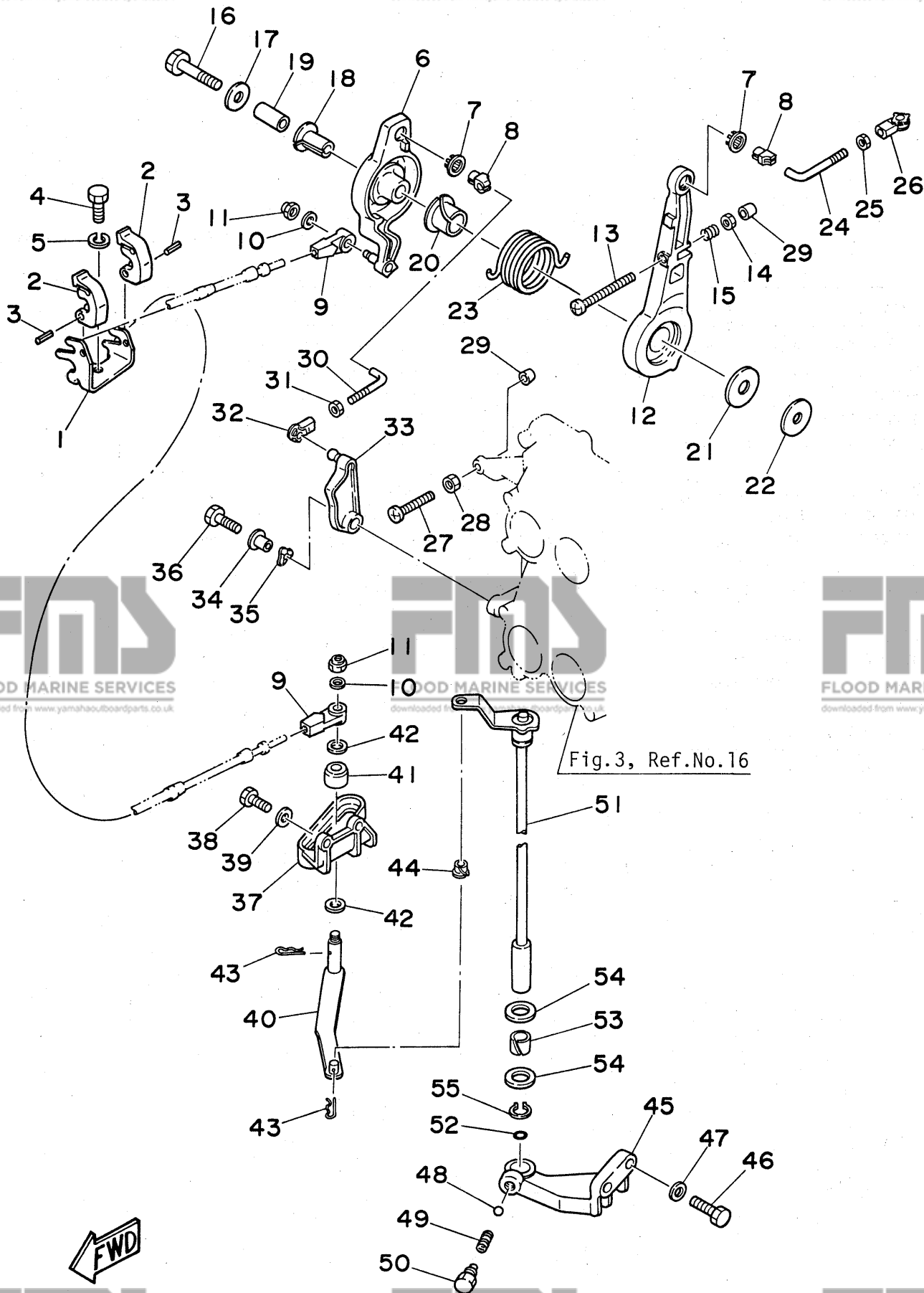


Fig. 10 BRACKET 2 (MANUAL TILT MODEL)

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-43128-00-EJ	SPACER, clamp bracket	1	16	90386-08032	BUSHING	2
2	90109-06M07	BOLT	1	17	90202-08M08	WASHER	1
3	6E5-43613-00	ARM, tilt lock	1	18	92990-08600	WASHER	1
4	6E5-43614-00	PLATE, tilt lock 1	1	19	91490-20015	PIN, cotter	1
5	6E5-43615-00	PLATE, tilt lock 2	1	20	6E5-43317-00	GRIP	1
6	90240-06M07	PIN, with hole	2	21	98680-05008	SCREW, ovalhead	1
7	92990-06600	WASHER	2	22	90506-09M09	SPRING, tension	1
8	91490-25015	PIN, cotter	2	23	688-43184-00	COLLAR, anchor lever	1
9	90506-23M10	SPRING, tension	2	24	91490-30025	PIN, cotter	1
10	6E5-43659-00	SHAFT, reverse lock	1	25	6E5-43676-00	HOOK	1
11	92990-08600	WASHER	2	26	6E5-43616-00	ROD, tilt lock	1
12	91490-25015	PIN, cotter	1	27	6E5-43124-00	PIN, lower shock mount	1
13	6E5-43679-00	STOPPER, hook	1	28	90386-18M44	BUSHING	2
14	97395-06016	BOLT	2	29	6E5-43170-00-EJ	SHOCK ABSORBER ASS'Y	1
15	6E5-43630-00	TILT LEVER ASS'Y	1				

Fig. 11 CONTROL



115A/140A

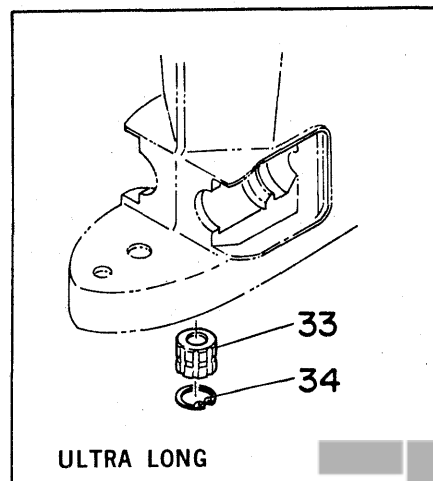
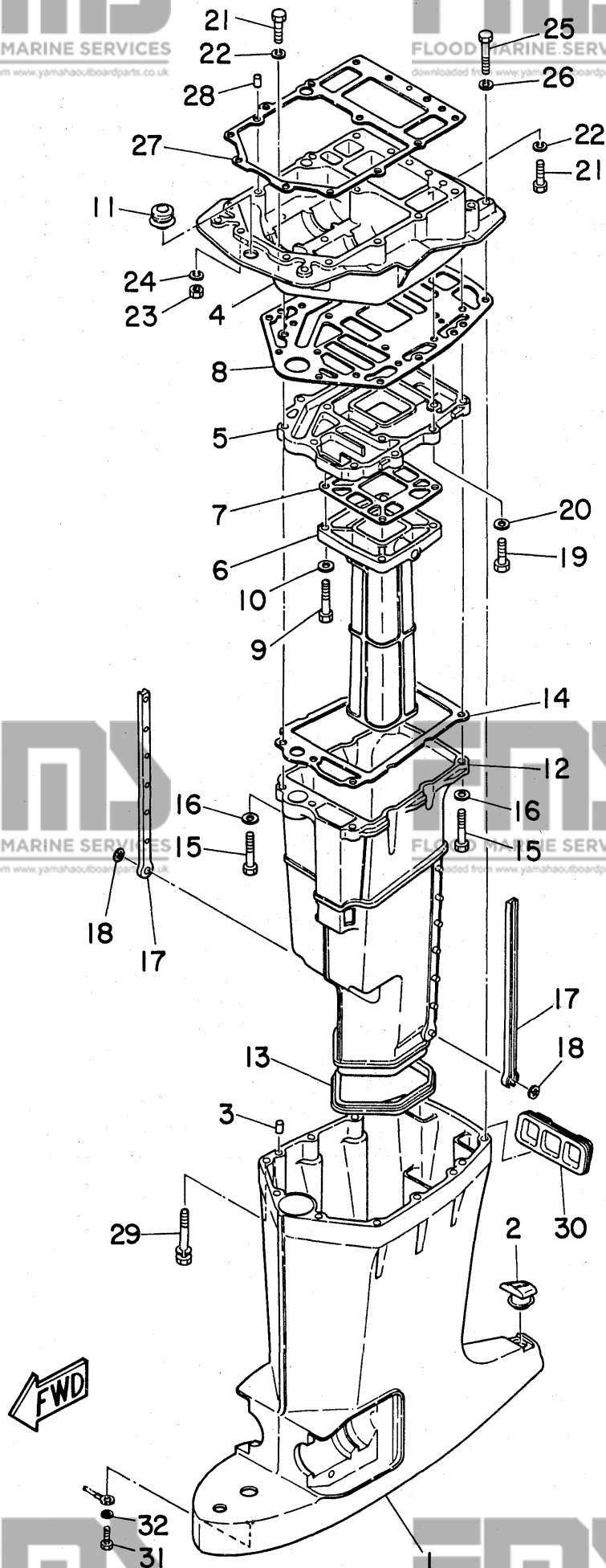
28

Fig. 11 CONTROL

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-48531-00	BRACKET, remote control	1	29	688-44194-00	CAP	2
2	6E5-48538-00	CLAMP, cable	2	30	6E5-41211-00	LINK, accel.	1
3	91690-30012	PIN, spring	2	31	95303-05600	NUT	1
4	97313-08020	BOLT	1	32	662-41237-01	JOINT, link 2	1
5	92903-08100	WASHER	1	33	6E5-41213-00	CAM, accel.	1
6	6E5-41632-00-94	LEVER, magneto control 2	1	34	90387-06M29	COLLAR	1
7	6E5-41655-00	BUSHING	2	35	90206-10049	WASHER	1
8	6E5-41214-00	JOINT, ball	2	36	97313-06025	BOLT	1
9	6E5-48344-00	CABLE END, remote control	2	37	6E5-44117-00-EJ	BRACKET	1
10	92903-06200	WASHER	2	38	97313-06020	BOLT	2
11	90185-06062	NUT, self-locking	2	39	92903-06600	WASHER	2
12	6E5-41631-00-94	LEVER, magneto control 1	1	40	6E5-44121-00	LEVER, shift rod 1	1
13	90157-06014	SCREW, crossrecess panhead	1	41	6E5-44122-00	BUSHING, shift rod lever	1
14	95303-06600	NUT	1	42	90202-08M20	WASHER	2
15	90501-16M12	SPRING, compression	1	43	90468-18008	PIN, hair	2
16	97313-08045	BOLT	1	44	90386-06M12	BUSHING	1
17	90201-08M23	WASHER	1	45	6E5-44118-00-EJ	BRACKET 2	1
18	90386-12089	BUSHING	1	46	97313-08030	BOLT	2
19	90387-08M16	COLLAR	1	47	92903-08600	WASHER	2
20	90386-22M13	BUSHING	1	48	93501-04M02	BALL	1
21	90202-12092	WASHER	1	49	90501-12082	SPRING, compression	1
22	90201-08M13	WASHER	1	50	648-42715-00	BUSHING 2	1
23	90508-29M12	SPRING, torsion	1	51	6E5-44120-01	HANDLE GEAR SHIFT ASS'Y (Long)	1 U.R.
24	6E5-41636-00	ROD, magneto control	1	※	6E5-44120-21	HANDLE GEAR SHIFT ASS'Y (Ultra Long)	1 U.R.
25	95303-05600	NUT	1	52	93210-09165	O-RING	1
26	662-41237-01	JOINT, link 2	1	53	90386-16046	BUSHING	1
27	90157-06M00	SCREW, crossrecess panhead	1	54	90202-16061	WASHER	2
28	95303-06600	NUT	1	55	93410-16006	CIRCLIP	1

※Not shown

Fig. 1 2 UPPER CASING



115A/140A

30

Fig. 12 UPPER CASING

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-45111-01-EJ	CASING, upper (Long)	1 U.R.	16	92990-08600	WASHER	5
※	6E5-45111-20-EJ	CASING, upper (Ultra Long)	1 U.R.	17	6E5-14737-00	DAMPER, muffler	2
2	6E5-45155-00	CAP	1	18	90183-05M02	NUT, spring	2
3	93608-12M05	PIN, dowel B	2	19	97395-08030	BOLT	4
4	6E5-41137-01-94	GUIDE, exhaust (115A Model)	1 U.R.	20	92990-08600	WASHER	4
※	6F3-41137-00-94	GUIDE, exhaust (140A Model)	1 U.R.	21	97395-08030	BOLT	6
5	6E5-41131-00-9M	MANIFOLD, exhaust 1 (115A Model)	1 U.R.	22	92990-08100	WASHER	6
※	6G5-41131-00-9M	MANIFOLD, exhaust 1 (140A Model)	1 U.R.	23	95380-08700	NUT	2
6	6E5-41132-00-9M	MANIFOLD, exhaust 2 (115A Model)	1 U.R.	24	92990-08100	WASHER	2
※	6F3-41132-00-9M	MANIFOLD, exhaust 2 (140A Model)	1 U.R.	25	97395-08045	BOLT	2
7	6E5-41134-00	GASKET, exhaust manifold 2 (115A Model)	1 U.R.	26	92990-08100	WASHER	2
※	6G5-41134-00	GASKET, exhaust manifold 2 (140A Model)	1 U.R.	27	6E5-45113-02	GASKET, upper casing 1 (115A Model)	1 U.R.
8	6E5-45114-00	GASKET, upper casing 2 (115A Model)	1 U.R.	※	6G5-45113-00	GASKET, upper casing 1 (140A Model)	1 U.R.
※	6G5-45114-00	GASKET, upper casing 2 (140A Model)	1 U.R.	28	93608-12M05	PIN, dowel B	2
9	97395-08045	BOLT	4	29	90119-08M04	BOLT, hexagon with washer	6
10	92990-08600	WASHER	4	30	6E5-42769-00	SEAL, rubber	1
11	6E5-42724-00	GROMMET 1	1	31	97395-06010	BOLT	1
12	6E5-14711-00-9M	MUFFLER	1	32	92990-06600	WASHER	1
13	6E5-45123-00	GASKET, muffler	1	33	6E5-45318-00	BUSHING, drive shaft 3 (Ultra Long)	1
14	6E5-41135-00	GASKET, exhaust manifold 3	1	34	93420-36M01	CIRCLIP (Ultra Long)	1
15	97395-08045	BOLT	5				

※Not shown

Fig. 13 LOWER & DRIVE I

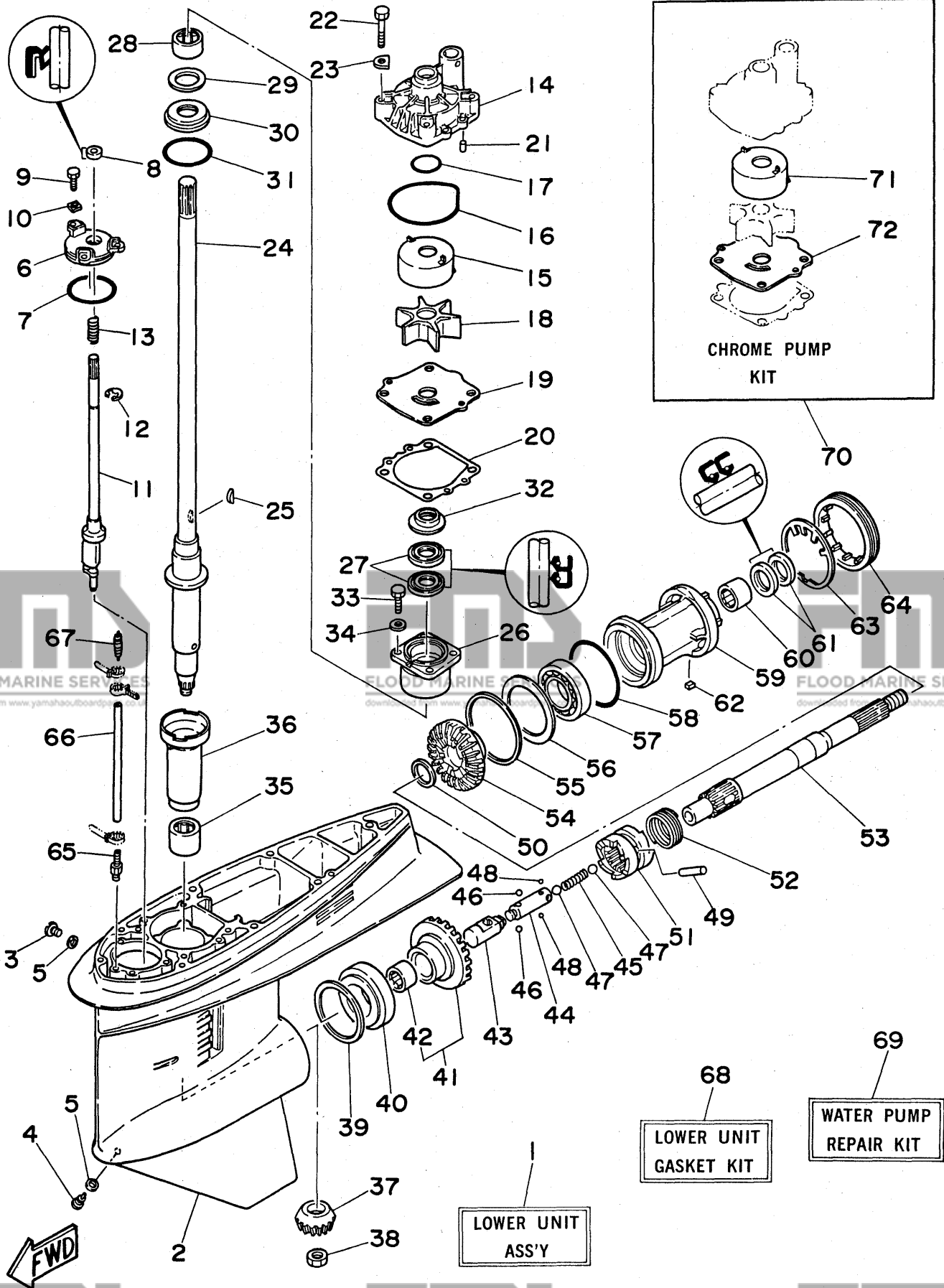


Fig. 13 LOWER & DRIVE 1

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-45300-11-EJ	LOWER UNIT ASS'Y (Long) (Ref. No. 2 to 67)	1 U.R.	39	6E5-45567-00-05	SHIM 1 (0.05mm)	1 U.R.
※	6E5-45300-21-EJ	LOWER UNIT ASS'Y (Ultra Long) (Ref. No. 2 to 67)	1 U.R.		6E5-45567-00-08	SHIM 1 (0.08mm)	1 U.R.
2	6E5-45301-01-EJ	CASING, lower	1		6E5-45567-00-12	SHIM 1 (0.12mm)	1 U.R.
3	90340-08014	PLUG, straight screw	1		6E5-45567-00-30	SHIM 1 (0.30mm)	1 U.R.
4	90340-08M02	PLUG, straight screw	1		6E5-45567-00-50	SHIM 1 (0.50mm)	1 U.R.
5	90430-08020	GASKET	2	40	93332-000U7	BEARING, taper roller	1
6	6E5-45321-00	PLATE	1	41	6E5-45560-01	GEAR 1 ASS'Y (26T)	1
7	93210-58144	O-RING	1	42	93315-425U7	. BEARING, needle	1
8	93106-09014	OIL SEAL	1	43	6E5-45641-01	SHIFTER	1
9	97395-06020	BOLT	3	44	6E5-45634-01	SLIDE, shift	1
10	90209-06M04	WASHER	3	45	90501-16M37	SPRING, compression	1
11	6E5-44150-00	SHIFT CAM ASS'Y	1	46	93507-32009	BALL	2
12	93430-08006	CIRCLIP (E-8ø)	1	47	93511-32017	BALL	2
13	90501-11M10	SPRING	1	48	93503-16003	BALL	2
14	6E5-44311-00	HOUSING, water pump	1	49	90250-08M07	PIN	1
15	6E5-44322-00	INSERT, cartridge	1	50	90201-30M92	WASHER	1
16	93210-86M38	O-RING	1	51	6E5-45631-01	CLUTCH, dog	1
17	93210-37160	O-RING	1	52	6E5-45633-01	RING, cross pin	1
18	6E5-44352-00	IMPELLER	1	53	6E5-45611-01	SHAFT, propeller	1
19	6E5-44323-00	OUTER PLATE, cartridge	1	54	6E5-45571-01	GEAR 2 (26T)	1
20	6E5-44315-00	GASKET, water pump	1	55	6E5-45577-00-05	SHIM 2 (0.05mm)	1 U.R.
21	93606-12019	PIN, dowel B	2		6E5-45577-00-08	SHIM 2 (0.08mm)	1 U.R.
22	97395-08045	BOLT	4		6E5-45577-00-12	SHIM 2 (0.12mm)	1 U.R.
23	90209-08M02	WASHER	4		6E5-45577-00-30	SHIM 2 (0.30mm)	1 U.R.
24	6E5-45501-00	DRIVE SHAFT COMP. (Long)	1 U.R.		6E5-45577-00-50	SHIM 2 (0.50mm)	1 U.R.
※	6E5-45501-20	DRIVE SHAFT COMP. (Ultra Long)	1 U.R.	56	6E5-45576-00	WASHER, thrust 2	1
25	90280-04M05	KEY, woodruff	1	57	93306-208U0	BEARING (B6208)	1
26	6E5-45331-00-94	HOUSING, bearing 1	1	58	93210-86M39	O-RING	1
27	93101-28M16	OIL SEAL	2	59	6E5-45332-00-94	HOUSING, bearing 2	1
28	93317-330U2	BEARING, needle	1	60	93315-430U8	BEARING, needle	1
29	6E5-45587-00-05	SHIM 3 (0.05mm)	1 U.R.	61	93101-30M17	OIL SEAL	2
	6E5-45587-00-08	SHIM 3 (0.08mm)	1 U.R.	62	90282-04010	KEY, straight	1
	6E5-45587-00-12	SHIM 3 (0.12mm)	1 U.R.	63	688-45383-01	WASHER, claw	1
	6E5-45587-00-30	SHIM 3 (0.30mm)	1 U.R.	64	688-45384-00	NUT	1
	6E5-45587-00-50	SHIM 3 (0.50mm)	1 U.R.	65	6E5-45378-00	NIPPLE, hose	1
30	93341-930U0	BEARING, thrust	1	66	90445-07M31	HOSE (Long)	1 U.R.
31	93210-55M14	O-RING	1	※	90445-07M38	HOSE (Ultra Long)	1 U.R.
32	6E5-45344-00	COVER, oil seal	1	67	6E5-83558-00	END, nipple	1
33	97395-08025	BOLT	4	▲ 68	6E5-W0001-20	LOWER UNIT GASKET KIT (115A Model)	1 U.R.
34	92990-08600	WASHER	4	▲ ※	6F3-W0001-20	LOWER UNIT GASKET KIT (140A Model)	1 U.R.
35	93315-628U9	BEARING, needle	1	★ 69	6E5-W0078-00	WATER PUMP REPAIR KIT	1
36	6E5-45536-00	SLEEVE, drive shaft	1			CHROME PUMP KIT	
37	6E5-45551-01	PINION (13T)	1	70	6E5-W0078-0A	CHROME PUMP KIT	1
38	90170-16M01	NUT	1	71	6E5-44322-41	. INSERT, cartridge	1
				72	6E5-44323-40	. OUTER PLATE, cartridge	1

※ Not shown

▲ See Fig. 22 for detail service parts.

Fig. 14 LOWER & DRIVE 2

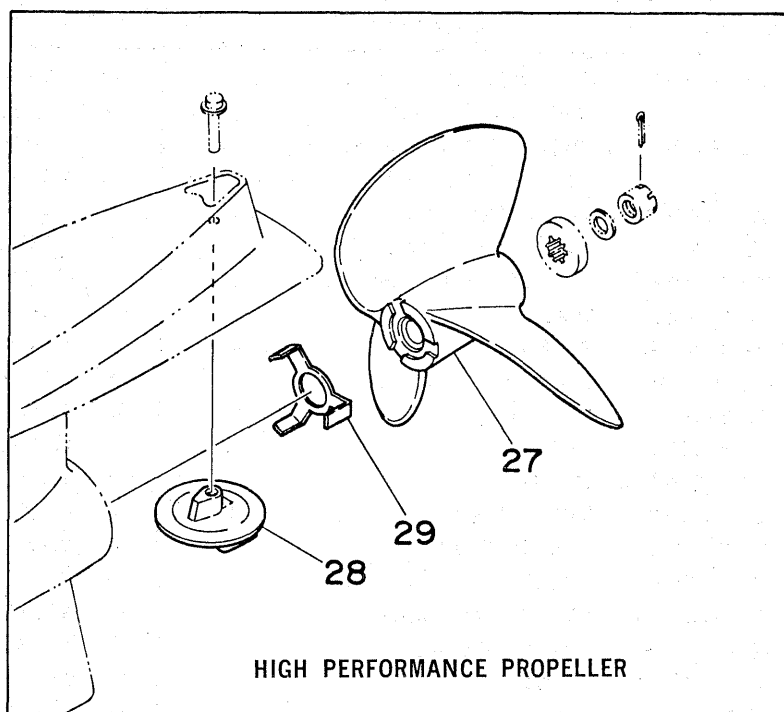


Fig.13, Ref.No.67

Fig.13, Ref.No.66

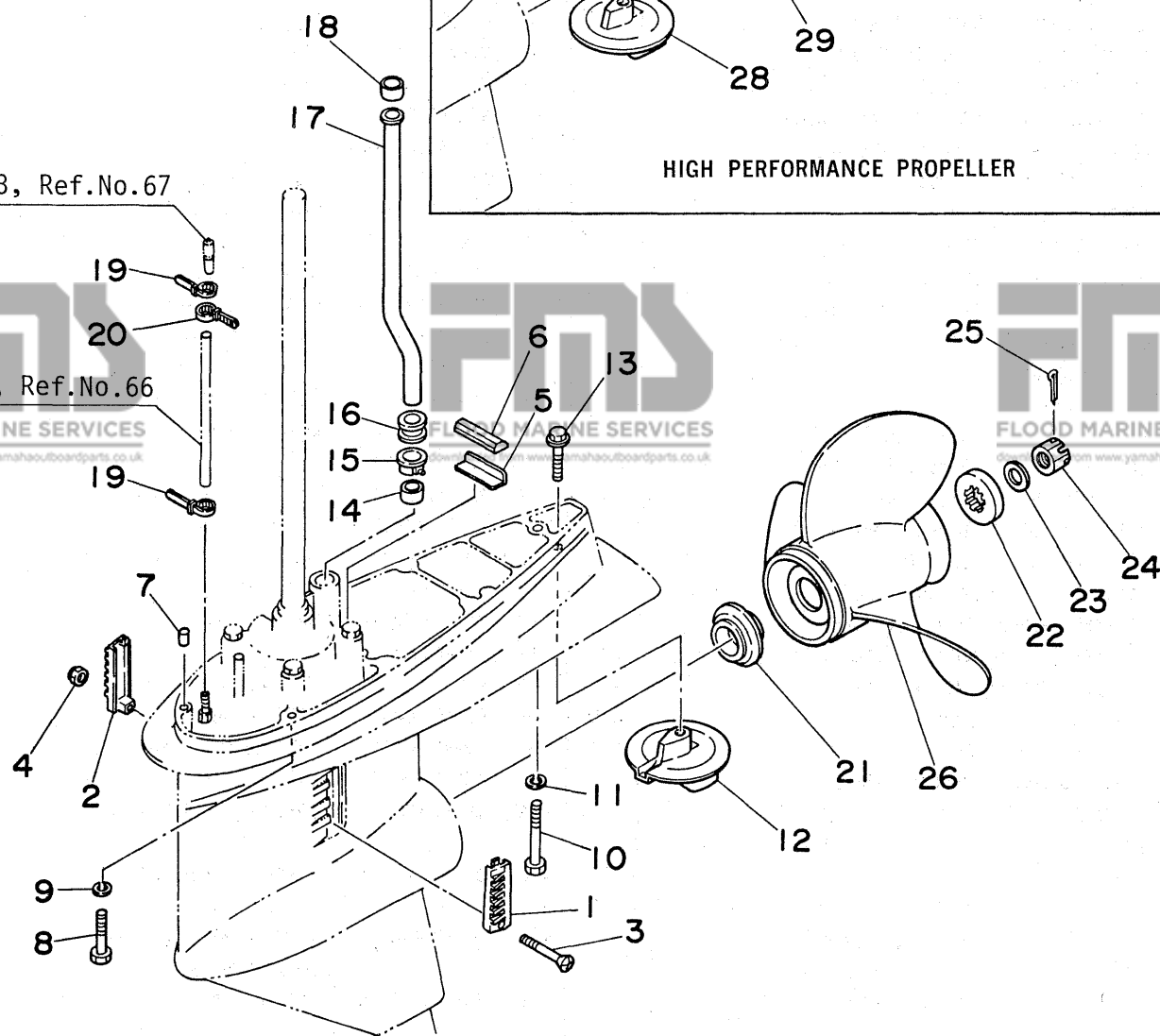


Fig.13, Ref.No.1
LOWER UNIT ASS'Y



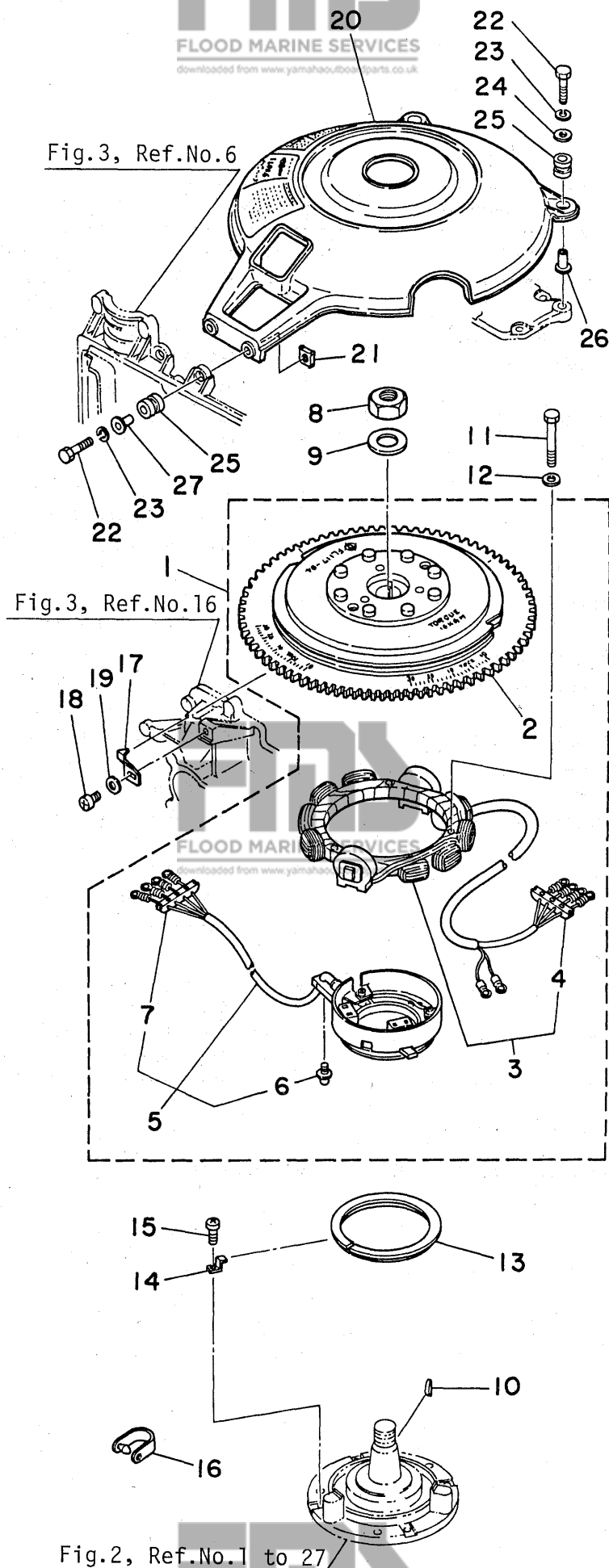
Fig. 14 LOWER & DRIVE 2

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	688-45214-01	COVER, water inlet 1	1	24	90171-18M04	NUT, castle	1
2	688-45215-01	COVER, water inlet 2	1	25	91490-40030	PIN, cotter	1
3	90142-05M03	SCREW	1	PROPELLER ASS'Y			
4	90185-05002	NUT, self-locking	1	26	6E5-45941-00-36	PROPELLER ASS'Y 1 (3x13"x19"-K)	1 U.R.
◆ 5	663-45376-00-94	GUIDE, rubber seal	1		6E5-45943-00-36	PROPELLER ASS'Y 2 (3x13"x21"-K)	1 U.R.
◆ 6	688-45375-00	SEAL, rubber 2	1		6E5-45945-00-36	PROPELLER ASS'Y 3 (3x13½"x17"-K)	1 U.R.
7	93608-12M05	PIN, dowel B	2		6E5-45947-00-36	PROPELLER ASS'Y 4 (3x13½"x15"-K)	1 U.R.
8	97375-10045	BOLT	6		6E5-45949-00-36	PROPELLER ASS'Y 5 (3x14"x13"-K)	1 U.R.
9	92990-10100	WASHER	6		6E5-45952-00-36	PROPELLER ASS'Y 6 (3x13"x23"-K)	1 U.R.
10	97375-10070	BOLT	1		6E5-45954-00-36	PROPELLER ASS'Y 7 (3x14"x11"-K)	1 U.R.
					6E5-45956-00-36	PROPELLER ASS'Y 8 (3x13"x25"-K)	1 U.R.
11	92990-10100	WASHER	1	STAINLESS STEEL PROPELLER			
12	6E5-45371-01	TAB-TRIM	1		688-45970-01-98	PROPELLER ASS'Y 20(3x13½"x19"-K)	1 U.R.
13	90105-10M00	BOLT	1		688-45972-01-98	PROPELLER ASS'Y 21(3x12½"x21"-K)	1 U.R.
◆ 14	6E5-44365-00	RUBBER, water seal 1	1		688-45974-01-98	PROPELLER ASS'Y 22(3x13"x23"-K)	1 U.R.
◆ 15	6E5-44312-00	COVER, water pump housing	1		688-45978-60-98	PROPELLER ASS'Y 24(3x12½"x16"-K)	1 U.R.
16	6E5-44366-00	RUBBER, water seal 2	1		688-45930-60-98	PROPELLER ASS'Y 25(3x13½"x17"-K)	1 U.R.
17	6E5-44361-00	TUBE, water (Long)	1 U.R.		688-45976-01-98	PROPELLER ASS'Y 23(3x13½"x25"-K)	1 U.R.
※	6E5-44361-20	TUBE, water (Ultra Long)	1 U.R.		688-45932-60-98	PROPELLER ASS'Y 26(3x13½"x14"-K)	1 U.R.
18	6E5-44365-00	RUBBER, water seal 1	1	HIGH PERFORMANCE PROPELLER			
19	90465-11M10	CLAMP	2	27	6E5-45970-10	PROPELLER ASS'Y (3x14"x20"-P)	1 U.R.
20	90465-13M11	CLAMP	1		6E5-45972-10	PROPELLER ASS'Y (3x14"x24"-P)	1 U.R.
21	6E5-45987-00	SPACER 1	1		6E5-45974-10	PROPELLER ASS'Y (3x14"x28"-P)	1 U.R.
22	688-45997-00	SPACER 2	1		6E5-45976-10	PROPELLER ASS'Y (3x14"x22"-P)	1 U.R.
23	92990-18200	WASHER	1		6E5-45978-10	PROPELLER ASS'Y (3x14"x26"-P)	1 U.R.
				28	6E5-45371-10	TAB-TRIM	1
				29	6E5-45994-10	PLATE, tooth	1

※Not shown

◆Contents of lower unit ass'y (Parts No. 6E5-45300-11-EJ, 6E5-45300-21-EJ)

Fig. 15 C.D.I. MAGNETO



115A/140A

Fig. 15 C.D.I. MAGNETO

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-85500-10	C.D.I. MAGNETO ASS'Y	1	15	97801-06018	SCREW, panhead	4
2	6E5-85550-10	. ROTOR ASS'Y	1	16	90464-12M00	CLAMP	1
3	6E5-85510-10	. STATOR ASS'Y	1	17	6E5-81332-00	PLATE, timing	1
4	90480-06M16	. . GROMMET	1	18	97803-06008	SCREW, panhead	1
5	6E5-85580-10	. PULSER ASS'Y	1	19	92903-06600	WASHER	1
6	663-85518-00	. . JOINT, ball	1	20	6E5-81337-00	COVER, flywheel	1
7	90480-06M16	. . GROMMET	1	21	90179-06M07	NUT	2
8	90170-20137	NUT	1	22	97313-06030	BOLT	4
9	90201-21M18	WASHER	1	23	92903-06100	WASHER	4
10	90280-05015	KEY, woodruff	1	24	90201-06M62	WASHER	2
11	97313-06055	BOLT	3	25	663-82317-00	DAMPER	4
12	92903-06600	WASHER	3	26	624-42542-00	PIPE 1	2
13	688-41611-00	RETAINER, magneto base 1	1	27	6E5-42542-00	PIPE 1	2
14	688-41612-00	RETAINER, magneto base 2	4				

Fig. 16 ELECTRIC MOTOR

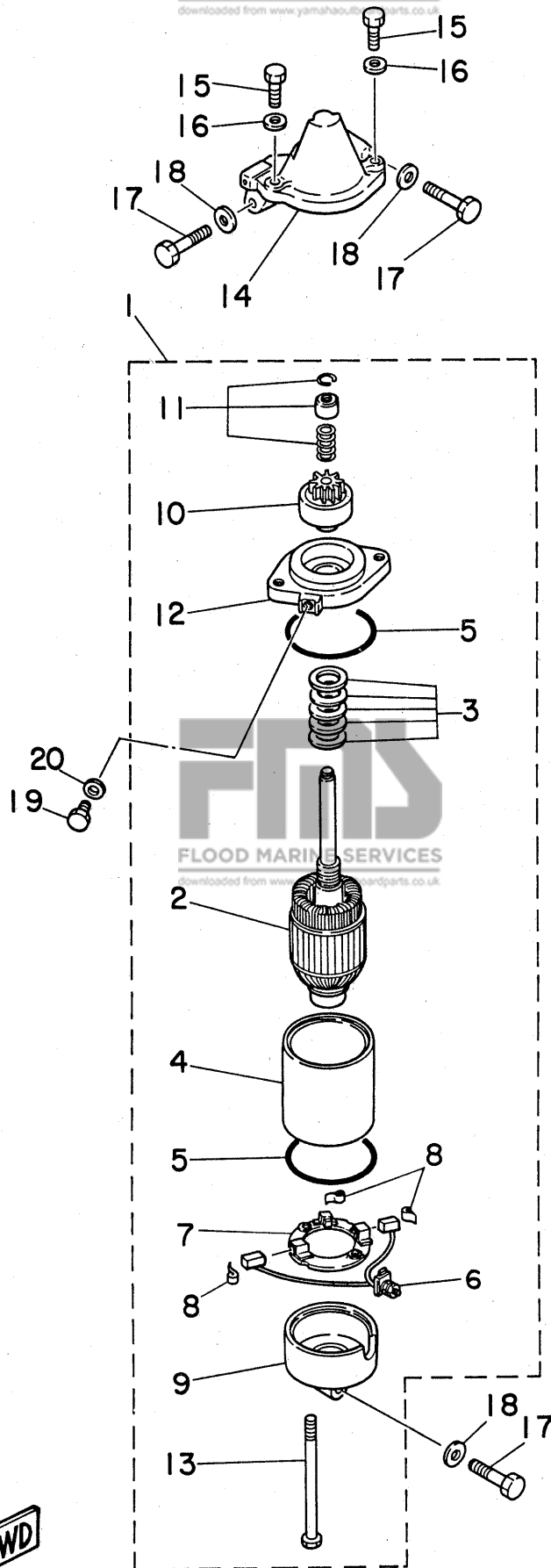


Fig. 16 ELECTRIC MOTOR

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-81800-11	ELECTRIC MOTOR ASS'Y	1	11	6E5-81857-10	. PINION STOPPER SET	1
2	6E5-81850-10	. ARMATURE ASS'Y	1	12	6E5-81830-10	. FRONT BRACKET ASS'Y	1
3	6E5-81809-10	. WASHER KIT	1	13	6E5-81826-10	. BOLT 1	2
4	6E5-81810-10	. STATOR ASS'Y	1	14	6E5-81822-01-98	BRACKET, electric motor	1
5	6E5-81847-10	. O-RING	2	15	97313-08025	BOLT	2
6	6E5-81801-10	. BRUSH ASS'Y (+)	1	16	92903-08600	WASHER	2
7	6E5-81840-10	. BRUSH HOLDER ASS'Y (-)	1	17	97313-08045	BOLT	3
8	6E5-81813-10	. SPRING, brush	3	18	92903-08600	WASHER	3
9	6E5-81820-10	. REAR BRACKET ASS'Y	1	19	97395-08016	BOLT	1
10	6E5-81807-11	. PINION ASS'Y (9T)	1	20	92990-08600	WASHER	1

Fig. 17 ELECTRIC PARTS I

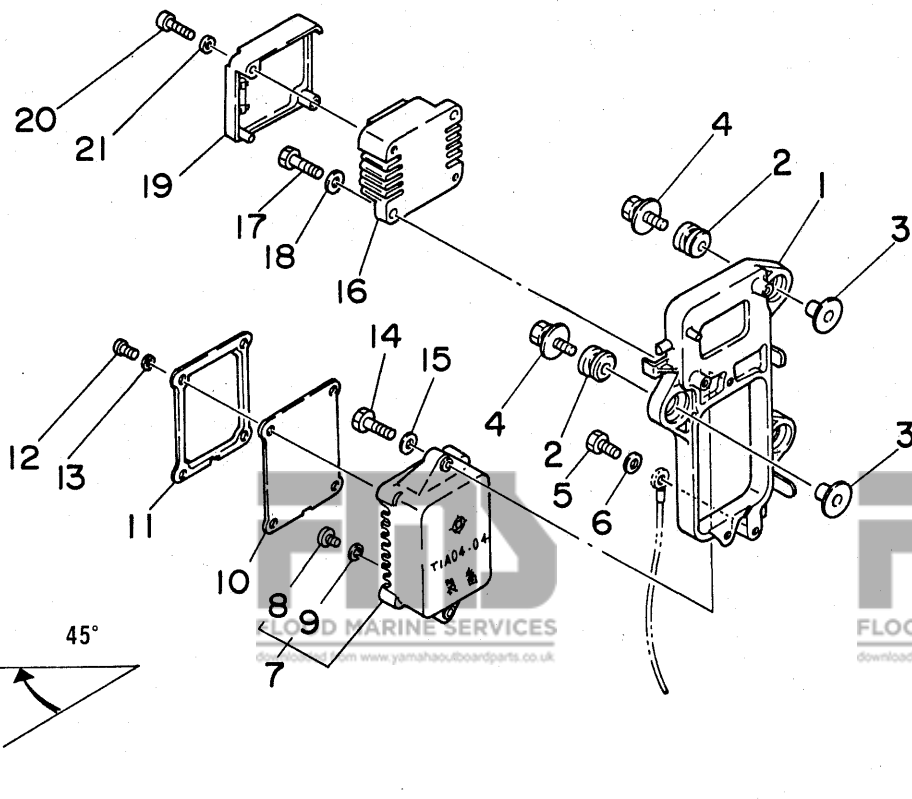


Fig. 17 ELECTRIC PARTS 1

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-85542-00-94	BRACKET	1	12	97803-05010	SCREW, panhead	4
2	90480-09M12	GROMMET	3	13	92903-05600	WASHER	4
3	90387-06M03	COLLAR	3	14	97313-06025	BOLT	2
4	90119-06M28	BOLT, with washer	3	15	92903-06600	WASHER	2
5	97395-06016	BOLT	1	16	688-81960-60	RECTIFIER & REGULATOR ASS'Y	1
6	92990-06600	WASHER	1	17	97313-06020	BOLT	2
7	6E5-85540-10	C.D.I. UNIT ASS'Y	1	18	92903-06600	WASHER	2
8	98503-04008	. SCREW, panhead	16	19	688-81961-00	COVER, rectifier & regulator	1
9	92990-04200	. WASHER	16	20	97803-05025	SCREW, panhead	2
10	6E5-85547-10	DAMPER	1	21	92903-05600	WASHER	2
11	6E5-85537-10	COVER	1				

Fig. 18 ELECTRIC PARTS 2

FLOOD MARINE SERVICES

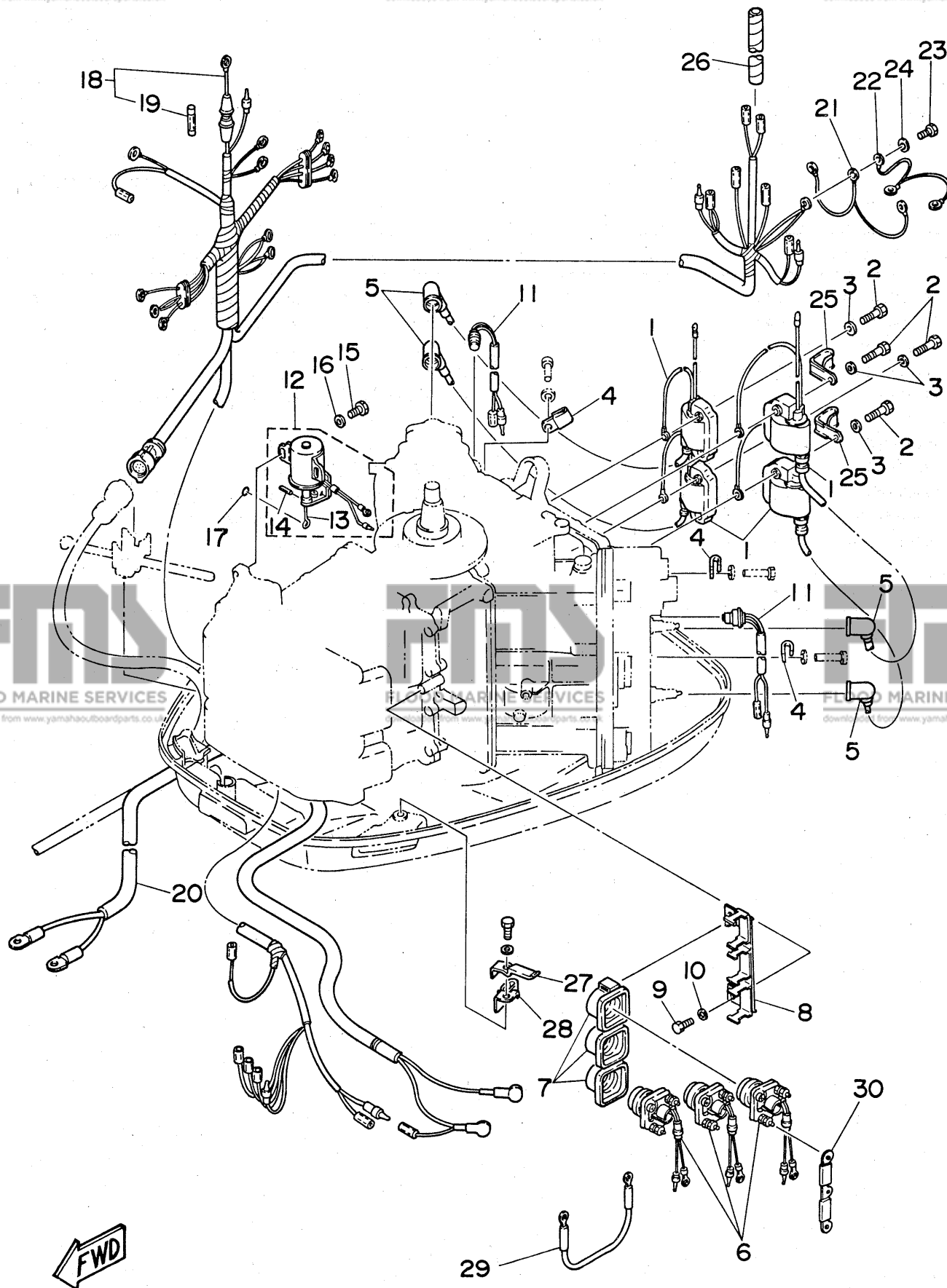
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk



115A/140A

42

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

Fig. 18 ELECTRIC PARTS 2

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-85570-10	IGNITION COIL ASS'Y	4	16	92903-06600	WASHER	2
2	97313-06030	BOLT	8	17	93210-03261	O-RING	1
3	92903-06600	WASHER	8	18	6E5-82590-01	WIRE HARNESS ASS'Y	1
4	90465-08M07	CLAMP	4	19	663-82151-00	. FUSE (12V-20A)	1
5	663-82370-01	PLUG CAP ASS'Y	4	20	6E5-82105-11	LEAD WIRE ASS'Y	1
6	6E5-81941-11	STARTER RELAY ASS'Y	3	21	6E5-82519-00	WIRE, earth lead	1
7	689-81952-10	HOLDER, starter relay	3	22	6E5-82531-00	WIRE, lead	1
8	6E5-81948-01	BRACKET	1 U.R.	23	97395-06012	BOLT	3
※	6E5-81948-10	BRACKET (Manual Tilt)	1 U.R.	24	92990-06600	WASHER	3
9	97395-06016	BOLT	2	25	90465-08M12	CLAMP	2
10	92903-06600	WASHER	2	26	90446-10M01	TUBE	1
11	688-82560-10	THERMO-SWITCH ASS'Y	2	27	90465-08M21	CLAMP	1
12	6E5-86110-01	SOLENOID COIL ASS'Y	1	28	90465-08M22	CLAMP	1
13	6E5-86116-01	. WIRE, pull	1	29	6E5-82117-00	WIRE LEAD ASS'Y	1
14	91609-30010	. PIN, spring	1	30	6G5-87149-00	CONNECTOR	1
15	97313-06016	BOLT	2				

※Not shown

Fig. 19



Fig. 19 OIL PUMP

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-13200-00	OIL INJECTION PUMP ASS'Y	1	10	6E5-13117-00	COLLAR, distance	1
2	90109-06M23	BOLT	2	11	90201-08M93	WASHER, plate	1
3	90445-12M60	HOSE	1	12	6E5-41241-00	ROD 1	1
4	90465-13M11	CLAMP	2	13	95303-05600	NUT	1
5	90445-07M71	HOSE	2	14	6E9-41237-00	JOINT, link 2	1
6	90445-07M73	HOSE	2	15	6E5-14276-00	LEVER 1	1
7	90468-07M01	CLIP	8	16	91690-30016	PIN, spring	1
8	6E5-11536-00	GEAR, drive	1	17	662-41237-01	JOINT, link 2	1
9	6E5-11537-00	GEAR, driven	1	18	90380-06M18	BUSHING	1

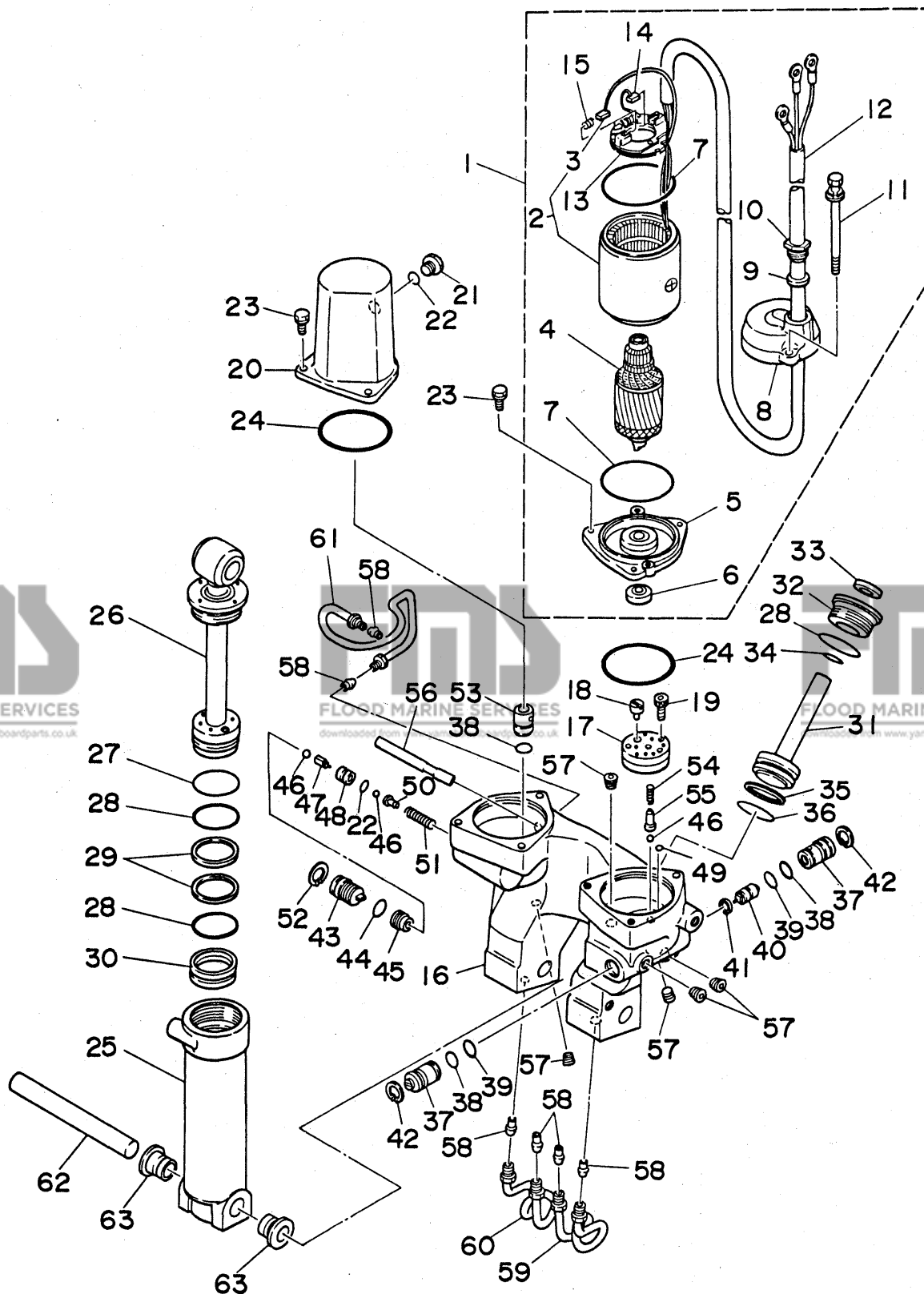
Fig. 20



Fig. 20 OIL TANK

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-21708-00	OIL TANK SUB-ASS'Y	1	24	90201-06M62	WASHER	3
2	6E5-21770-00	. OIL TANK CAP ASS'Y	1	25	97313-06030	BOLT	3
3	6E5-24318-00	. PIPE	1	26	6E5-85730-00	OIL LEVEL GAUGE ASS'Y 2	1
4	90465-13M11	. CLAMP	2	27	6E5-85740-00	CONTROL UNIT	1
5	646-24251-01	. STRAINER	1	28	6A0-82317-00	DAMPER	2
6	6E5-24319-00	. PIPE 9	1	29	624-42542-00	PIPE	2
7	90465-13M11	. CLAMP	2	30	90201-06M62	WASHER	2
8	6E5-81900-00	. OIL FEED PUMP ASS'Y	1	31	97313-06030	BOLT	2
9	6E5-81922-00	. GROMMET 1	1	32	6E5-24323-00	PIPE 12	1
10	6E5-24321-00	. PIPE 10	1	33	6E5-24379-00	PIPE, joint	1
11	6E5-24379-00	. PIPE, joint	1	34	90465-13M11	CLAMP	2
12	90445-11M88	. HOSE	1	35	90445-05M61	HOSE	1
13	90465-13M11	. CLAMP	4	36	6E5-84301-00	OIL LEVEL WARNING LAMP	1
14	6E5-85720-00	. OIL LEVEL GAUGE ASS'Y 1	1	37	688-83523-00	. DAMPER	1
15	6E5-85721-00	. WIRE, lead	1	38	688-83514-00	. PLATE, fitting	1
16	6E5-21734-00-33	HOLDER, sub oil tank	1	39	6E5-83536-00	. SOCKET CORD ASS'Y 1	1
17	6E5-21798-00-33	BRACKET, damper	1	40	6E5-83536-10	. SOCKET CORD ASS'Y 2	1
18	6E5-21746-00	DAMPER	2	41	6E5-83536-21	. SOCKET CORD ASS'Y 3	1
19	97313-06100	BOLT	1	42	688-83516-10	. BULB (12V-3.4W)	3
20	92903-06600	WASHER	2	43	6E5-82551-00	WIRE, lead	1
21	6E5-21750-00	OIL TANK ASS'Y	1	44	6E5-84348-00	WIRE, lead	1
22	6A0-82317-00	DAMPER	3	45	6E5-83553-00	WIRE, lead	1
23	624-42542-00	PIPE	3	46	95390-06600	NUT	1

Fig. 21 POWER TRIM & TILT ASS'Y



115A/140A

Fig. 21 POWER TRIM & TILT ASS'Y

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
※	6E5-43800-01-EJ	POWER TRIM & TILT ASS'Y (See Fig. 9, Ref. No. 1)	1	32	6E5-43821-00	. SCREW, trim cylinder end	2
1	688-43880-10	. MOTOR ASS'Y	1	33	6E5-43822-00	. SEAL, trim dust	2
2	688-43804-01	. . STATOR ASS'Y	1	34	93210-16M40	. O-RING	2
3	688-43891-00	. . . BRUSH 1	1	35	6E5-43874-00	. RING, back up	2
4	688-43805-01	. . ARMATURE ASS'Y	1	36	93210-33M41	. O-RING	2
5	688-43881-01	. . FRAME, end	1	37	688-43802-00	. VALVE SUB ASS'Y (Main)	2
6	688-43882-00	. . OIL SEAL	1	38	688-43864-00	. O-RING	3
7	688-43883-00	. . O-RING	2	39	688-43865-00	. O-RING	2
8	688-43884-02	. . FRAME, commutator end	1	40	688-43841-00	. PISTON, shuttle	1
9	688-43885-01	. . GROMMET	1	41	688-43873-00	. RING, back up	1
10	688-43886-02	. . BOLT	1	42	688-43876-00	. RING, snap	2
11	688-43887-01	. . BOLT, through	2	43	688-43845-00	. SCREW, manual release	1
12	688-43807-10	. . WIRE SUB ASS'Y	1	44	688-43866-00	. O-RING	1
13	688-43806-01	. . BRUSH HOLDER ASS'Y	1	45	688-43846-00	. SCREW, manual valve seat	1
14	688-43891-00	. . BRUSH 2	1	46	688-43858-00	. BALL	3
15	90501-05M46	. . SPRING, brush	1	47	688-43848-00	. ROD, manual release	1
16	6E5-43825-00	. HOUSING, trim & tilt	1	48	688-43847-00	. SEAT, manual valve	1
17	688-43830-00	. GEAR PUMP ASS'Y	1	49	688-43868-00	. O-RING	1
18	688-43831-00	. CONNECTOR, shaft	1	50	6E5-43849-00	. PIN, valve support	1
19	688-43878-00	. BOLT, socket	3	51	6E5-43854-00	. SPRING, manual release	1
20	688-43828-00	. BODY, reservoir	1	52	688-48375-00	. RING, snap	1
21	688-43829-01	. PLUG, reservoir	1	53	6E5-43850-00	. VALVE SUB ASS'Y (Upper Relief)	1
22	688-43869-00	. O-RING	2	54	688-43856-00	. SPRING, down relief	1
23	688-43879-00	. SCREW, with washer	6	55	688-43844-01	. PIN, valve support	1
24	688-43867-00	. O-RING	2	56	688-43838-00	. PIPE, intake	1
25	6E5-43813-00	. CYLINDER, tilt	1	57	688-43826-00	. PLUG, taper screw	5
26	6E5-43810-01	. PISTON SUB ASS'Y (Tilt)	1	58	688-43832-00	. SEAT, union	6
27	688-43863-00	. O-RING	1	59	6E5-43833-00	. PIPE	1
28	688-43862-00	. O-RING	4	60	6E5-43834-00	. PIPE	1
29	688-43872-00	. RING, back up	2	61	688-43835-00	. PIPE	1
30	6E5-43814-00	. PISTON, free	1	62	6E5-43818-00	. PIN, lower shock mount	1
31	6E5-43820-01	. PISTON SUB ASS'Y (Trim)	2	63	90386-18M14	. BUSHING	2

※Not shown

Fig. 22 REPAIR KIT

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-W0093-01	CARBURETOR REPAIR SET	1	47	6E5-14384-02	. GASKET, float chamber	2
2	6E5-14483-00	. GASKET, plate	1	48	6E5-W0001-20	LOWER UNIT GASKET KIT	1
3	6E5-14198-00	. GASKET	2	49	6E5-41134-00	. GASKET, exhaust manifold 2	1
4	97803-05013	. SCREW, panhead	2	50	6E5-45114-00	. GASKET, upper casing 2	1
5	6E5-14384-01	. GASKET, float chamber	2	51	6E5-45123-00	. GASKET, muffler	1
6	6E5-14385-00	. FLOAT ASS'Y	2	52	6E5-41135-00	. GASKET, exhaust manifold 3	1
7	6E5-14386-01	. PIN, float	2	53	6E5-44365-00	. RUBBER, water seal 1	1
8	1J2-14398-00	. GASKET	4	54	6E5-44366-00	. RUBBER, water seal 2	1
9	6E5-14390-20	. VALVE SEAT ASS'Y	2	55	90430-08020	. GASKET	2
10	6E5-14398-00	. GASKET	2	56	93210-58144	. O-RING	1
11	6E5-14323-00	. SCREW, air adjusting	4	57	93106-09014	. OIL SEAL	1
12	682-41291-00	. BUSHING	1	58	93210-86M38	. O-RING	1
13	1J2-14397-00	. O-RING	4	59	93210-37160	. O-RING	1
14	367-14195-00	. GASKET	2	60	6E5-44315-00	. GASKET, water pump	1
15	6E5-W0001-01	POWER HEAD GASKET KIT	1	61	93101-28M16	. OIL SEAL	2
16	6E5-14416-00	. GASKET, air cleaner	1	62	93210-55M14	. O-RING	1
17	6E5-14483-00	. GASKET, plate	1	63	93210-86M39	. O-RING	1
18	6E5-14198-00	. GASKET	2	64	93101-30M17	. OIL SEAL	2
19	6E5-11381-00	. GASKET, cover	1	65	6F3-W0001-20	LOWER UNIT GASKET KIT	1
20	6E5-11181-02	. GASKET, cylinder head	2	66	6G5-41134-00	. GASKET, exhaust manifold 2	1
21	6E5-11193-01	. GASKET, head cover	2	67	6G5-45114-00	. GASKET, upper casing 2	1
22	688-12414-00	. GASKET, thermostat cover	2	68	6E5-41135-00	. GASKET, exhaust manifold 3	1
23	6E5-41112-00	. GASKET, exhaust cover	2	69	90430-08020	. GASKET	2
24	93102-40M14	. OIL SEAL	1	70	6E5-45123-00	. GASKET, muffler	1
25	93211-04M36	. O-RING	2	71	6E5-44365-00	. RUBBER, water seal 1	1
26	93102-35M13	. OIL SEAL	1	72	6E5-44366-00	. RUBBER, water seal 2	1
27	93101-22M15	. OIL SEAL	1	73	93210-58144	. O-RING	1
28	93210-74M35	. O-RING	1	74	93106-09014	. OIL SEAL	1
29	6E5-45113-00	. GASKET, upper casing 1	1	75	93210-37160	. O-RING	1
30	6F3-W0001-01	POWER HEAD GASKET KIT	1	76	93210-86M38	. O-RING	1
31	93102-35M13	. OIL SEAL	1	77	6E5-44315-00	. GASKET, water pump	1
32	93101-22M15	. OIL SEAL	1	78	93101-28M16	. OIL SEAL	2
33	93210-74M35	. O-RING	1	79	93210-55M14	. O-RING	1
34	6E5-11381-00	. GASKET, cover	1	80	93210-86M39	. O-RING	1
35	6E5-11181-02	. GASKET, cylinder head	2	81	93101-30M17	. OIL SEAL	2
36	6E5-11193-01	. GASKET, head cover	2	82	6E5-W0078-00	WATER PUMP REPAIR KIT	1
37	688-12414-00	. GASKET, thermostat cover	2	83	6E5-44322-00	. INSERT, cartridge	1
38	6E5-41112-00	. GASKET, exhaust cover	2	84	93210-86M38	. O-RING	1
39	93102-40M14	. OIL SEAL	1	85	93210-37160	. O-RING	1
40	93211-04M36	. O-RING	2	86	6E5-44352-00	. IMPELLER	1
41	6E5-13621-00	. PACKING, valve seat	4	87	6E5-44323-00	. OUTER PLATE, cartridge	1
42	6E5-13645-00	. GASKET, intake manifold	1	88	6E5-44315-00	. GASKET, water pump	1
43	6E5-14198-00	. GASKET	2	89	93606-12019	. PIN, dowel B	1
44	6E5-14483-00	. GASKET, plate	1	90	97395-08045	. BOLT	4
45	6E5-14416-00	. GASKET, air cleaner	1	91	90209-08M02	. WASHER	4
46	6G5-45113-00	. GASKET, upper casing	1	92	90280-04M05	. KEY, woodruff	1

150A(6G4)
175A(6G5)
200A(6G6)

150A
175A
200A

CONTENTS

Fig. 1	CRANKCASE & CYLINDER	54
Fig. 2	CRANK & PISTON	56
Fig. 3	INTAKE	58
Fig. 4	CARBURETOR	60
Fig. 5	FUEL	62
Fig. 6	TOP COWLING	64
Fig. 7	BOTTOM COWLING	66
Fig. 8	BRACKET	68
Fig. 9	POWER TRIM & TILT	70
Fig. 10	CONTROL	72
Fig. 11	UPPER CASING	74
Fig. 12	LOWER & DRIVE 1	76
Fig. 13	LOWER & DRIVE 2	78
Fig. 14	C.D.I. MAGNETO	80
Fig. 15	ELECTRIC MOTOR	82
Fig. 16	ELECTRIC PARTS 1	84
Fig. 17	ELECTRIC PARTS 2	86
Fig. 18	OIL PUMP	88
Fig. 19	OIL TANK	90
Fig. 20	POWER TRIM & TILT ASS'Y	92
Fig. 21	REPAIR KIT	94

Fig. 1 CRANKCASE & CYLINDER

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

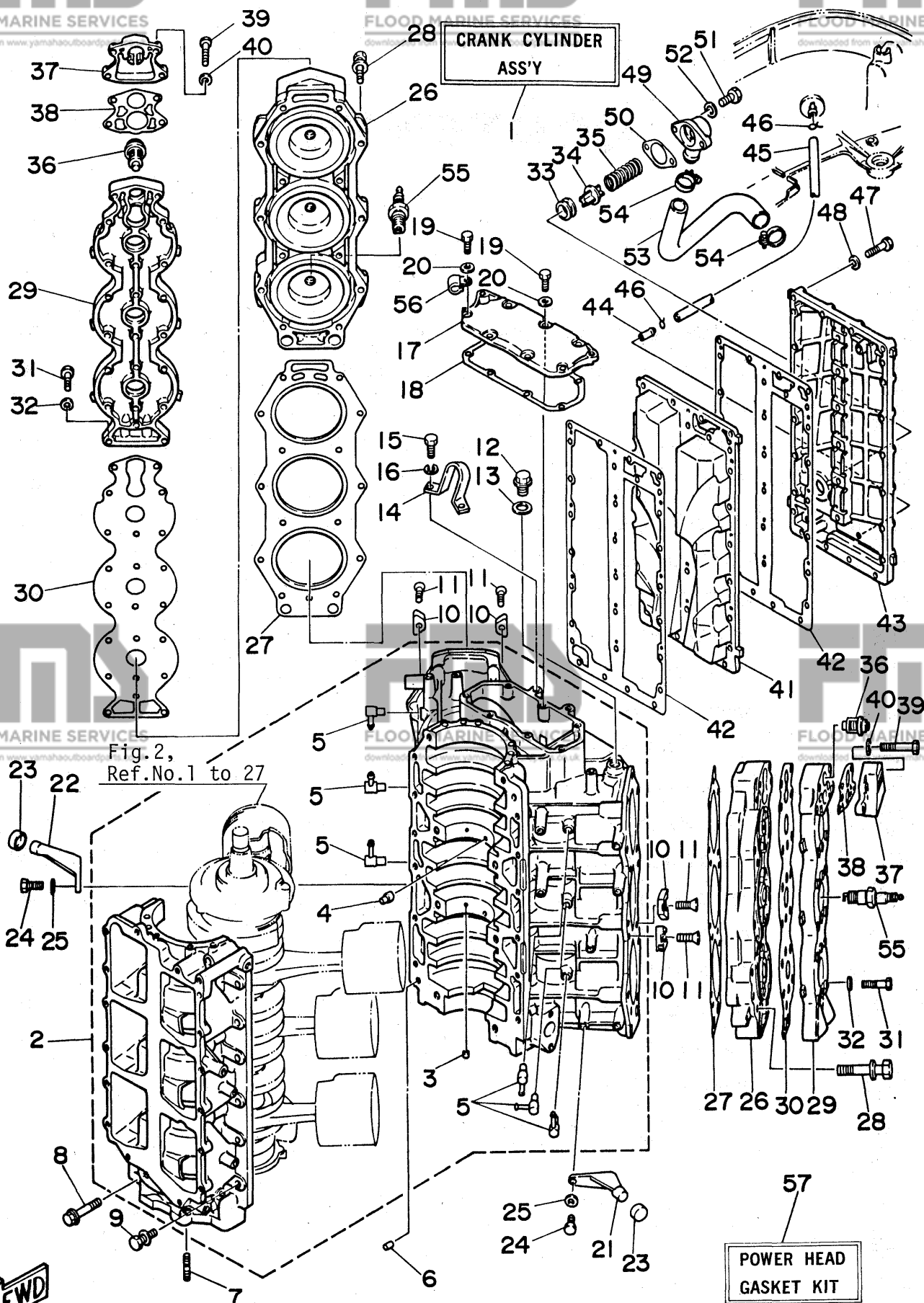


Fig. 1 CRANKCASE & CYLINDER

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G5-W0090-10-EJ	CRANK CYLINDER ASS'Y (175A/200A Model) (Ref. No. 2 to 56 and Fig. 2, Ref. No. 1 to 27)	1 U.R.	28	90119-08M21	BOLT, with washer	28
※	6G4-W0090-10-EJ	CRANK CYLINDER ASS'Y (150A Model)(Ref. No. 2 to 56 and Fig. 2, Ref. No. 1 to 27)	1 U.R.	29	6G5-11191-00-9M	COVER, cylinder head	2
2	6G5-15100-00-94	CRANKCASE ASS'Y (175A/200A Model)	1 U.R.	30	6G5-11193-01	GASKET, head cover	2
※	6G4-15100-00-94	CRANKCASE ASS'Y (150A Model)	1 U.R.	31	97313-06030	BOLT	36
3	624-11379-00	. VALVE, check	2	32	92903-06600	WASHER	36
4	663-11518-01	. LOCK, bearing	2	33	90480-20M05	GROMMET	1
5	646-11370-00	. CHECK VALVE ASS'Y	6	34	6G5-12416-00	VALVE, pressure control	1
6	93608-12063	PIN, dowel B	2	35	90501-16M11	SPRING, compression	1
7	90116-08M14	BOLT, stud	2	36	6E5-12411-00	THERMOSTAT	2
8	90105-10M20	BOLT	8	37	6G5-12413-00-9M	COVER, thermostat	2
9	90119-08M23	BOLT, with washer	12	38	688-12414-00	GASKET, thermostat cover	2
10	6E5-11325-00	ANODE	8	39	97313-06045	BOLT	8
11	98680-04016	SCREW, ovalhead	8	40	92903-06600	WASHER	8
12	90340-14M00	PLUG, straight screw	1	41	6G5-41111-00-9M	INNER COVER, exhaust	1
13	90430-14115	GASKET	1	42	6G5-41112-00	GASKET, exhaust cover	2
14	6E5-11119-00	HANGER, engine	1	43	6G5-41113-00-9M	OUTER COVER, exhaust	1
15	97313-08020	BOLT	2	44	650-24378-00	PIPE, joint 3	1
16	92903-08100	WASHER	2	45	6E5-24312-00	HOSE 2	1
17	6E5-11371-00-9M	COVER	1	46	90467-08004	CLIP	2
18	6E5-11381-00	GASKET, cover	1	47	97313-06035	BOLT	29
19	97313-06020	BOLT	7	48	92903-06600	WASHER	29
20	92903-06600	WASHER	7	49	6G5-11372-00	COVER, by-pass	1
21	6E5-42761-00-94	STOPPER 1	1	50	6G5-11382-00	GASKET, by-pass	1
22	6E5-42762-00-94	STOPPER 2	1	51	97313-06020	BOLT	2
23	663-44533-00	DAMPER	2	52	92990-06600	WASHER	2
24	97313-06020	BOLT	4	53	6G5-12576-00	HOSE 1	1
25	92903-06600	WASHER	4	54	90465-13M18	CLAMP	2
26	6G5-11111-00-94	HEAD, cylinder (175A/200A Model)	2 U.R.	55	94701-00160	PLUG, spark (B8HS 10) NGK (175A/200A Model)	6 U.R.
※	6G4-11111-00-94	HEAD, cylinder (150A Model)	2 U.R.	※	94701-00217	PLUG, spark (B7HS 10) NGK (150A Model)	6 U.R.
27	6G5-11181-01	GASKET, cylinder head	2	56	90465-08M07	CLAMP	1
				■57	6G5-W0001-01	POWER HEAD GASKET KIT	1

※Not shown

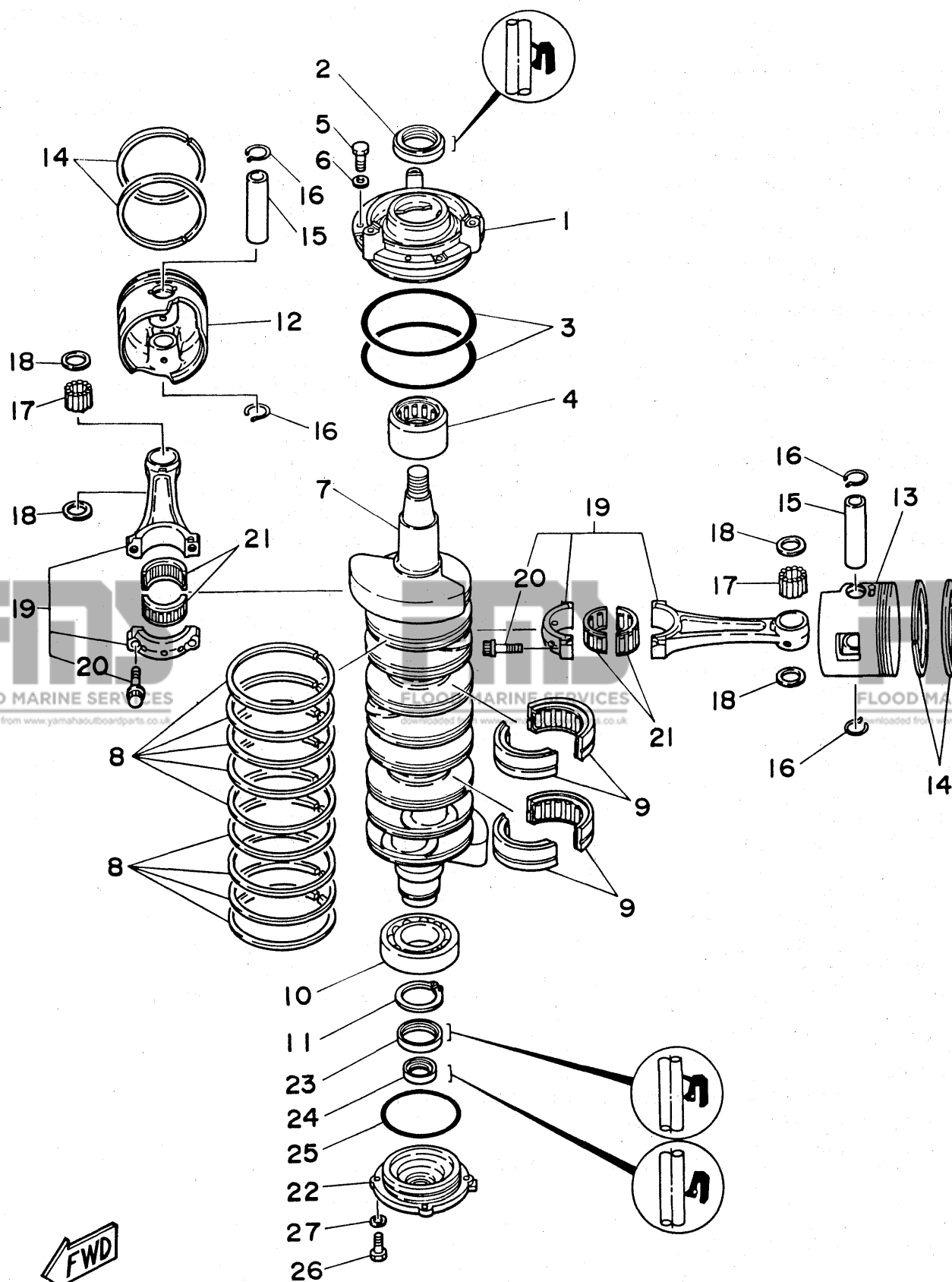
■See Fig. 21 for detail service parts.

Fig. 2 CRANK & PISTON

FLOOD MARINE SERVICES
downloaded from www.yamahautboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahautboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahautboardparts.co.uk



150A/175A/200A

56

FLOOD MARINE SERVICES
downloaded from www.yamahautboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahautboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahautboardparts.co.uk

Fig. 2 CRANK & PISTON

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-15163-00-94	HOUSING, bearing 1	1	14	6E5-11610-01	PISTON RING SET (S.T.D.)	6
2	93102-40M14	OIL SEAL	1	※	6E5-11610-11	PISTON RING SET (1st O.S.)	6 A.P.
3	93211-04M36	O-RING	2	※	6E5-11610-21	PISTON RING SET (2nd O.S.)	6 A.P.
4	93311-940U3	BEARING, needle	1	15	6E5-11633-01	PIN, piston	6
5	97313-06020	BOLT	4	16	6E5-11634-00	CLIP, piston pin	12
6	92903-06600	WASHER	4	17	93603-21111	BEARING, con-rod small end	180
7	6G5-11411-00	SHAFT, crank 1	1	18	90201-21M75	WASHER	12
8	6E5-11447-00	SEAL, ring	9	19	6E5-11650-01	CONNECTOR ROD ASS'Y	6
9	93310-954V3	BEARING, needle	2	20	90109-08462	. BOLT	12
10	93306-208U0	BEARING (B6208)	1	21	93310-836V2	BEARING, needle	6
11	93410-40M03	CIRCLIP	1	22	6G5-15359-00-94	HOUSING, oil seal	1
12	6G5-11631-00-93	PISTON 1 (S.T.D.)	3	23	93102-35M13	OIL SEAL	1
※	6G5-11635-00	PISTON 1 (1st O.S.)	3 A.P.	24	93101-22M15	OIL SEAL	1
※	6G5-11636-00	PISTON 1 (2nd O.S.)	3 A.P.	25	93210-74M35	O-RING	1
13	6G5-11642-00-93	PISTON 2 (S.T.D.)	3	26	97395-06020	BOLT	4
※	6G5-11645-00	PISTON 2 (1st O.S.)	3 A.P.	27	92990-06600	WASHER	4
※	6G5-11646-00	PISTON 2 (2nd O.S.)	3 A.P.				

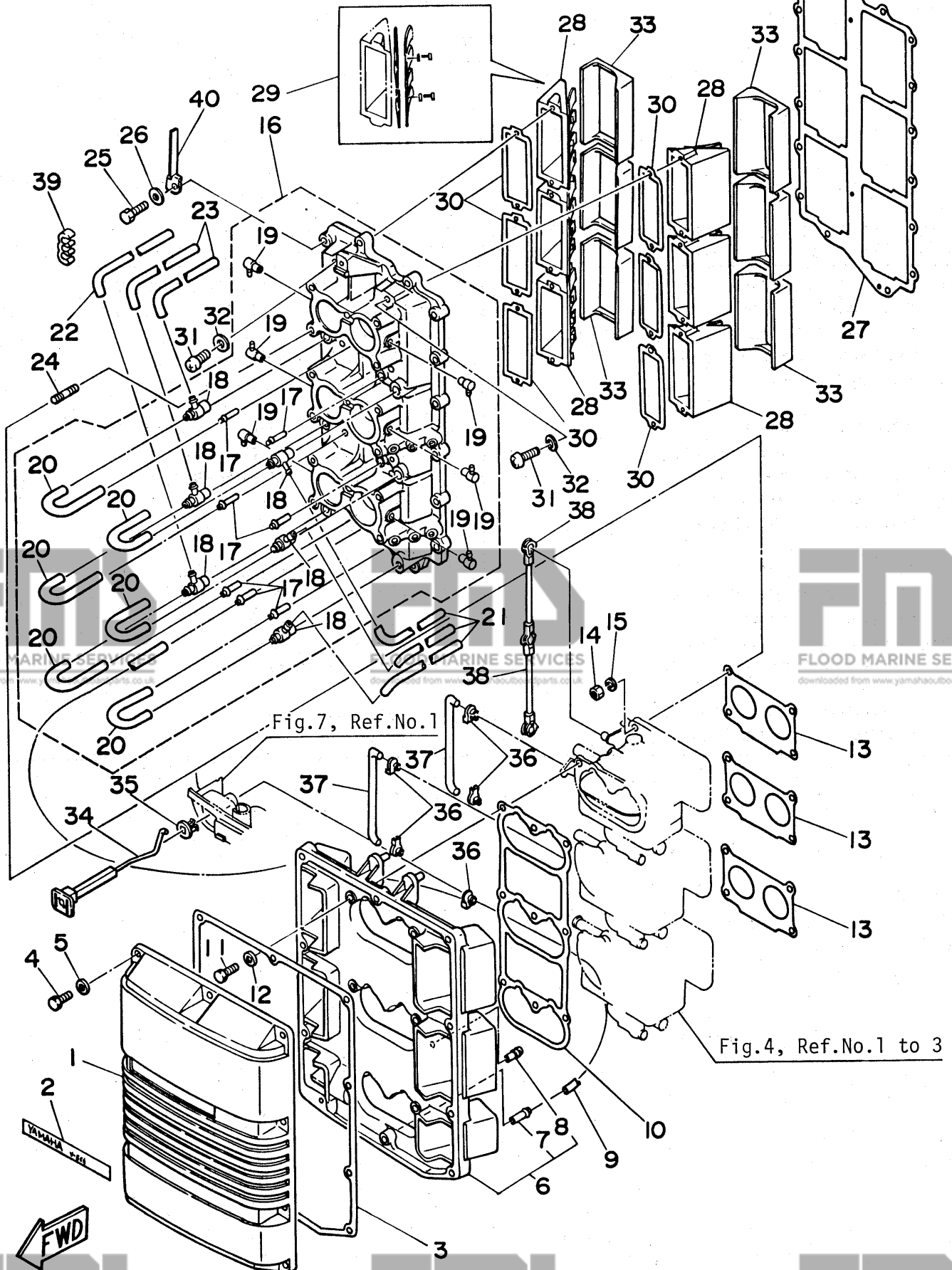
※Not Shown

Fig. 3 INTAKE

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk



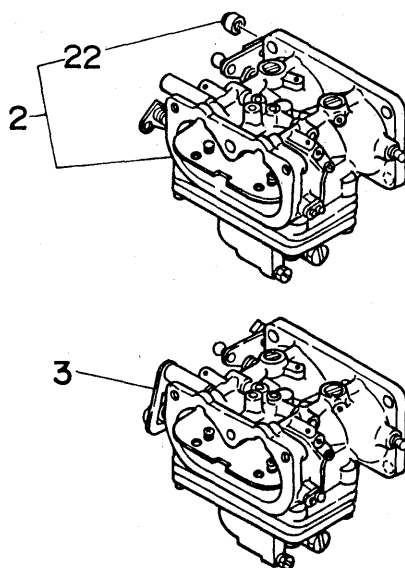
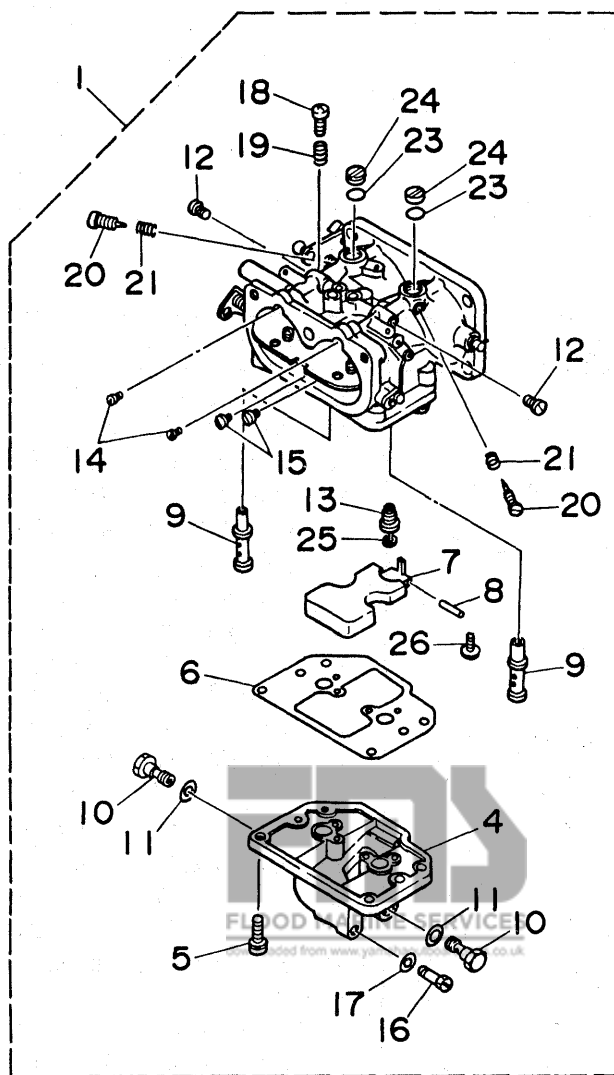
150A/175A/200A

Fig. 3 INTAKE

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G5-14418-00	COVER 2	1	22	90445-07M59	HOSE	1
2	6G5-1441K-00	EMBLEM 1	1	23	90445-07M46	HOSE	2
3	6G5-14416-00	GASKET, air cleaner	1	24	90116-06M08	BOLT, stud	12
4	97313-06020	BOLT	10	25	97313-06025	BOLT	16
5	92903-06600	WASHER	10	26	92903-06600	WASHER	16
6	6G5-14417-00-98	COVER 1	1	27	6G5-13645-00	GASKET, intake manifold	1
7	624-14485-00	. PIPE, joint	1	28	6G5-13610-00	REED VALVE ASS'Y (150A/175A Model)	6 U.R.
8	6E5-14485-00	. PIPE, joint	1	※	6E5-13610-00	REED VALVE ASS'Y (200A Model)	6 U.R.
9	90445-07M23	HOSE	1	29	6E5-W0004-00	. REED SET	6
10	6G5-14483-00	GASKET, plate	1	30	6E5-13621-00	PACKING, valve seat	6
11	97313-06020	BOLT	6	31	97803-05016	SCREW, panhead	12
12	92903-06600	WASHER	6	32	92903-05600	WASHER	12
13	6E5-14198-00	GASKET	3	33	6G5-13625-00	SPACER, reed valve	6
14	95303-06600	NUT	12	34	6E5-41271-00	KNOB, choke	1
15	92903-06100	WASHER	12	35	689-41273-00	GROMMET	1
16	6G5-13641-10-94	MANIFOLD, intake 1	1	36	661-41262-02	JOINT, choke lever	5
17	624-14485-00	. PIPE, joint	7	37	6E5-41256-00	ROD, choke link	2
18	6E5-11375-00	. CHECK VALVE	6	38	6G5-41217-00	ROD, accel. lever	1
19	6E5-13552-02	. NOZZLE	6	39	90464-07M05	CLAMP	2
20	90445-07M28	. HOSE	6	40	90465-07M20	CLAMP	2
21	90445-07M45	HOSE	3				

※Not shown

Fig. 4 CARBURETOR



27
**CARBURETOR
 REPAIR SET**



150A/175A/200A

60

Fig. 4 CARBURETOR

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G4-14301-01	CARBURETOR ASS'Y (Upper) (150A Model)	1 U.R.	11	1J2-14398-00	. GASKET	6
※	6G5-14301-01	CARBURETOR ASS'Y (Upper) (175A Model)	1 U.R.	12	6G4-14342-47	. JET, pilot (#94) (175A/200A Model)	6 U.R.
※	6G6-14301-01	CARBURETOR ASS'Y (Upper) (200A Model)	1 U.R.	※	6G4-14342-45	. JET, pilot (#90)(150A Model)	6 U.R.
2	6G4-14302-01	CARBURETOR ASS'Y (Center) (150A Model)	1 U.R.	13	6E5-14390-20	. VALVE SEAT ASS'Y	3
※	6G5-14302-01	CARBURETOR ASS'Y (Center) (175A Model)	1 U.R.	14	6E5-14347-25	. JET, air slow (150A/175A Model)	6 U.R.
※	6G6-14302-01	CARBURETOR ASS'Y (Center) (200A Model)	1 U.R.	※	6E5-14347-30	. JET, air slow (200A Model)	6 U.R.
3	6G4-14303-01	CARBURETOR ASS'Y (Lower) (150A Model)	1 U.R.	15	6E5-14337-45	. JET, air main (0.9ø) (175A Model)	6 U.R.
※	6G5-14303-01	CARBURETOR ASS'Y (Lower) (175A Model)	1 U.R.	※	6E5-14337-65	. JET, air main (1.3ø) (150A Model)	6 U.R.
※	6G6-14303-01	CARBURETOR ASS'Y (Lower) (200A Model)	1 U.R.	※	6E5-14337-80	. JET, air main (1.6ø) (200A Model)	6 U.R.
4	6G4-14381-00	. BODY, float chamber	3	16	6E5-14383-00	. SCREW, drain	3
5	97803-05017	. SCREW, panhead	12	17	6E5-14398-00	. GASKET	3
6	6E5-14384-01	. GASKET, float chamber	3	18	650-14321-00	. SCREW, throttle (Upper)	1
7	6E5-14385-00	. FLOAT ASS'Y	3	19	647-14334-00	. SCREW, air adjusting (Upper)	1
8	6E5-14386-01	. PIN, float	3	20	6G5-14323-00	. SCREW, air adjusting	6
9	6G5-14341-00	. NOZZLE, main (150A/175A Model)	6 U.R.	21	650-14223-00	. SPRING	6
※	6G6-14341-00	. NOZZLE, main (200A Model)	6 U.R.	22	682-41291-00	. BUSHING (Center)	1
10	6E5-14343-63	. JET, main (#125) (150A/175A Model)	6 U.R.	23	617-24565-00	. O-RING	6
※	6E5-14343-78	. JET, main (#155) (200A Model)	6 U.R.	24	6G5-14328-00	. SCREW, pilot stop	3
				25	367-14195-00	. GASKET	3
				26	98902-04010	. SCREW	3
				♣27	6G5-W0093-00	CARBURETOR REPAIR SET	1

※Not shown

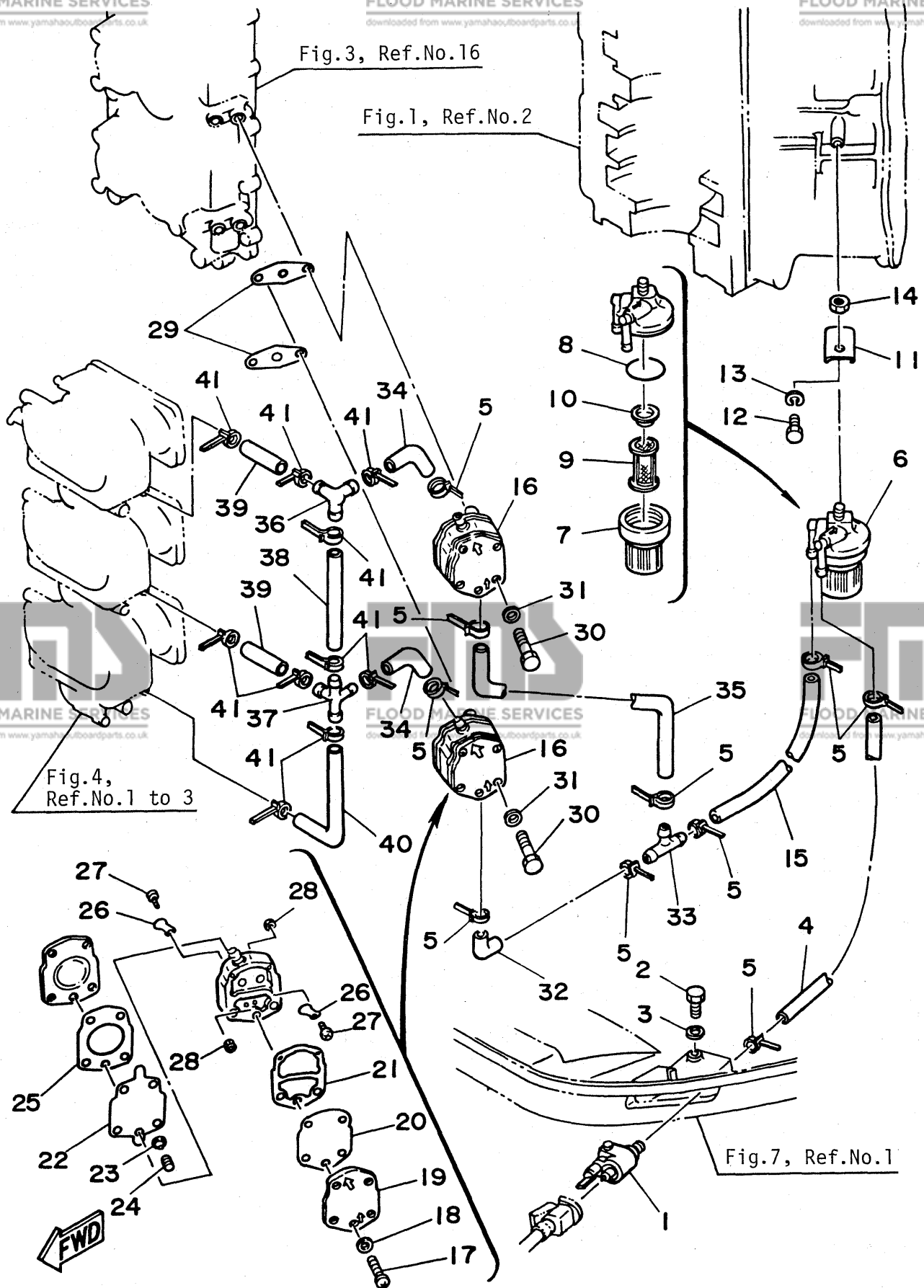
♣See Fig. 21 for detail service parts.

Fig. 5 FUEL

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk



FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

Fig. 5 FUEL

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-24304-00-94	FUEL PIPE JOINT COMP. 1	1	22	6E5-24411-00	. DIAPHRAGM	2
2	97313-06020	BOLT	1	23	648-24424-00	. PLATE, spring guide	2
3	92903-06600	WASHER	1	24	6E5-24423-00	. SPRING, diaphragm	2
4	6G5-24313-00	HOSE 3	1	25	6E5-24434-00	. GASKET, body 1	2
5	90465-13M11	CLAMP	10	26	6A0-24421-01	. VALVE, check	8
6	6E5-24560-00	FILTER ASS'Y	1	27	98501-03006	. SCREW, panhead	8
7	655-24521-00	. CUP, filter	1	28	98813-03100	. NUT	8
8	93210-37M25	. O-RING	1	29	650-24431-00	GASKET, fuel pump	2
9	655-24563-00	. ELEMENT, filter	1	30	97313-06050	BOLT	2
10	655-24564-00	. PACKING, filter	1	31	92903-06600	WASHER	2
11	648-24566-01	BRACKET, filter	1	32	6E5-24315-00	HOSE 5	1
12	97313-06014	BOLT	1	33	6E5-24378-00	PIPE, joint 3	1
13	92903-06100	WASHER	1	34	6E5-24316-00	HOSE 6	2
14	95303-08600	NUT	1	35	6G5-24315-00	HOSE 5	1
15	6G5-24314-00	HOSE 4	1	36	6G5-24376-00	PIPE, joint 1	1
16	6E5-24410-00	FUEL PUMP ASS'Y	2	37	6G5-24377-00	PIPE, joint 2	1
17	98503-05035	. SCREW, panhead	6	38	6G5-24317-00	PIPE 7	1
18	92903-05600	. WASHER	6	39	6G5-24318-00	PIPE 8	2
19	6E5-24413-00	. COVER, pump	2	40	6G5-24319-00	PIPE 9	1
20	6E5-24471-00	. DIAPHRAGM	2	41	90465-13M11	CLAMP	10
21	6E5-24435-00	. GASKET, body 2	2				

Fig. 6 TOP COWLING

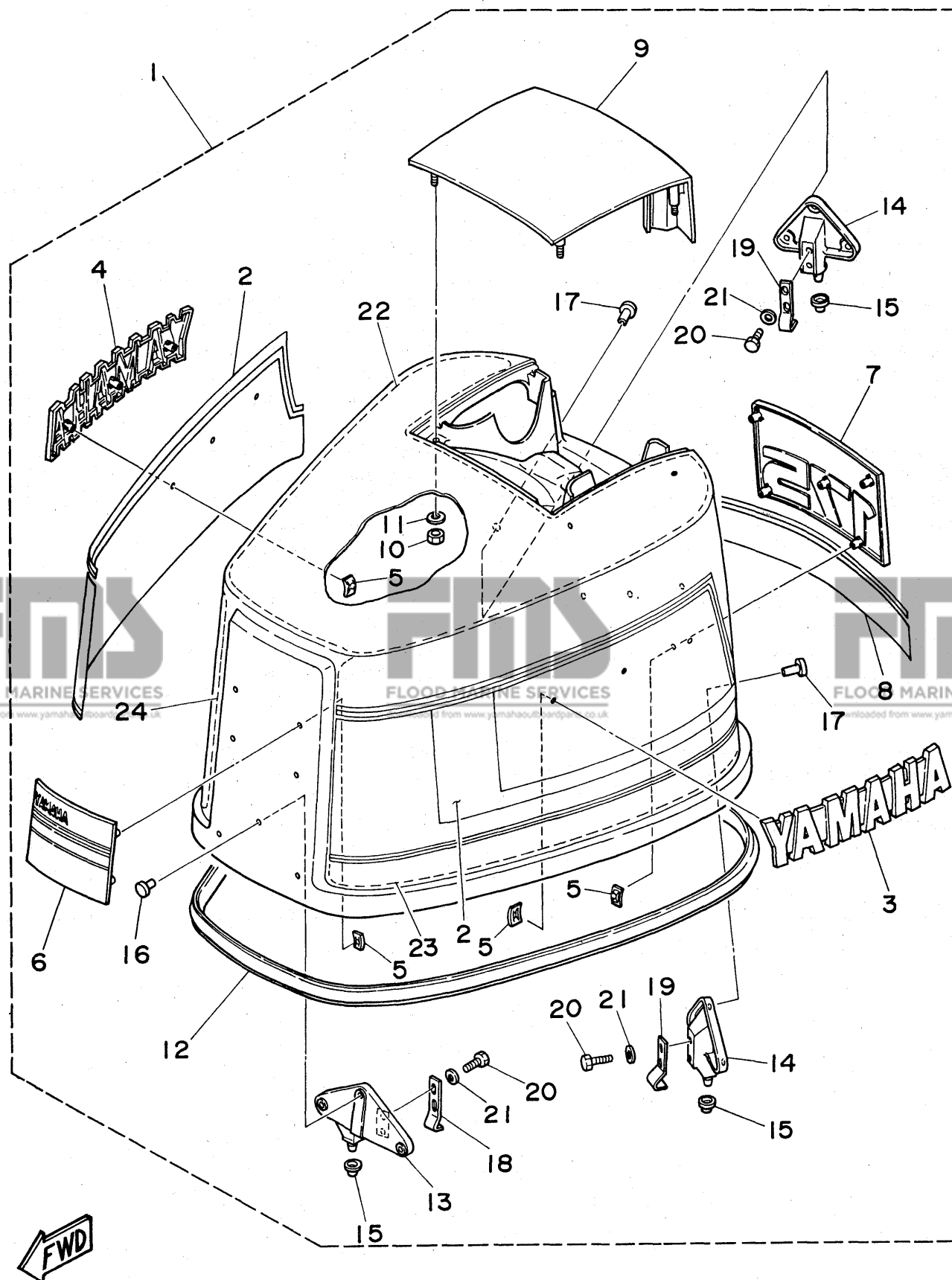
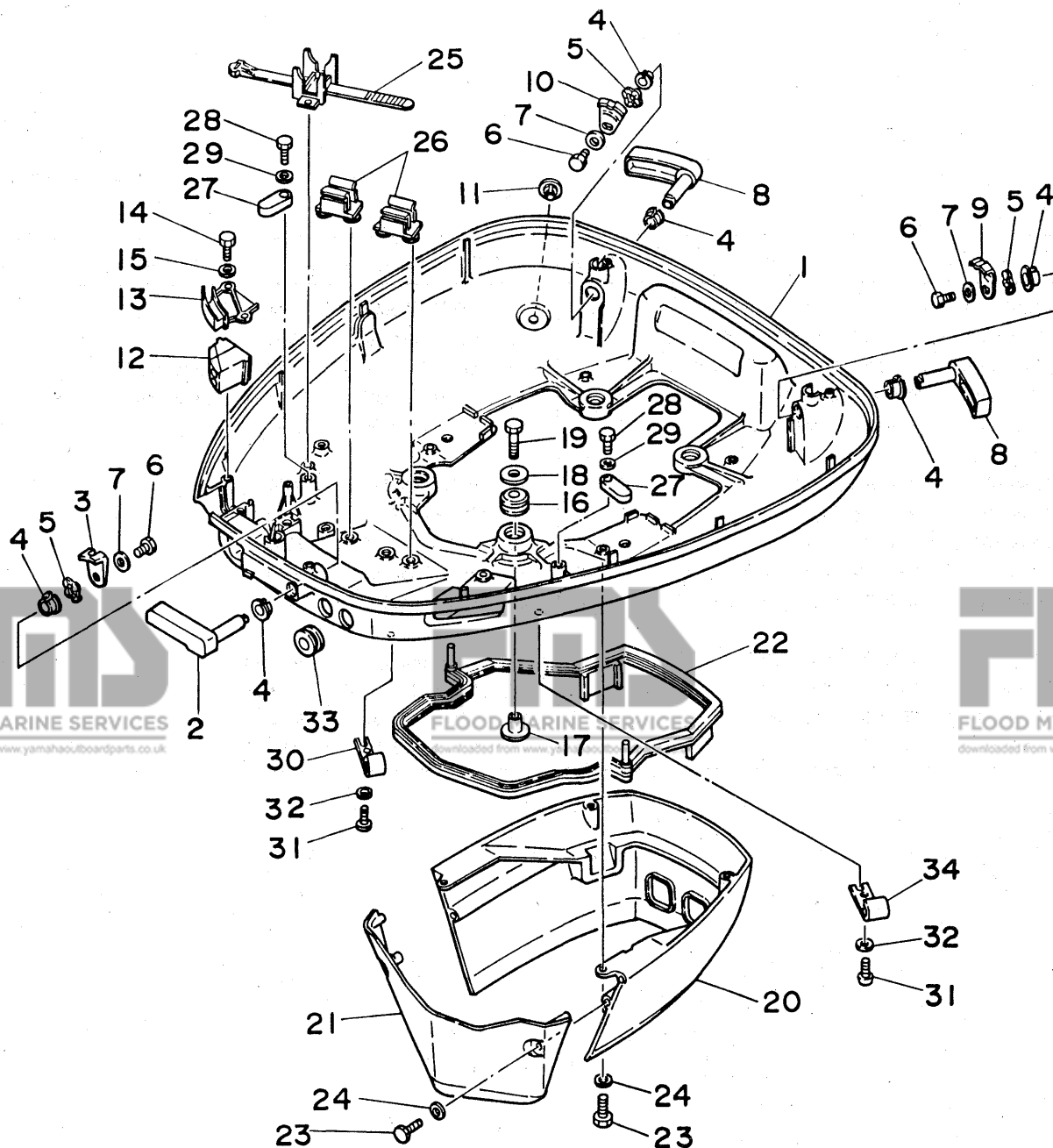


Fig. 6 TOP COWLING

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G5-42610-G0-EJ	TOP COWLING ASS'Y (175A Model)	1 U.R.	11	92990-06600	. WASHER	4
※	6G4-42610-G0-EJ	TOP COWLING ASS'Y (150A Model)	1 U.R.	12	6E5-42615-00	. SEAL	1
※	6G6-42610-G0-EJ	TOP COWLING ASS'Y (200A Model)	1 U.R.	13	6E5-42647-00-94	. HOLDER, clamp band 1	1
2	6G5-W0070-E0	. GRAPHIC SIDE SET	1	14	6E5-42649-01-94	. HOLDER, CLAMP band 2	2
3	6G5-42681-00	. MARK, cowling 1	1	15	663-42662-00	. DAMPER 1	3
4	6G5-42682-00	. MARK, cowling 2	1	16	90266-06009	. RIVET	3
5	90183-05M01	. NUT, spring	15	17	90266-06M02	. RIVET	6
6	6G5-42686-00	. EMBLEM, front	1	18	688-42652-00	. HOOK 2	1
7	6G5-42687-00	. EMBLEM, rear (175A Model)	1 U.R.	19	6E5-42652-00	. HOOK 2	2
※	6G4-42687-00	. EMBLEM, rear (150A Model)	1 U.R.	20	97395-06016	. BOLT	6
※	6G6-42687-00	. EMBLEM, rear (200A Model)	1 U.R.	21	92990-06600	. WASHER	6
8	6G5-42678-E0	. GRAPHIC, rear	1	22	6E5-42617-00	. RUBBER, form 1	1
9	6G5-42613-00-EJ	. MOLDING, air duct	1	23	6G5-42619-00	. RUBBER, form 2	1
10	95390-06600	. NUT	4	24	6G5-42627-00	. RUBBER, form 3	1

※Not shown

Fig. 7 BOTTOM COWLING



150A/175A/200A

Fig. 7 BOTTOM COWLING

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-42711-10-EJ	COWLING, bottom	1	18	90201-08M54	WASHER	4
2	688-42815-00-EJ	LEVER, clamp 1	1	19	97375-08035	BOLT	4
3	688-42816-00	LEVER, clamp 2	1	20	6E5-42741-00-EJ	APRON 1	1
4	90386-13M38	BUSHING	6	21	6E5-42771-00-EJ	APRON 2	1
5	90206-13M10	WASHER	3	22	6E5-42716-00	SEAL, rubber	1
6	97395-06012	BOLT	3	23	97395-06020	BOLT	6
7	90201-06068	WASHER	3	24	92990-06600	WASHER	6
8	6E5-42817-00-EJ	LEVER, clamp 3	2	25	688-82594-00	CLAMP	1
9	6G5-42816-00	LEVER, clamp 2	1	26	6E5-82594-00	CLAMP	2
10	6E5-42816-01	LEVER, clamp 2	1	27	6E5-82588-00	PLATE	2
11	6E5-44391-00	NIPPLE, hose 1	1	28	97313-06020	BOLT	2
12	6E5-42725-00	GROMMET 2	1	29	92903-06600	WASHER	2
13	6E5-42738-00-94	PLATE, fitting	1	30	6E5-24367-00	CLAMP, fuel pipe 2	1
14	97313-06016	BOLT	2	31	90157-06M01	SCREW, panhead	2
15	92903-06600	WASHER	2	32	92990-06600	WASHER	2
16	90480-22M15	GROMMET	4	33	90480-21M33	GROMMET	2
17	90387-08M37	COLLAR	4	34	6E5-24367-10	CLAMP, fuel pipe 2	1

Fig. 8 BRACKET

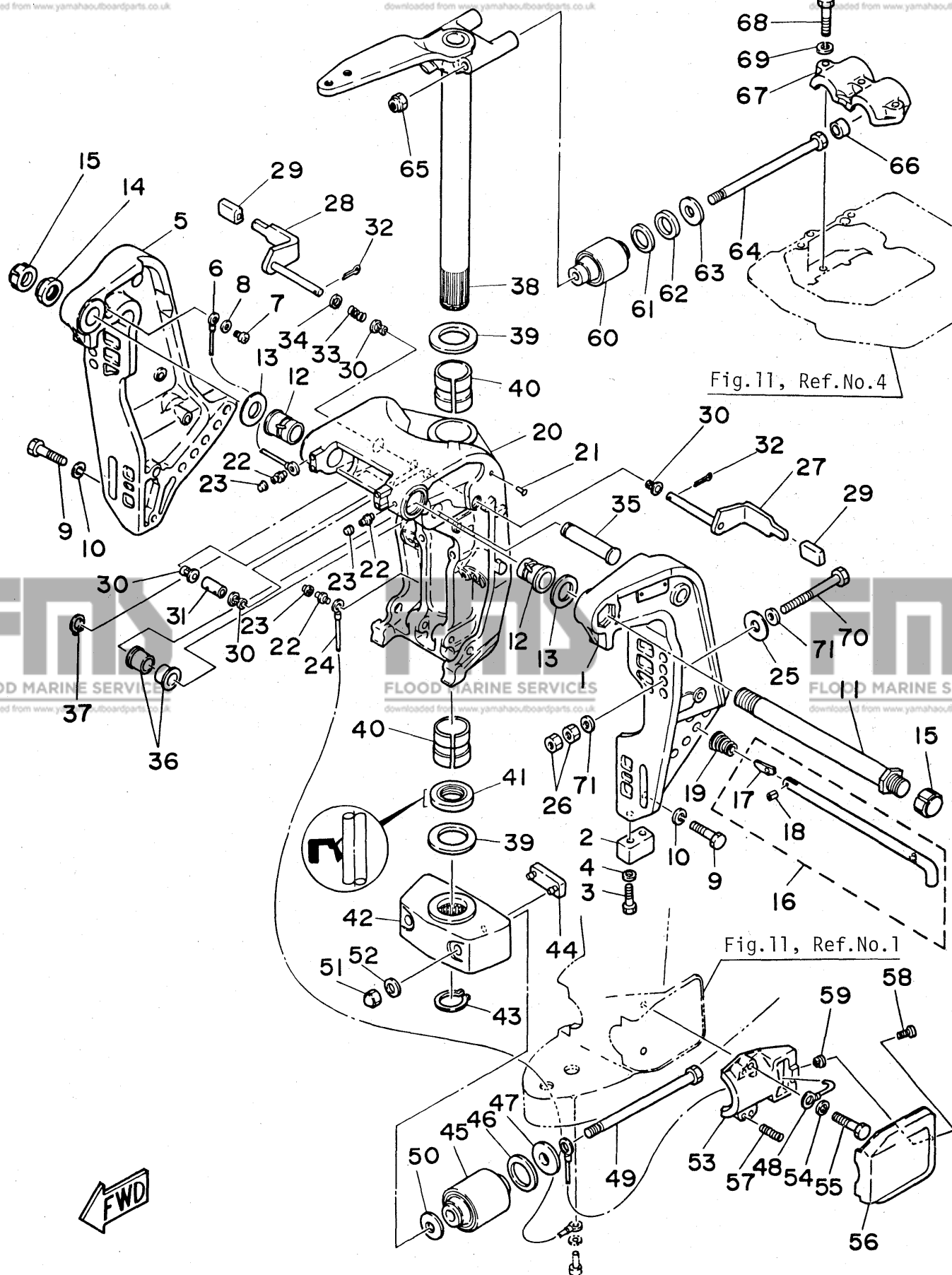


Fig. 8 BRACKET

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-43111-00-EJ	BRACKET, clamp 1	1	36	90386-18M44	BUSHING	2
2	6E5-45251-00	ANODE	1	37	93410-18M02	CIRCLIP	1
3	97395-06025	BOLT	2	38	6E5-42510-00-EJ	STEERING BRACKET ASS'Y (Long)	1 U.R.
4	92990-06600	WASHER	2	※	6E5-42510-20-EJ	STEERING BRACKET ASS'Y (Ultra Long)	1 U.R.
5	6E5-43112-00-EJ	BRACKET, clamp 2	1	39	90201-38M60	WASHER	2
6	6E5-82148-00	WIRE, lead 4	1	40	90386-38M32	BUSHING	2
7	97890-06012	SCREW, panhead	1	41	93109-38M02	OIL SEAL	1
8	92990-06600	WASHER	1	42	6E5-44551-00-EJ	HOUSING, lower mount	1
9	97395-10045	BOLT	6	43	93410-37M04	CIRCLIP	1
10	92990-10100	WASHER	6	44	6E5-44575-00	DAMPER, lower mount rubber	1
11	6E5-43131-00	BOLT, clamp bracket	1	45	6G5-44555-00-94	MOUNT RUBBER, lower side	2
12	90386-25M31	BUSHING	2	46	90202-32M19	WASHER	2
13	90201-26M59	WASHER	2	47	90201-16M55	WASHER	2
14	90185-22043	NUT, self-locking	1	48	6E5-82149-00	WIRE, lead 3	1
15	663-43145-00	CAP, clamp bracket	2	49	90109-14M10	BOLT	2
16	6E5-43160-01	TILT ROD ASS'Y	1	50	90201-15M58	WASHER	2
17	688-43165-00	. STOPPER PLATE	1	51	95380-14800	NUT, crown	2
18	91690-30014	. PIN, spring	1	52	92990-14600	WASHER	2
19	90502-20M03	SPRING, conical	1	53	6E5-44552-00-EJ	HOUSING, lower mount rubber	2
20	6E5-43311-01-EJ	BRACKET, swivel 1 (Long)	1 U.R.	54	92990-10100	WASHER	4
※	6E5-43311-21-EJ	BRACKET, swivel 1 (Ultra Long)	1 U.R.	55	97395-10045	BOLT	4
21	90269-03010	RIVET 1	1	56	6E5-44553-00-EJ	COVER, lower mount	2
22	93700-06004	NIPPLE, grease	3	57	90501-16M28	SPRING, compression	4
23	663-45119-00	CAP, grease nipple	3	58	92380-06015	SCREW, cylinderhead	2
24	6E5-82147-00	WIRE, lead 4 (Long)	1 U.R.	59	90179-06066	NUT	2
※	6E5-82147-20	WIRE, lead 4 (Ultra Long)	1 U.R.	60	6G5-44514-00-94	MOUNT RUBBER, upper side	2
25	90201-12426	WASHER	4	61	90201-26M57	WASHER	2
26	95380-12600	NUT	8	62	90202-26M18	WASHER	2
27	6E5-43181-00	LEVER, tilt stop 1	1	63	90201-14M56	WASHER	2
28	6E5-43185-00	LEVER, tilt stop 2	1	64	90109-12M09	BOLT	2
29	663-43318-00	COVER	2	65	90185-12058	NUT, self-locking	2
30	90386-10M16	BUSHING	4	66	663-44575-00	DAMPER, lower mount rubber	2
31	90387-10M38	COLLAR	1	67	6E5-44511-00-EJ	COVER, upper mount rubber	1
32	91490-30025	PIN, cotter	2	68	97395-10045	BOLT	3
33	90501-10M21	SPRING, compression	1	69	92990-10100	WASHER	3
34	92990-10600	WASHER	1	70	90101-12M65	BOLT	4
35	6E5-43126-00	PIN, upper shock mount	1	71	92990-12200	WASHER	8

※Not shown

Fig. 9 POWER TRIM & TILT

FLOOD MARINE SERVICES

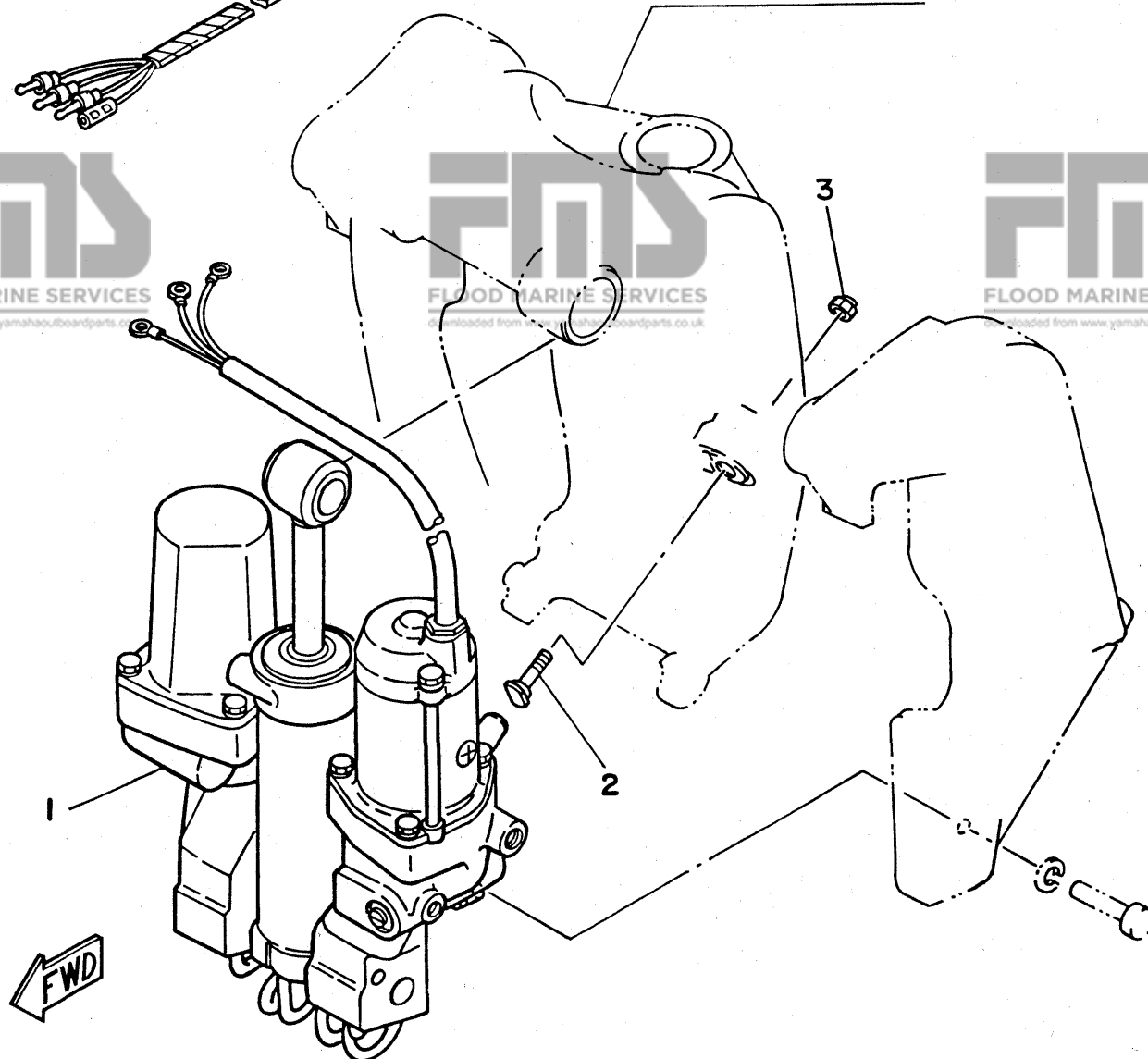
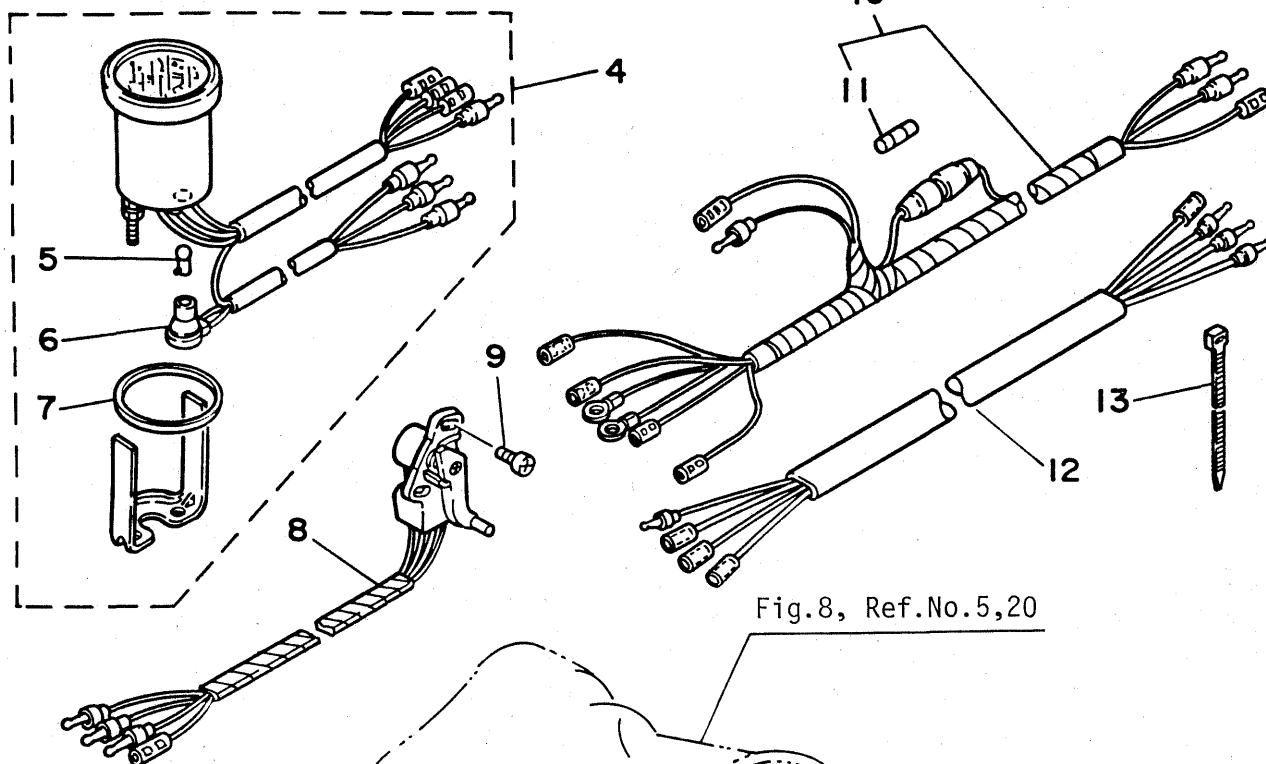
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk



FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

Fig. 9 POWER TRIM & TILT

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
▲ 1	6E5-43800-01-EJ	POWER TRIM & TILT ASS'Y	1	8	6E5-83672-00	TRIM SENDER	1
2	6E5-43376-00	BOLT, thrust receiver	2	9	97890-06016	SCREW, panhead	2
3	90185-08057	NUT, self-locking	2	10	688-83553-10	WIRE, lead	1
4	688-83671-00	TRIM GAUGE	1	11	1E6-82151-00	. FUSE (12V-10A)	1
5	688-83516-00	. BULB (12V-1.7W)	1	12	6E5-82553-00	EXTENSION, wire harness	1
6	688-83536-00	. SOCKET, meter	1	13	90465-11M10	CLAMP	5
7	688-83664-00	. DAMPER	1				

▲ See Fig. 20 for detail service parts.

Fig. 10 CONTROL

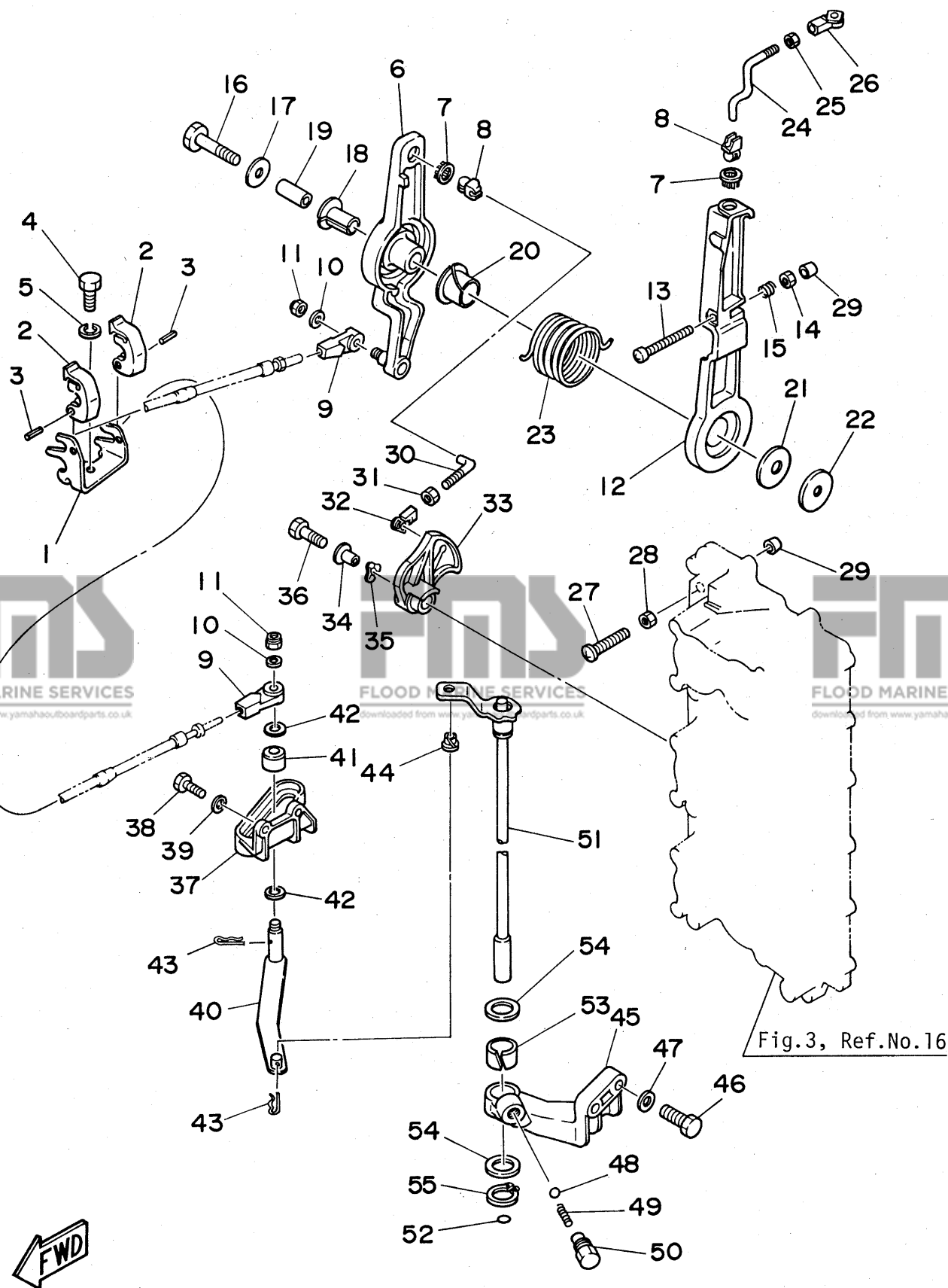


Fig. 10 CONTROL

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-48531-00	BRACKET, remote control	1	30	6G5-41211-00	LINK, accel.	1
2	6E5-48538-00	CLAMP, cable	2	31	95303-05600	NUT	1
3	91690-30012	PIN, spring	2	32	662-41237-01	JOINT, link 2	1
4	97313-08020	BOLT	1	33	6G5-41213-00	CAM, accel.	1
5	92903-08100	WASHER	1	34	90387-06M29	COLLAR	1
6	6G5-41632-00-94	LEVER, magneto control 2	1	35	90206-10049	WASHER	1
7	6E5-41655-00	BUSHING	2	36	97313-06025	BOLT	1
8	6E5-41214-00	JOINT, ball	2	37	6E5-44117-00-EJ	BRACKET	1
9	6E5-48344-00	CABLE END, remote control	2	38	97313-06020	BOLT	2
10	92903-06200	WASHER	2	39	92903-06600	WASHER	2
11	90185-06062	NUT, self-locking	2	40	6E5-44121-00	LEVER, shift rod 1	1
12	6G5-41631-00-94	LEVER, magneto control 1	1	41	6E5-44122-00	BUSHING, shift rod lever	1
13	90157-06013	SCREW, crossrecess panhead	1	42	90202-08M20	WASHER	2
14	95303-06600	NUT	1	43	90468-18008	PIN, hair	2
15	90501-16M12	SPRING, compression	1	44	90386-06M12	BUSHING	1
16	97313-08045	BOLT	1	45	6E5-44118-00-EJ	BRACKET 2	1
17	90201-08M23	WASHER	1	46	97313-08030	BOLT	2
18	90386-12089	BUSHING	1	47	92903-08600	WASHER	2
19	90387-08M16	COLLAR	1	48	93501-04M02	BALL	1
20	90386-22M13	BUSHING	1	49	90501-12082	SPRING, compression	1
21	90202-12092	WASHER	1	50	648-42715-00	BUSHING 2	1
22	90201-08M13	WASHER	1	51	6E5-44120-01	HANDLE GEAR SHIFT ASS'Y (Long)	1 U.R.
23	90508-29M12	SPRING, torsion	1	※	6E5-44120-21	HANDLE GEAR SHIFT ASS'Y (Ultra Long)	1 U.R.
24	6G5-41636-00	ROD, magneto control	1	52	93210-09165	O-RING	1
25	95303-05600	NUT	1	53	90386-16046	BUSHING	1
26	662-41237-01	JOINT, link 2	1	54	90202-16061	WASHER	2
27	90157-06M00	SCREW, crossrecess panhead	1	55	93410-16006	CIRCLIP	1
28	95303-06600	NUT	1				
29	688-44194-00	CAP	2				

※Not shown

Fig. 11 UPPER CASING

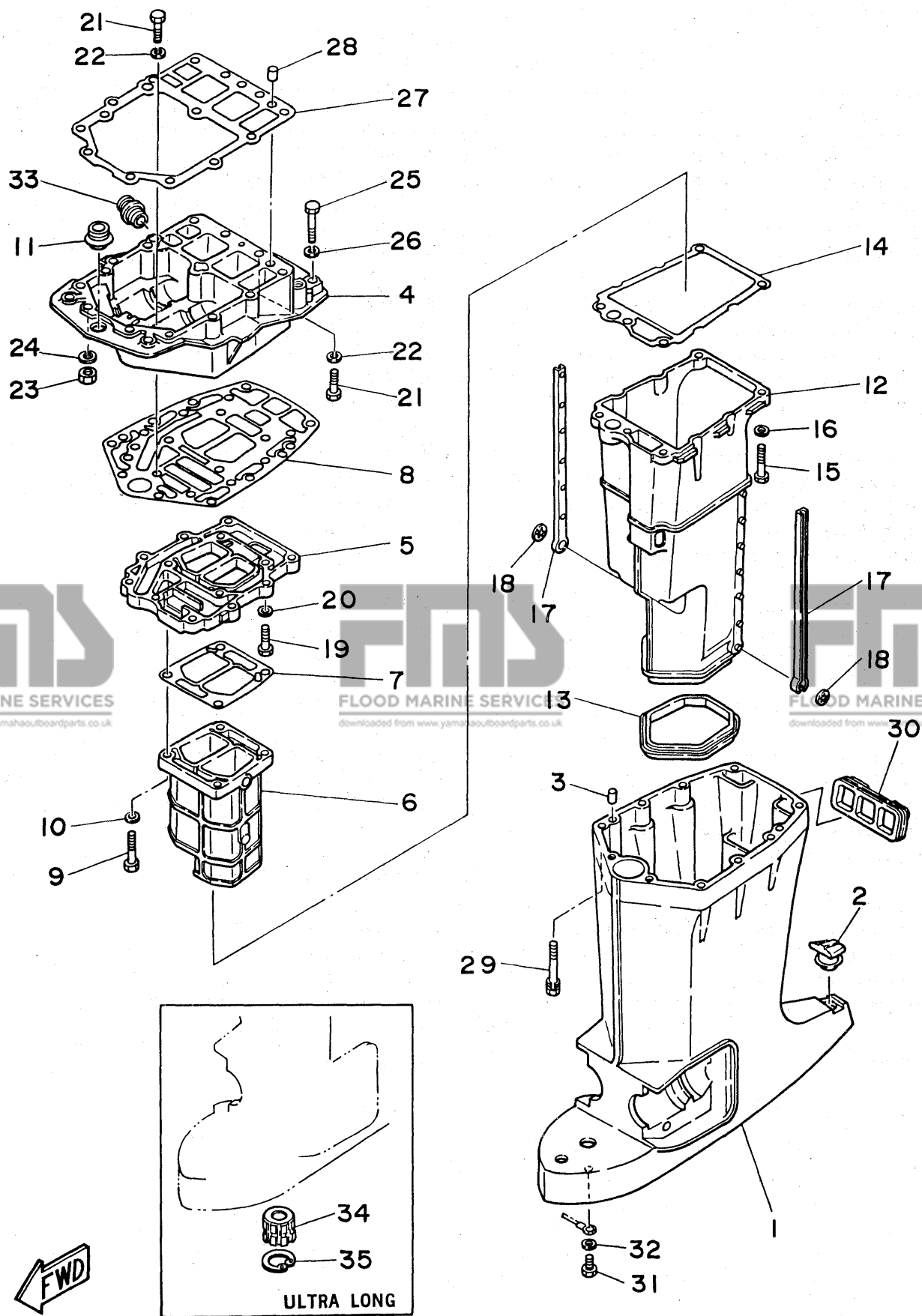


Fig. 11 UPPER CASING

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-45111-01-EJ CASING, upper (Long)		1 U.R.	20	92990-08600	WASHER	4
※	6E5-45111-20-EJ CASING, upper (Ultra Long)		1 U.R.	21	97395-08030	BOLT	6
2	6E5-45155-00 CAP		1	22	92990-08100	WASHER	6
3	93608-12M05 PIN, dowel B		2	23	95380-08700	NUT	2
4	6G5-41137-00-94 GUIDE, exhaust		1	24	92990-08100	WASHER	2
5	6G5-41131-00-9M MANIFOLD, exhaust 1		1	25	97395-08045	BOLT	2
6	6G5-41132-00-9M MANIFOLD, exhaust 2		1	26	92990-08100	WASHER	2
7	6G5-41134-00 GASKET, exhaust manifold 2		1	27	6G5-45113-00	GASKET, upper casing 1	1
8	6G5-45114-00 GASKET, upper casing 2		1	28	93608-12M05	PIN, dowel B	2
9	97395-08045 BOLT		4	29	90119-08M04	BOLT, hexagon with washer	6
10	92990-08600 WASHER		4	30	6E5-42769-00	SEAL, rubber	1
11	6E5-42724-00 GROMMET 1		1	31	97395-06010	BOLT	1
12	6E5-14711-00-9M MUFFLER		1	32	92990-06600	WASHER	1
13	6E5-45123-00 GASKET, muffler		1	33	6G5-12581-00	JOINT, hose 1	1
14	6E5-41135-00 GASKET, exhaust manifold 3		1	34	6E5-45318-00	BUSHING, drive shaft 3 (Ultra Long)	1
15	97395-08045 BOLT		5	35	93420-36M01	CIRCLIP (Ultra Long)	1
16	92990-08600 WASHER		5				
17	6E5-14737-00 DAMPER, muffler		2				
18	90183-05M02 NUT, spring		2				
19	97395-08030 BOLT		4				

※Not shown

Fig. 12 LOWER & DRIVE I

FLOOD MARINE SERVICES

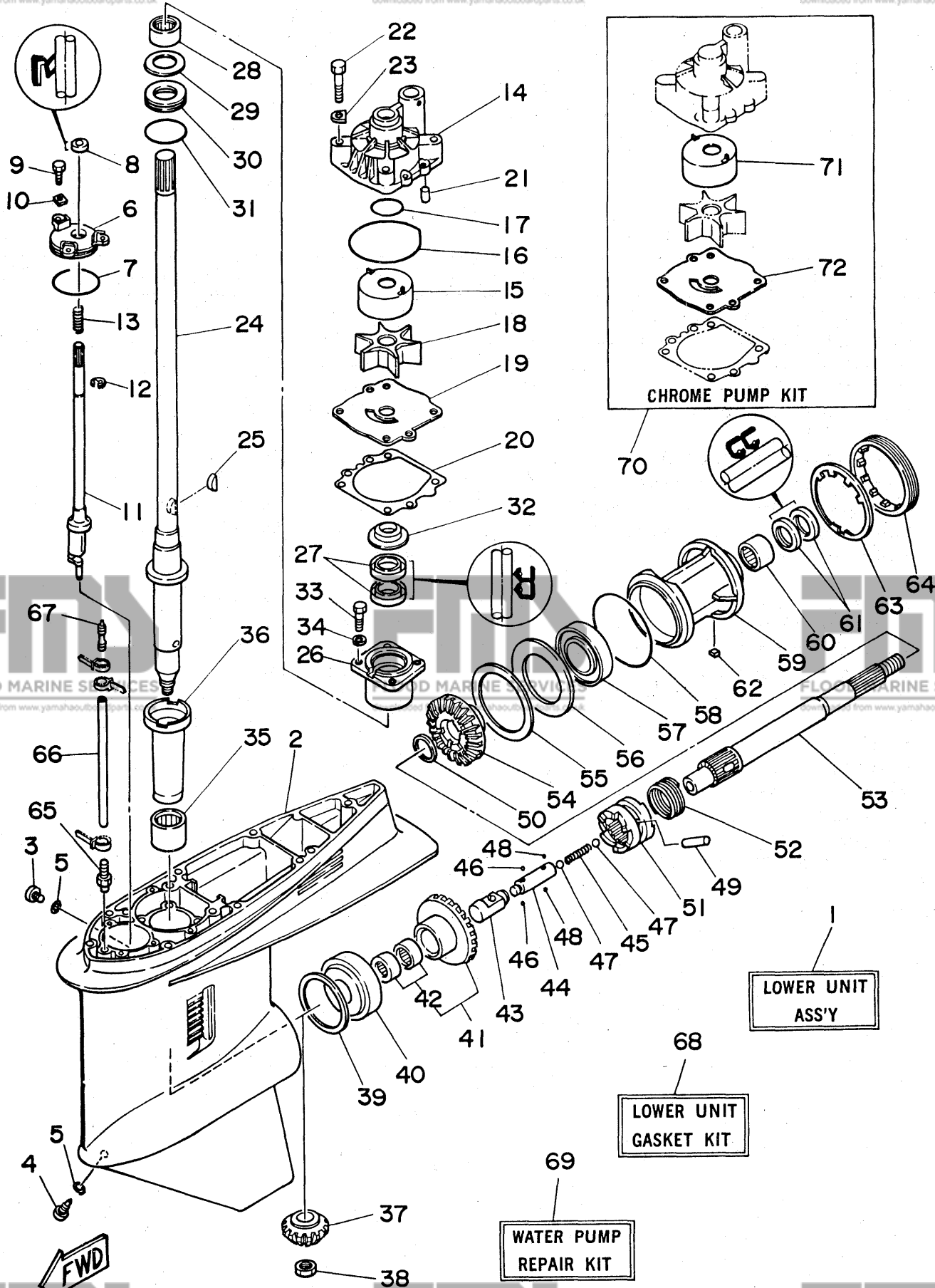
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk



150A/175A/200A

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G5-45300-10-EJ	LOWER UNIT ASS'Y (Long)		38	90170-16M01	NUT	1
		(Ref. No. 2 to 67)	1 U.R.	39	6G5-45567-00-05	SHIM 1 (0.05mm)	1 U.R.
※	6G5-45300-20-EJ	LOWER UNIT ASS'Y (Ultra Long)			6G5-45567-00-08	SHIM 1 (0.08mm)	1 U.R.
		(Ref. No. 2 to 67)	1 U.R.		6G5-45567-00-12	SHIM 1 (0.12mm)	1 U.R.
2	6G5-45301-00-EJ	CASING, lower	1		6G5-45567-00-30	SHIM 1 (0.30mm)	1 U.R.
3	90340-08014	PLUG, straight screw	1		6G5-45567-00-50	SHIM 1 (0.50mm)	1 U.R.
4	90340-08M02	PLUG, straight screw	1	40	93332-000V3	BEARING, taper roller	1
5	90430-08020	GASKET	2	41	6G5-45560-00	GEAR 1 ASS'Y (26T)	1
6	6E5-45321-00	PLATE	1	42	93315-425V3	. BEARING, needle	1
7	93210-58144	O-RING	1	43	6E5-45641-01	SHIFTER	1
8	93106-09014	OIL SEAL	1				
9	97395-06020	BOLT	3	44	6E5-45634-01	SLIDE, shift	1
				45	90501-16M37	SPRING, compression	2
10	90209-06M04	WASHER	3	46	93507-32009	BALL	2
11	6G5-44150-00	SHIFT CAM ASS'Y	1	47	93511-32017	BALL	2
12	93430-08006	CIRCLIP	1	48	93503-16003	BALL	2
13	90501-11M10	SPRING	1	49	90250-08M07	PIN	1
14	6E5-44311-00	HOUSING, water pump	1	50	90201-30M92	WASHER	1
15	6E5-44322-00	INSERT, cartridge	1	51	6G5-45631-00	CLUTCH, dog	1
16	93210-86M38	O-RING	1	52	6E5-45633-01	RING, cross pin	1
17	93210-37160	O-RING	1	53	6G5-45611-00	SHAFT, propeller	1
18	6E5-44352-00	IMPELLER	1				
19	6G5-44323-00	OUTER PLATE, cartridge	1	54	6G5-45571-00	GEAR 2 (26T)	1
				55	6E5-45577-00-05	SHIM 2 (0.50mm)	1 U.R.
20	6E5-44315-00	GASKET, water pump	1		6E5-45577-00-08	SHIM 2 (0.08mm)	1 U.R.
21	93606-12019	PIN, dowel B	1		6E5-45577-00-12	SHIM 2 (0.12mm)	1 U.R.
22	97395-08045	BOLT	4		6E5-45577-00-30	SHIM 2 (0.30mm)	1 U.R.
23	90209-08M02	WASHER	4		6E5-45577-00-50	SHIM 2 (0.50mm)	1 U.R.
24	6G5-45501-00	DRIVE SHAFT COMP. (Long)	1 U.R.	56	6G5-45576-00	WASHER, thrust 2	1
※	6G5-44501-20	DRIVE SHAFT COMP. (Ultra Long)	1 U.R.	57	93306-209U0	BEARING (B6208)	1
25	90280-04M05	KEY, woodruff	1	58	93210-97M55	O-RING	1
26	6E5-45331-00-94	HOUSING, bearing 1	1	59	6G5-45332-00-94	HOUSING, bearing 2	1
27	93101-28M16	OIL SEAL	2				
28	93317-330U2	BEARING, needle	1	60	93315-430U8	BEARING, needle	1
				61	93101-30M17	OIL SEAL	2
29	6E5-45587-00-05	SHIM 3 (0.05mm)	1 U.R.	62	90282-04010	KEY, straight	1
	6E5-45587-00-08	SHIM 3 (0.08mm)	1 U.R.	63	6G5-45383-00	WASHER, claw	1
	6E5-45587-00-12	SHIM 3 (0.12mm)	1 U.R.	64	6G5-45384-00	NUT	1
	6E5-45587-00-30	SHIM 3 (0.30mm)	1 U.R.	65	6E5-45378-00	NIPPLE, hose	1
	6E5-45587-00-50	SHIM 3 (0.50mm)	1 U.R.	66	90445-07M31	HOSE (Long)	1 U.R.
30	93341-930U0	BEARING, thrust	1	※	90445-07M38	HOSE (Ultra Long)	1 U.R.
31	93210-55M14	O-RING	1	67	6E5-83558-00	END, nipple	1
32	6E5-45344-00	COVER, oil seal	1	▲ 68	6G5-W0001-20	LOWER UNIT GASKET KIT	1
33	97395-08025	BOLT	4				
34	92990-08600	WASHER	4	★ 69	6G5-W0078-00	WATER PUMP REPAIR KIT	1
						CHROME PUMP KIT	
35	93311-928U5	BEARING, needle	1	70	6G5-W0078-0A	CHROME PUMP KIT	1
36	6E5-45536-00	SLEEVE, drive shaft	1	71	6E5-44322-41	. INSERT, cartridge	1
37	6G5-45551-00	PINION (14T)	1	72	6G5-44323-40	. OUTER PLATE, cartridge	1

※ Not shown

★ See Fig. 21 for detail service parts.

Fig. 13 LOWER & DRIVE 2

Fig.12, Ref.No.67

Fig.12, Ref.No.66

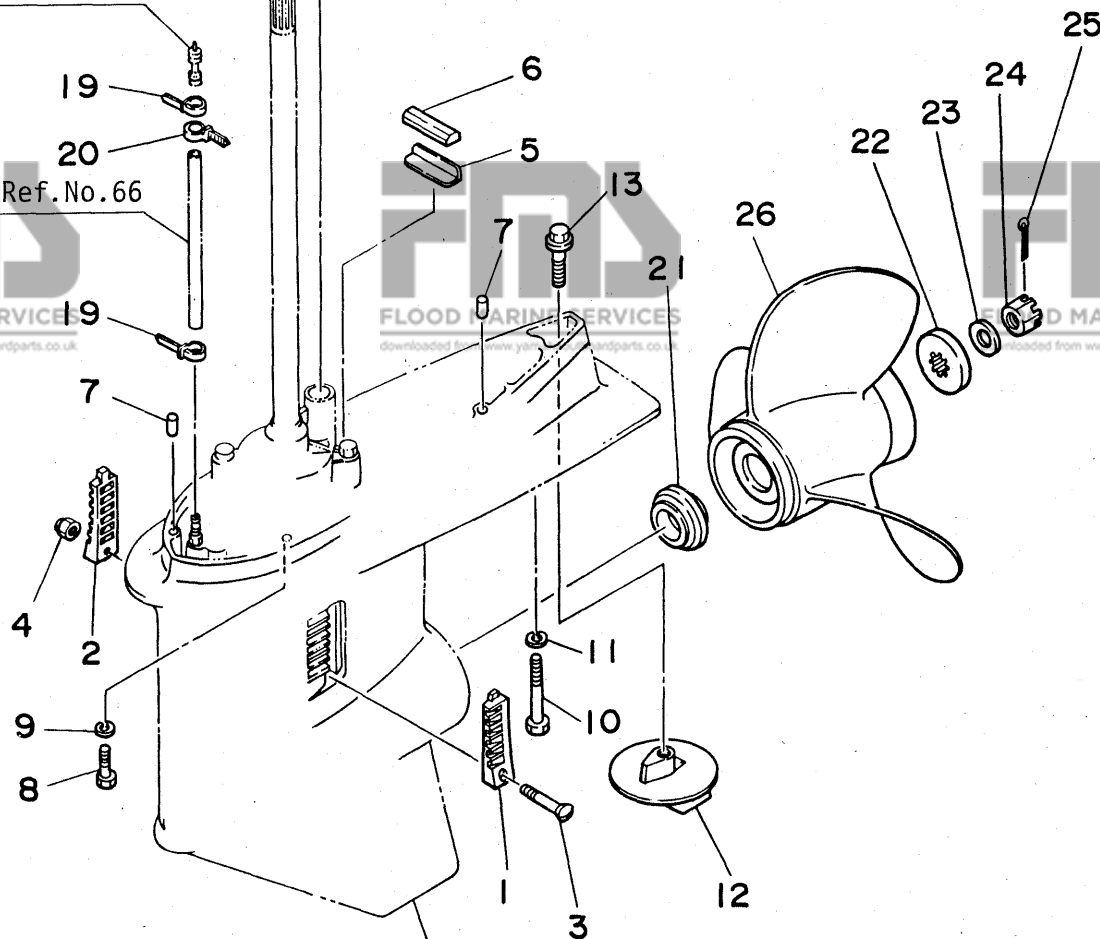
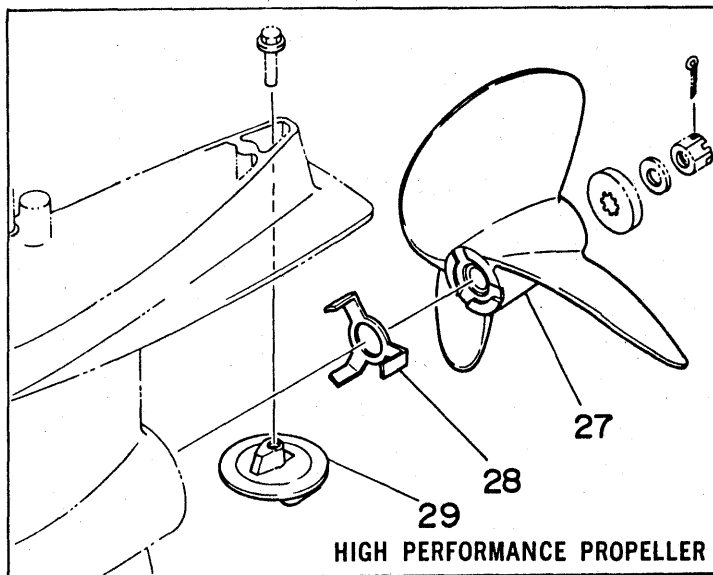


Fig.12, Ref.No.1
LOWER UNIT ASS'Y



Fig. 13 LOWER & DRIVE 2

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G5-45214-00	COVER, water inlet 1	1	24	90171-18M04	NUT, castle	1
2	6G5-45215-00	COVER, water inlet 2	1	25	91490-40030	PIN, cotter	1
3	90142-05M03	SCREW	1	26	6G5-45941-00-36	PROPELLER ASS'Y (3x15 $\frac{1}{4}$ "x15"-M)	1 U.R.
4	90185-05002	NUT, self-locking	1		6G5-45943-00-36	PROPELLER ASS'Y (3x13 $\frac{3}{4}$ "x21"-M)	1 U.R.
◆ 5	663-45376-00-94	GUIDE, rubber seal	1		6G5-45945-00-36	PROPELLER ASS'Y (3x14"x19"-M)	1 U.R.
◆ 6	688-45375-00	SEAL, rubber 2	1		6G5-45947-00-36	PROPELLER ASS'Y (3x14 $\frac{1}{2}$ "x17"-M)	1 U.R.
7	93608-12M05	PIN, dowel B	2		6G5-45949-00-36	PROPELLER ASS'Y (3x13 $\frac{3}{4}$ "x23"-M)	1 U.R.
8	97375-10045	BOLT	6		STAINLESS STEEL PROPELLER		
9	92990-10100	WASHER	6		6G5-45970-00-98	PROPELLER ASS'Y (3x15 $\frac{1}{4}$ "x15"-M)	1 U.R.
10	97375-10070	BOLT	1		6G5-45972-00-98	PROPELLER ASS'Y (3x13 $\frac{3}{4}$ "x21"-M)	1 U.R.
11	92990-10100	WASHER	1		6G5-45974-00-98	PROPELLER ASS'Y (3x14"x19"-M)	1 U.R.
12	6E5-45371-01	TAB-TRIM	1		6G5-45976-00-98	PROPELLER ASS'Y (3x13 $\frac{3}{4}$ "x23"-M)	1 U.R.
13	90105-10M00	BOLT	1		6G5-45978-00-98	PROPELLER ASS'Y (3x14 $\frac{1}{2}$ "x17"-M)	1 U.R.
◆ 14	6E5-44365-00	RUBBER, water seal 1	1		6G5-45930-00-98	PROPELLER ASS'Y (3x13 $\frac{3}{4}$ "x25"-M)	1 U.R.
◆ 15	6E5-44312-00	COVER, water pump housing	1		6G5-45932-00-98	PROPELLER ASS'Y (3x15 $\frac{1}{4}$ "x13"-M)	1 U.R.
					HIGH PERFORMANCE PROPELLER		
16	6E5-44366-00	RUBBER, water seal 2	1	27	6E5-45970-10	PROPELLER ASS'Y (3x14"x20"-P)	1 U.R.
17	6E5-44361-00	TUBE, water (Long)	1 U.R.		6E5-45972-10	PROPELLER ASS'Y (3x14"x24"-P)	1 U.R.
※	6E5-44361-20	TUBE, water (Ultra Long)	1 U.R.		6E5-45974-10	PROPELLER ASS'Y (3x14"x28"-P)	1 U.R.
18	6E5-44365-00	RUBBER, water seal 1	1		6E5-45976-10	PROPELLER ASS'Y (3x14"x22"-P)	1 U.R.
19	90465-11M10	CLAMP	2		6E5-45978-10	PROPELLER ASS'Y (3x14"x26"-P)	1 U.R.
20	90465-13M11	CLAMP	1	28	6E5-45994-10	PLATE, tooth	1
21	6E5-45987-00	SPACER 1	1				
22	688-45997-00	SPACER 2	1	29	6E5-45371-10	TAB-TRIM	1
23	92990-18200	WASHER	1				

※Not shown

◆Contents of lower unit ass'y (Parts No, 6G5-45300-10-EJ, 6G5-45300-20-EJ)

Fig. 14 C·D·I· MAGNETO

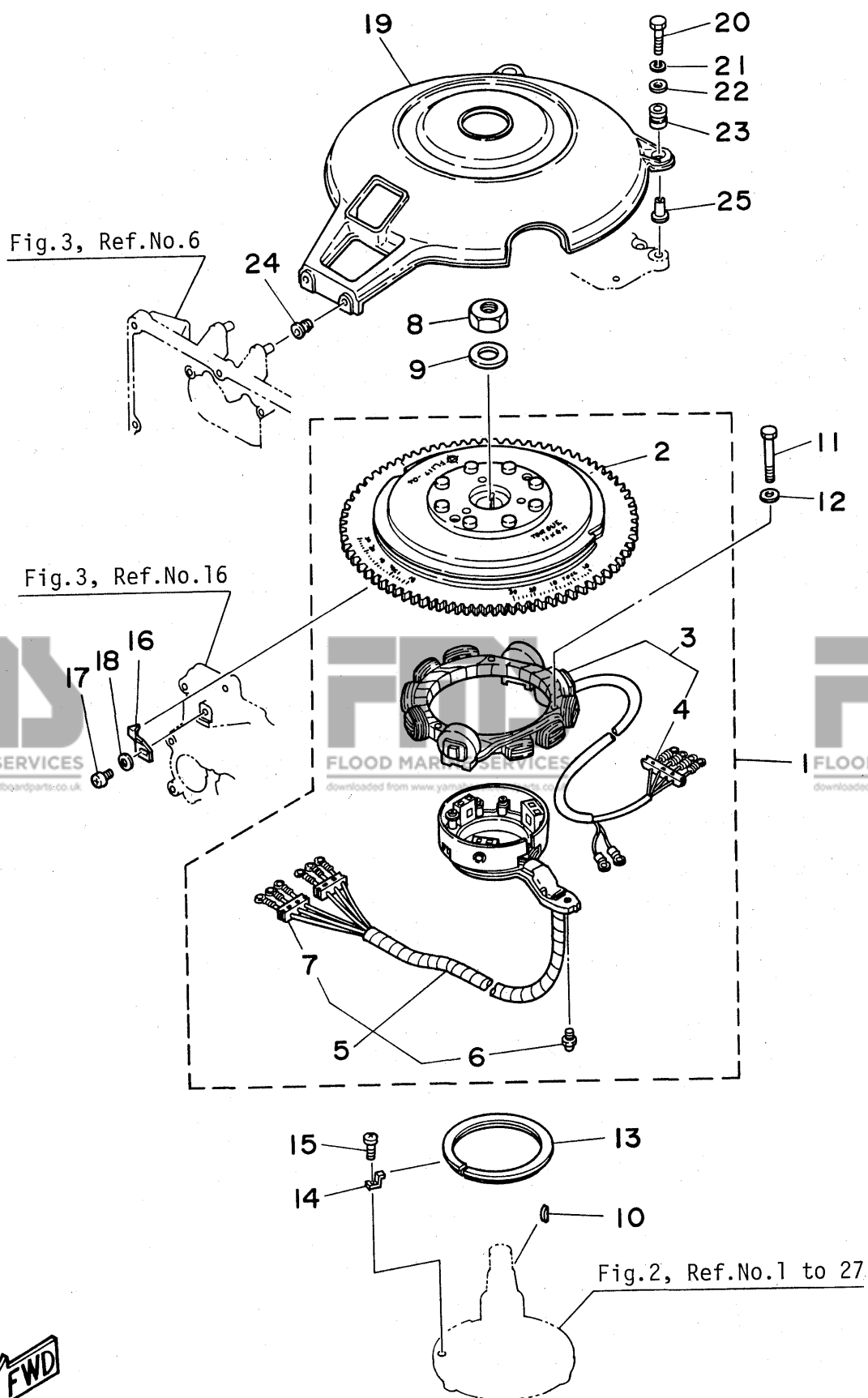


Fig. 14 C.D.I. MAGNETO

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G5-85500-10	C.D.I. MAGNETO ASS'Y	1	14	688-41612-00	RETAINER, magneto base 2	4
2	6G5-85550-10	. ROTOR ASS'Y	1	15	97801-06018	SCREW, panhead	4
3	6G5-85510-10	. STATOR ASS'Y	1	16	6E5-81332-00	PLATE, timing	1
4	90480-06M16	. . GROMMET	1	17	97803-06010	SCREW, panhead	1
5	6G5-85580-10	. PULSER ASS'Y	1	18	92903-06600	WASHER	1
6	663-85518-00	. . JOINT, ball	1	19	6E5-81337-00	COVER, flywheel	1
7	90480-06M16	. . GROMMET	1	20	97313-06030	BOLT	2
8	90170-20137	NUT	1	21	92903-06100	WASHER	2
9	90201-21M18	WASHER	1	22	90201-06M62	WASHER	2
10	90280-05015	KEY, woodruff	1	23	663-82317-00	DAMPER	2
11	97313-06055	BOLT	3	24	665-82317-00	DAMPER	2
12	92903-06600	WASHER	3	25	624-42542-00	PIPE 1	2
13	688-41611-00	RETAINER, magneto base 1	1				

Fig. 15 ELECTRIC MOTOR

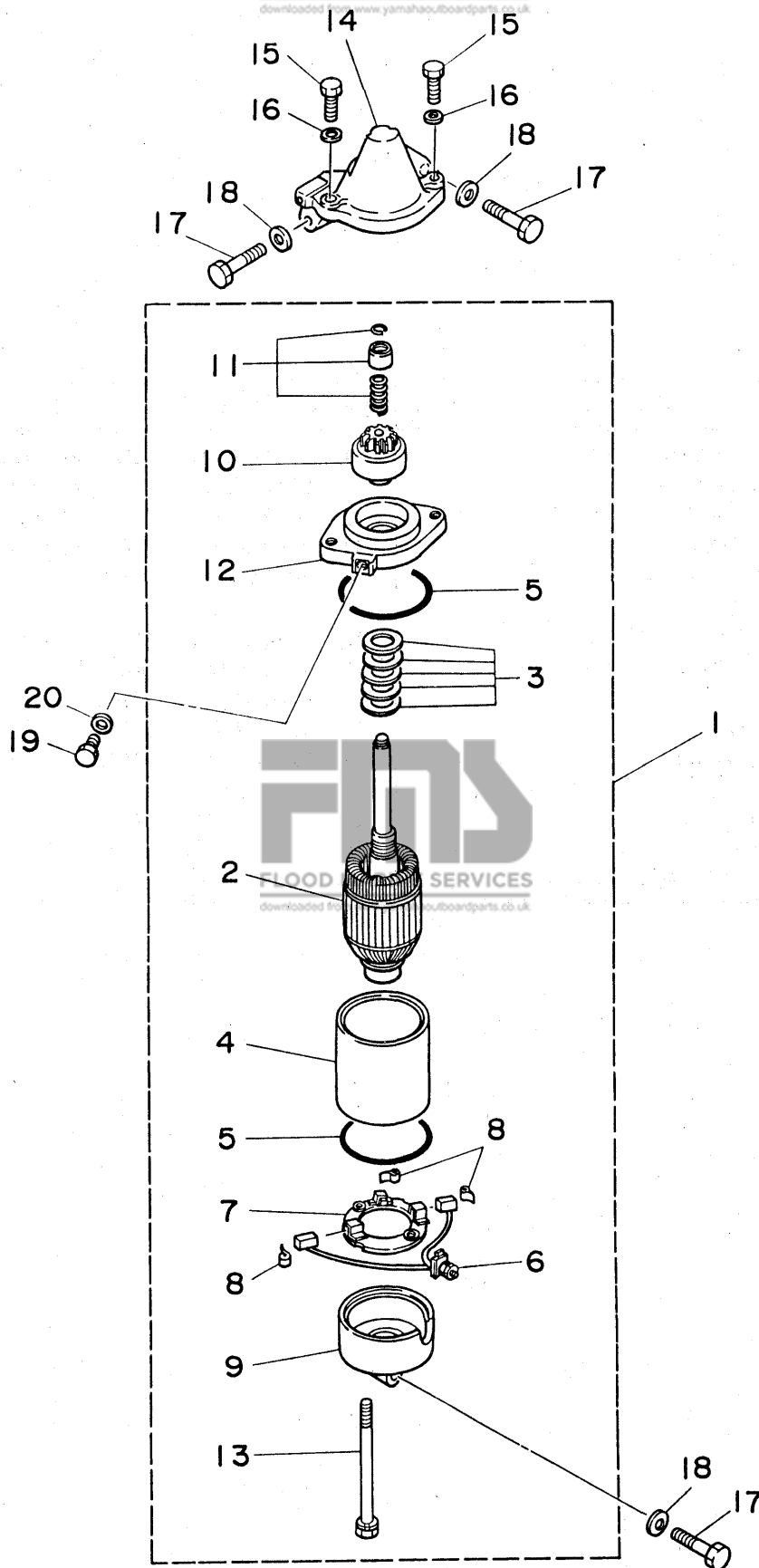


Fig. 15 ELECTRIC MOTOR

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-81800-11	ELECTRIC MOTOR ASS'Y	1	11	6E5-81857-10	. PINION STOPPER SET	1
2	6E5-81850-10	. ARMATURE ASS'Y	1	12	6E5-81830-10	. FRONT BRACKET ASS'Y	1
3	6E5-81809-10	. WASHER KIT	1	13	6E5-81826-10	. BOLT 1	2
4	6E5-81810-10	. STATOR ASS'Y	2	14	6E5-81822-01-98	BRACKET, electric motor	1
5	6E5-81948-10	. O-RING	2	15	97313-08025	BOLT	2
6	6E5-81801-10	. BRUSH ASS'Y (+)	1	16	92903-08600	WASHER	2
7	6E5-81840-10	. BRUSH HOLDER ASS'Y (-)	1	17	97313-08045	BOLT	3
8	6E5-81813-10	. SPRING, brush	3	18	92903-08600	WASHER	3
9	6E5-81820-10	. REAR BRACKET ASS'Y	1	19	97395-08016	BOLT	1
10	6E5-81807-11	. PINION ASS'Y (9T)	1	20	92990-08600	WASHER	1

Fig. 16 ELECTRIC PARTS I

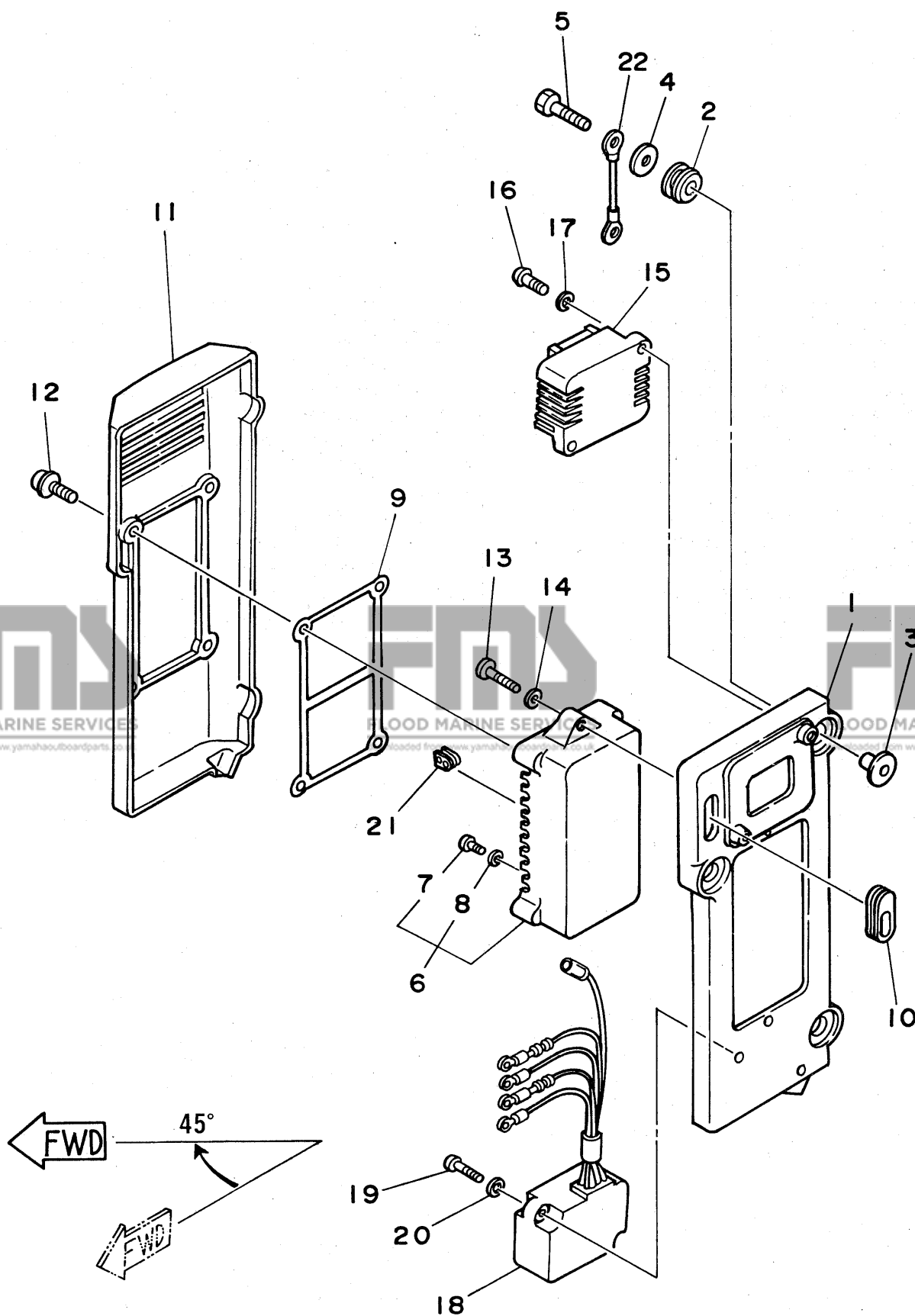


Fig. 16 ELECTRIC PARTS 1

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G5-85542-00-94	BRACKET	1	12	90159-06M03	SCREW	4
2	90480-09M12	GROMMET	3	13	97803-06030	SCREW	2
3	90387-06M03	COLLAR	3	14	92903-06600	WASHER	2
4	90201-06416	WASHER	3	15	688-81960-60	RECTIFIER & REGULATOR ASS'Y	1
5	90119-06M28	BOLT, with washer	3	16	97803-06020	SCREW	2
6	6G5-85540-10	C.D.I. UNIT ASS'Y	1	17	92903-06600	WASHER	2
7	98503-04008	. SCREW, panhead	20	18	6G5-85590-10	CONTROL UNIT ASS'Y	1
8	92990-04200	. WASHER	20	19	97803-06030	SCREW	2
9	6G5-85547-00	DAMPER	1	20	92903-06600	WASHER	2
10	90480-12M32	GROMMET	1	21	90480-06066	GROMMET	2
11	6G5-85537-00	COVER	1	22	6G5-83354-00	WIRE, earth lead	1

Fig. 17 ELECTRIC PARTS 2

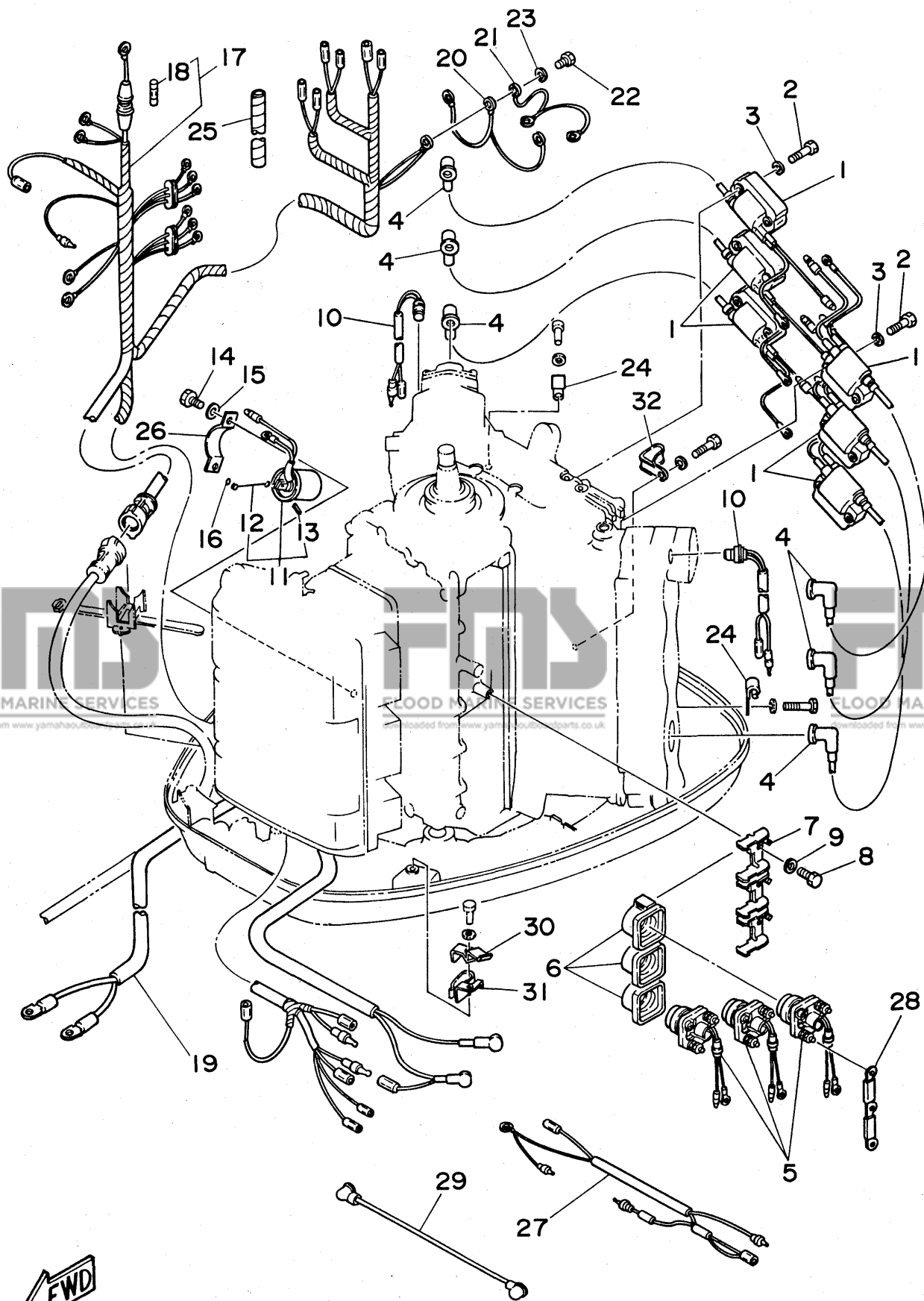


Fig. 17 ELECTRIC PARTS 2

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-85570-10	IGNITION COIL ASS'Y	6	17	6G5-82590-00	WIRE HARNESS ASS'Y	1
2	97313-06030	BOLT	12	18	663-82151-00	. FUSE (12V-20A)	1
3	92903-06600	WASHER	12	19	6G5-82105-00	LEAD WIRE ASS'Y	1
4	663-82370-01	PLUG CAP ASS'Y	6	20	6E5-82519-00	WIRE, earth lead	1
5	6E5-81941-10	STARTER RELAY ASS'Y	3	21	6E5-82531-00	WIRE, lead	1
6	689-81952-10	HOLDER, starter relay	3	22	97395-06012	BOLT	3
7	6G5-81948-00	BRACKET	1	23	92990-06600	WASHER	3
8	97313-06016	BOLT	2	24	90465-08M07	CLAMP	5
9	92903-06600	WASHER	2	25	90446-10M01	TUBE	4
10	688-82560-10	THERMO-SWITCH ASS'Y	2	26	6G5-86115-00	HOLDER, solenoid	1
11	6G5-86110-00	SOLENOID COIL ASS'Y	1	27	6G5-82553-00	EXTENSION, wire lead	1
12	6G5-86119-00	. WIRE, pull	1	28	6G5-87149-00	CONNECTOR	1
13	91690-30010	. PIN, spring	1	29	6G5-82117-00	WIRE, lead	1
14	97313-06016	BOLT	2	30	90465-13M21	CLAMP	1
15	92903-06600	WASHER	2	31	90465-08M22	CLAMP	1
16	93210-03261	O-RING	1	32	90465-08M08	CLAMP	2

Fig. 18 OIL PUMP

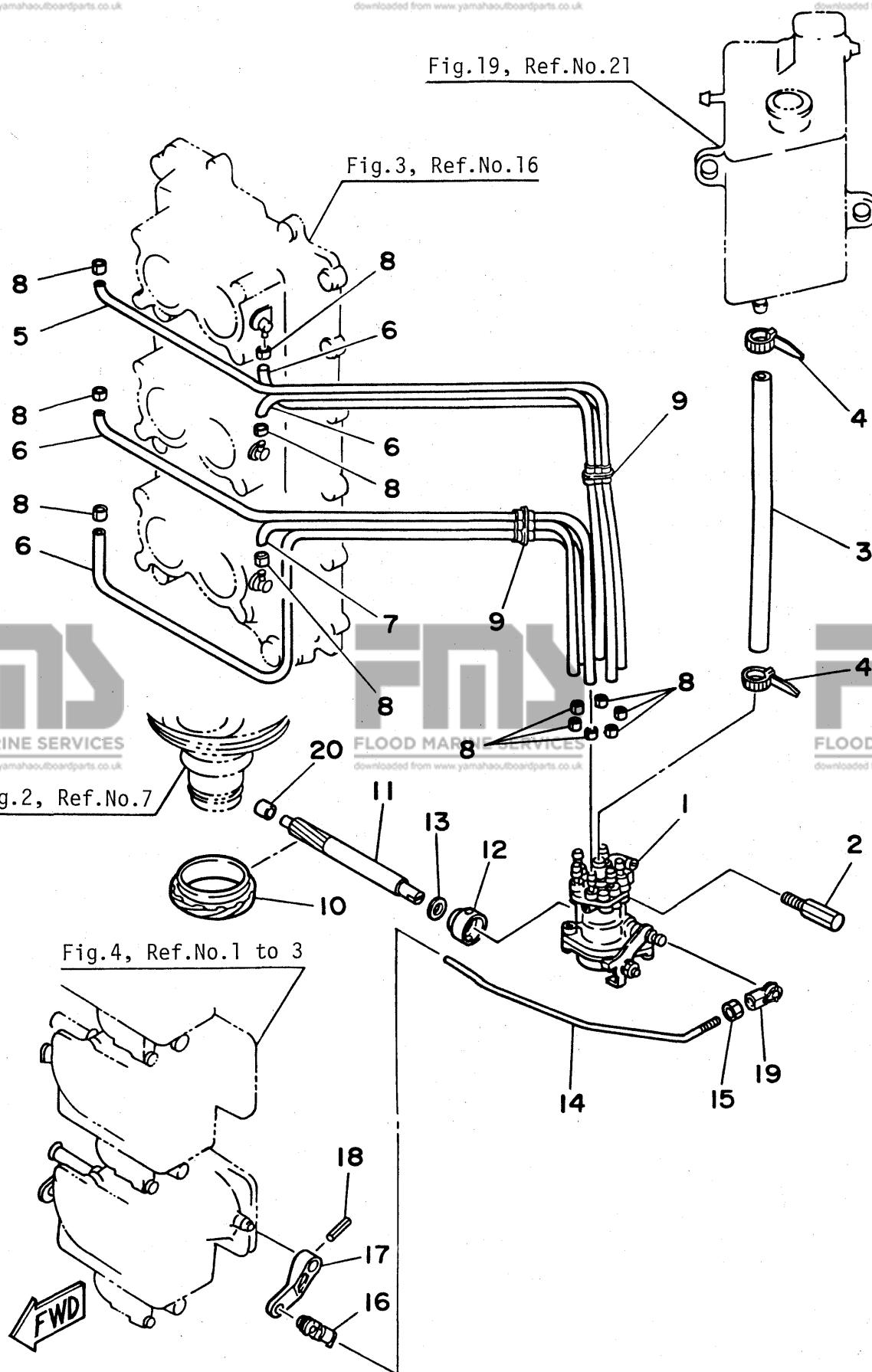


Fig. 18 OIL PUMP

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G5-13200-00	OIL INJECTION PUMP ASS'Y (150A/175A Model)	1 U.R.	10	6E5-11536-00	GEAR, drive	1
※	6G6-13200-00	OIL INJECTION PUMP ASS'Y (200A Model)	1 U.R.	11	6E5-11537-00	GEAR, driven	1
2	90109-06M23	BOLT	2	12	6E5-13117-00	COLLAR, distance	1
3	90445-12M65	HOSE	1	13	90201-08M93	WASHER, plate	1
4	90465-13M11	CLAMP	2	14	6E5-41241-00	ROD 1	1
5	90445-07M70	HOSE	1	15	95303-05600	NUT	1
6	90445-07M71	HOSE	4	16	6E9-41237-00	JOINT, link 2	1
7	90445-07M72	HOSE	1	17	6E5-14276-00	LEVER 1	1
8	90468-07M01	CLIP	12	18	91690-30016	PIN, spring	1
9	90461-07M05	CLAMP	2	19	662-41237-01	JOINT, link 2	1
				20	90380-06M18	BUSHING	1

※ Not shown

Fig. 19 OIL TANK

FLOOD MARINE SERVICES

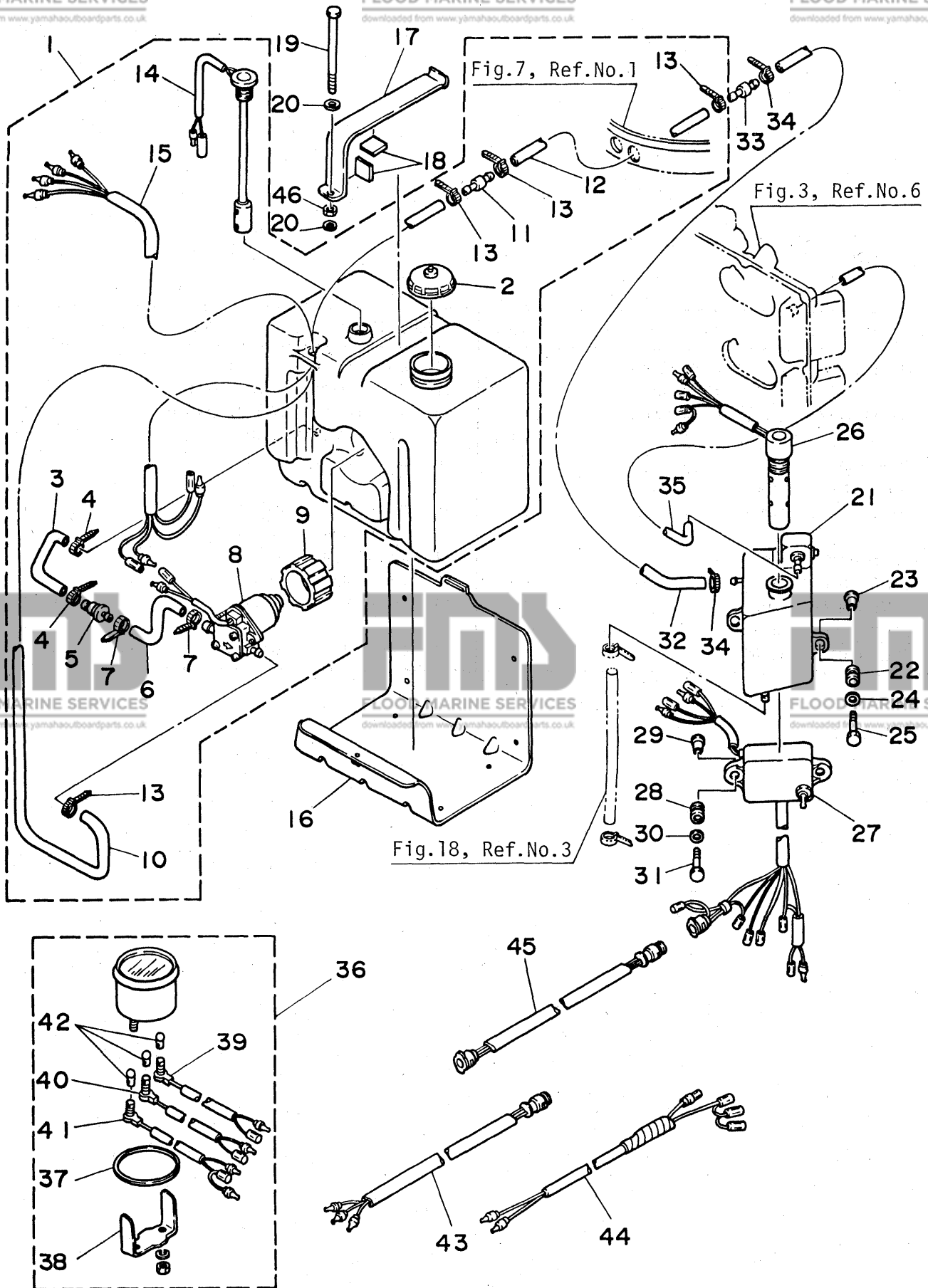
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk



FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

Fig. 19 OIL TANK

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-21708-00	OIL TANK SUB-ASS'Y	1	24	90201-06M62	WASHER	3
2	6E5-21770-00	. OIL TANK CAP ASS'Y	1	25	97313-06030	BOLT	3
3	6E5-24318-00	. PIPE	1	26	6E5-85730-00	OIL LEVEL GAUGE ASS'Y 2	1
4	90465-13M11	. CLAMP	2	27	6E5-85740-00	CONTROL UNIT	1
5	646-24251-01	. STRAINER	1	28	6A0-82317-00	DAMPER	2
6	6E5-24319-00	. PIPE 9	1	29	624-42542-00	PIPE	2
7	90465-13M11	. CLAMP	2	30	90201-06M62	WASHER	2
8	6E5-81900-00	. OIL FEED PUMP ASS'Y	1	31	97313-06030	BOLT	2
9	6E5-81922-00	. GROMMET 1	1	32	6E5-24323-00	PIPE 12	1
10	6E5-24321-00	. PIPE 10	1	33	6E5-24379-00	PIPE, joint	1
11	6E5-24379-00	. PIPE, joint	1	34	90465-13M11	CLAMP	2
12	90445-11M88	. HOSE	1	35	90445-05M61	HOSE	1
13	90465-13M11	. CLAMP	4	36	6E5-84301-00	OIL LEVEL WARNING LAMP	1
14	6E5-85720-00	. OIL LEVEL GAUGE ASS'Y 1	1	37	688-83523-00	. DAMPER	1
15	6E5-85721-00	. WIRE, lead	1	38	688-83514-00	. PLATE, fitting	1
16	6E5-21734-00-33	HOLDER, sub oil tank	1	39	6E5-83536-00	. SOCKET CORD ASS'Y 1	1
17	6E5-21798-00-33	BRACKET, damper	1	40	6E5-83536-10	. SOCKET CORD ASS'Y 2	1
18	6E5-21746-00	DAMPER	3	41	6E5-83536-21	. SOCKET CORD ASS'Y 3	1
19	97313-06100	BOLT	1	42	688-83516-10	. BULB (12V-3.4W)	3
20	92903-06600	WASHER	2	43	6E5-82551-00	WIRE, lead	1
21	6E5-21750-00	OIL TANK ASS'Y	1	44	6E5-84348-00	WIRE, lead	1
22	6A0-82317-00	DAMPER	3	45	6E5-83553-00	WIRE, lead	1
23	624-42542-00	PIPE	3	46	95390-06600	NUT	1

Fig. 20 POWER TRIM & TILT ASS'Y

FLOOD MARINE SERVICES

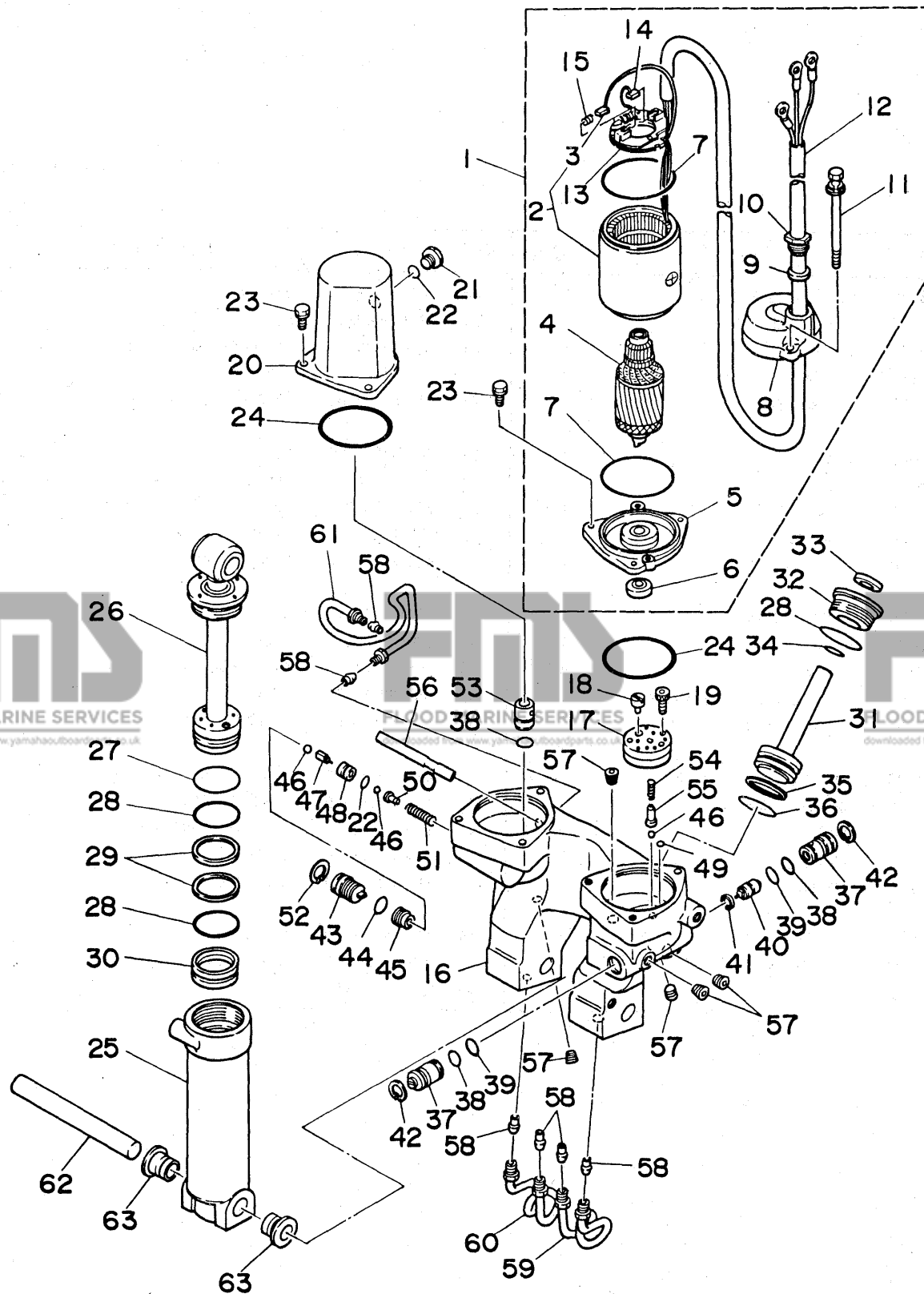
downloaded from www.yamahaaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaaoutboardparts.co.uk



150A/175A/200A

92

FLOOD MARINE SERVICES

downloaded from www.yamahaaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaaoutboardparts.co.uk

Fig. 20 POWER TRIM & TILT ASS'Y

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
※	6E5-43800-01-EJ	POWER TRIM & TILT ASS'Y (See Fig. 9, Ref. No. 1)	1	32	6E5-43821-00	. SCREW, trim cylinder end	2
1	688-43880-10	. MOTOR ASS'Y	1	33	6E5-43822-00	. SEAL, trim dust	2
2	688-43804-01	. . STATOR ASS'Y	1	34	93210-16M40	. O-RING	2
3	688-43891-00	. . . BRUSH 1	1	35	6E5-43874-00	. RING, back up	2
4	688-43805-01	. . ARMATURE ASS'Y	1	36	93210-33M41	. O-RING	2
5	688-43881-01	. . FRAME, end	1	37	688-43802-00	. VALVE SUB ASS'Y (Main)	2
6	688-43882-00	. . OIL SEAL	1	38	688-43864-00	. O-RING	3
7	688-43883-00	. . O-RING	2	39	688-43865-00	. O-RING	2
8	688-43884-02	. . FRAME, commutator end	1	40	688-43841-00	. PISTON, shuttle	1
9	688-43885-01	. . GROMMET	1	41	688-43873-00	. RING, back up	1
10	688-43886-02	. . BOLT	1	42	688-43876-00	. RING, snap	2
11	688-43887-01	. . BOLT, through	2	43	688-43845-00	. SCREW, manual release	1
12	688-43807-10	. . WIRE SUB ASS'Y	1	44	688-43866-00	. O-RING	1
13	688-43806-01	. . BRUSH HOLDER ASS'Y	1	45	688-43846-00	. SCREW, manual valve seat	1
14	688-43891-00	. . BRUSH 2	1	46	688-43858-00	. BALL	3
15	90501-05M46	. . SPRING, brush	1	47	688-43848-00	. ROD, manual release	1
16	6E5-43825-00	. HOUSING, trim & tilt	1	48	688-43847-00	. SEAT, manual valve	1
17	688-43830-00	. GEAR PUMP ASS'Y	1	49	688-43868-00	. O-RING	1
18	688-43831-00	. CONNECTOR, shaft	1	50	6E5-43849-00	. PIN, valve support	1
19	688-43878-00	. BOLT, socket	3	51	6E5-43854-00	. SPRING, manual release	1
20	688-43828-00	. BODY, reservoir	1	52	688-43875-00	. RING, snap	1
21	688-43829-01	. PLUG, reservoir	1	53	6E5-43850-00	. VALVE SUB ASS'Y (Upper Relief)	1
22	688-43869-00	. O-RING	2	54	688-43856-00	. SPRING, down relief	1
23	688-43879-00	. SCREW, with washer	6	55	688-43844-01	. PIN, valve support	1
24	688-43867-00	. O-RING	2	56	688-43838-00	. PIPE, intake	1
25	6E5-43813-00	. CYLINDER, tilt	1	57	688-43826-00	. PLUG, taper screw	5
26	6E5-43810-01	. PISTON SUB ASS'Y (Tilt)	1	58	688-43832-00	. SEAT, union	6
27	688-43863-00	. O-RING	1	59	6E5-43833-00	. PIPE	1
28	688-43862-00	. O-RING	4	60	6E5-43834-00	. PIPE	1
29	688-43872-00	. RING, back up	2	61	688-43835-00	. PIPE	1
30	6E5-43814-00	. PISTON, free	1	62	6E5-43818-00	. PIN, lower shock mount	1
31	6E5-43820-01	. PISTON SUB ASS'Y (Trim)	2	63	90386-18M14	. BUSHING	2

※Not shown

Fig. 21 REPAIR KIT

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G5-W0001-01	POWER HEAD GASKET KIT	1	32	6E5-14323-00	. SCREW, air adjusting	6
2	6E5-11381-00	. GASKET, cover	1	33	617-24565-00	. O-RING	6
3	6G5-11181-01	. GASKET, cylinder head	2	34	6G5-W0001-20	LOWER UNIT GASKET KIT	1
4	6G5-11193-01	. GASKET, head cover	2	35	6G5-41134-00	. GASKET, exhaust manifold 2	1
5	688-12414-00	. GASKET, thermostat cover	2	36	6G5-45114-00	. GASKET, upper casing 2	1
6	6G5-41112-00	. GASKET, exhaust cover	2	37	6E5-41135-00	. GASKET, exhaust manifold 3	1
7	6G5-11382-00	. GASKET, by-pass	1	38	90430-08020	. GASKET	2
8	93102-40H14	. OIL SEAL	1	39	6E5-45123-00	. GASKET, muffler	1
9	93211-04M36	. O-RING	2	40	6E5-44365-00	. RUBBER, water seal 1	1
10	93102-35M13	. OIL SEAL	1	41	6E5-44366-00	. RUBBER, water seal 2	1
11	93101-22M15	. OIL SEAL	1	42	93210-58144	. O-RING	1
12	93210-74M35	. O-RING	1	43	93106-09014	. OIL SEAL	1
13	6G5-14416-00	. GASKET, air cleaner	1	44	93210-86M38	. O-RING	1
14	6G5-14483-00	. GASKET, plate	1	45	93210-37160	. O-RING	1
15	6E5-14198-00	. GASKET	3	46	6E5-44315-00	. GASKET, water pump	1
16	6E5-13645-00	. GASKET, intake manifold	1	47	93101-28M16	. OIL SEAL	2
17	6E5-13621-00	. PACKING, valve seat	6	48	93210-55M14	. O-RING	1
18	6G5-45113-00	. GASKET, upper casing	1	49	93210-97M55	. O-RING	1
19	6G5-W0093-00	CARBURETOR REPAIR SET	1	50	93101-30M17	. OIL SEAL	2
20	6G5-14483-00	. GASKET, plate	1	51	6G5-W0078-00	WATER PUMP REPAIR KIT	1
21	6E5-14198-00	. GASKET	1	52	6E5-44322-00	. INSERT, cartridge	1
22	6E5-14390-20	. VALVE SEAT ASS'Y	3	53	93210-86M38	. O-RING	1
23	367-14195-00	. GASKET	3	54	93210-37160	. O-RING	1
24	6E5-14386-01	. PIN, float	3	55	6E5-44352-00	. IMPELLER	1
25	6E5-14385-00	. FLOAT ASS'Y	3	56	6G5-44323-00	. OUTER PLATE, cartridge	1
26	6E5-14384-02	. GASKET, float chamber	3	57	6E5-44315-00	. GASKET, water pump	1
27	1J2-14398-00	. GASKET	6	58	93606-12019	. PIN, dowel B	1
28	6E5-14398-00	. GASKET	3	59	97395-08045	. BOLT	4
29	682-41291-00	. BUSHING	1	60	90209-08M02	. WASHER	4
30	97803-05017	. SCREW, panhead	3	61	90280-04M05	. KEY, woodruff	1
31	98902-04010	. SCREW	3				

220A(6G7)

220A

CONTENTS

Fig. 1	CRANKCASE & CYLINDER	98
Fig. 2	CRANK & PISTON	100
Fig. 3	INTAKE	102
Fig. 4	CARBURETOR	104
Fig. 5	FUEL	106
Fig. 6	TOP COWLING	108
Fig. 7	BOTTOM COWLING	110
Fig. 8	BRACKET	112
Fig. 9	POWER TRIM & TILT	114
Fig. 10	CONTROL	116
Fig. 11	UPPER CASING	118
Fig. 12	LOWER & DRIVE 1	120
Fig. 13	LOWER & DRIVE 2	122
Fig. 14	C.D.I. MAGNETO	124
Fig. 15	ELECTRIC MOTOR	126
Fig. 16	ELECTRIC PARTS 1	128
Fig. 17	ELECTRIC PARTS 2	130
Fig. 18	ELECTRIC PARTS 3	132
Fig. 19	OIL PUMP	134
Fig. 20	OIL TANK	136
Fig. 21	POWER TRIM & TILT ASS'Y	138
Fig. 22	REPAIR KIT	140

Fig. 1 CRANKCASE & CYLINDER

Fig.7, Ref.No.1

FLOOD MARINE SERVICES

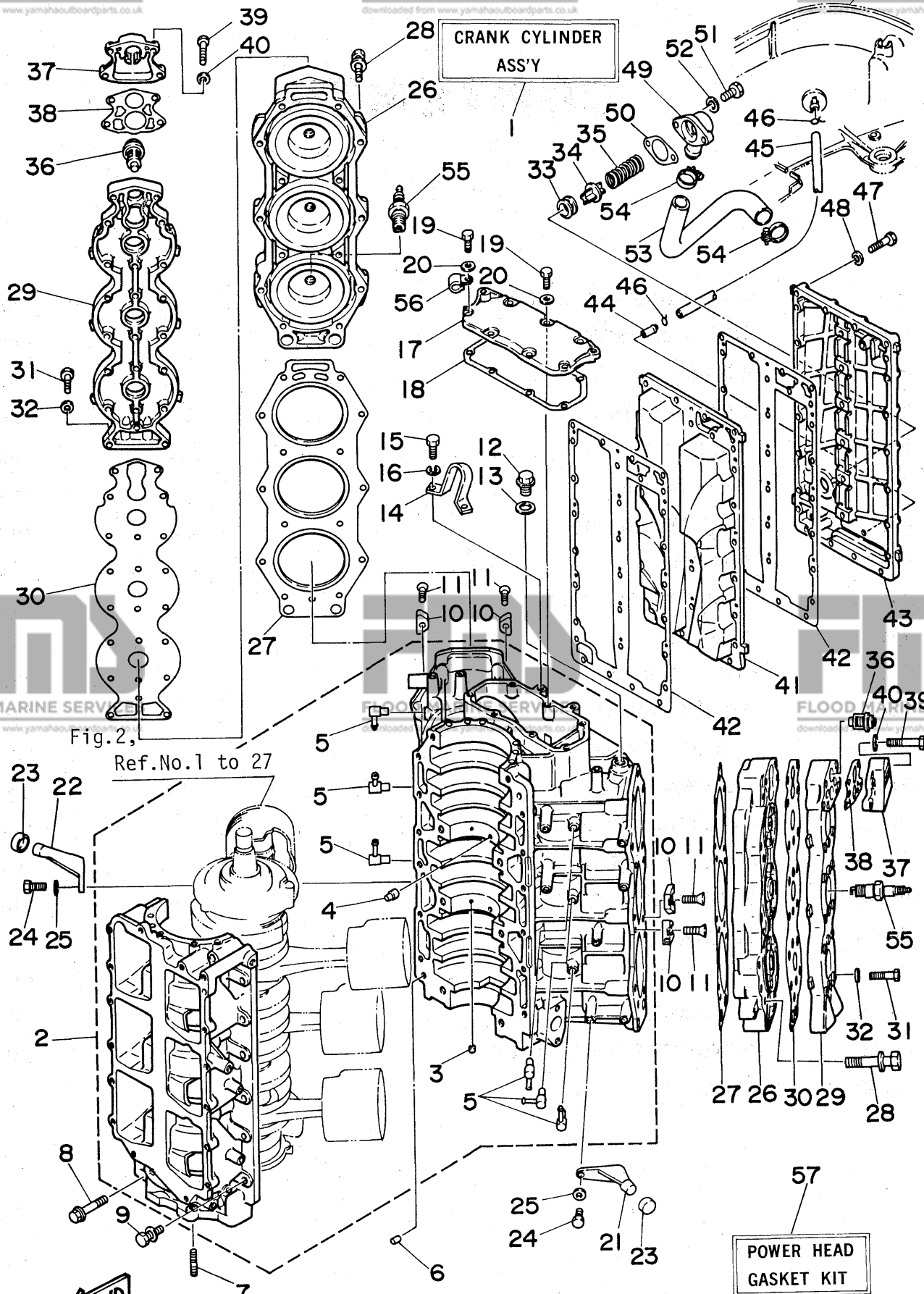
downloaded from www.yamahaaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaaoutboardparts.co.uk



FLOOD MARINE SERVICES

downloaded from www.yamahaaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaaoutboardparts.co.uk

220A

98

Fig. 1 CRANKCASE & CYLINDER

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G7-W0090-01-EK	CRANK CYLINDER ASS'Y (Ref. No. 2 to 56 and Fig. 2, Ref. No. 1 to 27)	1	29	6G5-11191-00-9M	COVER, cylinder head	2
2	6G7-15100-00-94	CRANKCASE ASS'Y	1	30	6G5-11193-01	GASKET, head cover	2
3	624-11379-00	. VALVE, check	2	31	97313-06030	BOLT	36
4	663-11518-01	. LOCK, bearing	2	32	92903-06600	WASHER	36
5	646-11370-00	. CHECK VALVE ASS'Y	6	33	90480-20M05	GROMMET	1
6	93608-12063	PIN, dowel B	2	34	6G5-12416-00	VALVE, pressure control	1
7	90116-08M14	BOLT, stud	2	35	90501-16M11	SPRING, compression	1
8	90105-10M20	BOLT	8	36	6E5-12411-00	THERMOSTAT	2
9	90119-08M23	BOLT, with washer	12	37	6G5-12413-00-9M	COVER, thermostat	2
10	6E5-11325-00	ANODE	8	38	688-12414-00	GASKET, thermostat cover	2
11	98680-04016	SCREW, ovalhead	8	39	97313-06045	BOLT	8
12	90340-14M00	PLUG, straight screw	1	40	92903-06600	WASHER	8
13	90430-14115	GASKET	1	41	6G5-41111-00-9M	INNER COVER, exhaust	1
14	6E5-11119-00	HANGER, engine	1	42	6G5-41112-00	GASKET, exhaust cover	2
15	97313-08020	BOLT	2	43	6G5-41113-00-9M	OUTER COVER, exhaust	1
16	92903-08100	WASHER	2	44	650-24378-00	PIPE, joint 3	1
17	6E5-11371-00-9M	COVER	1	45	6E5-24312-00	HOSE 2	1
18	6E5-11381-00S	GASKET, cover	1	46	90467-08004	CLIP	2
19	97313-06020	BOLT	7	47	97313-06035	BOLT	29
20	92903-06600	WASHER	7	48	92903-06600	WASHER	29
21	6E5-42761-00-94	STOPPER 1	1	49	6G5-11372-00	COVER, by-pass	1
22	6E5-42762-00-94	STOPPER 2	1	50	6G5-11382-00	GASKET, by-pass	1
23	663-44533-00	DAMPER	2	51	97313-06020	BOLT	2
24	97313-06020	BOLT	4	52	92990-06600	WASHER	2
25	92903-06600	WASHER	4	53	6G5-12576-00	HOSE 1	1
26	6G7-11111-00-94	HEAD, cylinder	2	54	90465-13M18	CLAMP	2
27	6G5-11181-01	GASKET, cylinder head	2	55	94702-00247	PLUG, spark (BR8HS 10) NGK	6
28	90119-08M21	BOLT, with washer	28	56	90465-08M07	CLAMP	1
				■ 57	6G5-W0001-01	POWER HEAD GASKET KIT	1

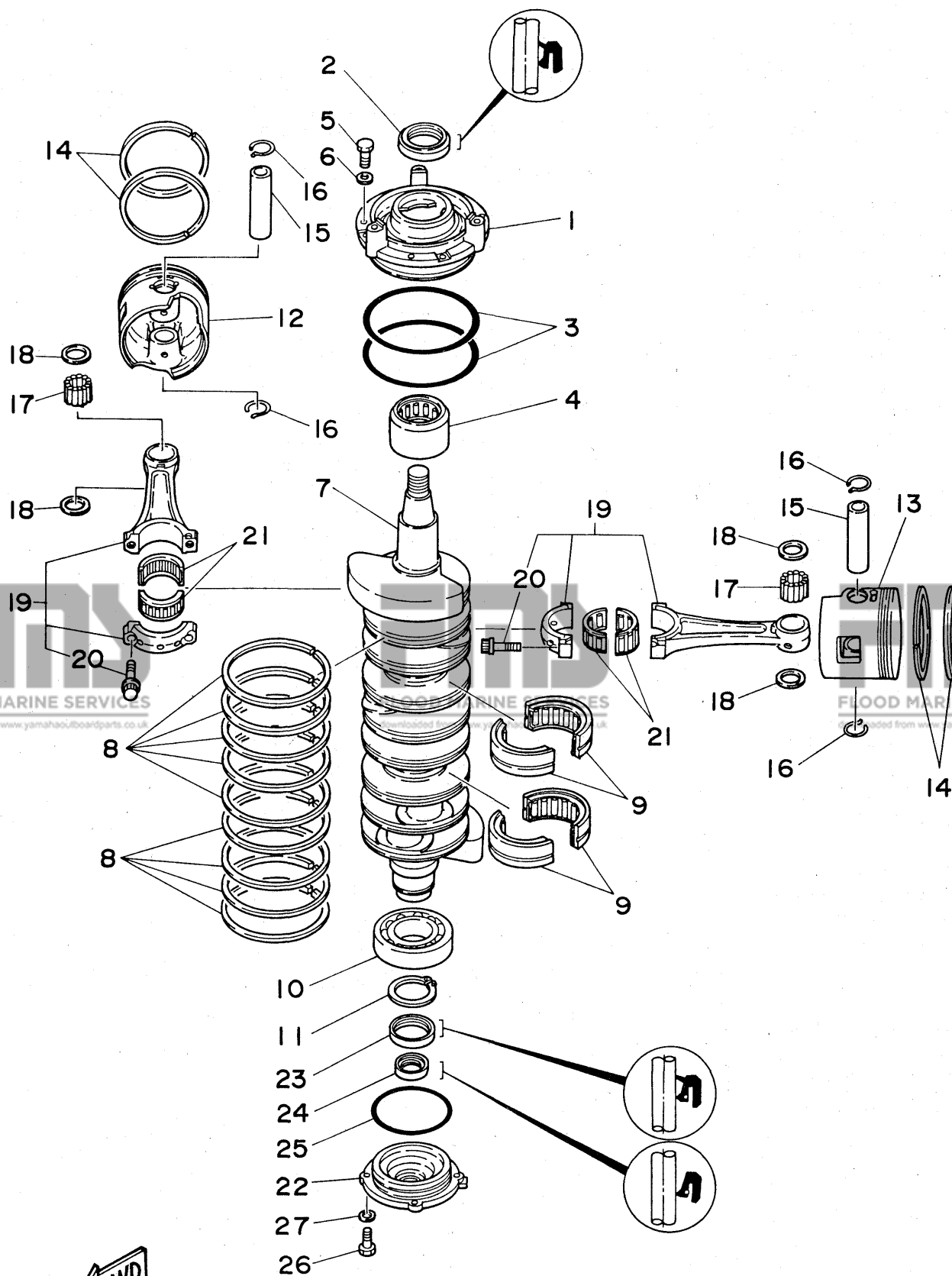
■ See Fig. 22 for detail service parts.

Fig. 2 CRANK & PISTON

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk



220A

100

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

Fig. 2 CRANK & PISTON

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-15163-00-94	HOUSING, bearing 1	1	14	6E5-11610-01	PISTON RING SET (S.T.D.)	6
2	93102-40M14	OIL SEAL	1	※	6E5-11610-11	PISTON RING SET (1st O.S.)	6 A.P.
3	93211-04M36	O-RING	2	※	6E5-11610-21	PISTON RING SET (2nd O.S.)	6 A.P.
4	93311-940U3	BEARING, needle	1	15	6E5-11633-01	PIN, piston	6
5	97313-06020	BOLT	4	16	6E5-11634-00	CLIP, piston pin	12
6	92903-06600	WASHER	4	17	93603-21111	BEARING, con-rod small end	180
7	6G5-11411-00	SHAFT, crank 1	1	18	90201-21M75	WASHER	12
8	6E5-11447-00	SEAL, ring	9	19	6E5-11650-01	CONNECTING ROD ASS'Y	6
9	93310-954V3	BEARING, needle	2	20	90109-08462	. BOLT	12
10	93306-208U0	BEARING (B6208)	1	21	93310-836V2	BEARING, needle	6
11	93410-40M03	CIRCLIP	1	22	6G5-15359-00-94	HOUSING, oil seal	1
12	6G7-11631-00-93	PISTON 1 (S.T.D.)	3	23	93102-35M13	OIL SEAL	1
※	6G7-11635-00	PISTON 1 (1st O.S.)	3 A.P.	24	93101-22M15	OIL SEAL	1
※	6G7-11636-00	PISTON 1 (2nd O.S.)	3 A.P.	25	93210-74M35	O-RING	1
13	6G7-11642-00-93	PISTON 2 (S.T.D.)	3	26	97395-06020	BOLT	4
※	6G7-11645-00	PISTON 2 (1st O.S.)	3 A.P.	27	92990-06600	WASHER	4
※	6G7-11646-00	PISTON 2 (2nd O.S.)	3 A.P.				

*Not shown

Fig. 3 INTAKE

FLOOD MARINE SERVICES

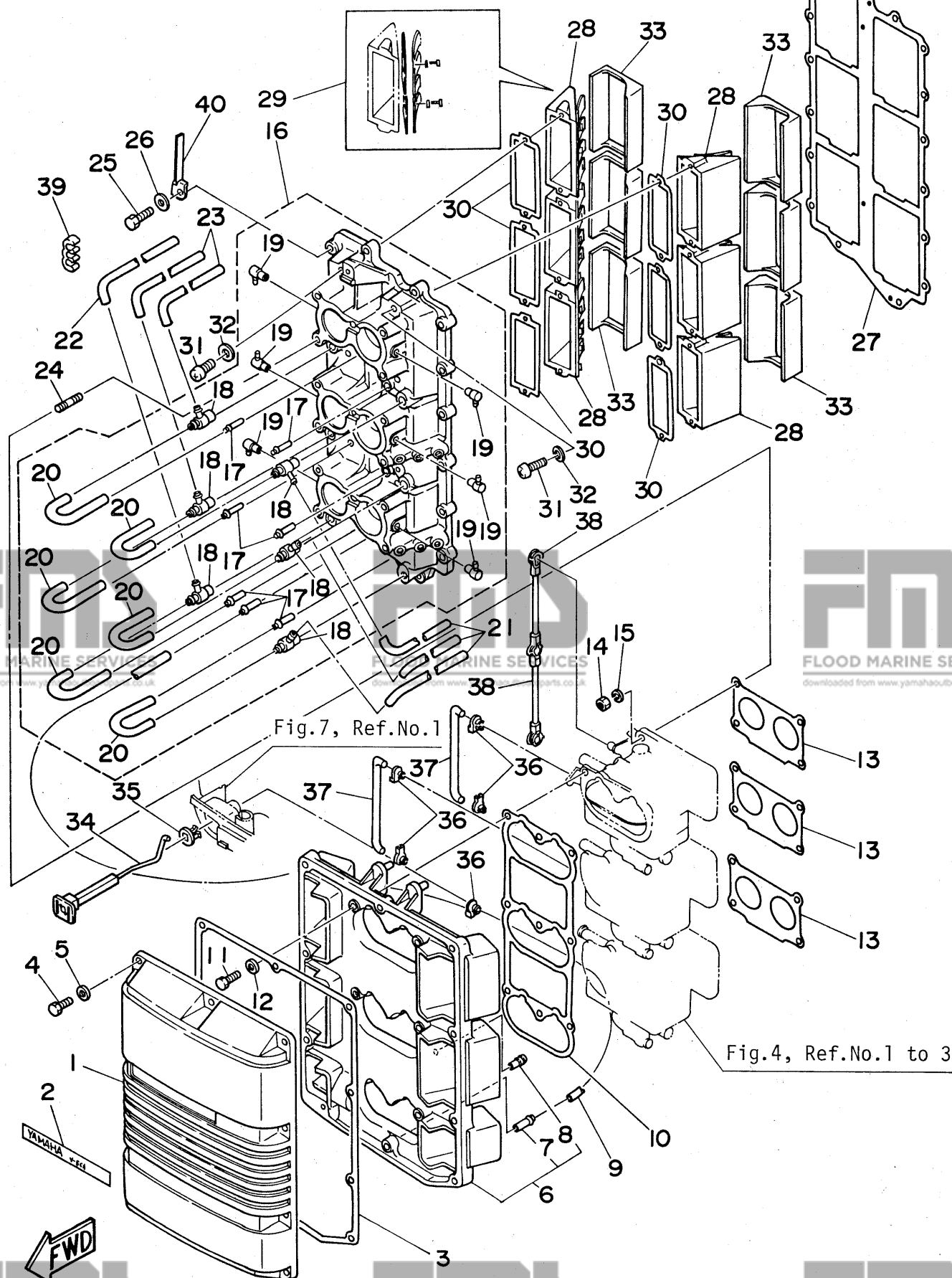
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk



220A

102

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

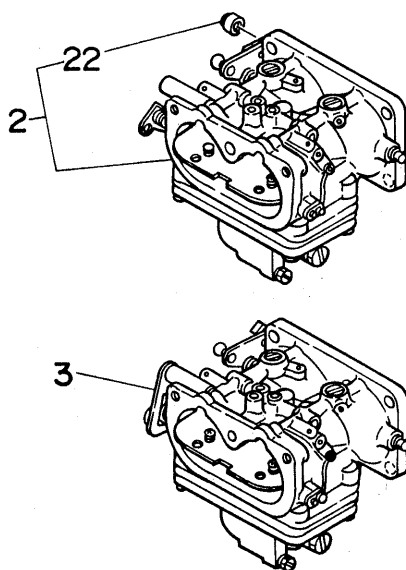
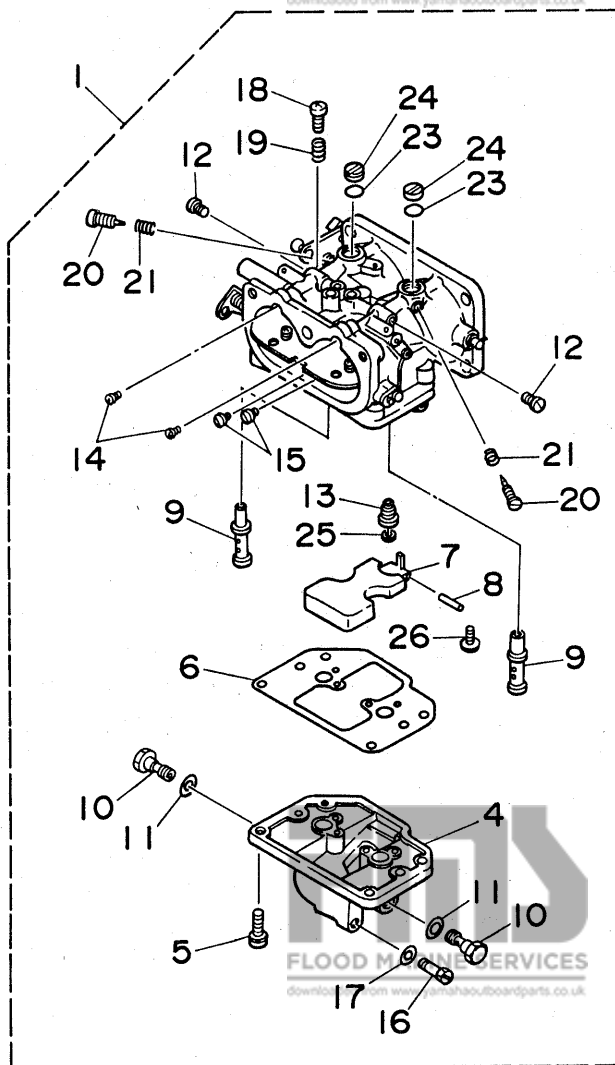
FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

Fig. 3 INTAKE

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G5-14418-00	COVER 2	1	21	90445-07M45	HOSE	3
2	6G5-1441K-00	EMBLEM 1	1	22	90445-07M59	HOSE	1
3	6G5-14416-00	GASKET, air cleaner	1	23	90445-07M46	HOSE	2
4	97313-06020	BOLT	10	24	90116-06M08	BOLT, stud	12
5	92903-06600	WASHER	10	25	97313-06025	BOLT	16
6	6G5-14417-00-98	COVER 1	1	26	92903-06600	WASHER	16
7	624-14485-00	. PIPE, joint	1	27	6G5-13645-00	GASKET, intake manifold	1
8	6E5-14485-00	. PIPE, joint	1	28	6E5-13610-00	REED VALVE ASS'Y	6
9	90445-07M23	HOSE	1	29	6E5-W0004-00	. REED SET	6
10	6G5-14483-00	GASKET, plate	1	30	6E5-13621-00	PACKING, valve seat	6
11	97313-06020	BOLT	6	31	97803-05016	SCREW, panhead	12
12	92903-06600	WASHER	6	32	92903-05600	WASHER	12
13	6E5-14198-00	GASKET	3	33	6G5-13625-00	SPACER, reed valve	6
14	95303-06600	NUT	12	34	6E5-41271-00	KNOB, choke	1
15	92903-06100	WASHER	12	35	689-41273-00	GROMMET	1
16	6G5-13641-10-94	MANIFOLD, intake 1	1	36	661-41262-02	JOINT, choke lever	5
17	624-14485-00	. PIPE, joint	7	37	6E5-41256-00	ROD, choke link	2
18	6E5-11375-00	. CHECK VALVE	6	38	6G5-41217-00	ROD, accel. lever	2
19	6E5-13552-00	. NOZZLE	6	39	90464-07M05	CLAMP	2
20	90445-07M28	. HOSE	1	40	90465-07M20	CLAMP	3

Fig. 4 CARBURETOR



27

**CARBURETOR
REPAIR SET**



Fig. 4 CARBURETOR

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G7-14301-00	CARBURETOR ASS'Y (Upper)	1	15	6E5-14337-95	. JET, air main (1.9ø)	6
2	6G7-14302-00	CARBURETOR ASS'Y (Center)	1	16	6E5-14383-00	. SCREW, drain	3
3	6G7-14303-00	CARBURETOR ASS'Y (Lower)	1	17	6E5-14398-00	. GASKET	3
4	6G4-14381-00	. BODY, float chamber	3	18	650-14321-00	. SCREW, throttle (Upper)	1
5	97803-05017	. SCREW, panhead	12	19	647-14334-00	. SCREW, air adjusting (Upper)	1
6	6E5-14384-02	. GASKET, float chamber	3	20	6G5-14323-00	. SCREW, air adjusting	6
7	6E5-14385-00	. FLOAT ASS'Y	3	21	650-14223-00	. SPRING	6
8	6E5-14386-01	. PIN, float	3	22	682-41291-00	. BUSHING (Center)	1
9	6G7-14341-00	. NOZZLE, main	6	23	617-24565-00	. O-RING	6
10	6E5-14343-83	. JET, main (#165)	6	24	6G5-14328-00	. SCREW, pilot stop	6
11	1J2-14398-00	. GASKET	6	25	367-14195-00	. GASKET	3
12	6G4-14342-50	. JET, pilot (#100)	6	26	98902-04010	. SCREW	3
13	6E5-14390-20	. VALVE SEAT ASS'Y	3	27	6G5-W0093-00	CARBURETOR REPAIR SET	1
14	6E5-14347-30	. JET, air slow	6				

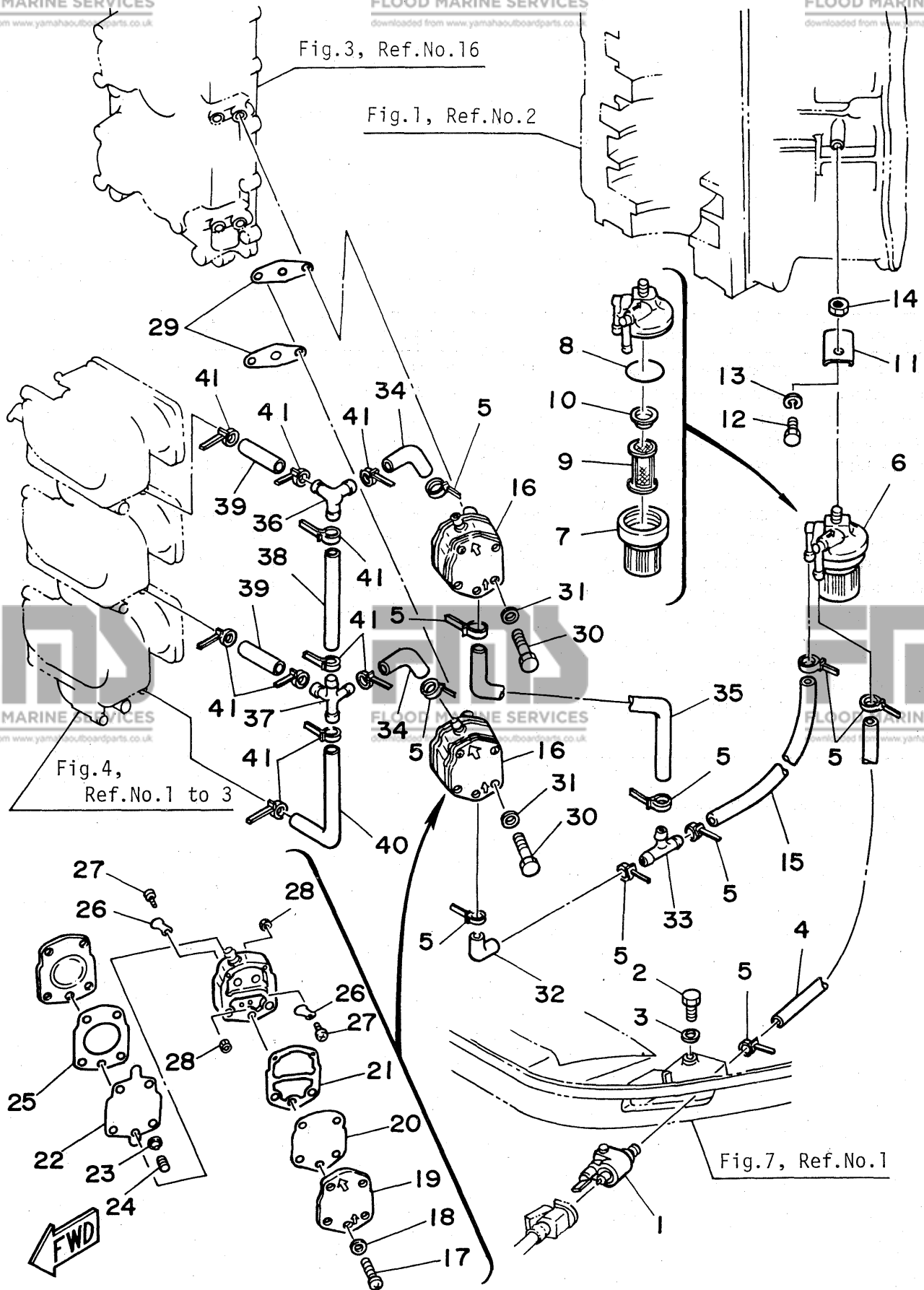
♣See Fig. 22 for detail service parts.

Fig. 5 FUEL

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk



220A
106
FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

Fig. 5 FUEL

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-24304-00-94	FUEL PIPE JOINT COMP. 1	1	22	6E5-24411-00	. DIAPHRAGM	2
2	97313-06020	BOLT	1	23	648-24424-00	. PLATE, spring guide	2
3	92903-06600	WASHER	1	24	6E5-24423-00	. SPRING, diaphragm	2
4	6G5-24313-00	HOSE 3	1	25	6E5-24434-00	. GASKET, body 1	2
5	90465-13M11	CLAMP	10	26	6A0-24421-01	. VALVE, check	8
6	6E5-24560-00	FILTER ASS'Y	1	27	98501-03006	. SCREW, panhead	8
7	655-24521-00	. CUP, filter	1	28	98813-03100	. NUT	8
8	93210-37M25	. O-RING	1	29	650-24431-00	GASKET, fuel pump	2
9	655-24563-00	. ELEMENT, filter	1	30	97313-06050	BOLT	4
10	655-24564-00	. PACKING, filter	1	31	92903-06600	WASHER	4
11	648-24566-01	BRACKET, filter	1	32	6E5-24315-00	HOSE 5	1
12	97313-06014	BOLT	1	33	6E5-24378-00	PIPE, joint 3	1
13	92903-06100	WASHER	1	34	6E5-24316-00	HOSE 6	2
14	95303-08600	NUT	1	35	6G5-24315-00	HOSE 5	1
15	6G5-24314-00	HOSE 4	1	36	6G5-24376-00	PIPE, joint 1	1
16	6E5-24410-00	FUEL PUMP ASS'Y	2	37	6G5-24377-00	PIPE, joint 2	1
17	98503-05035	. SCREW, panhead	6	38	6G5-24317-00	PIPE 7	1
18	92903-05600	. WASHER	6	39	6G5-24318-00	PIPE 8	2
19	6E5-24413-00	. COVER, pump	2	40	6G5-24319-00	PIPE 9	1
20	6E5-24471-00	. DIAPHRAGM	2	41	90465-13M11	CLAMP	10
21	6E5-24435-00	. GASKET, body 2	2				

Fig.6 TOP COWLING

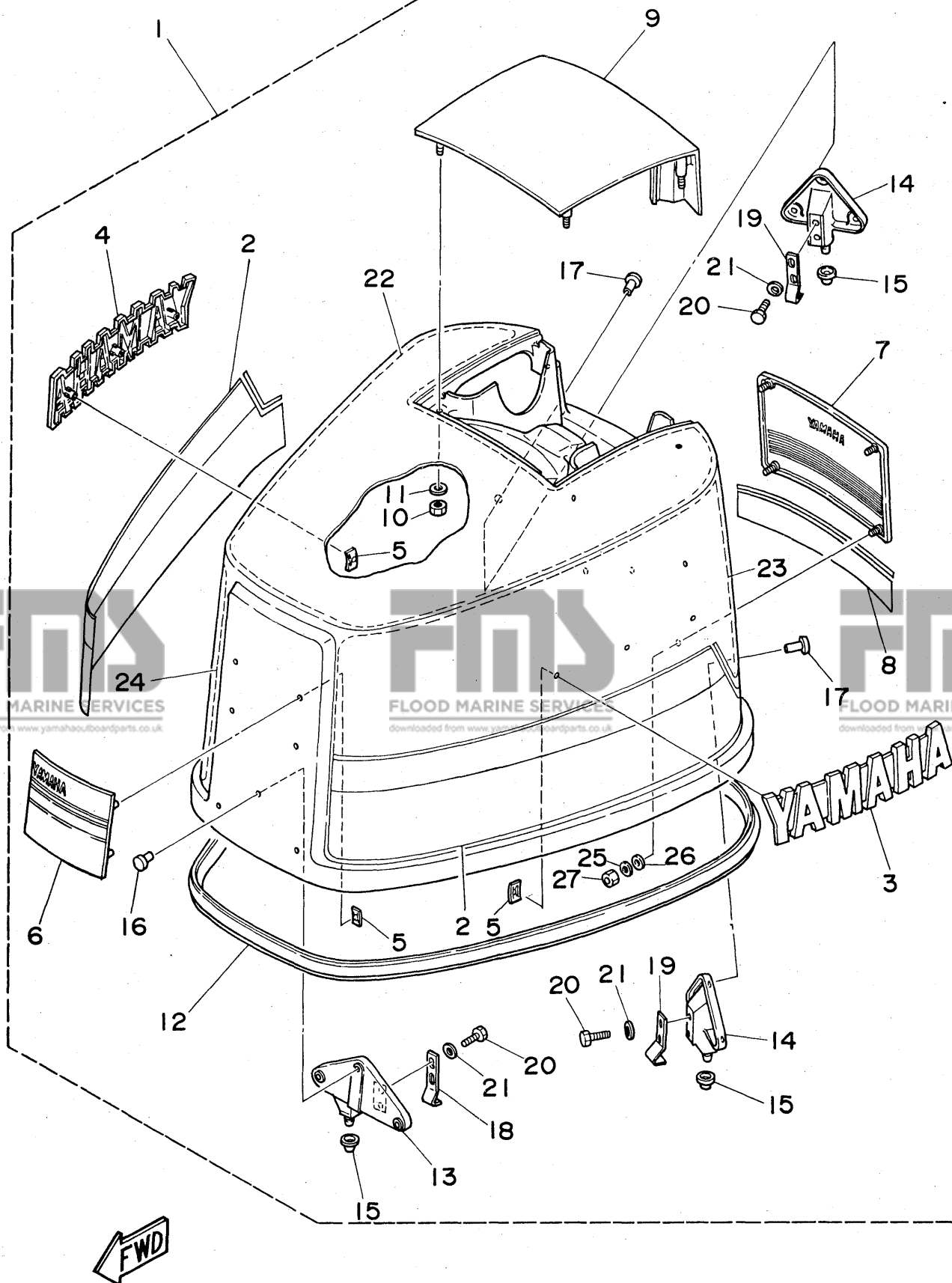


Fig. 6 TOP COWLING

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G7-42610-A0-EK	TOP COWLING ASS'Y	1	15	663-42662-00	. DAMPER 1	3
2	6G7-W0070-00	. GRAPHIC SIDE SET	1	16	90266-06009	. RIVET	3
3	6G7-42681-00	. MARK, cowling 1	1	17	90266-06M02	. RIVET	6
4	6G7-42682-00	. MARK, cowling 2	1	18	688-42652-00	. HOOK 2	1
5	90183-05M01	. NUT, spring	10	19	6E5-42652-00	. HOOK 2	2
				20	97395-06016	. BOLT	6
6	6G5-42686-00	. EMBLEM, front	1				
7	6G7-42687-A0	. EMBLEM, rear	1	21	92990-06600	. WASHER	6
8	6G7-42678-00	. GRAPHIC, rear	1	22	6E5-42617-00	. RUBBER, form 1	1
9	6G5-42613-00-EK	. MOLDING, air duct	1	23	6G5-42619-00	. RUBBER, form 2	1
10	95390-06600	. NUT	4	24	6G5-42627-00	. RUBBER, form 3	1
				25	90202-06058	. WASHER	4
11	92990-06600	. WASHER	4				
12	6E5-42615-00	. SEAL	1	26	90201-06068	. WASHER	4
13	6E5-42647-00-94	. HOLDER, clamp band 1	1	27	95390-06600	. NUT	4
14	6E5-42649-01-94	. HOLDER, clamp band 2	2				

Fig. 7 BOTTOM COWLING

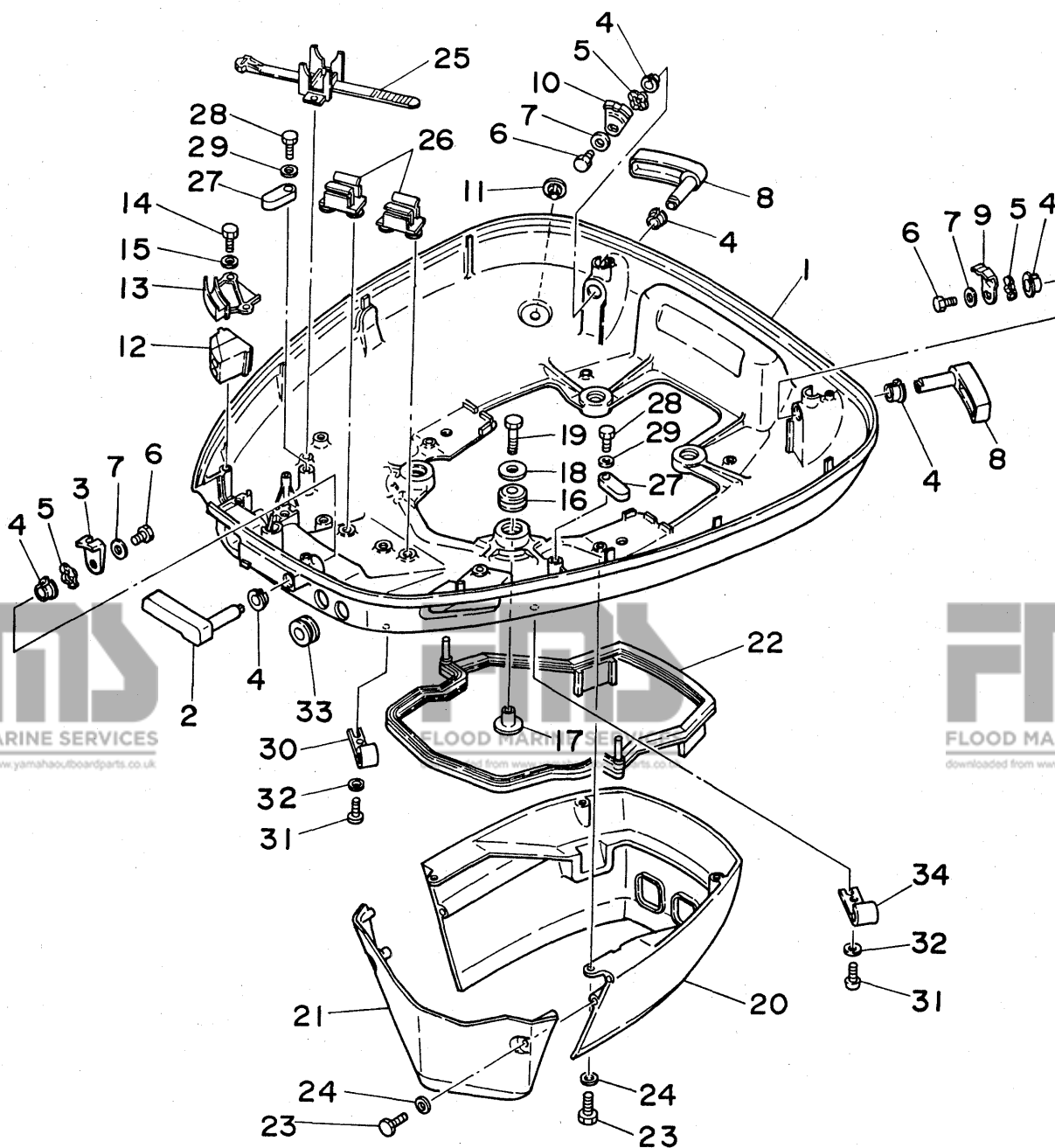
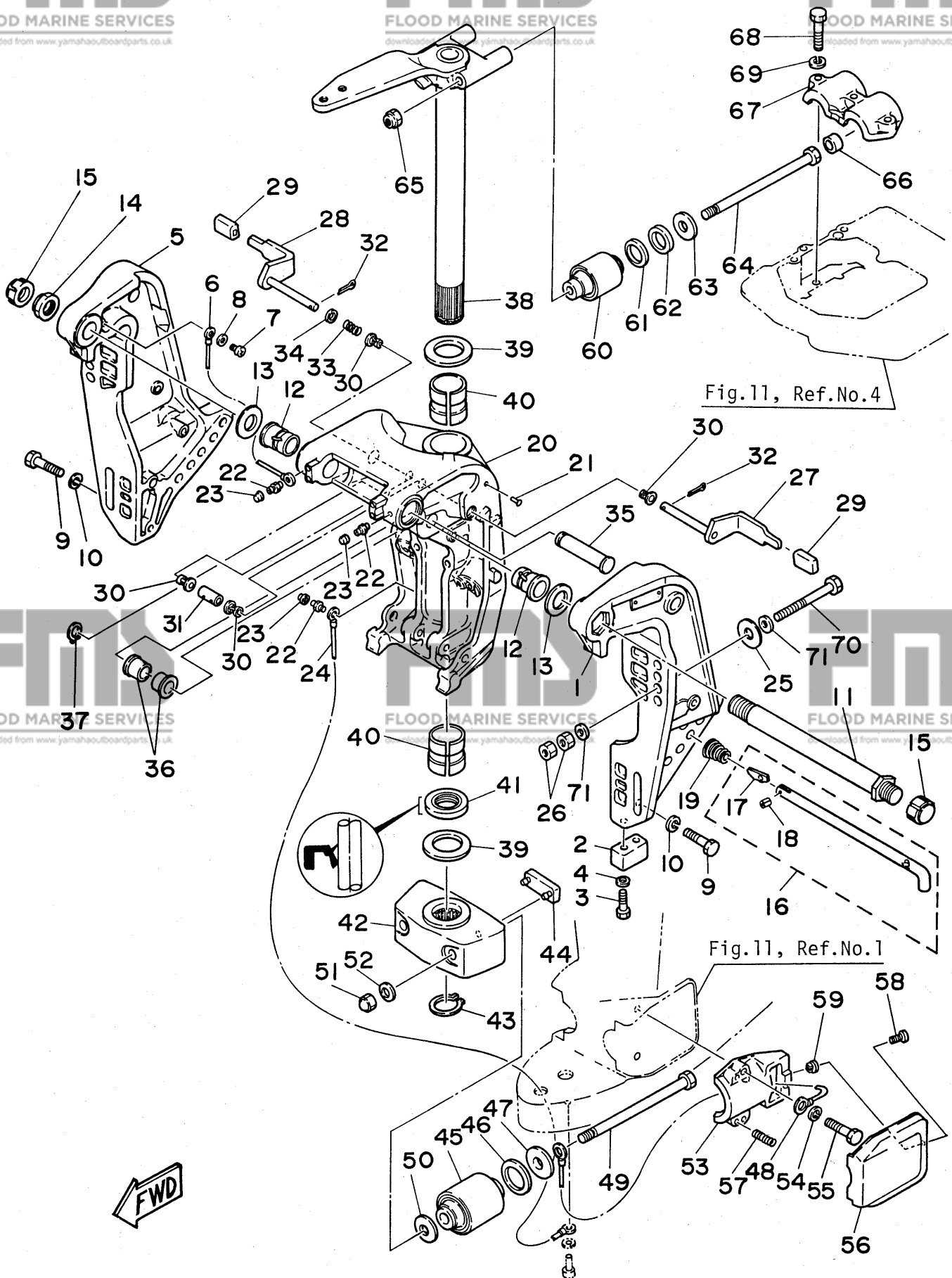


Fig. 7 BOTTOM COWLING

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-42711-10-EK	COWLING, bottom	1	18	90201-08M54	WASHER	4
2	688-42815-00-EK	LEVER, clamp 1	1	19	97375-08035	BOLT	4
3	688-42816-00	LEVER, clamp 2	1	20	6E5-42741-00-EK	APRON 1	1
4	90386-13M38	BUSHING	6	21	6E5-42771-00-EK	APRON 2	1
5	90206-13M10	WASHER	3	22	6E5-42716-00	SEAL, rubber	1
6	97395-06012	BOLT	3	23	97395-06020	BOLT	6
7	90201-06068	WASHER	3	24	92990-06600	WASHER	6
8	6E5-42817-00-EK	LEVER, clamp 3	2	25	688-82594-00	CLAMP	1
9	6G5-42816-00	LEVER, clamp 2	1	26	6E5-82594-00	CLAMP	2
10	6E5-42816-01	LEVER, clamp 2	1	27	6E5-82588-00	PLATE	3
11	6E5-44391-00	NIPPLE, hose 1	1	28	97313-06020	BOLT	3
12	6E5-42725-10	GROMMET 2	1	29	92903-06600	WASHER	3
13	6E5-42738-00-94	PLATE, fitting	1	30	6E5-24367-01	CLAMP, fuel pipe 2	1
14	97313-06016	BOLT	2	31	90157-06M01	SCREW, panhead	2
15	92903-06600	WASHER	2	32	92990-06600	WASHER	2
16	90480-22M15	GROMMET	4	33	90480-21M33	GROMMET	2
17	90387-08M37	COLLAR	4	34	6E5-24367-10	CLAMP, fuel pipe 2	1

Fig. 8 BRACKET



Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-43111-00-EK	BRACKET, clamp 1	1	37	93410-18M02	CIRCLIP	1
2	6E5-45251-00	ANODE	1	38	6E5-42510-00-EK	STEERING BRACKET ASS'Y (Long)	1 U.R.
3	97395-06025	BOLT	2	※	6E5-42510-20-EK	STEERING BRACKET ASS'Y (Ultra Long)	1 U.R.
4	92990-06600	WASHER	2	39	90201-38M60	WASHER	2
5	6E5-43112-00-EK	BRACKET, clamp 2	1	40	90386-38M32	BUSHING	2
6	6E5-82148-00	WIRE, lead 4	1	41	93109-38M02	OIL SEAL	1
7	97890-06012	SCREW, panhead	1	42	6E5-44551-00-EK	HOUSING, lower mount	1
8	92990-06600	WASHER	1	43	93410-37M04	CIRCLIP	1
9	97395-10045	BOLT	6	44	6E5-44575-00	DAMPER, lower mount rubber	1
10	92990-10100	WASHER	6	45	6G5-44555-00-94	MOUNT RUBBER, lower side	2
11	6E5-43131-00	BOLT, clamp bracket	1	46	90202-32M19	WASHER	2
12	90386-25M31	BUSHING	2	47	90201-16M55	WASHER	2
13	90201-26M59	WASHER	2	48	6E5-82149-00	WIRE, lead 3	1
14	90185-22043	NUT, self-locking	1	49	90109-14M10	BOLT	2
15	663-43145-00	CAP, clamp bracket	2	50	90201-15M58	WASHER	2
16	6E5-43160-10	TILT ROD ASS'Y	1	51	95380-14800	NUT, crown	2
17	688-43165-00	. STOPPER PLATE	1	52	92990-14600	WASHER	2
18	91690-30014	. PIN, spring	1	53	6E5-44552-00-EK	HOUSING, lower mount rubber	2
19	90502-20M03	SPRING, conical	1	54	92990-10100	WASHER	4
20	6E5-43311-01-EK	BRACKET, swivel 1 (Long)	1 U.R.	55	97395-10045	BOLT	4
※	6E5-43311-21-EK	BRACKET, swivel 1 (Ultra Long)	1 U.R.	56	6E5-44553-00-EK	COVER, lower mount	2
21	90269-03010	RIVET 1	1	57	90501-16M28	SPRING, compression	4
22	93700-06004	NIPPLE, grease	3	58	92380-06015	SCREW, cylinderhead	2
23	663-45119-00	CAP, grease nipple	3	59	90179-06066	NUT	2
24	6E5-82147-00	WIRE, lead 4 (Long)	1 U.R.	60	6G5-44514-00-94	MOUNT RUBBER, upper side	2
※	6E5-82147-20	WIRE, lead 4 (Ultra Long)	1 U.R.	61	90201-26M57	WASHER	2
25	90201-12426	WASHER	4	62	90202-26M18	WASHER	2
26	95380-12600	NUT	8	63	90201-14M56	WASHER	2
27	6E5-43181-00	LEVER, tilt stop 1	1	64	90109-12M09	BOLT	2
28	6E5-43185-00	LEVER, tilt stop 2	1	65	90185-12058	NUT, self-locking	2
29	663-43318-00	COVER	2	66	663-44575-00	DAMPER, lower mount rubber	2
30	90386-10M16	BUSHING	4	67	6E5-44511-00-EK	COVER, upper mount rubber	1
31	90387-10M38	COLLAR	1	68	97395-10045	BOLT	3
32	91490-30025	PIN, cotter	2	69	92990-10100	WASHER	3
33	90501-10M21	SPRING, compression	1	70	90101-12M65	BOLT	4
34	92990-10600	WASHER	1	71	92990-12200	WASHER	8
35	6E5-43126-00	PIN, upper shock mount	1				
36	90386-18M44	BUSHING	2				

※Not shown

FMS
FLOOD MARINE SERVICES
downloaded from www.yamahaoutboardparts.co.uk

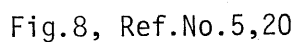


Fig. 9 POWER TRIM & TILT

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
▲1	6E5-43800-01-EK	POWER TRIM & TILT ASS'Y	1	8	6E5-83672-00	TRIM SENDER	1
2	6E5-43376-00	BOLT, thrust receiver	2	9	97890-06016	SCREW, panhead	2
3	90185-08057	NUT, self-locking	2	10	688-83553-10	WIRE, lead	1
4	688-83671-00	TRIM GAUGE	1	11	1E6-82151-00	. FUSE (12V-10A)	1
5	688-83516-00	. BULB (12V-1.7W)	1	12	6E5-82553-00	EXTENSION, wire harness	1
6	688-83536-00	. SOCKET, meter	1	13	90465-13M11	CLAMP	5
7	688-83664-00	. DAMPER	1				

▲See Fig. 21 for detail service parts.

Fig. 10 CONTROL

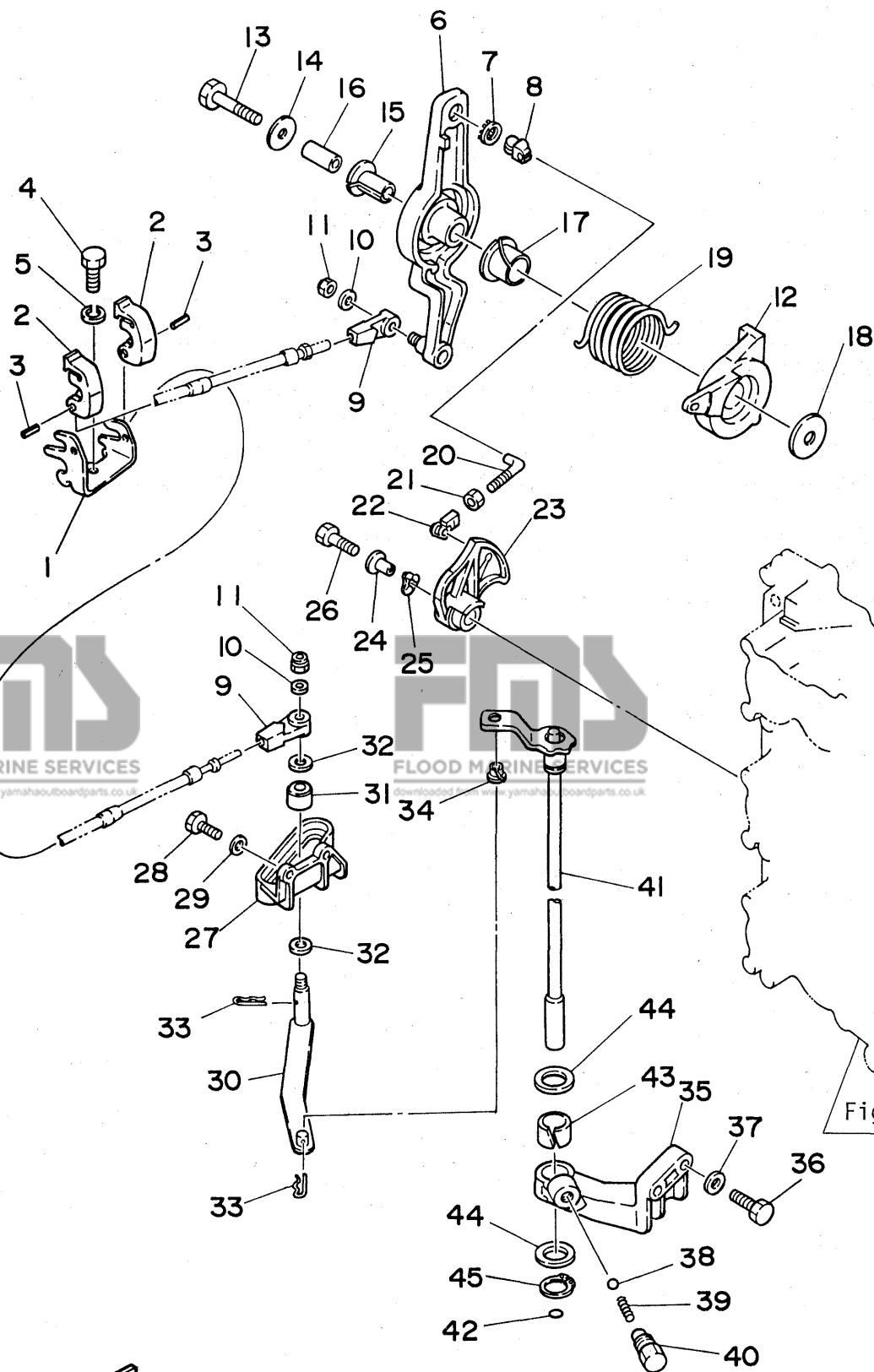


Fig.3, Ref.No.16



Fig. 10 CONTROL

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-48531-00	BRACKET, remote control	1	24	90387-06M29	COLLAR	1
2	6E5-48538-00	CLAMP, cable	2	25	90206-10049	WASHER	1
3	91690-30012	PIN, spring	2	26	97313-06025	BOLT	1
4	97313-08020	BOLT	1	27	6E5-44117-00-EK	BRACKET	1
5	92903-08100	WASHER	1	28	97313-06020	BOLT	2
6	6G5-41632-00-94	LEVER, magneto control 2	1	29	92903-06600	WASHER	2
7	6E5-41655-00	BUSHING	1	30	6E5-44121-00	LEVER, shift rod 1	1
8	6E5-41214-00	JOINT, ball	1	31	6E5-44122-00	BUSHING, shift rod lever	1
9	6E5-48344-00	CABLE END, remote control	2	32	90202-08M20	WASHER	2
10	92903-06200	WASHER	2	33	90468-18008	PIN, hair	2
11	90185-06062	NUT, self-locking	2	34	90386-06M12	BUSHING	1
12	6G7-41631-00-94	LEVER, magneto control 1	1	35	6E5-44118-00-EK	BRACKET 2	1
13	97313-08045	BOLT	1	36	97313-08030	BOLT	2
14	90201-08M23	WASHER	1	37	92903-08600	WASHER	2
15	90386-12089	BUSHING	1	38	93501-04M02	BALL	1
16	90387-08M16	COLLAR	1	39	90501-12082	SPRING, compression	1
17	90386-22M13	BUSHING	1	40	648-42715-00	BUSHING 2	1
18	90201-08M13	WASHER	1	41	6E5-44120-01	HANDLE GEAR SHIFT ASS'Y (Long)	1 U.R.
19	90508-29M12	SPRING, torsion	1	※	6E5-44120-21	HANDLE GEAR SHIFT ASS'Y (Ultra Long)	1 U.R.
20	6G5-41211-00S	LINK, accel.	1	42	93210-09165	O-RING	1
21	95303-05600	NUT	1	43	90386-16046	BUSHING	1
22	662-41237-01	JOINT, link 2	1	44	90202-16061	WASHER	2
23	6G5-41213-00	CAM, accel.	1	45	93410-16006	CIRCLIP	1

※Not shown

Fig. 11 UPPER CASING

FLOOD MARINE SERVICES

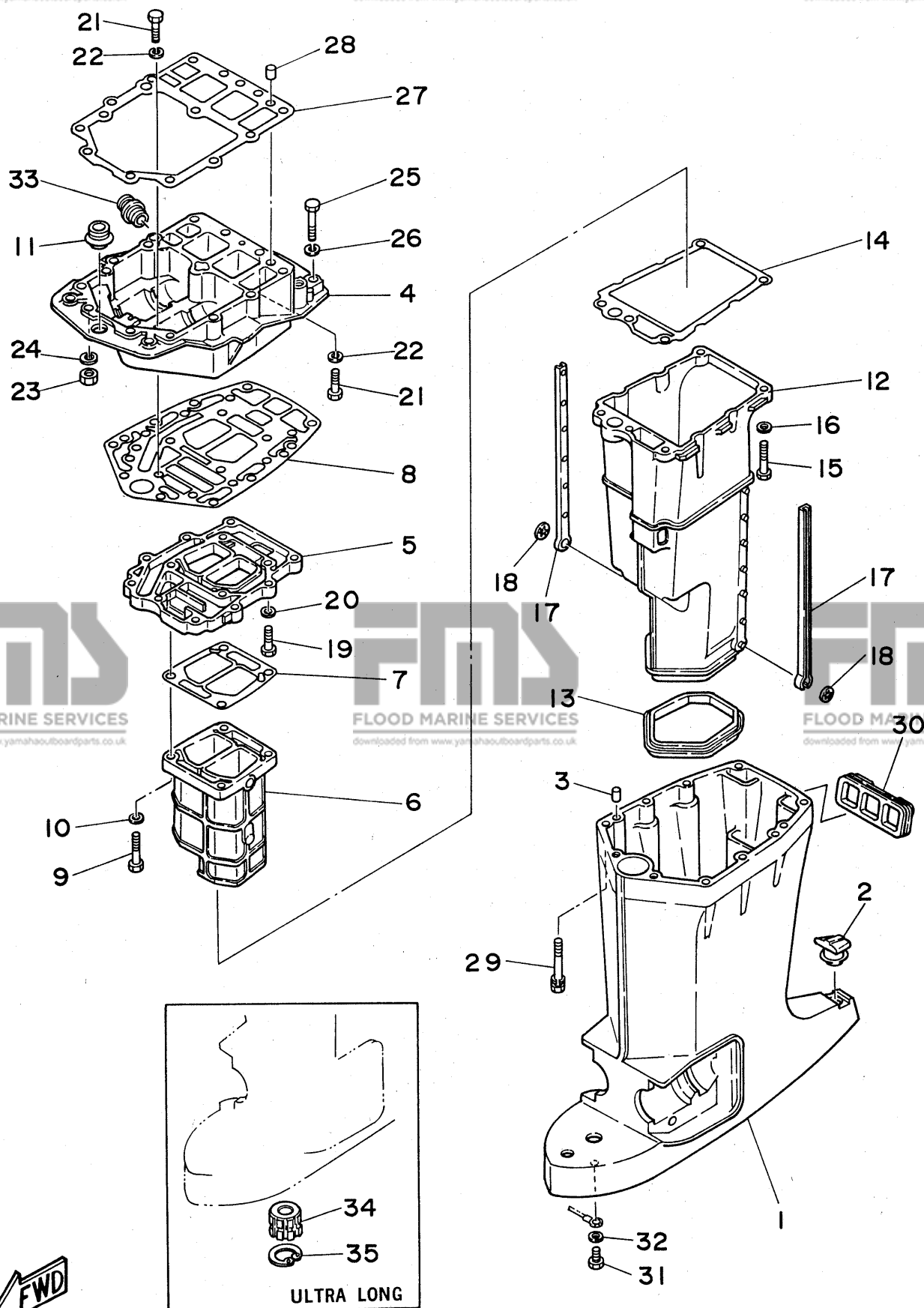
downloaded from www.yamahautboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahautboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahautboardparts.co.uk



FLOOD MARINE SERVICES

downloaded from www.yamahautboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahautboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahautboardparts.co.uk

220A

118

FLOOD MARINE SERVICES

downloaded from www.yamahautboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahautboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahautboardparts.co.uk

Fig. 11 UPPER CASING

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-45111-00-EK	CASING, upper (Long)	1 U.R.	18	90183-05M02	NUT, spring	2
※	6E5-45111-20-EK	CASING, upper (Ultra Long)	1 U.R.	19	97395-08030	BOLT	4
2	6E5-45155-00	CAP	1	20	92990-08600	WASHER	4
3	93608-12M05	PIN, dowel B	2	21	97395-08030	BOLT	6
4	6G5-41137-00-94	GUIDE, exhaust	1	22	92990-08100	WASHER	6
5	6G5-41131-00-9M	MANIFOLD, exhaust 1	1	23	95380-08700	NUT	2
6	6G5-41132-00-9M	MANIFOLD, exhaust 2	1	24	92990-08100	WASHER	2
7	6G5-41134-00	GASKET, exhaust manifold 2	1	25	97395-08045	BOLT	2
8	6G5-45114-00	GASKET, upper casing 2	1	26	92990-08100	WASHER	2
9	97395-08045	BOLT	4	27	6G5-45113-00	GASKET, upper casing 1	1
10	92990-08600	WASHER	4	28	93608-12M05	PIN, dowel B	2
11	6E5-42724-00	GROMMET 1	1	29	90119-08M04	BOLT, hexagon with washer	6
12	6E5-14711-00-9M	MUFFLER	1	30	6E5-42769-00	SEAL, rubber	1
13	6E5-45123-00	GASKET, muffler	1	31	97395-06010	BOLT	1
14	6E5-41135-00	GASKET, exhaust manifold 3	1	32	92990-06600	WASHER	1
15	97395-08045	BOLT	5	33	6G5-12581-00	JOINT, hose 1	1
16	92990-08600	WASHER	5	34	6E5-45318-00	BUSHING, drive shaft 3 (Ultra Long)	1
17	6E5-14737-00	DAMPER, muffler	2	35	93420-36M01	CIRCLIP (Ultra Long)	1

※Not shown

Fig. 12 LOWER & DRIVE I

FLOOD MARINE SERVICES

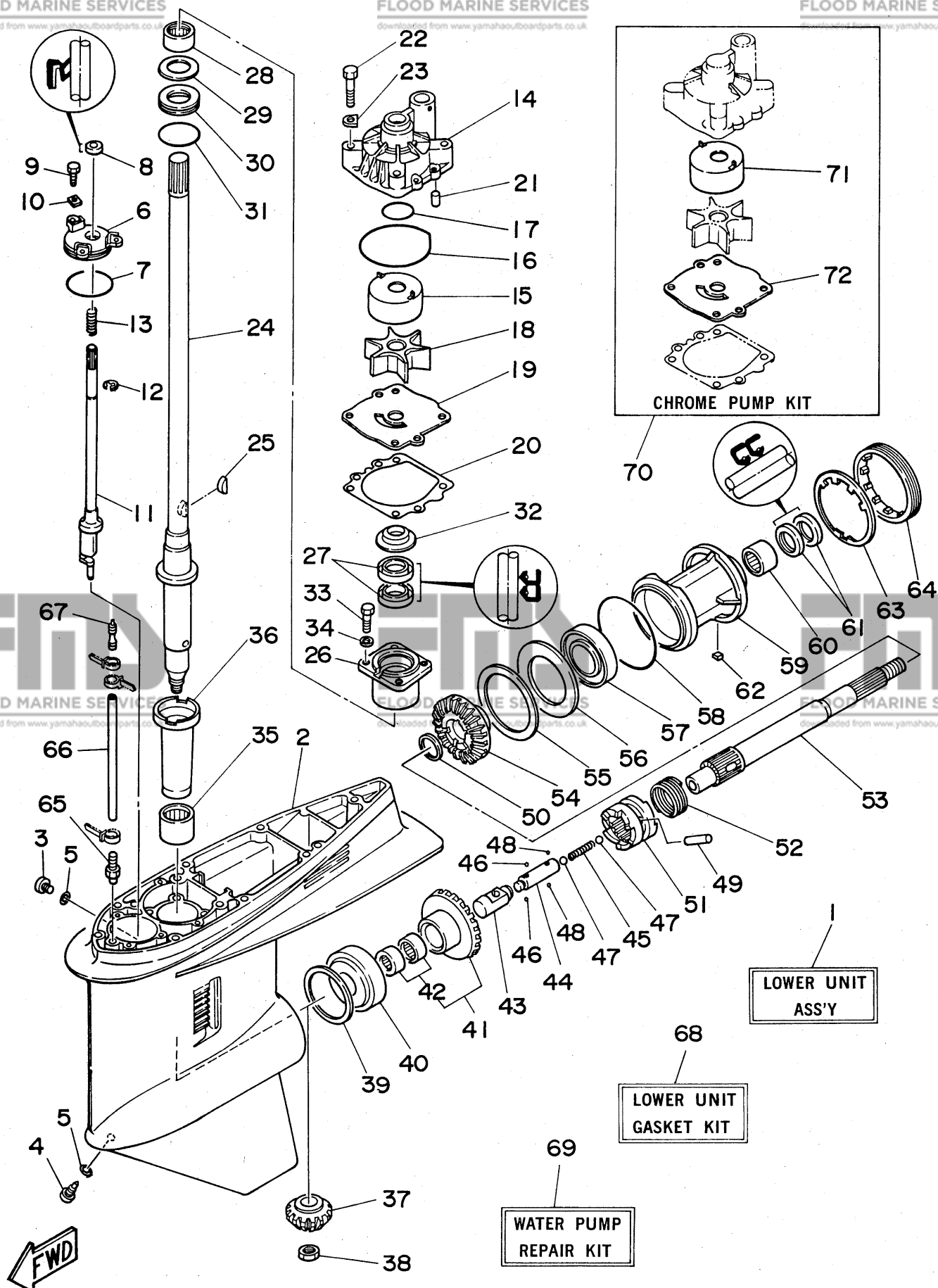
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk



220A

120

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G7-45300-10-EK	LOWER UNIT ASS'Y (Long) (Ref. No. 2 to 67)	1 U.R.	38	90170-16M01	NUT	1
※	6G7-45300-20-EK	LOWER UNIT ASS'Y (Ultra Long) (Ref. No. 2 to 67)	1 U.R.	39	6G5-45567-00-05	SHIM 1 (0.05mm)	1 U.R.
2	6G5-45301-00-EK	CASING, lower	1		6G5-45567-00-08	SHIM 1 (0.08mm)	1 U.R.
3	90340-08014	PLUG, straight screw	1		6G5-45567-00-12	SHIM 1 (0.12mm)	1 U.R.
4	90340-08M02	PLUG, straight screw	1		6G5-45567-00-30	SHIM 1 (0.30mm)	1 U.R.
5	90430-08020	GASKET	2		6G5-45567-00-50	SHIM 1 (0.50mm)	1 U.R.
6	6E5-45321-00	PLATE	1	40	93332-000V3	BEARING, taper roller	1
7	93210-58144	O-RING	1	41	6G7-45560-00	GEAR 1 ASS'Y (26T)	1
8	93106-09014	OIL SEAL	1	42	93315-425V3	. BEARING, needle	1
9	97395-06020	BOLT	3	43	6E5-45641-01	SHIFTER	1
10	90209-06M04	WASHER	3	44	6E5-45634-01	SLIDE, shift	1
11	6G5-44150-00	SHIFT CAM ASS'Y	1	45	90501-16M37	SPRING, compression	1
12	93430-08006	CIRCLIP	1	46	93507-32009	BALL	2
13	90501-11M10	SPRING	1	47	93511-32017	BALL	2
14	6E5-44311-00	HOUSING, water pump	1	48	93503-16003	BALL	2
15	6E5-44322-00	INSERT, cartridge	1	49	90250-08M07	PIN	1
16	93210-86M38	O-RING	1	50	90201-30M92	WASHER	1
17	93210-37160	O-RING	1	51	6G5-45631-00	CLUTCH, dog	1
18	6E5-44352-00	IMPELLER	1	52	6E5-45633-01	RING, cross pin	1
19	6G5-44323-00	OUTER PLATE, cartridge	1	53	6G5-45611-00	SHAFT, propeller	1
20	6E5-44315-00	GASKET, water pump	1	54	6G7-45571-00	GEAR 2 (26T)	1
21	93606-12019	PIN, dowel B	1	55	6E5-45577-00-05	SHIM 2 (0.50mm)	1 U.R.
22	97395-08045	BOLT	4		6E5-45577-00-08	SHIM 2 (0.08mm)	1 U.R.
23	90209-08M02	WASHER	4		6E5-45577-00-12	SHIM 2 (0.12mm)	1 U.R.
24	6G5-45501-00	DRIVE SHAFT COMP. (Long)	1 U.R.		6E5-45577-00-30	SHIM 2 (0.30mm)	1 U.R.
※	6G5-44501-20	DRIVE SHAFT COMP. (Ultra Long)	1 U.R.		6E5-45577-00-50	SHIM 2 (0.50mm)	1 U.R.
25	90280-04M05	KEY, woodruff	1	56	6G5-45576-00	WASHER, thrust 2	1
26	6E5-45331-00-94	HOUSING, bearing 1	1	57	93306-209U0	BEARING (B6208)	1
27	93101-28M16	OIL SEAL	2	58	93210-97M55	O-RING	1
28	93317-330U2	BEARING, needle	1	59	6G5-45332-00-94	HOUSING, bearing 2	1
29	6E5-45587-00-05	SHIM 3 (0.05mm)	1 U.R.	60	93315-430U8	BEARING, needle	1
	6E5-45587-00-08	SHIM 3 (0.08mm)	1 U.R.	61	93101-30M17	OIL SEAL	2
	6E5-45587-00-12	SHIM 3 (0.12mm)	1 U.R.	62	90282-04010	KEY, straight	1
	6E5-45587-00-30	SHIM 3 (0.30mm)	1 U.R.	63	6G5-45383-00	WASHER, claw	1
	6E5-45587-00-50	SHIM 3 (0.50mm)	1 U.R.	64	6G5-45384-00	NUT	1
30	93341-930U0	BEARING, thrust	1	65	6E5-45378-00	NIPPLE, hose	1
31	93210-55M14	O-RING	1	66	90445-07M31	HOSE (Long)	1 U.R.
32	6E5-45344-00	COVER, oil seal	1	※	90445-07M38	HOSE (Ultra Long)	1 U.R.
33	97395-08025	BOLT	4	67	6E5-83558-00	END, nipple	1
34	92990-08600	WASHER	4	▲68	6G5-W0001-20	LOWER UNIT GASKET KIT	1
35	93311-928U5	BEARING, needle	1	★69	6G5-W0078-00	WATER PUMP REPAIR KIT	1
36	6E5-45536-00	SLEEVE, drive shaft	1			CHROME PUMP KIT	
37	6G7-45551-00	PINION (15T)	1	70	6G5-W0078-0A	CHROME PUMP KIT	1
				71	6E5-44322-41	. INSERT, cartridge	1
				72	6G5-44323-40	. OUTER PLATE, cartridge	1

※ Not shown

▲ See Fig. 22 for detail service parts.

Fig. 13 LOWER & DRIVE 2

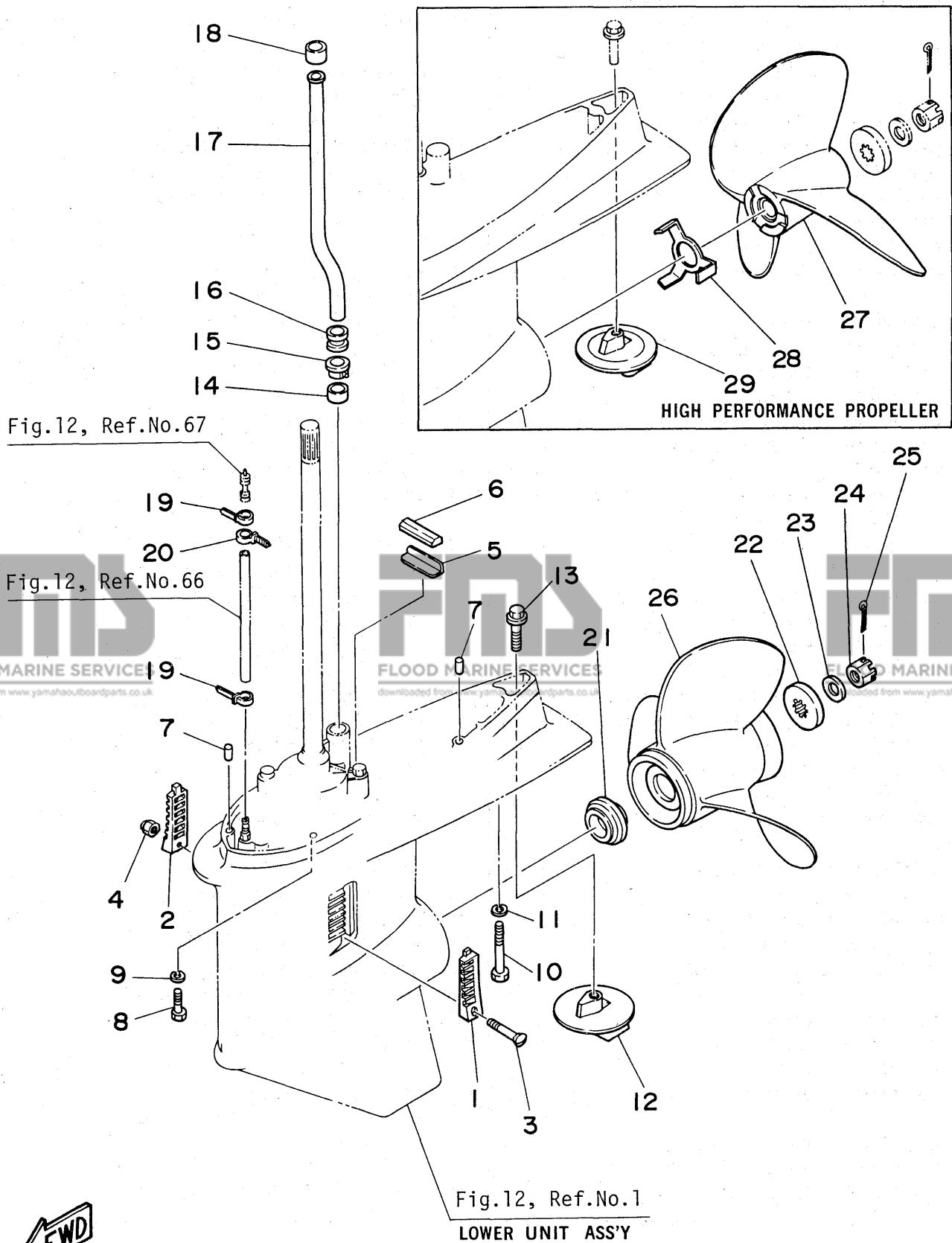


Fig. 13 LOWER & DRIVE 2

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G5-45214-00	COVER, water inlet 1	1	24	90171-18M04	NUT, castle	1
2	6G5-45215-00	COVER, water inlet 2	1	25	91490-40030	PIN, cotter	1
3	90142-05M03	SCREW	1	26	6G5-45941-00-36	PROPELLER ASS'Y (3x15 $\frac{1}{4}$ "x15"-M)	1 U.R.
4	90185-05002	NUT, self-locking	1		6G5-45943-00-36	PROPELLER ASS'Y (3x13 $\frac{3}{4}$ "x21"-M)	1 U.R.
◆5	663-45376-00-94	GUIDE, rubber seal	1		6G5-45945-00-36	PROPELLER ASS'Y (3x14"x19"-M)	1 U.R.
◆6	688-45375-00	SEAL, rubber 2	1		6G5-45947-00-36	PROPELLER ASS'Y (3x14 $\frac{1}{2}$ "x17"-M)	1 U.R.
7	93608-12M05	PIN, dowel B	2		6G5-45949-00-36	PROPELLER ASS'Y (3x13 $\frac{1}{2}$ "x23"-M)	1 U.R.
8	97375-10045	BOLT	6		STAINLESS STEEL PROPELLER		
9	92990-10100	WASHER	6		6G5-45970-00-98	PROPELLER ASS'Y (3x15 $\frac{1}{4}$ "x15"-M)	1 U.R.
10	97375-10070	BOLT	1		6G5-45972-00-98	PROPELLER ASS'Y (3x13 $\frac{3}{4}$ "x21"-M)	1 U.R.
					6G5-45974-00-98	PROPELLER ASS'Y (3x14"x19"-M)	1 U.R.
11	92990-10100	WASHER	1				
12	6E5-45371-01	TAB-TRIM	1		6G5-45976-00-98	PROPELLER ASS'Y (3x13 $\frac{1}{2}$ "x23"-M)	1 U.R.
13	90105-10M00	BOLT	1		6G5-45978-00-98	PROPELLER ASS'Y (3x14 $\frac{1}{2}$ "x17"-M)	1 U.R.
◆14	6E5-44365-00	RUBBER, water seal 1	1		6G5-45930-00-98	PROPELLER ASS'Y (3x13 $\frac{3}{4}$ "x25"-M)	1 U.R.
◆15	6E5-44312-00	COVER, water pump housing	1		6G5-45932-00-98	PROPELLER ASS'Y (3x15 $\frac{1}{4}$ "x13"-M)	1 U.R.
					HIGH PERFORMANCE PROPELLER		
16	6E5-44366-00	RUBBER, water seal 2	1	27	6E5-45970-10	PROPELLER ASS'Y (3x14"x20"-P)	1 U.R.
17	6E5-44361-00	TUBE, water (Long)	1 U.R.		6E5-45972-10	PROPELLER ASS'Y (3x14"x24"-P)	1 U.R.
※	6E5-44361-20	TUBE, water (Ultra Long)	1 U.R.		6E5-45974-10	PROPELLER ASS'Y (3x14"x28"-P)	1 U.R.
18	6E5-44365-00	RUBBER, water seal 1	1		6E5-45976-10	PROPELLER ASS'Y (3x14"x22"-P)	1 U.R.
19	90465-11M10	CLAMP	2		6E5-45978-10	PROPELLER ASS'Y (3x14"x26"-P)	1 U.R.
20	90465-13M11	CLAMP	1	28	6E5-45994-10	PLATE, tooth	1
21	6E5-45987-00	SPACER 1	1				
22	688-45997-00	SPACER 2	1	29	6E5-45371-10	TAB-TRIM	1
23	92990-18200	WASHER	1				

※Not shown

◆Contents of lower unit ass'y (Parts No. 6G7-45300-10-EK, 6G7-45300-20-EK)

Fig. 14 C·D·I· MAGNETO

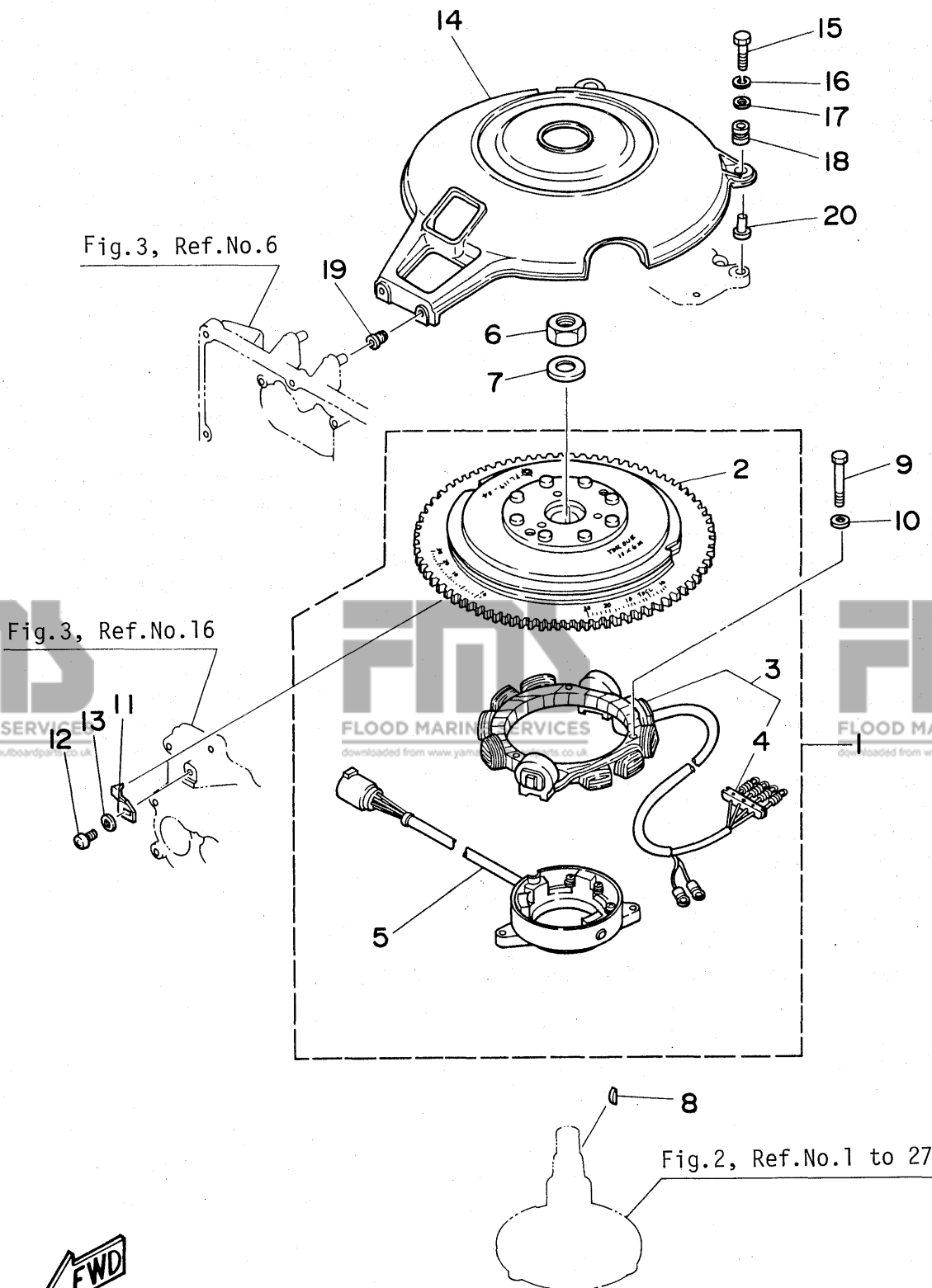


Fig. 14 C.D.I. MAGNETO

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G7-85500-10	C.D.I. MAGNETO ASS'Y	1	11	6E5-81332-00	PLATE, timing	1
2	6G5-85550-10	. ROTOR ASS'Y	1	12	97803-06010	SCREW, panhead	1
3	6G5-85510-10	. STATOR ASS'Y	1	13	92903-06600	WASHER	1
4	90480-06M16	. . GROMMET	1	14	6G7-81337-00	COVER, flywheel	1
5	6G7-85580-10	. PULSER ASS'Y	1	15	97313-06030	BOLT	2
6	90170-20137	NUT	1	16	92903-06100	WASHER	2
7	90201-21M18	WASHER	1	17	90201-06M62	WASHER	2
8	90280-05015	KEY, woodruff	1	18	663-82317-00	DAMPER	2
9	97313-06055	BOLT	3	19	6G5-82317-00	DAMPER	2
10	92903-06600	WASHER	3	20	624-42542-00	PIPE 1	2

Fig. 15 ELECTRIC MOTOR

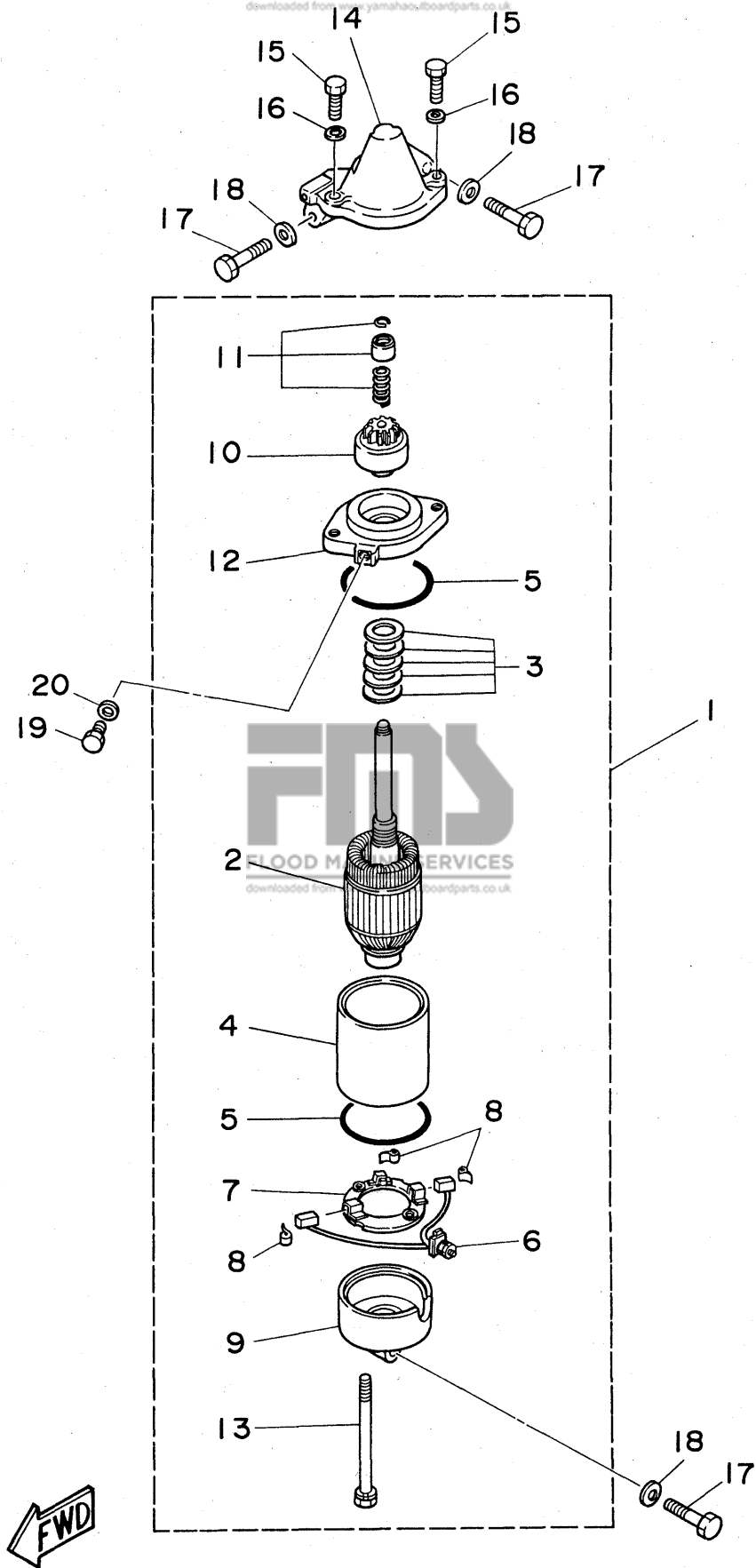


Fig. 15 ELECTRIC MOTOR

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-81800-11	ELECTRIC MOTOR ASS'Y	1	11	6E5-81857-10	. PINION STOPPER SET	1
2	6E5-81850-10	. ARMATURE ASS'Y	1	12	6E5-81830-10	. FRONT BRACKET ASS'Y	1
3	6E5-81809-10	. WASHER KIT	1	13	6E5-81826-10	. BOLT 1	2
4	6E5-81810-10	. STATOR ASS'Y	1	14	6E5-81822-01-98	BRACKET, electric motor	1
5	6E5-81847-10	. O-RING	2	15	97313-08025	BOLT	2
6	6E5-81801-10	. BRUSH ASS'Y (+)	1	16	92903-08600	WASHER	2
7	6E5-81840-10	. BRUSH HOLDER ASS'Y (-)	1	17	97313-08045	BOLT	3
8	6E5-81813-10	. SPRING, brush	3	18	92903-08600	WASHER	3
9	6E5-81820-10	. REAR BRACKET ASS'Y	1	19	97395-08016	BOLT	1
10	6E5-81807-11	. PINION ASS'Y (9T)	1	20	92990-08600	WASHER	1

Fig. 16 ELECTRIC PARTS I

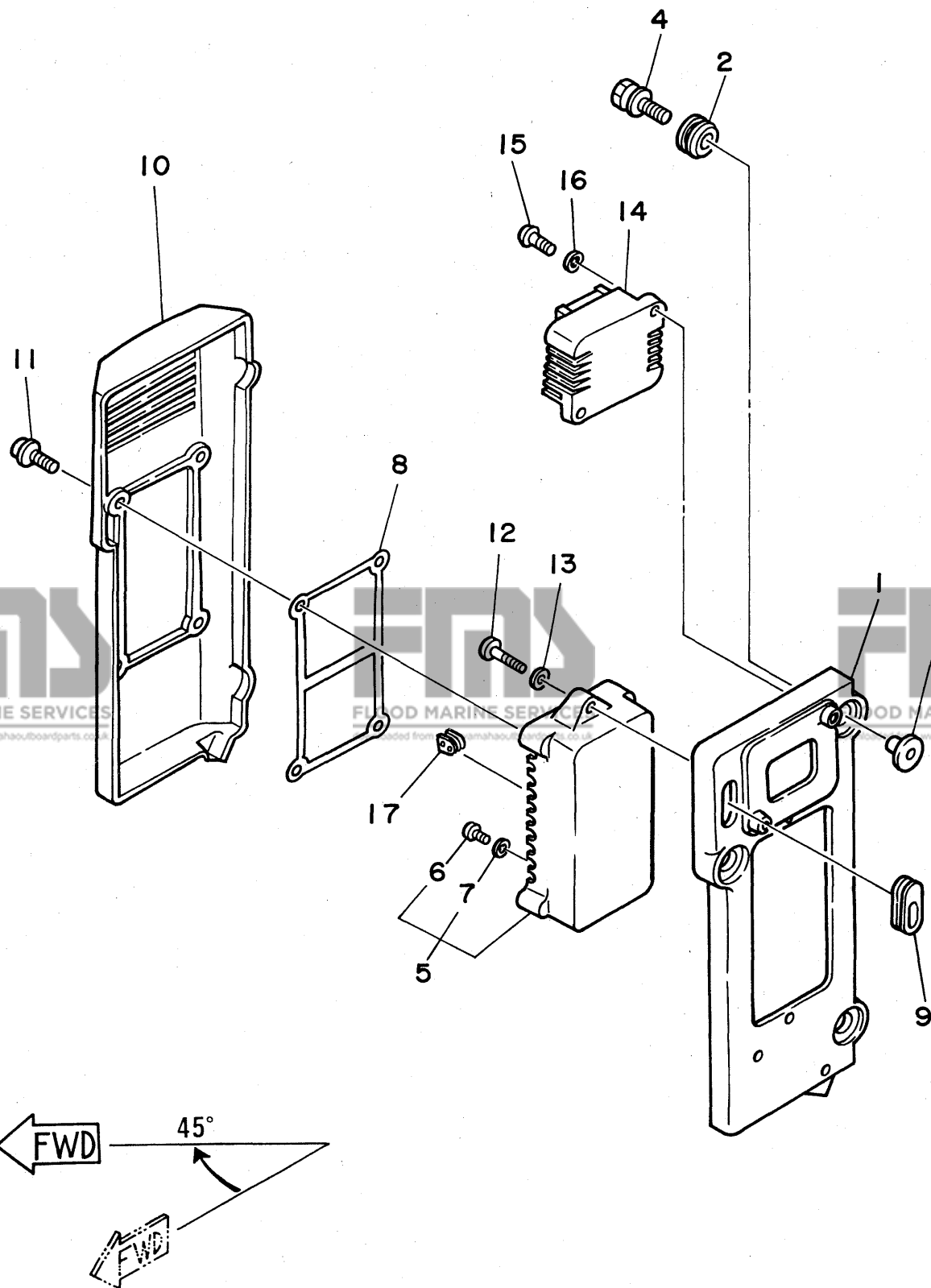


Fig. 16 ELECTRIC PARTS 1

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G5-85542-00-94	BRACKET	1	10	6G5-85537-00	COVER	1
2	90480-09M12	GROMMET	3	11	90159-06M03	SCREW	4
3	90387-06M03	COLLAR	3	12	97803-06030	SCREW	2
4	90119-06M28	BOLT, with washer	3	13	92903-06600	WASHER	2
5	6G5-85540-10	C.D.I. UNIT ASS'Y	1	14	688-81960-60	RECTIFIER & REGULATOR ASS'Y	1
6	98503-04008	. SCREW, panhead	20	15	97803-06020	SCREW	2
7	92990-04200	. WASHER	20	16	92903-06600	WASHER	2
8	6G5-85547-00	DAMPER	1	17	90480-06157	GROMMET	2
9	90480-12M32	GROMMET	1				

Fig. 17 ELECTRIC PARTS 2

FLOOD MARINE SERVICES

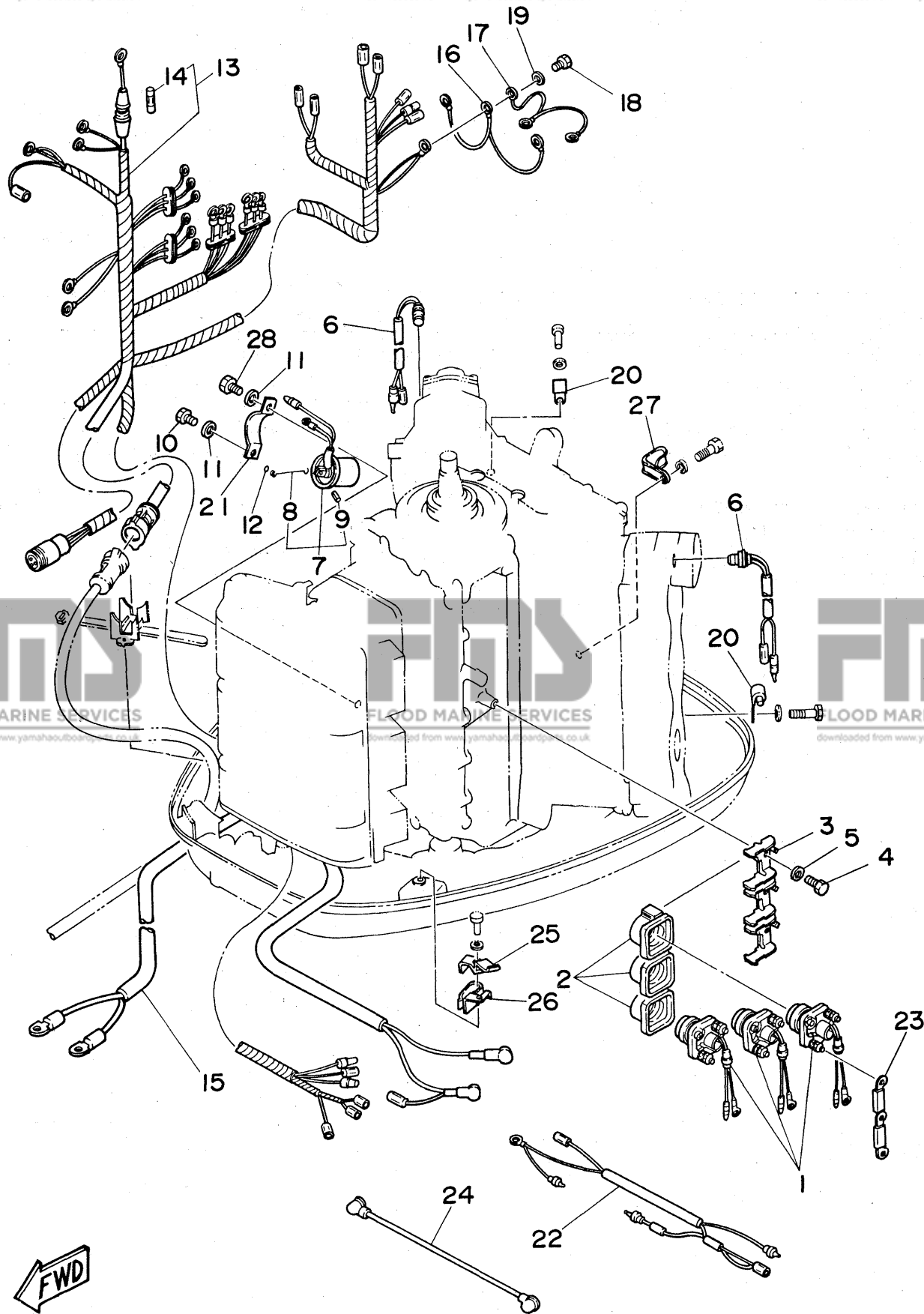
downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk



220A

130

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaoutboardparts.co.uk

Fig. 17 ELECTRIC PARTS 2

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-81941-11	STARTER RELAY ASS'Y	3	15	6G5-82105-00	LEAD WIRE ASS'Y	1
2	689-81952-10	HOLDER, starter relay	3	16	6G0-82519-00	WIRE, earth lead	1
3	6G5-81948-00	BRACKET	1	17	6E5-82531-00	WIRE, lead	1
4	97313-06016	BOLT	3	18	97395-06012	BOLT	3
5	92903-06600	WASHER	3	19	92990-06600	WASHER	3
6	688-82560-10	THERMO-SWITCH ASS'Y	2	20	90465-08M07	CLAMP	6
7	6G5-86110-00	SOLENOID COIL ASS'Y	1	21	6G5-86115-00	HOLDER, solenoid	1
8	6G5-86119-00	. WIRE, pull	1	22	6G5-82553-00	EXTENSION, wire lead	1
9	91690-30010	. PIN, spring	1	23	6G5-87149-00	CONNECTOR	1
10	97313-06016	BOLT	1	24	6G5-82117-00	WIRE, lead	1
11	92903-06600	WASHER	2	25	90465-08M21	CLAMP	1
12	93210-03261	O-RING	1	26	90465-08M22	CLAMP	1
13	6G7-82590-00	WIRE HARNESS ASS'Y	1	27	90465-08M08	CLAMP	1
14	663-82151-00	. FUSE (12V-20A)	1	28	97313-06020	BOLT	1

Fig. 18 ELECTRIC PARTS 3

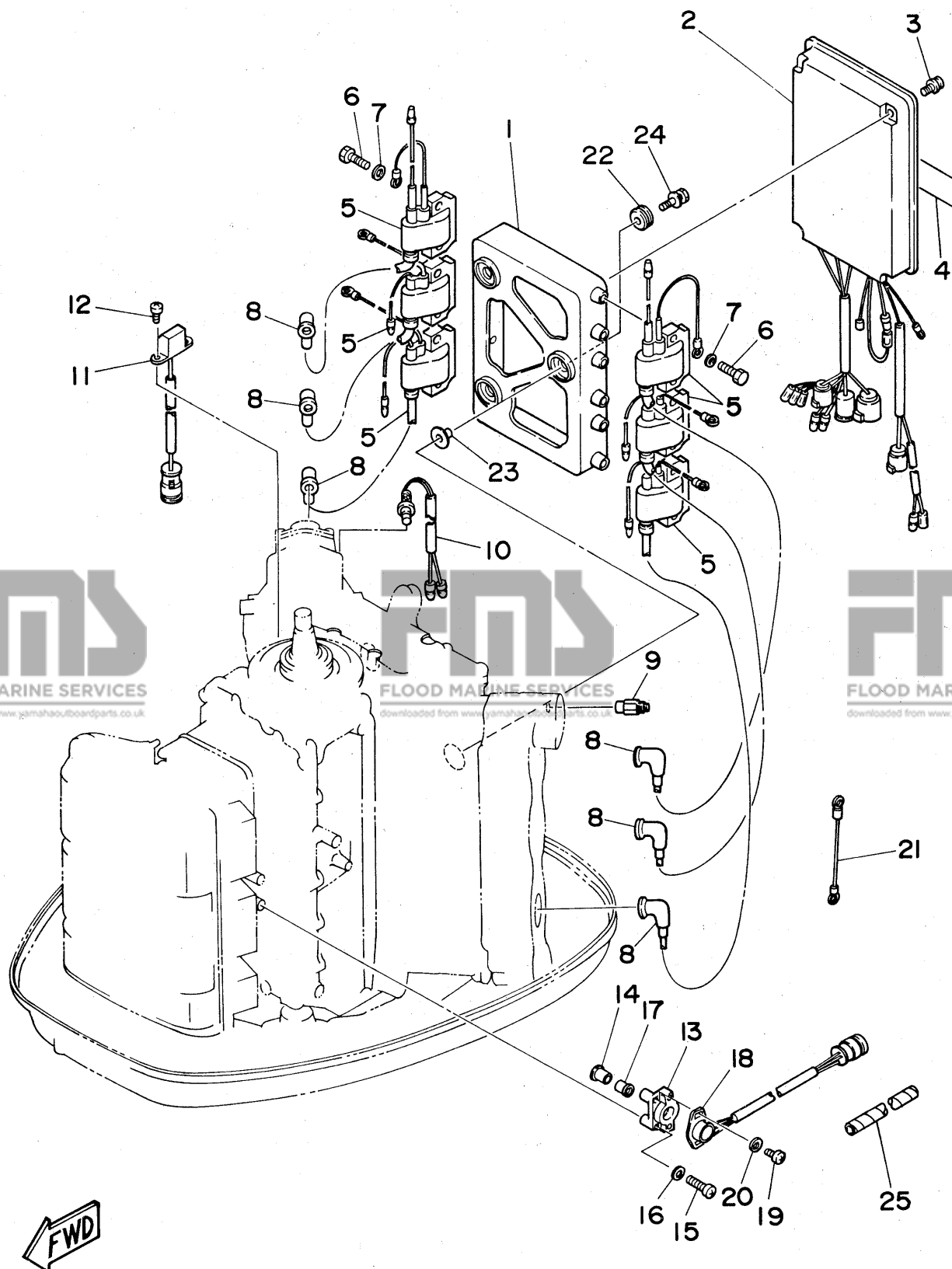


Fig. 18 ELECTRIC PARTS 3

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G7-85542-00-94	BRACKET	1	14	90386-10009	BUSHING	1
2	6G7-85830-10	CONTROL UNIT ASS'Y	1	15	97803-05030	SCREW	2
3	90159-06M04	SCREW, with washer	4	16	92903-05600	WASHER	2
4	6G7-84341-00	EMBLEM	1	17	90387-08M59	COLLAR	1
5	6E5-85570-10	IGNITION COIL ASS'Y	6	18	6G7-85885-00	THROTTLE SENSOR ASS'Y	1
6	97313-06030	BOLT	12	19	97803-05016	SCREW	2
7	92903-06600	WASHER	12	20	92903-05600	WASHER	2
8	6E3-82370-20	PLUG CAP ASS'Y	6	21	662-82519-00	WIRE, earth lead	1
9	6G7-85780-00	KNOCK SENSOR	1	22	90480-09M12	GROMMET	3
10	6G7-85790-00	THERMO SENSOR	1	23	90387-09M03	COLLAR	3
11	6G7-85895-00	CRANK POSITION SENSOR	1	24	90119-06M28	BOLT, with washer	3
12	97803-05012	SCREW	2	25	90446-10M01	TUBE	1
13	6G7-85886-00-94	BRACKET	1				

Fig. 19 OIL PUMP

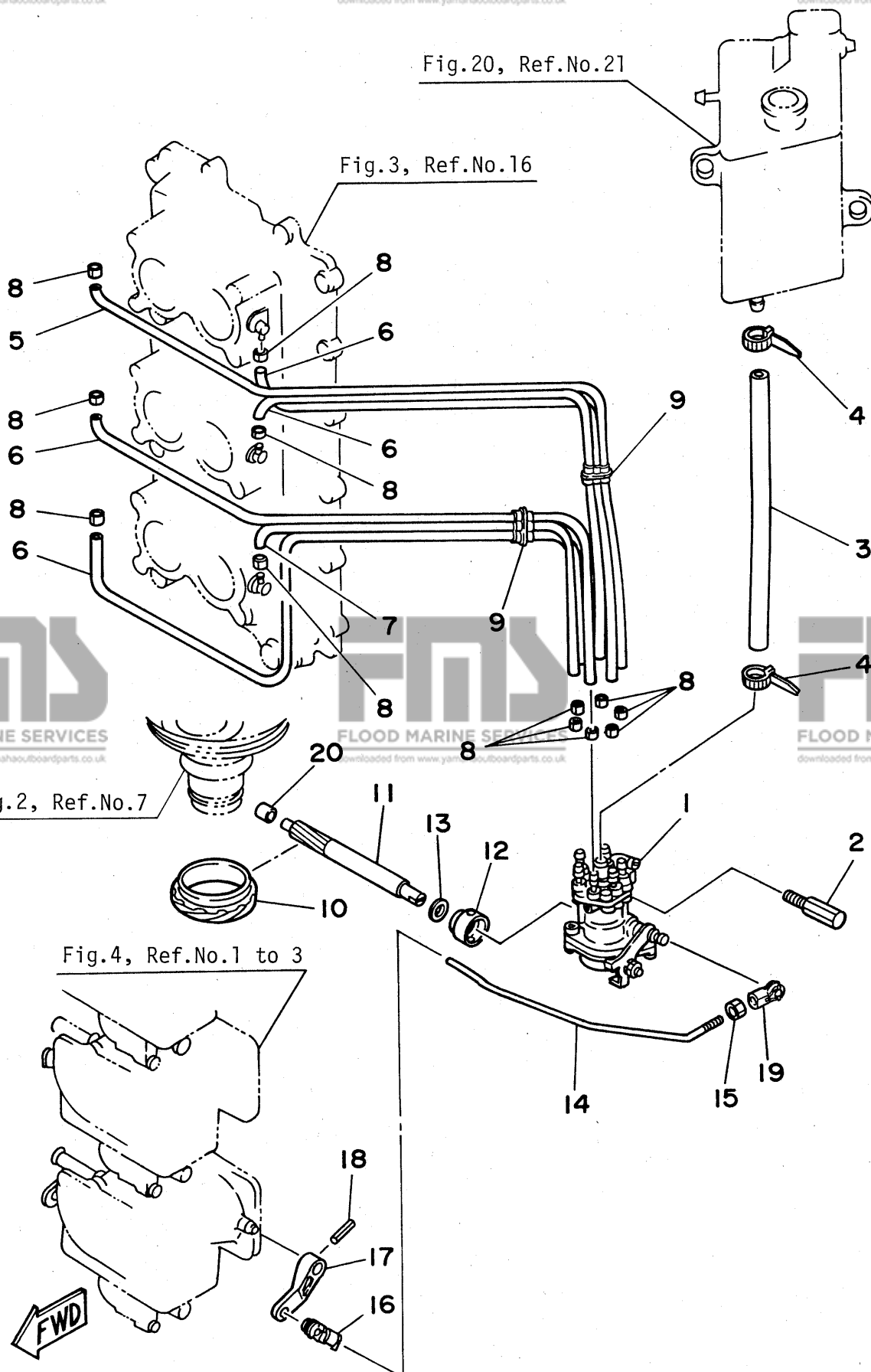


Fig. 19 OIL PUMP

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G6-13200-00	OIL INJECTION PUMP ASS'Y	1	11	6E5-11537-00	GEAR, driven	1
2	90109-06M23	BOLT	2	12	6E5-13117-00	COLLAR, distance	1
3	90445-12M65	HOSE	1	13	90201-08M93	WASHER, plate	1
4	90465-13M11	CLAMP	2	14	6E5-41241-00	ROD 1	1
5	90445-07M70	HOSE	1	15	95303-05600	NUT	1
6	90445-07M71	HOSE	4	16	6E9-41237-00	JOINT, link 2	1
7	90445-07M72	HOSE	1	17	6E5-14276-00	LEVER 1	1
8	90468-07M01	CLIP	12	18	91690-30016	PIN, spring	1
9	90464-07M05	CLAMP	2	19	662-41237-01	JOINT, link 2	1
10	6E5-11536-00	GEAR, drive	1	20	90380-06M18	BUSHING	1

Fig. 20 OIL TANK

FLOOD MARINE SERVICES

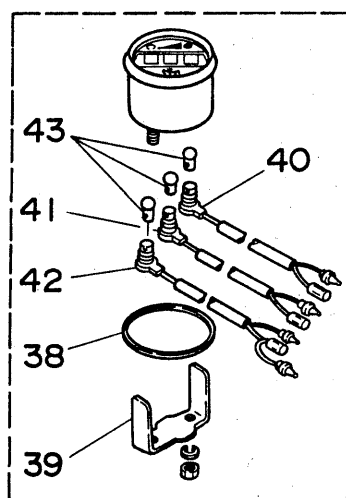
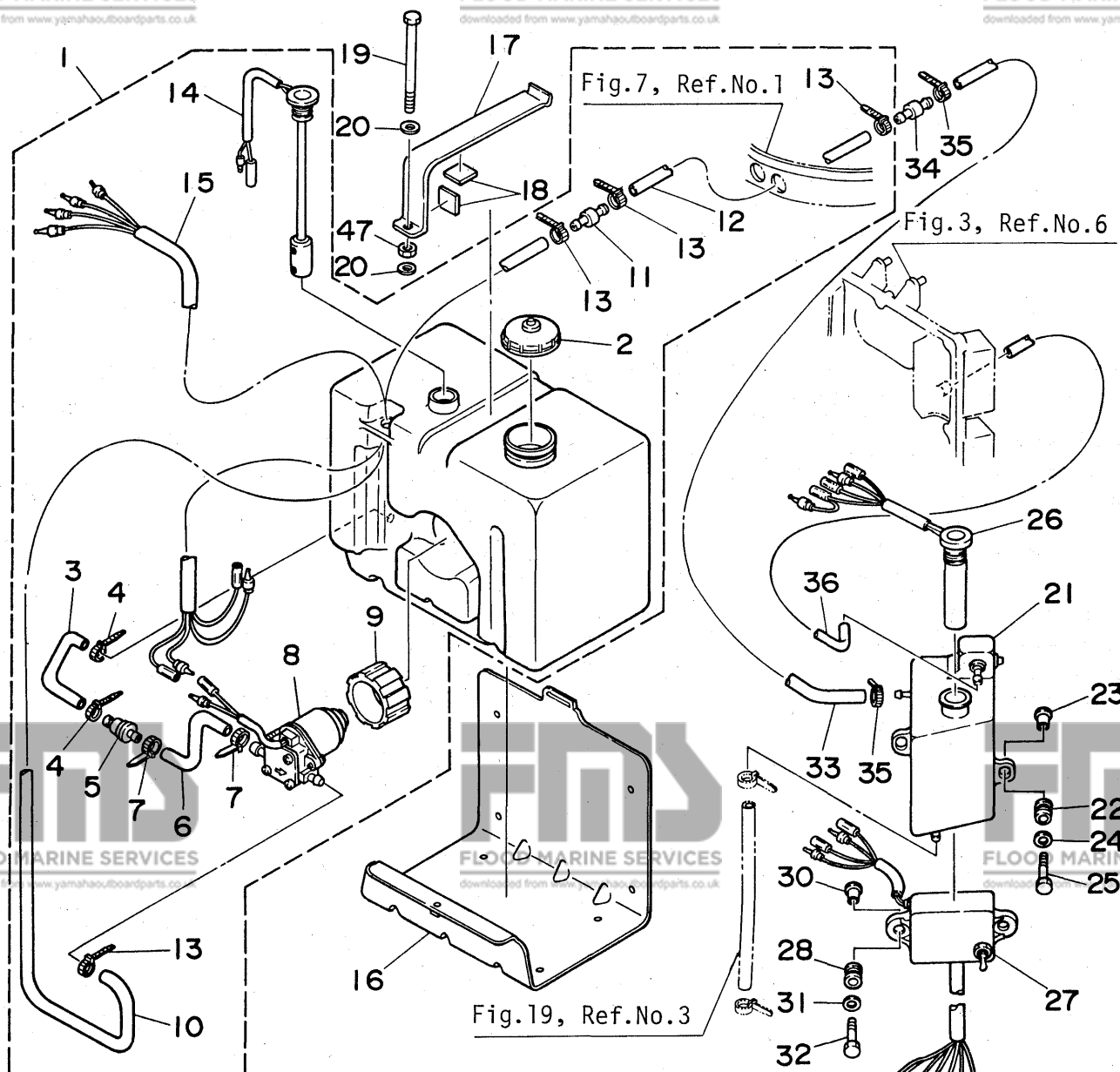
downloaded from www.yamahaboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaboardparts.co.uk



FLOOD MARINE SERVICES

downloaded from www.yamahaboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaboardparts.co.uk

FLOOD MARINE SERVICES

downloaded from www.yamahaboardparts.co.uk

Fig. 20 OIL TANK

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-21708-00	OIL TANK SUB-ASS'Y	1	25	97313-06030	BOLT	3
2	6E5-21770-00	. OIL TANK CAP ASS'Y	1	26	6G7-85730-00	OIL LEVEL GAUGE ASS'Y 2	1
3	6E5-24318-00	. PIPE	1	27	6E5-85740-00	CONTROL UNIT	1
4	90465-13M11	. CLAMP	2	28	6A0-82317-00	DAMPER	2
5	646-24251-01	. STRAINER	1	29	6G5-81315-00	WIRE, lead	1
6	6E5-24319-00	. PIPE 9	1	30	624-42542-00	PIPE	2
7	90465-13M11	. CLAMP	2	31	90201-06M62	WASHER	2
8	6E5-81900-00	. OIL FEED PUMP ASS'Y	1	32	97313-06030	BOLT	2
9	6E5-81922-00	. GROMMET 1	1	33	6E5-24323-00	PIPE 12	1
10	6E5-24321-00	. PIPE 10	1	34	6E5-24379-00	PIPE, joint	1
11	6E5-24379-00	. PIPE, joint	1	35	90465-13M11	CLAMP	2
12	90445-11M88	. HOSE	1	36	90445-05M61	HOSE	1
13	90465-13M11	. CLAMP	4	37	6E5-84301-00	OIL LEVEL WARNING LAMP	1
14	6E5-85720-00	. OIL LEVEL GAUGE ASS'Y 1	1	38	688-83523-00	. DAMPER	1
15	6E5-85721-00	. WIRE, lead	1	39	688-83514-00	. PLATE, fitting	1
16	6E5-21734-00-33	HOLDER, sub oil tank	1	40	6E5-83536-00	. SOCKET CORD ASS'Y 1	1
17	6E5-21798-00-33	BRACKET, damper	1	41	6E5-83536-10	. SOCKET CORD ASS'Y 2	1
18	6E5-21746-00	DAMPER	2	42	6E5-83536-21	. SOCKET CORD ASS'Y 3	1
19	97313-06100	BOLT	1	43	688-83516-10	. BULB (12V-3.4W)	3
20	92903-06600	WASHER	2	44	6E5-82551-00	WIRE, lead	1
21	6E5-21750-00	OIL TANK ASS'Y	1	45	6E5-84348-00	WIRE, lead	1
22	6A0-82317-00	DAMPER	3	46	6E5-83553-00	WIRE, lead	1
23	624-42542-00	PIPE	3	47	95390-06600	NUT	1
24	90201-06M62	WASHER	3				

Fig. 21 POWER TRIM & TILT ASS'Y

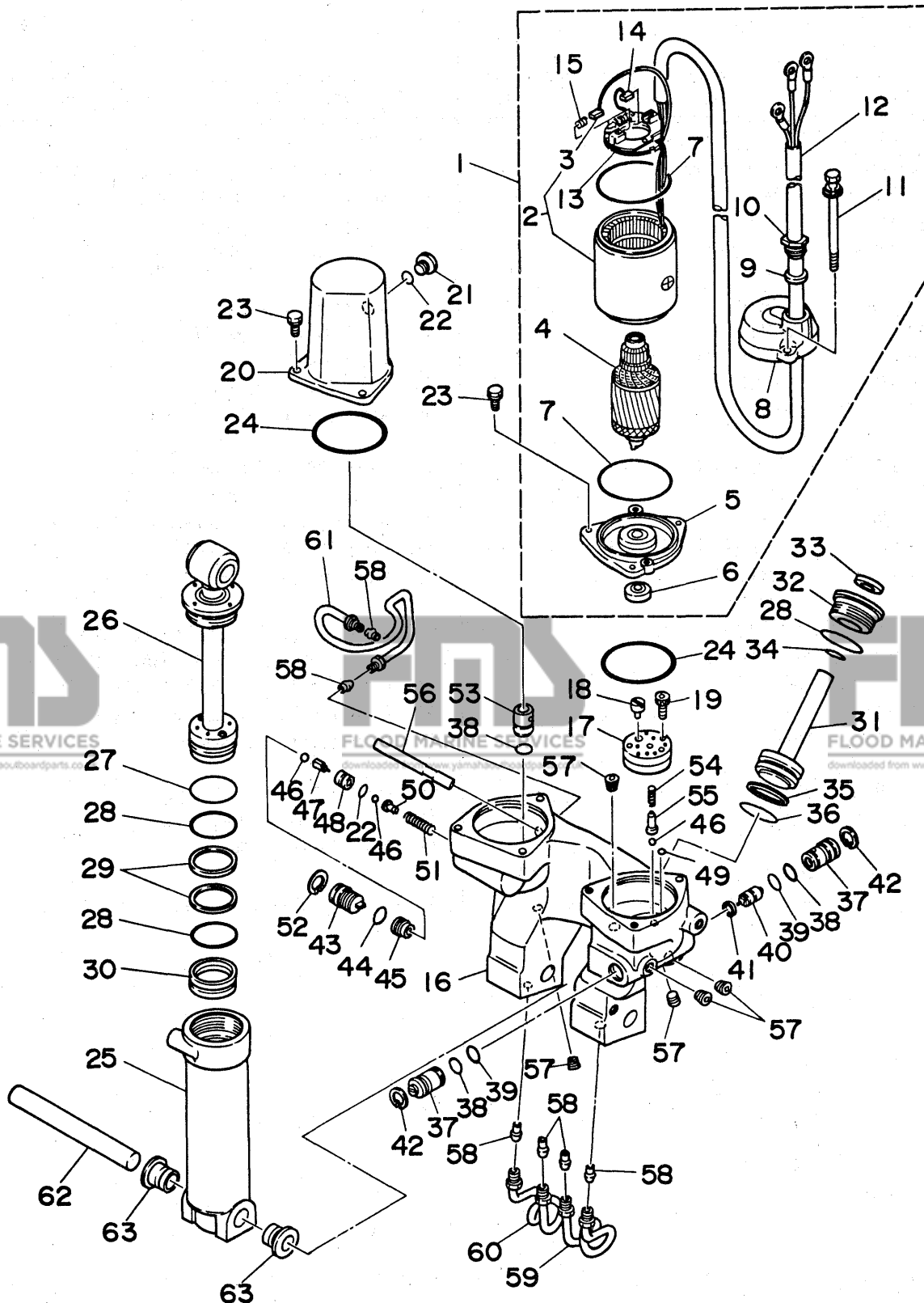


Fig. 21 POWER TRIM & TILT ASS'Y

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
※	6E5-43800-01-EK	POWER TRIM & TILT ASS'Y (See Fig. 9, Ref. No. 1)	1	32	6E5-43821-00	. SCREW, trim cylinder end	2
1	688-43880-10	. MOTOR ASS'Y	1	33	6E5-43822-00	. SEAL, trim dust	2
2	688-43804-01	. . STATOR ASS'Y	1	34	93210-16M40	. O-RING	2
3	688-43891-00	. . . BRUSH 1	1	35	6E5-43874-00	. RING, back up	2
4	688-43805-01	. . ARMATURE ASS'Y	1	36	93210-33M41	. O-RING	2
5	688-43881-01	. . FRAME, end	1	37	688-43802-00	. VALVE SUB ASS'Y (Main)	2
6	688-43882-00	. . OIL SEAL	1	38	688-43864-00	. O-RING	3
7	688-43883-00	. . O-RING	2	39	688-43865-00	. O-RING	2
8	688-43884-02	. . FRAME, commutator end	1	40	688-43841-00	. PISTON, shuttle	1
9	688-43885-01	. . GROMMET	1	41	688-43873-00	. RING, back up	1
10	688-43886-02	. . BOLT	1	42	688-43876-00	. RING, snap	2
11	688-43887-01	. . BOLT, through	2	43	688-43845-00	. SCREW, manual release	1
12	688-43807-10	. . WIRE SUB ASS'Y	1	44	688-43866-00	. O-RING	1
13	688-43806-01	. . BRUSH HOLDER ASS'Y	1	45	688-43846-00	. SCREW, manual valve seat	1
14	688-43891-00	. . BRUSH 2	1	46	688-43858-00	. BALL	3
15	90501-05M46	. . SPRING, brush	1	47	688-43848-00	. ROD, manual release	1
16	6E5-43825-00	. HOUSING, trim & tilt	1	48	688-43847-00	. SEAT, manual valve	1
17	688-43830-00	. GEAR PUMP ASS'Y	1	49	688-43868-00	. O-RING	1
18	688-43831-00	. CONNECTOR, shaft	1	50	6E5-43849-00	. PIN, valve support	1
19	688-43878-00	. BOLT, socket	3	51	6E5-43854-00	. SPRING, manual release	1
20	688-43828-00	. BODY, reservoir	1	52	688-43875-00	. RING, snap	1
21	688-43829-01	. PLUG, reservoir	1	53	6E5-43850-00	. VALVE SUB ASS'Y (Upper Relief)	1
22	688-43869-00	. O-RING	2	54	688-43856-00	. SPRING, down relief	1
23	688-43879-00	. SCREW, with washer	6	55	688-43844-01	. PIN, valve support	1
24	688-43867-00	. O-RING	2	56	688-43838-00	. PIPE, intake	1
25	6E5-43813-00	. CYLINDER, tilt	1	57	688-43826-00	. PLUG, taper screw	5
26	6E5-43810-01	. PISTON SUB ASS'Y (Tilt)	1	58	688-43832-00	. SEAT, union	6
27	688-43863-00	. O-RING	1	59	6E5-43833-00	. PIPE	1
28	688-43862-00	. O-RING	4	60	6E5-43834-00	. PIPE	1
29	688-43872-00	. RING, back up	2	61	688-43835-00	. PIPE	1
30	6E5-43814-00	. PISTON, free	1	62	6E5-43818-00	. PIN, lower shock mount	1
31	6E5-43820-01	. PISTON SUB ASS'Y (Trim)	2	63	90386-18M14	. BUSHING	2

※ Not shown

Fig. 22 REPAIR KIT

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6G5-W0001-01	POWER HEAD GASKET KIT	1	32	6G5-14323-00	. SCREW, air adjusting	6
2	6E5-11381-00	. GASKET, cover	1	33	617-24565-00	. O-RING	6
3	6G5-11181-01	. GASKET, cylinderhead	2	34	6G5-W0001-20	LOWER UNIT GASKET KIT	1
4	6G5-11193-01	. GASKET, head cover	1	35	6G5-41134-00	. GASKET, exhaust manifold 2	1
5	688-12414-00	. GASKET, thermostat cover	2	36	6G5-45114-00	. GASKET, upper casing 2	1
6	6G5-41112-00	. GASKET, exhaust cover	2	37	6E5-41135-00	. GASKET, exhaust manifold 3	1
7	6G5-11382-00	. GASKET, by-pass	1	38	90430-08020	. GASKET	2
8	93102-40M14	. OIL SEAL	1	39	6E5-45123-00	. GASKET, muffler	1
9	93211-04M36	. O-RING	2	40	6E5-44365-00	. RUBBER, water seal 1	1
10	93102-35M13	. OIL SEAL	1	41	6E5-44366-00	. RUBBER, water seal 2	1
11	93101-22M15	. OIL SEAL	1	42	93210-58144	. O-RING	1
12	93210-74M35	. O-RING	1	43	93106-09014	. OIL SEAL	1
13	6G5-14416-00	. GASKET, air cleaner	1	44	93210-06M38	. O-RING	1
14	6G5-14483-00	. GASKET, plate	1	45	93210-37160	. O-RING	1
15	6E5-14198-00	. GASKET	3	46	6E5-44315-00	. GASKET, water pump	1
16	6G5-13645-00	. GASKET, intake manifold	1	47	93101-28M16	. OIL SEAL	2
17	6E5-13621-00	. PACKING, valve seat	6	48	93210-55M14	. O-RING	1
18	6G5-45113-00	. GASKET, upper casing	1	49	93210-97M55	. O-RING	1
19	6G5-W0093-00	CARBURETOR REPAIR SET	1	50	93101-30M17	. OIL SEAL	2
20	6G5-14483-00	. GASKET, plate	1	51	6G5-W0078-00	WATER PUMP REPAIR KIT	1
21	6E5-14198-00	. GASKET	1	52	6E5-44322-00	. INSERT, cartridge	1
22	6E5-14390-20	. VALVE SEAT ASS'Y	3	53	93210-86M38	. O-RING	1
23	367-14195-00	. GASKET	3	54	93210-37160	. O-RING	1
24	6E5-14386-01	. PIN, float	3	55	6E5-44352-00	. IMPELLER	1
25	6E5-14385-00	. FLOAT ASS'Y	3	56	6G5-44323-00	. OUTER PLATE, cartridge	1
26	6E5-14384-02	. GASKET, float chamber	3	57	6E5-44315-00	. GASKET, water pump	1
27	1J2-14398-00	. GASKET	6	58	93606-12019	. PIN, dowel B	1
28	6E5-14398-00	. GASKET	3	59	97395-08045	. BOLT	4
29	682-41291-00	. BUSHING	1	60	90209-08M02	. WASHER	4
30	97803-05017	. SCREW, panhead	3	61	90280-04M05	. KEY, woodruff	1
31	98902-04010	. SCREW	3				

ALTERNATE PARTS

A.P.

CONTENTS

Fig. 1	FUEL TANK (115AETO THRU 220AETO)	144
Fig. 2	REMOTE CONTROL	146
Fig. 3	REMOTE CONTROL ASS'Y	148
Fig. 4	STEERING GUIDE ATTACHMENT	150
Fig. 5	METER 1	152
Fig. 6	METER 2	154
Fig. 7	OPTIONAL PARTS 1	156
Fig. 8	OPTIONAL PARTS 2	158
Fig. 9	OPTIONAL PARTS 3	160

Fig. 1 FUEL TANK & FUEL PIPE
(115AETO THRU 220AETO)

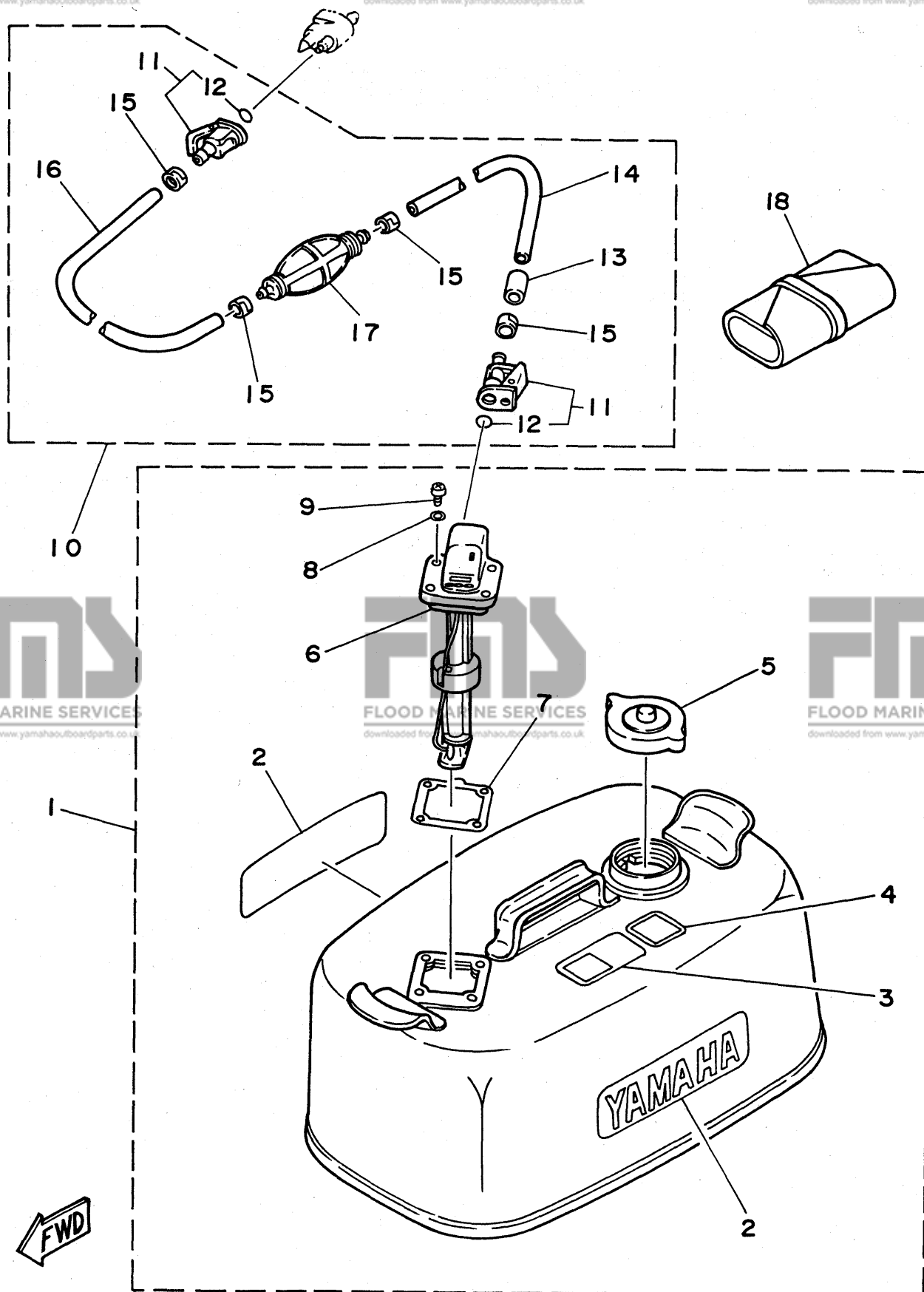


Fig. 1 FUEL TANK & FUEL PIPE (115AETO THRU 220AETO)

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6Y1-24207-80-24	FUEL TANK ASS'Y	1	10	6Y2-24306-01	FUEL PIPE ASS'Y	1
2	6Y1-24246-00	. GRAPHIC, side	2	11	6E5-24305-00	. FUEL PIPE JOINT COMP. 2	2
3	6Y1-24256-80	. GRAPHIC	1	12	93210-08287	. . O-RING	2
4	6Y1-24257-00	. GRAPHIC	1	13	6Y2-24397-00	. COLLAR	1
5	6Y1-24610-00	. CAP ASS'Y	1	14	90445-13M33	. HOSE	1
6	6Y1-24260-00	. FUEL METER ASS'Y	1	15	6E5-24351-00	. BAND, fuel pipe 1	4
7	6Y1-24268-00	. GASKET, fuel meter housing	1	16	90445-13M34	. HOSE	1
8	6Y1-24329-00	. SEAL	4	17	6Y2-24360-00	. PRIMARY PUMP ASS'Y	1
9	98586-05016	. SCREW, panhead	4	18	6E0-28100-00	TOOL ASS'Y	1

Fig. 2 REMOTE CONTROL

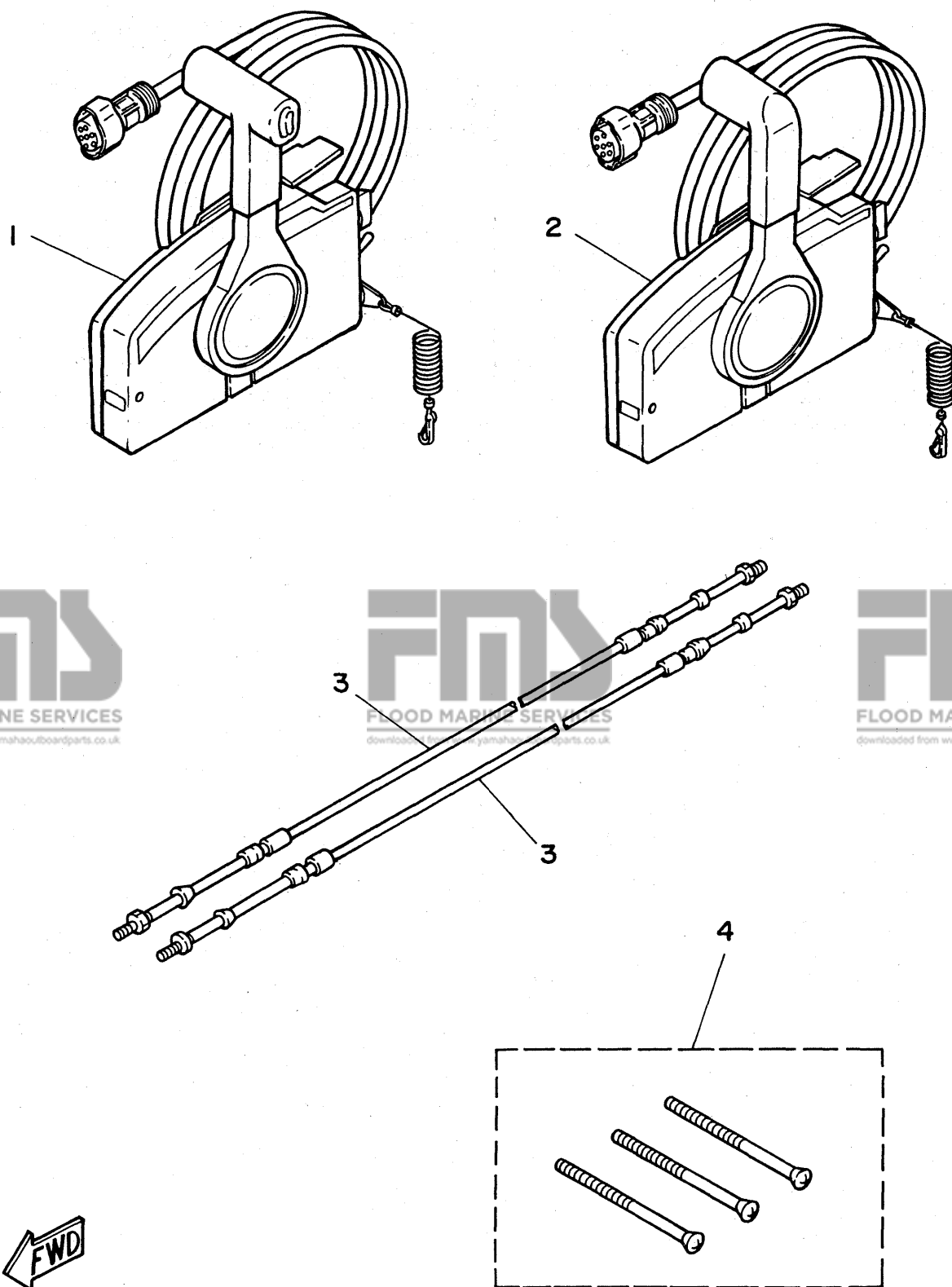


Fig. 2 REMOTE CONTROL

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
▲ 1	703-48205-10	REMOTE CONTROL ASS'Y	1 U.R.	701-48320-20	CABLE, remote control 13F	2 U.R.	
▲ ※	703-48201-10	REMOTE CONTROL ASS'Y (Without Trim & Tilt Switch)	1 U.R.	701-48320-30	CABLE, remote control 14F	2 U.R.	
▲ 2	703-48208-10	REMOTE CONTROL ASS'Y (Twin Lever)	1 U.R.	701-48320-50	CABLE, remote control 15F	2 U.R.	
REMOTE CONTROL CABLE				701-48320-60	CABLE, remote control 16F	2 U.R.	
3	701-48310-10	CABLE, remote control 6F	2 U.R.	701-48320-80	CABLE, remote control 17F	2 U.R.	
	701-48310-20	CABLE, remote control 7F	2 U.R.	701-48320-90	CABLE, remote control 18F	2 U.R.	
	701-48310-40	CABLE, remote control 8F	2 U.R.	701-48320-40	CABLE, remote control 19F	2 U.R.	
	701-48310-60	CABLE, remote control 9F	2 U.R.	701-48320-70	CABLE, remote control 20F	2 U.R.	
	701-48310-80	CABLE, remote control 10F	2 U.R.	701-48350-00	CABLE, remote control 21F	2 U.R.	
	701-48310-90	CABLE, remote control 11F	2 U.R.	701-48350-10	CABLE, remote control 22F	2 U.R.	
	701-48320-00	CABLE, remote control 12F	2 U.R.	701-48350-20	CABLE, remote control 23F	2 U.R.	
				4 703-48290-00	TWIN ATTACHMENT (703 Type)	1	

※ Not shown

▲ See Fig. 3 for detail service parts.

Fig. 3 REMOTE CONTROL ASS'Y

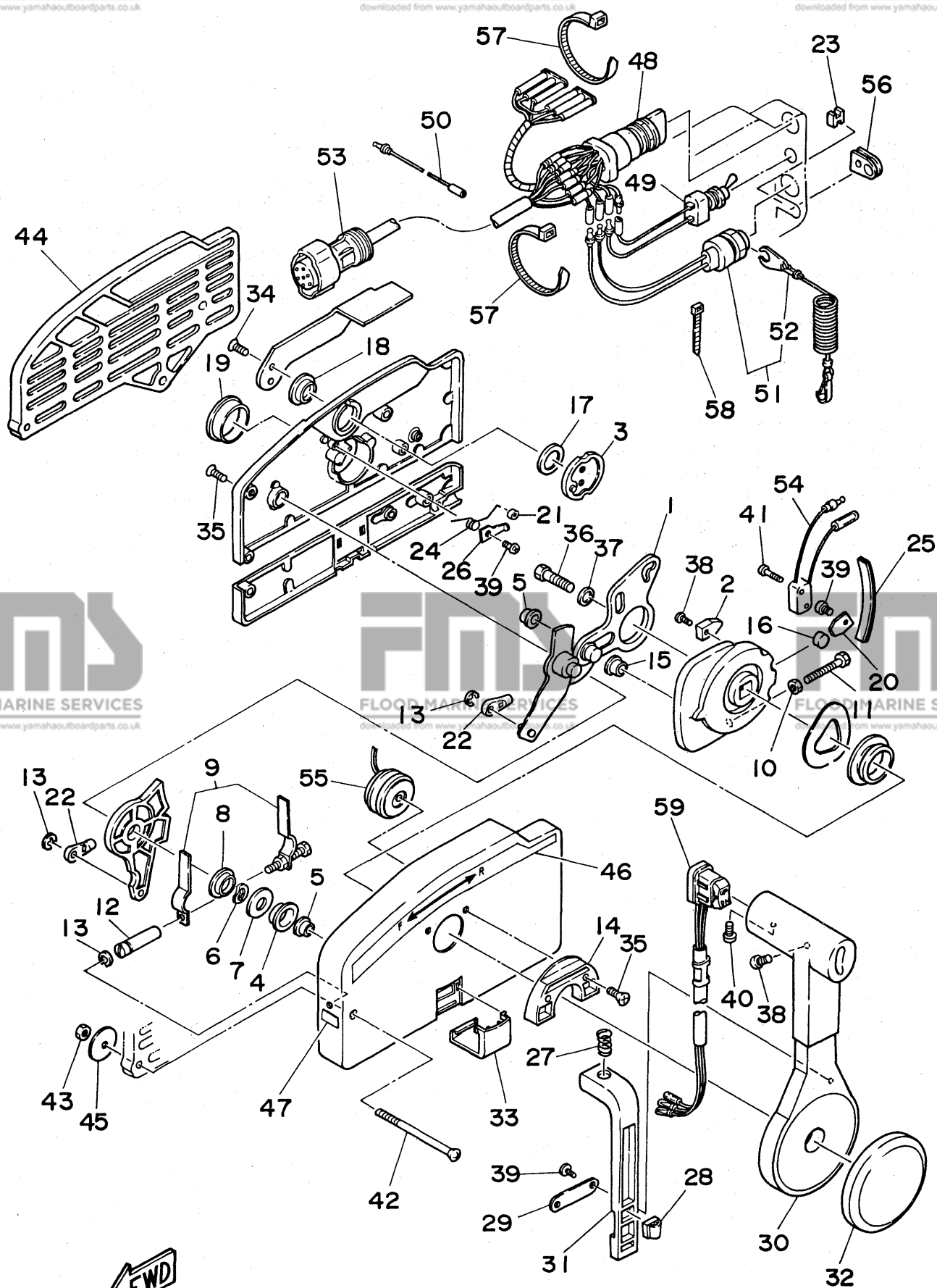


Fig. 3 REMOTE CONTROL ASS'Y

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
※	703-48205-10	REMOTE CONTROL ASS'Y (See Fig. 2, Ref. No. 1)	1	30	703-48222-00	. GRIP, control lever	1 U.R.
※	703-48201-10	REMOTE CONTROL ASS'Y (See Fig. 2, Ref. No. 1)	1	※	703-48222-10	. GRIP, control lever (For Twin Lever)	1 U.R.
※	703-48208-10	REMOTE CONTROL ASS'Y (See Fig. 2, Ref. No. 2)	1	31	703-48223-00	. LOCK, neutral	1
1	703-48261-10	. ARM, throttle	1	32	703-48225-00	. COVER	1
2	703-82554-00	. STAY, neutral switch	1	33	703-48219-00	. COVER, lead	1
3	703-48153-00	. SHAFT, free accel.	1	34	98780-05012	. SCREW	2
4	702-48235-00	. BUSHING 2	1	35	98780-05016	. SCREW	7
5	703-48273-00	. BUSHING 5	2	36	97380-08030	. BOLT	1
6	703-48197-00	. WASHER, wave 2	1	37	92990-08600	. WASHER	1
7	703-48268-00	. SPACER 3	1	38	98580-04010	. SCREW	2
8	703-48263-00	. BUSHING 4	1	39	98580-04006	. SCREW	4
9	703-48264-00	. THROTTLE, friction	1	40	98580-05010	. SCREW	1
10	95380-05600	. NUT	1	41	98580-03015	. SCREW	2
11	97380-05025	. BOLT	1	42	92680-06090	. SCREW	3
12	703-48265-00	. SHAFT, friction	1	43	95380-06600	. NUT	3
13	93430-06024	. CIRCLIP	3	44	703-48293-10	. SPACER, remote control	1 U.R.
14	703-48245-00	. PLATE, lock	1	※	703-48293-00	. SPACER, remote control (For Twin Lever)	3 U.R.
15	703-48252-00	. ROLLER, cam	1	45	701-48287-00	. WASHER	3
16	701-48248-00	. ROLLER, free accel.	1	46	703-48215-00	. GRAPHIC	1
17	703-48198-00	. WASHER, wave 3	1	47	702-48217-00	. MARK 1	1
18	703-48243-00	. BUSHING 3	1	48	703-82510-00	. MAIN SWITCH ASS'Y	1
19	703-48236-00	. BUSHING 1	2	49	703-82574-00	. SWITCH, choke	1
20	703-48189-00	. RETAINER	1	50	703-82531-00	. WIRE, lead	1
21	703-48234-00	. ROLLER, detent	1	51	703-82575-00	. KILL SWITCH ASS'Y	1
22	703-48345-00	. CABLE END, remote control 2	2	52	682-82556-00	. . STOPPER ASS'Y	1
23	703-48358-00	. ANCHOR, cable 2	1	53	688-8258A-20	. EXTENSION, wire harness	1
24	703-48244-00	. SPRING, free accel.	1	54	703-82540-00	. NEUTRAL SWITCH ASS'Y	1
25	703-48238-00	. SPRING, detent	5	55	703-83383-00	. BUZZER	1
26	703-48246-00	. SPACER 1	1	56	703-48284-00	. GROMMET 1	1
27	703-48227-00	. SPRING, neutral lock	1	57	703-82591-00	. BAND	2
28	703-82594-00	. CLAMP	1	58	703-82592-00	. BAND	1
29	703-48226-00	. PLATE, stopper	1	59	703-82536-00	. TRIM & TILT SWITCH ASS'Y	1 U.R.
				※	703-48224-00	. COVER, control lever (Without Trim & Tilt Switch)	1 U.R.

※ Not shown

Fig. 4 STEERING GUIDE ATTACHMENT

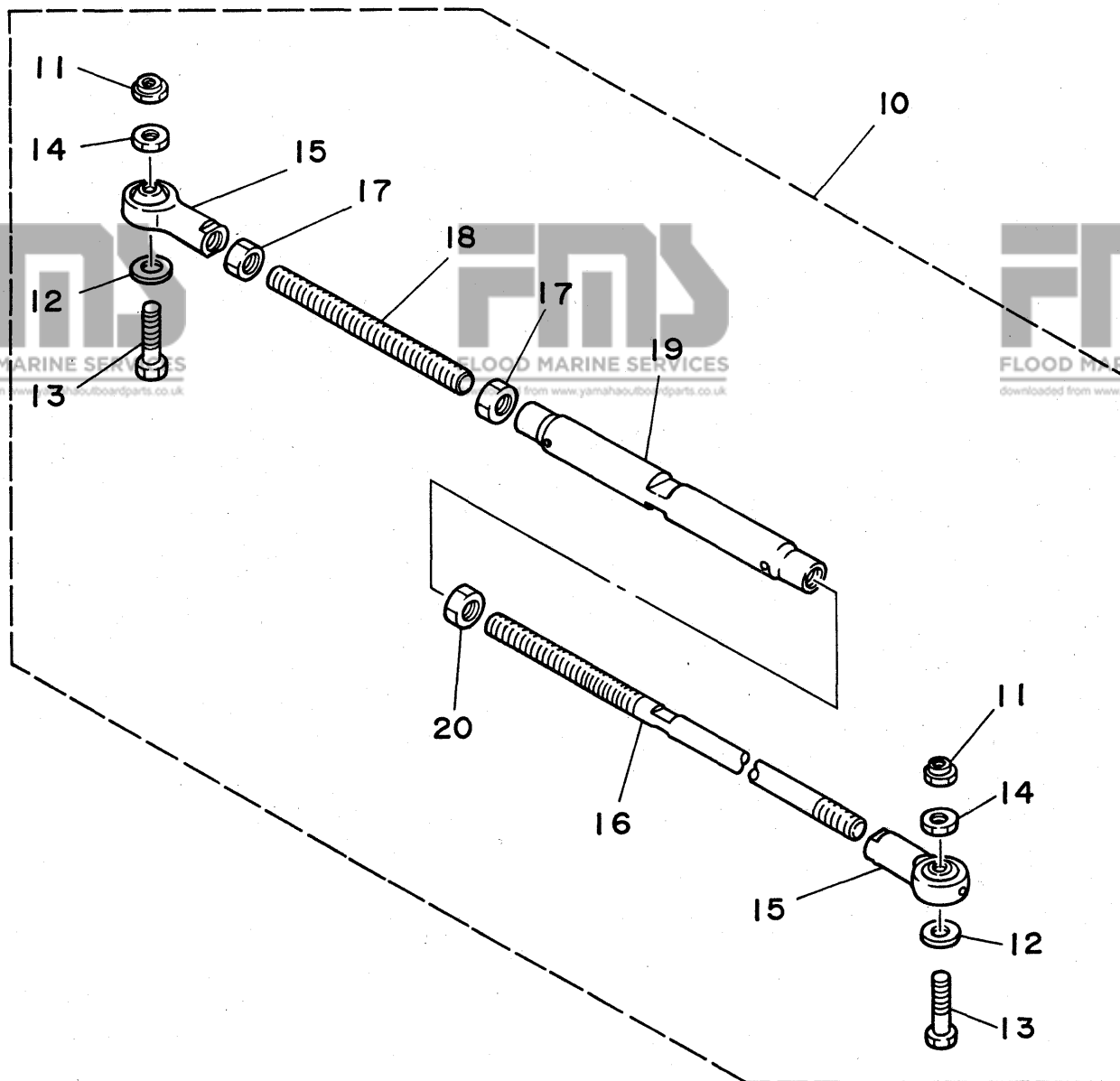
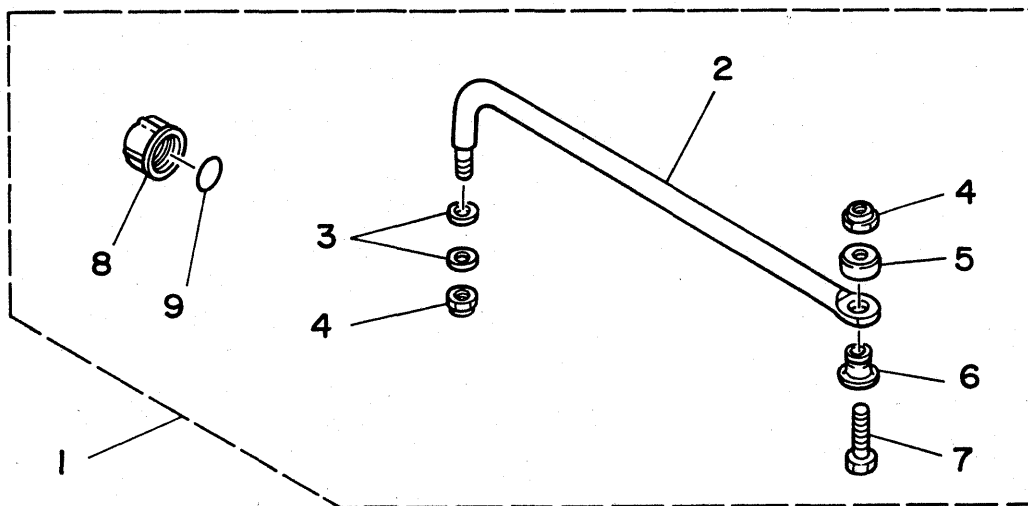


Fig. 4 STEERING GUIDE ATTACHMENT

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E5-61350-01	STEERING GUIDE ATTACHMENT KIT	1	11	90185-09M01	. NUT, self-locking	2
2	6E5-61351-00	. ROD, steering link	1	12	90201-10M20	. WASHER	2
3	90201-10M20	. WASHER	2	13	90101-09M70	. BOLT	2
4	90185-09M01	. NUT, self-locking	2	14	90170-09M05	. NUT	2
5	90560-12M01	. SPACER	1	15	6E5-61303-00	. STEERING EYE COMP.	2
6	90387-10M61	. COLLAR	1	16	6E5-61311-10	. TIE BAR	1
7	90101-09M66	. BOLT	1	17	95380-14700	. NUT	2
8	6E5-43145-00	. CAP, clamp bracket	1	18	6E5-61315-00	. TIE BAR 2	1
9	93210-16275	. O-RING	1	19	6E5-61313-00	. ADJUSTER	1
10	6E5-61301-00	TWIN KIT	1	20	90170-14M06	. NUT	1

Fig. 5 METER I

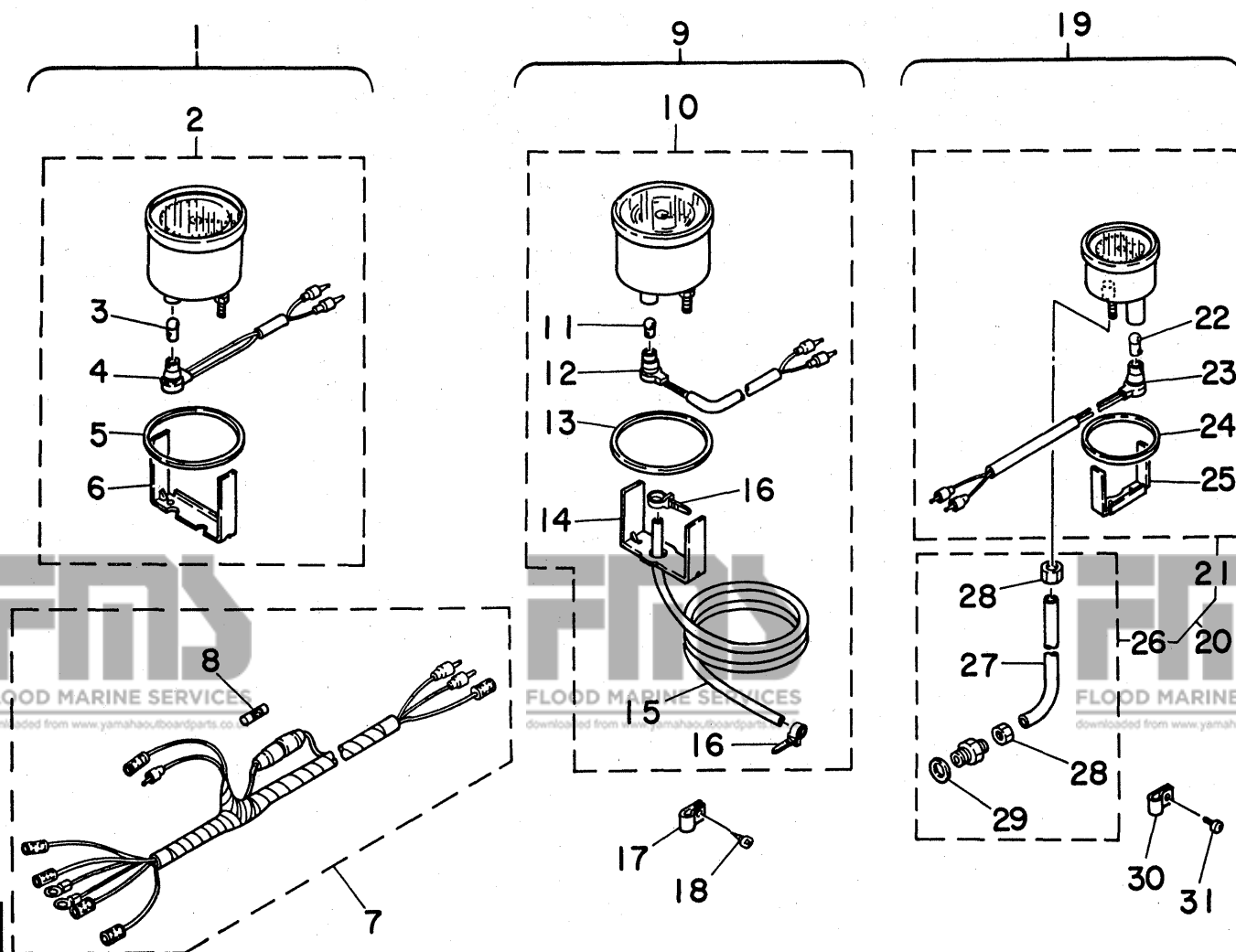


Fig. 5 METER 1

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
TACHOMETER				16	90465-11M10	. . CLAMP	2
1	688-W0080-00	TACHOMETER KIT	1	17	90601-31402	. CLIP, nylon 14	5
2	688-83540-00	. TACHOMETER ASS'Y	1	18	97780-40116	. SCREW, panhead tapping	5
3	688-83516-00	. . BULB (12V-1.7W)	1	WATER PRESSURE METER			
4	688-83536-00	. . SOCKET, meter	1	19	688-W0088-00	WATER PRESSURE METER KIT	1
5	688-83523-00	. . DAMPER	1	20	688-83660-00	. WATER PRESSURE METER ASS'Y	1
6	688-83544-00	. . PLATE, fitting	1	21	688-83661-00	. . WATER PRESSURE GAUGE	1
7	688-83553-10	. WIRE, lead	1	22	688-83516-00	. . . BULB (12V-1.7W)	1
8	1E6-82151-00	. . FUSE (12V-10A)	1	23	688-83536-00	. . . SOCKET, meter	1
SPEEDOMETER				24	688-83664-00	. . . DAMPER	1
9	6E5-W0081-00	SPEEDOMETER KIT	1	25	688-83665-00	. . . PLATE, fitting	1
10	6E5-83510-00	. SPEEDOMETER ASS'Y	1	26	688-83667-00	. . SENDER	1
11	688-83516-00	. . BULB (12V-1.7W)	1	27	688-83666-00	. . . TUBE	1
12	688-83536-00	. . SOCKET, meter	1	28	663-83668-00	. . . NUT, nipple	2
13	688-83523-00	. . DAMPER	1	29	90430-14115	. . . GASKET	1
14	688-83514-00	. . PLATE, fitting	1	30	90601-31402	. CLIP, nylon 14	5
15	688-83557-00	. . TUBE	1	31	97780-40116	. SCREW, panhead tapping	5

Fig. 6 METER 2

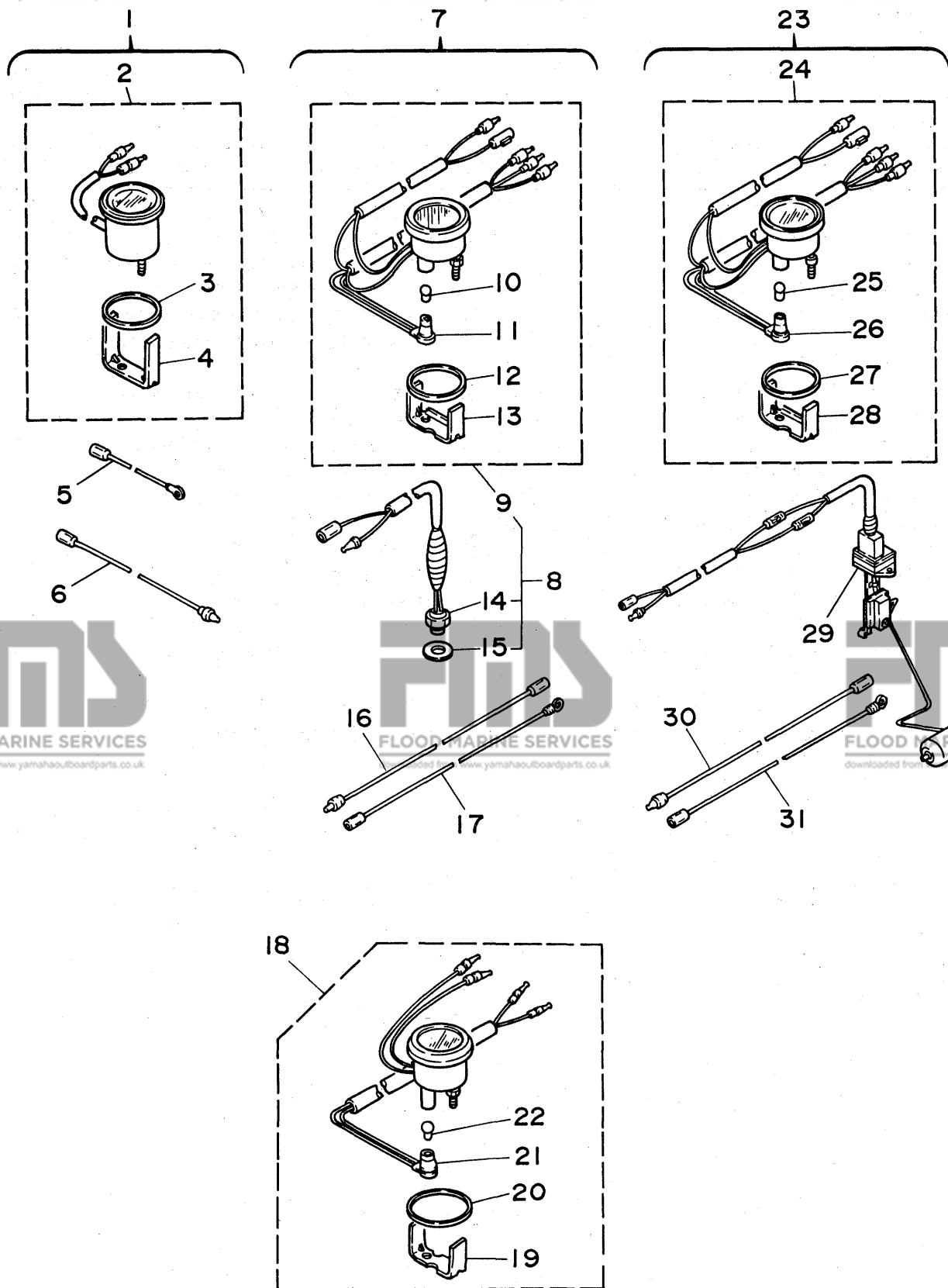


Fig. 6 METER 2

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
HOUR METER				VOLT METER			
1	688-W0088-30	HOUR METER KIT	1	17	663-83553-A0	. WIRE, lead	1
2	688-83504-00	. HOUR METER ASS'Y	1	18	688-83503-00	VOLT METER ASS'Y	1
3	688-83664-00	. . DAMPER	1	19	688-85756-00	. PLATE, fitting	1
4	688-83577-00	. . PLATE, fitting	1	20	688-83664-00	. DAMPER	1
5	663-83553-A0	. WIRE, lead	1	21	688-83536-00	. SOCKET, meter	1
6	663-83553-Y0	. WIRE, lead (Yellow)	1	22	688-83516-00	. BULB (12V-1.7W)	1
WATER TEMPERATURE METER				FUEL METER			
7	688-W0088-10	WATER TEMP. METER KIT	1	23	688-W0088-21	FUEL METER KIT	1
8	688-83590-00	. WATER TEMP. METER ASS'Y	1	24	688-85751-00	. FUEL METER ASS'Y	1
9	688-83594-00	. . WATER TEMP. GAUGE	1	25	688-83516-00	. . BULB (12V-1.7W)	1
10	688-83516-00	. . . BULB (12V-1.7W)	1	26	688-83536-00	. . SOCKET, meter	1
11	688-83536-00	. . . SOCKET, meter	1	27	688-83664-00	. . DAMPER	1
12	688-83664-00	. . . DAMPER	1	28	688-85756-00	. . PLATE, fitting	1
13	688-83665-00	. . . PLATE, fitting	1	29	688-85752-01	. FUEL, sender	1
14	688-83591-00	. . THERMO UNIT	1	30	663-83553-Y0	. WIRE, lead	1
15	90430-14115	. . GASKET	1	31	663-83553-A0	. WIRE, lead	1
16	663-83553-Y0	. WIRE, lead (Yellow)	1				

Fig. 7 OPTIONAL PARTS I

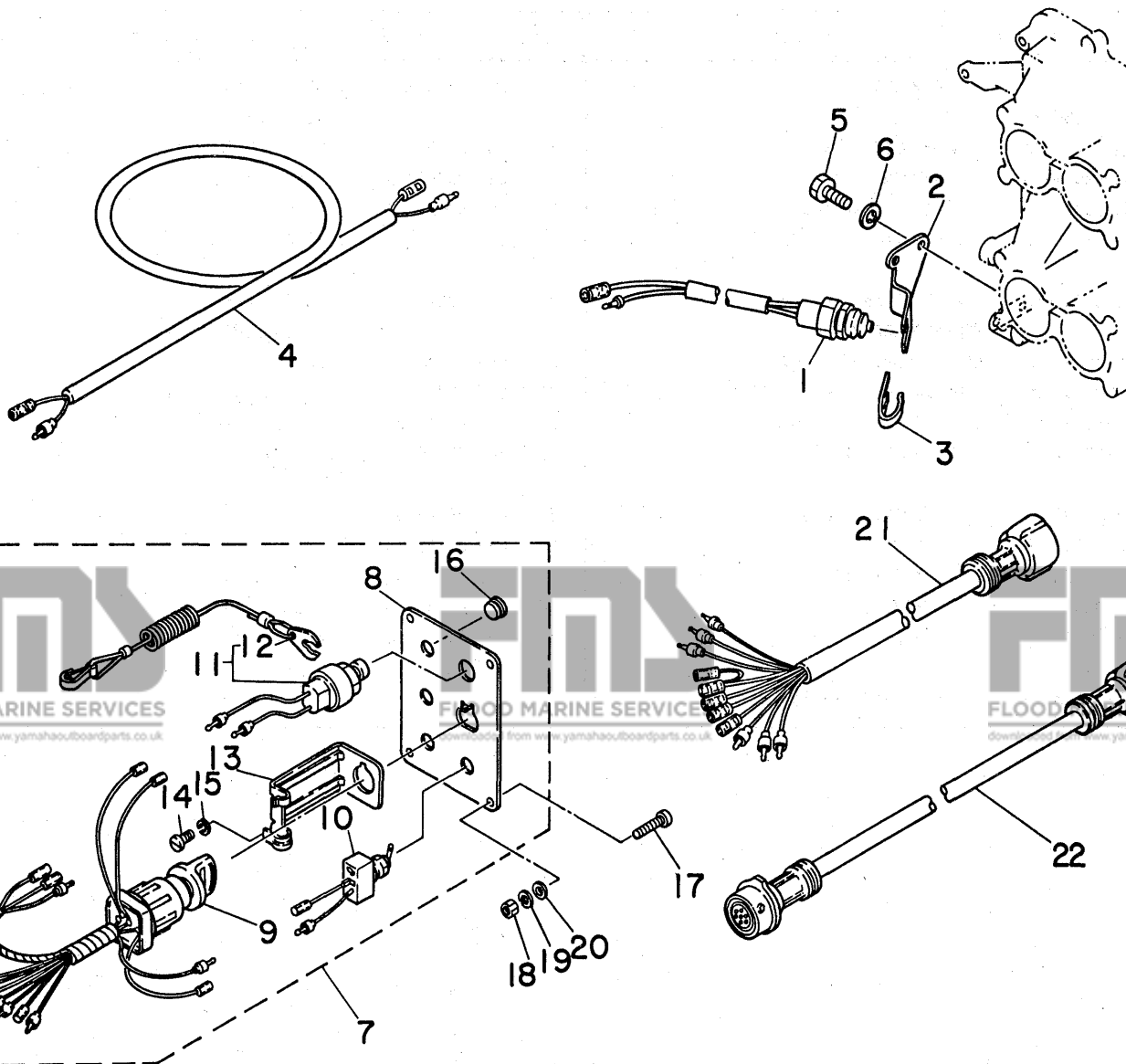


Fig. 7 OPTIONAL PARTS 1

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
NEUTRAL SWITCH (115A/140A MODEL)				13	663-82581-01	. STAY, cord clamp	1
1	688-82540-10	NEUTRAL SWITCH ASS'Y (115A/140A Model)	1	14	98303-04008	. SCREW, cylinderhead	1
2	6E5-82554-00	STAY, neutral switch (115A/140A Model)	1	15	92901-04100	. WASHER	1
3	663-82555-01	PLATE (115A/140A Model)	1	16	688-82535-00	. GROMMET	3
4	688-82541-10	WIRE, lead (115A/140A Model)	1	17	98903-05025	SCREW, bind	4
5	97303-06016	BOLT (115A/140A Model)	2	18	95303-05600	NUT	4
6	92903-06100	WASHER (115A/140A Model)	2	19	92903-05100	WASHER	4
				20	92903-05600	WASHER	4
				EXTENSION WIRE			
7	688-82570-12	SWITCH PANEL ASS'Y	1	21	688-8258A-20	EXTENSION, wire harness (5m) (For 10P Concent)	1
8	688-82571-11	. SWITCH PANEL	1	22	688-8258A-10	EXTENSION, wire harness (2m) (For 10P Concent)	1 U.R.
9	688-82508-10	. MAIN SWITCH ASS'Y	1				
10	688-82574-00	. SWITCH, choke	1	※	688-8258A-30	EXTENSION, wire harness (3m) (For 10P Concent)	1 U.R.
11	688-82575-01	. KILL SWITCH ASS'Y	1				
12	682-82556-00	. . STOPPER ASS'Y	1				

※ Not shown

Fig. 8 OPTIONAL PARTS 2

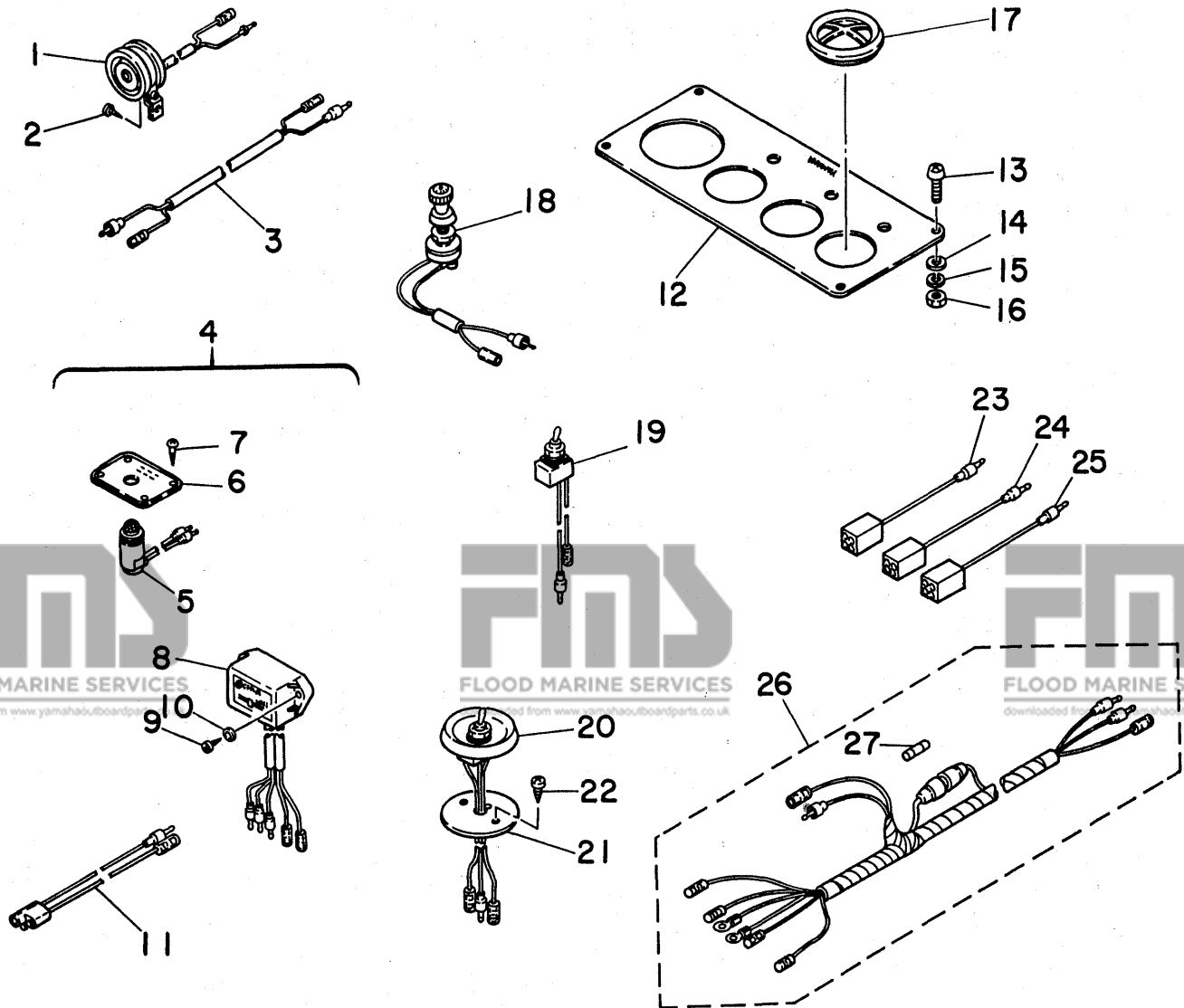


Fig. 8 OPTIONAL PARTS 2

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
		OVERHEAT BUZZER					
1	688-83383-10	BUZZER	1	15	92903-05100	WASHER	4
2	97780-50112	SCREW, panhead tapping	1	16	95303-05600	NUT	4
3	688-83373-10	LEAD, horn	1	17	688-83559-00	COVER, meter	1 U.N.
		CHARGE WARNING LAMP				LAMP SWITCH	
4	688-W0088-40	PILOT LAMP KIT	1	18	688-82520-00	LAMP SWITCH ASS'Y	1 U.R.
5	663-84301-00	. PILOT LAMP ASS'Y	1	19	688-82526-00	SWITCH, lamp	1 U.R.
						POWER TRIM & TILT SWITCH	
6	663-84309-00	. PLATE, set	1	20	688-82563-10	TRIM & TILT SWITCH	
7	95428-31316	. SCREW, roundhead wood	4			(Circular Switch Type)	1
8	697-81901-60	. CHARGE WARNING UNIT ASS'Y	1	21	688-82388-00	PLATE	1
9	97780-60120	. SCREW, panhead tapping	2	22	97780-40116	SCREW, panhead tapping	2
10	92903-06600	. WASHER	2			LEAD WIRE	
11	663-82521-09	. WIRE, lead	1	23	688-82149-00	WIRE, lead (Blue)	1 U.R.
		METER PANEL		24	688-82117-00	WIRE, lead (Black)	1 U.R.
12	688-83611-00	PANEL, meter	1	25	688-82521-00	WIRE, lead (Yellow)	1 U.R.
13	98903-05025	SCREW, bind	4	26	688-83553-10	WIRE, lead	1
14	92903-05600	WASHER	4	27	1E6-82151-00	. FUSE (12V-10A)	1

Fig. 9 OPTIONAL PARTS 3

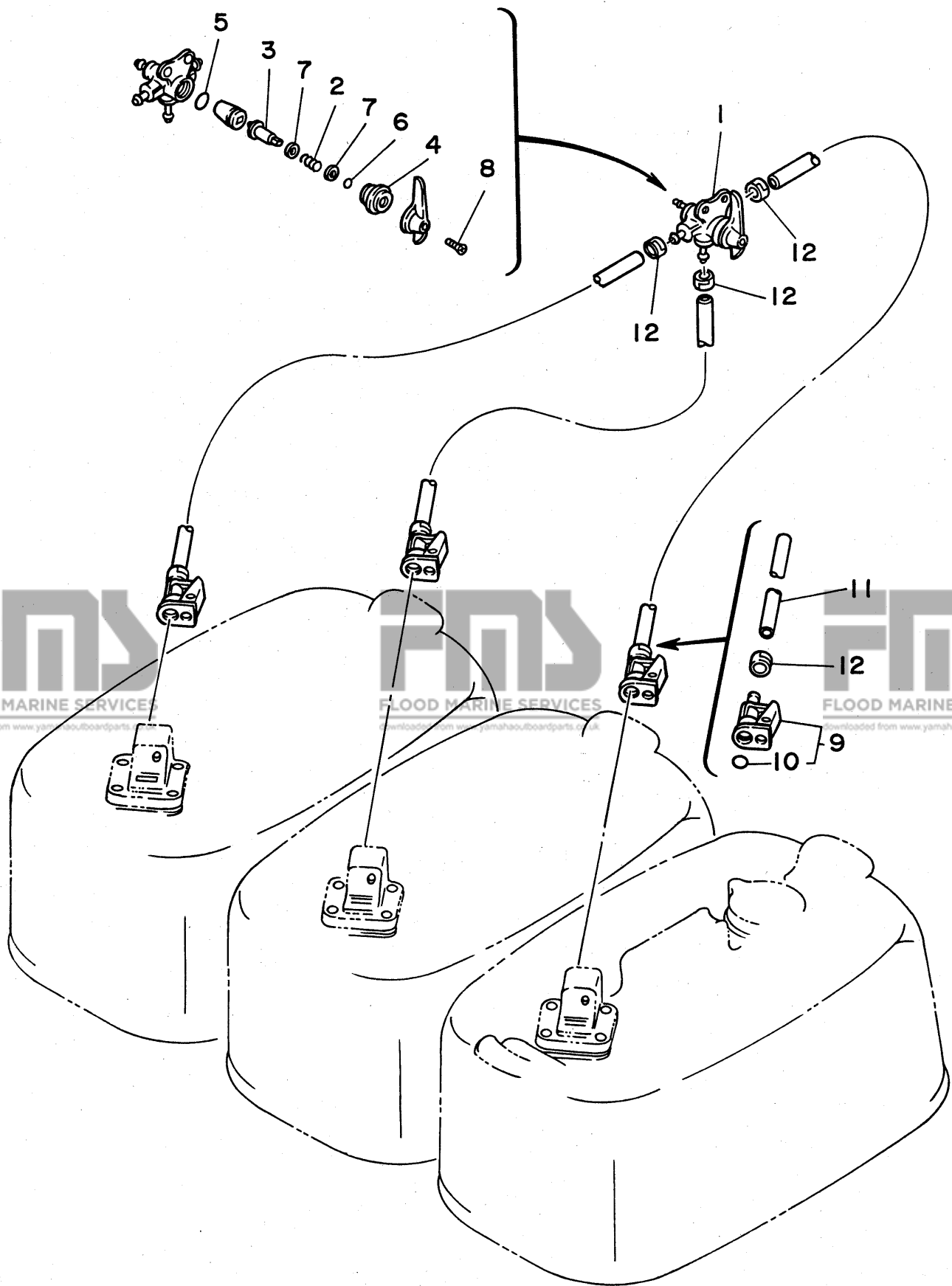


Fig. 9 OPTIONAL PARTS 3

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
FOUR WAY FUEL COCK				7	90201-08M32	. WASHER	2
1	6E5-24540-00	FUEL COCK ASS'Y	1	8	98680-04016	. SCREW, ovalhead	1
2	90501-12M13	. SPRING, compression	1	FUEL PIPE JOINT			
3	688-24554-00	. CONNECTOR	1	9	6E5-24305-00	FUEL PIPE JOINT COMP. 2	3
4	688-24559-00	. NUT	1	10	93210-08287	. O-RING	3
5	93210-20M28	. O-RING	1	11	90445-13M32	HOSE	3
6	93210-08M27	. O-RING	1	12	6E5-24351-00	BAND, fuel pipe	6

NUMERICAL INDEX

NUMERICAL INDEX

Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.
1E6-82151-00	A.P. 5- 8 8-27	6E5-11193-01	115-140 22-21 22-36	6E5-13200-00	115-140 19- 1	6E5-14383-00	115-140 4-15
1E6-82151-00	220A 9-11	6E5-11325-00	220A 1-10	6E5-13552-00	220A 3-19	6E5-14383-00	150-200 4-16
1E6-82151-00	115-140 9-11	6E5-11325-00	115-140 1-10	6E5-13552-00	115-140 3-19	6E5-14384-01	115-140 22- 5
1E6-82151-00	150-200 9-11	6E5-11325-00	150-200 1-10	6E5-13552-02	150-200 3-19	6E5-14384-01	150-200 4- 6
1J2-14397-00	115-140 22-13	6E5-11370-00	115-140 3-18	6E5-13610-00	220A 3-28	6E5-14384-02	220A 4- 6
1J2-14398-00	220A 4-11	6E5-11371-00-9M	220A 1-17	6E5-13610-00	115-140 3-27		22-26
	22-27	6E5-11371-00-9M	115-140 1-17	6E5-13610-00	150-200 3-28	6E5-14384-02	115-140 4- 5
1J2-14398-00	115-140 4-10	6E5-11371-00-9M	150-200 1-17	6E5-13621-00	220A 3-30		22-47
	22- 8	6E5-11372-00	115-140 1- 5	6E5-13621-00	115-140 3-29	6E5-14384-02	150-200 21-26
1J2-14398-00	150-200 4-11	6E5-11375-00	220A 3-18		22-41	6E5-14385-00	220A 4- 7
	21-27	6E5-11375-00	150-200 3-18	6E5-13621-00	150-200 3-30		22-25
367-14195-00	220A 4-25	6E5-11381-00	220A 1-18		21-17	6E5-14385-00	115-140 4- 6
	22-23		22- 2	6E5-13641-10-94	115-140 3-16		22- 6
367-14195-00	115-140 4-24	6E5-11381-00	115-140 1-18	6E5-13645-00	115-140 3-26	6E5-14385-00	150-200 4- 7
	22-14		22-19		22-42		21-25
367-14195-00	150-200 4-25		22-34	6E5-13645-00	150-200 21-16	6E5-14386-01	220A 4- 8
	21-23	6E5-11381-00	150-200 1-18	6E5-14198-00	220A 3-13		22-24
6A0-24421-01	220A 5-26		21- 2		22-15	6E5-14386-01	115-140 4- 7
6A0-24421-01	115-140 5-25	6E5-11411-01	115-140 2- 7		22-21		22- 7
6A0-24421-01	150-200 5-26	6E5-11447-00	220A 2- 8	6E5-14198-00	115-140 3-13	6E5-14386-01	150-200 4- 8
6A0-82317-00	220A 20-22	6E5-11447-00	115-140 2- 8		22- 3		21-24
	20-28	6E5-11447-00	150-200 2- 8		22-18	6E5-14390-20	220A 4-13
6A0-82317-00	115-140 20-22	6E5-11536-00	220A 19-10		22-43		22-22
	20-28	6E5-11536-00	115-140 19- 8	6E5-14198-00	150-200 3-13	6E5-14390-20	115-140 4-12
6A0-82317-00	150-200 19-22	6E5-11536-00	150-200 18-10		21-15		22- 9
	19-28	6E5-11537-00	220A 19-11		21-21	6E5-14390-20	150-200 4-13
6E0-28100-00	A.P. 1-18	6E5-11537-00	115-140 19- 9	6E5-14276-00	220A 19-17		21-22
6E3-82370-20	220A 18- 8	6E5-11537-00	150-200 18-11	6E5-14276-00	115-140 19-15	6E5-14398-00	220A 4-17
6E5-W0001-01	115-140 1-52	6E5-11610-01	220A 2-14	6E5-14276-00	150-200 18-17		22-28
	22-15	6E5-11610-01	115-140 2-14	6E5-14301-02	115-140 4- 1	6E5-14398-00	115-140 4-16
6E5-W0001-20	115-140 13-68	6E5-11610-01	150-200 2-14	6E5-14302-02	115-140 4- 2		22-10
	22-48	6E5-11610-11	220A 2-14	6E5-14302-02	115-140 4- 2	6E5-14398-00	150-200 4-17
6E5-W0004-00	220A 3-29	6E5-11610-11	115-140 2-14	6E5-14323-00	115-140 22-11		21-28
6E5-W0004-00	115-140 3-28	6E5-11610-11	150-200 2-14	6E5-14323-00	150-200 21-32	6E5-1441K-00	115-140 3- 2
6E5-W0004-00	150-200 3-29	6E5-11610-21	220A 2-14	6E5-14323-01	115-140 4-19	6E5-14416-00	115-140 3- 3
6E5-W0070-E0	115-140 6- 2	6E5-11610-21	115-140 2-14	6E5-14337-45	150-200 4-15		22-16
6E5-W0078-OA	115-140 13-70	6E5-11610-21	150-200 2-14	6E5-14337-65	150-200 4-15		22-45
6E5-W0078-00	115-140 13-69	6E5-11633-01	220A 2-15	6E5-14337-70	115-140 4-14	6E5-14417-01-98	115-140 3- 6
	22-82	6E5-11633-01	115-140 2-15	6E5-14337-80	115-140 4-14	6E5-14418-00	115-140 3- 1
6E5-W0081-00	A.P. 5- 9	6E5-11633-01	150-200 2-15	6E5-14337-80	150-200 4-15	6E5-14483-00	115-140 3-10
6E5-W0090-10-EJ	115-140 1- 1	6E5-11634-00	220A 2-16	6E5-14337-95	220A 4-15		22- 2
6E5-W0093-01	115-140 4-26	6E5-11634-00	115-140 2-16	6E5-14341-02	115-140 4- 8		22-17
	22- 1	6E5-11634-00	150-200 2-16	6E5-14343-63	150-200 4-10		22-44
6E5-11111-00-94	115-140 1-26	6E5-11634-00	220A 2-19	6E5-14343-78	150-200 4-10	6E5-14485-00	220A 3- 8
6E5-11119-00	220A 1-14	6E5-11650-01	115-140 2-19	6E5-14343-83	220A 4-10	6E5-14485-00	115-140 3- 8
6E5-11119-00	115-140 1-14	6E5-11650-01	150-200 2-19	6E5-14343-83	115-140 4- 9	6E5-14485-00	150-200 3- 8
6E5-11119-00	150-200 1-14	6E5-12411-00	220A 1-36	6E5-14343-88	115-140 4- 9	6E5-14711-00-9M	220A 11-12
6E5-11181-02	115-140 1-27	6E5-12411-00	115-140 1-36	6E5-14347-25	115-140 4-13	6E5-14711-00-9M	115-140 12-12
	22-20	6E5-12411-00	150-200 1-36	6E5-14347-25	150-200 4-14	6E5-14711-00-9M	150-200 11-12
	22-35	6E5-13117-00	220A 19-12	6E5-14347-30	220A 4-14	6E5-14737-00	220A 11-17
6E5-11191-00-9M	115-140 1-29	6E5-13117-00	115-140 19-10	6E5-14347-30	150-200 4-14	6E5-14737-00	115-140 12-17
6E5-11193-01	115-140 1-30	6E5-13117-00	150-200 18-12	6E5-14381-02	115-140 4- 3	6E5-14737-00	150-200 11-17
				6E5-14383-00	220A 4-16	6E5-15100-02-94	115-140 1- 2

NUMERICAL INDEX

Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.
6E5-15163-00-94	220A 2- 1	6E5-24367-10	115-140 7-34	6E5-41211-00	115-140 11-30	6E5-42716-00	220A 7-22
6E5-15163-00-94	115-140 2- 1	6E5-24367-10	150-200 7-34	6E5-41213-00	115-140 11-33	6E5-42716-00	115-140 7-22
6E5-15163-00-94	150-200 2- 1	6E5-24378-00	220A 5-33	6E5-41214-00	220A 10- 8	6E5-42716-00	150-200 7-22
6E5-21708-00	220A 20- 1	6E5-24378-00	150-200 5-33	6E5-41214-00	115-140 11- 8	6E5-42724-00	220A 11-11
6E5-21708-00	115-140 20- 1	6E5-24379-00	220A 20-11	6E5-41214-00	150-200 10- 8	6E5-42724-00	115-140 12-11
6E5-21708-00	150-200 19- 1		20-34	6E5-41217-00	115-140 3-36	6E5-42724-00	150-200 11-11
6E5-21734-00-33	220A 20-16	6E5-24379-00	115-140 20-11	6E5-41241-00	220A 19-14	6E5-42725-00	150-200 7-12
6E5-21734-00-33	115-140 20-16		20-33	6E5-41241-00	115-140 19-12	6E5-42725-10	220A 7-12
6E5-21734-00-33	150-200 19-16	6E5-24379-00	150-200 19-11	6E5-41241-00	150-200 18-14	6E5-42725-10	115-140 7-12
6E5-21746-00	220A 20-18		19-33	6E5-41256-00	220A 3-37	6E5-42738-00-94	220A 7-13
6E5-21746-00	115-140 20-18	6E5-24410-00	220A 5-16	6E5-41256-00	115-140 3-35	6E5-42738-00-94	115-140 7-13
6E5-21746-00	150-200 19-18	6E5-24410-00	115-140 5-15	6E5-41256-00	150-200 3-37	6E5-42738-00-94	150-200 7-13
6E5-21750-00	220A 20-21	6E5-24410-00	150-200 5-16	6E5-41271-00	220A 3-34	6E5-42741-00-EJ	115-140 7-20
6E5-21750-00	115-140 20-21	6E5-24411-00	220A 5-22	6E5-41271-00	115-140 3-32	6E5-42741-00-EJ	150-200 7-20
6E5-21750-00	150-200 19-21	6E5-24411-00	115-140 5-21	6E5-41271-00	150-200 3-34	6E5-42741-00-EK	220A 7-20
6E5-21770-00	220A 20- 2	6E5-24411-00	150-200 5-22	6E5-41631-00-94	115-140 11-12	6E5-42761-00-94	220A 1-21
6E5-21770-00	115-140 20- 2	6E5-24413-00	220A 5-19	6E5-41632-00-94	115-140 11- 6	6E5-42761-00-94	115-140 1-21
6E5-21770-00	150-200 19- 2	6E5-24413-00	115-140 5-18	6E5-41636-00	115-140 11-24	6E5-42761-00-94	150-200 1-21
6E5-21798-00-33	220A 20-17	6E5-24413-00	150-200 5-19	6E5-41655-00	220A 10- 7	6E5-42762-00-94	220A 1-22
6E5-21798-00-33	115-140 20-17	6E5-24423-00	220A 5-24	6E5-41655-00	115-140 11- 7	6E5-42762-00-94	115-140 1-22
6E5-21798-00-33	150-200 19-17	6E5-24423-00	115-140 5-23	6E5-41655-00	150-200 10- 7	6E5-42762-00-94	150-200 1-22
6E5-24304-00-94	220A 5- 1	6E5-24423-00	150-200 5-24	6E5-42510-00-EJ	115-140 8-38	6E5-42769-00	220A 11-30
6E5-24304-00-94	115-140 5- 1	6E5-24434-00	220A 5-25	6E5-42510-00-EJ	150-200 8-38	6E5-42769-00	115-140 12-30
6E5-24304-00-94	150-200 5- 1	6E5-24434-00	115-140 5-24	6E5-42510-00-EK	220A 8-38	6E5-42769-00	150-200 11-30
6E5-24305-00	A.P. 1-11	6E5-24434-00	150-200 5-25	6E5-42510-20-EJ	115-140 8-38	6E5-42771-00-EJ	115-140 7-21
	9- 9	6E5-24435-00	220A 5-21	6E5-42510-20-EJ	150-200 8-38	6E5-42771-00-EJ	150-200 7-21
6E5-24312-00	220A 1-45	6E5-24435-00	115-140 5-20	6E5-42510-20-EK	220A 8-38	6E5-42771-00-EK	220A 7-21
6E5-24312-00	115-140 1-45	6E5-24435-00	150-200 5-21	6E5-42542-00	115-140 15-27	6E5-42816-01	220A 7-10
6E5-24312-00	150-200 1-45	6E5-24471-00	220A 5-20	6E5-42610-G0-EJ	115-140 6- 1	6E5-42816-01	115-140 7-10
6E5-24313-00	115-140 5- 3	6E5-24471-00	115-140 5-19	6E5-42613-00-EJ	115-140 6- 9	6E5-42816-01	150-200 7-10
6E5-24314-00	115-140 5-14	6E5-24471-00	150-200 5-20	6E5-42615-00	220A 6-12	6E5-42817-00-EJ	115-140 7- 8
6E5-24315-00	220A 5-32	6E5-24540-00	A.P. 9- 1	6E5-42615-00	115-140 6-12	6E5-42817-00-EJ	150-200 7- 8
6E5-24315-00	150-200 5-32	6E5-24560-00	220A 5- 6	6E5-42615-00	150-200 6-12	6E5-42817-00-EK	220A 7- 8
6E5-24316-00	220A 5-34	6E5-24560-00	115-140 5- 5	6E5-42617-00	220A 6-22	6E5-43111-00-EJ	115-140 8- 1
6E5-24316-00	150-200 5-34	6E5-24560-00	150-200 5- 6	6E5-42617-00	115-140 6-22	6E5-43111-00-EJ	150-200 8- 1
6E5-24318-00	220A 20- 3	6E5-24566-00	115-140 5-10	6E5-42617-00	150-200 6-22	6E5-43111-00-EK	220A 8- 1
6E5-24318-00	115-140 20- 3	6E5-41111-00-9M	115-140 1-41	6E5-42619-00	115-140 6-23	6E5-43112-00-EJ	115-140 8- 5
6E5-24318-00	150-200 19- 3	6E5-41112-00	115-140 1-42	6E5-42627-00	115-140 6-24	6E5-43112-00-EJ	150-200 8- 5
6E5-24319-00	220A 20- 6		22-23	6E5-42647-00-94	220A 6-13	6E5-43112-00-EK	220A 8- 5
6E5-24319-00	115-140 20- 6		22-38	6E5-42647-00-94	115-140 6-13	6E5-43124-00	115-140 10-27
6E5-24319-00	150-200 19- 6	6E5-41113-00-9M	115-140 1-43	6E5-42647-00-94	150-200 6-13	6E5-43126-00	220A 8-35
6E5-24321-00	220A 20-10	6E5-41131-00-9M	115-140 12- 5	6E5-42649-01-94	220A 6-14	6E5-43126-00	115-140 8-35
6E5-24321-00	115-140 20-10	6E5-41132-00-9M	115-140 12- 6	6E5-42649-01-94	115-140 6-14	6E5-43126-00	150-200 8-35
6E5-24321-00	150-200 19-10	6E5-41134-00	115-140 12- 7	6E5-42649-01-94	150-200 6-14	6E5-43128-00-EJ	115-140 10- 1
6E5-24323-00	220A 20-33		22-49	6E5-42652-00	220A 6-19	6E5-43131-00	220A 8-11
6E5-24323-00	115-140 20-32	6E5-41135-00	220A 11-14	6E5-42652-00	115-140 6-19	6E5-43131-00	115-140 8-11
6E5-24323-00	150-200 19-32		22-37	6E5-42652-00	150-200 6-19	6E5-43131-00	150-200 8-11
6E5-24351-00	A.P. 1-15	6E5-41135-00	115-140 12-14	6E5-42678-E0	115-140 6- 8	6E5-43145-00	A.P. 4- 8
	9-12		22-52	6E5-42686-01	115-140 6- 6	6E5-43160-00	115-140 8-16
6E5-24367-00	150-200 7-30		22-68	6E5-42687-01	115-140 6- 7	6E5-43160-01	150-200 8-16
6E5-24367-01	220A 7-30	6E5-41135-00	150-200 11-14	6E5-42711-10-EJ	115-140 7- 1	6E5-43160-10	220A 8-16
6E5-24367-01	115-140 7-30		21-37	6E5-42711-10-EJ	150-200 7- 1	6E5-43160-10	115-140 8-16
6E5-24367-10	220A 7-34	6E5-41137-01-94	115-140 12- 4	6E5-42711-10-EK	220A 7- 1	6E5-43170-00-EJ	115-140 10-29

NUMERICAL INDEX

Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.
6E5-43181-00	220A 8-27	6E5-43825-00	220A 21-16	6E5-44315-00	150-200 12-20	6E5-44551-00-EK	220A 8-42
6E5-43181-00	115-140 8-27	6E5-43825-00	115-140 21-16		21-46	6E5-44552-00-EJ	115-140 8-53
6E5-43181-00	150-200 8-27	6E5-43825-00	150-200 20-16		21-57	6E5-44552-00-EJ	150-200 8-53
6E5-43185-00	220A 8-28	6E5-43833-00	220A 21-59	6E5-44322-00	220A 12-15	6E5-44552-00-EK	220A 8-53
6E5-43185-00	115-140 8-28	6E5-43833-00	115-140 21-59		22-52	6E5-44553-00-EJ	115-140 8-56
6E5-43185-00	150-200 8-28	6E5-43833-00	150-200 20-59	6E5-44322-00	115-140 13-15	6E5-44553-00-EJ	150-200 8-56
6E5-43311-A0-EJ	115-140 8-20	6E5-43834-00	220A 21-60		22-83	6E5-44553-00-EK	220A 8-56
6E5-43311-E0-EJ	115-140 8-20	6E5-43834-00	115-140 21-60	6E5-44322-00	150-200 12-15	6E5-44555-00-94	115-140 8-45
6E5-43311-01-EJ	115-140 8-20	6E5-43834-00	150-200 20-60		21-52	6E5-44575-00	220A 8-44
6E5-43311-01-EJ	150-200 8-20	6E5-43849-00	220A 21-50	6E5-44322-41	220A 12-71	6E5-44575-00	115-140 8-44
6E5-43311-01-EK	220A 8-20	6E5-43849-00	115-140 21-50	6E5-44322-41	115-140 13-71	6E5-44575-00	150-200 8-44
6E5-43311-21-EJ	115-140 8-20	6E5-43849-00	150-200 20-50	6E5-44322-41	150-200 12-71	6E5-45111-00-EK	220A 11- 1
6E5-43311-21-EJ	150-200 8-20	6E5-43850-00	220A 21-53	6E5-44323-00	115-140 13-19	6E5-45111-01-EJ	115-140 12- 1
6E5-43311-21-EK	220A 8-20	6E5-43850-00	115-140 21-53		22-87	6E5-45111-01-EJ	150-200 11- 1
6E5-43317-00	115-140 10-20	6E5-43850-00	150-200 20-53	6E5-44323-40	115-140 13-72	6E5-45111-20-EJ	115-140 12- 1
6E5-43376-00	220A 9- 2	6E5-43854-00	220A 21-51	6E5-44352-00	220A 12-18	6E5-45111-20-EJ	150-200 11- 1
6E5-43376-00	115-140 9- 2	6E5-43854-00	115-140 21-51		22-55	6E5-45111-20-EK	220A 11- 1
6E5-43376-00	150-200 9- 2	6E5-43854-00	150-200 20-51	6E5-44352-00	115-140 13-18	6E5-45113-00	115-140 22-29
6E5-43613-00	115-140 10- 3	6E5-43874-00	220A 21-35		22-86	6E5-45113-02	115-140 12-27
6E5-43614-00	115-140 10- 4	6E5-43874-00	115-140 21-35	6E5-44352-00	150-200 12-18	6E5-45114-00	115-140 12- 8
6E5-43615-00	115-140 10- 5	6E5-43874-00	150-200 20-35		21-55		22-50
6E5-43616-00	115-140 10-26	6E5-44117-00-EJ	115-140 11-37	6E5-44361-00	220A 13-17	6E5-45123-00	220A 11-13
6E5-43630-00	115-140 10-15	6E5-44117-00-EJ	150-200 10-37	6E5-44361-00	115-140 14-17		22-39
6E5-43659-00	115-140 10-10	6E5-44117-00-EK	220A 10-27	6E5-44361-00	150-200 13-17	6E5-45123-00	115-140 12-13
6E5-43676-00	115-140 10-25	6E5-44118-00-EJ	115-140 11-45	6E5-44361-20	220A 13-17		22-51
6E5-43679-00	115-140 10-13	6E5-44118-00-EJ	150-200 10-45	6E5-44361-20	115-140 14-17		22-70
6E5-43800-01-EJ	115-140 9- 1	6E5-44118-00-EK	220A 10-35	6E5-44361-20	150-200 13-17	6E5-45123-00	150-200 11-13
	21- 1	6E5-44120-01	220A 10-41	6E5-44365-00	220A 13-14		21-39
6E5-43800-01-EJ	150-200 9- 1	6E5-44120-01	115-140 11-51		13-18	6E5-45155-00	220A 11- 2
	20- 1	6E5-44120-01	150-200 10-51		22-40	6E5-45155-00	115-140 12- 2
6E5-43800-01-EK	220A 9- 1	6E5-44120-21	220A 10-41	6E5-44365-00	115-140 14-14	6E5-45155-00	150-200 11- 2
	21- 1	6E5-44120-21	115-140 11-51		14-18	6E5-45251-00	220A 8- 2
6E5-43810-01	220A 21-26	6E5-44120-21	150-200 10-51		22-53	6E5-45251-00	115-140 8- 2
6E5-43810-01	115-140 21-26	6E5-44121-00	220A 10-30		22-71	6E5-45251-00	150-200 8- 2
6E5-43810-01	150-200 20-26	6E5-44121-00	115-140 11-40	6E5-44365-00	150-200 13-14	6E5-45300-11-EJ	115-140 13- 1
6E5-43813-00	220A 21-25	6E5-44121-00	150-200 10-40		13-18	6E5-45300-21-EJ	115-140 13- 1
6E5-43813-00	115-140 21-25	6E5-44122-00	220A 10-31		21-40	6E5-45301-01-EJ	115-140 13- 2
6E5-43813-00	150-200 20-25	6E5-44122-00	115-140 11-41	6E5-44366-00	220A 13-16	6E5-45318-00	220A 11-34
6E5-43814-00	220A 21-30	6E5-44122-00	150-200 10-41		22-41	6E5-45318-00	115-140 12-33
6E5-43814-00	115-140 21-30	6E5-44150-00	115-140 13-11	6E5-44366-00	115-140 14-16	6E5-45318-00	150-200 11-34
6E5-43814-00	150-200 20-30	6E5-44311-00	220A 12-14		22-54	6E5-45321-00	220A 12- 6
6E5-43818-00	220A 21-62	6E5-44311-00	115-140 13-14		22-72	6E5-45321-00	115-140 13- 6
6E5-43818-00	115-140 21-62	6E5-44311-00	150-200 12-14	6E5-44366-00	150-200 13-16	6E5-45321-00	150-200 12- 6
6E5-43818-00	150-200 20-62	6E5-44312-00	220A 13-15		21-41	6E5-45331-00-94	220A 12-26
6E5-43820-01	220A 21-31	6E5-44312-00	115-140 14-15	6E5-44391-00	220A 7-11	6E5-45331-00-94	115-140 13-26
6E5-43820-01	115-140 21-31	6E5-44312-00	150-200 13-15	6E5-44391-00	115-140 7-11	6E5-45331-00-94	150-200 12-26
6E5-43820-01	150-200 20-31	6E5-44315-00	220A 12-20	6E5-44391-00	150-200 7-11	6E5-45332-00-94	115-140 13-59
6E5-43821-00	220A 21-32		22-46	6E5-44511-00-EJ	115-140 8-67	6E5-45344-00	220A 12-32
6E5-43821-00	115-140 21-32		22-57	6E5-44511-00-EJ	150-200 8-67	6E5-45344-00	115-140 13-32
6E5-43821-00	150-200 20-32	6E5-44315-00	115-140 13-20	6E5-44511-00-EK	220A 8-67	6E5-45344-00	150-200 12-32
6E5-43822-00	220A 21-33		22-60	6E5-44514-00-94	115-140 8-60	6E5-45371-01	220A 13-12
6E5-43822-00	115-140 21-33		22-77	6E5-44551-00-EJ	115-140 8-42	6E5-45371-01	115-140 14-12
6E5-43822-00	150-200 20-33		22-88	6E5-44551-00-EJ	150-200 8-42	6E5-45371-01	150-200 13-12

NUMERICAL INDEX

Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.
6E5-45371-10	220A 13-29	6E5-45633-01	115-140 13-52	6E5-81332-00	220A 14-11	6E5-81941-11	220A 17- 1
6E5-45371-10	115-140 14-28	6E5-45633-01	150-200 12-52	6E5-81332-00	115-140 15-17	6E5-81941-11	115-140 18- 6
6E5-45371-10	150-200 13-29	6E5-45634-01	220A 12-44	6E5-81332-00	150-200 14-16	6E5-81948-01	115-140 18- 8
6E5-45378-00	220A 12-65	6E5-45634-01	115-140 13-44	6E5-81337-00	115-140 15-20	6E5-81948-10	115-140 18- 8
6E5-45378-00	115-140 13-65	6E5-45634-01	150-200 12-44	6E5-81337-00	150-200 14-19	6E5-81948-10	150-200 15- 5
6E5-45378-00	150-200 12-65	6E5-45641-01	220A 12-43	6E5-81800-11	220A 15- 1	6E5-82105-11	115-140 18-20
6E5-45501-00	115-140 13-24	6E5-45641-01	115-140 13-43	6E5-81800-11	115-140 16- 1	6E5-82117-00	115-140 18-29
6E5-45501-20	115-140 13-24	6E5-45641-01	150-200 12-43	6E5-81800-11	150-200 15- 1	6E5-82147-00	220A 8-24
6E5-45536-00	220A 12-36	6E5-45941-00-36	115-140 14-26	6E5-81801-10	220A 15- 6	6E5-82147-00	115-140 8-24
6E5-45536-00	115-140 13-36	6E5-45943-00-36	115-140 14-26	6E5-81801-10	115-140 16- 6	6E5-82147-00	150-200 8-24
6E5-45536-00	150-200 12-36	6E5-45945-00-36	115-140 14-26	6E5-81801-10	150-200 15- 6	6E5-82147-20	220A 8-24
6E5-45551-01	115-140 13-37	6E5-45947-00-36	115-140 14-26	6E5-81807-11	220A 15-10	6E5-82147-20	115-140 8-24
6E5-45560-01	115-140 13-41	6E5-45949-00-36	115-140 14-26	6E5-81807-11	115-140 16-10	6E5-82147-20	150-200 8-24
6E5-45567-00-05	115-140 13-39	6E5-45952-00-36	115-140 14-26	6E5-81807-11	150-200 15-10	6E5-82148-00	220A 8- 6
6E5-45567-00-08	115-140 13-39	6E5-45954-00-36	115-140 14-26	6E5-81809-10	220A 15- 3	6E5-82148-00	115-140 8- 6
6E5-45567-00-12	115-140 13-39	6E5-45956-00-36	115-140 14-26	6E5-81809-10	115-140 16- 3	6E5-82148-00	150-200 8- 6
6E5-45567-00-30	115-140 13-39	6E5-45970-10	220A 13-27	6E5-81809-10	150-200 15- 3	6E5-82149-00	220A 8-48
6E5-45567-00-50	115-140 13-39	6E5-45970-10	115-140 14-27	6E5-81810-10	220A 15- 4	6E5-82149-00	115-140 8-48
6E5-45571-01	115-140 13-54	6E5-45970-10	150-200 13-27	6E5-81810-10	115-140 16- 4	6E5-82149-00	150-200 8-48
6E5-45576-00	115-140 13-56	6E5-45972-10	220A 13-27	6E5-81810-10	150-200 15- 4	6E5-82519-00	115-140 18-21
6E5-45577-00-05	220A 12-55	6E5-45972-10	115-140 14-27	6E5-81813-10	220A 15- 8	6E5-82519-00	150-200 17-20
6E5-45577-00-05	115-140 13-55	6E5-45972-10	150-200 13-27	6E5-81813-10	115-140 16- 8	6E5-82531-00	220A 17-17
6E5-45577-00-05	150-200 12-55	6E5-45974-10	220A 13-27	6E5-81813-10	150-200 15- 8	6E5-82531-00	115-140 18-22
6E5-45577-00-08	220A 12-55	6E5-45974-10	115-140 14-27	6E5-81820-10	220A 15- 9	6E5-82531-00	150-200 17-21
6E5-45577-00-08	115-140 13-55	6E5-45974-10	150-200 13-27	6E5-81820-10	115-140 16- 9	6E5-82551-00	220A 20-44
6E5-45577-00-08	150-200 12-55	6E5-45976-10	220A 13-27	6E5-81820-10	150-200 15- 9	6E5-82551-00	115-140 20-43
6E5-45577-00-12	220A 12-55	6E5-45976-10	115-140 14-27	6E5-81822-01-98	220A 15-14	6E5-82551-00	150-200 19-43
6E5-45577-00-12	115-140 13-55	6E5-45976-10	150-200 13-27	6E5-81822-01-98	115-140 16-14	6E5-82553-00	220A 9-12
6E5-45577-00-12	150-200 12-55	6E5-45978-10	220A 13-27	6E5-81822-01-98	150-200 15-14	6E5-82553-00	115-140 9-12
6E5-45577-00-30	220A 12-55	6E5-45978-10	115-140 14-27	6E5-81826-10	220A 15-13	6E5-82553-00	150-200 9-12
6E5-45577-00-30	115-140 13-55	6E5-45978-10	150-200 13-27	6E5-81826-10	115-140 16-13	6E5-82554-00	A.P. 7- 2
6E5-45577-00-30	150-200 12-55	6E5-45987-00	220A 13-21	6E5-81826-10	150-200 15-13	6E5-82588-00	220A 7-27
6E5-45577-00-50	220A 12-55	6E5-45987-00	115-140 14-21	6E5-81830-10	220A 15-12	6E5-82588-00	115-140 7-27
6E5-45577-00-50	115-140 13-55	6E5-45987-00	150-200 13-21	6E5-81830-10	115-140 16-12	6E5-82588-00	150-200 7-27
6E5-45577-00-50	150-200 12-55	6E5-45994-10	220A 13-28	6E5-81830-10	150-200 15-12	6E5-82590-01	115-140 18-18
6E5-45587-00-05	220A 12-29	6E5-45994-10	115-140 14-29	6E5-81840-10	220A 15- 7	6E5-82594-00	220A 7-26
6E5-45587-00-05	115-140 13-29	6E5-45994-10	150-200 13-28	6E5-81840-10	115-140 16- 7	6E5-82594-00	115-140 7-26
6E5-45587-00-05	150-200 12-29	6E5-48344-00	220A 10- 9	6E5-81840-10	150-200 15- 7	6E5-82594-00	150-200 7-26
6E5-45587-00-08	220A 12-29	6E5-48344-00	115-140 11- 9	6E5-81847-10	220A 15- 5	6E5-83510-00	A.P. 5-10
6E5-45587-00-08	115-140 13-29	6E5-48344-00	150-200 10- 9	6E5-81847-10	115-140 16- 5	6E5-83536-00	220A 20-40
6E5-45587-00-08	150-200 12-29	6E5-48531-00	220A 10- 1	6E5-81850-10	220A 15- 2	6E5-83536-00	115-140 20-39
6E5-45587-00-12	220A 12-29	6E5-48531-00	115-140 11- 1	6E5-81850-10	115-140 16- 2	6E5-83536-00	150-200 19-39
6E5-45587-00-12	115-140 13-29	6E5-48531-00	150-200 10- 1	6E5-81850-10	150-200 15- 2	6E5-83536-10	220A 20-41
6E5-45587-00-12	150-200 12-29	6E5-48538-00	220A 10- 2	6E5-81857-10	220A 15-11	6E5-83536-10	115-140 20-40
6E5-45587-00-30	220A 12-29	6E5-48538-00	115-140 11- 2	6E5-81857-10	115-140 16-11	6E5-83536-10	150-200 19-40
6E5-45587-00-30	115-140 13-29	6E5-48538-00	150-200 10- 2	6E5-81857-10	150-200 15-11	6E5-83536-21	220A 20-42
6E5-45587-00-30	150-200 12-29	6E5-61301-00	A.P. 4-10	6E5-81900-00	220A 20- 8	6E5-83536-21	115-140 20-41
6E5-45587-00-50	220A 12-29	6E5-61303-00	A.P. 4-15	6E5-81900-00	115-140 20- 8	6E5-83536-21	150-200 19-41
6E5-45587-00-50	115-140 13-29	6E5-61311-10	A.P. 4-16	6E5-81900-00	150-200 19- 8	6E5-83553-00	220A 20-46
6E5-45587-00-50	150-200 12-29	6E5-61313-00	A.P. 4-19	6E5-81922-00	220A 20- 9	6E5-83553-00	115-140 20-45
6E5-45611-01	115-140 13-53	6E5-61315-00	A.P. 4-18	6E5-81922-00	115-140 20- 9	6E5-83553-00	150-200 19-45
6E5-45631-01	115-140 13-51	6E5-61350-01	A.P. 4- 1	6E5-81922-00	150-200 19- 9	6E5-83558-00	220A 12-67
6E5-45633-01	220A 12-52	6E5-61351-00	A.P. 4- 2	6E5-81941-10	150-200 17- 5	6E5-83558-00	115-140 13-67

NUMERICAL INDEX

Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.
6E5-83558-00	150-200 12-67	6G4-11111-00-94	150-200 1-26	6G5-11635-00	115-140 2-12	6G5-14483-00	150-200 21-20
6E5-83672-00	220A 9- 8	6G4-14301-01	150-200 4- 1	6G5-11635-00	150-200 2-12	6G5-15100-00-94	150-200 1- 2
6E5-83672-00	115-140 9- 8	6G4-14302-01	150-200 4- 2	6G5-11636-00	115-140 2-12	6G5-15359-00-94	220A 2-22
6E5-83672-00	150-200 9- 8	6G4-14303-01	150-200 4- 3	6G5-11636-00	150-200 2-12	6G5-15359-00-94	115-140 2-22
6E5-84301-00	220A 20-37	6G4-14342-45	150-200 4-12	6G5-11642-00-93	115-140 2-13	6G5-15359-00-94	150-200 2-22
6E5-84301-00	115-140 20-36	6G4-14342-47	150-200 4-12	6G5-11642-00-93	150-200 2-13	6G5-24313-00	220A 5- 4
6E5-84301-00	150-200 19-36	6G4-14342-50	220A 4-12	6G5-11645-00	115-140 2-13	6G5-24313-00	150-200 5- 4
6E5-84348-00	220A 20-45	6G4-14381-00	220A 4- 4	6G5-11645-00	150-200 2-13	6G5-24314-00	220A 5-15
6E5-84348-00	115-140 20-44	6G4-14381-00	150-200 4- 4	6G5-11646-00	115-140 2-13	6G5-24314-00	150-200 5-15
6E5-84348-00	150-200 19-44	6G4-15100-00-94	150-200 1- 2	6G5-11646-00	150-200 2-13	6G5-24315-00	220A 5-35
6E5-85500-10	115-140 15- 1	6G4-42610-G0-EJ	150-200 6- 1	6G5-12413-00-9M	220A 1-37	6G5-24315-00	150-200 5-35
6E5-85510-10	115-140 15- 3	6G4-42687-00	150-200 6- 7	6G5-12413-00-9M	150-200 1-37	6G5-24316-00	115-140 5-31
6E5-85537-10	115-140 17-11	6G5-W0001-01	220A 1-57	6G5-12416-00	220A 1-34	6G5-24317-00	220A 5-38
6E5-85540-10	115-140 17- 7		22- 1	6G5-12416-00	150-200 1-34	6G5-24317-00	150-200 5-38
6E5-85542-00-94	115-140 17- 1	6G5-W0001-01	150-200 1-57	6G5-12576-00	220A 1-53	6G5-24318-00	220A 5-39
6E5-85547-10	115-140 17-10		21- 1	6G5-12576-00	150-200 1-53	6G5-24318-00	115-140 5-33
6E5-85550-10	115-140 15- 2	6G5-W0001-20	220A 12-68	6G5-12581-00	220A 11-33	6G5-24318-00	150-200 5-39
6E5-85570-10	220A 18- 5		22-34	6G5-12581-00	150-200 11-33	6G5-24319-00	220A 5-40
6E5-85570-10	115-140 18- 1	6G5-W0001-20	150-200 12-68	6G5-13200-00	150-200 18- 1	6G5-24319-00	115-140 5-34
6E5-85570-10	150-200 17- 1		21-34	6G5-13610-00	150-200 3-28	6G5-24319-00	150-200 5-40
6E5-85580-10	115-140 15- 5	6G5-W0070-E0	150-200 6- 2	6G5-13625-00	220A 3-33	6G5-24376-00	220A 5-36
6E5-85720-00	220A 20-14	6G5-W0078-0A	220A 12-70	6G5-13625-00	150-200 3-33	6G5-24376-00	115-140 5-32
6E5-85720-00	115-140 20-14	6G5-W0078-0A	150-200 12-70	6G5-13641-10-94	220A 3-16	6G5-24376-00	150-200 5-36
6E5-85720-00	150-200 19-14	6G5-W0078-00	220A 12-69	6G5-13641-10-94	150-200 3-16	6G5-24377-00	220A 5-37
6E5-85721-00	220A 20-15		22-51	6G5-13645-00	220A 3-27	6G5-24377-00	150-200 5-37
6E5-85721-00	115-140 20-15	6G5-W0078-00	150-200 12-69		22-16	6G5-41111-00-9M	220A 1-41
6E5-85721-00	150-200 19-15		21-51	6G5-13645-00	150-200 3-27	6G5-41111-00-9M	150-200 1-41
6E5-85730-00	115-140 20-26	6G5-W0090-10-EJ	150-200 1- 1	6G5-14301-01	150-200 4- 1	6G5-41112-00	220A 1-42
6E5-85730-00	150-200 19-26	6G5-W0093-00	220A 4-27	6G5-14302-01	150-200 4- 2		22- 6
6E5-85740-00	220A 20-27		22-19	6G5-14303-01	150-200 4- 3	6G5-41112-00	150-200 1-42
6E5-85740-00	115-140 20-27	6G5-W0093-00	150-200 4-27	6G5-14323-00	220A 4-20		21- 6
6E5-85740-00	150-200 19-27		21-19		22-32	6G5-41113-00-9M	220A 1-43
6E5-86110-01	115-140 18-12	6G5-11111-00-94	150-200 1-26	6G5-14323-00	150-200 4-20	6G5-41113-00-9M	150-200 1-43
6E5-86116-01	115-140 18-13	6G5-11181-01	220A 1-27	6G5-14328-00	220A 4-24	6G5-41131-00-9M	220A 11- 5
6E9-41237-00	220A 19-16		22- 3	6G5-14328-00	115-140 4-23	6G5-41131-00-9M	115-140 12- 5
6E9-41237-00	115-140 19-14	6G5-11181-01	150-200 1-27	6G5-14328-00	150-200 4-24	6G5-41131-00-9M	150-200 11- 5
6E9-41237-00	150-200 18-16		21- 3	6G5-14341-00	150-200 4- 9	6G5-41132-00-9M	220A 11- 6
6F3-W0001-01	115-140 1-52	6G5-11191-00-9M	220A 1-29	6G5-14342-47	115-140 4-11	6G5-41132-00-9M	150-200 11- 6
	22-30	6G5-11191-00-9M	150-200 1-29	6G5-1441K-00	220A 3- 2	6G5-41134-00	220A 11- 7
6F3-W0001-20	115-140 13-68	6G5-11193-01	220A 1-30	6G5-1441K-00	150-200 3- 2		22-35
	22-65		22- 4	6G5-14416-00	220A 3- 3	6G5-41134-00	115-140 12- 7
6F3-W0090-10-EJ	115-140 1- 1	6G5-11193-01	150-200 1-30		22-13		22-66
6F3-11111-00-94	115-140 1-26		21- 4	6G5-14416-00	150-200 3- 3	6G5-41134-00	150-200 11- 7
6F3-14301-02	115-140 4- 1	6G5-11372-00	220A 1-49		21-13		21-35
6F3-14302-02	115-140 4- 2	6G5-11372-00	150-200 1-49	6G5-14417-00-98	220A 3- 6	6G5-41137-00-94	220A 11- 4
6F3-15100-02-94	115-140 1- 2	6G5-11382-00	220A 1-50	6G5-14417-00-98	150-200 3- 6	6G5-41137-00-94	150-200 11- 4
6F3-41132-00-9M	115-140 12- 6		22- 7	6G5-14418-00	220A 3- 1	6G5-41211-00	220A 10-20
6F3-41137-00-94	115-140 12- 4	6G5-11382-00	150-200 1-50	6G5-14418-00	150-200 3- 1	6G5-41211-00	150-200 10-30
6F3-42610-G0-EJ	115-140 6- 1		21- 7	6G5-14483-00	220A 3-10	6G5-41213-00	220A 10-23
6F3-42687-01	115-140 6- 7	6G5-11411-00	220A 2- 7		22-14	6G5-41213-00	150-200 10-33
6F5-14341-00	115-140 4- 8	6G5-11411-00	150-200 2- 7		22-20	6G5-41217-00	220A 3-38
6G0-82519-00	220A 17-16	6G5-11631-00-93	115-140 2-12	6G5-14483-00	150-200 3-10	6G5-41217-00	150-200 3-38
6G4-W0090-10-EJ	150-200 1- 1	6G5-11631-00-93	150-200 2-12		21-14	6G5-41631-00-94	150-200 10-12

NUMERICAL INDEX

Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.
6G5-41632-00-94	220A 10- 6	6G5-45301-00-EJ	150-200 12- 2	6G5-81315-00	220A 20-29	6G7-11646-00	220A 2-13
6G5-41632-00-94	150-200 10- 6	6G5-45301-00-EK	220A 12- 2	6G5-81948-00	220A 17- 3	6G7-14301-00	220A 4- 1
6G5-41636-00	150-200 10-24	6G5-45332-00-94	220A 12-59	6G5-81948-00	150-200 17- 7	6G7-14302-00	220A 4- 2
6G5-42610-G0-EJ	150-200 6- 1	6G5-45332-00-94	150-200 12-59	6G5-82105-00	220A 17-15	6G7-14303-00	220A 4- 3
6G5-42613-00-EJ	150-200 6- 9	6G5-45383-00	220A 12-63	6G5-82105-00	150-200 17-19	6G7-14341-00	220A 4- 9
6G5-42613-00-EK	220A 6- 9	6G5-45383-00	150-200 12-63	6G5-82117-00	220A 17-24	6G7-15100-00-94	220A 1- 2
6G5-42619-00	220A 6-23	6G5-45384-00	220A 12-64	6G5-82117-00	150-200 17-29	6G7-41631-00-94	220A 10-12
6G5-42619-00	150-200 6-23	6G5-45384-00	150-200 12-64	6G5-82317-00	220A 14-19	6G7-42610-A0-EK	220A 6- 1
6G5-42627-00	220A 6-24	6G5-45501-00	220A 12-24	6G5-82317-00	150-200 14-24	6G7-42678-00	220A 6- 8
6G5-42627-00	150-200 6-24	6G5-45501-00	150-200 12-24	6G5-82553-00	220A 17-22	6G7-42681-00	220A 6- 3
6G5-42678-E0	150-200 6- 8	6G5-45551-00	150-200 12-37	6G5-82553-00	150-200 17-27	6G7-42682-00	220A 6- 4
6G5-42681-00	115-140 6- 3	6G5-45560-00	150-200 12-41	6G5-82590-00	150-200 17-17	6G7-42687-A0	220A 6- 7
6G5-42681-00	150-200 6- 3	6G5-45567-00-05	220A 12-39	6G5-83354-00	150-200 16-22	6G7-45300-10-EK	220A 12- 1
6G5-42682-00	115-140 6- 4	6G5-45567-00-05	150-200 12-39	6G5-85500-10	150-200 14- 1	6G7-45300-20-EK	220A 12- 1
6G5-42682-00	150-200 6- 4	6G5-45567-00-08	220A 12-39	6G5-85510-10	220A 14- 3	6G7-45551-00	220A 12-37
6G5-42686-00	220A 6- 6	6G5-45567-00-08	150-200 12-39	6G5-85510-10	150-200 14- 3	6G7-45560-00	220A 12-41
6G5-42686-00	150-200 6- 6	6G5-45567-00-12	220A 12-39	6G5-85537-00	220A 16-10	6G7-45571-00	220A 12-54
6G5-42687-00	150-200 6- 7	6G5-45567-00-12	150-200 12-39	6G5-85537-00	150-200 16-11	6G7-81337-00	220A 14-14
6G5-42816-00	220A 7- 9	6G5-45567-00-30	220A 12-39	6G5-85540-10	220A 16- 5	6G7-82590-00	220A 17-13
6G5-42816-00	115-140 7- 9	6G5-45567-00-30	150-200 12-39	6G5-85540-10	150-200 16- 6	6G7-84341-00	220A 18- 4
6G5-42816-00	150-200 7- 9	6G5-45567-00-50	220A 12-39	6G5-85542-00-94	220A 16- 1	6G7-85500-10	220A 14- 1
6G5-44150-00	220A 12-11	6G5-45567-00-50	150-200 12-39	6G5-85542-00-94	150-200 16- 1	6G7-85542-00-94	220A 18- 1
6G5-44150-00	150-200 12-11	6G5-45571-00	150-200 12-54	6G5-85547-00	220A 16- 8	6G7-85580-10	220A 14- 5
6G5-44323-00	220A 12-19	6G5-45576-00	220A 12-56	6G5-85547-00	150-200 16- 9	6G7-85730-00	220A 20-26
6G5-44323-00	22-56	6G5-45576-00	150-200 12-56	6G5-85550-10	220A 14- 2	6G7-85780-00	220A 18- 9
6G5-44323-00	150-200 12-19	6G5-45611-00	220A 12-53	6G5-85550-10	150-200 14- 2	6G7-85790-00	220A 18-10
6G5-44323-00	21-56	6G5-45611-00	150-200 12-53	6G5-85580-10	150-200 14- 5	6G7-85830-10	220A 18- 2
6G5-44323-40	220A 12-72	6G5-45631-00	220A 12-51	6G5-85590-10	150-200 16-18	6G7-85885-00	220A 18-18
6G5-44323-40	150-200 12-72	6G5-45631-00	150-200 12-51	6G5-86110-00	220A 17- 7	6G7-85886-00-94	220A 18-13
6G5-44501-20	220A 12-24	6G5-45930-00-98	220A 13-26	6G5-86110-00	150-200 17-11	6G7-85895-00	220A 18-11
6G5-44501-20	150-200 12-24	6G5-45930-00-98	150-200 13-26	6G5-86115-00	220A 17-21	6Y1-24207-80-24	A.P. 1- 1
6G5-44514-00-94	220A 8-60	6G5-45932-00-98	220A 13-26	6G5-86115-00	150-200 17-26	6Y1-24246-00	A.P. 1- 2
6G5-44514-00-94	150-200 8-60	6G5-45932-00-98	150-200 13-26	6G5-86119-00	220A 17- 8	6Y1-24256-80	A.P. 1- 3
6G5-44555-00-94	220A 8-45	6G5-45941-00-36	220A 13-26	6G5-86119-00	150-200 17-12	6Y1-24257-00	A.P. 1- 4
6G5-44555-00-94	150-200 8-45	6G5-45941-00-36	150-200 13-26	6G5-87149-00	220A 17-23	6Y1-24260-00	A.P. 1- 6
6G5-45113-00	220A 11-27	6G5-45943-00-36	220A 13-26	6G5-87149-00	115-140 18-30	6Y1-24268-00	A.P. 1- 7
6G5-45113-00	22-18	6G5-45943-00-36	150-200 13-26	6G5-87149-00	150-200 17-28	6Y1-24329-00	A.P. 1- 8
6G5-45113-00	115-140 12-27	6G5-45945-00-36	220A 13-26	6G6-13200-00	220A 19- 1	6Y1-24610-00	A.P. 1- 5
6G5-45113-00	22-46	6G5-45945-00-36	150-200 13-26	6G6-13200-00	150-200 18- 1	6Y2-24306-01	A.P. 1-10
6G5-45113-00	150-200 11-27	6G5-45947-00-36	220A 13-26	6G6-14301-01	150-200 4- 1	6Y2-24360-00	A.P. 1-17
6G5-45113-00	21-18	6G5-45947-00-36	150-200 13-26	6G6-14302-01	150-200 4- 2	6Y2-24397-00	A.P. 1-13
6G5-45114-00	220A 11- 8	6G5-45949-00-36	220A 13-26	6G6-14303-01	150-200 4- 3	617-24565-00	220A 4-23
6G5-45114-00	22-36	6G5-45949-00-36	150-200 13-26	6G6-14341-00	150-200 4- 9		22-33
6G5-45114-00	115-140 12- 8	6G5-45970-00-98	220A 13-26	6G6-42610-G0-EJ	150-200 6- 1	617-24565-00	115-140 4-22
6G5-45114-00	22-67	6G5-45970-00-98	150-200 13-26	6G6-42687-00	150-200 6- 7	617-24565-00	150-200 4-23
6G5-45114-00	150-200 11- 8	6G5-45972-00-98	220A 13-26	6G7-W0070-00	220A 6- 2		21-33
6G5-45114-00	21-36	6G5-45972-00-98	150-200 13-26	6G7-W0090-01-EK	220A 1- 1	624-11379-00	220A 1- 3
6G5-45214-00	220A 13- 1	6G5-45974-00-98	220A 13-26	6G7-11111-00-94	220A 1-26	624-11379-00	115-140 1- 3
6G5-45214-00	150-200 13- 1	6G5-45974-00-98	150-200 13-26	6G7-11631-00-93	220A 2-12	624-11379-00	150-200 1- 3
6G5-45215-00	220A 13- 2	6G5-45976-00-98	220A 13-26	6G7-11635-00	220A 2-12	624-14485-00	220A 3- 7
6G5-45215-00	150-200 13- 2	6G5-45976-00-98	150-200 13-26	6G7-11636-00	220A 2-12		3-17
6G5-45300-10-EJ	150-200 12- 1	6G5-45978-00-98	220A 13-26	6G7-11642-00-93	220A 2-13	624-14485-00	115-140 3- 7
6G5-45300-20-EJ	150-200 12- 1	6G5-45978-00-98	150-200 13-26	6G7-11645-00	220A 2-13		3-17

NUMERICAL INDEX

Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.
624-14485-00	150-200 3- 7	662-41237-01	115-140 11-26	663-85518-00	150-200 14- 6	688-43806-01	150-200 20-13
	3-17		11-32	682-41291-00	220A 4-22	688-43807-10	220A 21-12
624-42542-00	220A 14-20		19-17		22-29	688-43807-10	115-140 21-12
	20-23	662-41237-01	150-200 10-26	682-41291-00	115-140 4-21	688-43807-10	150-200 20-12
	20-30		10-32		22-12	688-43826-00	220A 21-57
624-42542-00	115-140 15-26		18-19	682-41291-00	150-200 4-22	688-43826-00	115-140 21-57
	20-23	662-82519-00	220A 18-21		21-29	688-43826-00	150-200 20-57
	20-29	663-11518-01	220A 1- 4	682-82556-00	A.P. 3-52	688-43828-00	220A 21-20
624-42542-00	150-200 14-25	663-11518-01	115-140 1- 4		7-12	688-43828-00	115-140 21-20
	19-23	663-11518-01	150-200 1- 4	688-W0080-00	A.P. 5- 1	688-43828-00	150-200 20-20
	19-29	663-12416-00	115-140 1-34	688-W0088-00	A.P. 5-19	688-43829-01	220A 21-21
646-11370-00	220A 1- 5	663-42662-00	220A 6-15	688-W0088-10	A.P. 6- 7	688-43829-01	115-140 21-21
646-11370-00	150-200 1- 5	663-42662-00	115-140 6-15	688-W0088-21	A.P. 6-23	688-43829-01	150-200 20-21
646-24251-01	220A 20- 5	663-42662-00	150-200 6-15	688-W0088-30	A.P. 6- 1	688-43830-00	220A 21-17
646-24251-01	115-140 20- 5	663-43145-00	220A 8-15	688-W0088-40	A.P. 8- 4	688-43830-00	115-140 21-17
646-24251-01	150-200 19- 5	663-43145-00	115-140 8-15	688-12413-00-9M	115-140 1-37	688-43830-00	150-200 20-17
647-14334-00	220A 4-19	663-43145-00	150-200 8-15	688-12414-00	220A 1-38	688-43831-00	220A 21-18
647-14334-00	115-140 4-18	663-43318-00	220A 8-29		22- 5	688-43831-00	115-140 21-18
647-14334-00	150-200 4-19	663-43318-00	115-140 8-29	688-12414-00	115-140 1-38	688-43831-00	150-200 20-18
648-24424-00	220A 5-23	663-43318-00	150-200 8-29		22-22	688-43832-00	220A 21-58
648-24424-00	115-140 5-22	663-44533-00	220A 1-23		22-37	688-43832-00	115-140 21-58
648-24424-00	150-200 5-23	663-44533-00	115-140 1-23	688-12414-00	150-200 1-38	688-43832-00	150-200 20-58
648-24566-01	220A 5-11	663-44533-00	150-200 1-23		21- 5	688-43835-00	220A 21-61
648-24566-01	150-200 5-11	663-44575-00	220A 8-66	688-24554-00	A.P. 9- 3	688-43835-00	115-140 21-61
648-42715-00	220A 10-40	663-44575-00	115-140 8-66	688-24559-00	A.P. 9- 4	688-43835-00	150-200 20-61
648-42715-00	115-140 11-50	663-44575-00	150-200 8-66	688-41611-00	115-140 15-13	688-43838-00	220A 21-56
648-42715-00	150-200 10-50	663-45119-00	220A 8-23	688-41611-00	150-200 14-13	688-43838-00	115-140 21-56
650-14223-00	220A 4-21	663-45119-00	115-140 8-23	688-41612-00	115-140 15-14	688-43838-00	150-200 20-56
650-14223-00	115-140 4-20	663-45119-00	150-200 8-23	688-41612-00	150-200 14-14	688-43841-00	220A 21-40
650-14223-00	150-200 4-21	663-45376-00-94	220A 13- 5	688-42652-00	220A 6-18	688-43841-00	115-140 21-40
650-14321-00	220A 4-18	663-45376-00-94	115-140 14- 5	688-42652-00	115-140 6-18	688-43841-00	150-200 20-40
650-14321-00	115-140 4-17	663-45376-00-94	150-200 13- 5	688-42652-00	150-200 6-18	688-43844-01	220A 21-55
650-14321-00	150-200 4-18	663-82151-00	220A 17-14	688-42815-00-EJ	115-140 7- 2	688-43844-01	115-140 21-55
650-24378-00	220A 1-44	663-82151-00	115-140 18-19	688-42815-00-EJ	150-200 7- 2	688-43844-01	150-200 20-55
650-24378-00	115-140 1-44	663-82151-00	150-200 17-18	688-42815-00-EK	220A 7- 2	688-43845-00	220A 21-43
650-24378-00	150-200 1-44	663-82317-00	220A 14-18	688-42816-00	220A 7- 3	688-43845-00	115-140 21-43
650-24431-00	220A 5-29	663-82317-00	115-140 15-25	688-42816-00	115-140 7- 3	688-43845-00	150-200 20-43
650-24431-00	115-140 5-28	663-82317-00	150-200 14-23	688-42816-00	150-200 7- 3	688-43846-00	220A 21-45
650-24431-00	150-200 5-29	663-82370-01	115-140 18- 5	688-43165-00	220A 8-17	688-43846-00	115-140 21-45
655-24521-00	220A 5- 7	663-82370-01	150-200 17- 4	688-43165-00	115-140 8-17	688-43846-00	150-200 20-45
655-24521-00	115-140 5- 6	663-82521-09	A.P. 8-11	688-43165-00	150-200 8-17	688-43847-00	220A 21-48
655-24521-00	150-200 5- 7	663-82555-01	A.P. 7- 3	688-43184-00	115-140 10-23	688-43847-00	115-140 21-48
655-24563-00	220A 5- 9	663-82581-01	A.P. 7-13	688-43802-00	220A 21-37	688-43847-00	150-200 20-48
655-24563-00	115-140 5- 8	663-83553-A0	A.P. 6- 5	688-43802-00	115-140 21-37	688-43848-00	220A 21-47
655-24563-00	150-200 5- 9		6-17	688-43802-00	150-200 20-37	688-43848-00	115-140 21-47
655-24564-00	220A 5-10		6-31	688-43804-01	220A 21- 2	688-43848-00	150-200 20-47
655-24564-00	115-140 5- 9	663-83553-Y0	A.P. 6- 6	688-43804-01	115-140 21- 2	688-43856-00	220A 21-54
655-24564-00	150-200 5-10		6-16	688-43804-01	150-200 20- 2	688-43856-00	115-140 21-54
661-41262-02	220A 3-36		6-30	688-43805-01	220A 21- 4	688-43856-00	150-200 20-54
661-41262-02	115-140 3-34	663-83668-00	A.P. 5-28	688-43805-01	115-140 21- 4	688-43858-00	220A 21-46
661-41262-02	150-200 3-36	663-84301-00	A.P. 8- 5	688-43805-01	150-200 20- 4	688-43858-00	115-140 21-46
662-41237-01	220A 10-22	663-84309-00	A.P. 8- 6	688-43806-01	220A 21-13	688-43858-00	150-200 20-46
	19-19	663-85518-00	115-140 15- 6	688-43806-01	115-140 21-13	688-43862-00	220A 21-28

NUMERICAL INDEX

Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.
688-43862-00	115-140 21-28	688-43884-02	115-140 21- 8	688-82560-10	150-200 17-10	688-83553-10	150-200 9-10
688-43862-00	150-200 20-28	688-43884-02	150-200 20- 8	688-82563-10	A.P. 8-20	688-83557-00	A.P. 5-15
688-43863-00	220A 21-27	688-43885-01	220A 21- 9	688-82570-12	A.P. 7- 7	688-83559-00	A.P. 8-17
688-43863-00	115-140 21-27	688-43885-01	115-140 21- 9	688-82571-11	A.P. 7- 8	688-83577-00	A.P. 6- 4
688-43863-00	150-200 20-27	688-43885-01	150-200 20- 9	688-82574-00	A.P. 7-10	688-83590-00	A.P. 6- 8
688-43864-00	220A 21-38	688-43886-02	220A 21-10	688-82575-01	A.P. 7-11	688-83591-00	A.P. 6-14
688-43864-00	115-140 21-38	688-43886-02	115-140 21-10	688-8258A-10	A.P. 7-22	688-83594-00	A.P. 6- 9
688-43864-00	150-200 20-38	688-43886-02	150-200 20-10	688-8258A-20	A.P. 3-53	688-83611-00	A.P. 8-12
688-43865-00	220A 21-39	688-43887-01	220A 21-11		7-21	688-83660-00	A.P. 5-20
688-43865-00	115-140 21-39	688-43887-01	115-140 21-11	688-8258A-30	A.P. 7-22	688-83661-00	A.P. 5-21
688-43865-00	150-200 20-39	688-43887-01	150-200 20-11	688-82594-00	220A 7-25	688-83664-00	A.P. 5-24
688-43866-00	220A 21-44	688-43891-00	220A 21- 3	688-82594-00	115-140 7-25		6- 3
688-43866-00	115-140 21-44		21-14	688-82594-00	150-200 7-25		6-12
688-43866-00	150-200 20-44	688-43891-00	115-140 21- 3	688-83373-10	A.P. 8- 3		6-20
688-43867-00	220A 21-24		21-14	688-83383-10	A.P. 8- 1		6-27
688-43867-00	115-140 21-24	688-43891-00	150-200 20- 3	688-83503-00	A.P. 6-18	688-83664-00	220A 9- 7
688-43867-00	150-200 20-24		20-14	688-83504-00	A.P. 6- 2	688-83664-00	115-140 9- 7
688-43868-00	220A 21-49	688-44194-00	115-140 11-29	688-83514-00	A.P. 5-14	688-83664-00	150-200 9- 7
688-43868-00	115-140 21-49	688-44194-00	150-200 10-29	688-83514-00	220A 20-39	688-83665-00	A.P. 5-25
688-43868-00	150-200 20-49	688-45214-01	115-140 14- 1	688-83514-00	115-140 20-38		6-13
688-43869-00	220A 21-22	688-45215-01	115-140 14- 2	688-83514-00	150-200 19-38	688-83666-00	A.P. 5-27
688-43869-00	115-140 21-22	688-45375-00	220A 13- 6	688-83516-00	A.P. 5- 3	688-83667-00	A.P. 5-26
688-43869-00	150-200 20-22	688-45375-00	115-140 14- 6		5-11	688-83671-00	220A 9- 4
688-43872-00	220A 21-29	688-45375-00	150-200 13- 6		5-22	688-83671-00	115-140 9- 4
688-43872-00	115-140 21-29	688-45383-01	115-140 13-63		6-10	688-83671-00	150-200 9- 4
688-43872-00	150-200 20-29	688-45384-00	115-140 13-64		6-22	688-85751-00	A.P. 6-24
688-43873-00	220A 21-41	688-45930-60-98	115-140 14-26		6-25	688-85752-01	A.P. 6-29
688-43873-00	115-140 21-41	688-45932-60-98	115-140 14-26	688-83516-00	220A 9- 5	688-85756-00	A.P. 6-19
688-43873-00	150-200 20-41	688-45970-01-98	115-140 14-26	688-83516-00	115-140 9- 5		6-28
688-43875-00	220A 21-52	688-45972-01-98	115-140 14-26	688-83516-00	150-200 9- 5	689-41273-00	220A 3-35
688-43875-00	150-200 20-52	688-45974-01-98	115-140 14-26	688-83516-10	220A 20-43	689-41273-00	115-140 3-33
688-43876-00	220A 21-42	688-45976-01-98	115-140 14-26	688-83516-10	115-140 20-42	689-41273-00	150-200 3-35
688-43876-00	115-140 21-42	688-45978-60-98	115-140 14-26	688-83516-10	150-200 19-42	689-81952-10	220A 17- 2
688-43876-00	150-200 20-42	688-45997-00	220A 13-22	688-83523-00	A.P. 5- 5	689-81952-10	115-140 18- 7
688-43878-00	220A 21-19	688-45997-00	115-140 14-22		5-13	689-81952-10	150-200 17- 6
688-43878-00	115-140 21-19	688-45997-00	150-200 13-22	688-83523-00	220A 20-38	697-81901-60	A.P. 8- 8
688-43878-00	150-200 20-19	688-48375-00	115-140 21-52	688-83523-00	115-140 20-37	701-48248-00	A.P. 3-16
688-43879-00	220A 21-23	688-81960-60	220A 16-14	688-83523-00	150-200 19-37	701-48287-00	A.P. 3-45
688-43879-00	115-140 21-23	688-81960-60	115-140 17-16	688-83536-00	A.P. 5- 4	701-48310-10	A.P. 2- 3
688-43879-00	150-200 20-23	688-81960-60	150-200 16-15		5-12	701-48310-20	A.P. 2- 3
688-43880-10	220A 21- 1	688-81961-00	115-140 17-19		5-23	701-48310-40	A.P. 2- 3
688-43880-10	115-140 21- 1	688-82117-00	A.P. 8-24		6-11	701-48310-60	A.P. 2- 3
688-43880-10	150-200 20- 1	688-82149-00	A.P. 8-23		6-21	701-48310-80	A.P. 2- 3
688-43881-01	220A 21- 5	688-82388-00	A.P. 8-21		6-26	701-48310-90	A.P. 2- 3
688-43881-01	115-140 21- 5	688-82508-10	A.P. 7- 9	688-83536-00	220A 9- 6	701-48320-00	A.P. 2- 3
688-43881-01	150-200 20- 5	688-82520-00	A.P. 8-18	688-83536-00	115-140 9- 6	701-48320-20	A.P. 2- 3
688-43882-00	220A 21- 6	688-82521-00	A.P. 8-25	688-83536-00	150-200 9- 6	701-48320-30	A.P. 2- 3
688-43882-00	115-140 21- 6	688-82526-00	A.P. 8-19	688-83540-00	A.P. 5- 2	701-48320-40	A.P. 2- 3
688-43882-00	150-200 20- 6	688-82535-00	A.P. 7-16	688-83544-00	A.P. 5- 6	701-48320-50	A.P. 2- 3
688-43883-00	220A 21- 7	688-82540-10	A.P. 7- 1	688-83553-10	A.P. 5- 7	701-48320-60	A.P. 2- 3
688-43883-00	115-140 21- 7	688-82541-10	A.P. 7- 4		8-26	701-48320-70	A.P. 2- 3
688-43883-00	150-200 20- 7	688-82560-10	220A 17- 6	688-83553-10	220A 9-10	701-48320-80	A.P. 2- 3
688-43884-02	220A 21- 8	688-82560-10	115-140 18-11	688-83553-10	115-140 9-10	701-48320-90	A.P. 2- 3

NUMERICAL INDEX

Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.
701-48350-00	A.P. 2- 3	703-82594-00	A.P. 3-28	90157-06013	150-200 10-13	90201-06068	220A 7- 7
701-48350-10	A.P. 2- 3	703-83383-00	A.P. 3-55	90157-06014	115-140 11-13	90201-06068	115-140 7- 7
701-48350-20	A.P. 2- 3	90101-09M66	A.P. 4- 7	90159-06M03	220A 16-11	90201-06068	150-200 7- 7
702-48217-00	A.P. 3-47	90101-09M70	A.P. 4-13	90159-06M03	150-200 16-12	90201-06416	150-200 16- 4
702-48235-00	A.P. 3- 4	90101-12M65	220A 8-70	90159-06M04	220A 18- 3	90201-08M13	220A 10-18
703-48153-00	A.P. 3- 3	90101-12M65	115-140 8-70	90170-09M05	A.P. 4-14	90201-08M13	115-140 11-22
703-48189-00	A.P. 3-20	90101-12M65	150-200 8-70	90170-14M06	A.P. 4-20	90201-08M13	150-200 10-22
703-48197-00	A.P. 3- 6	90105-10M00	220A 13-13	90170-16M01	220A 12-38	90201-08M23	220A 10-14
703-48198-00	A.P. 3-17	90105-10M00	115-140 14-13	90170-16M01	115-140 13-38	90201-08M23	115-140 11-17
703-48201-10	A.P. 2- 1	90105-10M00	150-200 13-13	90170-16M01	150-200 12-38	90201-08M23	150-200 10-17
	3- 1	90105-10M20	220A 1- 8	90170-20137	220A 14- 6	90201-08M32	A.P. 9- 7
703-48205-10	A.P. 2- 1	90105-10M20	115-140 1- 8	90170-20137	115-140 15- 8	90201-08M54	220A 7-18
	3- 1	90105-10M20	150-200 1- 8	90170-20137	150-200 14- 8	90201-08M54	115-140 7-18
703-48208-10	A.P. 2- 2	90109-06M07	115-140 10- 2	90171-18M04	220A 13-24	90201-08M54	150-200 7-18
	3- 1	90109-06M23	220A 19- 2	90171-18M04	115-140 14-24	90201-08M93	220A 19-13
703-48215-00	A.P. 3-46	90109-06M23	115-140 19- 2	90171-18M04	150-200 13-24	90201-08M93	115-140 19-11
703-48219-00	A.P. 3-33	90109-06M23	150-200 18- 2	90179-06M07	115-140 15-21	90201-08M93	150-200 18-13
703-48222-00	A.P. 3-30	90109-08462	220A 2-20	90179-06066	220A 8-59	90201-10M20	A.P. 4- 3
703-48222-10	A.P. 3-30	90109-08462	115-140 2-20	90179-06066	115-140 8-59		4-12
703-48223-00	A.P. 3-31	90109-08462	150-200 2-20	90179-06066	150-200 8-59	90201-12426	220A 8-25
703-48224-00	A.P. 3-59	90109-12M09	220A 8-64	90183-05M01	220A 6- 5	90201-12426	115-140 8-25
703-48225-00	A.P. 3-32	90109-12M09	115-140 8-64	90183-05M01	115-140 6- 5	90201-12426	150-200 8-25
703-48226-00	A.P. 3-29	90109-12M09	150-200 8-64	90183-05M01	150-200 6- 5	90201-14M56	220A 8-63
703-48227-00	A.P. 3-27	90109-14M10	220A 8-49	90183-05M02	220A 11-18	90201-14M56	115-140 8-63
703-48234-00	A.P. 3-21	90109-14M10	115-140 8-49	90183-05M02	115-140 12-18	90201-14M56	150-200 8-63
703-48236-00	A.P. 3-19	90109-14M10	150-200 8-49	90183-05M02	150-200 11-18	90201-15M58	220A 8-50
703-48238-00	A.P. 3-25	90116-06M08	220A 3-24	90185-05002	220A 13- 4	90201-15M58	115-140 8-50
703-48243-00	A.P. 3-18	90116-06M08	115-140 3-23	90185-05002	115-140 14- 4	90201-15M58	150-200 8-50
703-48244-00	A.P. 3-24	90116-06M08	150-200 3-24	90185-05002	150-200 13- 4	90201-16M55	220A 8-47
703-48245-00	A.P. 3-14	90116-08M14	220A 1- 7	90185-06062	220A 10-11	90201-16M55	115-140 8-47
703-48246-00	A.P. 3-26	90116-08M14	115-140 1- 7	90185-06062	115-140 11-11	90201-16M55	150-200 8-47
703-48252-00	A.P. 3-15	90116-08M14	150-200 1- 7	90185-06062	150-200 10-11	90201-21M18	220A 14- 7
703-48261-10	A.P. 3- 1	90119-06M28	220A 16- 4	90185-08057	220A 9- 3	90201-21M18	115-140 15- 9
703-48263-00	A.P. 3- 8		18-24	90185-08057	115-140 9- 3	90201-21M18	150-200 14- 9
703-48264-00	A.P. 3- 9	90119-06M28	115-140 17- 4	90185-08057	150-200 9- 3	90201-21M75	220A 2-18
703-48265-00	A.P. 3-12	90119-06M28	150-200 16- 5	90185-09M01	A.P. 4- 4	90201-21M75	115-140 2-18
703-48268-00	A.P. 3- 7	90119-08M04	220A 11-29		4-11	90201-21M75	150-200 2-18
703-48273-00	A.P. 3- 5	90119-08M04	115-140 12-29	90185-12058	220A 8-65	90201-26M57	220A 8-61
703-48284-00	A.P. 3-56	90119-08M04	150-200 11-29	90185-12058	115-140 8-65	90201-26M57	115-140 8-61
703-48290-00	A.P. 2- 4	90119-08M21	220A 1-28	90185-12058	150-200 8-65	90201-26M57	150-200 8-61
703-48293-00	A.P. 3-44	90119-08M21	115-140 1-28	90185-22043	220A 8-14	90201-26M59	220A 8-13
703-48293-10	A.P. 3-44	90119-08M21	150-200 1-28	90185-22043	115-140 8-14	90201-26M59	115-140 8-13
703-48345-00	A.P. 3-22	90119-08M23	220A 1- 9	90185-22043	150-200 8-14	90201-26M59	150-200 8-13
703-48358-00	A.P. 3-23	90119-08M23	115-140 1- 9	90201-06M62	220A 14-17	90201-30M92	220A 12-50
703-82510-00	A.P. 3-48	90119-08M23	150-200 1- 9		20-24	90201-30M92	115-140 13-50
703-82531-00	A.P. 3-50	90142-05M03	220A 13- 3		20-31	90201-30M92	150-200 12-50
703-82536-00	A.P. 3-59	90142-05M03	115-140 14- 3	90201-06M62	115-140 15-24	90201-38M60	220A 8-39
703-82540-00	A.P. 3-54	90142-05M03	150-200 13- 3		20-24	90201-38M60	115-140 8-39
703-82554-00	A.P. 3- 2	90157-06M00	115-140 11-27		20-30	90201-38M60	150-200 8-39
703-82574-00	A.P. 3-49	90157-06M00	150-200 10-27	90201-06M62	150-200 14-22	90202-06058	220A 6-25
703-82575-00	A.P. 3-51	90157-06M01	220A 7-31		19-24	90202-08M08	115-140 10-17
703-82591-00	A.P. 3-57	90157-06M01	115-140 7-31		19-30	90202-08M20	220A 10-32
703-82592-00	A.P. 3-58	90157-06M01	150-200 7-31	90201-06068	220A 6-26	90202-08M20	115-140 11-42

NUMERICAL INDEX

Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.
90202-08M20	150-200 10-42	90340-08M02	115-140 13- 4	90387-08M37	220A 7-17	90445-11M88	115-140 20-12
90202-12092	115-140 11-21	90340-08M02	150-200 12- 4	90387-08M37	115-140 7-17	90445-11M88	150-200 19-12
90202-12092	150-200 10-21	90340-08014	220A 12- 3	90387-08M37	150-200 7-17	90445-12M60	115-140 19- 3
90202-16061	220A 10-44	90340-08014	115-140 13- 3	90387-08M59	220A 18-17	90445-12M65	220A 19- 3
90202-16061	115-140 11-54	90340-08014	150-200 12- 3	90387-09M03	220A 18-23	90445-12M65	150-200 18- 3
90202-16061	150-200 10-54	90340-14M00	220A 1-12	90387-10M38	220A 8-31	90445-13M32	A.P. 9-11
90202-26M18	220A 8-62	90340-14M00	115-140 1-12	90387-10M38	115-140 8-31	90445-13M33	A.P. 1-14
90202-26M18	115-140 8-62	90340-14M00	150-200 1-12	90387-10M38	150-200 8-31	90445-13M34	A.P. 1-16
90202-26M18	150-200 8-62	90380-06M18	220A 19-20	90387-10M61	A.P. 4- 6	90446-10M01	220A 18-25
90202-32M19	220A 8-46	90380-06M18	115-140 19-18	90430-08020	220A 12- 5	90446-10M01	115-140 18-26
90202-32M19	115-140 8-46	90380-06M18	150-200 18-20		22-38	90446-10M01	150-200 17-25
90202-32M19	150-200 8-46	90386-06M12	220A 10-34	90430-08020	115-140 13- 5	90461-07M05	150-200 18- 9
90206-10049	220A 10-25	90386-06M12	115-140 11-44		22-55	90464-07M05	220A 3-39
90206-10049	115-140 11-35	90386-06M12	150-200 10-44		22-69		19- 9
90206-10049	150-200 10-35	90386-08032	115-140 10-16	90430-08020	150-200 12- 5	90464-07M05	150-200 3-39
90206-13M10	220A 7- 5	90386-10M16	220A 8-30		21-38	90464-12M00	115-140 15-16
90206-13M10	115-140 7- 5	90386-10M16	115-140 8-30	90430-14115	A.P. 5-29	90465-07M20	220A 3-40
90206-13M10	150-200 7- 5	90386-10M16	150-200 8-30		6-15	90465-07M20	150-200 3-40
90209-06M04	220A 12-10	90386-10009	220A 18-14	90430-14115	220A 1-13	90465-08M07	220A 1-56
90209-06M04	115-140 13-10	90386-12089	220A 10-15	90430-14115	115-140 1-13		17-20
90209-06M04	150-200 12-10	90386-12089	115-140 11-18	90430-14115	150-200 1-13	90465-08M07	115-140 1-51
90209-08M02	220A 12-23	90386-12089	150-200 10-18	90445-05M61	220A 20-36		3-37
	22-60	90386-13M38	220A 7- 4	90445-05M61	115-140 20-35		18- 4
90209-08M02	115-140 13-23	90386-13M38	115-140 7- 4	90445-05M61	150-200 19-35	90465-08M07	150-200 1-56
	22-91	90386-13M38	150-200 7- 4	90445-07M23	220A 3- 9		17-24
90209-08M02	150-200 12-23	90386-16046	220A 10-43	90445-07M23	115-140 3- 9	90465-08M08	220A 17-27
	21-60	90386-16046	115-140 11-53	90445-07M23	150-200 3- 9	90465-08M08	115-140 1-50
90240-06M07	115-140 10- 6	90386-16046	150-200 10-53	90445-07M24	115-140 3-21	90465-08M08	150-200 17-32
90250-08M07	220A 12-49	90386-18M14	220A 21-63	90445-07M28	220A 3-20	90465-08M12	115-140 18-25
90250-08M07	115-140 13-49	90386-18M14	115-140 21-63	90445-07M28	115-140 3-20	90465-08M21	220A 17-25
90250-08M07	150-200 12-49	90386-18M14	150-200 20-63	90445-07M28	150-200 3-20	90465-08M21	115-140 18-27
90266-06M02	220A 6-17	90386-18M44	220A 8-36	90445-07M31	220A 12-66	90465-08M22	220A 17-26
90266-06M02	115-140 6-17	90386-18M44	115-140 8-36	90445-07M31	115-140 13-66	90465-08M22	115-140 18-28
90266-06M02	150-200 6-17		10-28	90445-07M31	150-200 12-66	90465-08M22	150-200 17-31
90266-06009	220A 6-16	90386-18M44	150-200 8-36	90445-07M38	220A 12-66	90465-11M10	A.P. 5-16
90266-06009	115-140 6-16	90386-22M13	220A 10-17	90445-07M38	115-140 13-66	90465-11M10	220A 13-19
90266-06009	150-200 6-16	90386-22M13	115-140 11-20	90445-07M38	150-200 12-66	90465-11M10	115-140 9-13
90269-03010	220A 8-21	90386-22M13	150-200 10-20	90445-07M45	220A 3-21		14-19
90269-03010	115-140 8-21	90386-25M31	220A 8-12	90445-07M45	150-200 3-21	90465-11M10	150-200 9-13
90269-03010	150-200 8-21	90386-25M31	115-140 8-12	90445-07M46	220A 3-23		13-19
90280-04M05	220A 12-25	90386-25M31	150-200 8-12	90445-07M46	115-140 3-22	90465-13M11	220A 5- 5
	22-61	90386-38M32	220A 8-40	90445-07M46	150-200 3-23		5-41
90280-04M05	115-140 13-25	90386-38M32	115-140 8-40	90445-07M59	220A 3-22		9-13
	22-92	90386-38M32	150-200 8-40	90445-07M59	150-200 3-22		13-20
90280-04M05	150-200 12-25	90387-06M03	220A 16- 3	90445-07M70	220A 19- 5		19- 4
	21-61	90387-06M03	115-140 17- 3	90445-07M70	150-200 18- 5		20- 4
90280-05015	220A 14- 8	90387-06M03	150-200 16- 3	90445-07M71	220A 19- 6		20- 7
90280-05015	115-140 15-10	90387-06M29	220A 10-24	90445-07M71	115-140 19- 5		20-13
90280-05015	150-200 14-10	90387-06M29	115-140 11-34	90445-07M71	150-200 18- 6		20-35
90282-04010	220A 12-62	90387-06M29	150-200 10-34	90445-07M72	220A 19- 7	90465-13M11	115-140 5- 4
90282-04010	115-140 13-62	90387-08M16	220A 10-16	90445-07M72	150-200 18- 7		14-20
90282-04010	150-200 12-62	90387-08M16	115-140 11-19	90445-07M73	115-140 19- 6		19- 4
90340-08M02	220A 12- 4	90387-08M16	150-200 10-19	90445-11M88	220A 20-12		20- 4

NUMERICAL INDEX

Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.
90465-13M11	115-140 20- 7	90501-11M10	150-200 12-13	92901-04100	A.P. 7-15	92903-06600	115-140 1-25
	20-13	90501-12M13	A.P. 9- 2	92903-05100	A.P. 7-19		1-32
	20-34	90501-12082	220A 10-39		8-15		1-40
90465-13M11	150-200 5- 5	90501-12082	115-140 11-49	92903-05600	A.P. 7-20		1-48
	5-41	90501-12082	150-200 10-49		8-14		2- 6
	13-20	90501-16M11	220A 1-35	92903-05600	220A 3-32		3-12
	18- 4	90501-16M11	150-200 1-35		5-18		3-25
	19- 4	90501-16M12	115-140 11-15		18-16		5-30
	19- 7	90501-16M12	150-200 10-15		18-20		7-15
	19-13	90501-16M22	115-140 1-35	92903-05600	115-140 3-31		7-29
	19-34	90501-16M28	220A 8-57		5-17		11-39
90465-13M18	220A 1-54	90501-16M28	115-140 8-57		17-13		15-12
90465-13M18	150-200 1-54	90501-16M28	150-200 8-57		17-21		15-19
90465-13M21	150-200 17-30	90501-16M37	220A 12-45	92903-05600	150-200 3-32		17-15
90467-08004	220A 1-46	90501-16M37	115-140 13-45		5-18		17-18
90467-08004	115-140 1-46	90501-16M37	150-200 12-45	92903-06100	A.P. 7- 6		18- 3
90467-08004	150-200 1-46	90502-20M03	220A 8-19	92903-06100	220A 3-15		18-10
90468-07M01	220A 19- 8	90502-20M03	115-140 8-19		5-13		18-16
90468-07M01	115-140 19- 7	90502-20M03	150-200 8-19		14-16		20-20
90468-07M01	150-200 18- 8	90506-09M09	115-140 10-22	92903-06100	115-140 3-15	92903-06600	150-200 1-20
90468-18008	220A 10-33	90506-23M10	115-140 10- 9		5-12		1-25
90468-18008	115-140 11-43	90508-29M12	220A 10-19		15-23		1-32
90468-18008	150-200 10-43	90508-29M12	115-140 11-23	92903-06100	150-200 3-15		1-40
90480-06M16	220A 14- 4	90508-29M12	150-200 10-23		5-13		1-48
90480-06M16	115-140 15- 4	90560-12M01	A.P. 4- 5		14-21		2- 6
	15- 7	90601-31402	A.P. 5-17	92903-06200	220A 10-10		3- 5
90480-06M16	150-200 14- 4		5-30	92903-06200	115-140 3- 5		3-12
	14- 7	91490-20015	115-140 10-19		11-10		3-26
90480-06066	150-200 16-21	91490-25015	115-140 10- 8	92903-06200	150-200 10-10		5- 3
90480-06157	220A 16-17		10-12	92903-06600	A.P. 8-10		5-31
90480-09M12	220A 16- 2	91490-30025	220A 8-32	92903-06600	220A 1-20		7-15
	18-22	91490-30025	115-140 8-32		1-25		7-29
90480-09M12	115-140 17- 2		10-24		1-32		10-39
90480-09M12	150-200 16- 2	91490-30025	150-200 8-32		1-40		14-12
90480-12M32	220A 16- 9	91490-40030	220A 13-25		1-48		14-18
90480-12M32	150-200 16-10	91490-40030	115-140 14-25		2- 6		16-14
90480-18065	115-140 1-33	91490-40030	150-200 13-25		3- 5		16-17
90480-20M05	220A 1-33	91609-30010	115-140 18-14		3-12		16-20
90480-20M05	150-200 1-33	91690-30010	220A 17- 9		3-26		17- 3
90480-21M33	220A 7-33	91690-30010	150-200 17-13		5- 3		17- 9
90480-21M33	115-140 7-33	91690-30012	220A 10- 3		5-31		17-15
90480-21M33	150-200 7-33	91690-30012	115-140 11- 3		7-15		19-20
90480-22M15	220A 7-16	91690-30012	150-200 10- 3		7-29	92903-08100	220A 1-16
90480-22M15	115-140 7-16	91690-30014	220A 8-18		10-29		10- 5
90480-22M15	150-200 7-16	91690-30014	115-140 8-18		14-10	92903-08100	115-140 1-16
90501-05M46	220A 21-15	91690-30014	150-200 8-18		14-13		11- 5
90501-05M46	115-140 21-15	91690-30016	220A 19-18		16-13	92903-08100	150-200 1-16
90501-05M46	150-200 20-15	91690-30016	115-140 19-16		16-16		10- 5
90501-10M21	220A 8-33	91690-30016	150-200 18-18		17- 5	92903-08600	220A 10-37
90501-10M21	115-140 8-33	92380-06015	220A 8-58		17-11		15-16
90501-10M21	150-200 8-33	92380-06015	115-140 8-58		18- 7		15-18
90501-11M10	220A 12-13	92380-06015	150-200 8-58		20-20	92903-08600	115-140 11-47
90501-11M10	115-140 13-13	92680-06090	A.P. 3-42	92903-06600	115-140 1-20		16-16

NUMERICAL INDEX

Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.
92903-08600	115-140 16-18	92990-08600	115-140 10-11	93101-30M17	220A 12-61	93210-37160	220A 22-45
92903-08600	150-200 10-47		10-18		22-50		22-54
	15-16		12-10	93101-30M17	115-140 13-61	93210-37160	115-140 13-17
	15-18		12-16		22-64		22-59
92990-04200	220A 16- 7		12-20		22-81		22-75
92990-04200	115-140 17- 9		13-34	93101-30M17	150-200 12-61		22-85
92990-04200	150-200 16- 8		16-20		21-50	93210-37160	150-200 12-17
92990-06600	220A 1-52	92990-08600	150-200 11-10	93102-35M13	220A 2-23		21-45
	2-27		11-16		22-10		21-54
	6-11		11-20	93102-35M13	115-140 2-23	93210-55M14	220A 12-31
	6-21		12-34		22-26		22-48
	7-24		15-20		22-31	93210-55M14	115-140 13-31
	7-32	92990-10100	220A 8-10	93102-35M13	150-200 2-23		22-62
	8- 4		8-54		21-10		22-79
	8- 8		8-69	93102-40H14	150-200 21- 8	93210-55M14	150-200 12-31
	11-32		13- 9	93102-40M14	220A 2- 2		21-48
	17-19		13-11		22- 8	93210-58144	220A 12- 7
92990-06600	115-140 2-27	92990-10100	115-140 8-10	93102-40M14	115-140 2- 2		22-42
	6-11		8-54		22-24	93210-58144	115-140 13- 7
	6-21		8-69		22-39		22-56
	7-24		14- 9	93102-40M14	150-200 2- 2		22-73
	7-32		14-11	93106-09014	220A 12- 8	93210-58144	150-200 12- 7
	8- 4	92990-10100	150-200 8-10		22-43		21-42
	8- 8		8-54	93106-09014	115-140 13- 8	93210-74M35	220A 2-25
	10- 7		8-69		22-57		22-12
	12-32		13- 9		22-74	93210-74M35	115-140 2-25
	17- 6		13-11	93106-09014	150-200 12- 8		22-28
	18-24	92990-10600	220A 8-34		21-43		22-33
92990-06600	150-200 1-52	92990-10600	115-140 8-34	93109-38M02	220A 8-41	93210-74M35	150-200 2-25
	2-27	92990-10600	150-200 8-34	93109-38M02	115-140 8-41		21-12
	6-11	92990-12200	220A 8-71	93109-38M02	150-200 8-41	93210-86M38	220A 12-16
	6-21	92990-12200	115-140 8-71	93210-03261	220A 17-12		22-53
	7-24	92990-12200	150-200 8-71	93210-03261	115-140 18-17	93210-86M38	115-140 13-16
	7-32	92990-14600	220A 8-52	93210-03261	150-200 17-16		22-58
	8- 4	92990-14600	115-140 8-52	93210-06M38	220A 22-44		22-76
	8- 8	92990-14600	150-200 8-52	93210-08M27	A.P. 9- 6		22-84
	11-32	92990-18200	220A 13-23	93210-08287	A.P. 1-12	93210-86M38	150-200 12-16
	17-23	92990-18200	115-140 14-23		9-10		21-44
92990-08100	220A 11-22	92990-18200	150-200 13-23	93210-09165	220A 10-42		21-53
	11-24	93101-22M15	220A 2-24	93210-09165	115-140 11-52	93210-86M39	115-140 13-58
	11-26		22-11	93210-09165	150-200 10-52		22-63
92990-08100	115-140 12-22	93101-22M15	115-140 2-24	93210-16M40	220A 21-34		22-80
	12-24		22-27	93210-16M40	115-140 21-34	93210-97M55	220A 12-58
	12-26		22-32	93210-16M40	150-200 20-34		22-49
92990-08100	150-200 11-22	93101-22M15	150-200 2-24	93210-16275	A.P. 4- 9	93210-97M55	150-200 12-58
	11-24		21-11	93210-20M28	A.P. 9- 5		21-49
	11-26	93101-28M16	220A 12-27	93210-33M41	220A 21-36	93211-04M36	220A 2- 3
92990-08600	A.P. 3-37		22-47	93210-33M41	115-140 21-36		22- 9
92990-08600	220A 11-10	93101-28M16	115-140 13-27	93210-33M41	150-200 20-36	93211-04M36	115-140 2- 3
	11-16		22-61	93210-37M25	220A 5- 8		22-25
	11-20		22-78	93210-37M25	115-140 5- 7		22-40
	12-34	93101-28M16	150-200 12-27	93210-37M25	150-200 5- 8	93211-04M36	150-200 2- 3
	15-20		21-47	93210-37160	220A 12-17		21- 9

NUMERICAL INDEX

Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.
93306-208U0	220A 2-10	93501-04M02	115-140 11-48	95303-06600	150-200 3-14	97313-06020	115-140 5- 2
93306-208U0	115-140 2-10	93501-04M02	150-200 10-48		10-14		7-28
	13-57	93503-16003	220A 12-48		10-28		11-38
93306-208U0	150-200 2-10	93503-16003	115-140 13-48	95303-08600	220A 5-14		17-17
93306-209U0	220A 12-57	93503-16003	150-200 12-48	95303-08600	115-140 5-13	97313-06020	150-200 1-19
93306-209U0	150-200 12-57	93507-32009	220A 12-46	95303-08600	150-200 5-14		1-24
93310-836V2	220A 2-21	93507-32009	115-140 13-46	95380-05600	A.P. 3-10		1-51
93310-836V2	115-140 2-21	93507-32009	150-200 12-46	95380-06600	A.P. 3-43		2- 5
93310-836V2	150-200 2-21	93511-32017	220A 12-47	95380-08700	220A 11-23		3- 4
93310-954V3	220A 2- 9	93511-32017	115-140 13-47	95380-08700	115-140 12-23		3-11
93310-954V3	115-140 2- 9	93511-32017	150-200 12-47	95380-08700	150-200 11-23		5- 2
93310-954V3	150-200 2- 9	93603-21111	220A 2-17	95380-12600	220A 8-26		7-28
93311-928U5	220A 12-35	93603-21111	115-140 2-17	95380-12600	115-140 8-26		10-38
93311-928U5	150-200 12-35	93603-21111	150-200 2-17	95380-12600	150-200 8-26	97313-06025	220A 3-25
93311-940U3	220A 2- 4	93606-12019	220A 12-21	95380-14700	A.P. 4-17		10-26
93311-940U3	115-140 2- 4		22-58	95380-14800	220A 8-51	97313-06025	115-140 3-24
93311-940U3	150-200 2- 4	93606-12019	115-140 13-21	95380-14800	115-140 8-51		11-36
93315-425U7	115-140 13-42		22-89	95380-14800	150-200 8-51		17-14
93315-425V3	220A 12-42	93606-12019	150-200 12-21	95390-06600	220A 6-10	97313-06025	150-200 3-25
93315-425V3	150-200 12-42		21-58		6-27		10-36
93315-430U8	220A 12-60	93608-12M05	220A 11- 3		20-47	97313-06030	220A 1-31
93315-430U8	115-140 13-60		11-28	95390-06600	115-140 20-46		14-15
93315-430U8	150-200 12-60		13- 7	95390-06600	150-200 6-10		18- 6
93315-628U9	115-140 13-35	93608-12M05	115-140 12- 3		19-46		20-25
93317-330U2	220A 12-28		12-28	95428-31316	A.P. 8- 7		20-32
93317-330U2	115-140 13-28		14- 7	97303-06016	A.P. 7- 5	97313-06030	115-140 1-31
93317-330U2	150-200 12-28	93608-12M05	150-200 11- 3	97313-06012	115-140 3-38		15-22
93332-000U7	115-140 13-40		11-28	97313-06014	220A 5-12		18- 2
93332-000V3	220A 12-40		13- 7	97313-06014	115-140 5-11		20-25
93332-000V3	150-200 12-40	93608-12063	220A 1- 6	97313-06014	150-200 5-12		20-31
93341-930U0	220A 12-30	93608-12063	115-140 1- 6	97313-06016	220A 7-14	97313-06030	150-200 1-31
93341-930U0	115-140 13-30	93608-12063	150-200 1- 6		17- 4		14-20
93341-930U0	150-200 12-30	93700-06004	220A 8-22		17-10		17- 2
93410-16006	220A 10-45	93700-06004	115-140 8-22	97313-06016	115-140 7-14		19-25
93410-16006	115-140 11-55	93700-06004	150-200 8-22		18-15		19-31
93410-16006	150-200 10-55	94701-00160	115-140 1-49	97313-06016	150-200 7-14	97313-06035	220A 1-47
93410-18M02	220A 8-37	94701-00160	150-200 1-55		17- 8	97313-06035	115-140 1-47
93410-18M02	115-140 8-37	94701-00217	150-200 1-55		17-14	97313-06035	150-200 1-47
93410-18M02	150-200 8-37	94702-00247	220A 1-55	97313-06020	220A 1-19	97313-06040	115-140 1-39
93410-37M04	220A 8-43	95303-05600	A.P. 7-18		1-24	97313-06045	220A 1-39
93410-37M04	115-140 8-43		8-16		1-51	97313-06045	150-200 1-39
93410-37M04	150-200 8-43	95303-05600	220A 10-21		2- 5	97313-06050	220A 5-30
93410-40M03	220A 2-11		19-15		3- 4	97313-06050	115-140 5-29
93410-40M03	115-140 2-11	95303-05600	115-140 11-25		3-11	97313-06050	150-200 5-30
93410-40M03	150-200 2-11		11-31		5- 2	97313-06055	220A 14- 9
93420-36M01	220A 11-35		19-13		7-28	97313-06055	115-140 15-11
93420-36M01	115-140 12-34	95303-05600	150-200 10-25		10-28	97313-06055	150-200 14-11
93420-36M01	150-200 11-35		10-31		17-28	97313-06100	220A 20-19
93430-06024	A.P. 3-13		18-15	97313-06020	115-140 1-19	97313-06100	115-140 20-19
93430-08006	220A 12-12	95303-06600	220A 3-14		1-24	97313-06100	150-200 19-19
93430-08006	115-140 13-12	95303-06600	115-140 3-14		2- 5	97313-08020	220A 1-15
93430-08006	150-200 12-12		11-14		3- 4		10- 4
93501-04M02	220A 10-38		11-28		3-11	97313-08020	115-140 1-15

Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.	Parts No.	Model Ref.No.
97313-08020	115-140 11- 4	97395-06025	150-200 8- 3	97803-05017	150-200 4- 5		
97313-08020	150-200 1-15	97395-08016	220A 15-19		21-30		
	10- 4	97395-08016	115-140 16-19	97803-05025	115-140 3-30		
97313-08025	220A 15-15	97395-08016	150-200 15-19		17-20		
97313-08025	115-140 16-15	97395-08025	220A 12-33	97803-05030	220A 18-15		
97313-08025	150-200 15-15	97395-08025	115-140 13-33	97803-06008	115-140 15-18		
97313-08030	220A 10-36	97395-08025	150-200 12-33	97803-06010	220A 14-12		
97313-08030	115-140 11-46	97395-08030	220A 11-19	97803-06010	150-200 14-17		
97313-08030	150-200 10-46		11-21	97803-06020	220A 16-15		
97313-08045	220A 10-13	97395-08030	115-140 12-19	97803-06020	150-200 16-16		
	15-17		12-21	97803-06030	220A 16-12		
97313-08045	115-140 11-16	97395-08030	150-200 11-19	97803-06030	150-200 16-13		
	16-17		11-21		16-19		
97313-08045	150-200 10-16	97395-08045	220A 11- 9	97890-06012	220A 8- 7		
	15-17		11-15	97890-06012	115-140 8- 7		
97375-08035	220A 7-19		11-25	97890-06012	150-200 8- 7		
97375-08035	115-140 7-19		12-22	97890-06016	220A 9- 9		
97375-08035	150-200 7-19		22-59	97890-06016	115-140 9- 9		
97375-10045	220A 13- 8	97395-08045	115-140 12- 9	97890-06016	150-200 9- 9		
97375-10045	115-140 14- 8		12-15	98303-04008	A.P. 7-14		
97375-10045	150-200 13- 8		12-25	98501-03006	220A 5-27		
97375-10070	220A 13-10		13-22	98501-03006	115-140 5-26		
97375-10070	115-140 14-10		22-90	98501-03006	150-200 5-27		
97375-10070	150-200 13-10	97395-08045	150-200 11- 9	98503-04008	220A 16- 6		
97380-05025	A.P. 3-11		11-15	98503-04008	115-140 17- 8		
97380-08030	A.P. 3-36		11-25	98503-04008	150-200 16- 7		
97395-06010	220A 11-31		12-22	98503-05035	220A 5-17		
97395-06010	115-140 12-31		21-59	98503-05035	115-140 5-16		
97395-06010	150-200 11-31	97395-10045	220A 8- 9	98503-05035	150-200 5-17		
97395-06012	220A 7- 6		8-55	98580-03015	A.P. 3-41		
	17-18		8-68	98580-04006	A.P. 3-39		
97395-06012	115-140 7- 6	97395-10045	115-140 8- 9	98580-04010	A.P. 3-38		
	18-23		8-55	98580-05010	A.P. 3-40		
97395-06012	150-200 7- 6		8-68	98586-05016	A.P. 1- 9		
	17-22	97395-10045	150-200 8- 9	98680-04016	A.P. 9- 8		
97395-06016	220A 6-20		8-55	98680-04016	220A 1-11		
97395-06016	115-140 6-10		8-68	98680-04016	115-140 1-11		
	6-20	97780-40116	A.P. 5-18	98680-04016	150-200 1-11		
	10-14		5-31	98680-05008	115-140 10-21		
	17- 5		8-22	98780-05012	A.P. 3-34		
	18- 9	97780-50112	A.P. 8- 2	98780-05016	A.P. 3-35		
97395-06016	150-200 6-20	97780-60120	A.P. 8- 9	98813-03100	220A 5-28		
97395-06020	220A 2-26	97801-06018	115-140 15-15	98813-03100	115-140 5-27		
	7-23	97801-06018	150-200 14-15	98813-03100	150-200 5-28		
	12- 9	97803-05010	115-140 17-12	98902-04010	220A 4-26		
97395-06020	115-140 2-26	97803-05012	220A 18-12		22-31		
	7-23	97803-05013	115-140 22- 4	98902-04010	115-140 4-25		
	13- 9	97803-05016	220A 3-31	98902-04010	150-200 4-26		
97395-06020	150-200 2-26		18-19		21-31		
	7-23	97803-05016	150-200 3-31	98903-05025	A.P. 7-17		
	12- 9	97803-05017	220A 4- 5		8-13		
97395-06025	220A 8- 3		22-30				
97395-06025	115-140 8- 3	97803-05017	115-140 4- 4				

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



YAMAHA MOTOR CO., LTD.
2500 SHINGAI IWATA-SHI SHIZUOKA-KEN JAPAN

Copyright

All rights reserved.

No part of this publication may be
reproduced without permission.

Printed in Japan

Dec. 1983

146E5-300E1 (英語)