

689-28198-ED

30A

serial no.

30AM S:000101 and up
L:300101 and up
LL:600101 and up
30AE S:100101 and up
L:400101 and up
LL:620101 and up

30A

INTERCHANGEABILITY MARK

Whether or not there is interchangeability between the parts having the previous and new parts numbers is indicated by interchangeability marks.

Ref.No.	Parts No.	Description	Q'ty
▶ 1 *	689-42610-81-F6	TOP COWLING ASS'Y	1
◀ 2	689-42610-80-F6	TOP COWLING ASS'Y	1
▶ 3 *	689-W0070-80	. GRAPHIC SIDE SET	1s
◀ *	689-W0070-00	. GRAPHIC SIDE SET	1s

Interchangeability Mark

* Indicates new parts number

▶ } This mark is indicated serial number of marginal notes.

Mark A : The both new and previous parts are able to use for either previous or new engines.

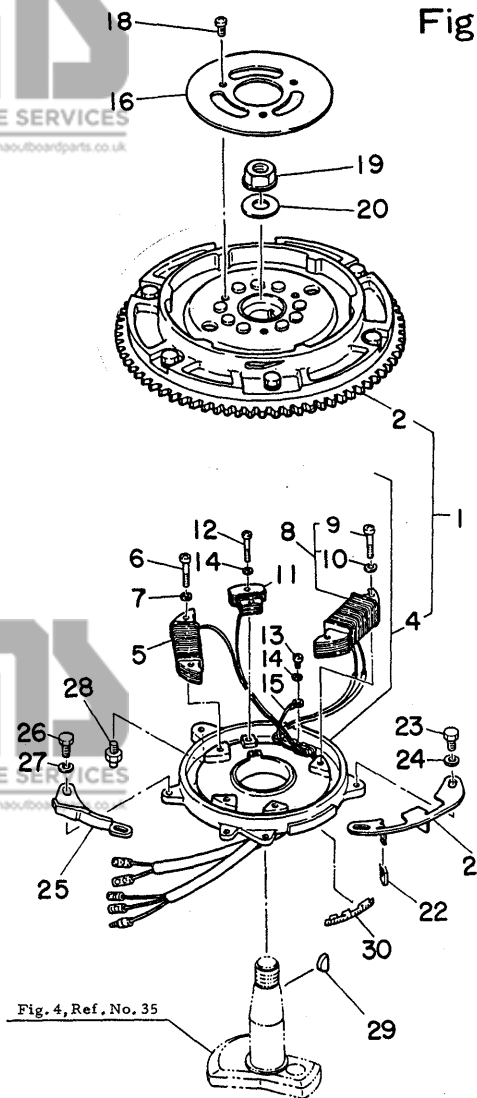
Mark B : Not interchangeable, refer to serial number of marginal notes for ordering or using of parts.

Mark C : Interchangeable, but the previous parts are not able to use for new engines.

REPAIR KIT

POWER HEAD GASKET KIT	689-W0001-02
LOWER UNIT GASKET KIT	689-W0001-20
REED SET	689-W0004-00
WATER PUMP REPAIR KIT	689-W0078-02
CHROME PUMP KIT	689-W0078-0A
SAFETY STARTER KIT	689-W0079-01
HANDLE STEERING ASS'Y	689-W0084-01-F6
CRANK CYLINDER ASS'Y	689-W0090-81
CARBURETOR REPAIR SET	689-W0093-00
LOWER UNIT ASS'Y (Short)	689-45300-00-F6
LOWER UNIT ASS'Y (Long)	689-45300-10-F6

Fig. 1 C·D·I· MAGNETO '80/'81



Ref.No.	Parts No.	Description	Q'ty
▶ 1 *	689-85500-A1	C.D.I. MAGNETO ASS'Y (80W)	1
◀ *	689-85500-A0	C.D.I. MAGNETO ASS'Y (80W)	1
▶ 2 *	689-85550-41	. ROTOR ASS'Y	1
◀ 3	689-85550-40	. ROTOR ASS'Y	1
4	689-85560-A0	. BASE ASS'Y	1
5	689-81311-40	. COIL	1
6	98501-05025	. SCREW, panhead	2
7	92901-05100	. WASHER	2
8	689-81303-A0	. LIGHTING COIL ASS'Y (80W)	1
9	98501-05025	. SCREW, panhead	2
10	92901-05100	. WASHER	2
11	689-85580-40	. PULSER	1
12	98501-04025	. SCREW, panhead	2
13	98501-04006	. SCREW, panhead	1
14	92901-04100	. WASHER	3
15	689-81315-40	. WIRE, lead	1
▶ 16 *	6A8-81362-00	COVER, hole	1
◀ 17	689-81362-00	COVER, hole	1
▶ 18 *	97313-08012	BOLT	3
◀ *	97890-05010	SCREW, panhead	4
▶ 19 *	90179-16W05	NUT	1
◀ *	90170-20137	NUT	1
▶ 20 *	90201-16M44	WASHER (16.56-306-3.2mm)	1
◀ *	90201-21W18	WASHER (216-366-3.2mm)	1
21	689-41615-80	STOPPER, magneto base 1	1
22	689-44194-00	CAP	1
23	97313-06010	BOLT	2
24	92903-06600	WASHER	2
25	689-41213-80-94	CAM, accel.	1
26	97313-05010	BOLT	2
27	92903-05600	WASHER	2
28	663-85518-00	JOINT, ball	1
29	90280-05015	KEY, woodruff	1
30	689-81335-00	MARK, timing	1

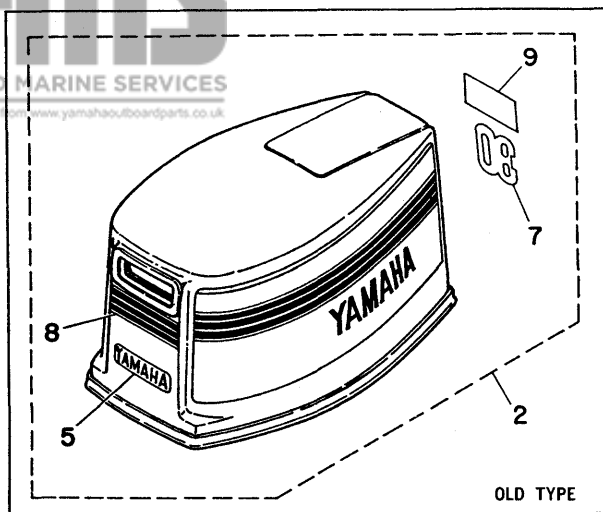
* New parts number
* Not shown

30AM S: 007186 and below
L: 308701 and up
LL: 600691 and up

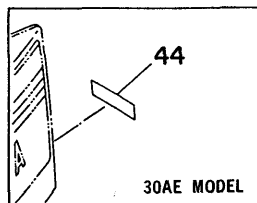
30AE S: 101390 and below
L: 404001 and up
LL: 620196 and up

Fig. 2 COWLING -'80/'81

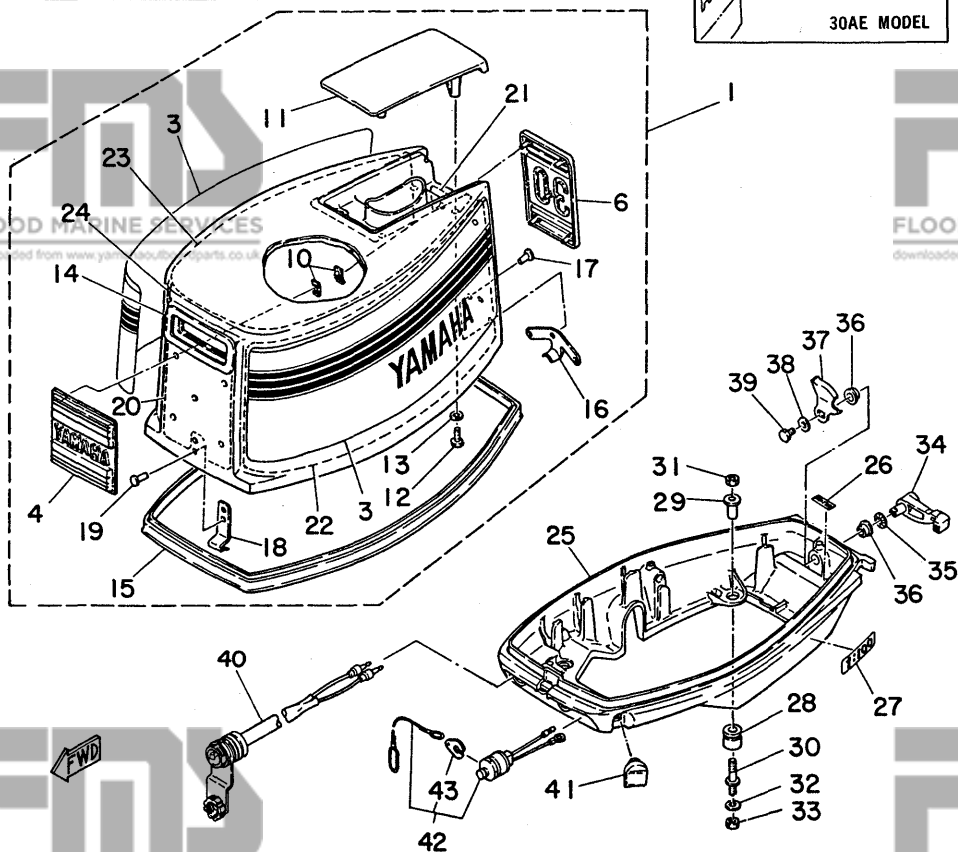
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OLD TYPE



30AE MODEL



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COWLING -'80/'81

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Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
▶ 1 *	689-42610-81-F6	TOP COWLING ASS'Y	1	22	689-42664-00	DAMPER 3	1
▶ 2	689-42610-80-F6	TOP COWLING ASS'Y	1	23	689-42665-00	DAMPER 4	1
▶ 3 *	689-W0070-80	GRAPHIC SIDE SET	15	24	689-42666-00	DAMPER 5	1
▶ *	689-W0070-00	GRAPHIC SIDE SET	15	25	689-42711-00-F6	COWLING, bottom	1
▶ 4 *	689-42686-80	EMBLEM, front	1	26	661-42791-80	MARK 1	1
▶ 5	689-42677-00	GRAPHIC, front	1	27	664-42783-80	GRAPHIC, side	2
▶ 6 *	689-42687-80	EMBLEM, rear	1	28	90480-15M06	GROMMET	4
▶ 7	689-42678-00	GRAPHIC, rear	1	29	90387-08M25	COLLAR	4
▶ 8	689-42681-00	MARK, cowl 1	1	30	689-42742-00-94	BOLT	4
▶ 9	689-42682-00	MARK, cowl 2	1	31	95303-08700	NUT	4
▶ 10 *	90183-05M01	NUT, spring	10	32	92990-08600	WASHER	4
11	689-42613-00-F6	MOLDING, air duct	1	33	95380-08700	NUT	4
12	97313-06012	BOLT	4	34	689-42815-00	LEVER, clamp 1	1
13	92903-06600	WASHER	4	35	90206-12052	WASHER, wave (12.56-196-0.5mm)	1
14	689-15761-00	SEAL, rubber	1	36	90386-12069	BUSHING	2
15	689-42615-00	SEAL	1	37	689-42816-00	LEVER, clamp 2	1
16	689-42647-00	HOLDER, clamp band	1	38	90201-06068	WASHER (6.56-206-2.0mm)	1
17	90266-04M01	RIVET	3	39	97313-06010	BOLT	1
18	689-42651-00	HOOK 1	1	40	682-84381-00	2P CONCENT 1	1
19	90266-04M00	RIVET	2	41	689-42725-00	GROMMET	1
▶ 20 *	689-42662-01	DAMPER 1	1	42 *	689-82575-01	KILL SWITCH ASS'Y	1
▶ *	689-42662-00	DAMPER 1	1	43	689-82575-00	KILL SWITCH ASS'Y	1
▶ 21 *	689-42663-01	DAMPER 2	1	44 *	682-42683-50	MARK, cowl 3 (30AE Model)	1
▶ *	689-42663-00	DAMPER 2	1	▶ *	689-42683-00	MARK, cowl 3 (30AE Model)	1

▶ 30AM S: 007185 and below
L: 308703 and below
LL: 600680 and below

▶ 30AE S: 101515 and below
L: 404000 and below
LL: 620195 and below

▶ 30AM S: 007186 and up
L: 308701 and up
LL: 600681 and up

▶ 30AE S: 101516 and up
L: 404001 and up
LL: 620196 and up

* New parts number
* Not shown

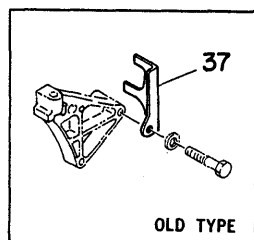
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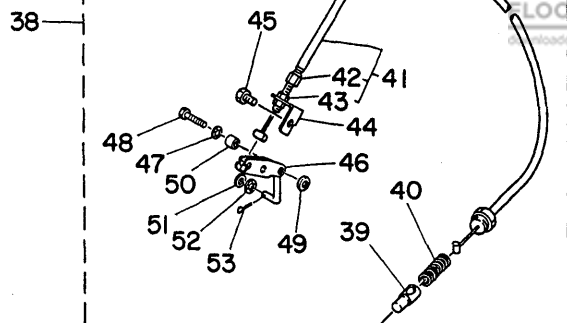
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Fig. 3 STARTER '80/'81

STARTER '80/'81

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SAFETY STARTER



Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-15710-00	STARTER ASS'Y	1	31	656-15771-00-94	STAY 1	1
2	676-15711-00-94	CASE, starter	1	32	656-15772-00-94	STAY 2	1
3	91690-40020	PIN, spring	1	33	97313-06025	BOLT	4
4	* 689-15758-01-94	GUIDE, wire	1	34	97313-06040	BOLT	1
Δ	* 689-15758-00-94	GUIDE, wire	1	35	92903-06600	WASHER	5
5	97313-06016	BOLT	2	Δ 36	* 689-81332-01	PLATE, timing	1
6	92903-06600	WASHER	2	Δ 37	689-81332-00	PLATE, timing	1
7	689-15762-00	SEAL, rubber 2	1	SAFETY STARTER			
8	* 689-15789-00	DAMPER	1	38	689-W0079-01	SAFETY STARTER KIT	1S
9	619-15755-01	HANDLE, starter	1	39	656-15748-00	PLUNGER, starter stop	1
10	+	WIRE (2075mm)	1	40	90501-10227	SPRING, compression	1
11	689-15779-00	COVER	1	41	656-15770-00	WIRE COMP., starter stop	1
12	676-15714-00-94	DRUM, sheave	1	42	90123-06049	BOLT, wire adjusting	1
13	91690-40020	PIN, spring	1	43	95303-06600	NUT	2
14	90510-09M00	SPRING, spiral	1	44	689-15774-00	STAY 4	1
15	676-15717-00	SHAFT	1	45	97313-06010	BOLT	1
16	90201-08309	WASHER (8.6-23.6-3.0mm)	1	46	656-15749-00	LINK COMP., starter stop	1
17	97313-08025	BOLT	1	47	90206-08010	WASHER, wave (8.76-16.6-0.3mm)	1
18	95303-08600	NUT	1	48	97313-06020	BOLT	1
19	676-15799-01	CLIP	1	49	92903-06600	WASHER	1
20	676-15741-03	PAWL, drive	1	50	90387-06568	COLLAR (6.6-8.6-7.5mm)	1
21	93430-06M02	CIRCLIP	1	51	92903-05600	WASHER	1
22	676-15705-00	SPRING, drive pawl	1	52	90206-05005	WASHER, wave (5.56-11.6-0.3mm)	1
23	676-15773-00	STAY 3	6	53	91490-16010	PIN, cotter	1
24	90386-35M01	BUSHING	1				
25	97313-08040	BOLT	1				
26	92903-08600	WASHER	1				
27	91830-22016	PIN, dowel A (8.46-12.6-16mm)	1				
28	97313-06030	BOLT	2				
29	92903-06600	WASHER	2				
30	95303-06600	NUT	2				

Δ 30AM S: 006195 and below
L: 308930 and below
LL: 600485 and below

30AE S: 101385 and below
L: 403430 and below
LL: 620160 and below

Δ 30AM S: 006196 and up
L: 308931 and up
LL: 600486 and up

30AE S: 101386 and up
L: 403431 and up
LL: 620161 and up

* New parts number

* Not shown

+ Cut from 50m roll, Parts No. 90890-44373, cutting length 2.075m.

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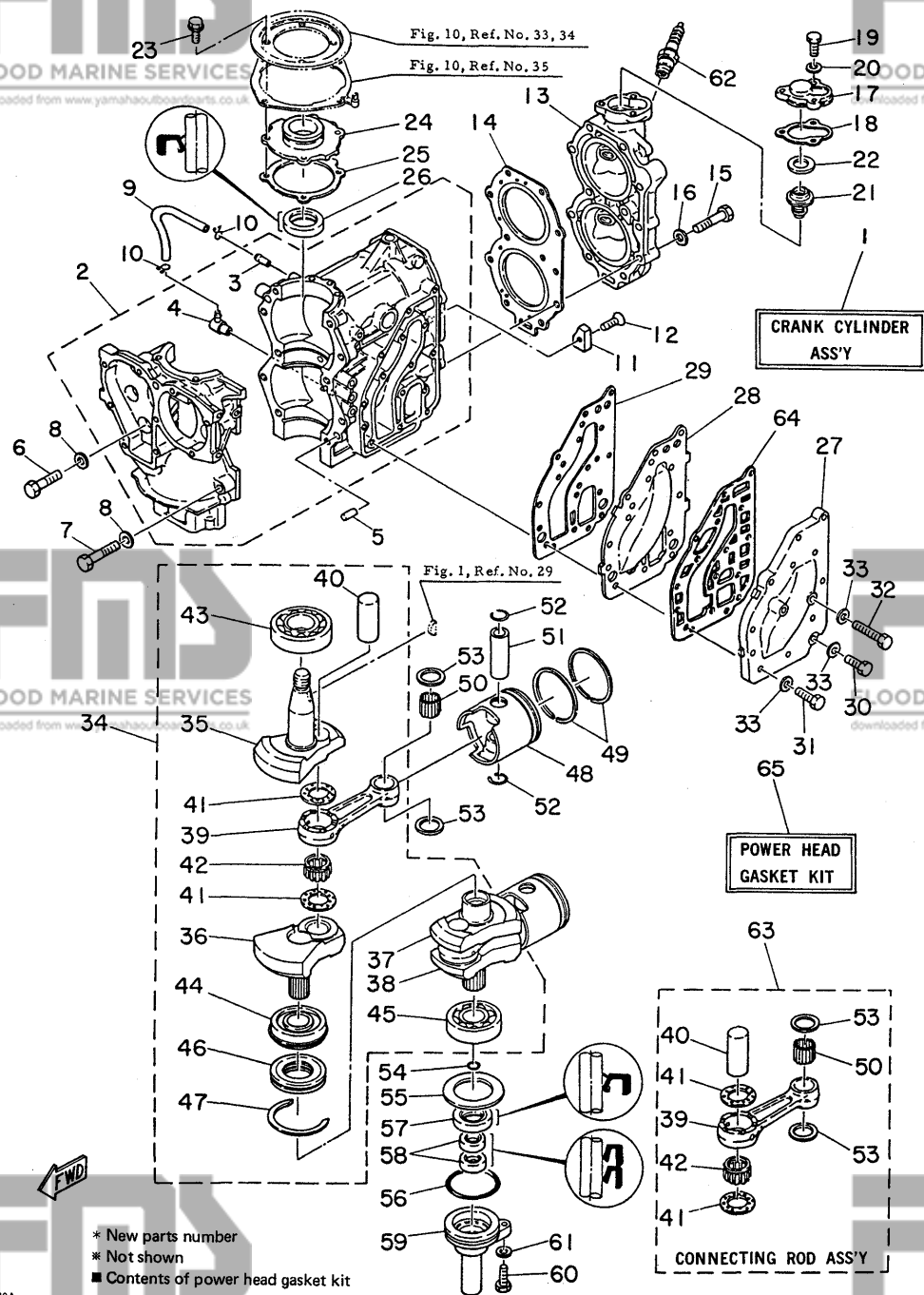
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Fig. 4 CRANKCASE, CYLINDER & PISTON '80/'81



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CRANKCASE, CYLINDER & PISTON '80/'81

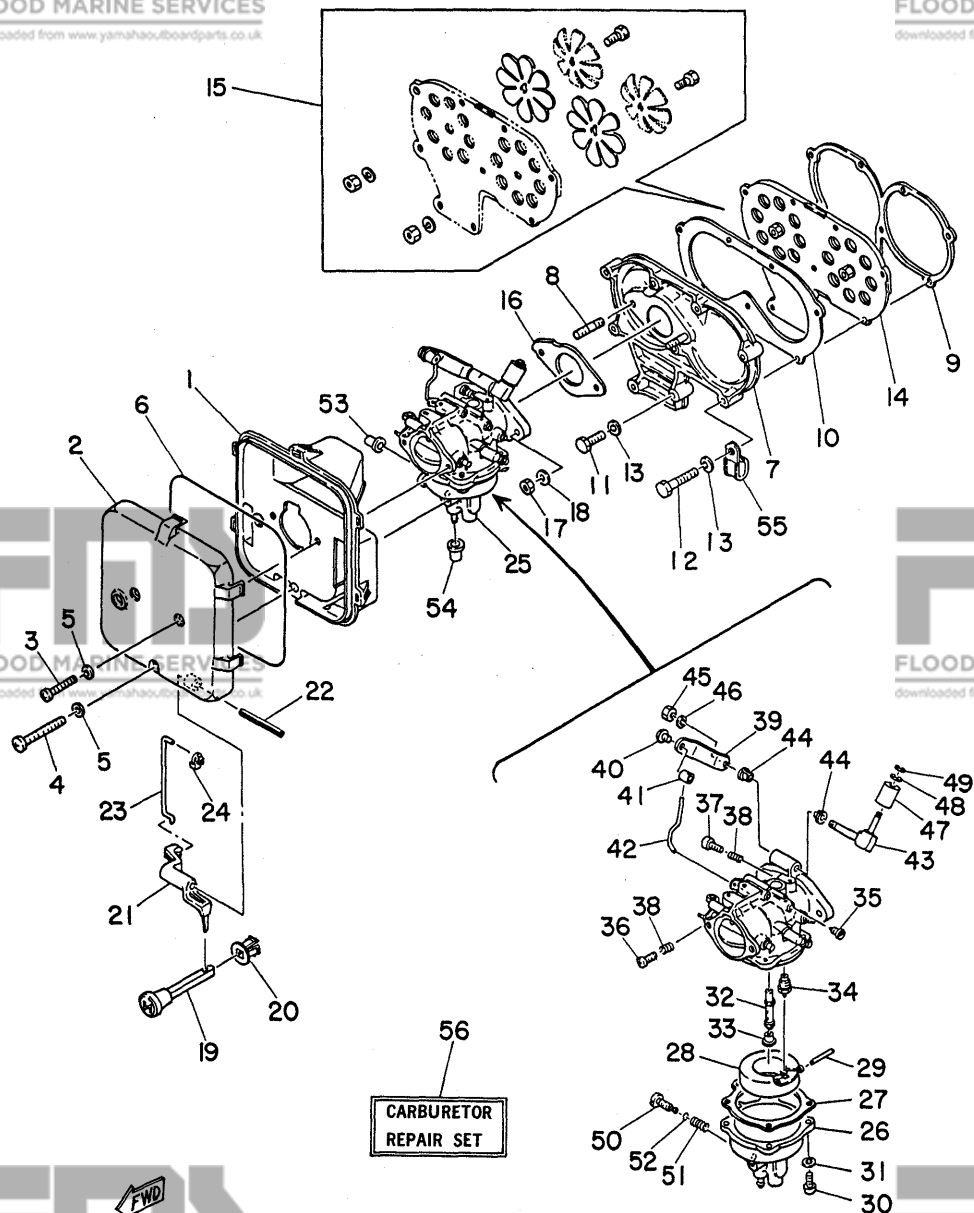
Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1 *	689-W0090-81	CRANK CYLINDER ASS'Y (Ref. No. 2 to 62, 64)	1	35 *	689-11412-02	CRANK 1	1
2	689-W0090-80	CRANK CYLINDER ASS'Y (Ref. No. 2 to 62, 64)	1	36	689-11422-01	CRANK 2	1
3	689-15100-00-94	CRANKCASE ASS'Y	1	37	689-11432-01	CRANK 3	1
4	624-14485-00	PIPE, joint	1	38	689-11442-01	CRANK 4	1
5	650-11370-00	CHECK VALVE ASS'Y	1	39	689-11651-00	ROD, connecting	2
6	93606-12019	PIN, dowel 8 (64-12mm)	2	40	689-11681-01	PIN, crank	2
7	97313-08045	BOLT	2	41	90209-24M03	WASHER (special)	4
8	97313-08055	BOLT	8	42	93310-62405	BEARING, con-rod big end	2
9	648-11175-00	WASHER, holding 1	10	43 *	93306-306U1	BEARING (B6306)	1
10	90445-07M24	HOSE (2.56-74-240mm)	1	44	93306-306U0	BEARING (B6306)	1
11	90467-06016	CLIP	2	45	93390-00009	BEARING, taper roller	1
12 *	689-11325-00	ANODE	1	46	93306-30510	BEARING (B6305)	1
13	92780-06020	SCREW	1	47	689-11515-00	SEAL, labyrinth	1
14	92280-06020	SCREW, flathead	1	48	689-11631-00-94	PISTON (Standard 71.94mm)	1
15	689-11111-01-94	HEAD, cylinder	1	49	689-11631-00-95	PISTON (Standard 71.95mm)	1
16	689-11181-00	GASKET, cylinder head	1	50	689-11631-00-96	PISTON (Standard 71.96mm)	1
17	97313-08045	BOLT	11	51	689-11635-00	PISTON (Over Size 72.25mm)	2
18	648-11175-00	WASHER, holding 1	11	52	689-11636-00	PISTON (Over Size 72.50mm)	2
19	655-12413-01-94	COVER, thermostat	1	53	689-11610-00	PISTON RING SET (Standard)	25
20	655-12414-00	GASKET, cover	1	54	689-11610-10	PISTON RING SET (Over Size 72.25mm)	25
21	97313-06020	BOLT	3	55	689-11610-20	PISTON RING SET (Over Size 72.50mm)	25
22	92903-06600	WASHER	3	56	93602-20M02	BEARING, con-rod small end	6
23	689-12411-80	THERMOSTAT	1	57	689-11633-00	PIN, piston	2
24	90201-21567	WASHER (21.56-27.56-2mm)	1	58	663-11634-00	CLIP, piston pin	4
25	90105-06M09	BOLT	4	59	90201-20M27	WASHER (20.26-23.56-2.3mm)	4
26 *	689-15359-00-94	HOUSING, oil seal 1	1	60	93210-16275	O-RING (2.44-15.86)	1
27 *	689-15369-00	GASKET, oil seal housing	1	61	90201-50306	WASHER (50.6-66.6-1.5mm)	1
28 *	93102-25M11	OIL SEAL (SD-24.6-42.6-6mm)	1	62	93210-58M21	O-RING (30-57.20)	1
29 *	93102-30M03	OIL SEAL (SD-28.56-42.6-6mm)	1	63	93102-25M04	OIL SEAL (SD-24.6-48.6-8mm)	1
30 *	689-41113-00-9M	OUTER COVER, exhaust	1	64	93104-16M01	OIL SEAL (SD-15.6-30.6-5mm)	2
31	689-41113-00-94	OUTER COVER, exhaust	1	65 *	689-15396-00-9M	HOUSING, oil seal 2	1
32	689-41111-00-9M	INNER COVER, exhaust	1	66 *	689-15396-00-94	HOUSING, oil seal 2	1
33	689-41111-00-94	INNER COVER, exhaust	1	67 *	97395-06025	BOLT	1
34 *	689-41114-00	GASKET, exhaust cover	1	68	97375-06025	BOLT	1
35 *	97395-06025	BOLT	1	69	92990-06600	WASHER	1
36	97375-06025	BOLT	12	70	94701-00040	PLUG, spark (B-7HS) NGK	2
37	90101-06M12	BOLT	2	71	689-11650-01	CONNECTING ROD ASS'Y	1
38	90101-06M55	BOLT	2	72 *	689-41112-00	GASKET, exhaust cover 2	1
39	92903-06600	WASHER	15	73 *	689-W0001-02	POWER HEAD GASKET KIT	1
40	689-11400-02	CRANK ASS'Y	1	74 *	689-W0001-01	POWER HEAD GASKET KIT	1
41	689-11400-01	CRANK ASS'Y	1				

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Fig. 5 INTAKE '80/'81

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CARBURETOR
REPAIR SET

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INTAKE '80/'81

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Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-14417-00	COVER 1	1	30	98503-04012	SCREW, panhead	4
2 *	689-14418-01	COVER 2	1	31	92990-04100	WASHER	4
3	689-14418-00	COVER 2	1	32	689-14341-00	NOZZLE, main (3.4#-13mm)	1
4	97803-05030	SCREW, panhead	2	33	689-14343-67	JET, main (#135)	1
5	97803-05050	SCREW, panhead	1	34	648-14390-14	VALVE SEAT ASS'Y (1.4#)	1
6	92903-05600	WASHER	3	35	689-14342-27	JET, pilot (#54)	1
7	93211-62M24	O-RING	1	36	648-14321-00	SCREW, throttle	1
8	648-13641-01-94	MANIFOLD, intake	1	37	647-14323-00	SCREW, air adjusting	1
9	90116-06M08	BOLT, stud	2	38 *	646-14212-01	SPRING, air adjusting	2
10	648-13621-00	PACKING, valve seat	1	39	689-41210-00	ARM, accel.	1
11	648-13645-00	GASKET, intake manifold	1	40	677-14327-00	SCREW	1
12	97313-06025	BOLT	2	41	689-41226-00	LEVER END, throttle	1
13	97313-06035	BOLT	7	42	689-41241-00	ROD	1
14	92903-06600	WASHER	9	43	689-41216-00	SHEAVE SHAFT, accel. link	1
15	689-13610-00	REED VALVE ASS'Y	1	44	90386-05002	BUSHING	2
16	689-W0004-00	REED SET	15	45	95303-05700	NUT	1
17	648-14198-00	GASKET	1	46	92990-05100	WASHER	1
18	95303-06600	NUT	2	47	664-41231-00	COLLAR, guide pin	1
19	92903-06600	WASHER	2	48	92990-05200	WASHER	1
20	682-41271-00	KNOB, choke 1	1	49	93430-04031	CIRCLIP (E-4#)	1
21	689-41273-00	GROMMET 1	1	50	646-14394-00	VALVE, drain	1
22	689-41252-00	LEVER, choke	1	51	646-14223-01	SPRING, drain valve	1
23	91690-40048	PIN, spring	1	52	646-14397-00	O-RING	1
24	689-41256-00	ROD, choke link	1	53	647-14395-60	CAP, over flow pipe	1
25	661-41262-02	JOINT, choke lever	1	54	648-14382-60	CAP, drain pipe	1
26	689-14301-80	CARBURETOR ASS'Y	1	55	90461-06015	CLAMP	1
27	689-14381-00	BODY, float chamber	1	56	689-W0093-00	CARBURETOR REPAIR SET	15
28	648-14384-01	GASKET, float chamber	1				
29	648-14385-00	FLOAT	1				
30	689-14386-00	PIN, float	1				

30AM S: 007185 and below
L: 308700 and below
LL: 600990 and below

30AE S: 101515 and below
L: 404000 and below
LL: 620195 and below

30AM S: 007186 and up
L: 308701 and up
LL: 600991 and up

30AE S: 101516 and up
L: 404001 and up
LL: 620196 and up

* New parts number

* Not shown

* Contents of power head gasket kit (Parts No. 689-W0001-02)

* Contents of carburetor repair set

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Fig. 6 UPPER CASING -'80/'81

Ref.No.	Parts No.	Description	Q'ty
1	689-45111-00-F6	CASING, upper (Short)	1
*	689-45111-10-F6	CASING, upper (Long, Super Long)	1
2 *	689-41131-00-9M	MANIFOLD, exhaust 1	1
*	689-41131-00-94	MANIFOLD, exhaust 1	1
■	689-45113-00	GASKET, upper casing 1	1
4	93606-12019	PIN, dowel B (66-12mm)	2
5	97375-08030	BOLT	6
6	92990-08600	WASHER	6
7	689-41132-00-94	MANIFOLD, exhaust 2 (Short)	1
*	689-41132-10-94	MANIFOLD, exhaust 2 (Long, Super Long)	1
8	689-41137-00-94	GUIDE, exhaust	1
9 *	97395-08020	BOLT	1
*	97375-08020	BOLT	1
10	92990-08600	WASHER	1
▲	664-41134-00	GASKET, exhaust manifold	1
12	97890-06016	SCREW, panhead	4
13	689-41141-00	SEAL 1	1
14	689-41142-00	SEAL 2	1
15	689-41135-00	GASKET, exhaust manifold 3	1
16	91490-30025	PIN, cotter	1
SUPER LONG			
17	689-45211-20-F6	EXTENSION	1
18	689-45318-00	BUSHING, drive shaft 3	1
19	90116-10M10	BOLT, stud	4
20	93606-12019	PIN, dowel B (66-12mm)	2
21	90179-10M03	NUT	4
22	92990-10600	WASHER	4

* New parts number

* Not shown

■ Contents of power head gasket kit (Parts No. 689-W0001-02)

▲ Contents of lower unit gasket kit (Parts No. 689-W0001-20)

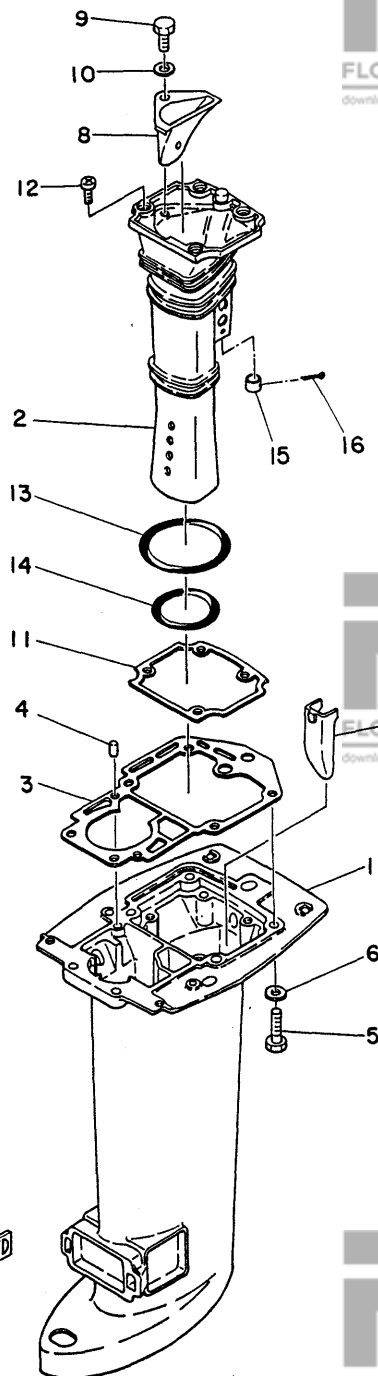
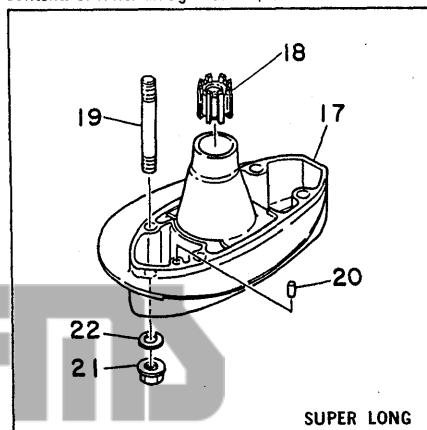
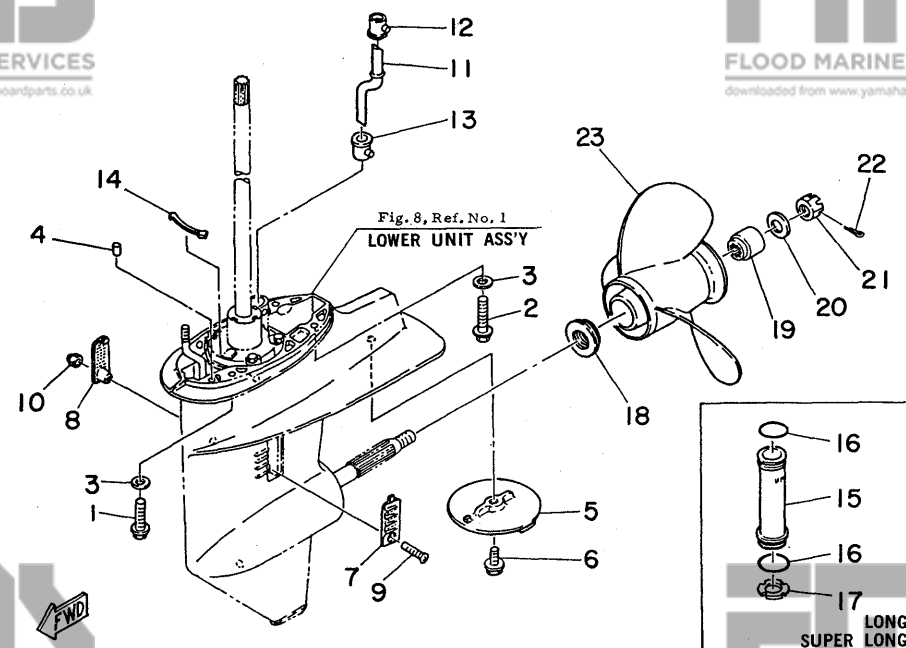


Fig. 7 LOWER & DRIVE 1 -'80/'81



Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
▽ 1	90105-10059	BOLT	2	★ 13	626-44365-01	RUBBER, water seal 1	1
△ *	90105-10059	BOLT	4	14	689-44314-00	SPACER	1
▽ 2 *	90105-10M12	BOLT	2	15	689-44362-00-94	TUBE, water 2 (Long, Super Long)	1
3	92990-10600	WASHER	4	16	93210-26240	O-RING (2.46-25.86)	2
4	93606-12019	PIN, dowel B (66-12mm)	2			(Long, Super Long)	2
5	664-45371-01	TAB-TRIM	1	17	689-44328-00	PLATE (Long, Super Long)	1
6	97475-08020	BOLT	1	18	664-45987-00	SPACER 1	1
▽ 7 *	689-45214-00	COVER, water inlet 1	1	19	689-45997-00	SPACER 2	1
△ *	664-45214-00	COVER, water inlet 1	1	20	92990-14200	WASHER	1
▽ 8 *	689-45215-00	COVER, water inlet 2	1	21	90171-14013	NUT, castle	1
△ *	664-45215-00	COVER, water inlet 2	1	22	91490-30022	PIN, cotter	1
9	98180-05025	SCREW, ovalhead	1	23	664-45941-01-36	PROPELLER ASS'Y 1 (3X9%"X9"-F)	U.R. 1
10	90185-05002	NUT, self-locking	1		664-45943-01-36	PROPELLER ASS'Y 2 (3X9%"X8"-F)	
11	664-44361-00	TUBE, water 1 (Short 113mm)	1		664-45945-00-36	PROPELLER ASS'Y 3 (3X9%"X10"-F)	
*	689-44361-10	TUBE, water 1 (Long 197mm)	1		664-45947-01-36	PROPELLER ASS'Y 4 (3X9%"X11"-F)	
*	689-44361-20	TUBE, water 1 (Super Long 245mm)	1		664-45949-00-36	PROPELLER ASS'Y 5 (3X9%"X13"-F)	
▲ 12	689-44366-00	RUBBER, water seal 2	1		664-45952-00-36	PROPELLER ASS'Y 6 (3X9%"X14"-F)	

△ 30AM S: 008195 and below
L: 308930 and below
LL: 900485 and below

▽ 30AM S: 006196 and up
L: 308931 and up
LL: 900486 and up

30AE S: 101385 and below
L: 403430 and below
LL: 820180 and below

▽ 30AE S: 101386 and up
L: 403431 and up
LL: 820181 and up

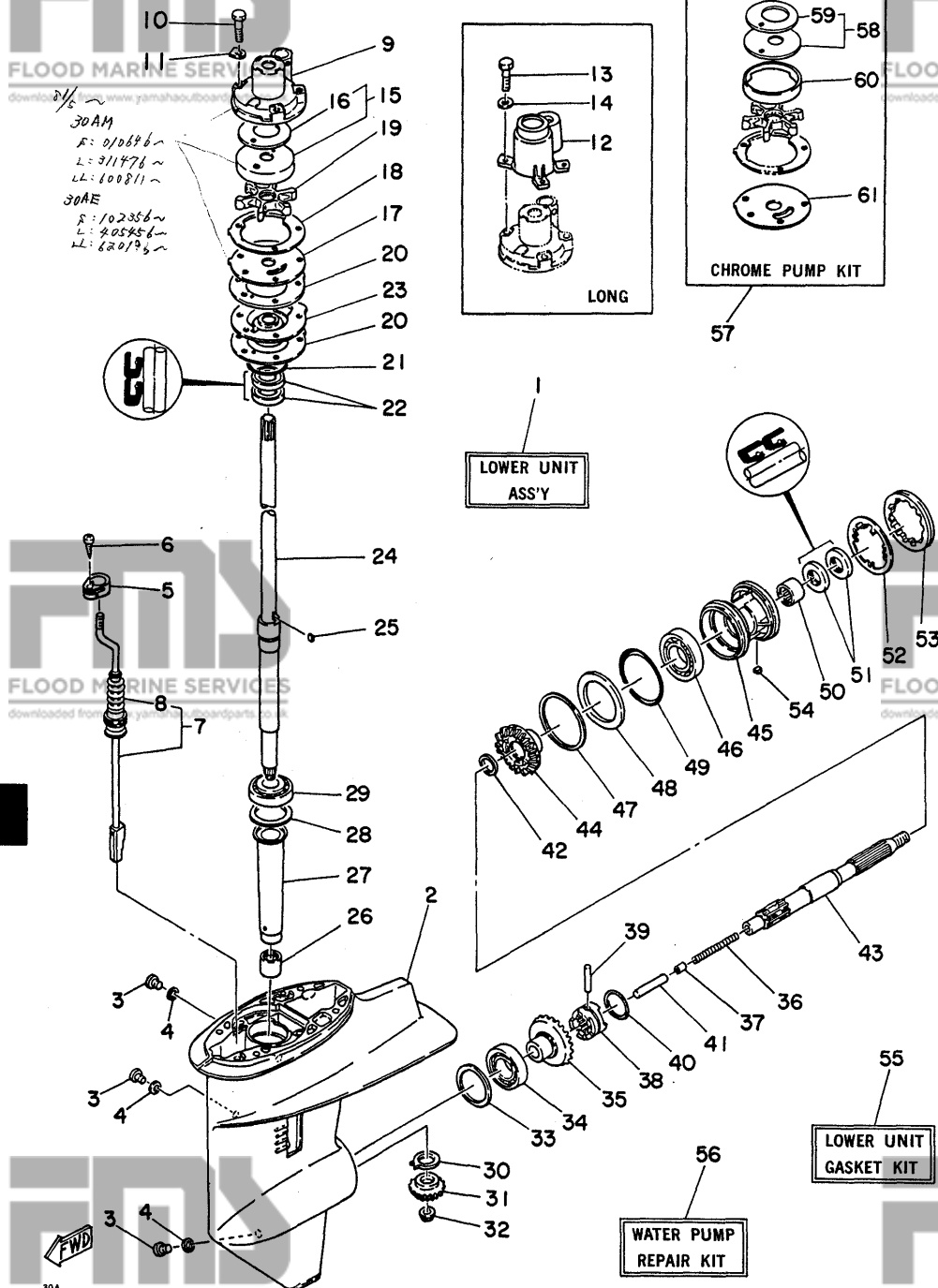
* New parts number

* Not shown

▲ Contents of lower unit gasket kit (Parts No. 689-W0001-20)

★ Contents of water pump repair kit (Parts No. 689-W0078-02)

Fig. 8 LOWER & DRIVE 2 '80/'81



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LOWER & DRIVE 2 '80/'81

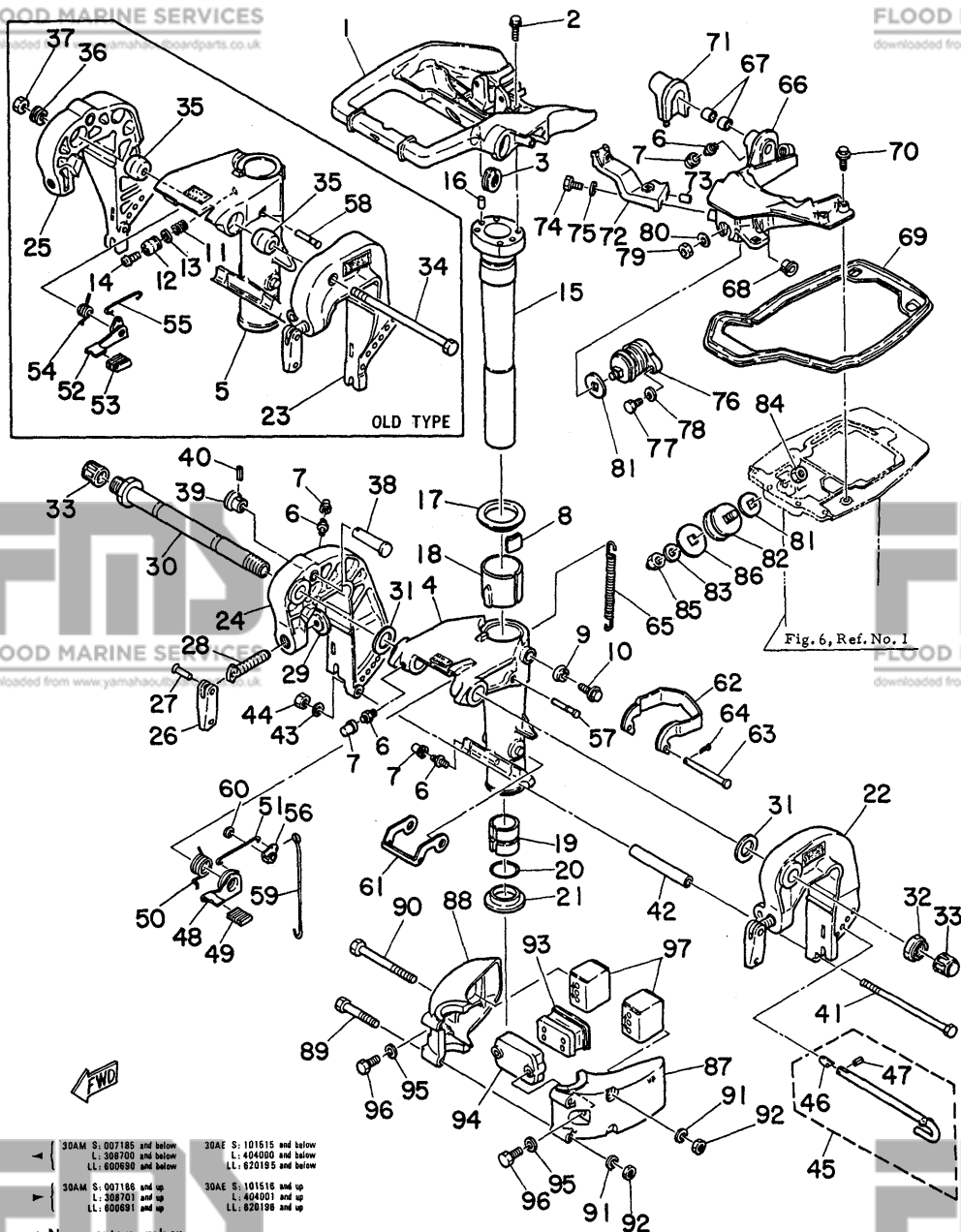
Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-45300-00-F6	LOWER UNIT ASS'Y (Short) (Ref. No. 2 to 11, 15 to 54)	1	29	93332-000U4	BEARING, taper roller	1
※	689-45300-10-F6	LOWER UNIT ASS'Y (Long) (Ref. No. 2 to 9, 12 to 54)	1	30	664-45552-00	BEARING, plain	1
2	689-45311-00-F6	CASING, lower	1	31	689-45551-00	PINION (13T)	1
3	90340-08014	PLUG, straight screw	3	32	90179-09M02	NUT	1
▲ 4	90430-08020	GASKET	3	33	664-45567-00-05	SHIM 1 (426-51.56-0.05mm)	} U.R.
5	689-44176-00	BRACKET	1		664-45567-00-08	SHIM 1 (426-51.56-0.08mm)	
6	97780-50110	SCREW, panhead tapping	1		664-45567-00-12	SHIM 1 (426-51.56-0.12mm)	
7	664-44150-01	SHIFT CAM ASS'Y (Short 311mm)	1		664-45567-00-30	SHIM 1 (426-51.56-0.30mm)	
8	664-44150-11	SHIFT CAM ASS'Y (Long 438mm)	1		664-45567-00-50	SHIM 1 (426-51.56-0.50mm)	
※	664-44150-21	SHIFT CAM ASS'Y (Super Long 486mm)	1	34	93332-00005	BEARING, taper roller	1
8	664-44147-00	. BOOT, shift rod	1	35	689-45560-00	GEAR 1 ASS'Y (24T)	1
★ 9	689-44311-00	HOUSING, water pump	1	36	90501-10065	SPRING, compression	1
★ 10	90101-06M56	BOLT	3	37	648-45634-00	SLIDE, shift	1
11	90209-06M04	WASHER	3	38	664-45631-00	CLUTCH, dog	1
12 *	689-44312-00-9M	COVER, water pump housing (Long)	1	39	90250-05010	PIN, straight	1
※	689-44312-00-94	COVER, water pump housing (Long)	1	40	648-45633-00	RING, cross pin	1
13 *	97395-06035	BOLT (Long)	3	41	648-45635-00	PLUNGER, shift	1
※	97375-06035	BOLT (Long)	3	42	90201-20417	WASHER (206-24.56-1.5mm)	1
14	92990-06600	WASHER (Long)	3	43	689-45611-00	SHAFT, propeller	1
★ 15	689-W4432-00	INSERT CARTRIDGE COMP	1	44	689-45571-00	GEAR 2 (24T)	1
★ 16	689-44367-00	. RUBBER, water seal 3	1	45	689-45331-00-94	HOUSING, bearing 1	1
★ 17	689-44323-00	OUTER PLATE, cartridge	1	46	93306-00606	BEARING (B6006)	1
▲ ★ 18	689-44324-00	GASKET	1	47	664-45577-00-05	SHIM 2 (646-67.46-0.05mm)	} U.R.
★ 19	689-44352-00	IMPELLER	1		664-45577-00-08	SHIM 2 (646-67.46-0.08mm)	
20 *	689-44325-00-9M	PROTECTOR, oil seal	1		664-45577-00-12	SHIM 2 (646-67.46-0.12mm)	
※	689-44325-00-94	PROTECTOR, oil seal	1		664-45577-00-30	SHIM 2 (646-67.46-0.30mm)	
▲ 21	93210-40M10	O-RING (2.46-39.76)	1		664-45577-00-50	SHIM 2 (646-67.46-0.50mm)	
▲ 22	93101-22067	OIL SEAL (S-226-366-6mm)	2	48	664-45576-00	WASHER, thrust 2 (496-676-4mm)	U.R.
▲ ★ 23	689-44315-00	GASKET, water pump 1	2	▲ 49	93210-60M17	O-RING (3.96-59.66)	1
24	689-45501-00	DRIVE SHAFT COMP. (Short 655.5mm)	1	50	93315-22004	BEARING, needle	1
※	689-45501-10	DRIVE SHAFT COMP. (Long 782.5mm)	1	▲ 51	93101-20M07	OIL SEAL (S-18.56-346-6.5mm)	2
※	689-45501-20	DRIVE SHAFT COMP. (Super Long 830.5mm)	1	52	90214-45M00	WASHER, claw	1
★ 25	664-44338-00	KEY, woodruff	1	53	664-45384-00	NUT	1
26	93315-017U4	BEARING, needle	1	54	90282-04010	KEY, straight	1
27	689-45536-00	SLEEVE, drive shaft	1	▲ 55	689-W0001-20	LOWER UNIT GASKET KIT	1
28	664-45587-00-05	SHIM 3 (366-41.56-0.05mm)	} U.R.	★ 56 *	689-W0078-02	WATER PUMP REPAIR KIT	1
	664-45587-00-08	SHIM 3 (366-41.56-0.08mm)		★ ※	689-W0078-01	WATER PUMP REPAIR KIT	1
	664-45587-00-12	SHIM 3 (366-41.56-0.12mm)		★ ※	689-W0078-00	WATER PUMP REPAIR KIT	1
	664-45587-00-30	SHIM 3 (366-41.56-0.30mm)					
	664-45587-00-50	SHIM 3 (366-41.56-0.50mm)					
					CHROME PUMP KIT		
				☆ 57	689-W0078-0A	CHROME PUMP KIT	1
				☆ 58	689-W4432-40	. INSERT CARTRIDGE COMP	1
				☆ 59	689-44367-00	. . RUBBER, water seal 3	1
				☆ 60	689-44322-40	. INSERT, cartridge	1
				☆ 61	689-44323-40	. OUTER PLATE, cartridge	1

- * New parts number
- * Not shown
- ▲ Contents of lower unit gasket kit
- ★ Contents of water pump repair kit
- ☆ Contents of chrome pump kit

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Fig. 9 BRACKET '80/'81



30AM S: 007185 and below
L: 308700 and below
LL: 600690 and below

30AE S: 101515 and below
L: 404000 and below
LL: 620195 and below

30AM S: 007186 and up
L: 308701 and up
LL: 600691 and up

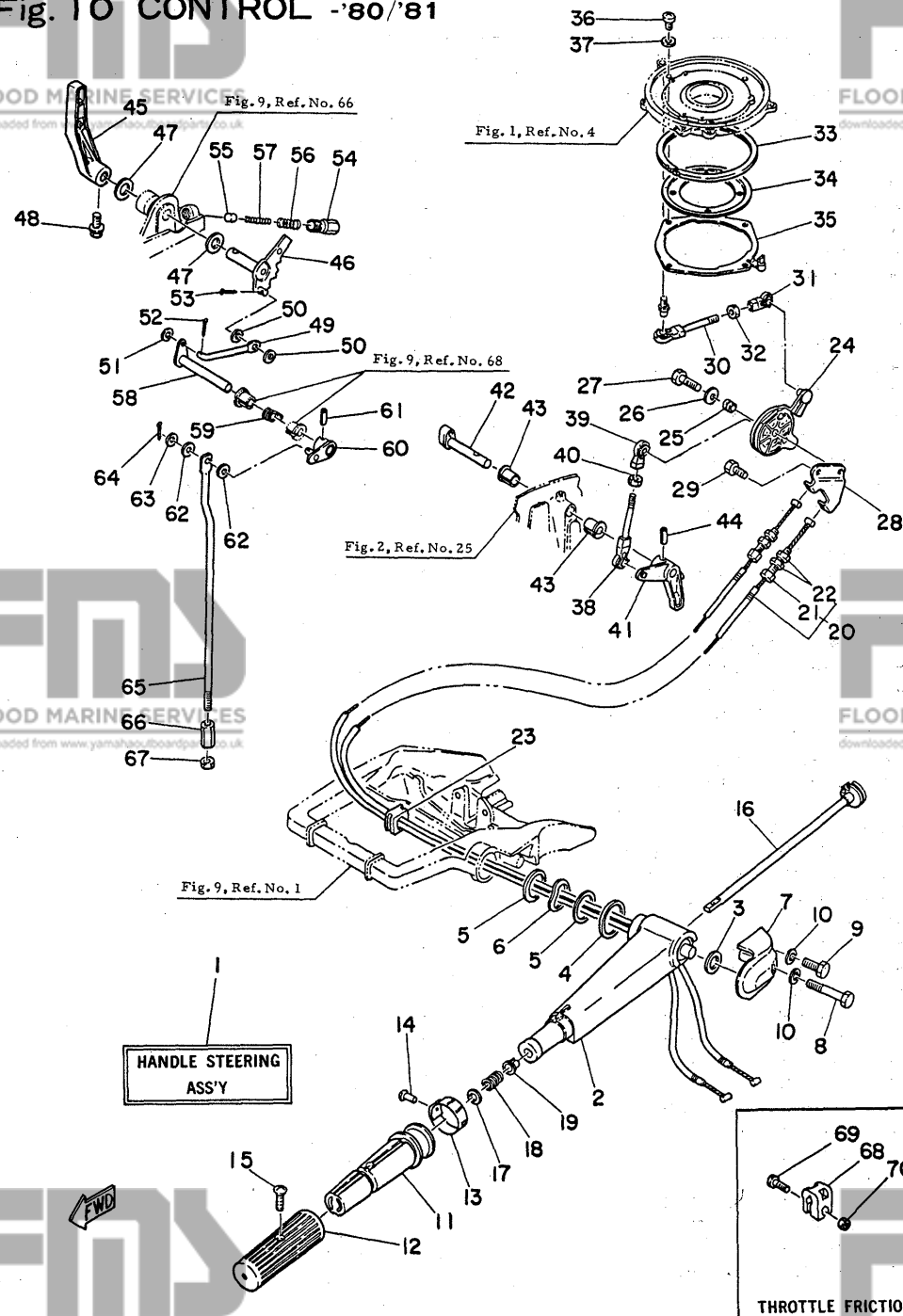
30AE S: 101516 and up
L: 404001 and up
LL: 620196 and up

* New parts number
* Not shown

BRACKET '80/'81

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	656-42511-01-F6	BRACKET, steering	1	50	* 689-43643-00	SPRING, torsion	1 B
2	90105-06M07	BOLT	4	51	* 689-43616-00	ROD, tilt lock 1	1 B
3	90480-29045	GROMMET	1	52	656-43631-00	LEVER, tilt 1	1 B
4	* 689-43311-01-F6	BRACKET, swivel	1	53	648-43633-00	COVER, tilt lever 1	1 B
5	689-43311-00-F6	BRACKET, swivel	1	54	90508-16018	SPRING, torsion	1 B
6	93700-06004	NIPPLE, grease	5	55	648-43616-00	ROD, tilt lock 1	1 B
7	93700-06004	NIPPLE, grease	3	56	648-43642-00	LEVER, tilt 2	1
8	663-45119-00	CAP, grease nipple	5	57	* 90249-06M10	PIN	1
9	* 663-45119-00	CAP, grease nipple	3	58	90249-06120	PIN	1
10	648-42528-00	PIECE, friction	1	59	648-43617-00	ROD, tilt lock 2	1
11	689-43373-01	SEAL, rubber	1 B	60	93430-05027	CIRCLIP (E-56)	1
12	* 90105-06M18	BOLT	1 B	61	689-43614-00	PLATE, tilt lock 1	1
13	90501-16099	SPRING, compression	1 B	62	648-43615-00	PLATE, tilt lock 2	1
14	689-43373-00	SEAL, rubber	1 B	63	90240-05046	PIN, with hole	1
15	92990-08600	WASHER	1 B	64	91490-16010	PIN, cotter	1
16	90149-08005	SCREW	1 B	65	90506-30055	SPRING, tension	1
17	689-42521-00-94	SHAFT, steering pivot	1	66	* 648-44508-01-9M	BRACKET COMP. 1	1
18	93608-12063	PIN, dowel B (86-12mm)	2	67	* 648-44508-01-94	BRACKET COMP. 1	1
19	90209-47016	WASHER	1	68	90380-12012	BUSHING, solid	2
20	90386-47M22	BUSHING	1	69	90386-10009	BUSHING, solid	2
21	90386-38022	BUSHING	1	70	689-42716-00	SEAL, rubber 1	1
22	93210-37160	O-RING (2.56-376)	1	71	90105-06M08	BOLT	4
23	90386-38090	BUSHING	1	72	689-42718-00	SEAL, rubber 3	1
24	* 689-43111-01-F6	BRACKET, clamp 1	1	73	648-44519-00-94	BRACKET 2	1
25	689-43111-00-F6	BRACKET, clamp 1	1	74	93606-12019	PIN, dowel B (66-12mm)	1
26	* 689-43112-01-F6	BRACKET, clamp 2	1	75	* 97395-06018	BOLT	1
27	689-43112-00-F6	BRACKET, clamp 2	1	76	* 97375-06018	BOLT	1
28	616-43118-00-F6	HANDLE, transom clamp	2	77	92990-06600	WASHER	2
29	90243-04001	PIN	2	78	689-44516-00	MOUNT RUBBER, upper front	1
30	* 90149-14030	SCREW	2	79	* 97395-06020	BOLT	2
31	* 648-43116-01	SCREW, transom clamp	2	80	* 97375-06020	BOLT	2
32	648-43114-01	PAD, transom clamp	2	81	92990-06600	WASHER	2
33	* 689-43131-00	BOLT, clamp bracket	1 B	82	92880-10200	NUT	2
34	* 90201-22428	WASHER (22.56-376-0.5mm)	2 B	83	648-44591-00	GASKET, mount rubber 1	3
35	* 90185-22043	NUT, self-locking	1 B	84	664-44514-00-94	MOUNT RUBBER, upper side	2
36	* 663-43145-00	CAP, clamp bracket	2 B	85	92990-10200	WASHER	2
37	90101-10M54	BOLT	1 B	86	92880-10200	NUT	2
38	648-43136-00	PIECE, friction	2 B	87	92890-10700	NUT, crown	2
39	90504-59006	SPRING, compression	1 B	88	664-44591-00	GASKET, mount rubber 1	2
40	* 95380-10600	NUT	1 B	89	689-44551-00-F6	HOUSING, lower mount rubber 1	1
41	689-43191-00	SHAFT, stopper	1	90	689-44552-00-F6	HOUSING, lower mount rubber 2	1
42	689-43192-00	KNOB, stopper	1	91	* 97395-08065	BOLT	2
43	91690-30016	PIN, spring	1	92	* 97375-08065	BOLT	2
44	90101-08339	BOLT	1	93	* 97395-08100	BOLT	2
45	90387-09074	COLLAR (9.26-13.86-103mm)	1	94	* 97375-08100	BOLT	2
46	92990-08600	WASHER	1	95	92990-08600	WASHER	4
47	95380-08600	NUT	1	96	95380-08600	NUT	4
48	* 682-43160-01	TILT ROD ASS'Y	1	97	689-44557-00	MOUNT RUBBER, lower front	1
49	* 682-43160-00	TILT ROD ASS'Y	1	98	689-44553-00-94	COVER, lower mount	1
50	656-43165-01	STOPPER PLATE	1	99	92990-08600	WASHER	2
51	91690-30008	PIN, spring	1	100	97375-08025	BOLT	2
52	* 689-43631-00	LEVER, tilt 1	1 B	101	689-44555-00	MOUNT RUBBER, lower side	2
53	* 689-43633-00	COVER, tilt lever 1	1 B				

Fig. 10 CONTROL -'80/'81



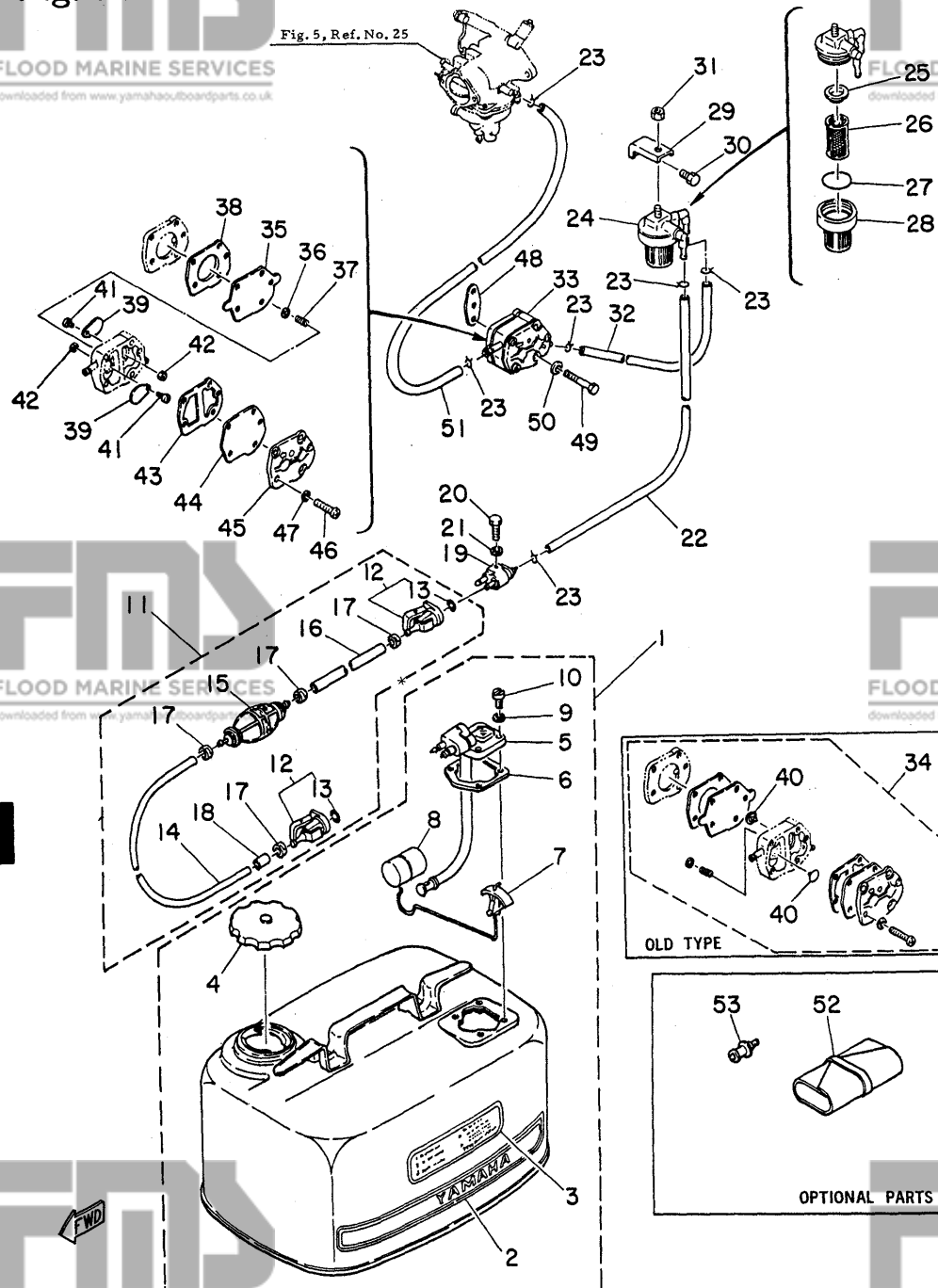
CONTROL -'80/'81

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1 *	689-W0084-01-F6	HANDLE STEERING ASS'Y (Ref. No. 2, 11 to 23)	1	36 *	97803-05012	SCREW, panhead	4
*	689-W0084-80-F6	HANDLE STEERING ASS'Y (Ref. No. 2, 11 to 23)	1	*	97890-05012	SCREW, panhead	4
2	689-42111-00-F6	HANDLE, steering 1	1	37	92903-05600	WASHER	4
3	90560-14076	SPACER	1	38	689-42169-00	JOINT	1
4	90202-34043	WASHER (346-426-1.5mm)	1	39	662-41237-01	JOINT, link 2	1
5	90201-28M28	WASHER (286-33.56-1.2mm)	2	40	95303-05600	NUT	1
6	90206-28M07	WASHER, wave (286-33.56-1.2mm)	1	41	689-42154-80-94	LEVER, throttle control	1
7	689-42112-00-F6	HANDLE, steering 2	1	42	656-42153-00-94	SHAFT, throttle control	1
8 *	97395-06050	BOLT	1	43	90386-10009	BUSHING	2
*	97375-06050	BOLT	1	44	91690-40018	PIN, spring	1
9 *	97395-06020	BOLT	1	45	689-44111-00-F6	HANDLE, gear shift	1
*	97375-06020	BOLT	1	46	664-44113-01	CAM PLATE, handle	1
10	92990-06600	WASHER	2	47	90202-12031	WASHER (12.28-240-0.7mm)	2
11	664-42119-00	GRIP, steering handle	1	48	90105-06M07	BOLT	1
12	689-42177-00	RUBBER, handle	1	49	664-44142-00	JOINT	1
13 *	689-42137-01	INDICATOR, throttle	1	50	90202-06007	WASHER (60-130-0.5mm)	2
*	689-42137-80	INDICATOR, throttle	1	51	92990-05600	WASHER	1
14	90269-02001	RIVET	1	52 *	91490-12010	PIN, cotter	1
15	98180-05025	SCREW, ovalhead	1	53	91490-16010	PIN, cotter	1
16	689-42138-00	LEVER, throttle	1	*	91490-16010	PIN, cotter	2
17	92903-10600	WASHER	1	54	664-42715-00	BUSHING 2	1
18	90501-23215	SPRING, compression	1	55	664-44167-00	PLUNGER, shift cam	1
19	90386-08032	BUSHING	1	56	90501-14M07	SPRING, compression	1
20	689-26311-00	THROTTLE WIRE COMP.	2	57	90501-09M08	SPRING, compression	1
21	90123-06065	BOLT, wire adjusting	2	58	689-44121-00	LEVER, shift rod 1	1
22	90170-06183	NUT	4	59	90508-14M07	SPRING, torsion	1
23	90480-12156	GROMMET	1	60	689-44125-00	LEVER, shift rod 2	1
24	689-41631-00-94	LEVER, magneto control	1	61	91690-40016	PIN, spring	1
25	90387-06M02	COLLAR (6.36-106-10.5mm)	1	62	90202-06007	WASHER (66-136-0.5mm)	2
26	90387-06298	COLLAR (6.56-176-1.6mm)	1	63	92990-05600	WASHER	1
27	97313-06025	BOLT	1	64	91490-20010	PIN, cotter	1
28	689-14497-00	STAY, throttle wire	1	65	664-44143-00	ROD, shift 1	1
29	97313-06012	BOLT	1	66	648-44146-00	CONNECTOR, shift rod 2	1
30	689-41636-00	ROD, magneto control	1	67	90170-07021	NUT	1
31	662-41237-01	JOINT, link 2	1	THROTTLE FRICTION			
32	95303-05600	NUT	1	68	656-42126-01	PIECE, friction	1
33	676-41611-00	RETAINER, magneto base 1	1	69 *	97395-06020	BOLT	1
34	689-41612-00	RETAINER, magneto base 2	1	*	97375-06020	BOLT	1
35	676-41613-00	PLATE, base friction	1	70	90185-06062	NUT, self-locking	1

* New parts number
* Not shown

Fig. 1 | FUEL SECTION -'80/'81

Fig. 5, Ref. No. 25



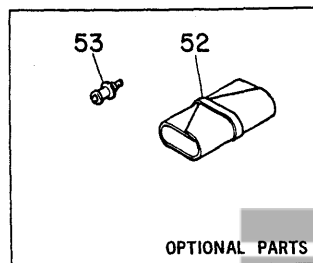
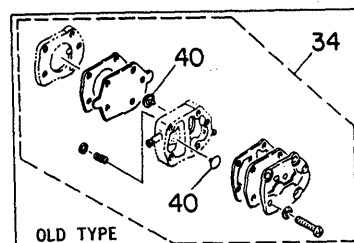
Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	664-24202-80-24	FUEL TANK ASS'Y	1	31	95303-08600	NUT	1
2	663-24244-00	. GRAPHIC, side	2	32	689-24311-00	HOSE (56-96-115mm)	1
3	663-24245-80	. GRAPHIC	1	▷ 33 *	6A0-24410-00	FUEL PUMP ASS'Y	1]B
4	802-24610-00	. CAP ASS'Y	1	◁ 34	679-24410-01	FUEL PUMP ASS'Y	1
5	656-24275-03	. FUEL METER COMP.	1	35	648-24411-00	. DIAPHRAGM, pump	1
6	663-24268-00	. GASKET, fuel meter housing	1	36	648-24424-00	. PLATE, spring guide	1
7	656-24241-03	. INDICATOR	1	37	648-24423-00	. SPRING, pump diaphragm	1
8	663-24264-00	. FLOAT	1	38	648-24434-00	. GASKET, body 1	1
9	630-24329-00	. SEAL	4	▷ 39 *	6A0-24421-00	. VALVE, check	2]B
10	98380-05018	. SCREW, cylinderhead	4	◁ 40	682-24421-00	. VALVE, check	2
11	663-24310-61	FUEL PIPE ASS'Y	1	▷ 41 *	98501-03006	. SCREW, panhead	2 B
12	655-24305-01	. FUEL PIPE JOINT COMP. 2	2	▷ 42 *	98813-03100	. NUT	2 B
13	93210-08287	. O-RING (3.06-8.06)	2	43	648-24435-02	. GASKET, body 2	1
✦ 14	90445-12M04	. HOSE (66-11.56-1900mm)	1	44	663-24411-00	. DIAPHRAGM, pump	1
15	650-24360-01	. PRIMARY PUMP ASS'Y	1	45	648-24413-01	. COVER, pump	1
✦ 16	90445-12155	. HOSE (66-11.56-1000mm)	1	46	98503-05028	. SCREW, panhead	3
17	650-24351-00	. BAND, fuel pipe	4	47	92990-05100	. WASHER	3
18	663-24397-00	. COLLAR	1	✦ 48	650-24431-00	GASKET, fuel pump	1
19	655-24304-01	FUEL PIPE JOINT COMP. 1	1	✦ 49	97313-06040	BOLT	2
20	97313-06020	BOLT	1	50	92903-06600	WASHER	2
21	92903-06600	WASHER	1	51	648-24312-01	HOSE (66-106-150mm)	1
22	90445-09M25	HOSE (56-96-410mm)	1	52	670-28100-60	TOOL ASS'Y	1
23	90467-08004	CLIP	6	53	626-28193-01-94	PLUG, water check 1	1
24	655-24560-00	FILTER ASS'Y	1				
■ 25	655-24564-00	. PACKING, filter	1				
26	655-24563-00	. ELEMENT, filter	1				
■ 27	93210-37M25	. O-RING (2.06-34.56)	1				
28	655-24521-00	. CUP, filter	1				
29	648-24566-01	BRACKET FILTER	1				
30	97313-06012	BOLT	1				

◁ 30AM S: 005225 and below
 L: 305750 and below
 LL: 600415 and below
 30AE S: 101140 and below
 L: 403150 and below
 LL: 620180 and below
 ▷ 30AM S: 005228 and up
 L: 305751 and up
 LL: 600416 and up
 30AE S: 101141 and up
 L: 403151 and up
 LL: 620181 and up

* New parts number

■ Contents of power head gasket kit (Parts No. 689-W0001-02)

✦ Also available in 30m roll (Parts No. 90890-56878)



OPTIONAL PARTS

FUEL SECTION -'80/'81

Fig. 12 ELECTRIC PARTS '80/'81

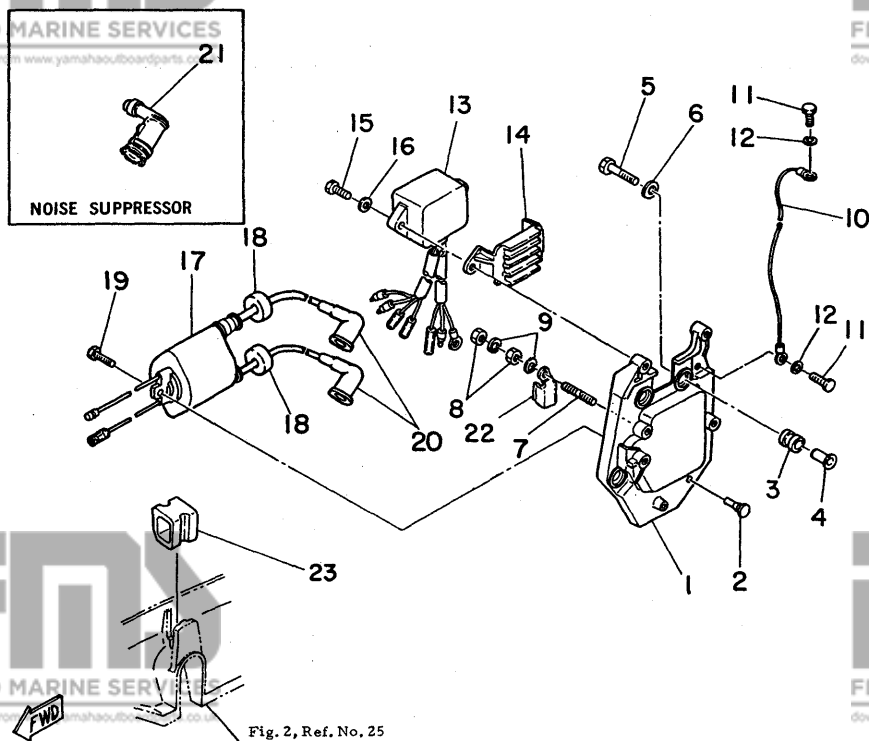
FLOOD MARINE SERVICES
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Fig. 2, Ref. No. 25

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-85542-00-94	BRACKET	1	14 *	689-85548-01	HOLDER, wire harness	1
2	689-85547-00	DAMPER	1	15	97313-06025	BOLT	2
3	663-82317-00	DAMPER	3	16	92903-06600	WASHER	2
4	624-42542-00	PIPE 1	3	17	689-85570-20	IGNITION COIL ASS'Y	1
5	97313-06025	BOLT	3	18	90480-25161	GROMMET	2
6	90201-06050	WASHER (6.24-184-1.2mm)	3	19 *	97313-06025	BOLT	2
7	90116-06M07	BOLT, stud	1	20	663-82370-01	PLUG CAP ASS'Y	2
8	95303-06600	NUT	2	21	677-82370-00	PLUG CAP ASS'Y (Noise Suppressor)	2
9	92903-06100	WASHER	2	22	90465-08M05	CLAMP	1
10	689-82519-00	WIRE, earth lead	1	23	90480-17M08	GROMMET	1
11	97313-06012	BOLT	2				
12	92903-06100	WASHER	2				
13	689-85540-20	C.D.I. UNIT ASS'Y	1				

* New parts number
* Not shown

30AM S: 005225 and below
L: 305750 and below
LL: 800415 and below

30AM S: 005226 and up
L: 305751 and up
LL: 800416 and up

30AE S: 101140 and below
L: 403150 and below
LL: 620180 and below

30AE S: 101141 and up
L: 403151 and up
LL: 620181 and up

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Fig. 13 ELECTRIC MOTOR (30AE MODEL) '80/'81

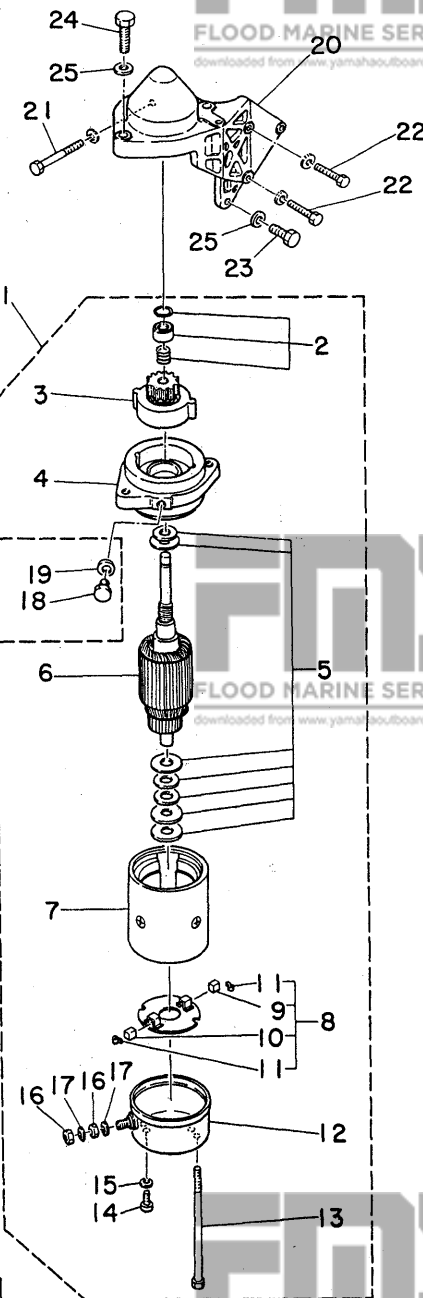
30AE S: 101515 and below
L: 404000 and below
LL: 620195 and below

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Ref.No.	Parts No.	Description	Q'ty
1	689-81800-10	ELECTRIC MOTOR ASS'Y	1
2	689-81857-10	PINION STOPPER SET	15
3	689-81807-10	PINION ASS'Y (11T)	1
4	689-81830-10	FRONT COVER ASS'Y	1
5	689-81809-10	WASHER KIT	15
6	689-81850-10	ARMATURE ASS'Y	1
7	689-81810-10	STATOR ASS'Y	1
8	689-81840-10	BRUSH HOLDER ASS'Y	1
9	689-81811-10	BRUSH 1 (+)	1
10	689-81812-10	BRUSH 2 (-)	1
11	689-81813-10	SPRING, brush	2
12	689-81820-10	REAR COVER ASS'Y	1
13	689-81826-10	BOLT	2
14	98501-04012	SCREW, panhead	2
15	92901-04100	WASHER	2
16	95303-06700	NUT	2
17	92903-06100	WASHER	2
18	97313-08012	BOLT	1
19	92903-08600	WASHER	1
20	689-15772-40-94	STAY 2	1
21	97313-06050	BOLT	1
22	97313-06030	BOLT	2
23	97313-08020	BOLT	1
24	97313-08030	BOLT	2
25	92903-08600	WASHER	3

The following parts are not used when using the electric motor.

3-30	95303-06600	NUT	1
3-32	656-15772-00-94	STAY 2	1
3-33	97313-06025	BOLT	2
5-12	97313-06035	BOLT	1



FWD

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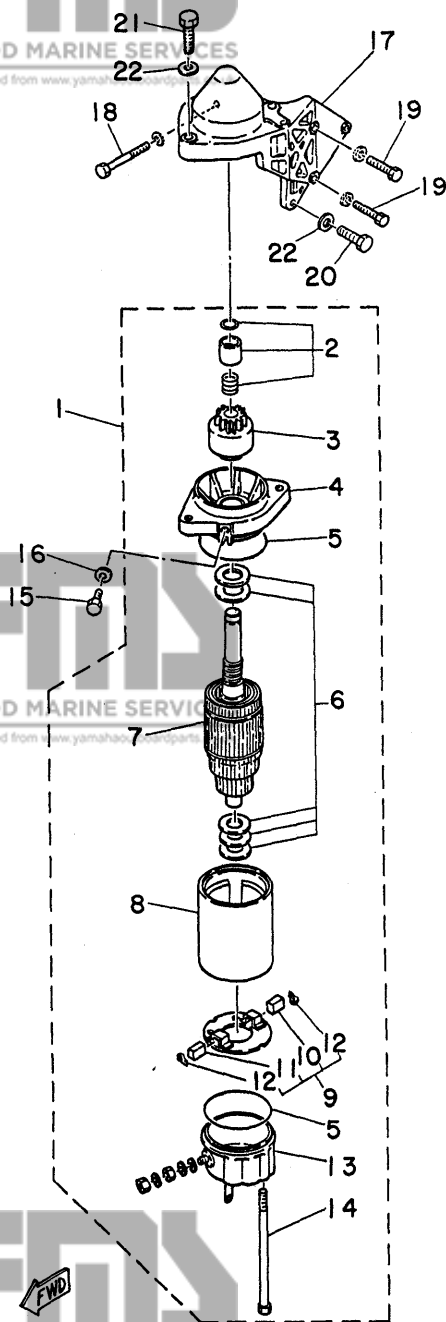
30A

FLOOD MARINE SERVICES
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Fig. 14 ELECTRIC MOTOR (30AE MODEL) '80/'81

30AE S: 101516 and up
L: 404001 and up
LL: 620196 and up



Ref.No.	Parts No.	Description	Q'ty
1	689-81800-11	ELECTRIC MOTOR ASS'Y	1
2	689-81857-11	PINION STOPPER SET	15
3	689-81807-11	PINION ASS'Y (11T)	1
4	689-81830-11	FRONT COVER ASS'Y	1
5	689-81844-11	O-RING	2
6	689-81809-11	WASHER KIT	15
7	689-81850-11	ARMATURE ASS'Y	1
8	689-81810-11	STATOR ASS'Y	1
9	689-81840-11	BRUSH HOLDER ASS'Y	1
10	689-81811-11	BRUSH 1 (+)	1
11	689-81812-11	BRUSH 2 (-)	1
12	689-81813-10	SPRING, brush	2
13	689-81820-11	REAR COVER ASS'Y	1
14	689-81826-10	BOLT	2
15	97313-08012	BOLT	1
16	92903-08600	WASHER	1
17	689-15772-40-94	STAY 2	1
18	97313-06050	BOLT	1
19	97313-06030	BOLT	2
20	97313-08020	BOLT	1
21	97313-08030	BOLT	2
22	92903-08600	WASHER	3

The following parts are not used when using the electric motor.

3-30	95303-06600	NUT	1
3-32	656-15772-00-94	STAY 2	1
3-33	97313-06025	BOLT	2
5-12	97313-06035	BOLT	1

Fig. 15 ELECTRIC PARTS (30AE MODEL) '80/'81

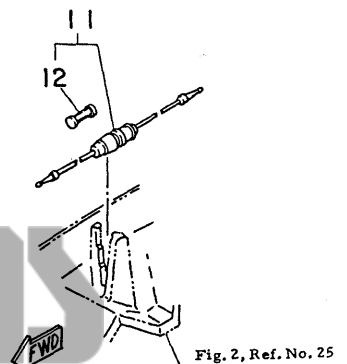
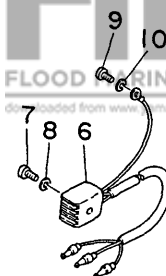
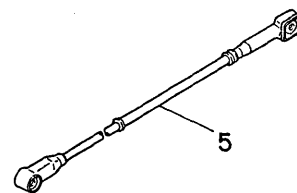
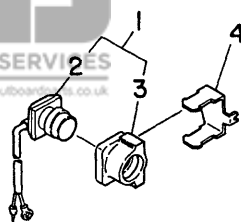


Fig. 2, Ref. No. 25

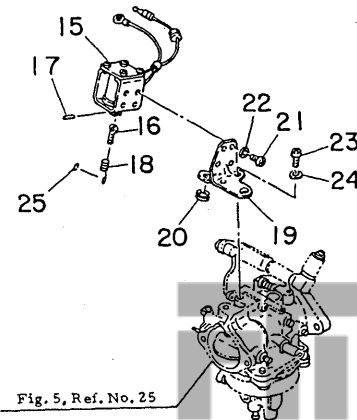


Fig. 5, Ref. No. 25

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-81940-11	STARTER RELAY ASS'Y	1	13	689-82540-00	NEUTRAL SWITCH ASS'Y	1
2	689-81940-10	STARTER RELAY ASS'Y	1	14	689-15774-40	STAY 4	1
3	682-81941-11	STARTER RELAY	1	15	689-86111-00	COIL	1
4	682-81941-10	STARTER RELAY	1	16	676-86117-00	HOOK, wire pull	1
5	689-81952-10	HOLDER, starter relay	1	17	91690-30010	PIN, spring	1
6	689-81945-00	PLATE	1	18	664-86116-00	WIRE, pull	1
7	689-82531-01	WIRE, lead	1	19	689-86112-01	STAY, solenoid	1
8	689-82531-00	WIRE, lead	1	20	90480-10155	GROMMET	1
9	664-81970-60	RECTIFIER ASS'Y	1	21	98503-04005	SCREW, panhead	4
10	97803-05025	SCREW, panhead	1	22	92903-04200	WASHER	4
11	92903-05600	WASHER	1	23	97803-05012	SCREW, panhead	2
12	97313-06012	BOLT	1	24	92903-05600	WASHER	2
13	92903-06100	WASHER	1	25	93210-03261	O-RING (1.24-2.84)	1
14	682-82150-10	FUSE HOLDER ASS'Y	1				
15	663-82151-00	FUSE (12V-20A)	1				

The following parts are not used when using the 30AE model.

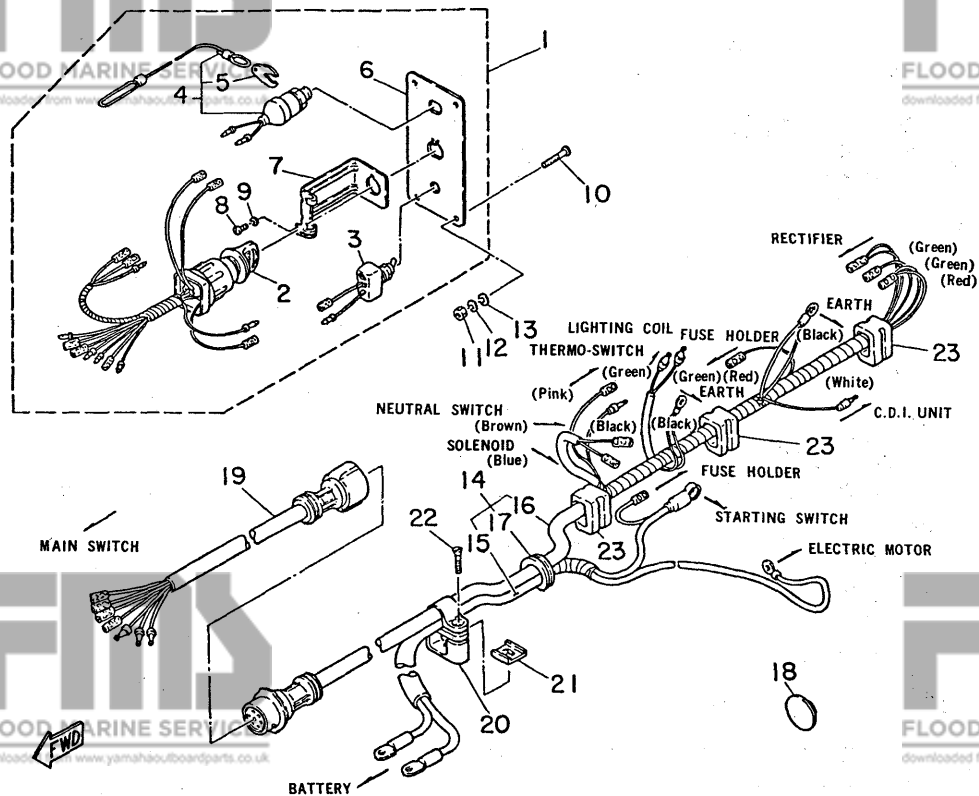
3-44	689-15774-00	STAY 4	1
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* New parts number
* Not shown

30AE S: 101515 and below
L: 404000 and below
LL: 620195 and below

30AE S: 101516 and up
L: 404001 and up
LL: 620196 and up

Fig. 16 SWITCH PANEL (30AE MODEL) -'80/'81



Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	689-82570-10	SWITCH PANEL ASS'Y	1	14 *	689-82580-11	WIRE HARNESS ASS'Y	1
2	688-82508-10	MAIN SWITCH ASS'Y	1	15 *	689-82580-10	WIRE HARNESS ASS'Y	1
3	688-82574-00	SWITCH, choke	1	16	689-82105-11	WIRE LEAD ASS'Y	1
4	688-82575-00	KILL SWITCH ASS'Y	1	17	689-82105-10	WIRE LEAD ASS'Y	1
5	663-82556-70	STOPPER	1	18	689-82590-10	WIRE LEAD ASS'Y	1
6	689-82571-00	PANEL, switch	1	19	689-42724-50	GROMMET	1
7	663-82581-01	STAY, cord clamp	1	20	90480-17165	GROMMET	1
8	98303-04008	SCREW, cylinderhead	1	21	688-82586-20	EXTENSION, wire harness (5m)	1
9	92901-04100	WASHER	1	22	676-82594-10	CLAMP	1
10	98903-05025	SCREW, bind	4	23	682-42525-00	PLATE, friction 1	1
11	95303-05600	NUT	4		90161-06M00	SCREW, flathead tapping	1
12	92903-05100	WASHER	4		90480-17M08	GROMMET	3
13	92903-05600	WASHER	4				

The following parts are not used when using the 30AE model.

2-40	682-84381-00	2P CONCENT 1	1	2-42	689-82575-01	KILL SWITCH ASS'Y	1
				2-43	663-82556-70	STOPPER	

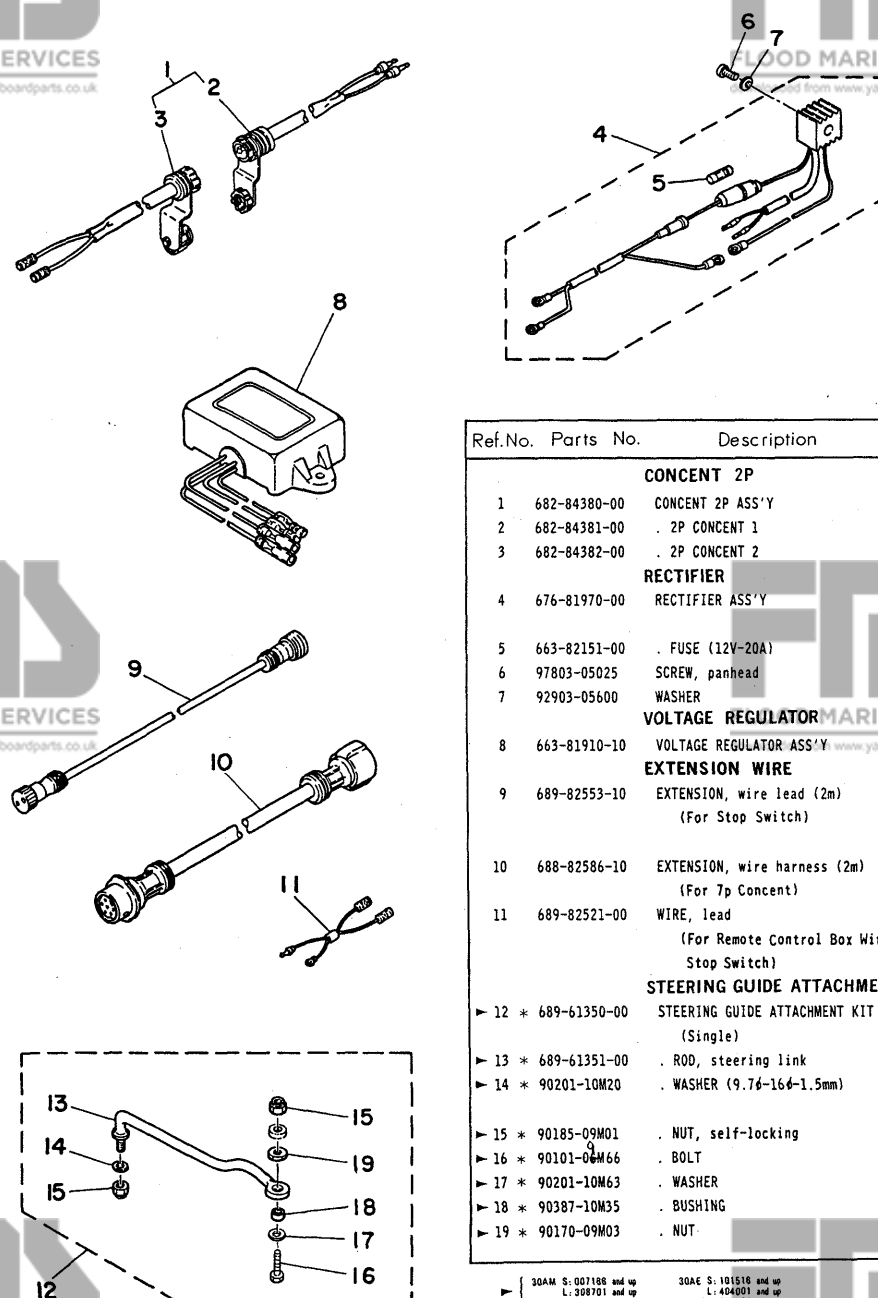
* New parts number
* Not shown

30AE S: 101515 and below
L: 404000 and below
LL: 820195 and below

30AE S: 101518 and up
L: 404001 and up
LL: 820196 and up

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Fig. 17 OPTIONAL PARTS I -'80/'81



Ref.No.	Parts No.	Description	Q'ty
CONCENT 2P			
1	682-84380-00	CONCENT 2P ASS'Y	1
2	682-84381-00	2P CONCENT 1	1
3	682-84382-00	2P CONCENT 2	1
RECTIFIER			
4	676-81970-00	RECTIFIER ASS'Y	1
5	663-82151-00	FUSE (12V-20A)	1
6	97803-05025	SCREW, panhead	1
7	92903-05600	WASHER	1
VOLTAGE REGULATOR			
8	663-81910-10	VOLTAGE REGULATOR ASS'Y	1
EXTENSION WIRE			
9	689-82553-10	EXTENSION, wire lead (2m) (For Stop Switch)	1
10	688-82586-10	EXTENSION, wire harness (2m) (For 7p Concent)	1
11	689-82521-00	WIRE, lead (For Remote Control Box With Stop Switch)	1
STEERING GUIDE ATTACHMENT			
12 *	689-61350-00	STEERING GUIDE ATTACHMENT KIT (Single)	15
13 *	689-61351-00	ROD, steering link	1
14 *	90201-10M20	WASHER (9.76-164-1.5mm)	1
15 *	90185-09M01	NUT, self-locking	2
16 *	90101-06M66	BOLT	1
17 *	90201-10M63	WASHER	1
18 *	90387-10M35	BUSHING	1
19 *	90170-09M03	NUT	1

30AM S: 007188 and up
L: 308701 and up
LL: 600691 and up

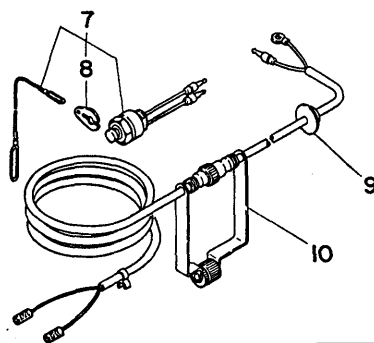
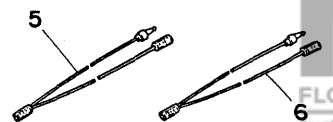
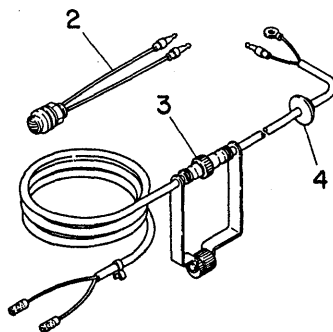
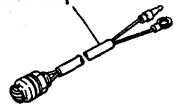
30AE S: 101518 and up
L: 404001 and up
LL: 820196 and up

* New parts number

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Fig. 18 OPTIONAL PARTS 2 -'80/'81

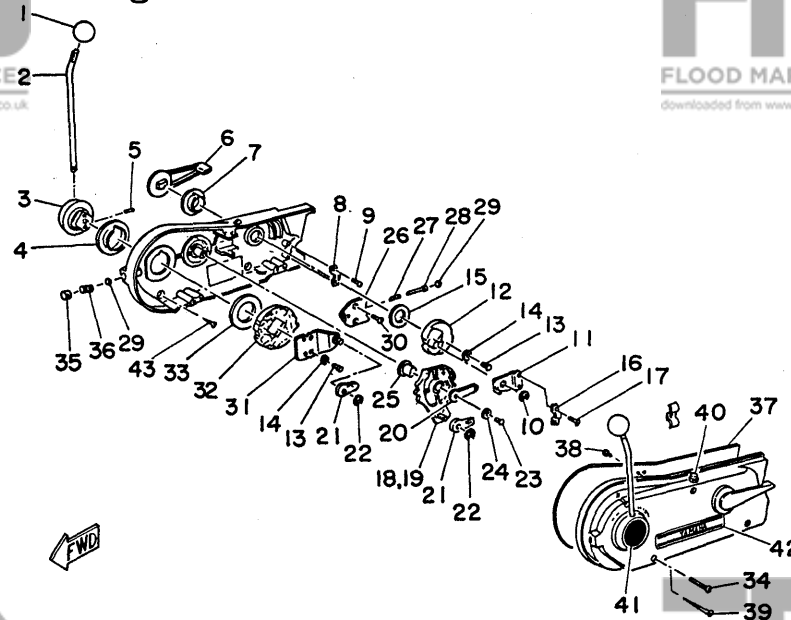


Ref.No.	Parts No.	Description	Q'ty
STOP SWITCH			
1 *	689-82550-01	STOP SWITCH ASS'Y	1
*	689-82550-00	STOP SWITCH ASS'Y	1
The following parts are not used when using the stop switch ass'y. (Parts No. 689-82550-01)			
2-42	689-82575-01	KILL SWITCH ASS'Y	1
2-43	663-82556-70	STOPPER	1
STOP SWITCH (5m)			
2	689-82550-10	STOP SWITCH ASS'Y	1
3	689-82553-20	EXTENSION, wire lead (5m)	1
4	689-42725-40	GROMMET 2	1
The following parts are not used when using the stop switch (5m).			
2-42	689-82575-01	KILL SWITCH ASS'Y	1
2-43	663-82556-70	STOPPER	1
LEAD WIRE			
▶ 5 *	699-82149-A0	WIRE, lead (Gray)	1
▶ 6 *	699-82149-00	WIRE, lead (Orange)	1
KILL SWITCH (5m)			
7 *	689-82575-11	KILL SWITCH ASS'Y	1
*	689-82575-10	KILL SWITCH ASS'Y	1
8	663-82556-70	STOPPER	1
9	689-82553-20	EXTENSION, wire lead (5m)	1
10	689-42725-40	GROMMET 2	1
The following parts are not used when using the kill switch (5m).			
2-42	689-82575-01	KILL SWITCH ASS'Y	1
2-43	663-82556-70	STOPPER	1

30AE S: 007186 and up
L: 308701 and up
LL: 600691 and up

* New parts number
* Not shown

Fig. 19 REMOTE CONTROL ASS'Y -'80/'81

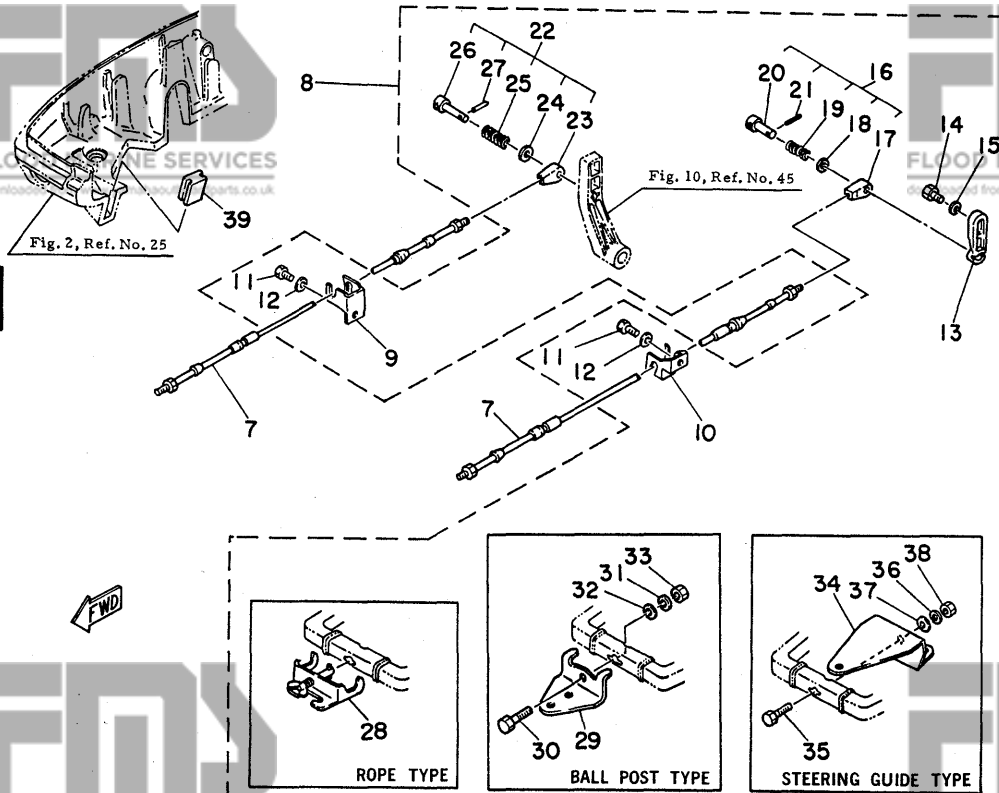
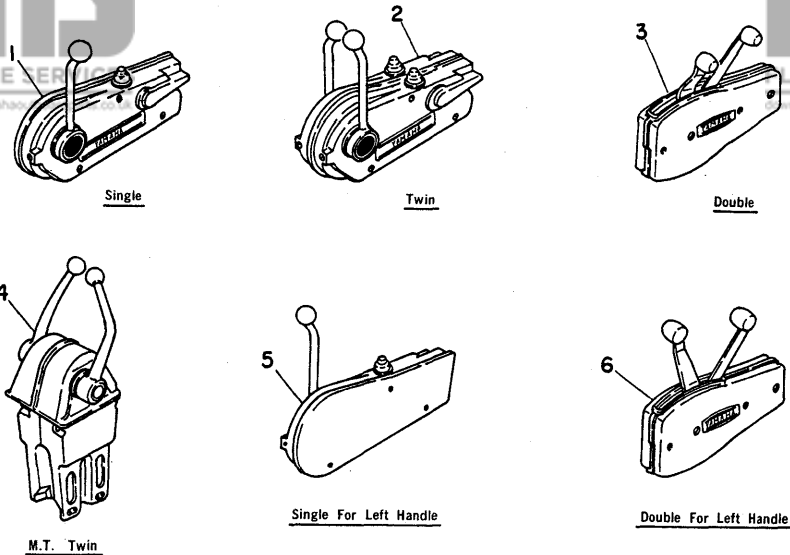


Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
*	701-48110-11	REMOTE CONTROL ASS'Y 1 (See Fig. 20, Ref. No. 1)	1 -	21	701-48345-30	CABLE END, remote control	2 4
*	701-48110-21	REMOTE CONTROL ASS'Y 2 (See Fig. 20, Ref. No. 2)	- 1	22	93430-06024	CIRCLIP (E-66)	2 4
1	701-48118-10	GRIP, shift lever	1 2	23	90140-05008	SCREW	1 2
2	701-48137-10	LEVER, control	1 2	24	92990-05300	WASHER, tooth	1 2
3	701-48114-10	BOSS, control lever	1 2	25	701-48165-10	BUSHING	1 2
4	701-48116-10	BUSHING	1 2	26	701-48189-10	RETAINER	1 2
5	701-48127-10	SCREW	1 2	27	701-48159-10	SPRING 2	1 2
6	701-48152-10	KNOB, free accel.	1 2	28	701-48155-10	PLUNGER	1 2
7	701-48234-10	BUSHING 1	1 2	29	93503-08025	BALL, steel	2 4
8	701-48352-10	ANCHOR, cable	1 2	30	90141-05005	SCREW	2 4
9	90146-05004	SCREW, ovalhead	2 4	31	701-48132-10	LEVER, throttle 2	1 2
10	93430-10025	CIRCLIP (E-106)	1 2	32	701-48131-10	LEVER, throttle 1	1 2
11	701-48133-10	PLATE, link	1 2	33	701-48196-10	WASHER, wave	1 2
12	701-48153-10	SHIFT	1 2	34	90141-05006	SCREW	- 3
13	90146-06003	SCREW, ovalhead	3 6	35	701-48171-10	BOLT	1 2
14	92990-06300	WASHER, tooth	3 6	36	701-48158-10	SPRING	1 2
15	701-48191-10	WASHER 1	1 2	37	701-48119-10	COVER	1 1
16	701-48352-10	ANCHOR, cable	1 2	38	90140-05009	SCREW	3 -
17	90146-05004	SCREW, ovalhead	2 4	39	90130-05003	SCREW	3 -
18	701-48148-10	LEVER, shift	- 1	40	701-82550-51	STOP SWITCH ASS'Y	1 2
19	701-48136-10	LEVER, shift	1 1	41	701-48125-51	MARK 1	1 1
20	701-48147-10	PLATE, lock	1 2	42	701-48126-51	MARK 2	1 1
				43	90130-05002	SCREW	3 3

* Not shown

Fig. 20 REMOTE CONTROL '80/'81

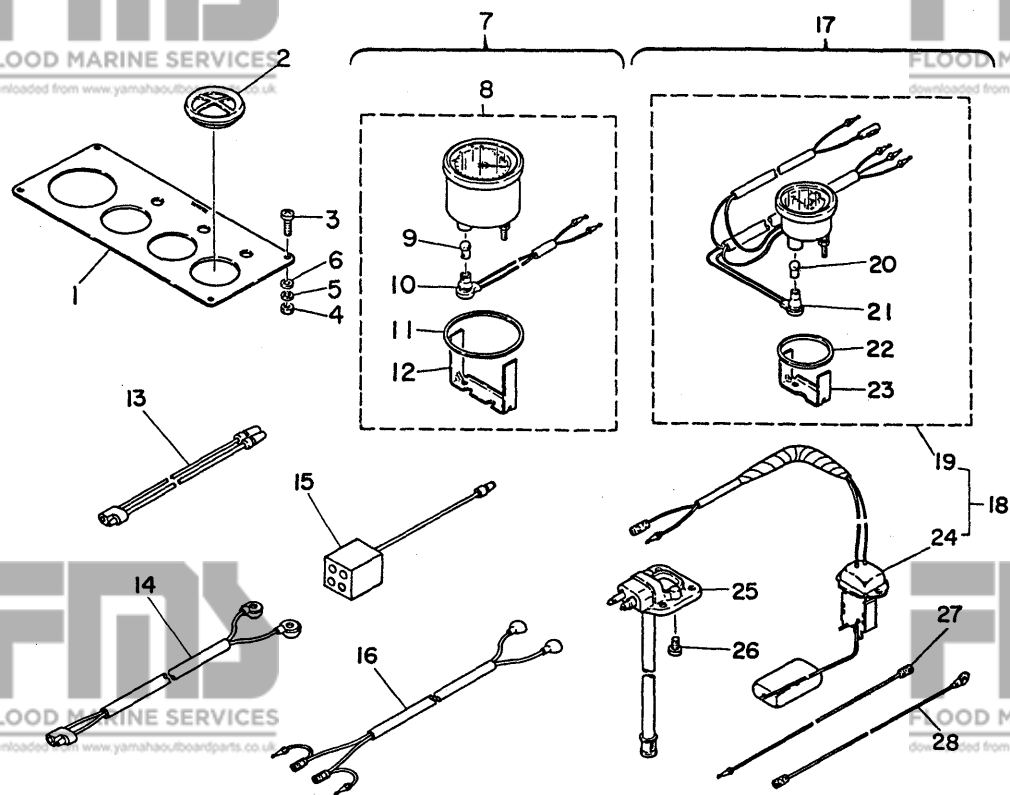
REMOTE CONTROL '80/'81



Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
REMOTE CONTROL							
▲ 1	701-48110-11	REMOTE CONTROL ASS'Y 1	U.R.	14 *	97395-06012	BOLT	1
▲ 2	701-48110-21	REMOTE CONTROL ASS'Y 2		*	97375-06012	BOLT	1
3	701-48110-31	REMOTE CONTROL ASS'Y 3		15	92990-06600	WASHER	1
4	701-48110-80	REMOTE CONTROL ASS'Y 8		16	679-48340-90	CABLE END ASS'Y (Throttle)	1
5	701-48120-11	REMOTE CONTROL ASS'Y 1	U.R.	17	679-48346-90	CABLE END, remote control	1
6	701-48120-31	REMOTE CONTROL ASS'Y 3		18	92990-08200	WASHER	2
7	701-48310-40	CABLE, remote control 8F		19	90501-10264	SPRING, compression	1
	701-48310-60	CABLE, remote control 9F		20	617-48361-90	HOOK, cable	1
	701-48310-90	CABLE, remote control 11F	U.R.	21	91690-30012	PIN, spring	1
	701-48320-00	CABLE, remote control 12F		22	648-48330-50	CABLE END ASS'Y (Shift)	1
	701-48320-20	CABLE, remote control 13F		23	648-48346-50	CABLE END, remote control	1
	701-48320-30	CABLE, remote control 14F		24	92990-08200	WASHER	1
	701-48320-50	CABLE, remote control 15F	U.R.	25	90501-10071	SPRING, compression	1
	701-48320-60	CABLE, remote control 16F		26	617-48331-90	HOOK, cable 1	1
	701-48320-80	CABLE, remote control 17F	U.R.	27	91690-30012	PIN, spring	1
	701-48320-90	CABLE, remote control 18F					
REMOTE CONTROL ATTACHMENT				ROPE TYPE			
8	689-48501-00-F6	ATTACHMENT ASS'Y (Rope Type)	1	28	700-48510-12	STEERING HOOK ASS'Y	1
	(Ref. No. 9 to 28)			BALL POST TYPE			
*	689-48501-00	ATTACHMENT ASS'Y (Rope Type)	1	29	676-48511-10	HOOK, steering	1
	(Ref. No. 9 to 28)			30	97375-10040	BOLT	1
*	689-48501-10-F6	ATTACHMENT ASS'Y (Ball Post Type)	1	31	92990-10100	WASHER	1
	(Ref. No. 9 to 27, 29 to 33)			32	92990-10600	WASHER	1
*	689-48501-10	ATTACHMENT ASS'Y (Ball Post Type)	1	33	95380-10600	NUT	1
	(Ref. No. 9 to 27, 29 to 33)			STEERING GUIDE TYPE			
► *	689-48501-20-F6	ATTACHMENT ASS'Y (Steering Guide Type)	1	► 34 *	689-48511-00	HOOK STEERING	1
	(Ref. No. 9 to 27, 34 to 38)			► 35 *	97375-10040	BOLT	1
9	656-48531-50	BRACKET, remote control 1	1	► 36 *	92990-10100	WASHER	1
10	656-48532-50	BRACKET, remote control 2		► 37 *	92990-10600	WASHER	1
11 *	97395-06016	BOLT	2	► 38 *	95380-10600	NUT	1
*	97375-06016	BOLT		OPTIONAL PARTS			
12	92990-06600	WASHER	2	39	676-42724-40	GROMMET 1	1
13 *	648-48534-50-F6	THROTTLE LEVER, control		(For Without Manual Steering)			
*	648-48534-50-94	THROTTLE LEVER, control	1				

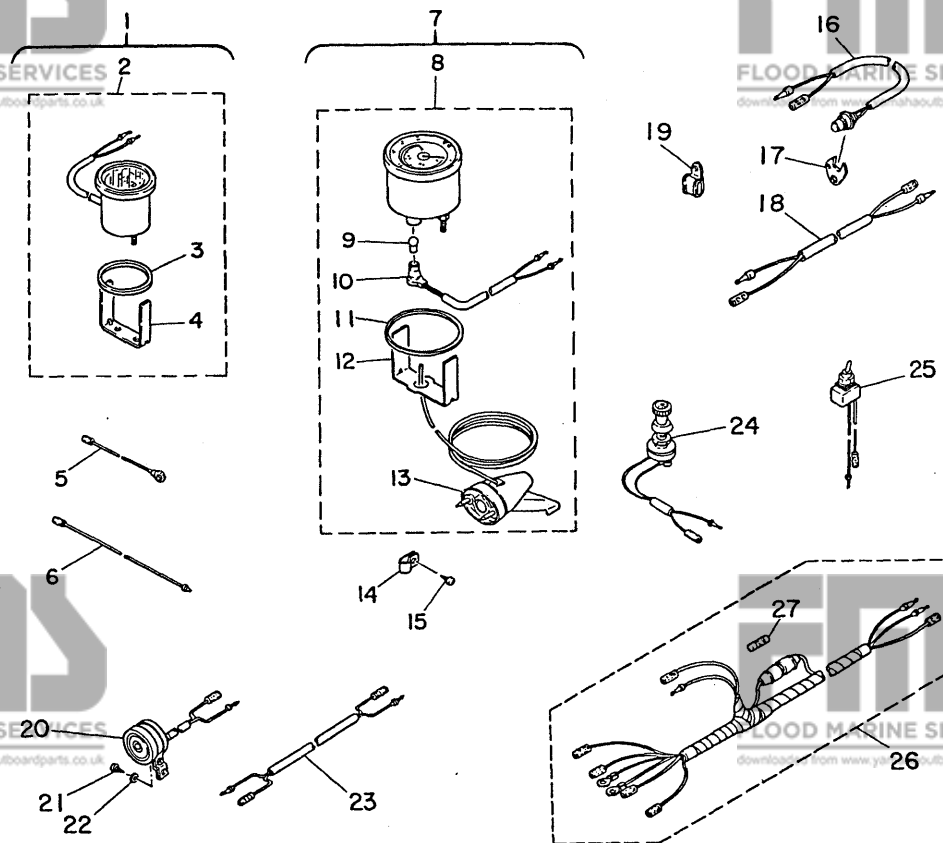
- 30AM S: 007188 and up
 L: 308701 and up
 LL: 600691 and up
- 30AE S: 101516 and up
 L: 404001 and up
 LL: 620196 and up
- * New parts number
 * Not shown
 ▲ See Fig. 19 for detail service parts

Fig. 21 ACCESSORY PARTS 1 -'80/'81



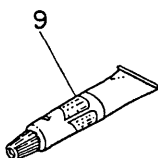
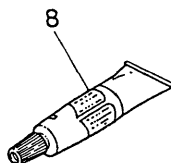
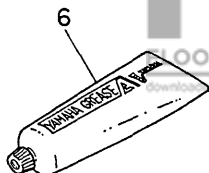
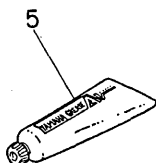
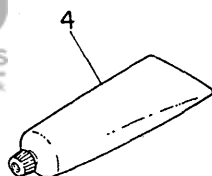
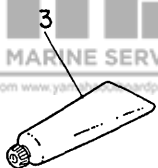
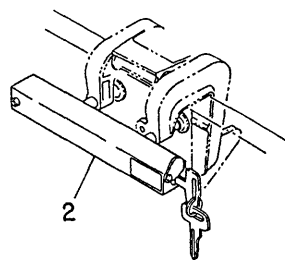
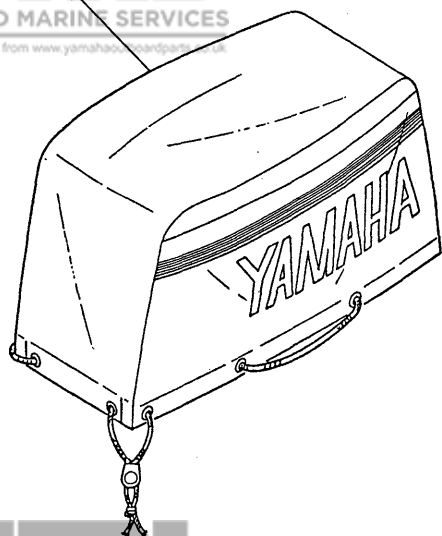
Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	688-83611-00	PANEL, meter	1	15	676-82529-G0	CONNECTOR	1
2	688-83559-00	COVER, meter	U.R.	16	689-83553-20	WIRE, lead	1
3	98903-05025	SCREW, bind	4	17	688-W0088-20	FUEL METER KIT	15
4	95303-05600	NUT	4	18	688-85750-00	FUEL METER ASS'Y	1
5	92903-05100	WASHER	4	19	688-85751-00	FUEL GAUGE	1
6	92903-05600	WASHER	4	20	688-83516-00	BULB (12V-1.7W)	1
7	676-W0080-01	TACHOMETER KIT	15	21	688-83536-00	SOCKET, meter	1
8	688-83540-00	TACHOMETER ASS'Y	1	22	688-83664-00	DAMPER	1
9	688-83516-00	BULB (12V-1.7W)	1	23	688-85756-00	PLATE, fitting	1
10	688-83536-00	SOCKET, meter	1	24	688-85752-00	FUEL SENDER	1
11	688-83523-00	DAMPER	1	25	663-24275-00	FUEL METER COMP.	1
12	688-83544-00	PLATE, fitting	1	26	98503-05010	SCREW, panhead	2
13	663-82541-09	WIRE, lead	1	27	663-83553-Y0	WIRE, lead (Yellow)	1
14	676-82553-G0	WIRE, lead	1	28	663-83553-A0	WIRE, lead	1

Fig. 22 ACCESSORY PARTS 2 -'80/'81



Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	688-W0088-30	HOUR METER KIT	15	15	97780-40116	SCREW, panhead tapping	5
2	688-83504-00	HOUR METER ASS'Y	1	16	688-82560-00	THERMO SWITCH ASS'Y	1
3	688-83664-00	DAMPER	1	17	689-82588-00	PLATE	1
4	688-83557-00	PLATE, fitting	1	18	689-82509-00	WIRE, lead	1
5	663-83553-A0	WIRE, lead	1	19	90461-06M00	CLAMP	1
6	663-83553-Y0	WIRE, lead (Yellow)	1	20	688-83383-10	BUZZER	1
7	688-W0081-00	SPEEDOMETER KIT	15	21	97780-60516	SCREW, panhead tapping	1
8	688-83510-00	SPEEDOMETER ASS'Y	1	22	92903-05600	WASHER	1
9	688-83516-00	BULB (12V-1.7W)	1	23	688-83373-10	LEAD, horn	1
10	688-83536-00	SOCKET, meter	1	24	688-82520-00	LAMP SWITCH ASS'Y	1
11	688-83523-00	DAMPER	1	25	688-82526-00	SWITCH, lamp	1
12	688-83514-00	PLATE, fitting	1	26	688-83553-10	WIRE, lead	1
13	688-83556-00	SENDER	1	27	1E6-82151-00	FUSE (12V-10A)	1
14	90601-31402	CLIP, nylon 14	5				

Fig. 23 ACCESSORY PARTS 3 -'80/'81



Ref.No.	Parts No.	Description	Q'ty
1	90890-56875	ENGINE COVER	1
2	90890-46000	OUTBOARD LOCK	1
3	YM9-27837-61-2M	ANTI-CORROSION GREASE	U.R.
4	90890-69908	YAMAHA GREASE C (150g)	U.R.
5	90890-69910	YAMAHA GREASE A (50g)	} U.R.
6	90890-69911	YAMAHA GREASE A (250g)	
7	90890-69912	YAMAHA GREASE A (4Kg)	
		YAMAHA BOND	
8	90890-05143	YAMAHA BOND (200g)	} U.R.
9	90890-05144	YAMAHA BOND (150g)	
10	90890-05074	YAMAHA BOND (100g)	