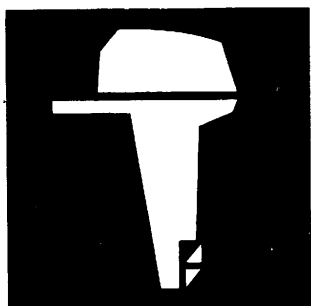


YAMAHA



PARTS CATALOGUE

E-9.9B'93 (682)

E-15B '93 (684)

YAMAHA
GENUINE
Parts & Accessories

1R682-200E1



FOREWORD

This Parts Catalogue is related to the parts in use for the Yamaha outboard motor E-9.9B'93 (682) and E-15B'93(684). When you are ordering replacement parts E-9.9B'93(682) and E-15B'93(684), 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 indentation 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.

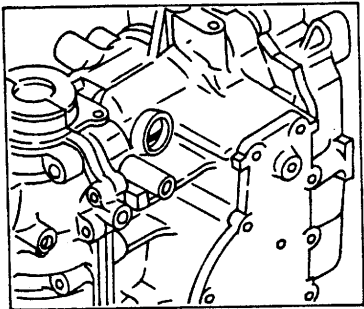
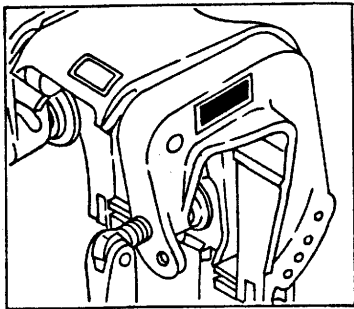
EXAMPLE

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.	E-9.9B	S : 007642 and following
		L : 307978 and following
		SUL : 700776 and following
	E-15B	S : 022700 and following
		L : 342168 and following
		SUL : 700986 and following



Color Code	Color Name	Abbreviate
EJ	METALLIC MARINE BLUE	MMB

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Fig. 1 CYLINDER. CRANKCASE

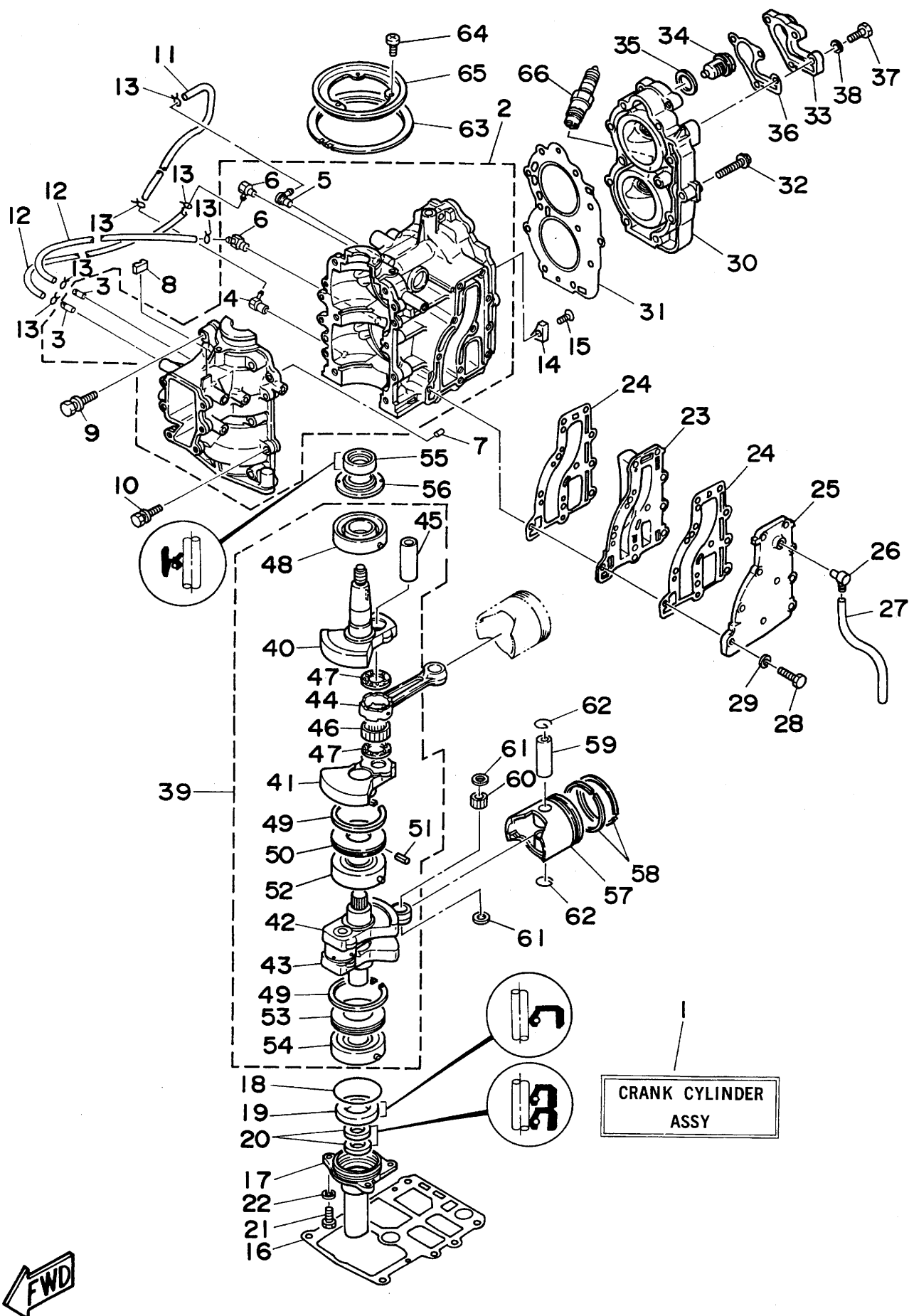


Fig. 1 CYLINDER. CRANKCASE

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	682-W0090-04-EJ	CRANK CYLINDER ASSY (E-9.9B Model)		36	682-12414-A1	GASKET, cover	1
		(Ref. No. 2 to 65)	1 UR	37	97313-06020	BOLT	4
	684-W0090-04-EJ	CRANK CYLINDER ASSY (E-15B Model)		38	92990-06600	WASHER, plate	4
		(Ref. No. 2 to 65)	1 UR	39	682-11400-02	CRANKSHAFT ASSY	1
2	682-15100-02-94	CRANKCASE ASSY	1	40	682-11412-01	.CRANK 1	1
3	624-14485-00	.PIPE, joint	2	41	6K4-11432-00	.CRANK 3	1
4	650-11370-00	.CHECK VALVE ASSY	1	42	6K4-11422-00	.CRANK 2	1
5	650-14485-02	.PIPE, joint	1	43	682-11442-01	.CRANK 4	1
6	646-11370-00	.CHECK VALVE ASSY	2	44	650-11651-04	.ROD, connecting	2
7	93606-12019	PIN, dowel	2	45	682-11681-00	.PIN, crank 1	2
8	682-41615-00	STOPPER, magneto base	1	46	93310-620V5	.BEARING, cylindrical	2
9	90119-08M17	BOLT, with washer	6	47	90209-20159	.WASHER	4
10	90119-06M13	BOLT, with washer	4	48	93306-205U2	.BEARING	1
11	90445-07M08	HOSE	1	49	93440-57M01	.CIRCLIP	2
12	90445-07M02	HOSE	2	50	682-11515-02	.SEAL, labyrinth 1	1
13	90467-06016	CLIP	6	51	91690-20008	.PIN, spring	1
14	682-11325-00	ANODE	1	52	93304-205U0	.BEARING	1
15	98780-05016	SCREW, flat head	1	53	682-11525-00	.SEAL, labyrinth 2	1
16	682-11351-A0	GASKET, cylinder	1	54	93306-304U0	.BEARING	1
17	682-15396-03-5B	HOUSING, oil seal	1	55	93110-23M00	OIL SEAL	1
18	93210-53M81	O-RING	1	56	682-11445-00	SPACER	1
19	93101-20M34	OIL SEAL	1	57	6E7-11631-00-97	PISTON (STD)	2
20	93101-13M11	OIL SEAL	2		6E7-11635-00	PISTON (0.25MM O/S)	2 AP
21	97395-06016	BOLT	3		6E7-11636-00	PISTON (0.50MM O/S)	2 AP
22	92990-06600	WASHER, plate	3	58	682-11610-01	PISTON RING SET (STD)	2
23	682-41111-00-9M	INNER COVER, exhaust	1		682-11610-11	PISTON RING SET (1ST O/S)	2 AP
24	682-41112-A1	GASKET, exhaust inner cover	2		682-11610-21	PISTON RING SET (2ND O/S)	2 AP
25	682-41113-00-9M	OUTER COVER, exhaust	1	59	634-11633-00	PIN, piston	2
26	676-11372-00	NIPPLE, hose	1	60	93602-14104	PIN, dowel	50
27	90445-09095	HOSE	1	61	90201-14377	WASHER, plate	4
28	97313-06025	BOLT	10	62	93450-15023	CIRCLIP	4
29	92990-06600	WASHER, plate	10	63	682-41612-01	RETAINER, magneto base	1
30	682-11111-00-94	HEAD, cylinder 1 (E-9.9B Model)	1 UR	64	97890-06010	SCREW, pan head	3
	684-11111-00-94	HEAD, cylinder 1 (E-15B Model)	1 UR	65	682-41611-00	RETAINER, magneto base	1
31	6E7-11181-A0	GASKET, cylinder head 1	1	66	94701-00217	PLUG, spark (NGK B7HS-10)	
32	90105-07M05	BOLT, washer based	11			(C.D.I. Model)	2 UR
33	682-12413-00-9M	COVER, thermostat	1		94701-00040	PLUG, spark (NGK B7HS)	
34	6E5-12411-01	THERMOSTAT	1 AP			(POINT Model)	2 UR
35	90201-21567	WASHER, plate	1 AP				

Fig. 2 INTAKE

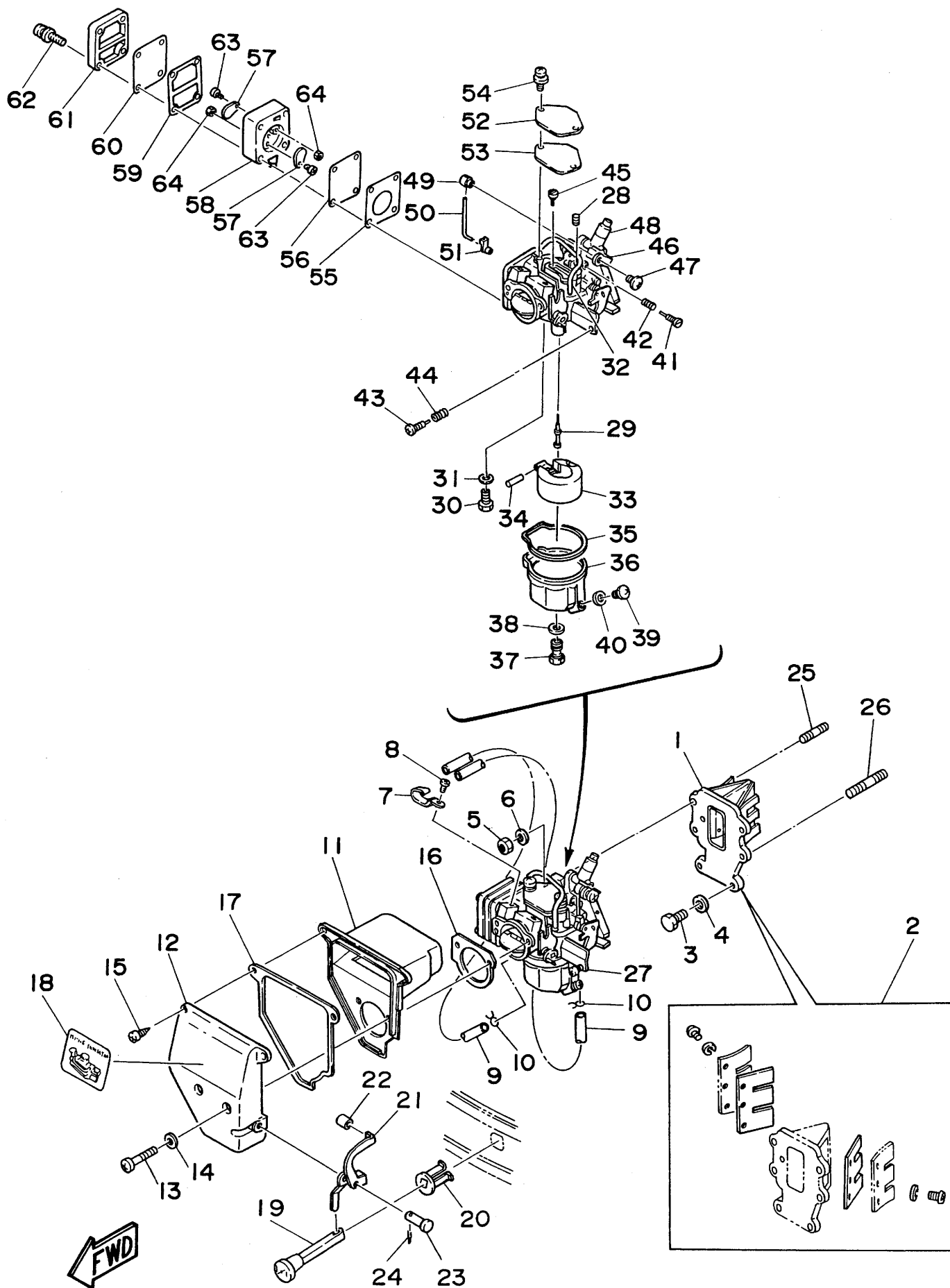


Fig. 2 INTAKE

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	682-13610-01	REED VALVE ASSY (E-9.9B Model)	1 UR	32	367-14396-00	.PIPE	1
	6E8-13610-01	REED VALVE ASSY (E-15B Model)	1 UR	33	6E7-14385-00	.FLOAT	1
2	682-W0004-00	.REED SET	1	34	647-14386-10	.PIN, float	1
3	97313-06016	BOLT	4	35	677-14384-01	.GASKET, float chamber	1
4	92990-06600	WASHER, plate	4	36	6E7-14381-00	.BODY, float chamber	1
5	95380-06700	NUT	2	37	677-14343-48	.JET, main (# 96) (E-9.9B Model)	1 UR
6	92990-06600	WASHER, plate	2		677-14343-51	.JET, main (#102) (E-15B Model)	1 UR
7	90465-08M06	CLAMP	1	38	1J2-14398-00	.GASKET	1
8	97890-05008	SCREW, pan head	1	39	97890-04005	.SCREW, pan head	1
9	90445-07M02	HOSE	2	40	655-14398-00	.GASKET	1
10	90467-06016	CLIP	2	41	647-14323-00	.SCREW, air adjusting	1
11	682-14417-02	COVER 1	1	42	646-14212-01	.SPRING, pilot adjusting	1
12	682-14418-01	COVER 2	1	43	98580-04020	.SCREW, pan head	1
13	98580-05530	SCREW, pan head	2	44	654-14334-00	.SPRING, air adjusting	1
14	92990-05600	WASHER, plate	2	45	647-14326-00	.SCREW, guide	1
15	97780-50514	SCREW, tapping	2	46	682-41210-00	.ACCEL. ARM ASSY	1
16	682-14483-A0	GASKET	1	47	677-14327-00	.SCREW	1
17	682-14416-A0	GASKET, air cleaner	1	48	682-41291-00	.BUSHING	1
18	682-14488-01	LABEL, caution	1	49	677-41226-00	.END, throttle lever	1
19	682-41271-00	KNOB, choke	1	50	682-41219-00	.ROD	1
20	682-41273-00	GROMMET	1	51	661-41262-02	.JOINT, choke lever	1
21	682-41252-01	LEVER, choke	1	52	677-14157-01	.COVER, mixing	1
22	682-41267-00	BUSHING, joint	1	53	677-14227-01	.GASKET	1
23	682-41263-00	PIN, choke lever	1	54	98580-04010	.SCREW, pan head	2
24	90468-10005	CLIP	1	55	677-24434-02	.GASKET, body	1
25	90116-06130	BOLT, stud	1	56	677-24411-02	.DIAPHRAGM	1
26	90116-06M04	BOLT, stud	1	57	6A0-24421-01	.VALVE, check	2
27	682-14301-0A	CARBURETOR ASSY 1 (E-9.9B Model)	1 UR	58	682-24412-01	.BODY 1	1
	684-14301-0A	CARBURETOR ASSY 1 (E-15B Model)	1 UR	59	677-24435-02	.GASKET, body 2	1
28	647-14342-25	.JET, pilot (# 50)	1	60	677-24471-01	.DIAPHRAGM	1
29	682-14341-00	.NOZZLE, main (E-9.9B Model)	1 UR	61	677-24413-01	.BODY 2	1
	684-14341-00	.NOZZLE, main (E-15B Model)	1 UR	62	677-24444-01	.SCREW	4
30	6E8-14390-12	.NEEDLE VALVE ASSY	1	63	6E7-14325-00	.SCREW, pan head	2
31	367-14195-00	.GASKET	1	64	95380-03600	.NUT	2

Fig. 3 STARTER

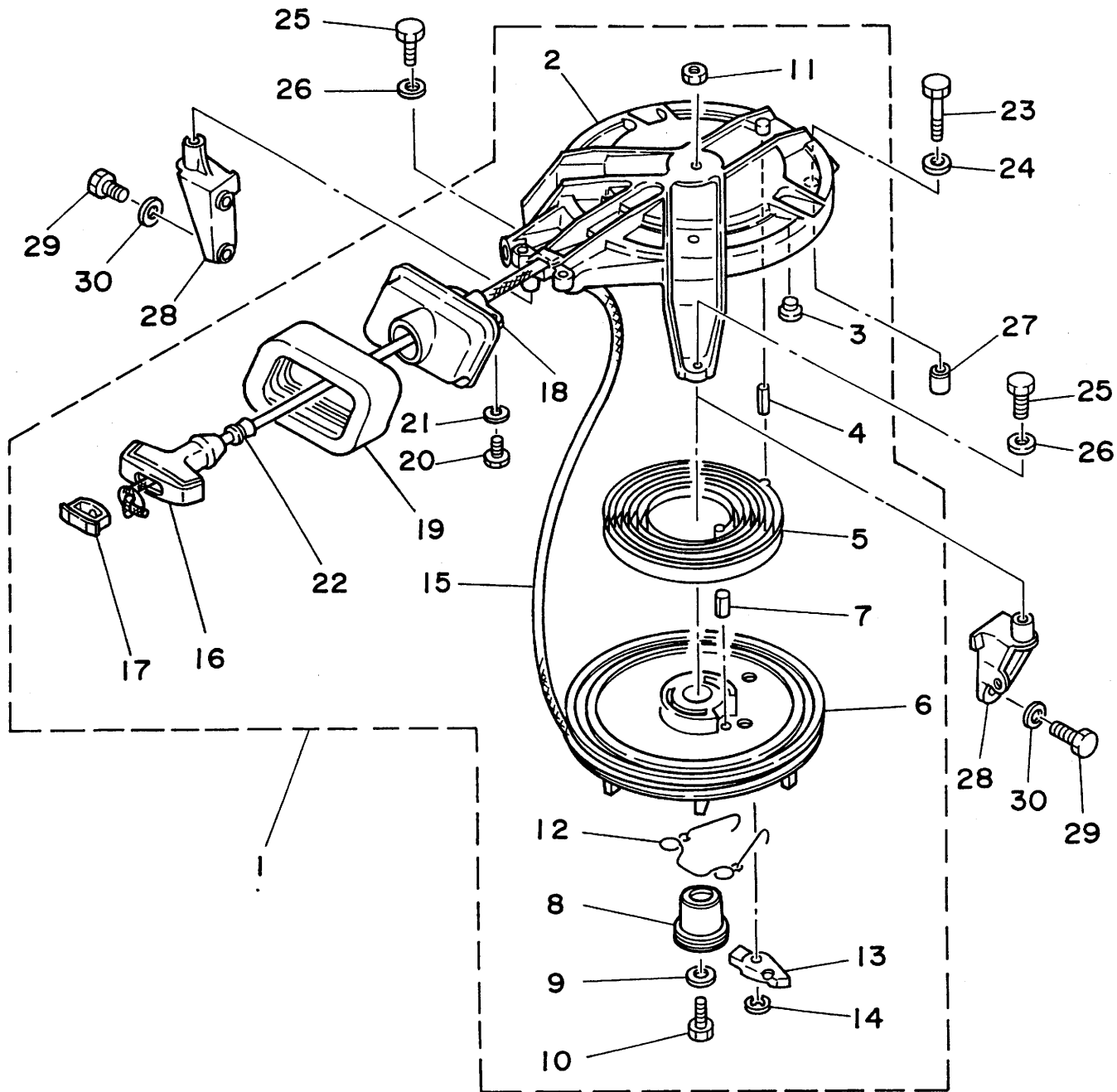


Fig. 3 STARTER

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6E7-15710-04-94	STARTER ASSY	1	16	689-15755-01	.HANDLE, starter	1
2	682-15711-71-94	.CASE, starter	1	17	6F5-15779-02	.COVER	1
3	648-15773-00	.STAY 3	1	18	6E7-15758-00-94	.GUIDE, rope	1
4	91690-40016	.PIN, spring	1	19	6E7-15761-00	.SEAL, rubber 1	1
5	90510-08M04	.SPRING, spiral	1	20	97395-06016	.BOLT	2
6	677-15714-00-94	.DRUM, sheave	1	21	92990-06600	.WASHER, plate	2
7	91690-40020	.PIN, spring	1	22	689-15789-00	.DAMPER	1
8	677-15717-01	.SHAFT, starter	1	23	97395-06035	BOLT	1
9	90201-065F3	.WASHER, plate	1	24	92990-06600	WASHER, plate	1
10	90119-06M34	.BOLT	1	25	97395-06020	BOLT	2
11	95303-06600	.NUT	1	26	92990-06600	WASHER, plate	2
12	677-15705-02	.SPRING, drive pawl	1	27	99530-10014	PIN, dowel	1
13	677-15741-01	.PAWL, drive	1	28	6E7-15771-01-94	STAY 1	2
14	93430-06M02	.CIRCLIP	1	29	97313-06018	BOLT	4
15	*	.WIRE (L1650)	1	30	92990-06600	WASHER, plate	4

*Cut from 50m rolls, Parts No. 90890-44373, Cutting length 1.65m.

Fig. 4 FUEL

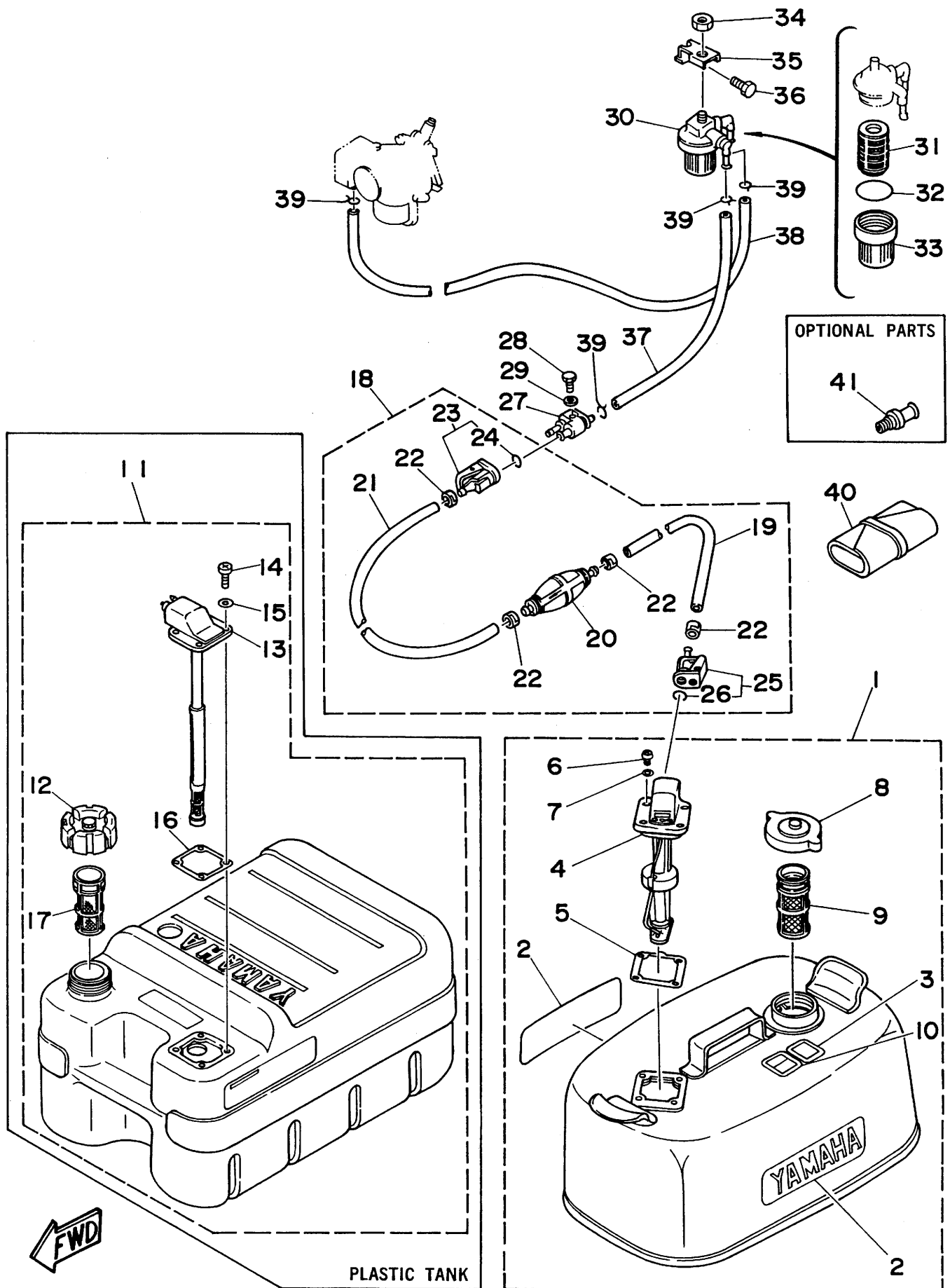


Fig. 4 FUEL

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	6Y1-W2420-62-24	FUEL TANK ASSY	1 UR	22	650-24351-51	.BAND 1	4
2	6Y1-24246-00	.GRAPHIC, side	2	23	6G1-24305-01	.FUEL PIPE JOINT COMP. 2	1
3	6Y1-24257-00	.GRAPHIC	1	24	93210-08287	..O-RING	1
4	6Y1-24260-02	.FUEL METER ASSY	1	25	6Y1-24305-02	.FUEL PIPE JOINT COMP. 2	1
5	6Y1-24268-00	.GASKET, fuel meter	1	26	93210-08287	..O-RING	1
6	98586-05016	.SCREW, pan head	4	27	6G1-24304-02	FUEL PIPE JOINT COMP. 1	1
7	6Y1-24329-00	.SEAL	4	28	97395-06020	BOLT	1
8	6Y1-24610-00	.CAP ASSY	1	29	92990-06600	WASHER, plate	1
9	6Y1-24167-00	.STRAINER	1	30	655-24560-01	FILTER ASSY	1
10	6Y1-24254-60	.GRAPHIC	1	31	6F5-24563-00	.ELEMENT, filter	1
11	6YJ-24201-00	FUEL TANK ASSY (Plastic Tank)	1 UR	32	93210-37M25	.O-RING	1
12	6YJ-24610-01	.CAP ASSY	1	33	655-24521-01	.CUP, filter	1
13	6YJ-24260-00	.FUEL METER ASSY	1	34	95380-08600	NUT	1
14	98586-05016	.SCREW, pan head	4	35	682-24566-00	BRACKET, filter	1
15	6Y1-24329-00	.SEAL	4	36	97313-06010	BOLT	1
16	6Y1-24268-00	.GASKET, fuel meter	1	37	90445-09M53	HOSE	1
17	6YJ-24167-00	.STRAINER	1	38	90445-09100	HOSE	1
18	6Y1-24306-51	FUEL PIPE COMP. 1	1	39	90467-08004	CLIP	4
# 19	90445-11M06	.HOSE (L2050)	1	40	656-W2810-02	TOOL KIT	1
20	6Y1-24360-51	.PRIMER PUMP ASSY	1	41	626-28193-01-94	PLUG, water check	1 AP
# 21	90445-11M05	.HOSE (L850)	1				

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

Fig. 5 COWLING

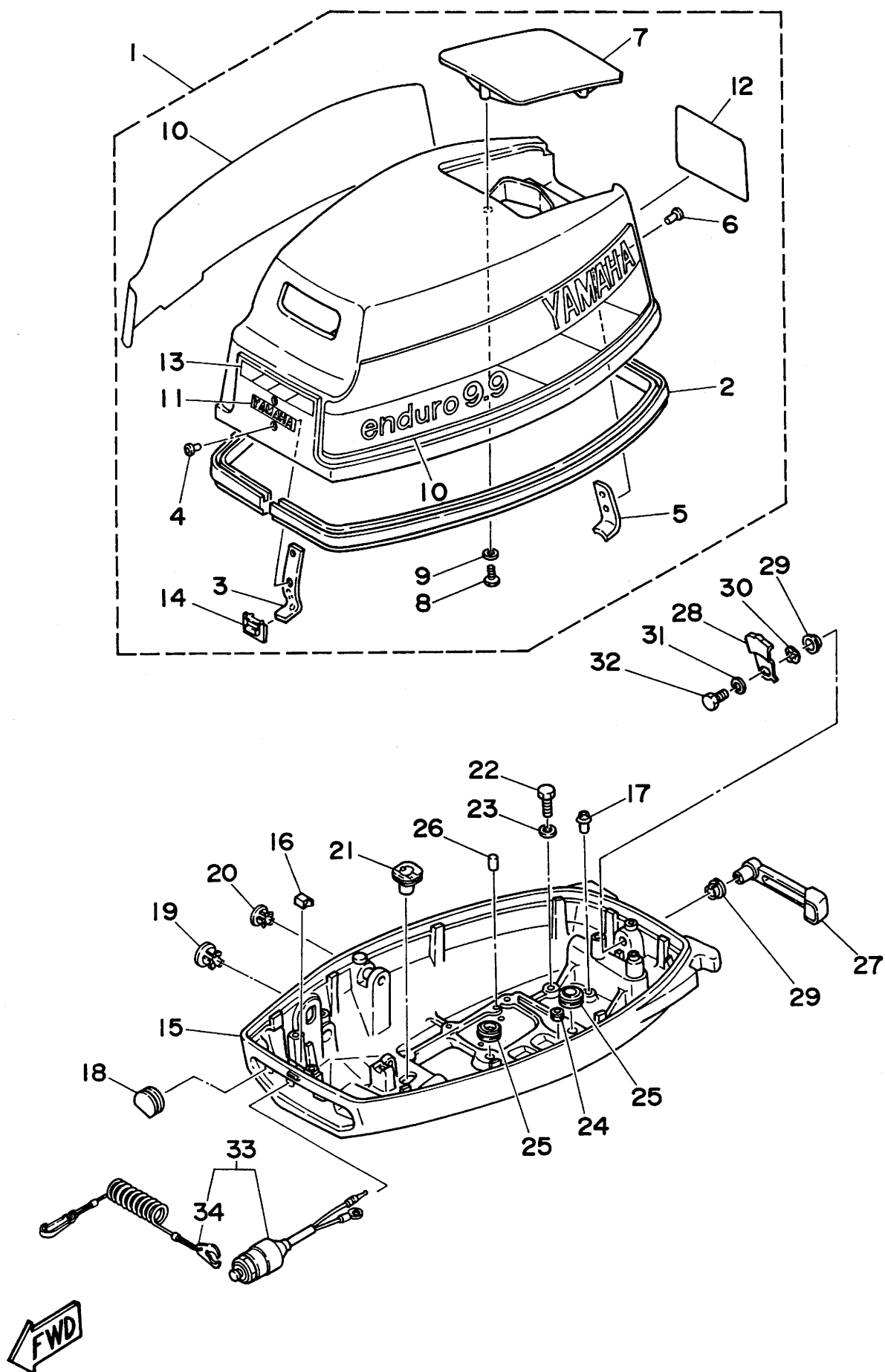


Fig. 5 COWLING

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	682-42610-22-EJ	TOP COWLING ASSY (E-9.9B Model)	1 UR	18	682-42724-00	GROMMET	1
	684-42610-22-EJ	TOP COWLING ASSY (E-15B Model)	1 UR	19	682-42725-02	GROMMET	1
2	682-42615-00	.SEAL	1	20	682-42726-00	GROMMET	1
3	6E7-42651-02	.HOOK	1	21	682-42727-00	GROMMET	1
4	90266-04M00	.RIVET	2	22	97313-06020	BOLT	2
5	6E7-42652-00	.HOOK	1	23	92990-06600	WASHER, plate	2
6	90266-04M04	.RIVET	2	24	682-44366-00	DAMPER, water seal	1
7	6E7-42613-00-EJ	.MOLDING, air duct	1	25	682-44367-00	DAMPER, water seal	2
8	97395-06016	.BOLT	3	26	93606-12019	PIN, dowel	2
9	92990-06600	.WASHER, plate	3	27	682-42815-00-EJ	LEVER, clamp	1
10	682-W0070-21	.GRAPHIC SET (E-9.9B Model)	1 UR	28	6E7-42816-00	LEVER, clamp	1
	684-W0070-20	.GRAPHIC SET (E-15B Model)	1 UR	29	90386-12069	BUSH	2
11	669-42677-00	.GRAPHIC, front	1	30	90206-12052	WASHER, wave	1
12	682-42678-21	.GRAPHIC, rear (E-9.9B Model)	1 UR	31	90201-06M02	WASHER, plate	1
	662-42678-02	.GRAPHIC, rear (E-15B Model)	1 UR	32	97313-06010	BOLT	1
13	6A4-42681-00	.MARK, cowling	1	33	6E9-82575-01	ENGINE STOP SWITCH ASSY (C.D.I. Model)	1 UR
14	6K4-42628-00	.SEAL	1		682-82575-01	ENGINE STOP SWITCH ASSY (POINT Model)	1 UR
15	682-42711-03-EJ	COWLING, bottom	1	34	682-82556-00	.STOPPER	1
16	6K4-42629-00	SEAL	1				
17	650-24378-00	PIPE, joint 4	1				

Fig. 6 BRACKET I

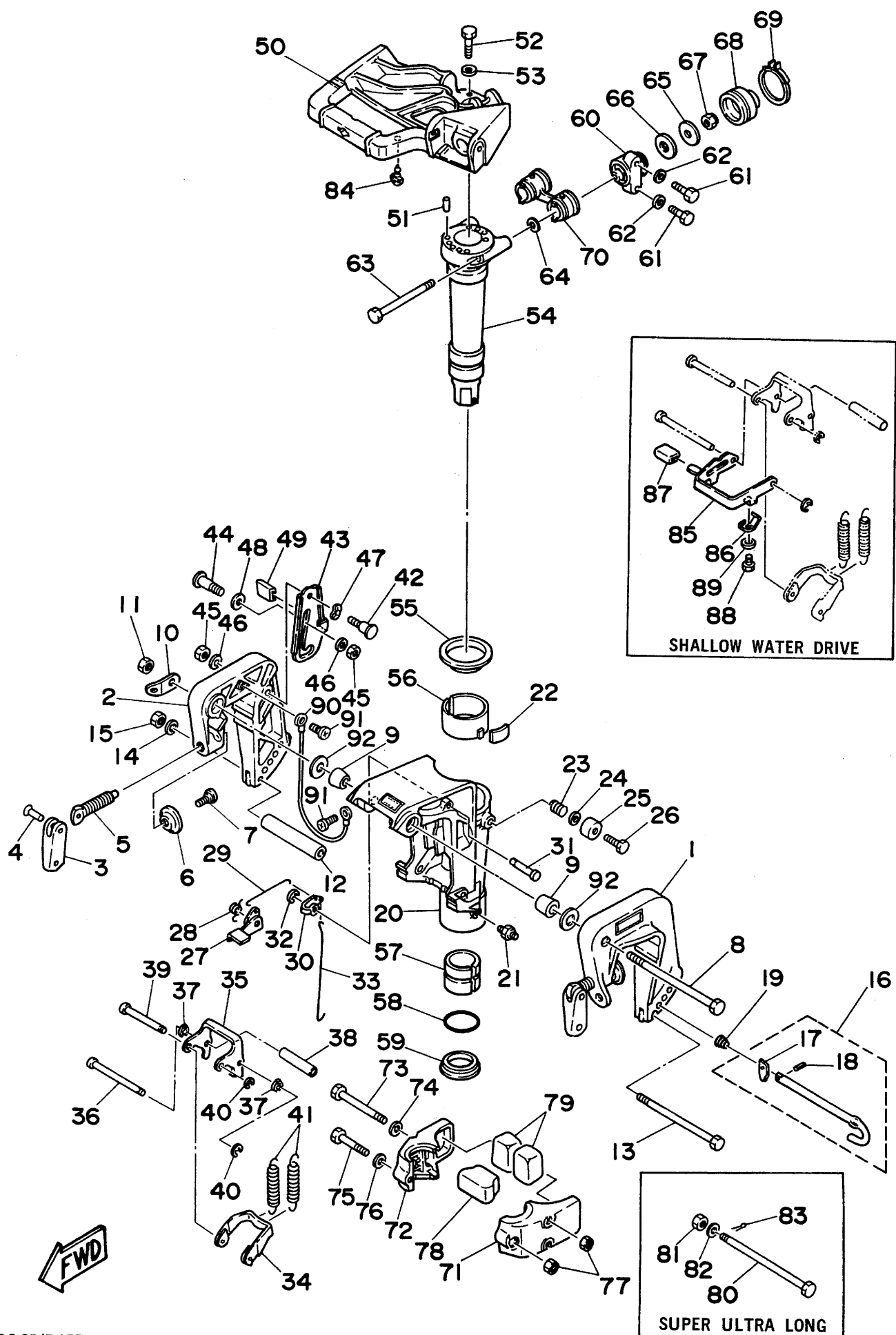


Fig. 6 BRACKET 1

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	682-43111-03-EJ	BRACKET, clamp	1	50	6K4-42511-01-EJ	BRACKET, steering	1
2	682-43112-04-EJ	BRACKET, clamp	1	51	93606-12019	PIN, dowel	2
3	616-43118-00-EK	HANDLE, transom clamp	2	52	97395-06025	BOLT	3
4	90243-04007	PIN	2	53	92990-06600	WASHER, plate	3
5	682-43116-00	SCREW, transom clamp	2	54	682-42521-00-94	SHAFT, steering pivot	1
6	6F5-43114-00	PAD, transom clamp	2	55	90209-52M01	WASHER	1
7	90109-06M12	BOLT	2	56	682-42537-00	BUSHING, pivot shaft	1
8	90101-10M01	BOLT	1	57	90386-40M09	BUSH	1
9	90386-10M91	BUSH	2	58	93210-40M10	O-RING	1
10	6E7-43113-01	PLATE, clamp bracket	1	59	90386-40M08	BUSH	1
11	95780-10300	NUT, self-locking	1	60	682-44514-00-94	MOUNT DAMPER, upper side (Short/Long)	2 UR
12	90387-06M13	COLLAR	1		682-44514-30-94	MOUNT DAMPER, upper side (Super Ultra Long)	2 UR
13	90101-06M29	BOLT	1	61	97395-06025	BOLT	4
14	92990-06600	WASHER, plate	1	62	92990-06600	WASHER, plate	4
15	95380-06700	NUT	1	63	90101-08M30	BOLT	2
16	689-43160-00	TILT ROD ASSY	1	64	90201-08M12	WASHER, plate	2
17	656-43165-01	.PLATE, tilt lock	1	65	90201-08M13	WASHER, plate	2
18	91690-30008	.PIN, spring	1	66	90202-13M02	WASHER, plate	2
19	90502-10M07	SPRING, conical	1	67	95780-08300	NUT, flange	2
20	682-43311-05-EJ	BRACKET, swivel	1	68	682-44522-00	SEAL	2
21	93700-06M03	NIPPLE, grease	1	69	90460-42M01	CLAMP, hose	2
22	648-42528-00	PLATE, friction	1	70	682-44521-01	SEAL	1
23	90501-18M00	SPRING, compression	1	71	682-44551-01-EJ	HOUSING, lower mount rubber	1
24	92990-08600	WASHER, plate	1	72	682-44552-01-EJ	HOUSING, lower mount rubber	1
25	676-43373-00	SEAL, damper	1	73	97395-08085	BOLT	2
26	97395-08025	BOLT	1	74	92990-08600	WASHER, plate	2
27	682-43631-00	LEVER, tilt	1	75	97395-08055	BOLT	1
28	90508-12M03	SPRING, torsion	1	76	92990-08600	WASHER, plate	1
29	682-43616-00	ROD, tilt lock	1	77	95380-08700	NUT	3
30	682-43641-00	LEVER, tilt	1	78	682-44557-00	MOUNT DAMPER, lower front	1
31	90249-06M23	PIN	1	79	682-44555-00	MOUNT DAMPER, lower side (Short/Long)	2 UR
32	99080-05600	CIRCLIP	1		682-44555-30	MOUNT DAMPER, lower side (Super Ultra Long)	2 UR
33	682-43617-00	ROD, tilt lock	1	80	90102-08M01	BOLT, with hole (Super Ultra Long)	1
34	682-43614-00	PLATE, tilt lock	1	81	90171-08M00	NUT, castle (Super Ultra Long)	1
35	682-43615-01	PLATE, tilt lock	1	82	92990-08600	WASHER, plate (Super Ultra Long)	1
36	682-43611-01	SHAFT, tilt lock	1	83	91490-20015	PIN, cotter (Super Ultra Long)	1
37	682-43673-00	WASHER 1 (Without Shallow Water Drive)	2	84	606-42591-00	HOLDER, shear pin	1
38	90387-06M20	COLLAR	1	85	682-43681-01	LEVER, shallow water drive	1
39	682-43659-00	SHAFT, reverse lock	1	86	682-43643-00	SPRING	1
40	99080-05600	CIRCLIP	2	87	682-43318-01	COVER	1
41	90506-26M01	SPRING, tension	2	88	97380-06008	BOLT	1
42	90109-06M05	BOLT	1	89	92990-06600	WASHER, plate	1
43	6E7-43181-01	LEVER, tilt stop	1	90	6E5-82148-00	WIRE, lead 4	1
44	90109-06M03	BOLT	1	91	97895-06008	SCREW, pan head	2
45	95680-06100	NUT, u	2	92	90201-10M03	WASHER, plate	2
46	92990-06600	WASHER, plate	2				
47	90206-10M15	WASHER, wave	1				
48	682-43339-01	WASHER	1				
49	682-43318-01	COVER	1				

Fig. 7 CONTROL

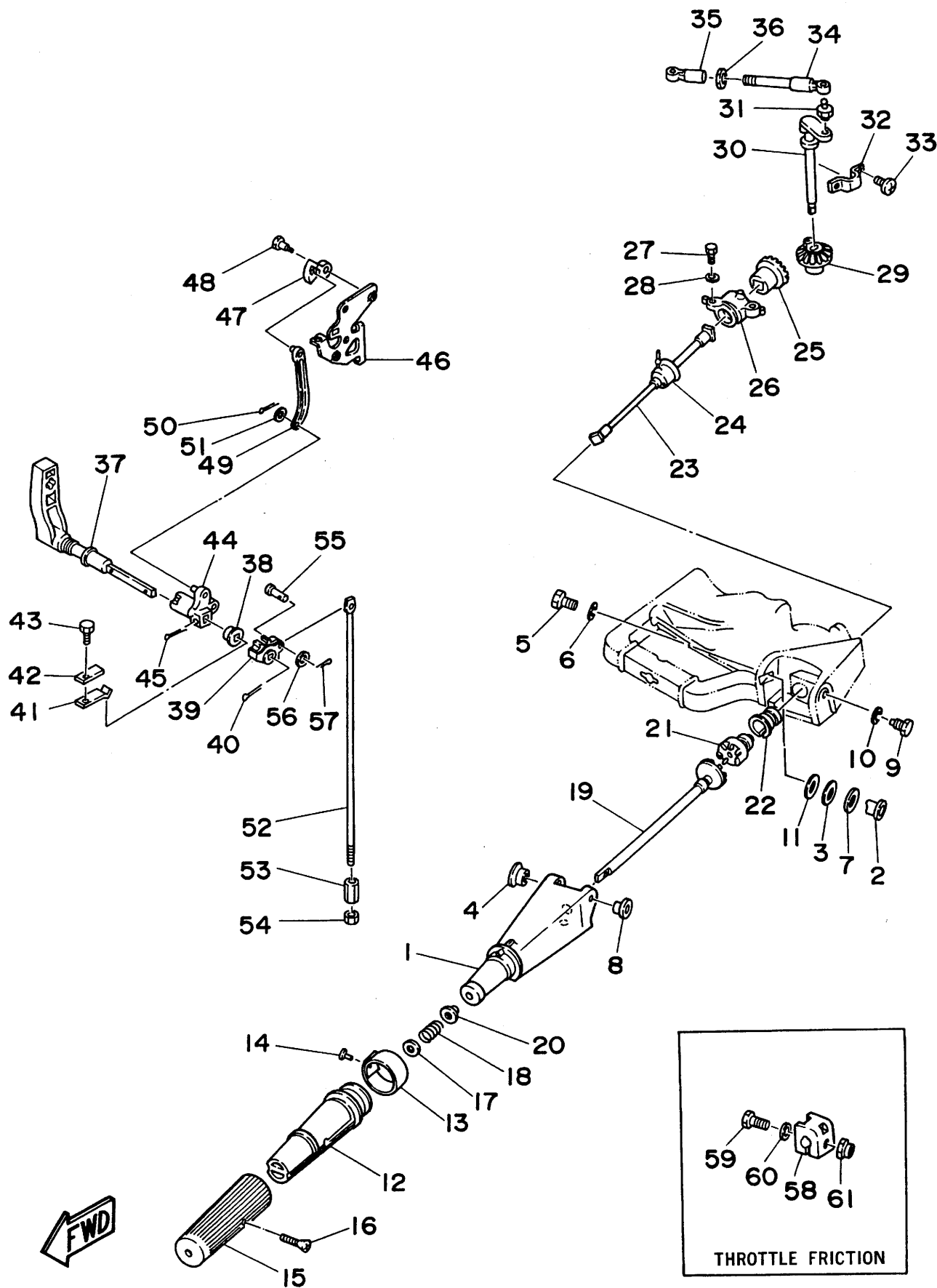


Fig. 7 CONTROL

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	682-42111-00-EJ	HANDLE, steering	1	32	682-41661-00	BRACKET	1
2	682-42123-02	BOLT, handle joint	1	33	97890-06010	SCREW, pan head	2
3	90206-12M06	WASHER, wave	1	34	682-41238-01	JOINT, link	1
4	90386-12M07	BUSH	1	35	682-41237-00	JOINT, link	1
5	97395-06025	BOLT	1	36	95380-05700	NUT	1
6	92990-06600	WASHER, plate	1	37	682-44111-01-94	HANDLE, gear shift	1
7	90201-12181	WASHER, plate	1	38	682-44132-00	BUSHING	1
8	90386-06M06	BUSH	1	39	682-44121-00	LEVER, shift rod	1
9	90109-08M01	BOLT	1	40	91490-25020	PIN, cotter	1
10	92990-08600	WASHER, plate	1	41	682-44116-00	SPRING	1
11	90202-12031	WASHER, plate	1	42	682-44117-00	BRACKET	1
12	664-42119-00	GRIP, steering handle	1	43	97395-06012	BOLT	1
13	682-42137-03	INDICATOR, throttle	1	44	682-44125-01	LEVER, shift rod	1
14	90269-02M09	RIVET	1	45	91490-25020	PIN, cotter	1
15	661-42177-00	RUBBER, handle	1	46	682-44118-01	BRACKET	1
16	90149-05M13	SCREW, oval head	1	47	682-41666-00	STOPPER, magneto control lever	1
17	92990-10600	WASHER, plate	1	48	90109-06M04	BOLT	1
18	90501-23215	SPRING, compression	1	49	682-44124-00	LINK, shift rod	1
19	682-42141-01-94	GEAR, knee 1	1	50	91490-20010	PIN, cotter	1
20	90386-08032	BUSH	1	51	92990-05600	WASHER, plate	1
21	682-42142-01	GEAR, knee 2	1	52	682-44143-00	ROD, shift	1
22	90386-20M71	BUSH	1	53	95380-06700	NUT	1
23	682-42116-00	SHAFT, steering handle 2	1	54	90170-06015	NUT	1
24	682-42716-00	RUBBER, seal 1	1	55	91790-05020	PIN, clevis	1
25	682-42151-01	PINION	1	56	92990-05600	WASHER, plate	1
26	682-42171-02	BUSHING	1	57	91490-16010	PIN, cotter	1
27	97313-06016	BOLT	2	58	656-42126-01	FRICTION, steering handle grip	1
28	92990-06200	WASHER, plain	2	59	97395-06020	BOLT	1
29	682-42152-01	GEAR	1	60	92990-06600	WASHER, plate	1
30	682-41631-00-94	LEVER, magneto control	1	61	90185-06062	NUT, self-locking	1
31	663-85518-00	JOINT, ball	1				

Fig. 8 UPPER CASING

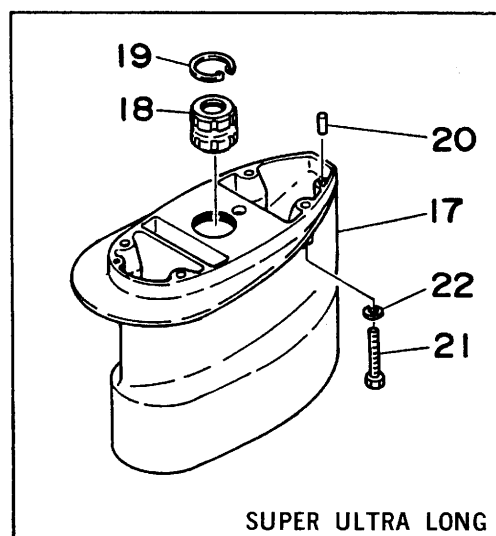
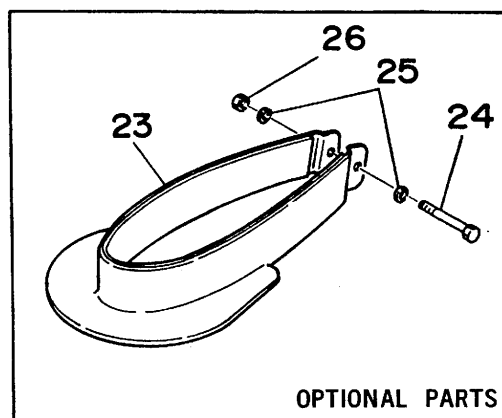
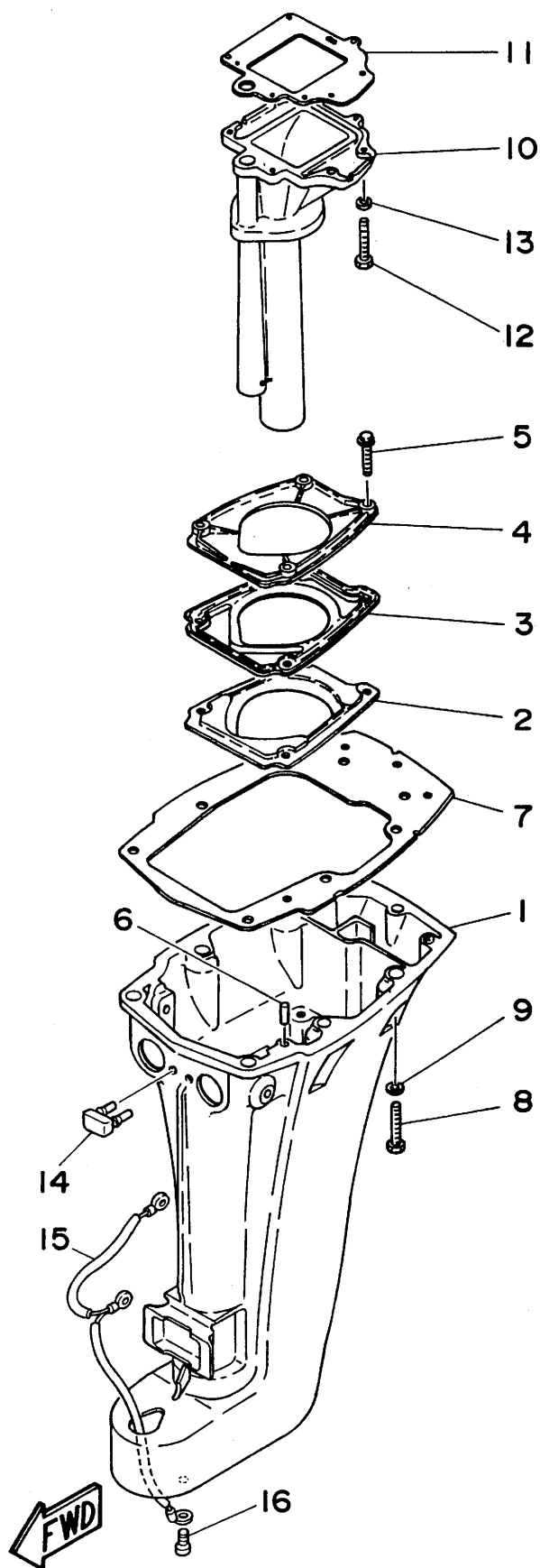


Fig. 8 UPPER CASING

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	682-45111-04-EJ	CASING, upper (Short)	1 UR	14	682-44532-00	STOPPER, upper mount	1
	682-45111-14-EJ	CASING, upper (Long)	1 UR	15	6E7-82127-00	WIRE, lead 2	1
2	682-45126-00-5B	PLATE, seal damper	1	16	90157-06M06	SCREW, pan head	1
3	682-45127-00	SEAL	1	17	682-45211-30-EJ	EXTENSION (Super Ultra Long)	1
4	682-41116-00-5B	PROTECTOR	1	18	682-45318-00	BUSHING, drive shaft (Super Ultra Long)	1
5	90105-06M01	BOLT, washer based	4	19	93420-30042	CIRCLIP (Super Ultra Long)	1
6	93606-12019	PIN, dowel	2	20	93606-12019	PIN, dowel (Super Ultra Long)	2
7	682-45113-A1	GASKET, upper casing	1	21	97090-08035	BOLT (Super Ultra Long)	4
8	97395-08040	BOLT	6	22	92990-08600	WASHER, plate (Super Ultra Long)	4
9	92990-08600	WASHER, plate	6	23	682-45158-00-EJ	PLATE, splash	1 AP
10	682-41131-01-5B	MANIFOLD, ext. 1	1	24	97395-06040	BOLT	1 AP
11	682-41133-A0	GASKET,exhaust manifold 1	1	25	92990-06600	WASHER, plate	2 AP
12	97395-06020	BOLT	6	26	95380-06700	NUT	1 AP
13	92990-06600	WASHER, plate	6				

Fig. 9 LOWER CASING. DRIVE I

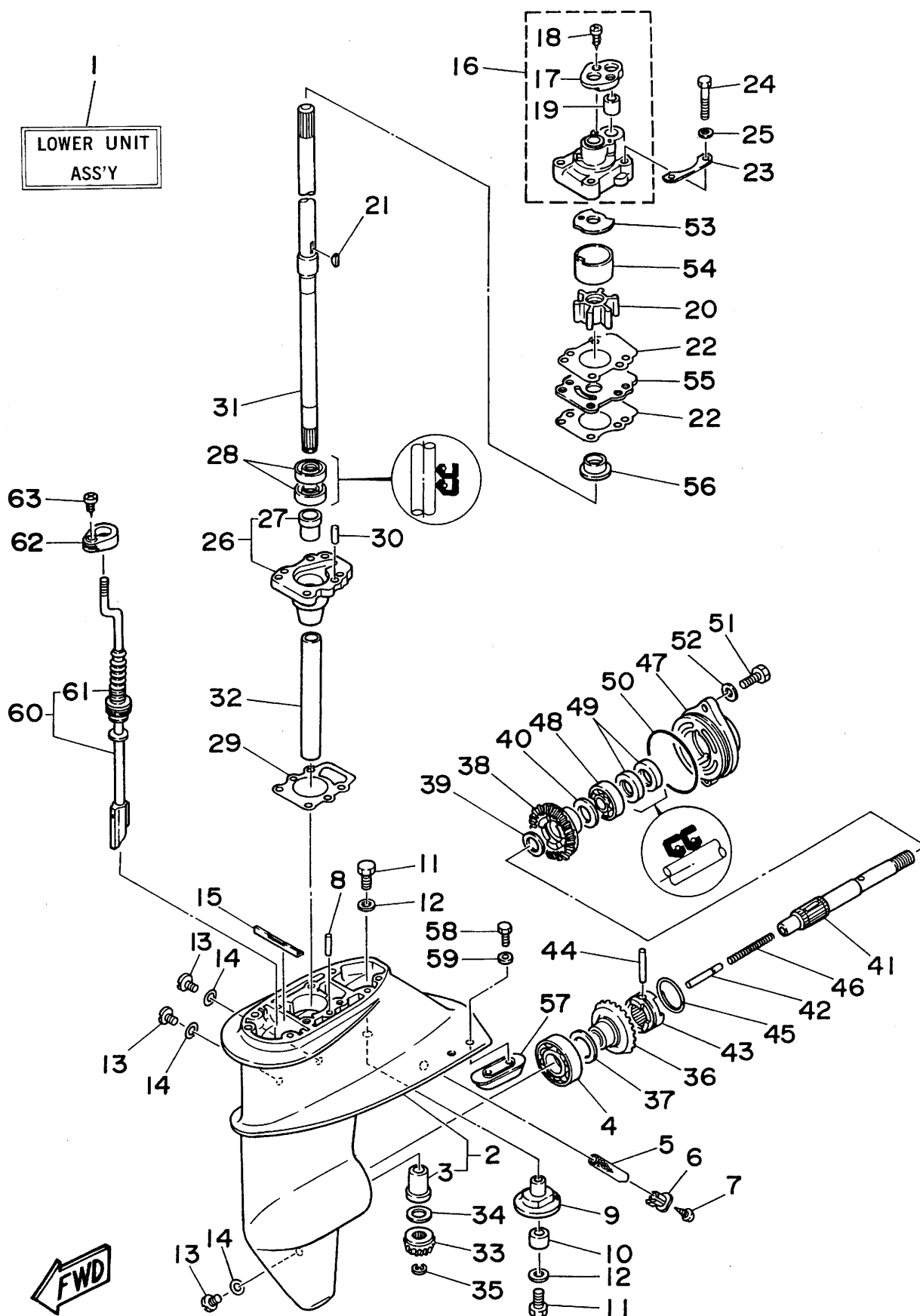


Fig. 9 LOWER CASING. DRIVE 1

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	682-45300-02-EJ	LOWER UNIT ASSY (Short)		34	626-45533-01-11	SHIM	1 UR
		(Ref. No. 2 to 63)	1 UR	34	626-45533-01-12	SHIM	1 UR
	682-45300-12-EJ	LOWER UNIT ASSY (Long)			626-45533-01-13	SHIM	1 UR
		(Ref. No. 2 to 63)	1 UR		626-45533-01-14	SHIM	1 UR
2	682-45311-02-EJ	CASING, lower	1	35	99080-07600	CIRCLIP	1
3	626-45317-09	.BUSHING, drive shaft	1	36	626-45560-01	GEAR	1
4	93306-20541	BEARING (B6205)	1	37	626-45577-00-01	SHIM (0.1T)	1 UR
5	660-45215-00	COVER, water inlet	1		626-45577-00-03	SHIM (0.3T)	1 UR
6	660-45279-00	CAP	1		626-45577-00-05	SHIM (0.5T)	1 UR
7	97780-50725	SCREW, tapping	1	38	650-45570-00	GEAR	1
8	93604-08062	PIN, dowel	1	39	90201-17682	WASHER, plate	1
9	676-45214-00-5B	COVER, water inlet	1	40	650-45567-00-10	SHIM	1 UR
10	676-45251-00	ANODE	1		650-45567-00-12	SHIM	1 UR
11	97395-06016	BOLT	2		650-45567-00-14	SHIM	1 UR
12	92990-06600	WASHER, plate	2	41	682-45611-00	SHAFT, propeller	1
13	90340-08M04	PLUG, straight screw	3	42	650-45635-00	PLUNGER, shift	1
14	90430-08020	GASKET	3	43	682-45631-00	CLUTCH, dog	1
15	682-45376-01	GUIDE, seal damper	1	44	90250-05010	PIN, straight	1
16	682-44300-01	HOUSING WATER PUMP ASSY	1	45	648-45633-00	RING, cross pin	1
17	682-44312-00	.COVER, water pump housing	1	46	90501-14M06	SPRING, compression	1
18	97780-40112	.SCREW, tapping	2	47	682-45361-01-EJ	CAP, lower casing	1
19	682-44365-00	.DAMPER, water seal	1	48	93306-20301	BEARING	1
20	682-44352-01	IMPELLER	1	49	93101-17054	OIL SEAL	2
21	90280-03024	KEY, woodruff	1	50	93210-58677	O-RING	1
22	682-44315-A0	GASKET, water pump	2	51	97395-06020	BOLT	2
23	682-44328-00	PLATE	2	52	92990-06600	WASHER, plate	2
24	97395-06040	BOLT	4	53	682-44321-40	INNER PLATE, cartridge	1
25	92990-06600	WASHER, plate	4	54	682-44322-40	INSERT, cartridge	1
26	682-45331-00-5B	HOUSING, bearing	1	55	682-44323-40	OUTER PLATE, cartridge	1
27	626-45316-09	.BUSHING, drive shaft	1	56	682-45344-00	COVER, oil seal	1
28	93101-20048	OIL SEAL	2	57	6E0-45251-11	ANODE	1
29	682-45315-00	PACKING, lower casing	1	58	97395-06016	BOLT	2
30	93606-12019	PIN, dowel	2	59	92990-06600	WASHER, plate	2
31	682-45501-00	DRIVE SHAFT COMP. (Short)	1 UR	60	682-44150-00	SHIFT CAM ASSY (Short)	1 UR
	682-45501-10	DRIVE SHAFT COMP. (Long)	1 UR		682-44150-10	SHIFT CAM ASSY (Long)	1 UR
	682-45501-30	DRIVE SHAFT COMP. (Super Ultra Long)	1 UR		682-44150-30	SHIFT CAM ASSY (Super Ultra Long)	1 UR
32	90387-16M08	COLLAR	1	61	682-44147-00	.BOOT, shift rod	1
33	626-45551-00	PINION	1	62	682-44176-00	BRACKET	1
				63	97780-50110	SCREW, tapping	1

Fig. 10 LOWER CASING. DRIVE 2

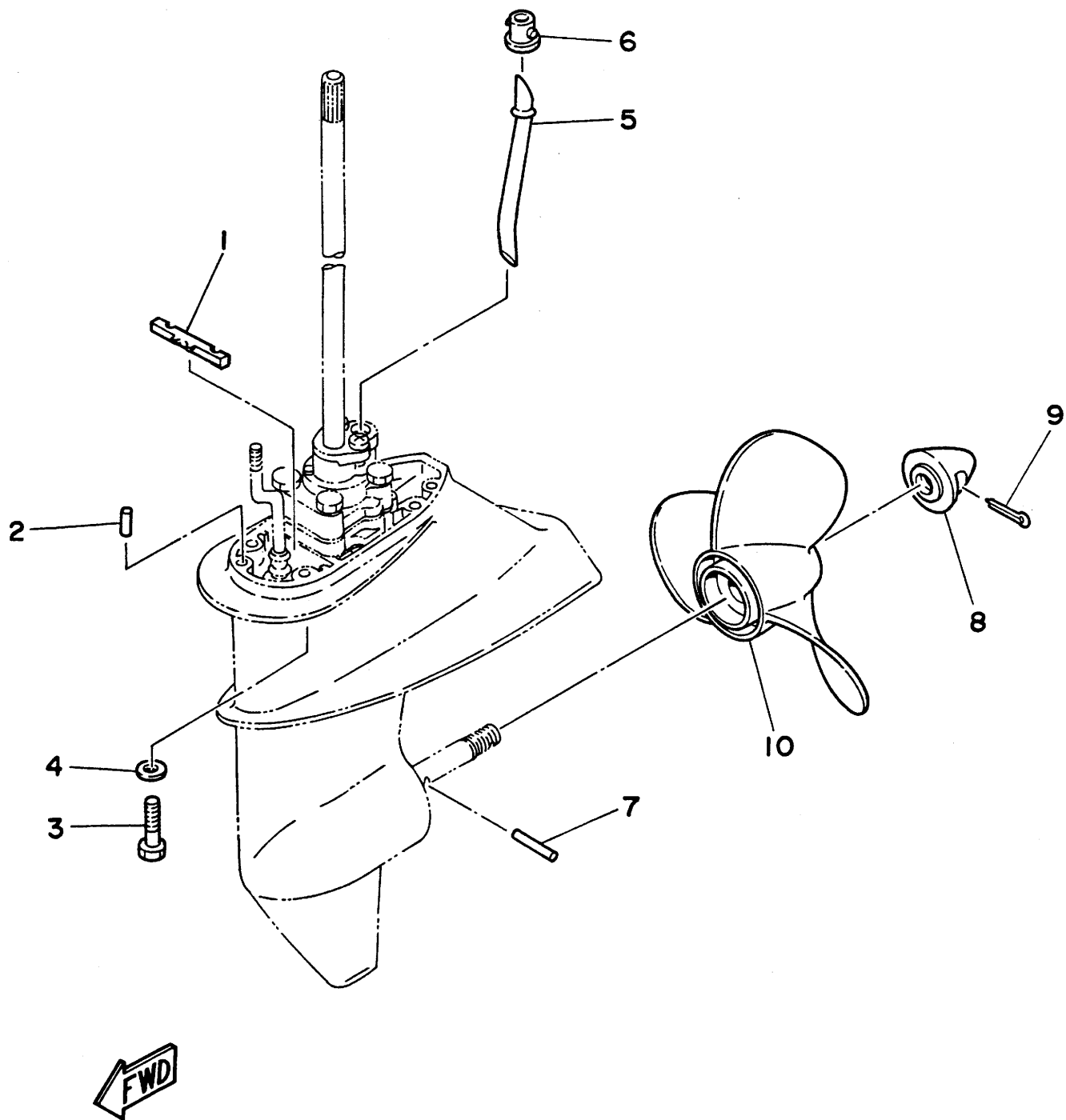


Fig. 10 LOWER CASING. DRIVE 2

Ref.No.	Parts No.	Description	Q'ty	Ref.No.	Parts No.	Description	Q'ty
1	682-45375-01	DAMPER, seal	1	10	651-45947-00-EL	PROPELLER (3X9-1/4"X10"-D)	1 UR
2	93606-12019	PIN, dowel	2		626-45949-01-EL	PROPELLER (3X9-1/4"X9"-D)	1 UR
3	97090-08035	BOLT	4		650-45943-01-EL	PROPELLER (3X9-1/4"X7"-D)	1 UR
4	92990-08600	WASHER, plate	4		626-45945-01-EL	PROPELLER (3X9-1/4"X6-1/2"-D)	1 UR
5	682-44361-00	TUBE, water (Short)	1 UR		650-45945-00-EL	PROPELLER (3X9-1/4"X5"-D)	1 UR
	682-44361-10	TUBE, water (Long)	1 UR		656-45943-61-EL	PROPELLER (3X9-1/4"X11-1/4"-D)	1 UR
	682-44361-30	TUBE, water (Super Ultra Long)	1 UR		648-45941-61-EL	PROPELLER (3X9-1/4"X10-3/4"-D)	1 UR
6	626-44365-01	DAMPER, water seal	1		651-45947-60-EL	PROPELLER (3X9-1/4"X10"-D)	1 UR
7	90250-05011	PIN, straight	1		626-45949-60-EL	PROPELLER (3X9-1/4"X9"-D)	1 UR
8	650-45616-01	NUT, propeller	1		650-45941-60-EL	PROPELLER (3X9-1/4"X8"-D)	1 UR
9	91490-30030	PIN, cotter	1		650-45943-60-EL	PROPELLER (3X9-1/4"X7"-D)	1 UR
10	650-45941-01-EL	PROPELLER (3X9-1/4"X8"-D)	1 UR		626-45945-60-EL	PROPELLER (3X9-1/4"X6-1/2"-D)	1 UR
	653-45941-01-EL	PROPELLER (3X9-1/4"X11-1/4"-D)	1 UR		650-45945-60-EL	PROPELLER (3X9-1/4"X5"-D)	1 UR
	626-45943-02-EL	PROPELLER (3X9-1/4"X10-3/4"-D)	1 UR				

Fig. 11 MAGNETO (C.D.I. MODEL)

