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30AM(689)

This Parts Catalogue is related to the parts in use for the Yamaha outboard motor 30AM'92 (689). When you are ordering replacement parts for the 30AM'92(689), 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.

- UR Use size (thickness) and/or number as required.
- UN Use as many as you need.
- AP Alternate Parts
- STD Standard
- O/S Over Size

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.

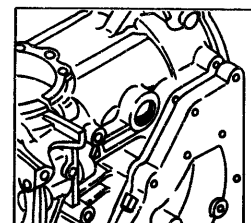
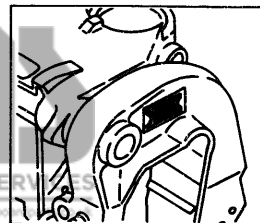
The numeral appearing to the right of each constituent part under the description indicates the quantity of such parts for each individual assembly unit.

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	. . PULLLEY, starter	1	

5. Initial Serial No. and Color Code

Engine Serial No.	30AM S : 039131 and following L : 339395 and following
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Color Code	Color Name	Abbreviate
1D	DARK BLUISH GRAY SOLID 1	DBGS 1

Fig. 1 CYLINDER. CRANKCASE

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-W0090-84-1D	CRANK CYLINDER ASSY (Ref.No. 2 to 35 and Fig. 2, Ref.No. 1 to 28)	1	18	90119-08M18	BOLT, with washer	11
2	689-15100-01-94	CRANKCASE ASSY	1	19	6H7-12411-01	THERMOSTAT	1
3	624-14485-00	.PIPE, joint	1	20	90201-21567	WASHER, plate	1
4	650-11370-00	.CHECK VALVE ASSY	1	21	655-12413-01-9M	COVER, thermostat	1
5	90119-08M18	BOLT, with washer	2	22	655-12414-A1	GASKET, cover	1
6	90119-08M20	BOLT, with washer	8	23	97313-06020	BOLT	3
7	689-15359-00-94	HOUSING, oil seal	1	24	92990-06600	WASHER, plate	3
8	93102-25M11	OIL SEAL	1	25	689-41112-A0	GASKET, exhaust cover 2	1
9	689-15369-A0	GASKET, oil seal housing	1	26	689-41113-00-9M	OUTER COVER, exhaust	1
10	90105-06M09	BOLT, washer based	4	27	689-41111-00-9M	INNER COVER, exhaust	1
11	90445-07M24	HOSE	1	28	689-41114-A0	GASKET,exhaust cover 1	1
12	90467-06016	CLIP	2	29	97313-06025	BOLT	1
13	93606-12019	PIN, dowel	2	30	92990-06600	WASHER, plate	1
14	689-11325-00	ANODE	1	31	97313-06030	BOLT	12
15	98780-06020	SCREW, flat head	1	32	92990-06600	WASHER, plate	12
16	689-11111-01-94	HEAD, cylinder 1	1	33	97313-06050	BOLT	2
17	689-11181-A0	GASKET, cylinder head 1	1	34	92990-06600	WASHER, plate	2
				35	689-45113-A1	GASKET, upper casing	1
				36	94702-00272	PLUG, spark (NGK BR7HS)	2

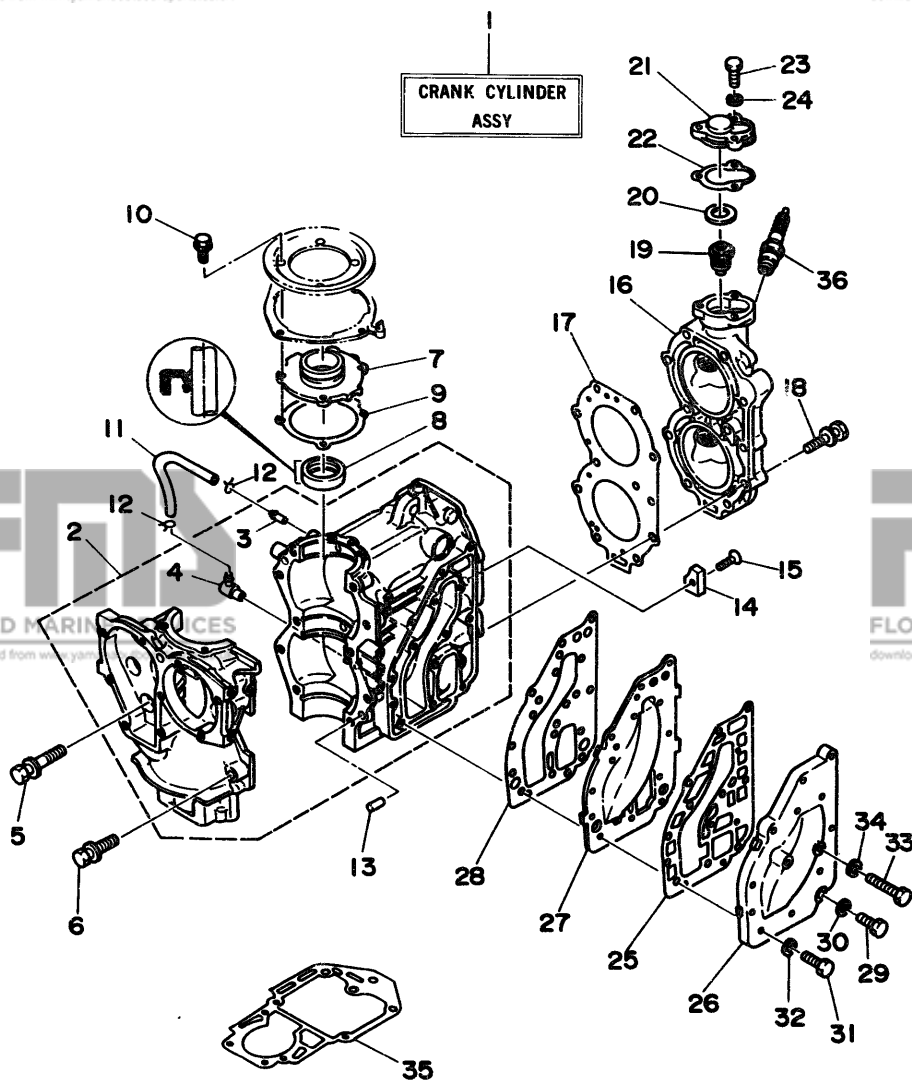


Fig. 2 CRANKSHAFT. PISTON

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-11400-03	CRANKSHAFT ASSY	1	17	93101-25M35	OIL SEAL	1
2	689-11412-03	.CRANK 1	1	18	93101-16M36	OIL SEAL	1
3	689-11422-02	.CRANK 2	1	19	93210-57M09	O-RING	1
4	689-11432-02	.CRANK 3	1	20	97395-06022	BOLT	1
5	689-11442-02	.CRANK 4	1	21	92990-06600	WASHER, plate	1
6	689-11651-00	.ROD, connecting	2	22	689-11631-00-95	PISTON (STD)	2
7	689-11681-01	.PIN, crank 1	2		689-11635-00	PISTON (0.25MM O/S)	2 AP
8	90209-24M03	.WASHER	4		689-11636-00	PISTON (0.50MM O/S)	2 AP
9	93310-624U5	.BEARING, cylindrical	2	23	689-11610-01	PISTON RING SET (STD)	2
10	93306-306U3	.BEARING	1		689-11610-11	PISTON RING SET (0.25MM O/S)	2 AP
11	93390-00009	.BEARING	1		689-11610-21	PISTON RING SET (0.50MM O/S)	2 AP
12	93306-305U3	.BEARING	1	24	93602-20M02	PIN, dowel	68
13	689-11515-00	.SEAL, labyrinth 1	1	25	689-11633-00	PIN, piston	2
14	93440-62057	.CIRCLIP	1	26	688-11634-00	CLIP, piston pin	4
15	90201-50306	WASHER, plate	1	27	90201-20M27	WASHER, plate	4
16	689-15396-01-58	HOUSING, oil seal	1	28	93210-16275	O-RING	1

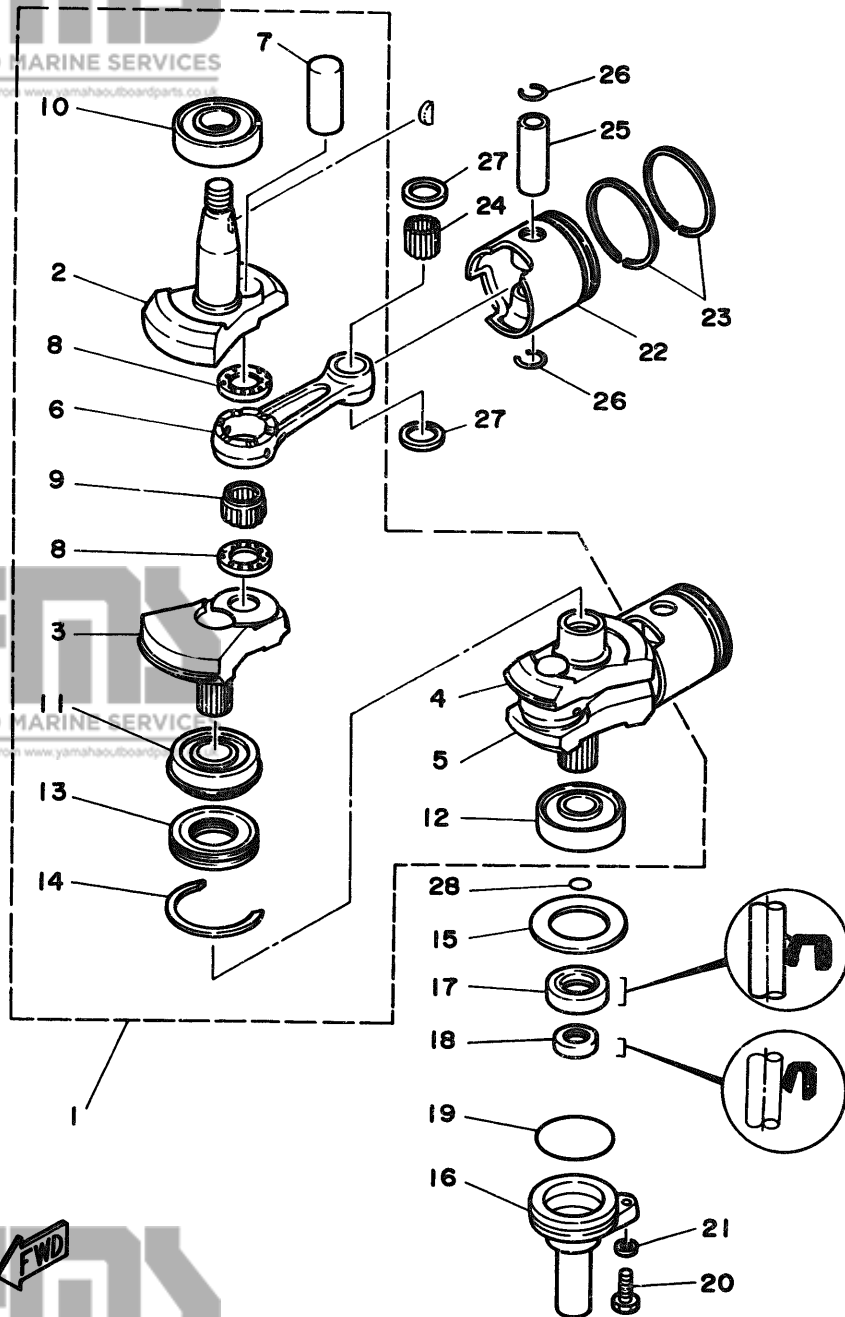
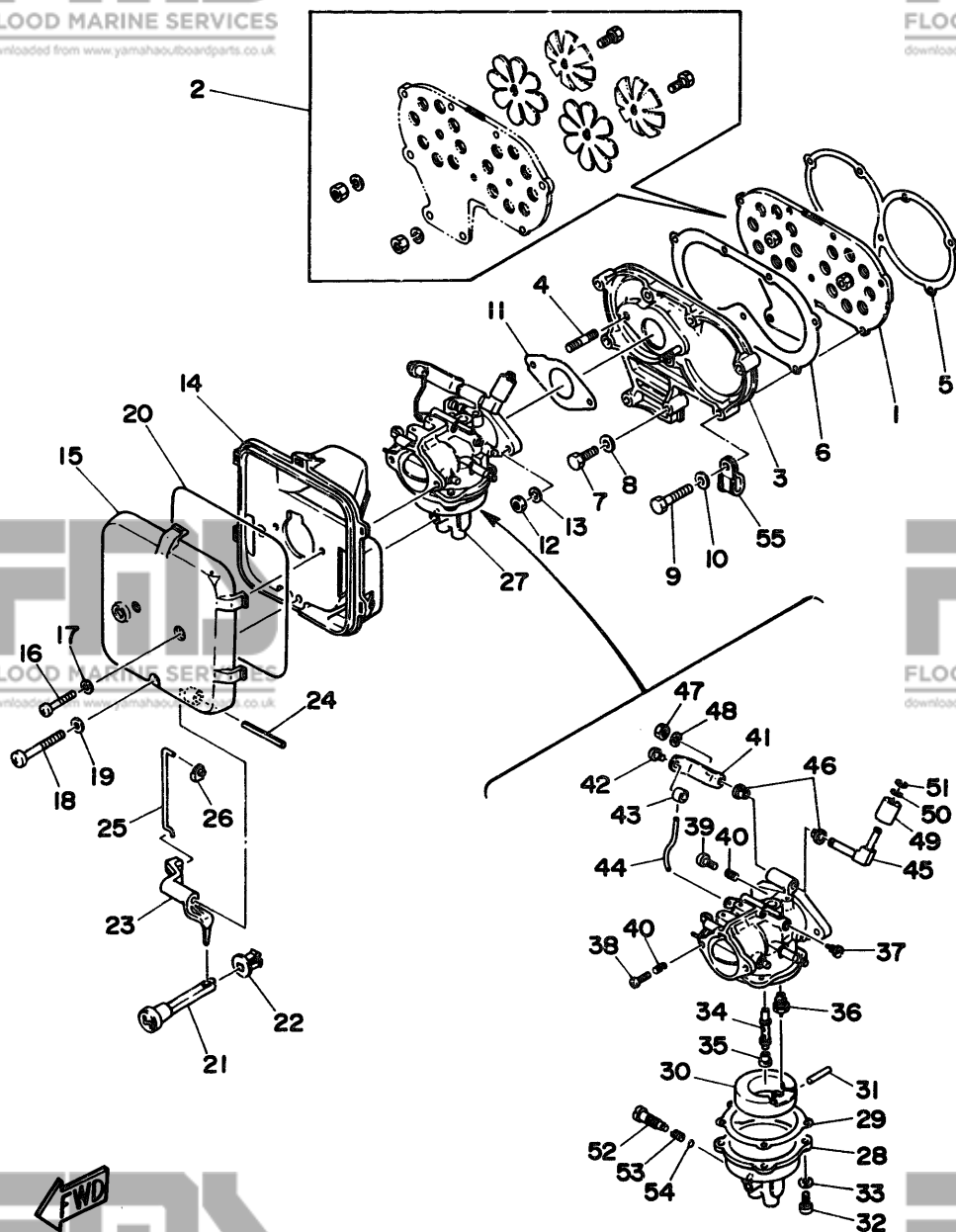


Fig. 3 INTAKE

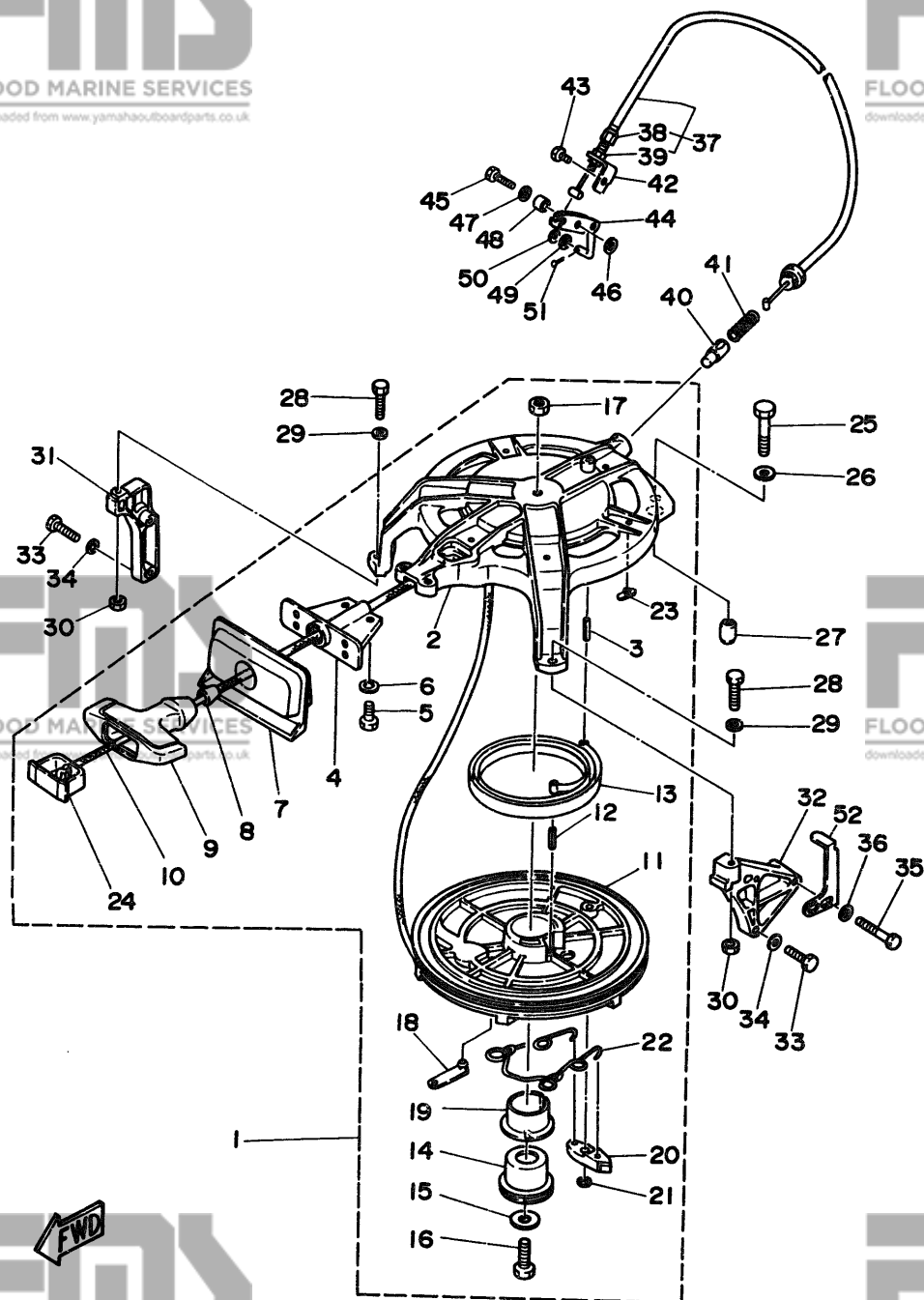


Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-13610-01	REED VALVE ASSY	1	29	648-14384-01	.GASKET, float chamber	1
2	689-W0004-00	.REED SET	1	30	648-14385-00	.FLOAT	1
3	648-13641-01-94	MANIFOLD 1	1	31	6E5-14386-01	.PIN, float	1
4	90116-05M30	BOLT, stud	2	32	98580-04012	.SCREW, pan head	4
5	648-13621-A0	GASKET, valve seat	1	33	92990-04100	.WASHER, spring	4
6	648-13645-A0	GASKET, manifold 1	1	34	689-14341-00	.NOZZLE, main	1
7	97313-06025	BOLT	2	35	689-14343-67	.JET, main (#134)	1
8	92990-06600	WASHER, plate	2	36	648-14390-14	.NEEDLE VALVE ASSY	1
9	97013-06035	BOLT	7	37	689-14342-27	.JET, pilot (# 54)	1
10	92990-06600	WASHER, plate	7	38	98503-04014	.SCREW, pan head	1
11	648-14198-A0	GASKET	1	39	647-14323-00	.SCREW, air adjusting	1
12	95380-06600	NUT	2	40	646-14212-01	.SPRING, pilot adjusting	2
13	92990-06600	WASHER, plate	2	41	689-41210-00	.ACCEL. ARM ASSY	1
14	689-14417-01	COVER 1	1	42	677-14327-00	.SCREW	1
15	689-14418-01	COVER 2	1	43	689-41226-00	.END, throttle lever	1
16	98580-05530	SCREW, pan head	2	44	689-41241-00	.ROD, link	1
17	92990-05600	WASHER, plate	2	45	648-W4121-00	.SHEAVE SHAFT, accel. link	1
18	98580-05550	SCREW, pan head	1	46	90386-05002	.BUSH	2
19	92990-05600	WASHER, plate	1	47	95303-05700	.NUT	1
20	93211-62M24	O-RING	1	48	92990-05100	.WASHER, spring	1
21	682-41271-00	KNOB, choke	1	49	664-41231-00	.COLLAR, guide pin	1
22	689-41273-00	GROMMET	1	50	92990-05200	.WASHER, plain	1
23	689-41252-01	LEVER, choke	1	51	93430-04031	.CIRCLIP	1
24	91690-40048	PIN, spring	1	52	646-14394-00	.VALVE, drain	1
25	689-41256-00	ROD, choke 1	1	53	646-14223-01	.SPRING, drain valve	1
26	661-41262-02	JOINT, choke lever	1	54	646-14397-00	.O-RING	1
27	689-14301-81	CARBURETOR ASSY 1	1	55	90461-06M01	CLAMP	1
28	689-14381-00	.BODY, float chamber	1				

Fig. 4 STARTER

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-15710-03	STARTER ASSY	1	27	99510-12016	PIN, dowel	1
2	676-15711-00-94	CASE, starter	1	28	97395-06030	BOLT	2
3	91690-40020	PIN, spring	1	29	92990-06600	WASHER, plate	2
4	689-15758-01-94	GUIDE, rope	1	30	95303-06600	NUT	2
5	97395-06016	BOLT	2	31	6H7-15771-01-94	STAY 1	1
6	92990-06600	WASHER, plate	2	32	656-15772-00-94	STAY 2	1
7	689-15762-01	SEAL, rubber 2	1	33	97313-06025	BOLT	4
8	689-15789-00	DAMPER	1	34	92990-06600	WASHER, plate	4
9	689-15755-01	HANDLE, starter	1	35	97313-06045	BOLT	1
10	*	WIRE (L:2095MM)	1	36	92990-06600	WASHER, plate	1
11	676-15714-00-94	DRUM, sheave	1	37	656-15770-00	CABLE COMP., starter stop	1
12	91690-40020	PIN, spring	1	38	90123-06049	BOLT	1
13	90510-09M00	SPRING, spiral	1	39	95303-06600	NUT	2
14	676-15717-00	SHAFT, starter	1	40	656-15748-00	PLUNGER, starter stop	1
15	90201-08309	WASHER, plate	1	41	90501-10227	SPRING, compression	1
16	97013-08025	BOLT	1	42	689-15774-00	STAY 4	1
17	95303-08600	NUT	1	43	97313-06010	BOLT	1
18	676-15799-01	CLIP	1	44	656-15749-00	LINK, starter stop	1
19	90386-35M01	BUSH	1	45	97313-06020	BOLT	1
20	676-15741-03	PAWL, drive	1	46	92990-06600	WASHER, plate	1
21	93430-06M02	CIRCLIP	1	47	90206-08010	WASHER, wave	1
22	676-15705-00	SPRING, drive pawl	1	48	90387-06568	COLLAR	1
23	676-15773-00	STAY 3	6	49	90206-05005	WASHER, wave	1
24	6F5-15779-02	COVER	1	50	92990-05600	WASHER, plate	1
25	97090-08035	BOLT	1	51	91490-16010	PIN, cotter	1
26	92990-08600	WASHER, plate	1	52	689-81332-01	PLATE, timing	1

*Cut from 50m rolls, parts No. 90890-44373, cutting length 2.095m.



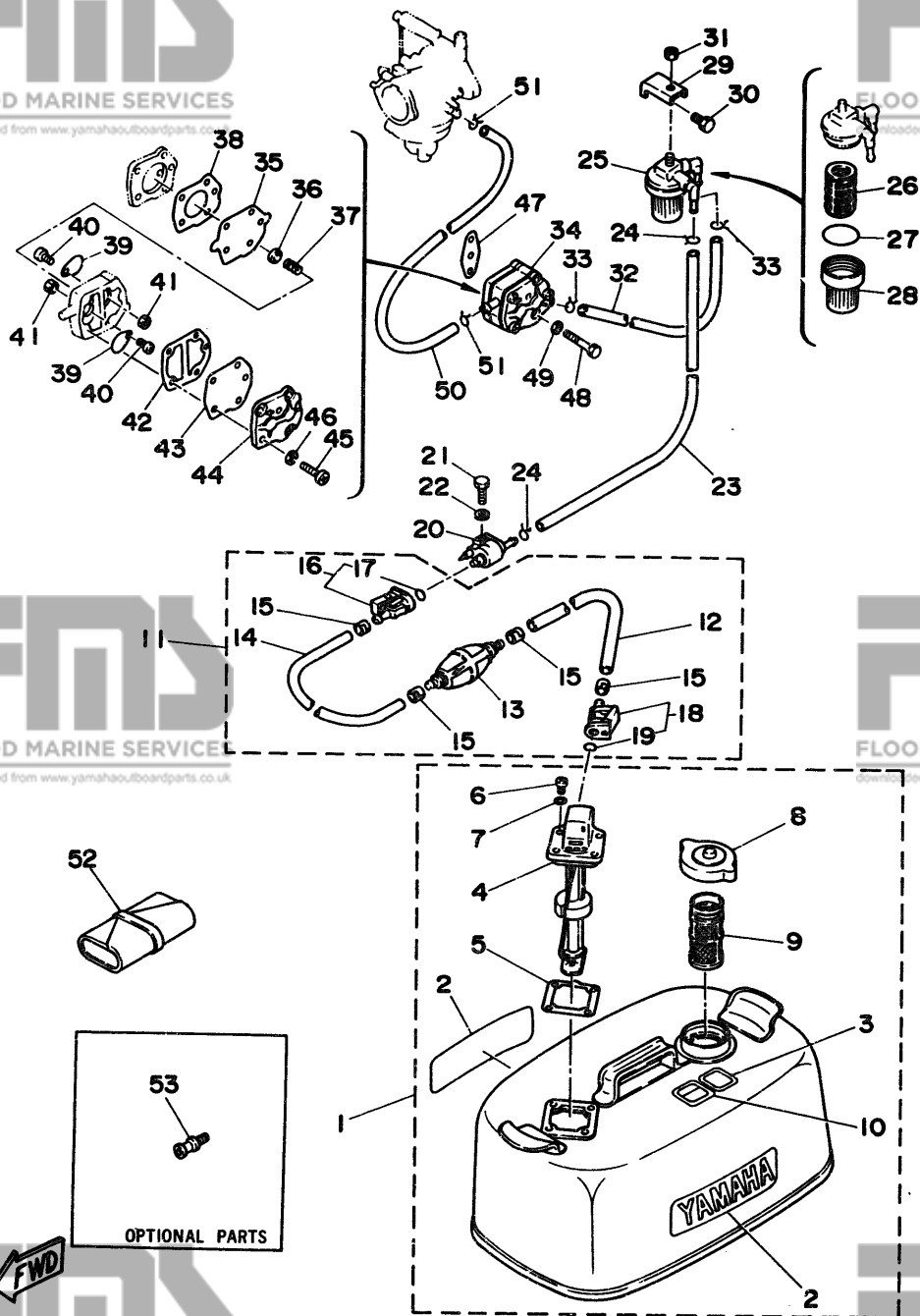


Fig. 5 FUEL

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6Y1-W2420-62-24	FUEL TANK ASSY	1	28	655-24521-01	.CUP, filter	1
2	6Y1-24246-00	.GRAPHIC, side	2	29	648-24566-01	BRACKET, filter	1
3	6Y1-24257-00	.GRAPHIC	1	30	97013-06012	BOLT	1
4	6Y1-24260-02	.FUEL METER ASSY	1	31	95380-08600	NUT	1
5	6Y1-24268-00	.GASKET, fuel meter	1	32	689-24311-00	PIPE, fuel 1	1
6	98586-05016	.SCREW, pan head	4	33	90467-08004	CLIP	2
7	6Y1-24329-00	.SEAL	4	34	6A0-24410-04	FUEL PUMP ASSY	1
8	6Y1-24610-00	.CAP ASSY	1	35	648-24411-00	.DIAPHRAGM	1
9	6Y1-24167-00	.STRAINER	1	36	648-24424-00	.SEAT, spring	1
10	6Y1-24255-80	.GRAPHIC, fuel tank 8	1	37	648-24423-00	.SPRING, diaphragm	1
11	6Y1-24306-05	FUEL PIPE COMP. 1	1	38	648-24434-01	.GASKET, body	1
#12	90445-11M06	.HOSE (L2050)	1	39	6A0-24421-01	.VALVE, check	2
13	6Y1-24360-02	.PRIMER PUMP ASSY	1	40	6A0-14325-00	.SCREW, pan head	2
#14	90445-11M05	.HOSE (L850)	1	41	95380-03600	.NUT	2
15	650-24351-01	.BAND 1	4	42	648-24435-02	.GASKET, body 2	1
16	661-24305-01	.FUEL PIPE JOINT COMP. 2	1	43	663-24411-00	.DIAPHRAGM	1
17	93210-08287	..O-RING	1	44	648-24413-01	.BODY 2	1
18	6Y1-24305-01	.FUEL PIPE JOINT COMP. 2	1	45	98580-05530	.SCREW, pan head	3
19	93210-08287	..O-RING	1	46	92990-05100	.WASHER, spring	3
20	661-24304-02	FUEL PIPE JOINT COMP. 1	1	47	650-24431-A0	GASKET, fuel pump 1	1
21	97395-06020	BOLT	1	48	97395-06040	BOLT	2
22	92990-06600	WASHER, plate	1	49	92990-06600	WASHER, plate	2
23	90445-09M25	HOSE	1	50	648-24312-01	PIPE 2	1
24	90467-08004	CLIP	2	51	90467-08004	CLIP	2
25	655-24560-01	FILTER ASSY	1	52	656-W2810-01	TOOL KIT	1
26	6F5-24563-00	.ELEMENT, filter	1	53	6E0-28193-00-94	PLUG, water check	1 AP
27	93210-37M25	..O-RING	1				

#Also available in 30m rolls. (Parts No. 90890-56878)

Fig. 6 TOP COWLING

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-42610-80-1D	TOP COWLING ASSY	1	8	90266-04M01	.RIVET	3
2	689-42613-00-1D	.MOLDING, air duct	1	9	660-42651-02	.HOOK	1
3	97395-06012	.BOLT	4	10	90266-04M00	.RIVET	2
4	92990-06600	.WASHER, plate	4	11	695-42681-80	.MARK, cowling	2
5	689-15761-00	.SEAL, rubber 1	1	12	689-W0070-80	.GRAPHIC SET	1
6	660-42615-00	.SEAL	1	13	689-42677-80	.GRAPHIC, front	1
7	689-42647-00	.HOLDER, clamp band	1	14	689-42678-80	.GRAPHIC, rear	1

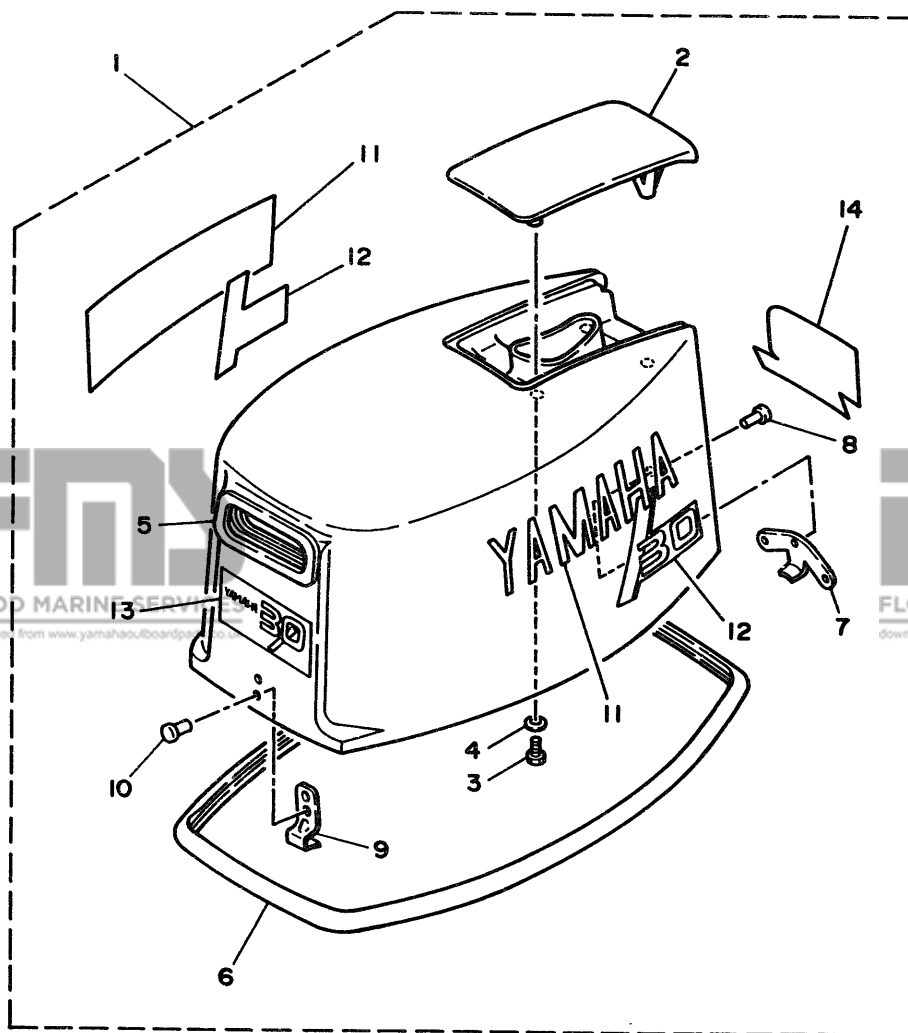
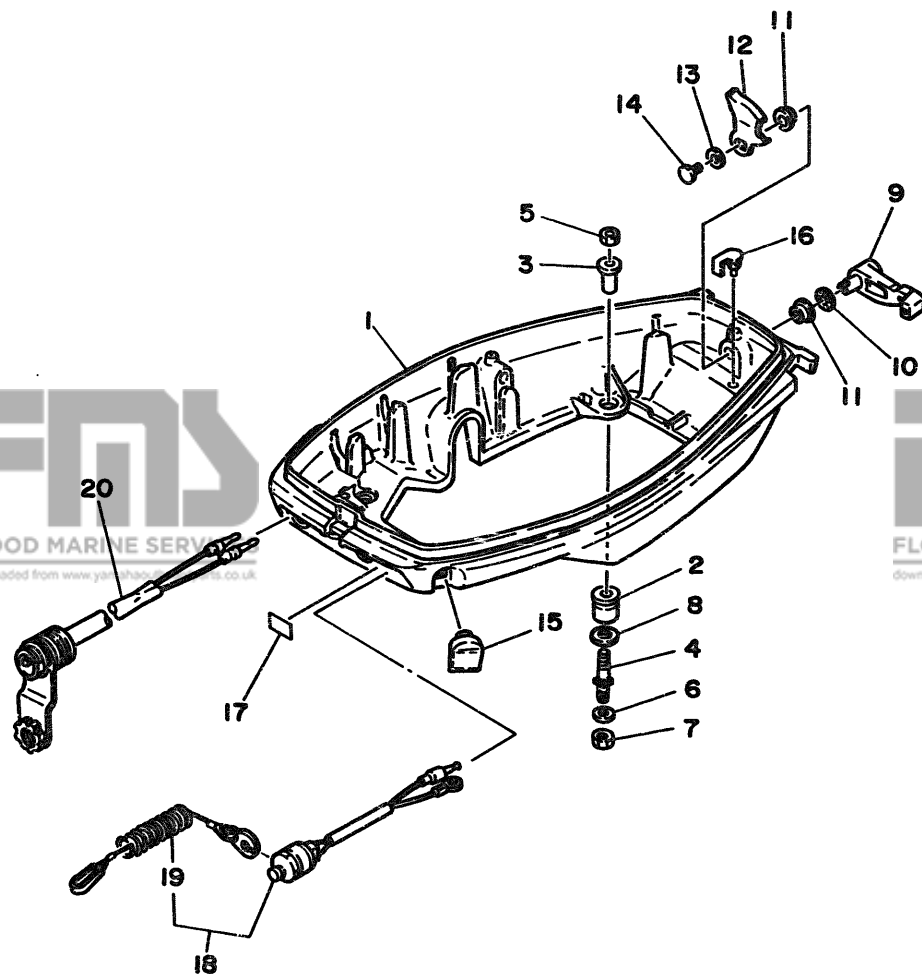


Fig. 7 BOTTOM COWLING

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-42711-01	10 COWLING, bottom	1	11	90386-12069	BUSH	2
2	90480-15M06	GROMMET	4	12	689-42816-00	LEVER, clamp	1
3	90387-08M25	COLLAR	4	13	90201-06M02	WASHER, plate	1
4	660-42796-00	BOLT 1	4	14	97313-06010	BOLT	1
5	95380-08700	NUT	4	15	689-42725-00	GROMMET	1
6	92990-08600	WASHER, plate	4	16	647-42523-00	SPACER, friction	1
7	95380-08700	NUT	4	17	6A1-42792-01	MARK	1
8	90201-08M87	WASHER, plate	4	18	689-82575-02	ENGINE STOP SWITCH ASSY	1
9	689-42815-00	LEVER, clamp	1	19	682-82556-00	.STOPPER	1
10	90206-12052	WASHER, wave	1	20	682-84381-00	2P CONCENT	1



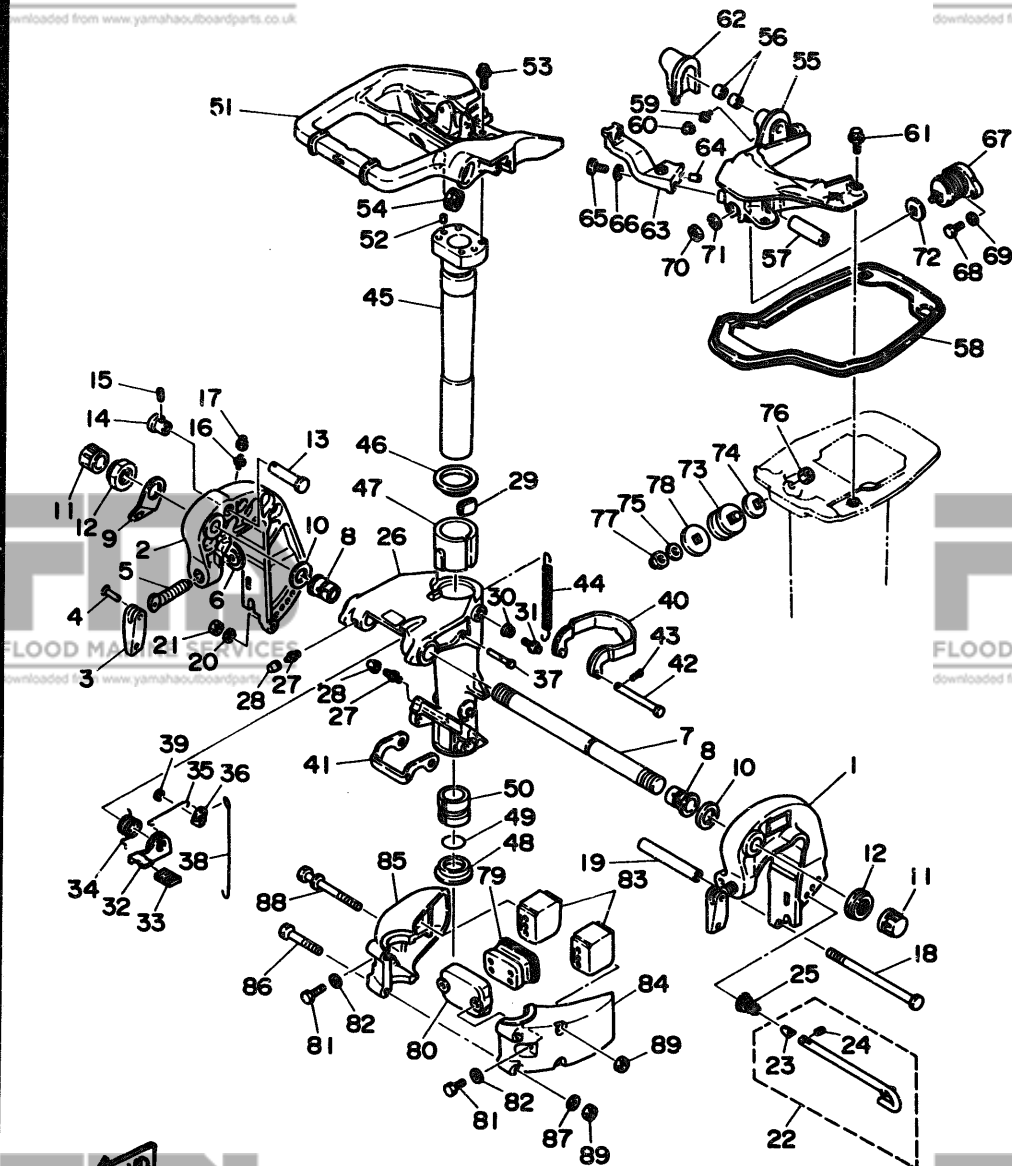


Fig. 8 BRACKET

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-43111-02-1D	BRACKET, clamp	1	46	90209-47016	WASHER	1
2	689-43112-02-1D	BRACKET, clamp	1	47	90386-47M22	BUSH	1
3	616-43118-00-1D	HANDLE, transom clamp	2	48	90386-38022	BUSH	1
4	90243-04M00	PIN	2	49	93210-37160	O-RING	1
5	90149-14030	SCREW	2	50	90386-38090	BUSH	1
6	648-43114-01	PAD, transom clamp	2	51	689-42511-00-1D	BRACKET, steering	1
7	6J8-43131-01	BOLT, clamp bracket	1	52	93608-12063	PIN, dowel	2
8	90386-22M67	BUSH	2	53	90105-06M07	BOLT, washer based	4
9	6J8-43113-01	PLATE, clamp bracket	1	54	90480-29045	GROMMET	1
10	90201-22428	WASHER, plate	2	55	648-44518-01-58	BRACKET COMP.	1
11	663-43145-00	CAP, clamp bracket	2	56	90380-12012	BUSH, solid	2
12	90185-22043	NUT, self-locking	2	57	90387-10M39	COLLAR	1
13	689-43191-00	SHAFT, stopper	1	58	689-42716-00	RUBBER, seal 1	1
14	689-43192-01	KNOB, stopper	1	59	93700-06004	NIPPLE, grease	1
15	91690-30016	PIN, spring	1	60	663-45119-00	CAP, grease nipple	1
16	93700-06004	NIPPLE, grease	1	61	90105-06M08	BOLT, washer based	4
17	663-45119-00	CAP, grease nipple	1	62	689-42718-00	RUBBER, seal 3	1
18	90101-08339	BOLT	1	63	648-44519-00-94	BRACKET	1
19	90387-08M03	COLLAR	1	64	93606-12019	PIN, dowel	1
20	92990-08600	WASHER, plate	1	65	97395-06018	BOLT	1
21	95380-03600	NUT	1	66	92990-06600	WASHER, plate	1
22	682-43160-01	TILT ROD ASSY	1	67	689-44516-00	MOUNT DAMPER, upper front	1
23	656-43165-01	PLATE, tilt lock	1	68	97395-06020	BOLT	2
24	91690-30008	PIN, spring	1	69	92990-06600	WASHER, plate	2
25	90502-10M07	SPRING, conical	1	70	95380-10600	NUT	1
26	689-43311-03-1D	BRACKET, swivel	1	71	92990-10200	WASHER, plain	1
27	93700-06004	NIPPLE, grease	3	72	648-44591-A0	GASKET	1
28	663-45119-00	CAP, grease nipple	3	73	664-44514-00-94	MOUNT DAMPER, upper side	2
29	648-42528-00	PLATE, friction	1	74	648-44591-A0	GASKET	2
30	689-43373-01	SEAL, damper	1	75	92990-10200	WASHER, plain	2
31	90105-06M18	BOLT, washer based	1	76	95380-10600	NUT	2
32	689-43631-00	LEVER, tilt	1	77	95380-10800	NUT, crown	2
33	689-43633-00	COVER, tilt lever	1	78	664-44591-A0	GASKET	2
34	689-43643-00	SPRING	1	79	689-44557-00	MOUNT DAMPER, lower front	1
35	689-43616-00	ROD, tilt lock	1	80	689-44553-00-94	COVER, lower mount	1
36	648-43642-00	LEVER, tilt 1	1	81	97395-08025	BOLT	2
37	90249-06M22	PIN	1	82	92990-08600	WASHER, plate	2
38	648-43617-00	ROD, tilt lock	1	83	689-44555-00	MOUNT DAMPER, lower side	2
39	99080-05600	CIRCLIP	1	84	689-44551-00-1D	HOUSING, lower mount rubber	1
40	689-43614-00	PLATE, tilt lock	1	85	689-44552-00-1D	HOUSING, lower mount rubber	1
41	648-43615-00	PLATE, tilt lock	1	86	97395-08065	BOLT	2
42	90240-05046	PIN, clevis	1	87	92990-08600	WASHER, plate	2
43	91490-16010	PIN, cotter	1	88	90119-08M03	BOLT, with washer	2
44	90506-30M27	SPRING, tension	1	89	95380-08600	NUT	4
45	689-42521-00-94	SHAFT, steering pivot	1				

**HANDLE STEERING
ASSY**

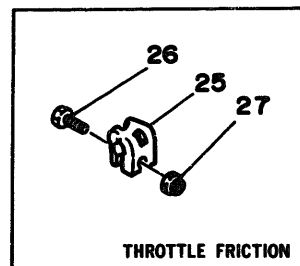
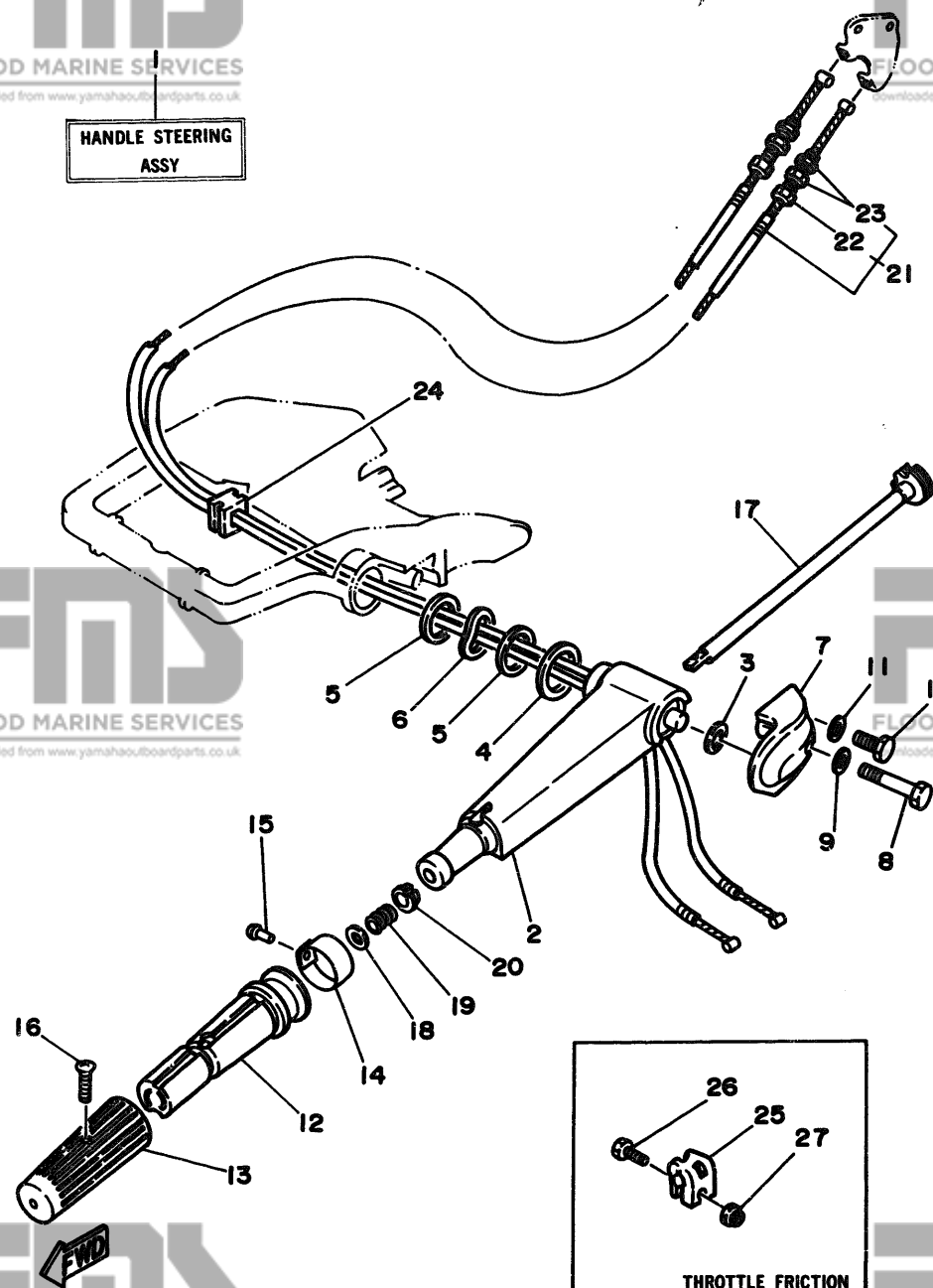
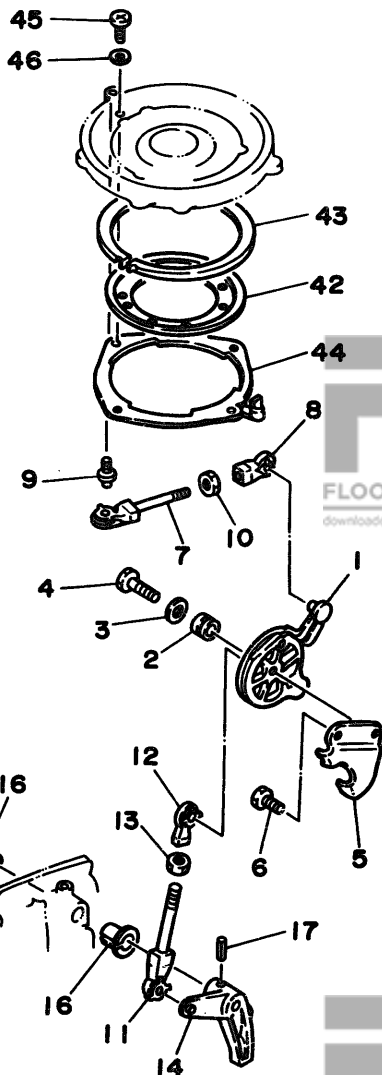
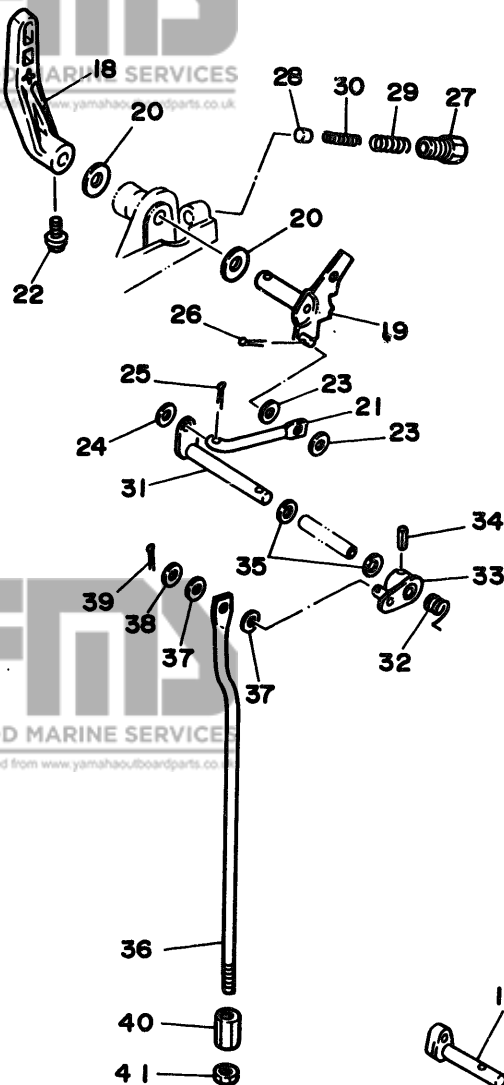


Fig. 9 STEERING

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-W0084-81-1D	HANDLE STEERING ASSY (Ref.No. 2 to 24)	1	14	689-42137-82	INDICATOR, throttle	1
2	689-42111-00-1D	HANDLE, steering	1	15	90269-02M09	RIVET	1
3	90560-14076	SPACER	1	16	90149-05M06	SCREW	1
4	90202-34043	WASHER, plate	1	17	689-42138-00	LEVER, throttle	1
5	90201-28M00	WASHER, plate	2	18	92990-10600	WASHER, plate	1
6	90206-28M07	WASHER, wave	1	19	90501-23215	SPRING, compression	1
7	689-42112-00-1D	HANDLE, steering	1	20	90386-08032	BUSH	1
8	97395-06050	BOLT	1	21	689-26311-03	CABLE, throttle 1	2
9	92990-06600	WASHER, plate	1	22	90123-06M00	.BOLT	1
10	97395-06020	BOLT	1	23	90170-06183	.NUT	2
11	92990-06600	WASHER, plate	1	24	90480-12156	GROMMET	1
12	664-42119-00	GRIP, steering handle	1	25	656-42126-01	FRICTION, steering handle grip	1
13	661-42177-00	RUBBER, handle	1	26	97395-06020	BOLT	1
				27	90185-06062	NUT, self-locking	1

Fig. 10 CONTROL

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-41631-00-94	LEVER, magneto control	1	24	92990-05600	WASHER, plate	1
2	90387-06M02	COLLAR	1	25	91490-16010	PIN, cotter	1
3	90387-06298	COLLAR	1	26	91490-12010	PIN, cotter	1
4	97313-06025	BOLT	1	27	664-42715-00	BUSHING	1
5	689-14497-00	STAY, throttle wire	1	28	664-44167-00	PLUNGER, shift cam	1
6	97013-06012	BOLT	1	29	90501-14M07	SPRING, compression	1
7	689-41636-01	ROD, magneto control	1	30	90501-09M08	SPRING, compression	1
8	6H1-41237-00	JOINT, link	1	31	689-44121-01	LEVER, shift rod	1
9	663-85518-00	JOINT, ball	1	32	90508-14M13	SPRING, torsion	1
10	95380-05600	NUT	1	33	689-44125-00	LEVER, shift rod	1
11	689-42169-01	JOINT	1	34	91690-40016	PIN, spring	1
12	6H1-41237-00	JOINT, link	1	35	90202-10024	WASHER, plate	2
13	95380-05600	NUT	1	36	660-44143-00	ROD, shift	1
14	689-42154-80-94	LEVER, throttle control	1	37	90202-06007	WASHER, plate	2
15	656-42153-00-94	SHAFT, throttle control	1	38	92990-05600	WASHER, plate	1
16	90386-10009	BUSH	2	39	91490-20010	PIN, cotter	1
17	91690-40018	PIN, spring	1	40	648-44146-00	CONNECTOR, shift rod	1
18	689-44111-00-10	HANDLE, gear shift	1	41	90170-07021	NUT	1
19	664-44113-01	CAM PLATE, handle	1	42	689-41612-01	RETAINER, magneto base	1
20	90202-12031	WASHER, plate	2	43	676-41611-00	RETAINER, magneto base	1
21	664-44142-00	JOINT	1	44	676-41613-00	PLATE, base friction	1
22	90105-06M07	BOLT, washer based	1	45	98580-05012	SCREW, pan head	4
23	90202-06007	WASHER, plate	2	46	92990-05600	WASHER, plate	4



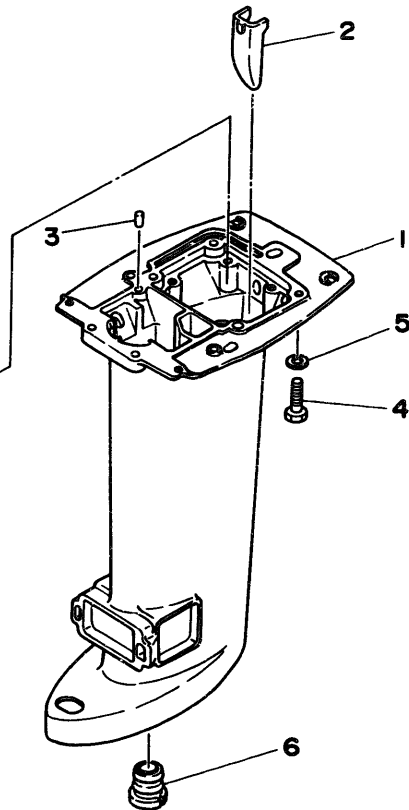
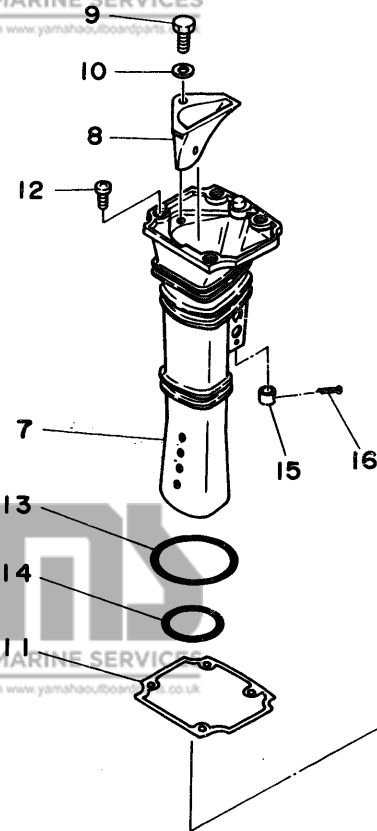
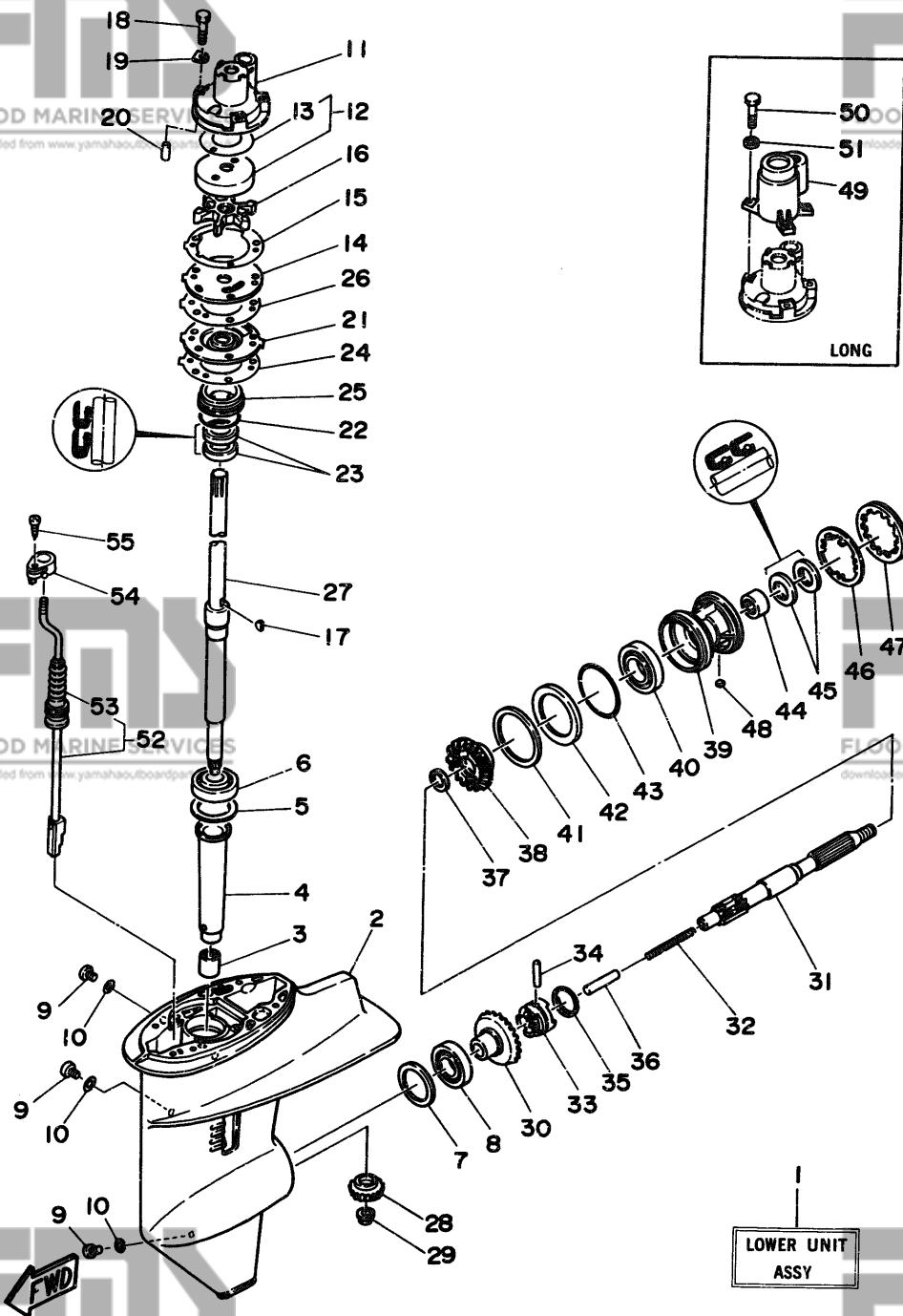


Fig. 11 UPPER CASING

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-45111-01-1D	CASING, upper (Short)	1 UR	9	97395-08020	BOLT	1
	689-45111-10-1D	CASING, upper (Long)	1 UR	10	92990-08600	WASHER, plate	1
2	689-41132-00-94	MANIFOLD, exhaust (Short)	1 UR	11	664-41134-A0	GASKET, exhaust manifold	1
	689-41132-10-94	MANIFOLD, exhaust (Long)	1 UR	12	92580-06016	SCREW, pan head	4
3	93606-12019	PIN, dowel	2	13	689-41141-00	SEAL 1	1
4	97395-08030	BOLT	6	14	689-41142-00	SEAL	1
5	92990-08600	WASHER, plate	6	15	6A8-41135-00	GASKET, exhaust manifold (Short)	1 UR
6	689-45127-00	SEAL	1		689-41135-00	GASKET, exhaust manifold (Long)	1 UR
7	689-41131-00-5B	MANIFOLD, ext. 1	1	16	91490-30030	PIN, cotter	1
8	689-41137-00-94	GUIDE, exhaust	1				

Fig. 12 LOWER CASING. DRIVE 1

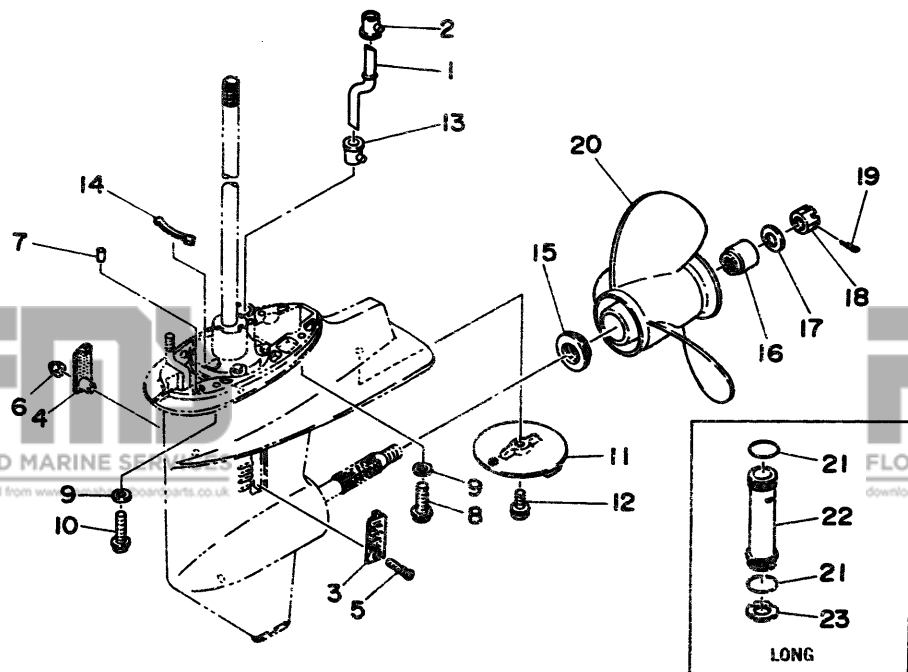
Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-45300-06-1D	LOWER UNIT ASSY (Short) (Ref.No. 2 to 48 and 52 to 55)	1 UR	25	689-45344-00-94	COVER, oil seal	1
	689-45300-16-1D	LOWER UNIT ASSY (Long) (Ref.No. 2 to 17 and 20 to 55)	1 UR	26	689-44316-A0	GASKET, water pump	1
2	689-45311-03-1D	CASING, lower	1	27	689-45501-00	DRIVE SHAFT COMP. (Short)	1 UR
3	93315-017U4	BEARING, cylindrical	1		689-45501-10	DRIVE SHAFT COMP. (Long)	1 UR
4	689-45536-00	SLEEVE, drive shaft	1	28	689-45551-00	PINION	1
5	664-45587-01-10	SHIM (T:0.10MM)	1 UR	29	90179-09M02	NUT	1
	664-45587-01-12	SHIM (T:0.12MM)	1 UR	30	689-45560-00	GEAR	1
	664-45587-01-15	SHIM (T:0.15MM)	1 UR	31	689-45611-01	SHAFT, propeller	1
	664-45587-01-18	SHIM (T:0.18MM)	1 UR	32	90501-10065	SPRING, compression	1
	664-45587-01-30	SHIM (T:0.30MM)	1 UR	33	664-45631-00	CLUTCH, dog	1
	664-45587-01-40	SHIM (T:0.40MM)	1 UR	34	90250-05010	PIN, straight	1
	664-45587-01-50	SHIM (T:0.50MM)	1 UR	35	648-45633-00	RING, cross pin	1
6	93332-000U4	BEARING	1	36	648-45635-00	PLUNGER, shift	1
7	664-45567-01-10	SHIM (T:0.10MM)	1 UR	37	90201-20417	WASHER, plate	1
	664-45567-01-12	SHIM (T:0.12MM)	1 UR	38	689-45571-00	GEAR	1
	664-45567-01-15	SHIM (T:0.15MM)	1 UR	39	689-45331-01-94	HOUSING, bearing	1
	664-45567-01-18	SHIM (T:0.18MM)	1 UR	40	93306-00609	BEARING	1
	664-45567-01-30	SHIM (T:0.30MM)	1 UR	41	664-45577-01-10	SHIM (T:0.10MM)	1 UR
	664-45567-01-40	SHIM (T:0.40MM)	1 UR		664-45577-01-12	SHIM (T:0.12MM)	1 UR
	664-45567-01-50	SHIM (T:0.50MM)	1 UR		664-45577-01-15	SHIM (T:0.15MM)	1 UR
8	93332-00005	BEARING	1		664-45577-01-18	SHIM (T:0.18MM)	1 UR
9	90340-08M04	PLUG, straight screw	3		664-45577-01-30	SHIM (T:0.30MM)	1 UR
10	90430-08020	GASKET	3		664-45577-01-40	SHIM (T:0.40MM)	1 UR
11	689-44311-03	HOUSING, water pump	1		664-45577-01-50	SHIM (T:0.50MM)	1 UR
12	689-44432-02	INSERT CARTRIDGE COMP.	1	42	664-45576-00	WASHER, thrust	1 UN
13	689-44367-01	DAMPER, water seal	1	43	93210-60MA3	O-RING	1
14	689-44323-03	OUTER PLATE, cartridge	1	44	93315-22004	BEARING, cylindrical	1
15	689-44324-A0	GASKET, cartridge	1	45	93101-20M07	OIL SEAL	2
16	689-44352-02	IMPELLER	1	46	90214-45M02	WASHER, claw	1
17	664-44338-00	KEY, woodruff	1	47	664-45384-00	NUT	1
18	90101-06M56	BOLT	3	48	90282-04010	KEY, straight	1
19	90209-06M04	WASHER	3	49	689-44312-00-5B	COVER, water pump housing (Long)	1
20	93604-10M03	PIN, dowel	2	50	97395-06035	BOLT (Long)	3
21	689-44325-02-5B	PROTECTOR, oil seal	1	51	92390-06600	WASHER, plate (Long)	3
22	93210-40M10	O-RING	1	52	695-44150-00	SHIFT CAM ASSY (Short)	1 UR
23	93101-22067	OIL SEAL	2		695-44150-10	SHIFT CAM ASSY (Long)	1 UR
24	689-44315-A0	GASKET, water pump	1	53	664-44147-00	.BOOT, shift rod	1
				54	689-44176-01	BRACKET	1
				55	97780-50110	SCREW, tapping	1



LOWER UNIT
ASSY

Fig. 13 LOWER CASING. DRIVE 2

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	664-44361-00	TUBE, water (Short)	1 UR	15	664-45987-01	SPACER	1
2	689-44361-10	TUBE, water (Long)	1 UR	16	689-45997-00	SPACER	1
3	689-44366-00	DAMPER, water seal	1	17	92990-14200	WASHER, plain	1
4	689-45214-01	COVER, water inlet	1	18	90171-14013	NUT, castle	1
5	689-45215-01	COVER, water inlet	1	19	91490-30030	PIN, cotter	1
6	98680-05525	SCREW, oval head	1	20	664-45943-01-EL	PROPELLER (3X9-7/8"X8"-F)	1 UR
7	90185-05002	NUT, self-locking	1		664-45941-01-EL	PROPELLER (3X9-7/8"X9"-F)	1 UR
8	93606-12019	PIN, dowel	2		664-45945-00-EL	PROPELLER (3X9-7/8"X10-1/2"-F)	1 UR
9	90105-10059	BOLT, washer based	2		664-45947-01-EL	PROPELLER (3X9-7/8"X11-1/4"-F)	1 UR
10	92990-10600	WASHER, plate	4		664-45949-02-EL	PROPELLER (3X9-7/8"X13"-F)	1 UR
11	90105-10M12	BOLT, washer based	2		664-45952-00-EL	PROPELLER (3X9-7/8"X14"-F)	1 UR
12	664-45371-01	TAB-TRIM	1	21	93210-26240	O-RING (Long)	2
13	90105-08M02	BOLT, washer based	1	22	689-44362-00-94	TUBE, water (Long)	1
14	626-44365-01	DAMPER, water seal	1	23	689-44328-03	PLATE (Long)	1
15	689-44314-00	SPACER	1				



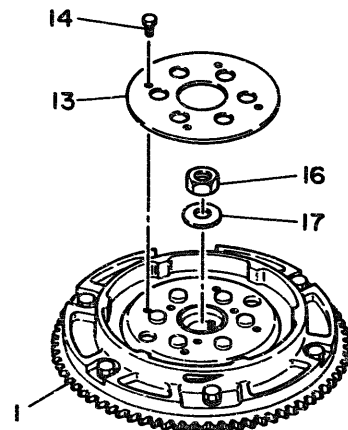
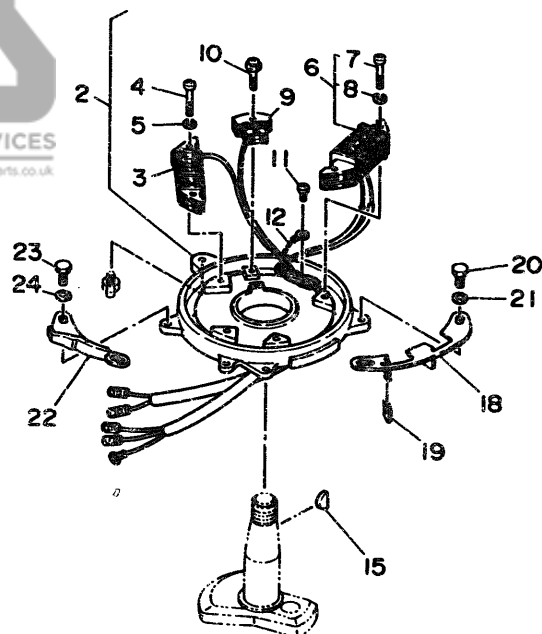


Fig. 14 MAGNETO

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-85550-41	ROTOR ASSY	1	13	6A8-81362-00	COVER, hole	1
2	689-85560-A2	BASE ASSY	1	14	97313-08012	BOLT	3
3	689-81311-40	COIL, ignition 1	1	15	90280-05049	KEY, woodruff	1
4	98503-05025	.SCREW, pan head	2	16	90179-16M05	NUT	1
5	92901-05100	.WASHER, spring	2	17	90201-16M44	WASHER, plate	1
6	689-81303-A0	.LIGHTING COIL ASSY	1	18	689-41615-80	STOPPER, magneto base	1
7	98503-05025	.SCREW, pan head	2	19	689-44194-00	CAP	1
8	92901-05100	.WASHER, spring	2	20	97313-06010	BOLT	2
9	689-85580-40	.COIL, pulser	1	21	92990-06600	WASHER, plate	2
10	97902-04122	.SCREW, with washer	2	22	689-41213-80-94	CAM, accel.	1
11	98501-04006	.SCREW, pan head	1	23	97395-05016	BOLT	2
12	689-81315-40	.LEAD WIRE ASSY	1	24	92990-05600	WASHER, plate	2



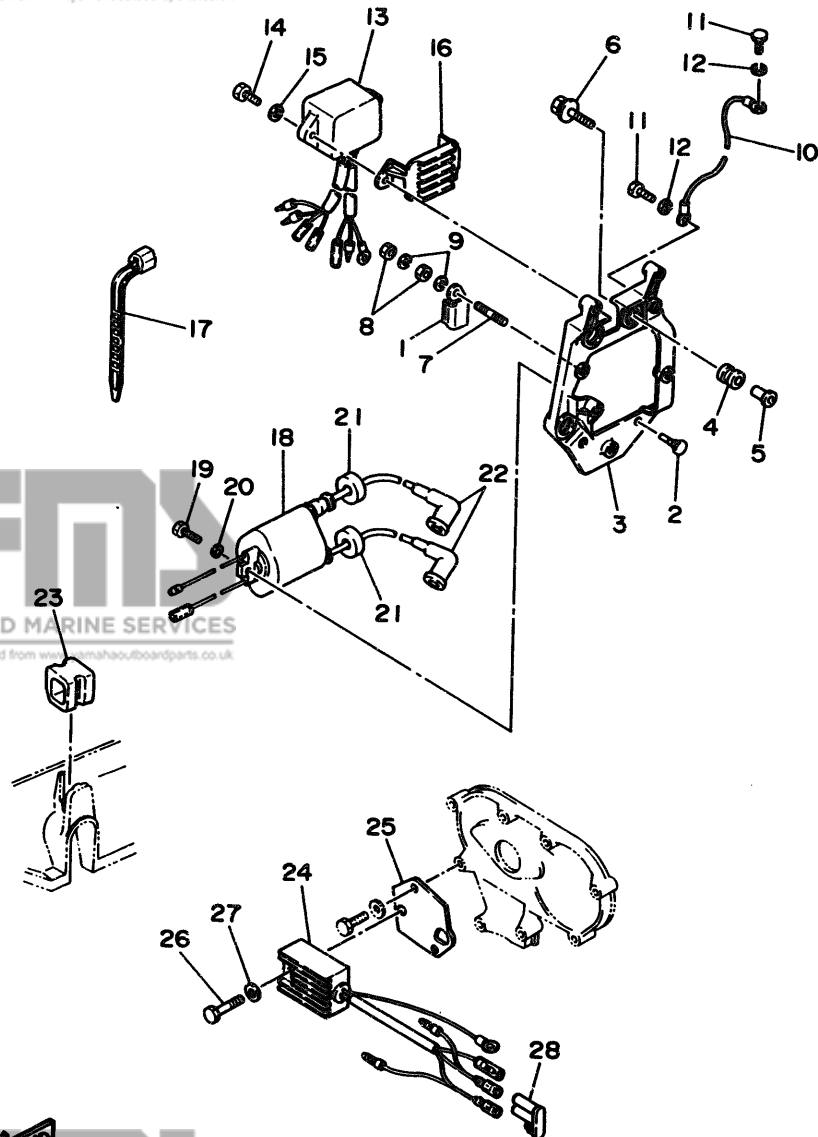


Fig. 15 ELECTRICAL

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	90465-08N05	CLAMP	1	15	92990-06600	WASHER, plate	2
2	689-85547-00	DAMPER	1	16	689-85548-01	HOLDER	1
3	689-85542-00-94	BRACKET	1	17	90465-13M39	CLAMP	1
4	6A0-82317-00	DAMPER, ignition coil	3	18	689-85570-20	IGNITION COIL ASSY	1
5	624-42542-00	PIPE	3	19	97313-06025	BOLT	2
6	90119-06M63	BOLT, with washer	3	20	92990-06600	WASHER, plate	2
7	90116-06M07	BOLT, stud	1	21	90480-25161	GROMMET	2
8	95303-06600	NUT	2	22	6E3-82370-20	PLUG CAP ASSY	2
9	92990-06100	WASHER, spring	2	23	90480-17M08	GROMMET	2
10	689-82519-00	WIRE, earth lead	1	24	6J8-81960-00	RECTIFIER & REGULATOR ASSY	1
11	97013-06012	BOLT	2	25	695-81915-00	PLATE, regulator fitting	1
12	92990-06100	WASHER, spring	2	26	97395-06016	BOLT	1
13	689-85540-20	C.D.I. UNIT ASSY	1	27	92990-06600	WASHER, plate	1
14	97395-06025	BOLT	2	28	6E5-82582-00	COVER, wire harness	1

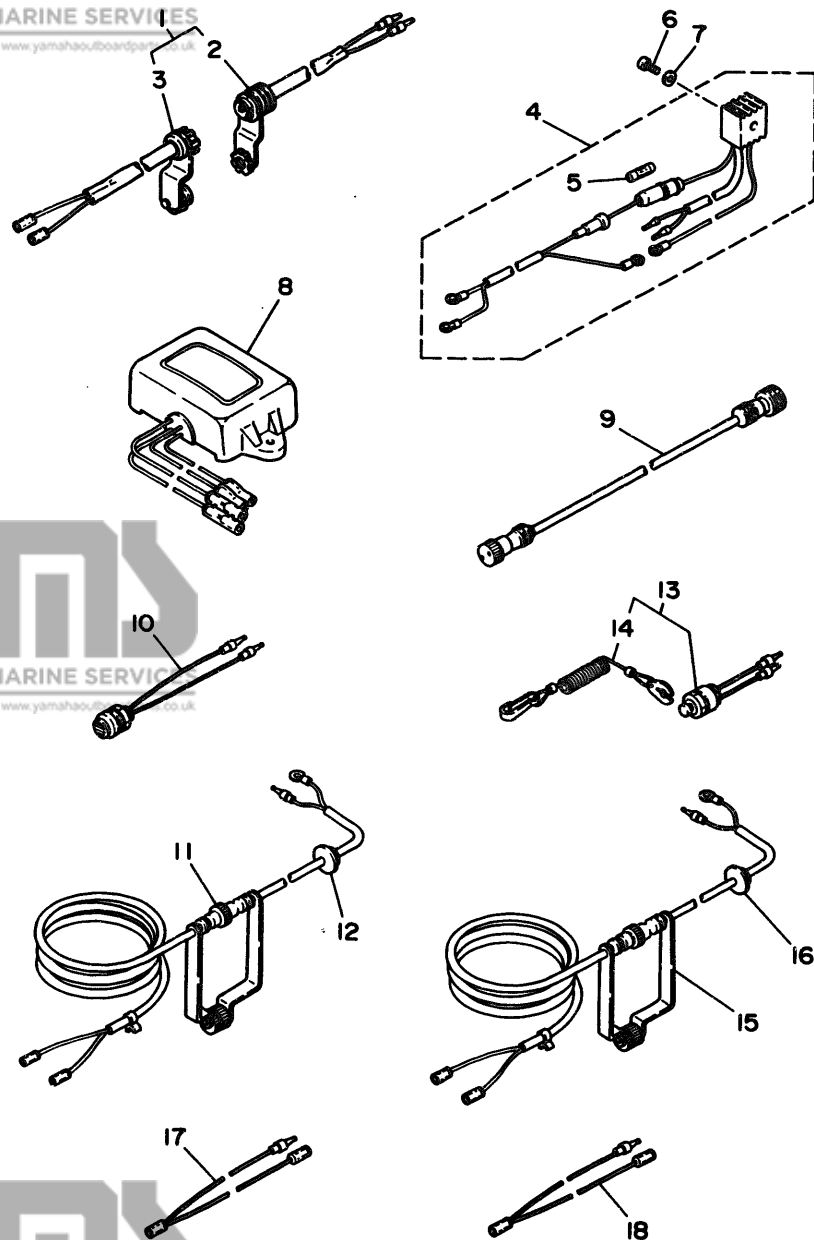


Fig. 16 OPTIONAL PARTS 1

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	682-84380-00	CONCENT 2P	1	10	689-82550-11	ENGINE STOP SWITCH ASSY	1
2	682-84381-00	2P CONCENT	1	11	689-82553-20	EXTENSION, wire lead	1
3	682-84382-00	2P CONCENT	1	12	689-42725-40	GROMMET	1
4	676-81970-00	RECTIFIER ASSY	1	13	689-82575-12	ENGINE STOP SWITCH ASSY	1
5	682-82151-00	FUSE	1	14	682-82556-00	STOPPER	1
6	98503-05025	SCREW, pan head	1	15	689-82553-20	EXTENSION, wire lead	1
7	92990-05600	WASHER, plate	1	16	689-42725-40	GROMMET	1
8	663-81910-10	VOLTAGE REGULATOR ASSY	1	17	699-82149-A0	WIRE, lead 3	1
9	689-82553-10	EXTENSION, wire lead	1	18	699-82149-00	WIRE, lead 3	1

Fig. 17 OPTIONAL PARTS 2

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6Y5-W0080-12	TACHOMETER KIT	1	16	663-83553-A0	.WIRE, lead	1
2	6Y5-83540-12	.TACHOMETER ASSY	1	17	663-83553-Y0	.WIRE, lead	1
3	688-83516-00	..BULB	1	18	6Y5-W0081-40	SPEEDOMETER KIT	1
4	6Y5-83536-10	..SOCKET, meter	1	19	6Y5-83510-30	.SPEEDOMETER ASSY	1
5	6Y5-83523-00	..DAMPER	1	20	688-83516-00	..BULB	1
6	6Y5-83514-00	..PLATE, fitting	1	21	6Y5-83536-10	..SOCKET, meter	1
7	6Y5-83553-00	.WIRE, lead	1	22	6Y5-83523-00	..DAMPER	1
8	1E6-82151-00	..FUSE (10A)	1	23	6Y5-83514-00	..PLATE, fitting	1
9	6Y5-83553-10	WIRE, lead	1	24	688-83557-00	..TUBE	1
10	6Y5-W0088-31	HOUR METER KIT	1	25	90465-11M10	..CLAMP	2
11	6Y5-83504-01	.HOUR METER ASSY	1	26	688-83556-01	.SENDER	1
12	688-83664-00	..DAMPER	1	27	90601-31402	.NYLON CLIP 1	5
13	6Y5-83577-00	..PLATE, fitting	1	28	97780-40116	.SCREW, tapping	5
14	6Y5-83518-00	..BULB, meter	1	29	688-82526-00	SWITCH, lamp	1
15	6Y5-83536-00	..SOCKET, meter	1				

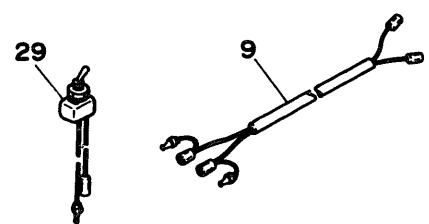
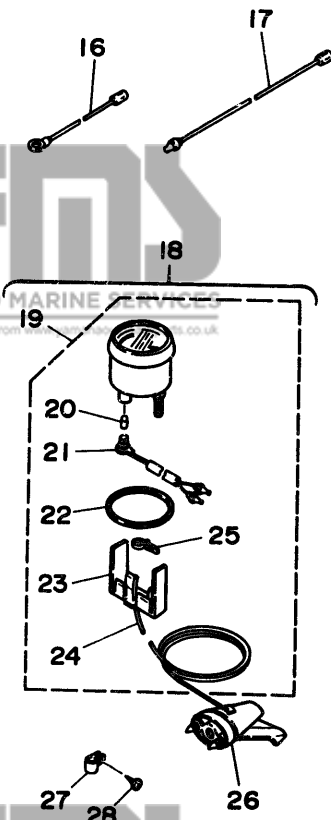
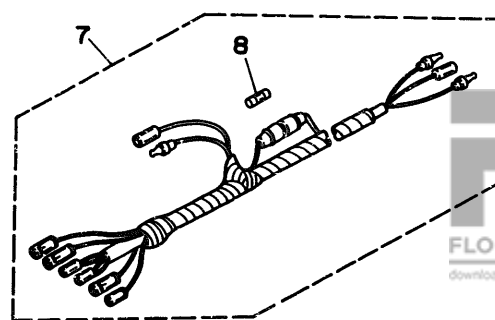
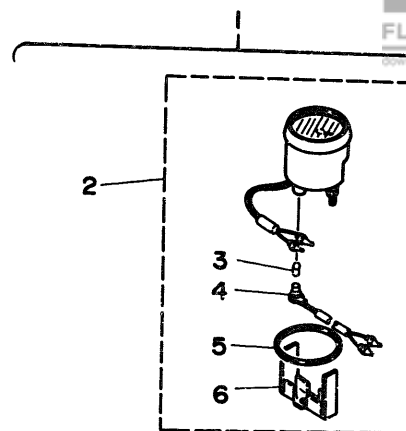
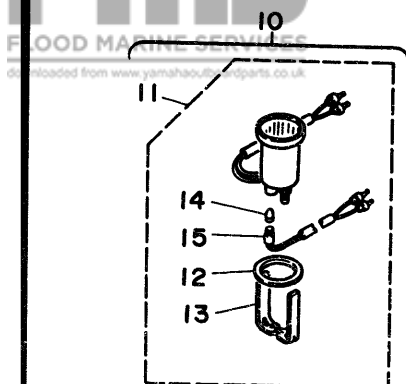


Fig. 18 REPAIR KIT 1

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-W0001-04	POWER HEAD GASKET KIT	1	16	689-41112-A0	.GASKET, exhaust cover 2	1
2	93211-62M24	.O-RING	1	17	689-45113-A1	.GASKET, upper casting	1
3	648-13621-A0	.GASKET, valve seat	1	18	93210-37M25	.O-RING	1
4	648-13645-A0	.GASKET, manifold 1	1	19	650-24431-A0	.GASKET, fuel pump 1	1
5	648-14198-A0	.GASKET	1	20	689-W0093-02	CARBURETOR REPAIR KIT	1
6	648-14384-01	.GASKET, float chamber	1	21	648-14198-A0	.GASKET	1
7	689-11181-A0	.GASKET, cylinder head 1	1	22	648-14384-01	.GASKET, float chamber	1
8	655-12414-A1	.GASKET, cover	1	23	648-14385-00	.FLOAT	1
9	689-15369-A0	.GASKET, oil seal housing	1	24	98580-04G12	.SCREW, pan head	1
10	93102-25M11	.OIL SEAL	1	25	92990-04100	.WASHER, spring	1
11	689-41114-A0	.GASKET, exhaust cover 1	1	26	648-14390-14	.NEEDLE VALVE ASSY	1
12	93210-16275	.O-RING	1	27	647-14323-00	.SCREW, air adjusting	1
13	93210-57M09	.O-RING	1	28	90386-05002	.BUSH	2
14	93101-25M35	.OIL SEAL	1	29	646-14397-00	.O-RING	1
15	93101-16M36	.OIL SEAL	1				

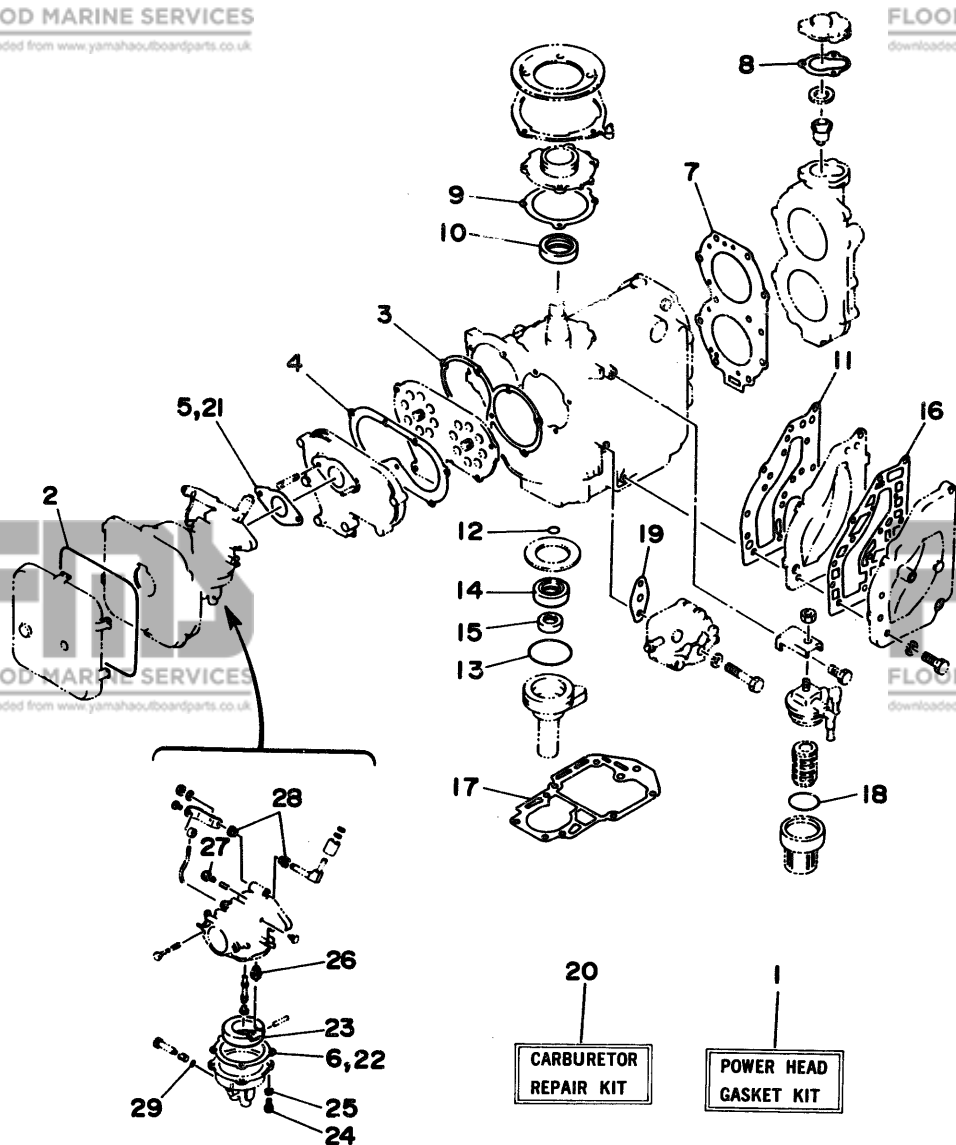
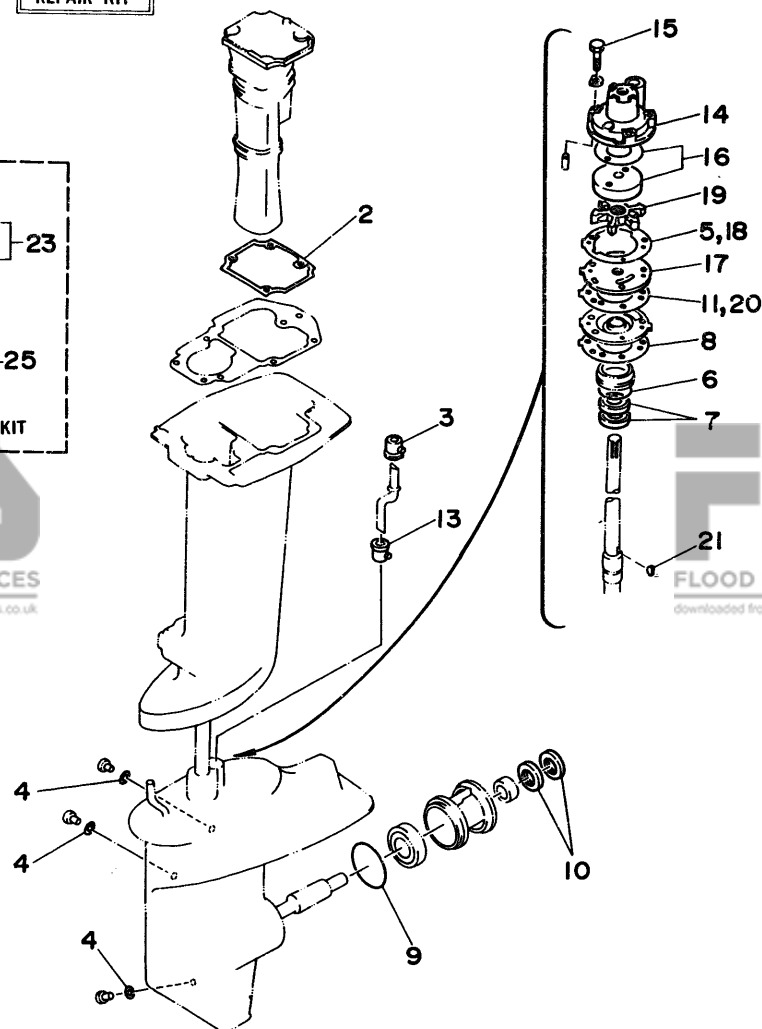
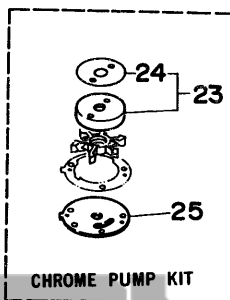


Fig. 19 REPAIR KIT 2

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-W0001-23	LOWER UNIT GASKET KIT	1	14	689-44311-03	.HOUSING, water pump	1
2	664-41134-A0	.GASKET, exhaust manifold	1	15	90101-06M56	.BOLT	3
3	689-44366-00	.DAMPER, water seal	1	16	689-W4432-02	.INSERT CARTRIDGE COMP.	1
4	90430-08020	.GASKET	3	17	689-44323-03	.OUTER PLATE, cartridge	1
5	689-44324-A1	.GASKET, cartridge	1	18	689-44324-A0	.GASKET, cartridge	1
6	93210-40M10	.O-RING	1	19	689-44352-02	.IMPELLER	1
7	93101-22067	.OIL SEAL	2	20	689-44316-A0	.GASKET, water pump	1
8	689-44315-A0	.GASKET, water pump	1	21	664-44338-00	.KEY, woodruff	1
9	93210-60MA3	.O-RING	1	22	689-W0078-3A	CHROME PUMP KIT	1
10	93101-20M07	.OIL SEAL	2	23	689-W4432-61	.INSERT CARTRIDGE COMP.	1
11	689-44316-A0	.GASKET, water pump	1	24	689-44367-01	.DAMPER, water seal	1
12	689-W0078-06	WATER PUMP REPAIR KIT	1	25	689-44323-43	.OUTER PLATE, cartridge	1
13	626-44365-01	.DAMPER, water seal	1				

LOWER UNIT
GASKET KIT

WATER PUMP
REPAIR KIT



PART NO.	REF. NO.	PART NO.	REF. NO.
689-W0001-04	18- 1	648-13645-A0	18- 4
689-W0001-23	19- 1	648-14198-A0	3-11
689-W0004-00	3- 2		18- 5
689-W0070-80	6-12		18-21
689-W0078-06	19-12	646-14212-01	3-40
689-W0078-3A	19-22	646-14223-01	3-53
6Y5-W0080-12	17- 1	689-14301-81	3-27
6Y5-W0081-40	17-18	647-14323-00	3-39
689-W0084-81-1D	9- 1		18-27
6Y5-W0088-31	17-10	6A0-14325-00	5-40
689-W0090-84-1D	1- 1	677-14327-00	3-42
689-W0093-02	18-20	689-14341-00	3-34
6Y1-W2420-62-24	5- 1	689-14342-27	3-37
656-W2810-01	5-52	689-14343-67	3-35
648-W4121-00	3-45	689-14381-00	3-28
689-W4432-02	12-12	648-14384-01	3-29
	19-16		18- 6
689-W4432-61	19-23		18-22
689-11111-01-94	1-16	648-14385-00	3-30
689-11181-A0	1-17		18-23
	18- 7	6E5-14386-01	3-31
689-111325-00	1-14	648-14390-14	3-36
650-11370-00	1- 4		18-26
689-11400-03	2- 1	646-14394-00	3-52
689-11412-03	2- 2	646-14397-00	3-54
689-11422-02	2- 3		18-29
689-11432-02	2- 4	689-14417-01	3-14
689-11442-02	2- 5	689-14418-01	3-15
689-11515-00	2-13	624-14485-00	1- 3
689-11610-01	2-23	689-14497-00	10- 5
689-11610-11	2-23	689-15100-01-94	1- 2
689-11610-21	2-23	689-15359-00-94	1- 7
689-11631-00-95	2-22	689-15369-A0	1- 9
689-11633-00	2-25		18- 9
688-11634-00	2-26	689-15396-01-58	2-16
689-11635-00	2-22	676-15705-00	4-22
689-11636-00	2-22	689-15710-03	4- 1
689-11651-00	2- 6	676-15711-00-94	4- 2
689-11681-01	2- 7	676-15714-00-94	4-11
6H7-12411-01	1-19	676-15717-00	4-14
655-12413-01-9M	1-21	676-15741-03	4-20
655-12414-A1	1-22	656-15748-00	4-40
	18- 8	656-15749-00	4-44
689-13610-01	3- 1	689-15755-01	4- 9
648-13621-A0	3- 5	689-15758-01-94	4- 4
	18- 3	689-15761-00	6- 5
648-13641-01-94	3- 3	689-15762-01	4- 7
648-13645-A0	3- 6	656-15770-00	4-37

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656-15772-00-94	4-32	664-41134-A0	11-11
676-15773-00	4-23		19- 2
689-15774-00	4-42	6A8-41135-00	11-15
6F5-15779-02	4-24	689-41135-00	11-15
689-15789-00	4- 8	689-41137-00-94	11- 8
676-15799-01	4-18	689-41141-00	11-13
6Y1-24167-00	5- 9	689-41142-00	11-14
6Y1-24246-00	5- 2	689-41210-00	3-41
6Y1-24255-80	5-10	689-41213-80-94	14-22
6Y1-24257-00	5- 3	689-41226-00	3-43
6Y1-24260-02	5- 4	664-41231-00	3-49
6Y1-24268-00	5- 5	6H1-41237-00	10- 8
6G1-24304-02	5-20		10-12
6G1-24305-00	5-16	689-41241-00	3-44
6Y1-24305-01	5-18	689-41252-01	3-23
6Y1-24306-05	5-11	689-41256-00	3-25
689-24311-00	5-32	661-41262-02	3-26
648-24312-01	5-50	682-41271-00	3-21
6Y1-24329-00	5- 7	689-41273-00	3-22
650-24351-01	5-15	676-41611-00	10-43
6Y1-24360-02	5-13	689-41612-01	10-42
6A0-24410-04	5-34	676-41613-00	10-44
648-24411-00	5-35	689-41615-80	14-18
663-24411-00	5-43	689-41636-01	10- 7
648-24413-01	5-44	689-42111-00-1D	9- 2
6A0-24421-01	5-39	689-42112-00-1D	9- 7
648-24423-00	5-37	664-42119-00	9-12
648-24424-00	5-36	656-42126-01	9-25
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648-24434-01	5-38	656-42153-00-94	10-15
648-24435-02	5-42	689-42154-80-94	10-14
655-24521-01	5-28	689-42169-01	10-11
655-24560-01	5-25	6G1-42177-00	9-13
6F5-24563-00	5-26	689-42511-00-1D	8-51
648-24566-01	5-29	689-42521-00-94	8-45
6Y1-24610-00	5- 8	647-42523-00	7-16
689-26311-03	9-21	648-42528-00	8-29
6E0-28193-00-94	5-53	624-42542-00	15- 5
689-41111-00-9M	1-27	689-42610-80-1D	6- 1
689-41112-A0	1-25	689-42613-00-1D	6- 2
	18-16	660-42615-00	6- 6
689-41113-00-9M	1-26	689-42647-00	6- 7
689-41114-A0	1-28	660-42651-02	6- 9
	18-11	689-42677-80	6-13
689-41131-00-58	11- 7	689-42678-80	6-14
689-41132-00-94	11- 2	695-42681-80	6-11

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689-42711-01-1D	7- 1	689-44314-00	13-14
664-42715-00	10-27	689-44315-A0	12-24
689-42716-00	8-58		19- 8
689-42718-00	8-62	689-44316-A0	12-26
689-42725-00	7-15		19-11
689-42725-40	16-12		19-20
	16-16	689-44323-03	12-14
6A1-42792-01	7-17		19-17
6G0-42796-00	7- 4	689-44323-43	19-25
689-42815-00	7- 9	689-44324-A0	12-15
689-42816-00	7-12		19-18
689-43111-02-1D	8- 1	689-44324-A1	19- 5
689-43112-02-1D	8- 2	689-44325-02-58	12-21
6J8-43113-01	8- 9	689-44328-03	13-23
648-43114-01	8- 6	664-44338-00	12-17
616-43118-00-1D	8- 3		19-21
6J8-43131-01	8- 7	689-44352-02	12-16
663-43145-00	8-11		19-19
682-43160-01	8-22	664-44361-00	13- 1
656-43165-01	8-23	689-44361-10	13- 1
689-43191-00	8-13	689-44362-00-94	13-22
689-43192-01	8-14	626-44365-01	13-13
689-43311-03-1D	8-26		19-13
689-43373-01	8-30	689-44366-00	13- 2
689-43614-00	8-40		19- 3
648-43615-00	8-41	689-44367-01	12-13
689-43616-00	8-35		19-24
648-43617-00	8-38	664-44514-00-94	8-73
689-43631-00	8-32	689-44516-00	8-67
689-43633-00	8-33	648-44518-01-58	8-55
648-43642-00	8-36	648-44519-00-94	8-63
689-43643-00	8-34	689-44551-00-1D	8-84
689-44111-00-1D	10-18	689-44552-00-1D	8-85
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689-44121-01	10-31	689-44555-00	8-83
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664-44142-00	10-21	648-44591-A0	8-72
660-44143-00	10-36		8-74
648-44146-00	10-40	664-44591-A0	8-78
664-44147-00	12-53	689-45111-01-1D	11- 1
695-44150-00	12-52	689-45111-10-1D	11- 1
695-44150-10	12-52	689-45113-A1	1-35
664-44167-00	10-28		18-17
689-44176-01	12-54	663-45119-00	8-17
689-44194-00	14-19		8-28
689-44311-03	12-11		8-60
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689-44312-00-58	12-49	689-45214-01	13- 3

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689-45215-01	13- 4
689-45300-06-10	12- 1
689-45300-16-10	12- 1
689-45311-03-10	12- 2
689-45331-01-94	12-39
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664-45371-01	13-11
664-45384-00	12-47
689-45501-00	12-27
689-45501-10	12-27
689-45536-00	12- 4
689-45551-00	12-28
689-45560-00	12-30
664-45567-01-10	12- 7
664-45567-01-12	12- 7
664-45567-01-15	12- 7
664-45567-01-18	12- 7
664-45567-01-30	12- 7
664-45567-01-40	12- 7
664-45567-01-50	12- 7
689-45571-00	12-38
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664-45577-01-12	12-41
664-45577-01-15	12-41
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664-45587-01-15	12- 5
664-45587-01-18	12- 5
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664-45587-01-40	12- 5
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689-45611-01	12-31
664-45631-00	12-33
648-45633-00	12-35
648-45635-00	12-36
664-45941-01-EL	13-20
664-45943-01-EL	13-20
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664-45947-01-EL	13-20
664-45949-02-EL	13-20
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682-84382-00	16- 3	90201-50306	2-15
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689-85548-01	15-16	90202-34043	9- 4
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