

F8B(6J7) F9.9B(6G9)

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FOREWORD

This Parts Catalogue is related to the parts in use for the Yamaha outboard motor F8B '87 (6J7), F9.9B '87 (6G9). When you are ordering replacement parts for the F8B '87 (6J7), F9.9B '87 (6G9), refer to this Parts Catalogue and quote both part numbers and part names correctly.

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

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

2. Abbreviations

The following abbreviations are used in this Parts Catalogue.

- U.R. Use size (thickness) and/or number as required.
- U.N. Use as many as you need.
- A.P. Alternate Parts
- S.T.D. 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.

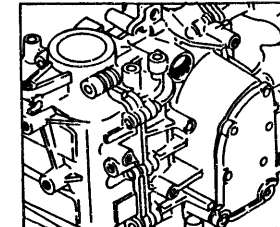
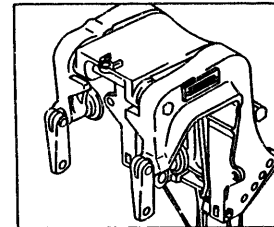
The numeral appearing to the right of each constituent part under the description indicates the quantity of such parts for each individual assembly unit.

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 | . . PULLEY, starter | 1 | |

5. Initial Serial No. and Color Code

| Engine Serial No. | |
|-------------------|--|
| F8BM | S:000156 and following L:300321 and following |
| F8BE | S:100131 and following L:400236 and following |
| F8BEM | S:200106 and following L:500151 and following |
| F9.9BM | S:003506 and following L:300998 and following |
| F9.9BE | S:100357 and following L:400573 and following |
| F9.9BEM | S:200126 and following L:500142 and following |



| Color Code | Color Name | Abbreviate |
|------------|----------------------|------------|
| EJ | METALLIC MARINE BLUE | MMB |

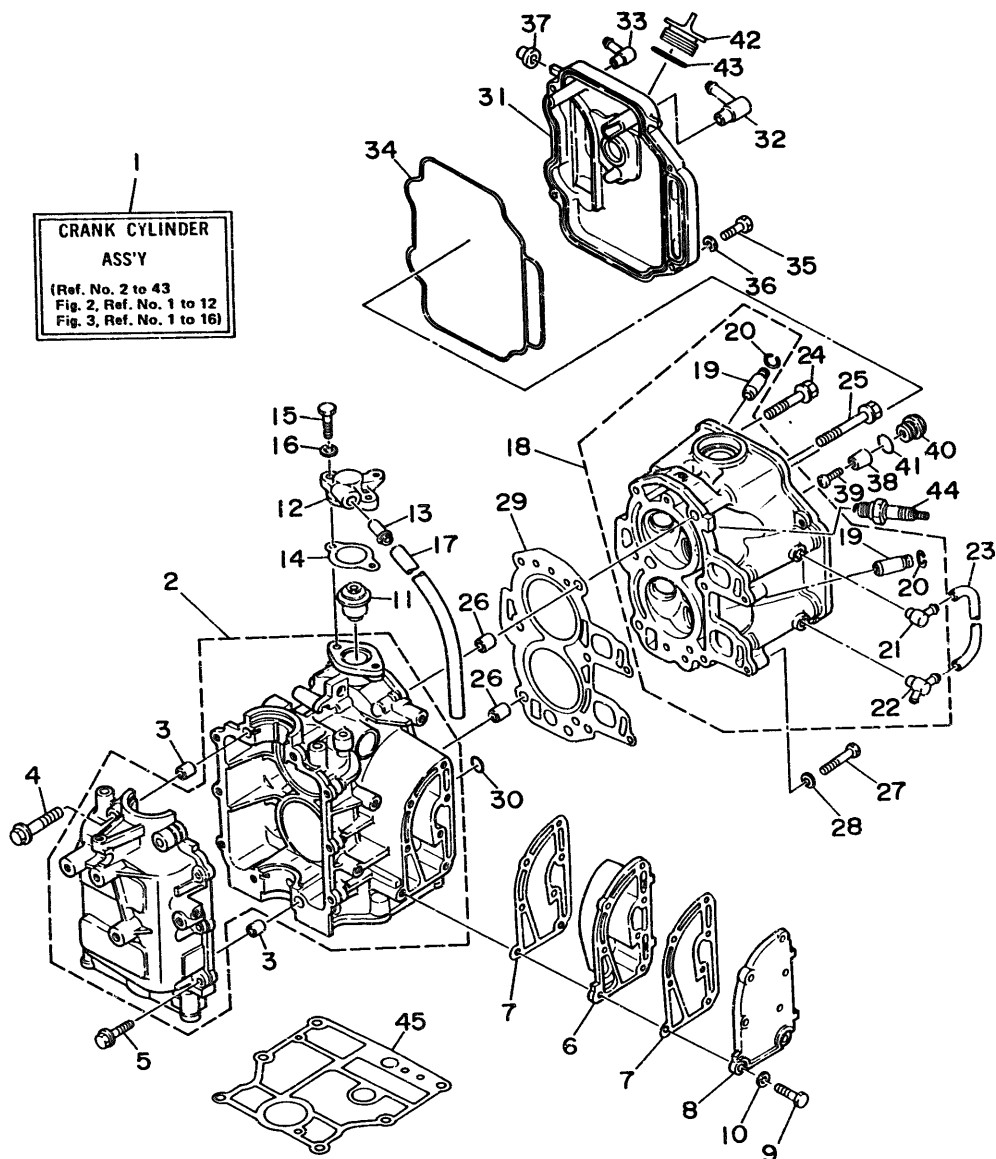
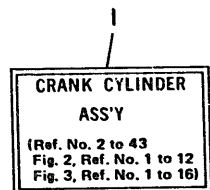


Fig. 1 CRANKCASE & CYLINDER

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|-----------------|-----------------------------|------|-------------|--------------------------------------|---------------------------------------|--------|
| 1 | 668-W0090-03-EJ | CRANK CYLINDER ASS'Y | 1 | 25 | 90105-08M36 | BOLT | 3 |
| 2 | 668-15100-02-94 | CRANKCASE ASS'Y | 1 | 26 | 99510-10114 | PIN, dowel A | 2 |
| 3 | 99510-10114 | PIN, dowel A | 2 | 27 | 97313-06035 | BOLT | 2 |
| 4 | 90119-08M18 | BOLT | 4 | 28 | 92903-06600 | WASHER | 2 |
| 5 | 90119-06M12 | BOLT | 6 | | | | |
| 6 | 668-41111-00-9M | INNER COVER, exhaust | 1 | 29 | 668-11181-00 | GASKET, cylinder head | 1 |
| 7 | 668-41112-00 | GASKET, exhaust inner cover | 2 | 30 | 93210-11M59 | O-RING | 1 |
| 8 | 668-41113-00-9M | OUTER COVER, exhaust | 1 | 31 | 668-11191-01-94 | COVER, cylinder head | 1 |
| 9 | 97313-06025 | BOLT | 7 | 32 | 668-15373-00 | PIPE, breather | 1 |
| 10 | 92990-06600 | WASHER | 7 | 33 | 676-11372-00 | NIPPLE, hose 2 | 1 |
| | | | | 34 | 668-11356-00 | SEAL | 1 |
| 11 | 668-12411-00 | THERMOSTAT | 1 | | | | |
| 12 | 668-12413-00-94 | COVER, thermostat | 1 | 35 | 97313-06020 | BOLT | 4 |
| 13 | 6E5-24377-00 | PIPE, joint | 1 | 36 | 92903-06600 | WASHER | 4 |
| 14 | 668-12414-00 | GASKET, cover | 1 | 37 | 668-81336-00 | GROMMET | 2 |
| 15 | 97313-06020 | BOLT | 2 | 38 | 668-11325-00 | ANODE | 1 |
| | | | | 39 | 98580-05025 | SCREW | 1 |
| 16 | 92903-06600 | WASHER | 2 | | | | |
| 17 | 90445-11M66 | HOSE | 1 | 40 | 668-11197-00 | PLUG, blind | 1 |
| 18 | 668-11111-01-94 | HEAD, cylinder | 1 | 41 | 93210-13M63 | O-RING | 1 |
| 19 | 668-11133-10 | . GUIDE, valve intake | 4 | 42 | 668-15363-00 | PLUG, oil | 1 |
| 20 | 93450-09M01 | . CIRCLIP | 4 | 43 | 93210-24M79 | O-RING | 1 |
| | | | | 44 | 94701-00282 | PLUG, spark (CR6HS) NGK (F9.9B Model) | 2 U.R. |
| 21 | 676-11372-00 | . NIPPLE, hose | 1 | | | | |
| 22 | 668-11372-01 | . NIPPLE, hose | 1 | 94701-00300 | PLUG, spark (CR 5HS) NGK (F8B Model) | 2 U.R. | |
| 23 | 668-12481-00 | PIPE | 1 | | | | |
| 24 | 90105-08M37 | BOLT | 3 | 45 | 668-11351-00 | GASKET, cylinder | 1 |



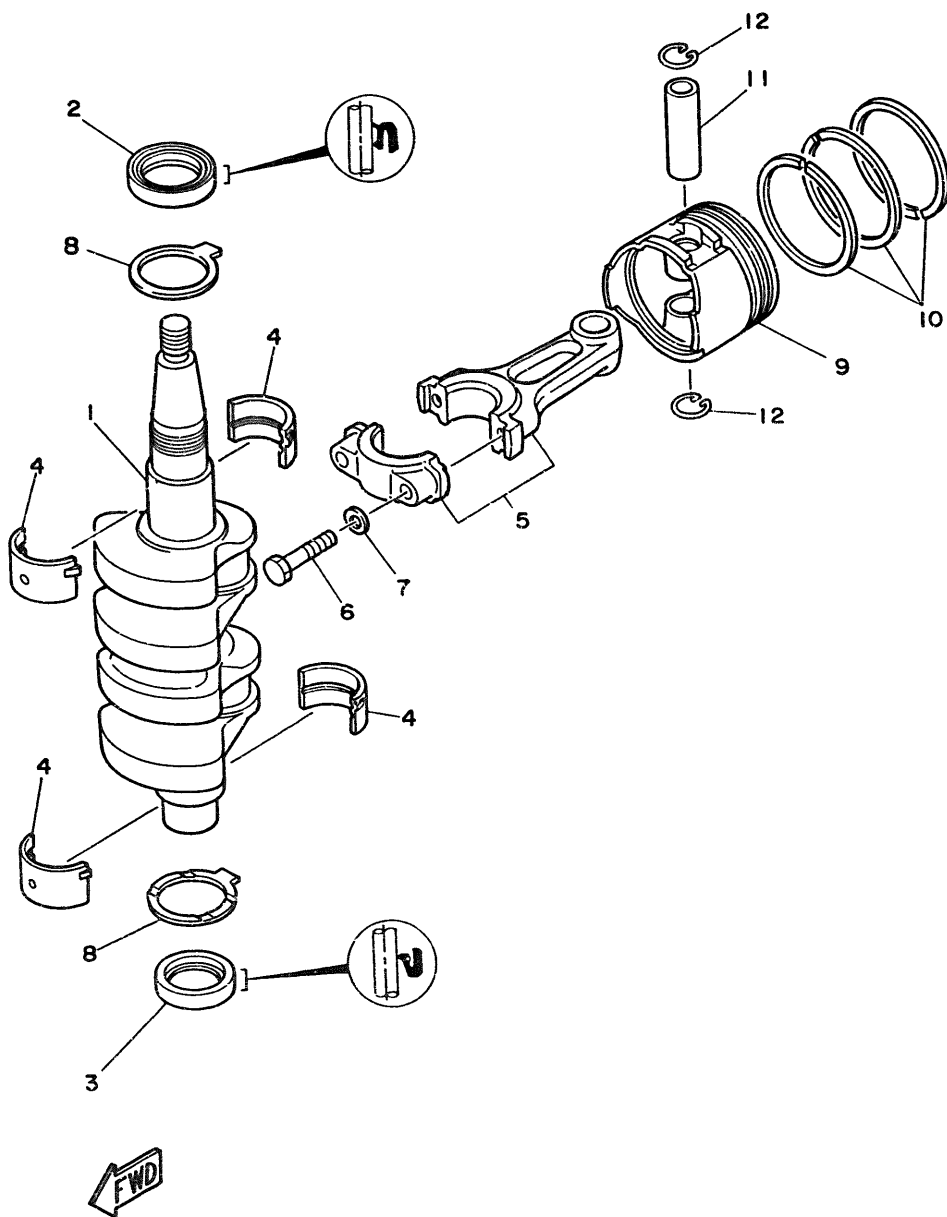


Fig. 2 CRANK & PISTON

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|--------------|------------------------|--------|---------|-----------------|----------------------------|--------|
| 1 | 6G8-11411-02 | CRANK SHAFT | 1 | 8 | 6G8-11426-00 | BEARING, thrust | 2 |
| 2 | 93102-30M22 | OIL SEAL | 1 | 9 | 6G8-11631-00-97 | PISTON (S.T.D.) | 2 |
| 3 | 93101-25M24 | OIL SEAL | 1 | | 6G8-11635-00 | PISTON (1st O.S.) | 2 A.P. |
| 4 | 6G8-11416-00 | BEARING, plain (Brown) | 4 U.R. | | 6G8-11636-00 | PISTON (2nd O.S.) | 2 A.P. |
| | 6G8-11416-10 | BEARING, plain (Black) | 4 U.R. | 10 | 6G8-11610-00 | PISTON RING SET (S.T.D.) | 2 |
| | 6G8-11416-20 | BEARING, plain (Blue) | 4 U.R. | | 6G8-11610-10 | PISTON RING SET (1st O.S.) | 2 A.P. |
| 5 | 6G8-11650-01 | ROD, connecting | 2 | | 6G8-11610-20 | PISTON RING SET (2nd O.S.) | 2 A.P. |
| 6 | 6G8-11654-00 | BOLT, connecting rod | 4 | 11 | 6G8-11633-00 | PIN, piston | 2 |
| 7 | 90201-06M00 | WASHER, plate | 4 | 12 | 93450-15023 | CIRCLIP | 4 |

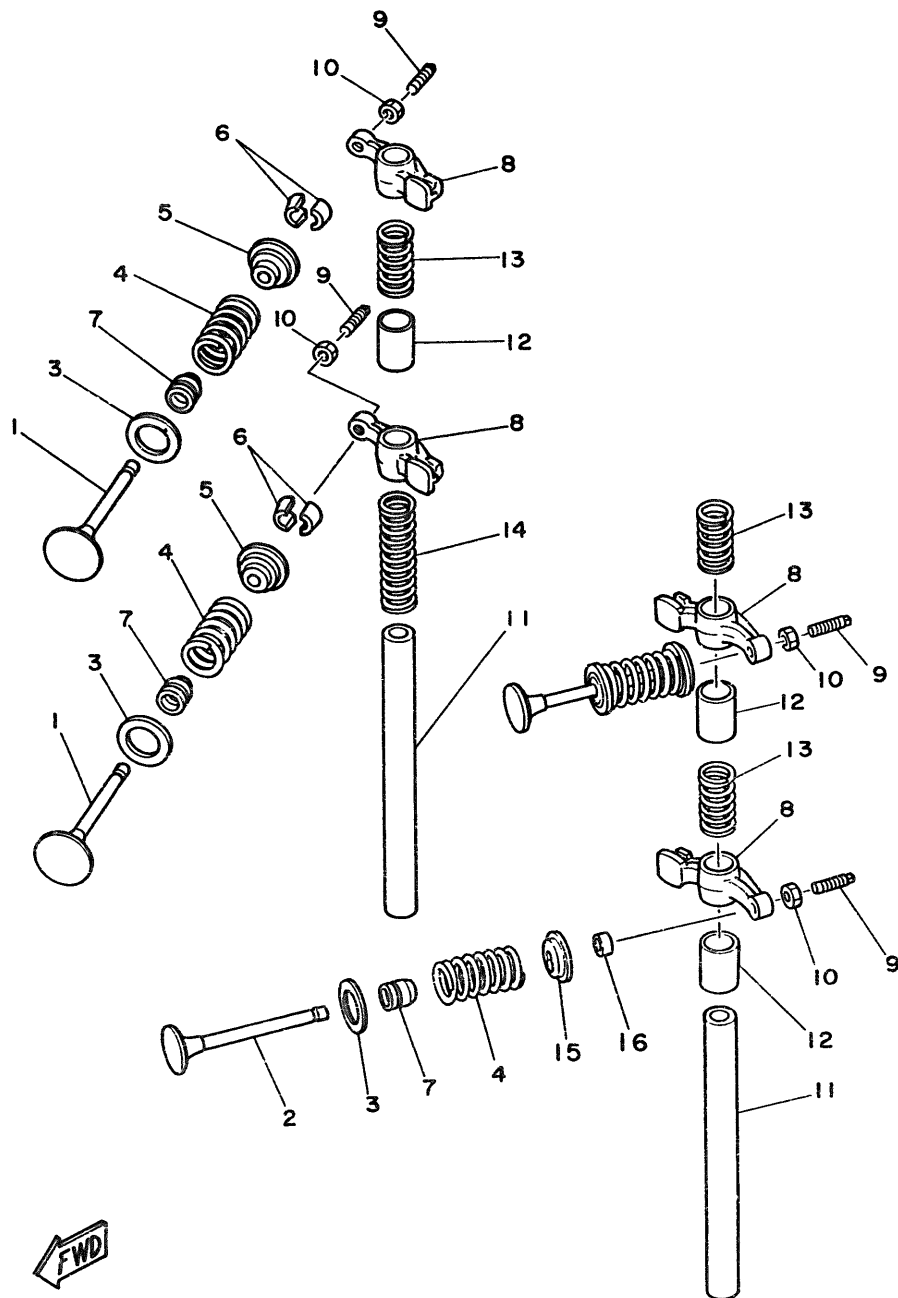
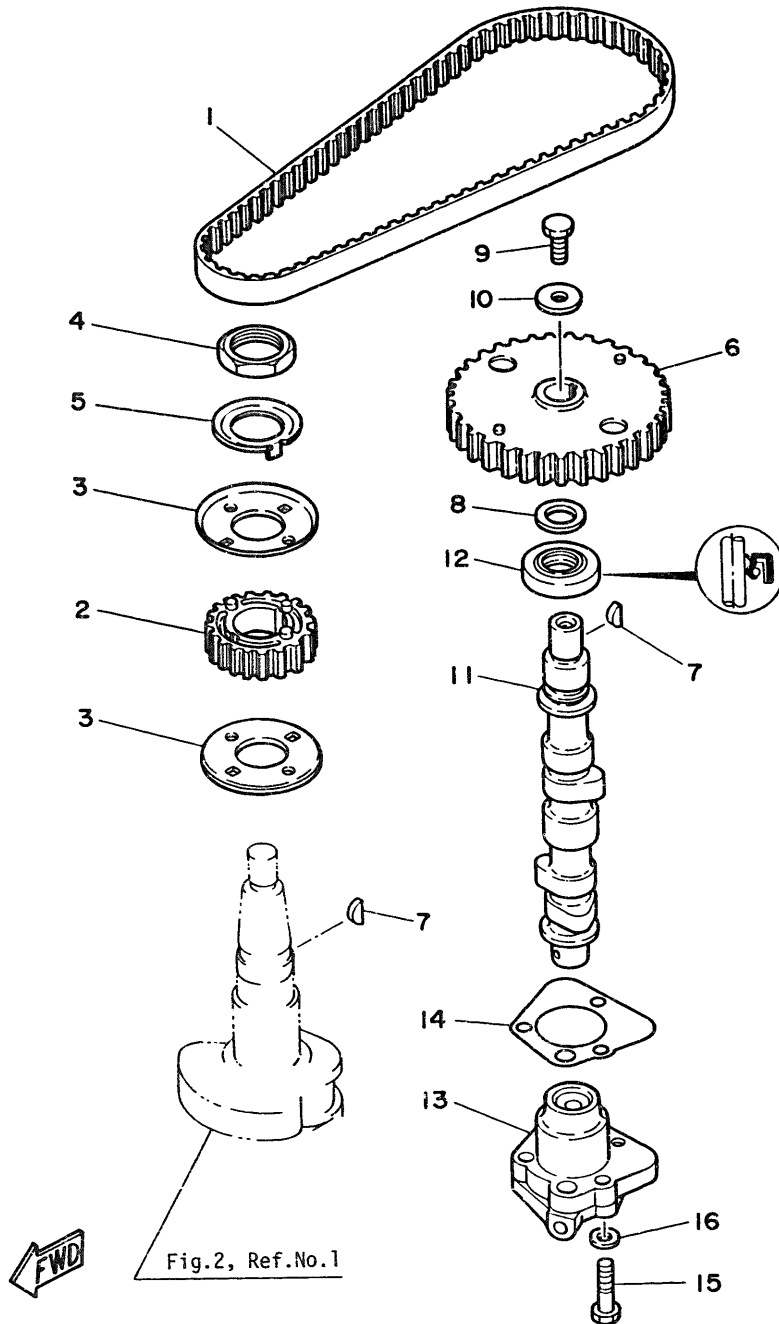


Fig. 3 VALVE

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|--------------|-----------------------------|------|---------|--------------|------------------------|------|
| 1 | 6G8-12111-00 | VALVE, intake | 2 | 9 | 6G8-12159-00 | SCREW, valve adjusting | 4 |
| 2 | 6G8-12121-01 | VALVE, exhaust | 2 | 10 | 6G8-12158-00 | NUT, lock | 4 |
| 3 | 6G8-12116-00 | SEAT, valve spring | 4 | 11 | 6G8-12146-00 | SHAFT, rocker | 2 |
| 4 | 6G8-12113-00 | SPRING, compression | 4 | 12 | 90387-13M56 | COLLAR | 3 |
| 5 | 6G8-12117-00 | RETAINER, valve spring | 2 | 13 | 90501-12M40 | SPRING, compression | 3 |
| 6 | 30X-12118-00 | LOCK VALVE, spring retainer | 4 | 14 | 90501-12M41 | SPRING, compression | 1 |
| 7 | 30X-12119-00 | SEAL, valve stem oil | 4 | 15 | 6G8-12117-10 | RETAINER, valve spring | 2 |
| 8 | 6G8-12151-00 | ARM, valve rocker | 4 | 16 | 6G8-12153-00 | LIFTER, valve | 2 |

Fig. 4 OIL PUMP & BELT

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|-----------------|---------------|------|---------|--------------|----------------|------|
| 1 | 6G8-46241-00 | BELT | 1 | 9 | 97313-06016 | BOLT | 1 |
| 2 | 6G8-11536-00-94 | GEAR, drive | 1 | 10 | 90201-06M94 | WASHER | 1 |
| 3 | 6G8-11557-00 | WASHER 1 | 2 | 11 | 6G8-12171-00 | SHAFT, cam | 1 |
| 4 | 90170-24M09 | NUT | 1 | 12 | 93102-18M21 | OIL SEAL | 1 |
| 5 | 6G8-11587-00 | WASHER, lock | 1 | 13 | 6G8-13300-01 | OIL PUMP ASS'Y | 1 |
| 6 | 6G8-11537-00-94 | GEAR, driven | 1 | 14 | 6G8-13329-00 | GASKET, pump | 1 |
| 7 | 90280-03M01 | KEY, woodruff | 2 | 15 | 97313-06025 | BOLT | 3 |
| 8 | 90201-13201 | WASHER | 1 | 16 | 92903-06600 | WASHER | 3 |



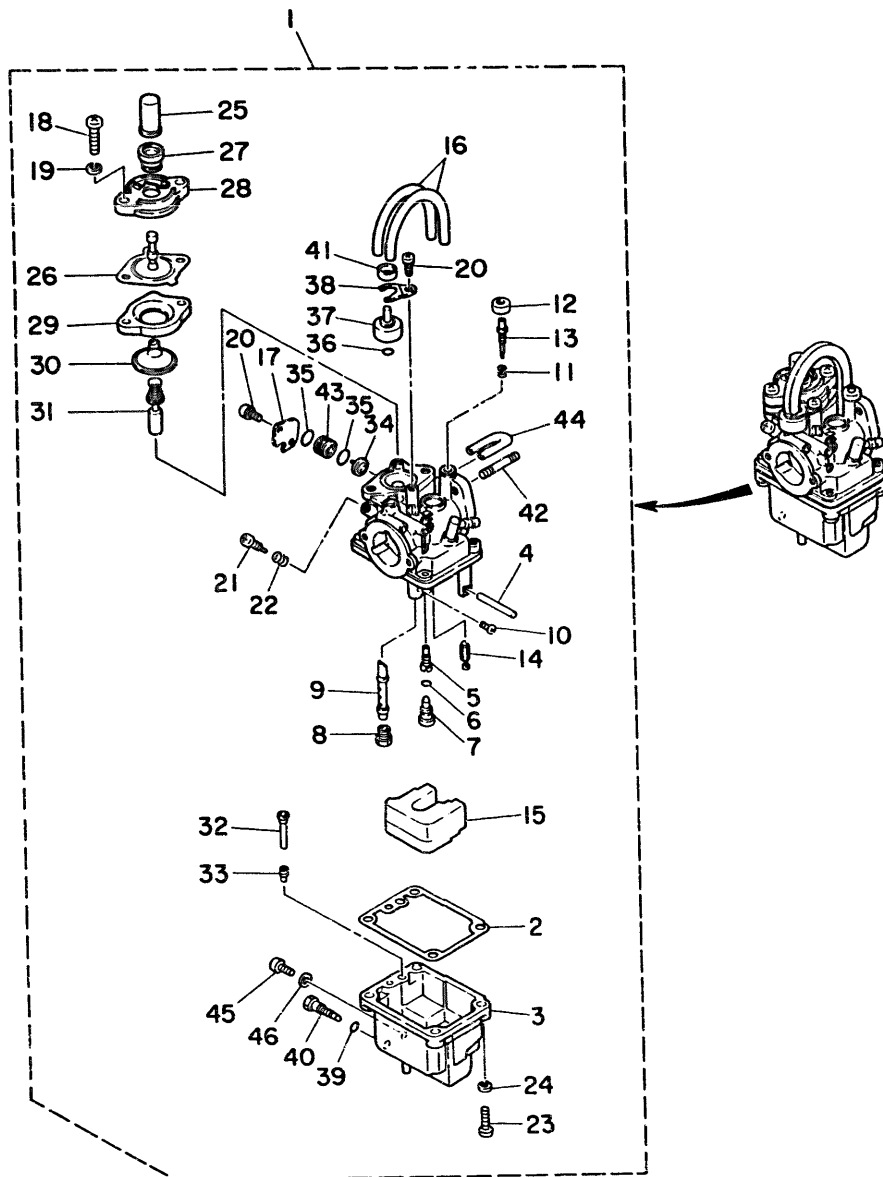


Fig. 5 CARBURETOR

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|--------------|----------------------------------|--------|---------|--------------|-------------------------|------|
| 1 | 6G9-14301-00 | CARBURETOR ASS'Y (F9.9B Model) | 1 U.R. | 22 | 646-14212-01 | . SPRING, air adjusting | 1 |
| | 6J7-14301-00 | CARBURETOR ASS'Y (F8B Model) | 1 U.R. | 23 | 97803-04016 | . SCREW | 4 |
| 2 | 6G8-14384-00 | . GASKET, float chamber | 1 | 24 | 92903-04100 | . WASHER | 4 |
| 3 | 6G8-14381-00 | . BODY, float chamber | 1 | 25 | 6G8-14355-00 | . CAP | 1 |
| 4 | 647-14386-00 | . PIN, float | 1 | 26 | 6G8-14368-00 | . DIAPHRAGM | 1 |
| 5 | 6G8-14342-21 | . JET, pilot (#42) (F9.9B Model) | 1 U.R. | 27 | 6G8-14373-00 | . COVER, plunger cap | 1 |
| | 6G8-14342-20 | . JET, pilot (#40) (F8B Model) | 1 U.R. | 28 | 6G8-14374-00 | . CAP, plunger | 1 |
| 6 | 654-14198-00 | . GASKET | 1 | 29 | 14T-14367-00 | . STOPPER | 1 |
| 7 | 6G8-14345-00 | . PLUG | 1 | 30 | 33A-14369-00 | . DIAPHRAGM | 1 |
| 8 | 648-14343-47 | . JET, main (#94) (F9.9B Model) | 1 U.R. | 31 | 6G8-14371-00 | . PLUNGER, starter | 1 |
| | 648-14343-46 | . JET, main (#92) (F8B Model) | 1 U.R. | 32 | 6G8-14318-27 | . PIPE, starter | 1 |
| 9 | 6G8-14341-00 | . NOZZLE, main (F9.9B Model) | 1 U.R. | 33 | 6A4-14344-31 | . JET, starter | 1 |
| | 6J6-14341-00 | . NOZZLE, main (F8B Model) | 1 U.R. | 34 | 6G8-14272-00 | . VALVE, check | 1 |
| 10 | 654-14216-00 | . SCREW | 1 | 35 | 1J2-14397-00 | . O-RING | 2 |
| 11 | 647-14334-00 | . SPRING | 1 | 36 | 5H0-14397-00 | . O-RING | 1 |
| 12 | 6G8-14997-00 | . SEAL | 1 | 37 | 6G8-14313-00 | . VALVE, air | 1 |
| 13 | 6G8-14323-00 | . SCREW, air adjusting | 1 | 38 | 6G8-14377-00 | . STOPPER | 1 |
| 14 | 6G8-14392-00 | . VALVE, needle | 1 | 39 | 5Y1-14397-00 | . O-RING | 1 |
| 15 | 6G8-14385-00 | . FLOAT ASS'Y | 1 | 40 | 6G8-14383-00 | . SCREW, drain | 1 |
| 16 | 6G8-14197-00 | . PIPE | 2 | 41 | 44J-14349-00 | . PIPE | 1 |
| 17 | 6G8-14346-00 | . PLATE | 1 | 42 | 90116-06M26 | . BOLT, stud | 2 |
| 18 | 97803-06020 | . SCREW | 2 | 43 | 6G8-14271-00 | . INSULATOR | 1 |
| 19 | 92903-06100 | . WASHER | 2 | 44 | 14T-14396-00 | . PIPE | 1 |
| 20 | 97803-04007 | . SCREW | 3 | 45 | 650-14222-01 | . SCREW, drain | 1 |
| 21 | 648-14321-00 | . SCREW, throttle | 1 | 46 | 650-14227-01 | . GASKET | 1 |

Fig.11, Ref.No.1

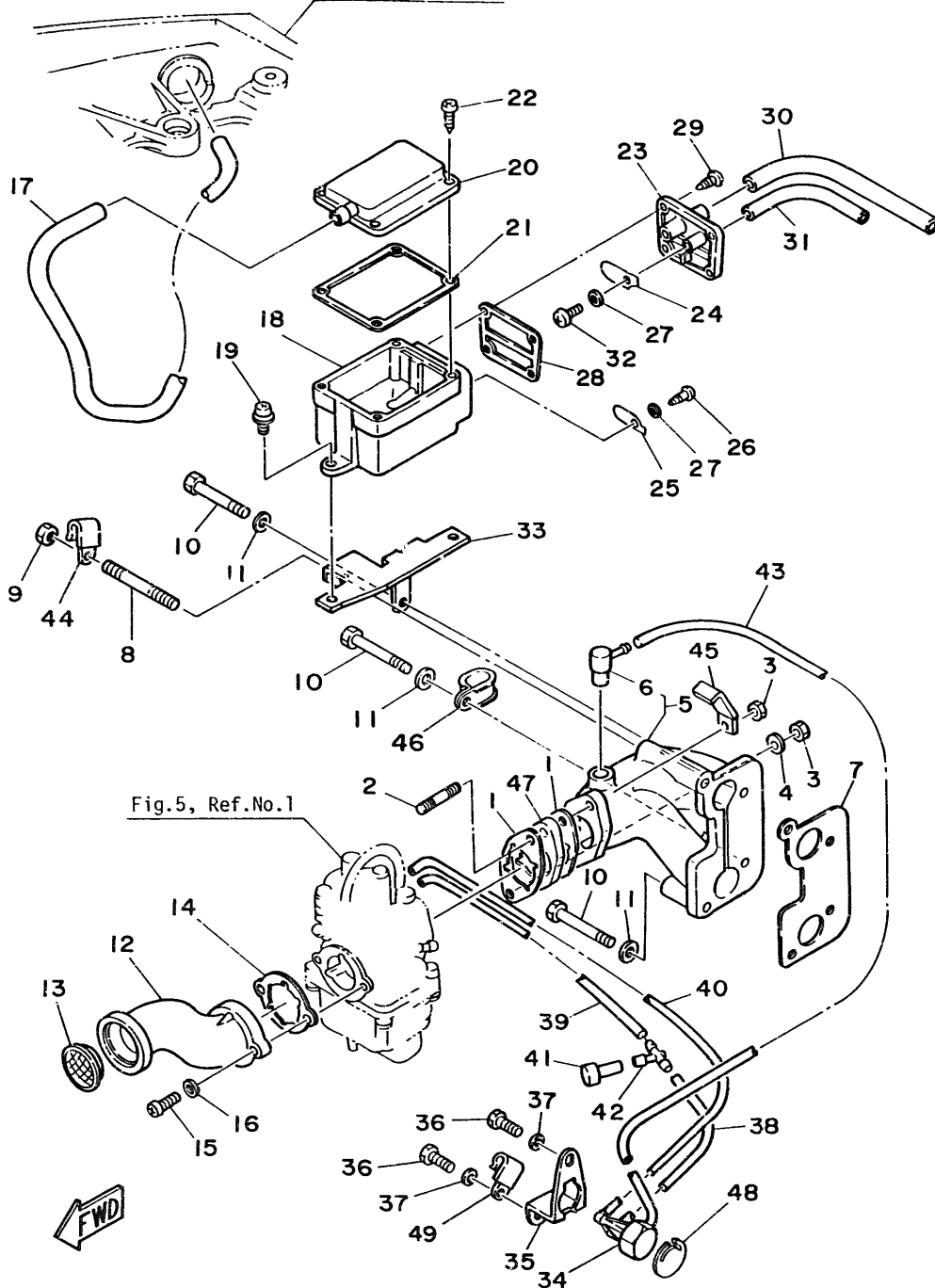


Fig.5, Ref.No.1

Fig. 6 INTAKE

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|-----------------|---------------------------|------|---------|--------------|------------------------------|------|
| 1 | 6G8-13646-00 | GASKET, intake manifold 2 | 2 | 26 | 97780-40512 | SCREW, tapping | 1 |
| 2 | 90116-06M26 | BOLT, stud | 2 | 27 | 92990-04200 | WASHER | 2 |
| 3 | 95303-06700 | NUT | 2 | 28 | 6G8-15374-00 | GASKET, breather | 1 |
| 4 | 92903-06600 | WASHER | 1 | 29 | 97780-40512 | SCREW, tapping | 4 |
| 5 | 6G8-13641-00-94 | MANIFOLD, intake | 1 | 30 | 90445-11M52 | HOSE | 1 |
| 6 | 6G8-11370-00 | CHECK VALVE ASS'Y | 1 | 31 | 90445-09065 | HOSE | 1 |
| 7 | 6G8-13645-00 | GASKET, intake manifold 1 | 1 | 32 | 98502-04010 | SCREW, panhead | 1 |
| 8 | 90116-06M15 | BOLT, stud | 1 | 33 | 6G8-15376-00 | HOLDER | 1 |
| 9 | 95380-06700 | NUT | 1 | 34 | 6G8-14399-00 | VALVE, bimetal vacuum switch | 1 |
| 10 | 97313-06045 | BOLT | 3 | 35 | 6G8-11395-00 | HOLDER | 1 |
| 11 | 92903-06600 | WASHER | 3 | 36 | 97313-06012 | BOLT | 2 |
| 12 | 6G8-14479-01-94 | FUNNEL | 1 | 37 | 92903-06600 | WASHER | 2 |
| 13 | 6G8-14478-00 | LOUVER | 1 | 38 | 90445-08MF5 | HOSE | 1 |
| 14 | 6G8-14198-00 | GASKET | 1 | 39 | 90445-08MF4 | HOSE | 1 |
| 15 | 98503-05016 | SCREW, panhead | 2 | 40 | 90445-08MF7 | HOSE | 1 |
| 16 | 92903-05600 | WASHER | 2 | 41 | 6G8-14309-00 | JET COMP. | 1 |
| 17 | 6G8-15393-00 | HOSE | 1 | 42 | 6E0-24378-00 | PIPE, joint | 1 |
| 18 | 6G8-15358-00 | SEPARATOR OIL 1 | 1 | 43 | 90445-08MF6 | HOSE | 1 |
| 19 | 90159-06M05 | SCREW, with washer | 2 | 44 | 90465-08M07 | CLAMP | 1 |
| 20 | 6G8-15368-00-94 | SEPARATOR OIL 2 | 1 | 45 | 90465-08M23 | CLAMP | 1 |
| 21 | 6G8-15369-00 | GASKET | 1 | 46 | 90461-06M00 | CLAMP | 1 |
| 22 | 97780-40512 | SCREW, tapping | 4 | 47 | 6G8-13647-00 | MANIFOLD, intake 3 | 1 |
| 23 | 6G8-15371-00-94 | BREATHING | 1 | 48 | 6G8-11326-00 | SEAT | 1 |
| 24 | 6G8-15346-00 | BREATHING 1 | 1 | 49 | 90465-08M07 | CLAMP | 1 |
| 25 | 6G8-15347-00 | BREATHING 2 | 1 | | | | |

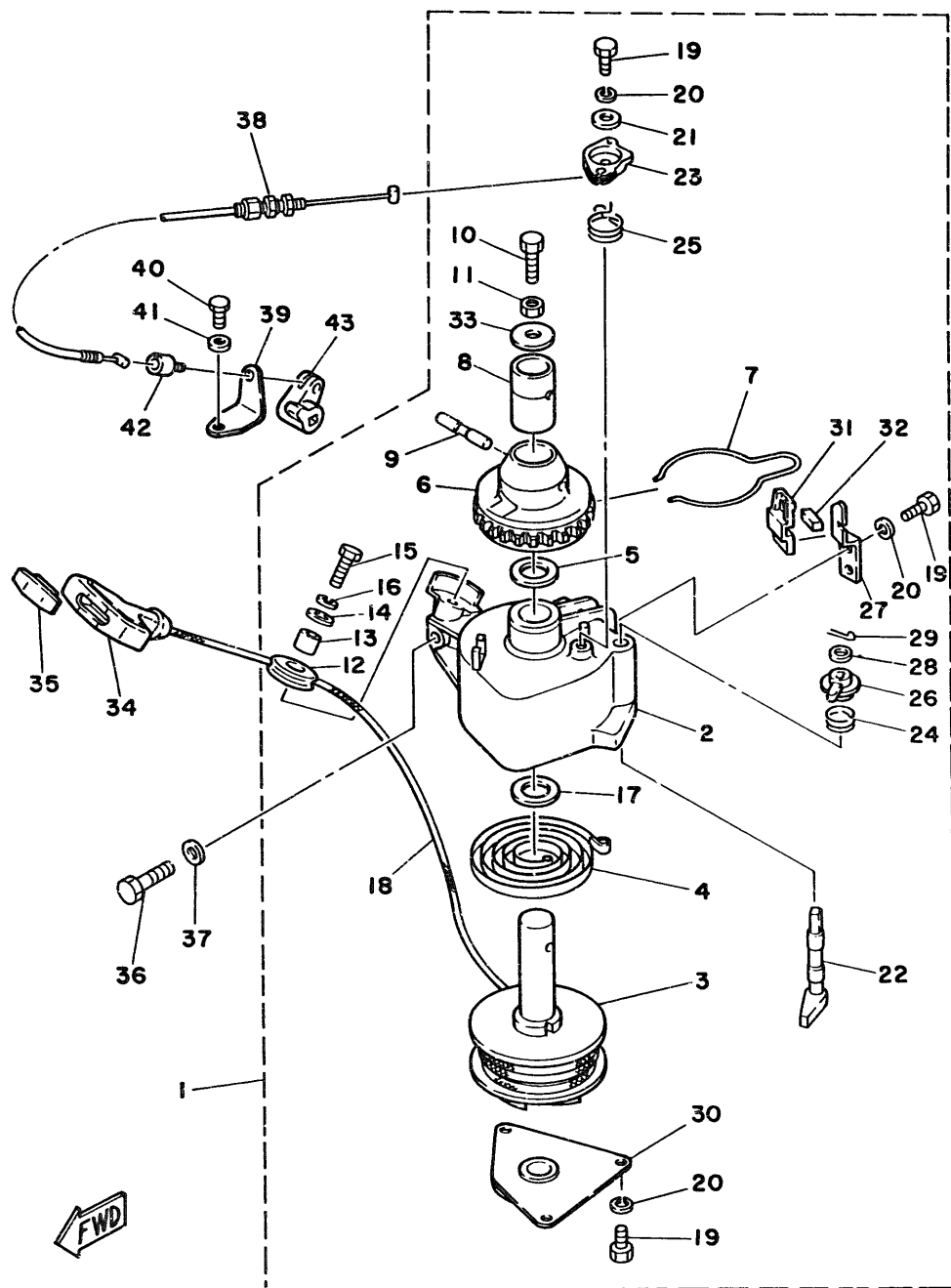


Fig. 7 STARTER

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|--------------|-----------------------|------|---------|--------------|--------------------------|------|
| 1 | 6G8-15710-10 | STARTER ASS'Y | 1 | 23 | 6G8-15746-00 | . ARM | 1 |
| 2 | 6G8-15711-00 | . CASE, starter | 1 | 24 | 6G8-15767-00 | . SPRING | 1 |
| 3 | 6G8-15714-00 | . DRUM, sheave | 1 | 25 | 6G8-15734-00 | . SPRING, return 1 | 1 |
| 4 | 6G8-15713-00 | . SPRING, starter | 1 | 26 | 6G8-15747-00 | . LINK | 1 |
| 5 | 6G8-15719-00 | . WASHER, thrust 1 | 1 | 27 | 6G8-15716-00 | . DRIVE, plate | 1 |
| 6 | 6G8-15723-00 | . PULLEY, starter | 1 | 28 | 92902-06200 | . WASHER | 1 |
| 7 | 6G8-15715-00 | . SPRING, drive plate | 1 | 29 | 91490-12012 | . PIN, cotter | 1 |
| 8 | 6G8-15754-00 | . BUSHING 2 | 1 | 30 | 6G8-15712-00 | . COVER, starter case | 1 |
| 9 | 6G8-15727-00 | . PIN 1 | 1 | 31 | 6G8-15779-00 | . COVER | 1 |
| 10 | 6G8-15768-00 | . BOLT | 1 | 32 | 6G8-15789-00 | . DAMPER | 1 |
| 11 | 95333-08700 | . NUT | 1 | 33 | 6G8-15742-00 | . WASHER | 1 |
| 12 | 6F5-15752-00 | . ROLLER, wire | 1 | 34 | 6G1-15755-00 | HANDLE, starter | 1 |
| 13 | 6G3-15753-00 | . BUSHING 1 | 1 | 35 | 689-15779-01 | COVER | 1 |
| 14 | 6G3-15791-00 | . WASHER, lock | 1 | 36 | 97313-08030 | BOLT | 3 |
| 15 | 97305-06025 | . BOLT | 1 | 37 | 92903-08600 | WASHER | 3 |
| 16 | 92903-06100 | . WASHER | 1 | 38 | 6G8-15770-00 | WIRE COMP., starter stop | 1 |
| 17 | 6G8-15739-00 | . WASHER, thrust 2 | 1 | 39 | 6G8-15771-00 | STAY 1 | 1 |
| 18 | * | . WIRE (L=1850) | 1 | 40 | 97313-06012 | BOLT | 1 |
| 19 | 37322-05012 | . BOLT | 6 | 41 | 92903-06600 | WASHER | 1 |
| 20 | 92902-05100 | . WASHER | 6 | 42 | 6G8-15772-00 | STAY 2 | 1 |
| 21 | 6G8-15726-00 | . WASHER, flat 1 | 1 | 43 | 6G8-44125-00 | LEVER, shift rod | 1 |
| 22 | 6G8-15794-00 | . STOPPER | 1 | | | | |

*Cut from 50m rolls, parts No. 90890-44373, cutting length 1.85m.

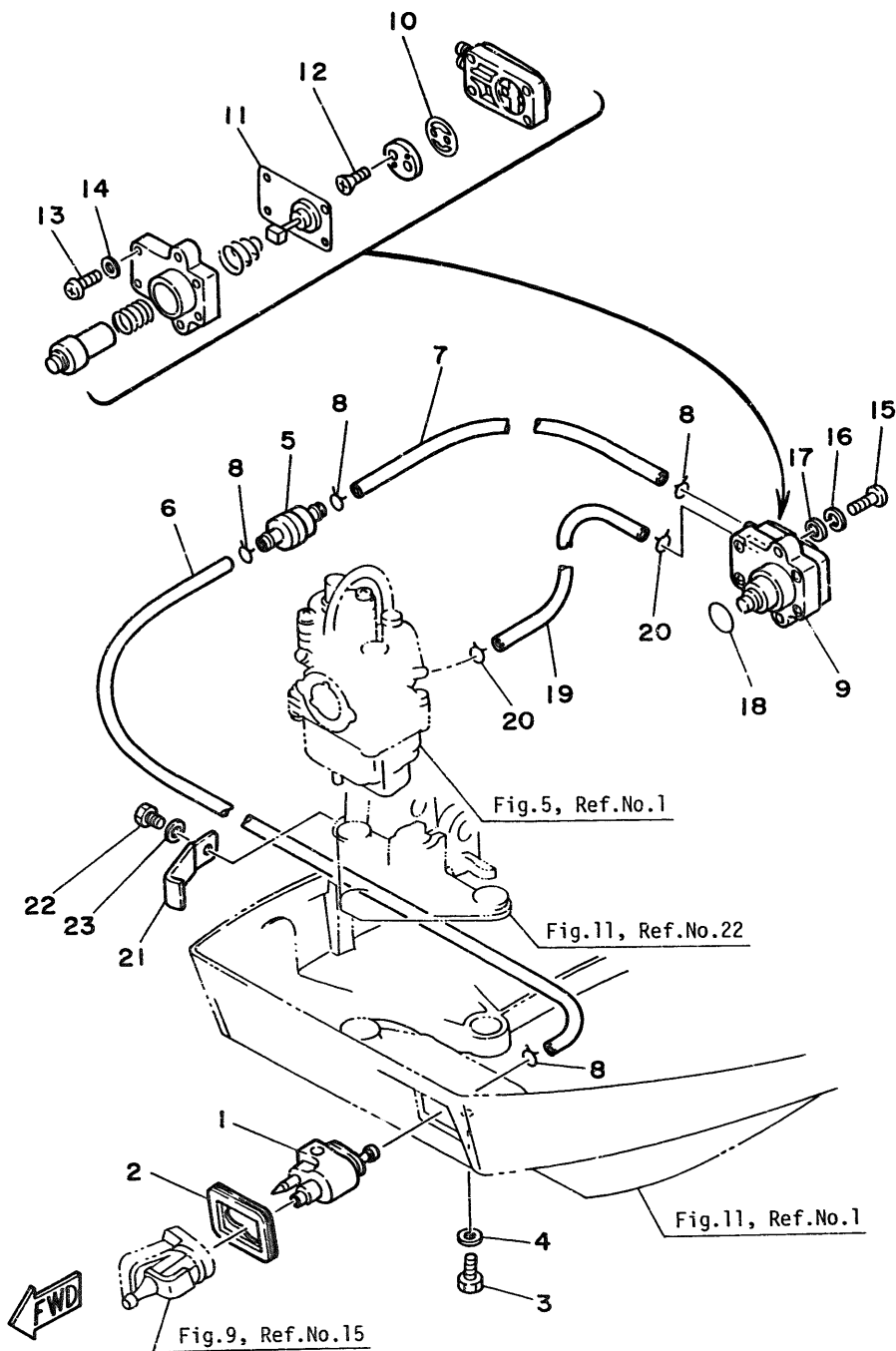


Fig. 8 FUEL 1

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|--------------|-------------------------|------|---------|-------------|------------------|------|
| 1 | 6G1-24304-01 | FUEL PIPE JOINT COMP. 1 | 1 | 13 | 98503-04014 | . SCREW, panhead | 4 |
| 2 | 5G8-24329-00 | SEAL | 1 | 14 | 92903-04600 | . WASHER | 4 |
| 3 | 97395-06020 | BOLT | 1 | 15 | 92503-06025 | SCREW | 2 |
| 4 | 92990-06600 | WASHER | 1 | 16 | 92903-06100 | WASHER | 2 |
| 5 | 646-24251-01 | STRAINER | 1 | 17 | 92903-06600 | WASHER | 2 |
| 6 | 6G8-24311-00 | PIPE, fuel 1 | 1 | 18 | 93210-20M65 | O-RING | 1 |
| 7 | 90445-09065 | HOSE | 1 | 19 | 90445-09M75 | HOSE | 1 |
| 8 | 90467-08004 | CLIP | 4 | 20 | 90467-08004 | CLIP | 2 |
| 9 | 6G8-24410-00 | FUEL PUMP ASS'Y | 1 | 21 | 90465-08M26 | CLAMP | 1 |
| 10 | 6G8-24421-00 | . VALVE, check | 1 | 22 | 97313-06010 | BOLT | 1 |
| 11 | 6G8-24411-00 | . DIAPHRAGM | 1 | 23 | 92903-06600 | WASHER | 1 |
| 12 | 98701-03008 | . SCREW | 2 | | | | |

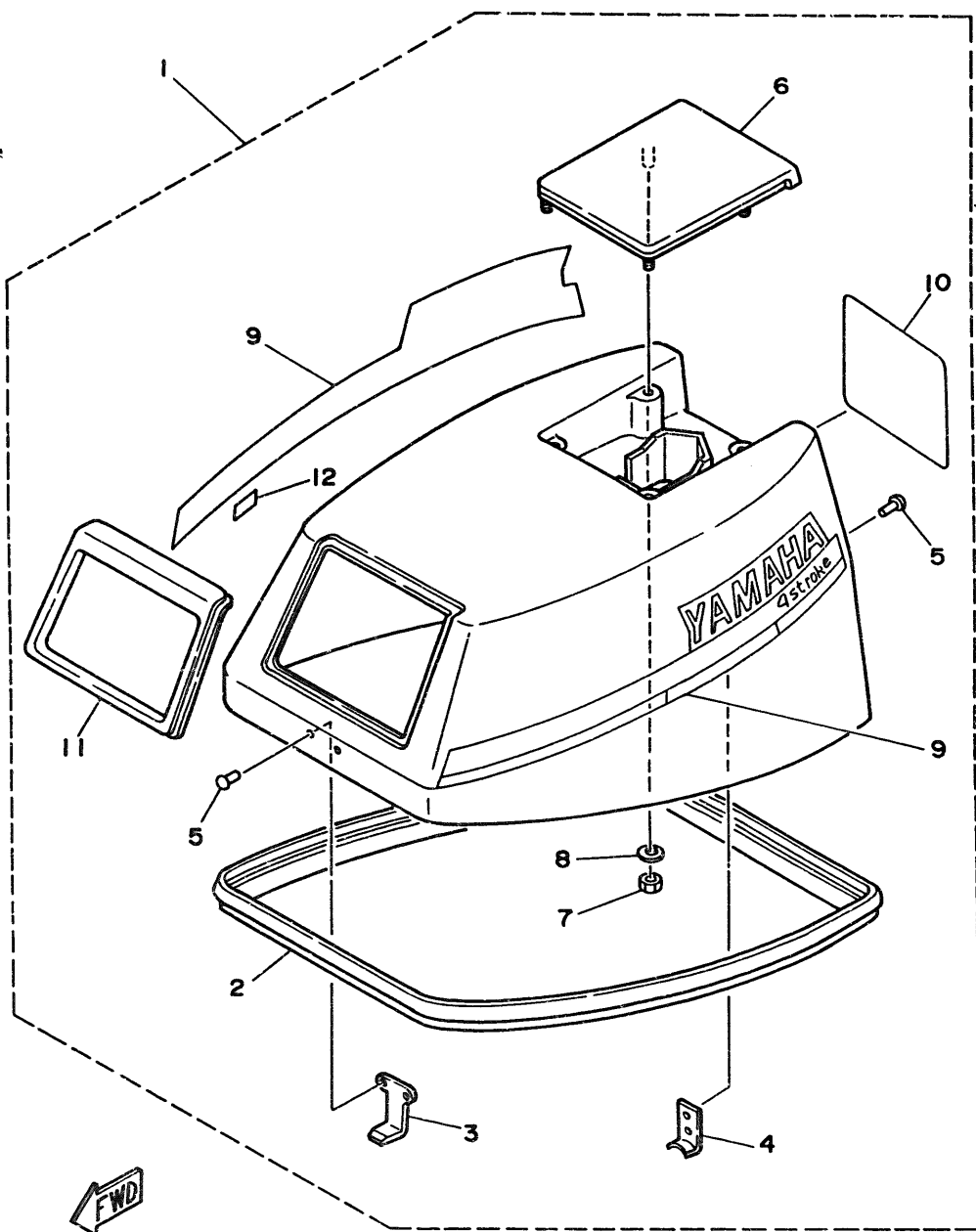


Fig.8, Ref.No.1

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

Fig. 10 TOP COWLING

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|-----------------|---------------------------------|--------|---------|--------------|-------------------------------|--------|
| 1 | 6G9-42610-22-EJ | TOP COWLING ASS'Y (F9.9B Model) | 1 U.R. | 7 | 95303-06700 | . NUT | 4 |
| | 6J7-42610-22-EJ | TOP COWLING ASS'Y (F8B Model) | 1 U.R. | 8 | 92903-06200 | . WASHER | 4 |
| 2 | 6G8-42615-00 | . SEAL | 1 | 9 | 6G9-W0070-21 | . GRAPHIC SIDE SET | 1 |
| 3 | 6G8-42651-00 | . HOOK 1 | 1 | 10 | 6G9-42678-20 | . GRAPHIC, rear (F9.9B Model) | 1 U.R. |
| 4 | 6G8-42652-00 | . HOOK 2 | 1 | | 6J7-42678-20 | . GRAPHIC, rear (F8B Model) | 1 U.R. |
| 5 | 90266-04004 | . RIVET | 4 | | | | |
| 6 | 6G8-42613-00-EJ | . MOLDING, air duct | 1 | 11 | 6G8-42628-01 | . SEAL | 1 |
| | | | | 12 | 6E0-44191-11 | . INDICATOR, shift | 1 |



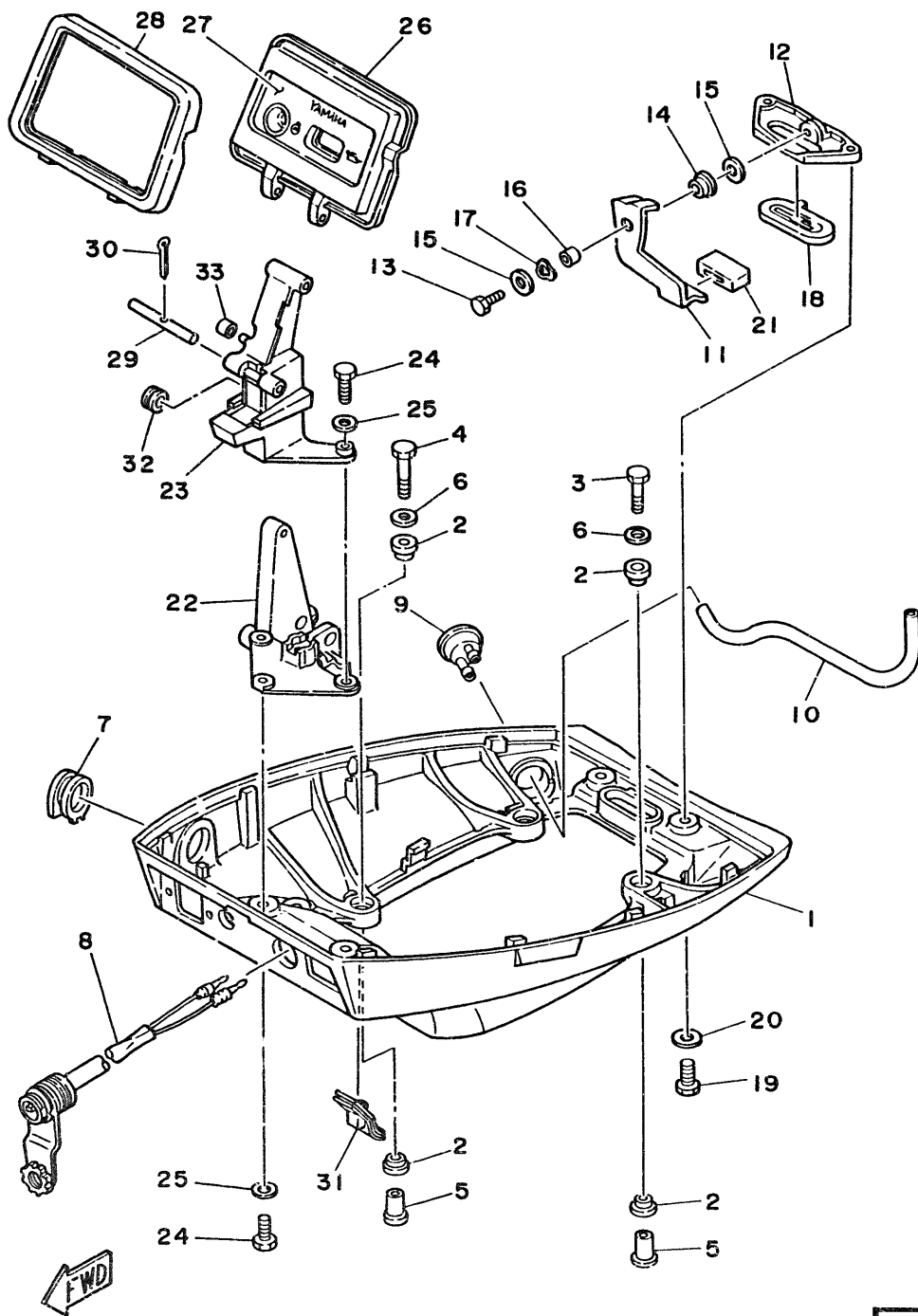


Fig. 11 BOTTOM COWLING

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|-----------------|--------------------------------|--------|---------|-----------------|--------------------|------|
| 1 | 668-42711-00-EJ | COWLING, bottom | 1 | 17 | 90206-08M13 | WASHER, wave | 1 |
| 2 | 90480-09M35 | GROMMET | 8 | 18 | 668-42748-00 | GROMMET | 1 |
| 3 | 97313-06030 | BOLT | 2 | 19 | 97395-06016 | BOLT | 2 |
| 4 | 97313-06040 | BOLT | 2 | 20 | 92990-06600 | WASHER | 2 |
| 5 | 90387-06M58 | COLLAR | 4 | 21 | 668-42831-00 | BUSHING, lever | 1 |
| 6 | 90201-06M31 | WASHER | 4 | 22 | 668-42738-00-94 | PLATE, fitting | 1 |
| 7 | 669-42724-00 | GROMMET 1 | 1 U.R. | 23 | 668-42719-00-EJ | PANEL, front lower | 1 |
| | 668-42724-00 | GROMMET 1 (For Remote Control) | 1 U.R. | 24 | 97395-06016 | BOLT | 4 |
| 8 | 682-84381-00 | 2P CONCNET 1 | 1 | 25 | 92990-06600 | WASHER | 4 |
| 9 | 668-44391-00 | HIPPLE, hose | 1 | 26 | 668-42614-01 | PANEL, front upper | 1 |
| 10 | 668-12482-00 | HOSE | 1 | 27 | 668-42677-00 | GRAPHIC, front | 1 |
| 11 | 668-42815-00 | LEVER, clamp 1 | 1 | 28 | 668-42629-01 | SEAL | 1 |
| 12 | 668-42811-00-94 | STAY, clamp | 1 | 29 | 668-42755-00 | HINGE, cowling | 1 |
| 13 | 97313-06016 | BOLT | 1 | 30 | 91490-16010 | PIN, cotter | 1 |
| 14 | 90386-08M49 | BUSHING | 1 | 31 | 668-42727-00 | GROMMET 4 | 1 |
| 15 | 90201-06M31 | WASHER | 2 | 32 | 90480-19031 | GROMMET | 1 |
| 16 | 90387-06M72 | COLLAR | 1 | 33 | 90445-05ME6 | HOSE | 1 |

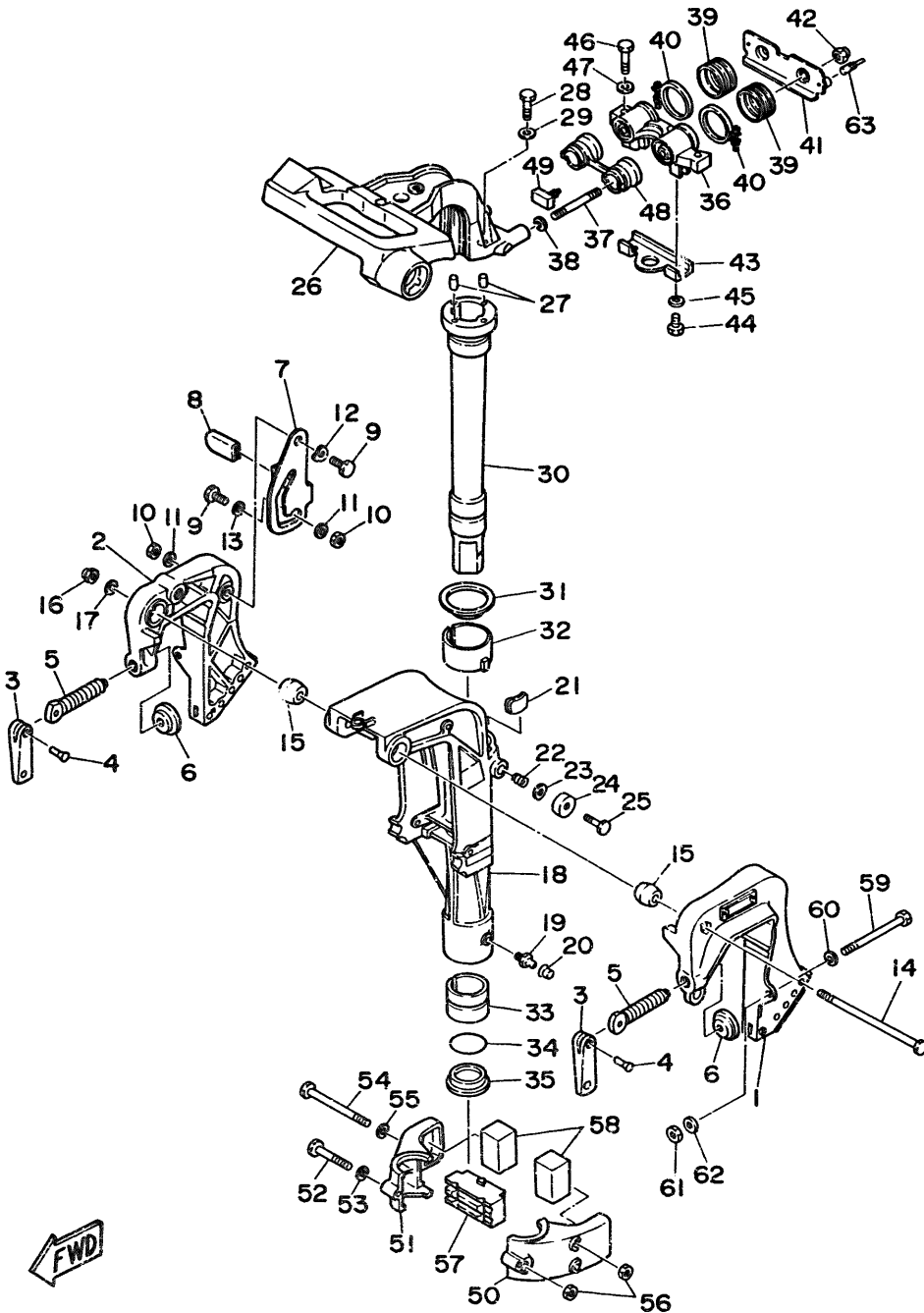


Fig. 12 BRACKET 1

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|-----------------|-------------------------------|--------|---------|-----------------|----------------------------|------|
| 1 | 6G8-43111-00-EJ | BRACKET, clamp 1 | 1 | 32 | 6G8-42537-00 | BUSHING, pivot shaft | 1 |
| 2 | 6G8-43112-01-EJ | BRACKET, clamp 2 | 1 | 33 | 90386-37M47 | BUSHING | 1 |
| 3 | 616-43118-00-EJ | HANDLE, transom clamp | 2 | 34 | 93210-37M67 | O-RING | 1 |
| 4 | 90243-04001 | PIN | 2 | 35 | 90386-37M48 | BUSHING | 1 |
| 5 | 90149-14030 | SCREW | 2 | 36 | 6G8-44517-00-94 | MOUNT RUBBER, upper | 1 |
| 6 | 648-43114-01 | PAD, transom clamp | 2 | 37 | 90116-08M28 | BOLT, stud | 2 |
| 7 | 6G8-43181-00 | LEVER, tilt stop | 1 | 38 | 90201-08M12 | WASHER, plate | 2 |
| 8 | 682-43318-01 | COVER | 1 | 39 | 6G8-44522-00 | SEAL, rubber 2 | 2 |
| 9 | 90109-06M25 | BOLT | 2 | 40 | 90460-38M06 | CLAMP, hose | 2 |
| 10 | 95690-06106 | NUT, U | 2 | 41 | 6G8-44518-00 | BRACKET | 1 |
| 11 | 92990-06600 | WASHER | 2 | 42 | 90185-08057 | NUT | 2 |
| 12 | 90206-10M15 | WASHER, wave | 1 | 43 | 6G8-44526-00 | PLATE | 1 |
| 13 | 682-43339-01 | WASHER | 1 | 44 | 97395-05012 | BOLT | 2 |
| 14 | 90105-08M03 | BOLT | 1 | 45 | 92990-06600 | WASHER | 2 |
| 15 | 6G1-43136-00 | PIECE, friction | 2 | 46 | 97395-08030 | BOLT | 2 |
| 16 | 90185-08057 | NUT, self-locking | 1 | 47 | 92990-08600 | WASHER | 2 |
| 17 | 92990-08100 | WASHER | 1 | 48 | 6G8-44521-00 | SEAL, rubber | 1 |
| 18 | 6G9-43311-01-EJ | BRACKET, swivel (Short) | 1 U.R. | 49 | 6G8-44532-00 | STOPPER | 1 |
| | 6G8-43311-12-EJ | BRACKET, swivel (Long) | 1 U.R. | 50 | 6G8-44551-01-EJ | HOUSING, lower mount 1 | 1 |
| 19 | 93700-06004 | NIPPLE, grease | 1 | 51 | 6G8-44552-01-EJ | HOUSING, lower mount 2 | 1 |
| 20 | 663-45119-00 | CAP, grease nipple | 1 | 52 | 97395-06045 | BOLT | 1 |
| 21 | 6G8-42528-00 | PIECE, friction | 1 | 53 | 92990-06600 | WASHER | 1 |
| 22 | 90501-18M00 | SPRING, compression | 1 | 54 | 97395-06095 | BOLT | 2 |
| 23 | 90201-06M31 | WASHER | 1 | 55 | 92990-06600 | WASHER | 2 |
| 24 | 6G8-43373-00 | SEAL, rubber | 1 | 56 | 95380-06700 | NUT | 3 |
| 25 | 97395-06025 | BOLT | 1 | 57 | 6G8-44557-00 | MOUNT RUBBER, lower front | 1 |
| 26 | 6G8-42511-01-EJ | BRACKET, steering | 1 | 58 | 682-44555-00 | MOUNT RUBBER, lower side | 2 |
| 27 | 93605-15065 | PIN, dowel B | 2 | 59 | 90101-08M88 | BOLT | 2 |
| 28 | 97315-06030 | BOLT | 2 | 60 | 92990-08600 | WASHER | 2 |
| 29 | 92990-06600 | WASHER | 2 | 61 | 90185-08057 | NUT | 2 |
| 30 | 6G9-42521-00-94 | SHAFT, steering pivot (Short) | 1 U.R. | 62 | 90201-08M44 | WASHER | 2 |
| | 6G8-42521-10-94 | SHAFT, steering pivot (Long) | 1 U.R. | 63 | 6G8-44533-00 | DAMPER, upper mount rubber | 2 |
| 31 | 90209-45M09 | WASHER | 1 | | | | |

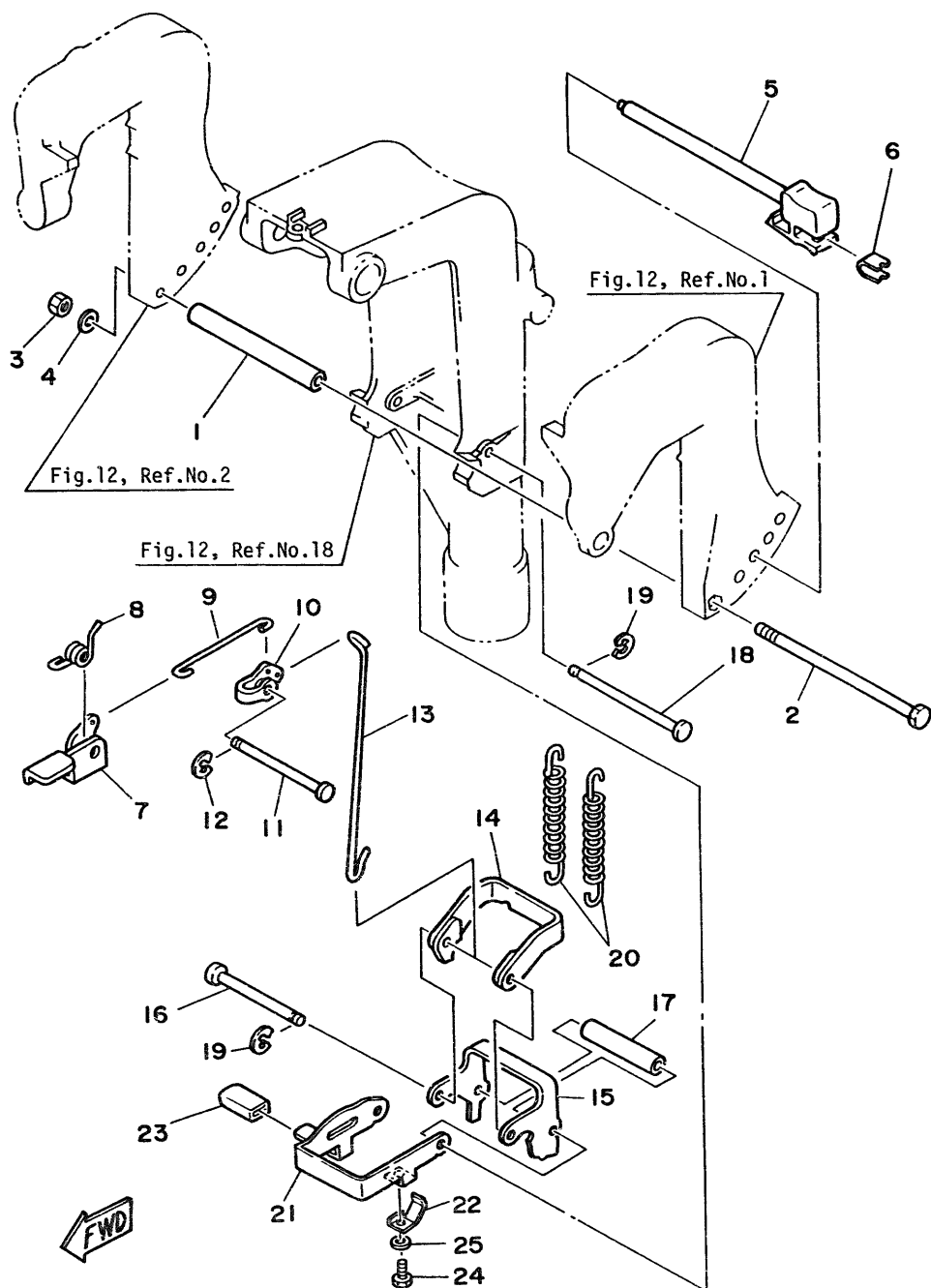


Fig. 13 BRACKET, 2

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|--------------|-------------------------|------|---------|--------------|----------------------------|--------|
| 1 | 90387-06M57 | COLLAR | 1 | 15 | 682-43615-01 | PLATE, tilt lock 2 | 1 |
| 2 | 97395-06135 | BOLT | 1 | 16 | 682-43611-00 | SHAFT, tilt lock | 1 |
| 3 | 95380-06700 | NUT | 1 | 17 | 90387-06M10 | COLLAR | 1 |
| 4 | 92990-06600 | WASHER | 1 | 18 | 682-43659-00 | SHAFT, reverse lock | 1 |
| 5 | 668-43160-00 | TILT ROD ASS'Y | 1 | 19 | 93430-05027 | CIRCLIP | 2 |
| 6 | 668-43162-00 | SPRING, tilt lock lever | 1 | 20 | 90506-26M01 | SPRING, tension | 2 U.R. |
| 7 | 668-43631-00 | LEVER, tilt | 1 | | 90506-26M07 | SPRING, tension | 2 U.R. |
| 8 | 90508-12M18 | SPRING, torsion | 1 | | | (For Dual Thrust Prop.) | |
| 9 | 682-43616-00 | ROD, tilt lock 1 | 1 | 21 | 669-43681-00 | LEVER, shallow water drive | 1 |
| 10 | 682-43641-00 | LEVER, tilt 2 | 1 | 22 | 669-43643-00 | SPRING | 1 |
| 11 | 90249-06M16 | PIN | 1 | 23 | 682-43318-01 | COVER | 1 |
| 12 | 93430-05027 | CIRCLIP | 1 | 24 | 97395-06008 | BOLT | 1 |
| 13 | 668-43617-00 | ROD, tilt lock 1 | 1 | 25 | 92990-06600 | WASHER | 1 |
| 14 | 682-43614-00 | PLATE, tilt lock 1 | 1 | | | | |

Fig.12, Ref.No.26

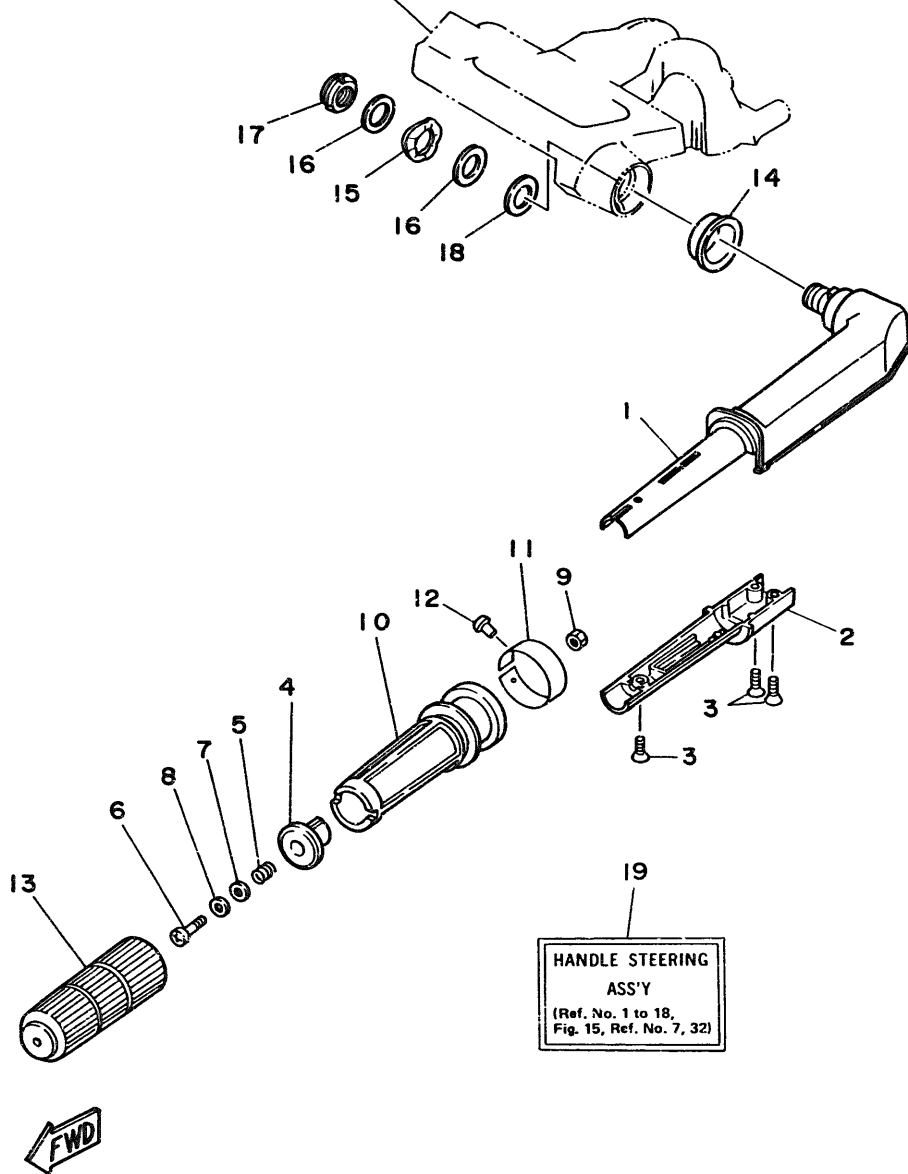


Fig. 14 STEERING

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|-----------------|-----------------------------------|--------|---------|-----------------|--|--------|
| 1 | 6G9-42111-01-EJ | HANDLE, steering 1 | 1 | 12 | 90269-02001 | RIVET | 1 |
| 2 | 6G9-42112-00-EJ | HANDLE, steering 2 | 1 | 13 | 6G8-42177-00 | RUBBER, handle | 1 |
| 3 | 98780-05016 | SCREW | 3 | 14 | 90386-33M56 | BUSHING | 1 |
| 4 | 6G8-42126-00-94 | FRICTION, steering handle grip | 1 | 15 | 90206-20M14 | WASHER, wave | 1 |
| 5 | 90501-23M42 | SPRING, compression | 1 | 16 | 90201-20M00 | WASHER | 2 |
| 6 | 97890-06030 | SCREW | 1 | 17 | 90185-20M03 | NUT, self-locking | 1 |
| 7 | 90201-06049 | WASHER | 1 | 18 | 90202-20M33 | WASHER | 1 |
| 8 | 90202-06007 | WASHER | 1 | 19 | 6G9-W0084-81-EJ | HANDLE STEERING ASS'Y (F9.9B Model) | 1 U.R. |
| 9 | 95380-06700 | NUT | 1 | | 6J7-W0084-81-EJ | HANDLE STEERING ASS'Y (F8B Model) | 1 U.R. |
| 10 | 6G8-42119-00 | GRIP, steering handle | 1 | | | | |
| 11 | 6G8-42137-01 | INDICATOR, throttle (F9.9B Model) | 1 U.R. | | | | |
| | 6J6-42137-00 | INDICATOR, throttle (F8B Model) | 1 U.R. | | | | |

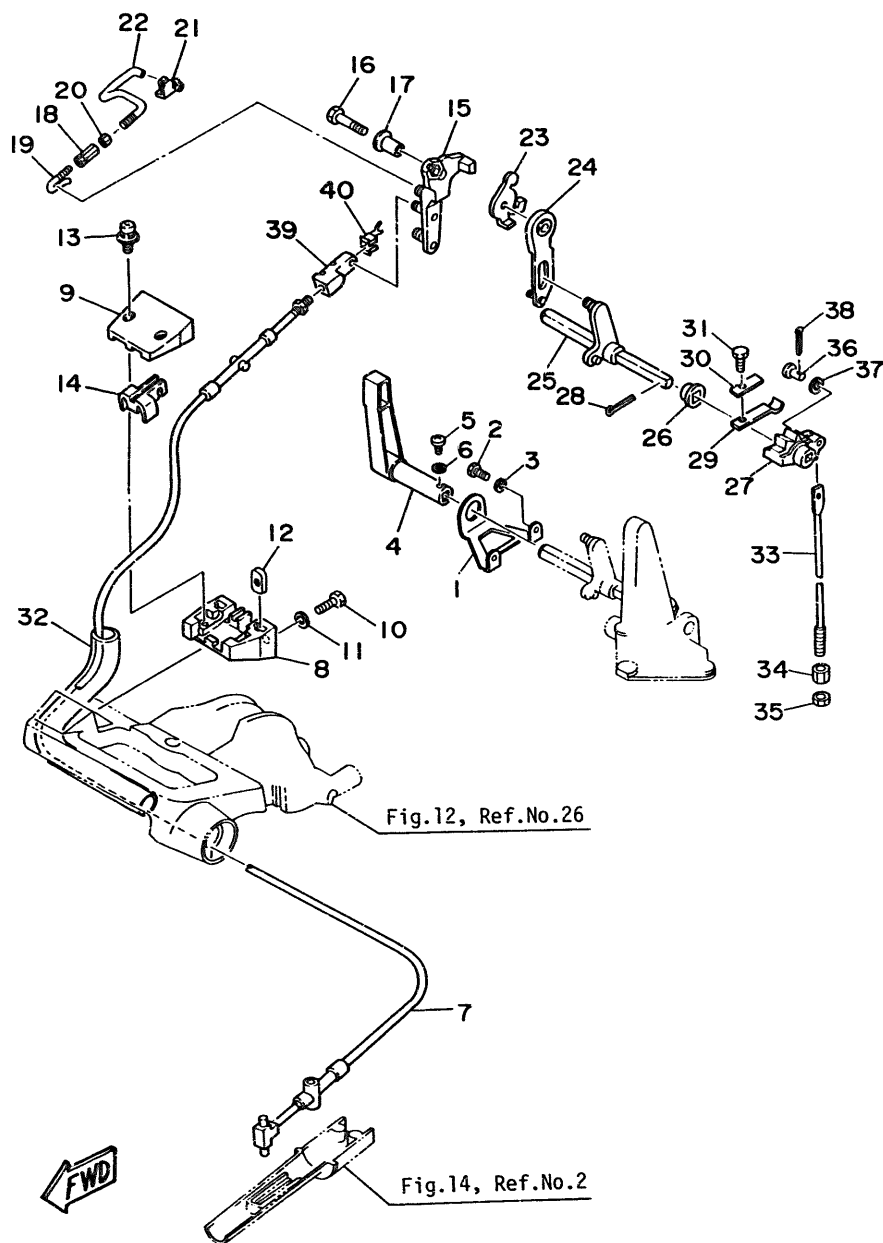


Fig. 15 CONTROL

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|-----------------|-------------------------|--------|---------|--------------|----------------------|--------|
| 1 | 669-44112-00 | STAY, handle gear shift | 1 | 22 | 6G8-41242-01 | ROD 2 | 1 |
| 2 | 97313-06012 | BOLT | 2 | 23 | 6G8-14493-00 | STAY (F9.9B Model) | 1 U.R. |
| 3 | 52903-06600 | WASHER | 2 | | 6J6-14493-00 | STAY (F8B Model) | 1 U.R. |
| 4 | 669-44111-00-98 | HANDLE, gear shift | 1 | 24 | 6G8-44111-00 | HANDLE, gear shift 1 | 1 |
| 5 | 98503-04016 | SCREW, panhead | 1 | 25 | 6G8-44159-00 | HANDLE, gear shift 2 | 1 |
| 6 | 92903-04600 | WASHER | 1 | 26 | 682-44132-00 | BUSHING | 1 |
| 7 | 669-48311-02 | CABLE (F9.9B Model) | 1 U.R. | 27 | 6G8-44141-00 | LINK, shift rod | 1 |
| | 6J7-48311-02 | CABLE (F8B Model) | 1 U.R. | 28 | 91490-25020 | PIN, cotter | 1 |
| 8 | 6G8-41661-00-98 | BRACKET 1 | 1 | 29 | 682-44116-00 | SPRING | 1 |
| 9 | 6G8-41662-00-98 | BRACKET 2 | 1 | 30 | 682-44117-00 | BRACKET 1 | 1 |
| 10 | 97395-06016 | BOLT | 2 | 31 | 97313-06012 | BOLT | 1 |
| 11 | 92990-06600 | WASHER | 2 | 32 | 90445-24M00 | HOSE | 1 |
| 12 | 6G8-41654-00 | NUT | 2 | 33 | 6G9-44143-00 | ROD, shift (Short) | 1 U.R. |
| 13 | 90159-05M06 | SCREW, with washer | 2 | | 6G8-44143-10 | ROD, shift (Long) | 1 U.R. |
| 14 | 6G8-41663-00 | BRACKET 3 | 1 | 34 | 90170-06015 | NUT | 1 |
| 15 | 6G8-41212-00 | ARM, accel. | 1 | 35 | 95380-06700 | NUT | 1 |
| 16 | 97313-06030 | BOLT | 1 | 36 | 91790-05020 | PIN | 1 |
| 17 | 90387-06M58 | COLLAR | 1 | 37 | 92990-05600 | WASHER | 1 |
| 18 | 6G8-41238-01 | JOINT, link | 1 | 38 | 91490-16010 | PIN, cotter | 1 |
| 19 | 6G8-41241-01 | ROD 1 | 1 | 39 | 6G8-26363-00 | END, wire 1 | 1 |
| 20 | 95380-04600 | NUT | 1 | 40 | 6G8-26364-00 | END, wire 2 | 1 |
| 21 | 6G8-41237-00 | JOINT, link 2 | 1 | | | | |

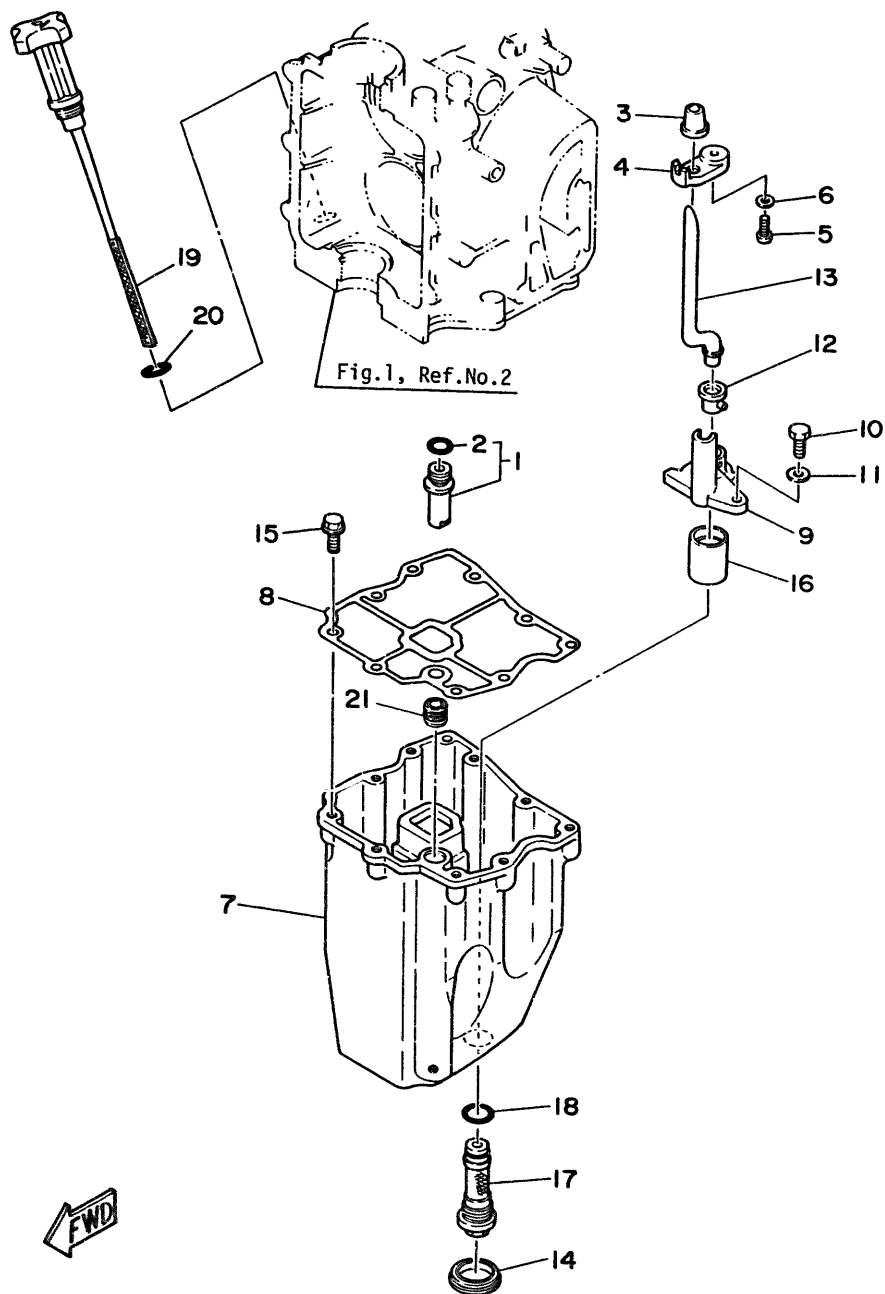


Fig. 16 OIL PAN

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|-----------------|--------------------|------|---------|--------------|-----------------|------|
| 1 | 6G8-11575-00 | RELIEF VALVE ASS'Y | 1 | 12 | 6G8-15315-00 | SEAL | 1 |
| 2 | 93210-12M62 | . O-RING | 1 | 13 | 6G8-15397-00 | PIPE | 1 |
| 3 | 6G8-15379-00 | SEAL | 1 | 14 | 6G8-15316-00 | DAMPER 1 | 1 |
| 4 | 6G8-13487-00 | GUIDE, oil hose | 1 | 15 | 90105-06M33 | BOLT | 9 |
| 5 | 98502-05012 | SCREW, panhead | 1 | 16 | 6G8-13417-00 | COVER, strainer | 1 |
| 6 | 92902-05600 | WASHER | 1 | 17 | 6G8-13411-00 | STRAINER, oil | 1 |
| 7 | 6G8-15311-01-9M | PAN, oil | 1 | 18 | 93210-16M64 | O-RING | 1 |
| 8 | 6G8-15312-01 | GASKET, oil pan | 1 | 19 | 6G8-15362-0 | PLUG, oil level | 1 |
| 9 | 6G8-13412-00 | HOUSING, strainer | 1 | 20 | 93210-13M63 | O-RING | 1 |
| 10 | 97312-06016 | BOLT | 1 | 21 | 6G8-45127-00 | SEAL, rubber 1 | 1 |
| 11 | 92902-06600 | WASHER | 1 | | | | |

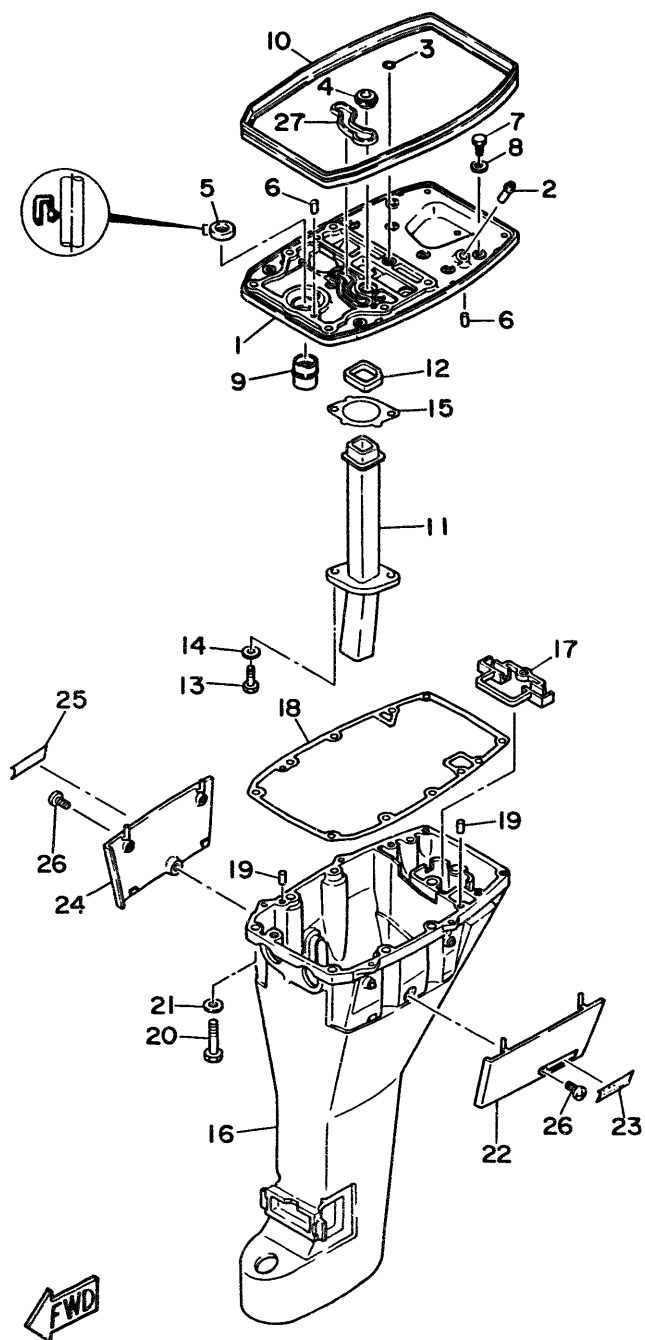


Fig. 17 UPPER CASING

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|-----------------|---------------------|------|---------|-----------------|--------------------------|--------|
| 1 | 6G8-41137-01-94 | GUIDE, exhaust | 1 | 15 | 6G8-41133-00 | GASKET, exhaust manifold | 1 |
| 2 | 6E5-24377-00 | PIPE, joint | 1 | 16 | 6G9-45111-00-EJ | CASING, upper (Short) | 1 U.R. |
| 3 | 93210-08M60 | O-RING | 1 | | 6G8-45111-10-EJ | CASING, upper (Long) | 1 U.R. |
| 4 | 6G8-44367-00 | WATER SEAL | 1 | 17 | 6G8-45151-00 | COVER, upper casing | 1 |
| 5 | 93101-13M27 | OIL SEAL | 1 | 18 | 6G8-45113-00 | GASKET, upper casing | 1 |
| 6 | 93606-12019 | PIN, dowel B | 2 | 19 | 93606-12019 | PIN, dowel B | 2 |
| 7 | 97313-06020 | BOLT | 2 | 20 | 97395-08040 | BOLT | 6 |
| 8 | 92903-06600 | WASHER | 2 | 21 | 92990-08600 | WASHER | 6 |
| 9 | 6G8-45135-00 | PIPE 1 | 1 | 22 | 6G8-42741-00-EJ | APRON 1 | 1 |
| 10 | 6G8-42716-00 | SEAL | 1 | 23 | 6G8-42791-00 | MARK 1 | 1 |
| 11 | 6G8-41131-00 | MANIFOLD, exhaust 1 | 1 | 24 | 6G8-42771-00-EJ | APRON 2 | 1 |
| 12 | 6G8-41138-00 | SEAL, exhaust 1 | 1 | 25 | 6G8-42792-00 | MARK 2 | 1 |
| 13 | 97395-06016 | BOLT | 2 | 26 | 90157-06M04 | SCREW | 2 |
| 14 | 92990-06600 | WASHER | 2 | 27 | 6G8-11355-00 | SEAL, cylinder | 1 |

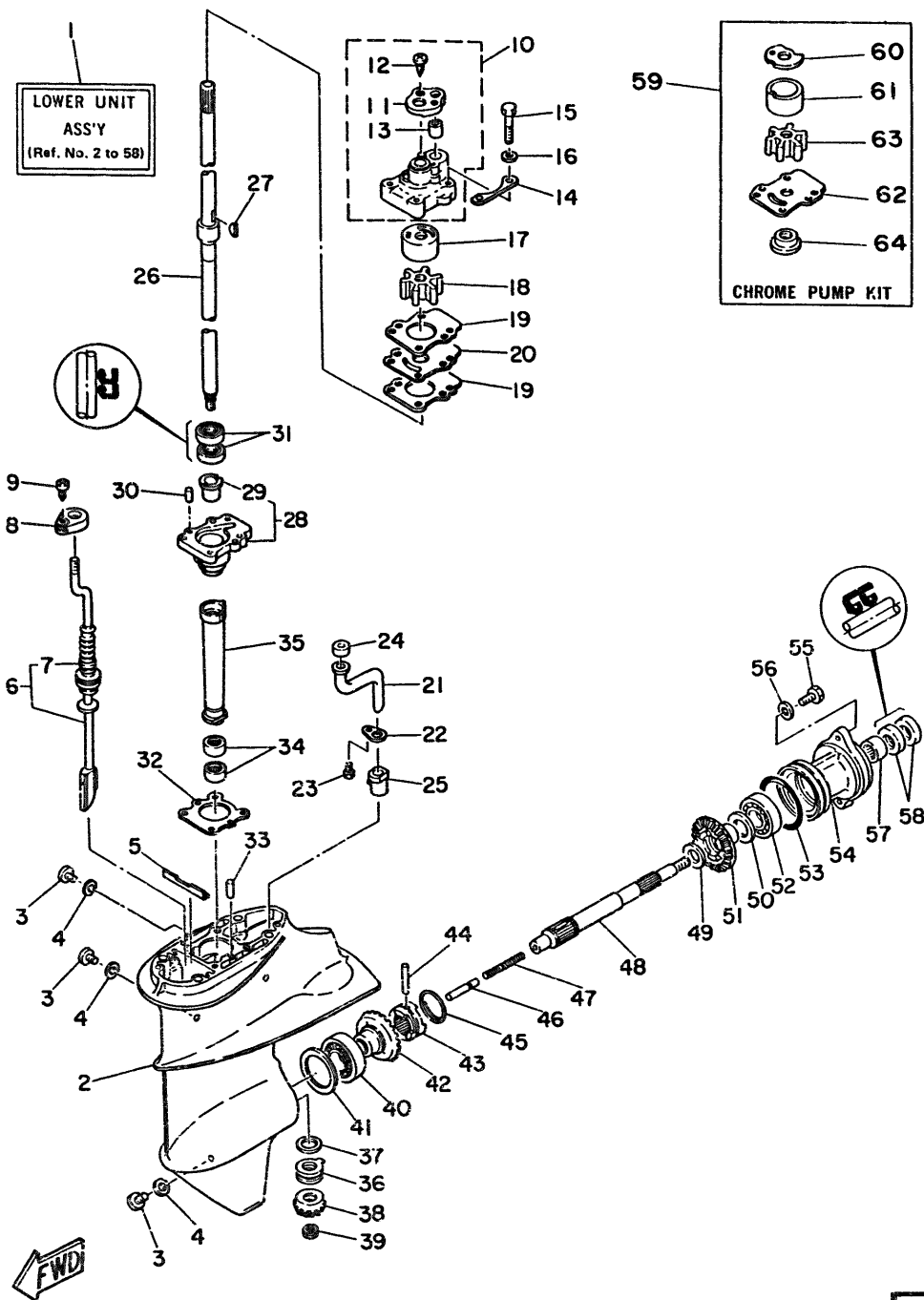


Fig. 18 LOWER & DRIVE 1

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|-----------------|-----------------------------|--------|---------|-----------------|--------------------------|--------|
| 1 | 669-45300-01-EJ | LOWER UNIT ASS'Y (Short) | 1 U.R. | 37 | 6E7-45587-00-05 | SHIM (0.05mm) | 1 U.R. |
| | 669-45300-11-EJ | LOWER UNIT ASS'Y (Long) | 1 U.R. | | 6E7-45587-00-08 | SHIM (0.08mm) | 1 U.R. |
| 2 | 6E7-45311-01-EJ | CASING, lower | 1 | | 6E7-45587-00-12 | SHIM (0.12mm) | 1 U.R. |
| 3 | 90340-08014 | PLUG, straight screw | 3 | | 6E7-45587-00-30 | SHIM (0.30mm) | 1 U.R. |
| 4 | 90430-08020 | GASKET | 3 | | 6E7-45587-00-50 | SHIM (0.50mm) | 1 U.R. |
| 5 | 682-45376-01 | GUIDE, seal damper | 1 | 38 | 6E7-45551-00 | PINION (13T) | 1 |
| 6 | 669-44150-00 | SHIFT CAM ASS'Y (Short) | 1 U.R. | 39 | 90179-08M06 | NUT | 1 |
| | 669-44150-10 | SHIFT CAM ASS'Y (Long) | 1 U.R. | 40 | 93332-00005 | BEARING, taper roller | 1 |
| 7 | 682-44147-00 | . BOOT, shift rod | 1 | 41 | 664-45567-00-05 | SHIM (0.05mm) | 1 U.R. |
| 8 | 682-44176-00 | BRACKET | 1 | | 664-45567-00-08 | SHIM (0.08mm) | 1 U.R. |
| 9 | 97780-50510 | SCREW, panhead tapping | 1 | | 664-45567-00-12 | SHIM (0.12mm) | 1 U.R. |
| 10 | 682-44300-01 | HOUSING WATER PUMP ASS'Y | 1 | | 664-45567-00-30 | SHIM (0.30mm) | 1 U.R. |
| 11 | 682-44312-00 | . COVER, water pump housing | 1 | | 664-45567-00-50 | SHIM (0.50mm) | 1 U.R. |
| 12 | 97780-40112 | . SCREW, panhead tapping | 2 | 42 | 6E7-45560-00 | GEAR 1 ASS'Y (27T) | 1 |
| 13 | 682-44365-00 | . DAMPER, water seal 1 | 1 | 43 | 682-45631-00 | CLUTCH, dog | 1 |
| 14 | 682-44328-00 | PLATE | 2 | 44 | 90250-05010 | PIN, straight | 1 |
| 15 | 97395-06040 | BOLT | 4 | 45 | 648-45633-00 | RING, cross pin | 1 |
| 16 | 92990-06200 | WASHER | 4 | 46 | 650-45635-00 | PLUNGER, shift | 1 |
| 17 | 682-44322-00 | INSERT, cartridge | 1 | 47 | 90501-14M06 | SPRING, compression | 1 |
| 18 | 682-44352-01 | IMPELLER | 1 | 48 | 683-45611-00 | SHAFT, propeller | 1 |
| 19 | 682-44315-00 | GASKET, water pump | 2 | 49 | 90201-17682 | WASHER | 1 |
| 20 | 682-44323-00 | OUTER PLATE, cartridge | 1 | 50 | 626-45577-00-01 | SHIM (0.1mm) | 1 U.R. |
| 21 | 683-44362-01 | TUBE, water 2 | 1 | | 626-45577-00-03 | SHIM (0.3mm) | 1 U.R. |
| 22 | 683-44373-00 | SET PLATE, water tube | 1 | | 626-45577-00-05 | SHIM (0.5mm) | 1 U.R. |
| 23 | 97395-06010 | BOLT | 1 | 51 | 6E7-45571-00 | GEAR 2 (27T) | 1 |
| 24 | 683-44365-01 | DAMPER, water seal | 1 | 52 | 93306-00501 | BEARING (86005) | 1 |
| 25 | 6E7-44366-00 | DAMPER, water seal 2 | 1 | 53 | 93210-57M09 | O-RING | 1 |
| 26 | 669-45501-00 | DRIVE SHAFT COMP. (Short) | 1 U.R. | 54 | 683-45361-00-EJ | CAP, lower casing | 1 |
| | 669-45501-10 | DRIVE SHAFT COMP. (Long) | 1 U.R. | 55 | 97395-06020 | BOLT | 2 |
| 27 | 90280-03024 | KEY, woodruff | 1 | 56 | 92990-06600 | WASHER | 2 |
| 28 | 6E7-45331-00-9M | HOUSING, bearing | 1 | 57 | 93315-317U2 | BEARING, needle | 1 |
| 29 | 626-45316-09 | . BUSHING | 1 | 58 | 93101-17054 | OIL SEAL | 2 |
| 30 | 93606-12019 | PIN, dowel B | 2 | | | CHROME PUMP KIT | |
| 31 | 93101-20048 | OIL SEAL | 2 | 59 | 682-W0078-0A | CHROME PUMP KIT | 1 |
| 32 | 683-45315-00 | PACKING, lower casing | 1 | 60 | 682-44321-40 | . INNER PLATE, cartridge | 1 |
| 33 | 93604-08052 | PIN, dowel B | 1 | 61 | 682-44322-40 | . INSERT, cartridge | 1 |
| 34 | 93315-314V0 | BEARING, needle | 2 | 62 | 682-44323-40 | . OUTER PLATE, cartridge | 1 |
| 35 | 6E7-45536-00 | SLEEVE, drive shaft | 1 | 63 | 682-44352-01 | . IMPELLER | 1 |
| 36 | 93341-214U1 | BEARING, thrust needle | 1 | 64 | 682-45344-00 | . COVER, oil seal | 1 |

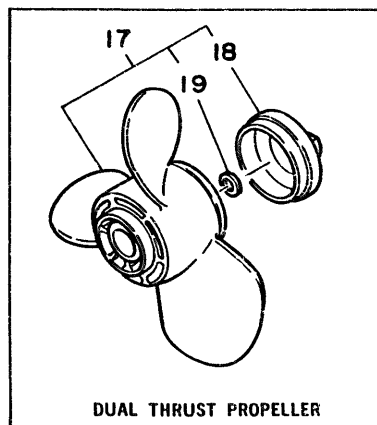
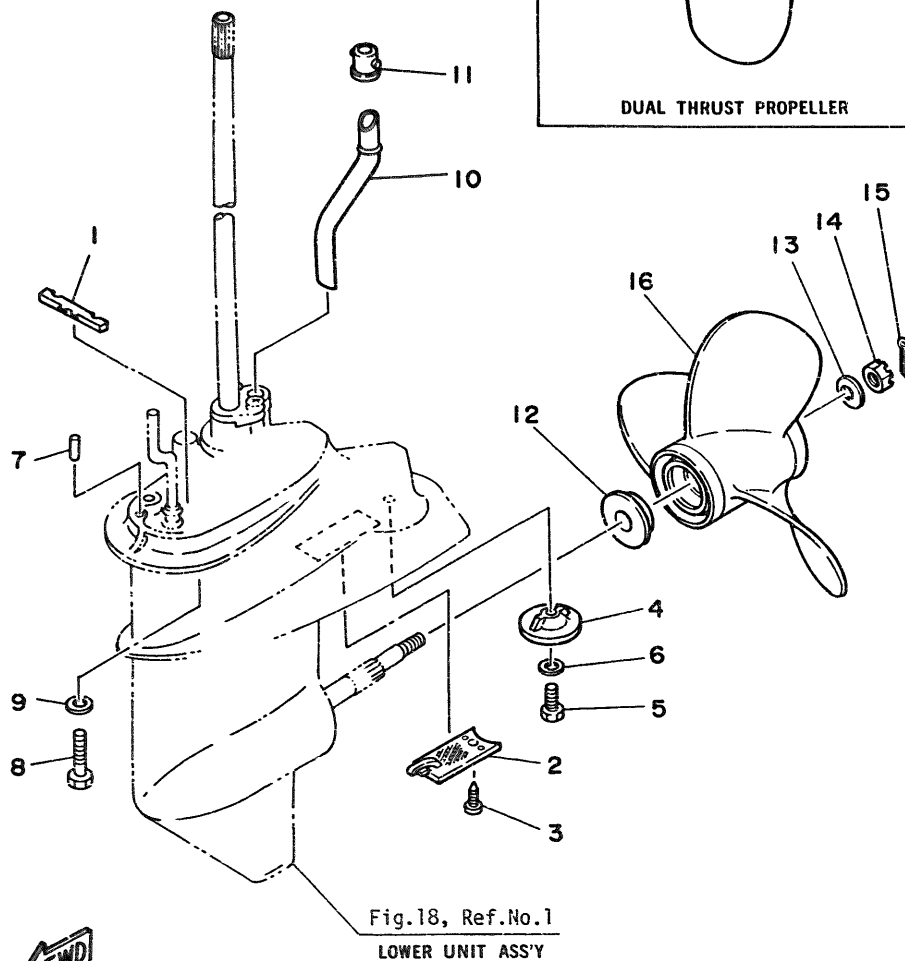


Fig. 19 LOWER & DRIVE 2

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|--------------|----------------------|--------|-----------------------|-----------------|---------------------------------|--------|
| 1 | 682-45375-01 | DAMPER, seal 2 | 1 | 14 | 90171-10M01 | NUT, castle | 1 |
| 2 | 6E7-45214-00 | COVER, water inlet 1 | 1 | 15 | 91490-30020 | PIN, cotter | 1 |
| 3 | 97890-05012 | SCREW, panhead | 1 | PROPELLER ASS'Y | | | |
| 4 | 683-45251-00 | ANODE | 1 | 16 | 683-45941-00-EL | PROPELLER ASS'Y 1 (3x9."x12"-J) | 1 U.R. |
| 5 | 97395-06016 | BOLT | 1 | | 683-45943-00-EL | PROPELLER ASS'Y 2 (3x9."x10"-J) | 1 U.R. |
| | | | | | 683-45945-00-EL | PROPELLER ASS'Y 3 (3x9."x9"-J) | 1 U.R. |
| 6 | 92990-06600 | WASHER | 1 | | 683-45947-00-EL | PROPELLER ASS'Y 4 (3x9."x8"-J) | 1 U.R. |
| 7 | 93606-12019 | PIN, dowel B | 2 | | 683-45949-00-EL | PROPELLER ASS'Y 5 (3x9."x6"-J) | 1 U.R. |
| 8 | 97375-08035 | BOLT | 4 | | 683-45952-00-EL | PROPELLER ASS'Y 6 (3x9."x9"-J) | 1 U.R. |
| 9 | 92990-06600 | WASHER | 4 | DUAL THRUST PROPELLER | | | |
| 10 | 6G9-44361-00 | TUBE, water (Short) | 1 U.R. | 17 | 683-W4591-01-EL | PROPELLER ASS'Y (3x9."x8"-J) | 1 U.R. |
| | 6G8-44361-10 | TUBE, water (Long) | 1 U.R. | | 683-W4592-01-EL | PROPELLER ASS'Y (3x9."x6"-J) | 1 U.R. |
| 11 | 626-44365-01 | DAMPER, water seal 1 | 1 | | | | |
| 12 | 683-45987-01 | SPACER 1 | 1 | 18 | 6E7-45616-00 | NUT, propeller | 1 |
| 13 | 90201-10M14 | WASHER | 1 | 19 | 90201-10M15 | WASHER | 1 |

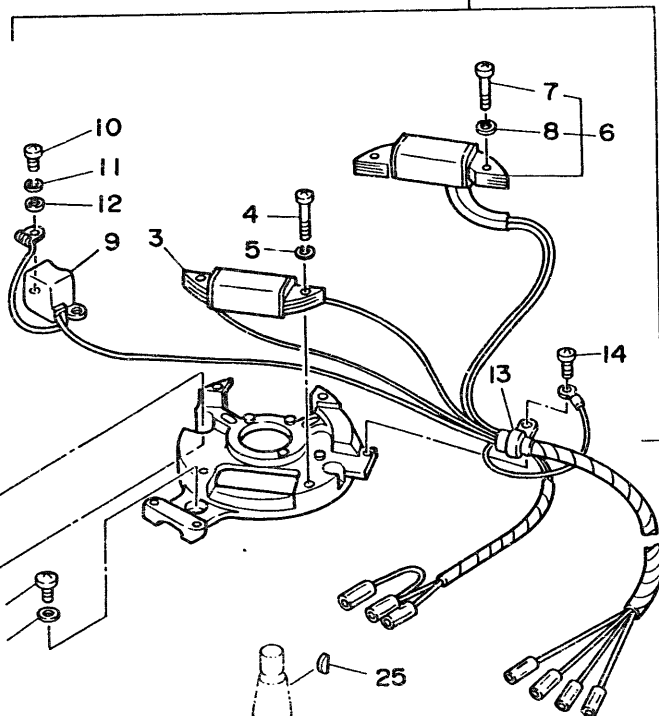
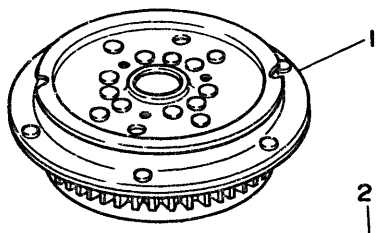
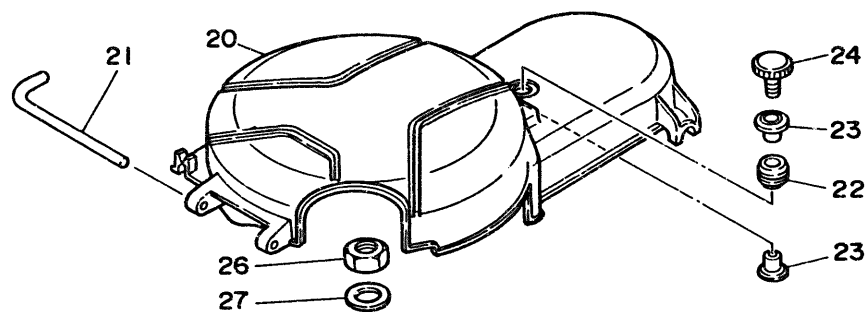


Fig.2, Ref.No.1

Fig. 20 C.D.I. MAGNETO

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|--------------|-----------------------|------|---------|--------------|-----------------|------|
| 1 | 668-85550-J0 | ROTOR ASS'Y | 1 | 15 | 97803-06025 | SCREW, panhead | 2 |
| 2 | 669-85560-F0 | BASE ASS'Y | 1 | 16 | 92903-06600 | WASHER | 2 |
| 3 | 668-85520-00 | . CHARGE COIL ASS'Y | 1 | 17 | 97803-06020 | SCREW, panhead | 1 |
| 4 | 97802-05025 | . SCREW | 2 | 18 | 92903-06600 | WASHER | 1 |
| 5 | 92902-05100 | . WASHER | 2 | 19 | 99510-08012 | PIN, dowel A | 2 |
| 6 | 669-81303-F0 | . LIGHTING COIL ASS'Y | 1 | 20 | 668-81337-00 | COVER, flywheel | 1 |
| 7 | 97802-05025 | . SCREW, panhead | 2 | 21 | 668-42752-00 | SHAFT | 1 |
| 8 | 92902-05100 | . WASHER | 2 | 22 | 90480-15M31 | GROMMET | 1 |
| 9 | 668-85580-00 | . PULSER ASS'Y | 1 | 23 | 90387-06M71 | COLLAR | 2 |
| 10 | 97803-05012 | . SCREW, panhead | 2 | 24 | 668-81323-00 | SCREW 1 | 1 |
| 11 | 92903-05100 | . WASHER | 2 | 25 | 90280-05013 | KEY, woodruff | 1 |
| 12 | 92903-05600 | . WASHER | 2 | 26 | 90170-12066 | NUT | 1 |
| 13 | 445-81328-20 | . CLAMP, lead | 1 | 27 | 90201-12472 | WASHER | 1 |
| 14 | 97802-04008 | . SCREW, panhead | 1 | | | | |

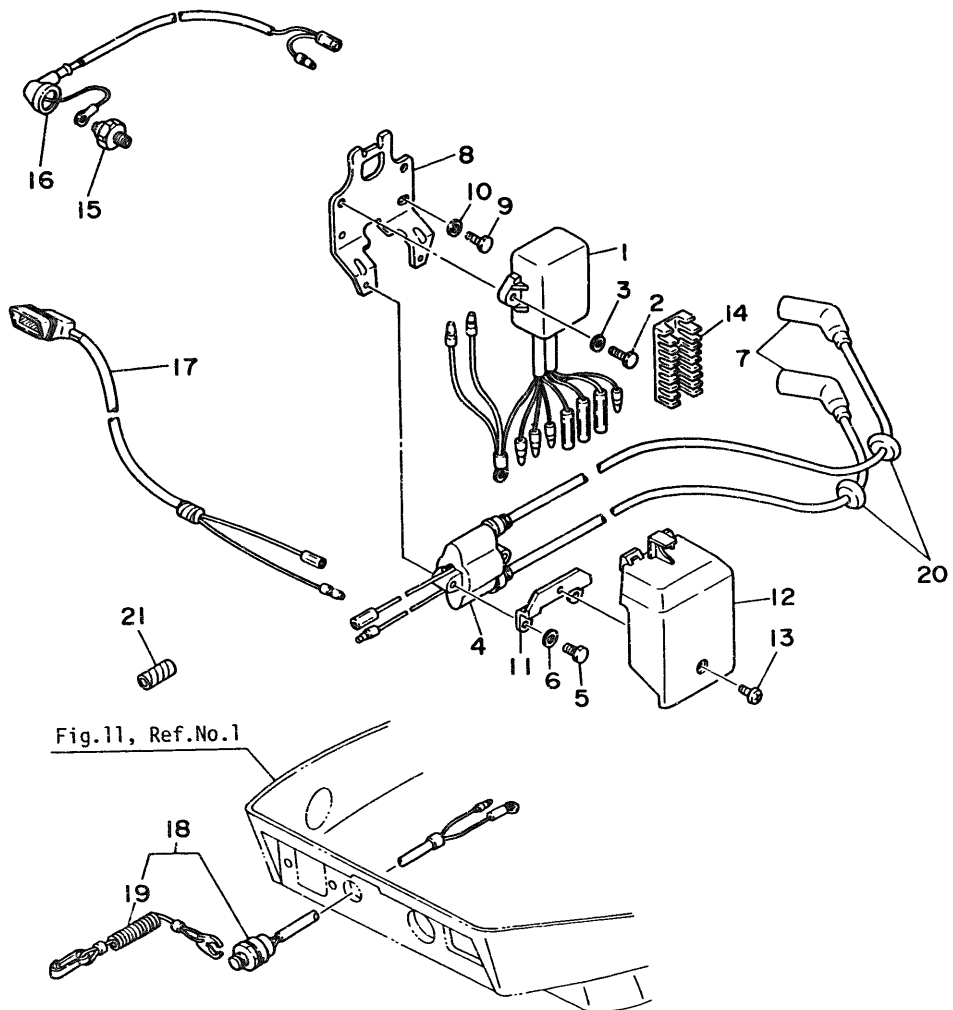
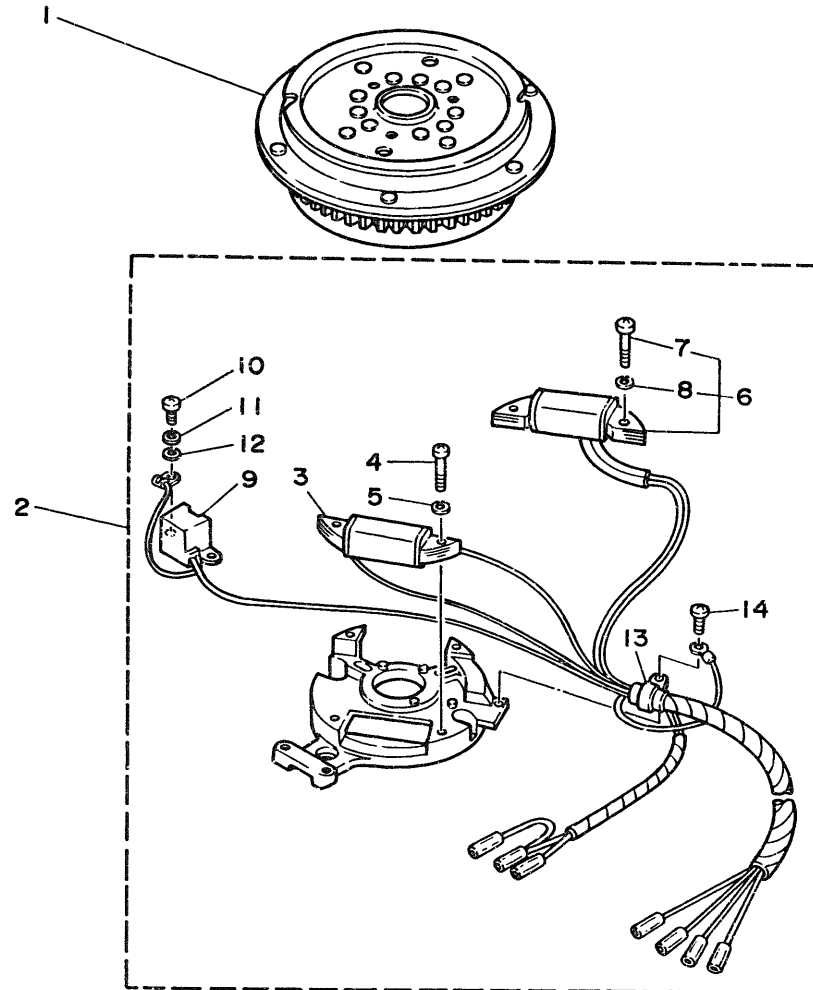


Fig. 21 ELECTRICAL

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|--------------|---------------------|------|---------|--------------|---------------------|------|
| 1 | 669-85540-20 | C.D.I. UNIT ASS'Y | 1 | 12 | 6G8-81916-00 | COVER, terminal | 1 |
| 2 | 97313-06025 | BOLT | 2 | 13 | 98903-06008 | SCREW | 1 |
| 3 | 92903-06600 | WASHER | 2 | 14 | 6G8-82522-00 | CLAMP | 1 |
| 4 | 6G8-85570-20 | IGNITION COIL ASS'Y | 1 | 15 | 6G8-82504-00 | OIL PRESSURE SWITCH | 1 |
| 5 | 97313-06020 | BOLT | 2 | 16 | 6G8-82127-00 | WIRE, lead 2 | 1 |
| 6 | 92903-06600 | WASHER | 2 | 17 | 6G8-83582-01 | PILOT LAMP ASS'Y | 1 |
| 7 | 6G8-82370-20 | PLUG CAP ASS'Y | 2 | 18 | 6G9-82575-00 | KILL SWITCH ASS'Y | 1 |
| 8 | 6G8-85542-00 | BRACKET | 1 | 19 | 682-82566-00 | . STOPPER ASS'Y | 1 |
| 9 | 97313-06020 | BOLT | 2 | 20 | 90480-25161 | GROMMET | 2 |
| 10 | 92903-06600 | WASHER | 2 | 21 | 90446-10M02 | TUBE | 1 |
| 11 | 6G8-85525-00 | PLATE | 1 | | | | |

Fig. 22 C.D.I. MAGNETO (F8BEM/F8BE/F9.9BEM/F9.9BE MODEL)

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|--------------|-----------------------|------|---------|--------------|------------------|------|
| 1 | 6G8-85550-K0 | ROTOR ASS'Y | 1 | 8 | 92902-05100 | . . WASHER | 2 |
| 2 | 6G9-85560-F0 | BASE ASS'Y | 1 | 9 | 6G8-85580-00 | . PULSER ASS'Y | 1 |
| 3 | 6G8-85520-00 | . CHARGE COIL ASS'Y | 1 | 10 | 97803-05012 | . SCREW, panhead | 2 |
| 4 | 97802-05025 | . SCREW, panhead | 2 | 11 | 92903-05100 | . WASHER | 2 |
| 5 | 92902-05100 | . WASHER | 2 | 12 | 92903-05600 | . WASHER | 2 |
| 6 | 6G9-81303-F0 | . LIGHTING COIL ASS'Y | 1 | 13 | 445-81328-20 | . CLAMP, lead | 1 |
| 7 | 97802-05025 | . . SCREW, panhead | 2 | 14 | 97802-04008 | . SCREW, panhead | 1 |



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Fig. 23 STARTING MOTOR (F8BEM/F8BE/F9.9BEM/F9.9BE MODEL)

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|--------------|----------------------|------|---------|-----------------|---------------------------|------|
| 1 | 668-81800-10 | STARTING MOTOR ASS'Y | 1 | 11 | 689-81807-12 | . PINION ASS'Y | 1 |
| 2 | 689-81850-11 | . ARMATURE ASS'Y | 1 | 12 | 689-81857-11 | . PINION STOPPER SET | 1 |
| 3 | 689-81809-11 | . WASHER KIT | 1 | 13 | 6F5-81830-11 | . FRONT COVER ASS'Y | 1 |
| 4 | 689-81810-11 | . STATOR ASS'Y | 1 | 14 | 689-81826-10 | . BOLT | 2 |
| 5 | 689-81847-11 | . O-RING | 2 | 15 | 97313-08025 | BOLT | 2 |
| 6 | 689-81811-11 | . BRUSH 1 | 1 | 16 | 92903-08600 | WASHER | 2 |
| 7 | 689-81840-11 | . BRUSH HOLDER ASS'Y | 1 | 17 | 97395-08016 | BOLT | 1 |
| 8 | 689-81812-11 | . BRUSH 2 | 1 | 18 | 92990-08600 | WASHER | 1 |
| 9 | 689-81813-10 | . SPRING, brush | 2 | 19 | 608-81822-40-94 | BRACKET, electric starter | 1 |
| 10 | 689-81820-11 | . REAR COVER ASS'Y | 1 | | | | |

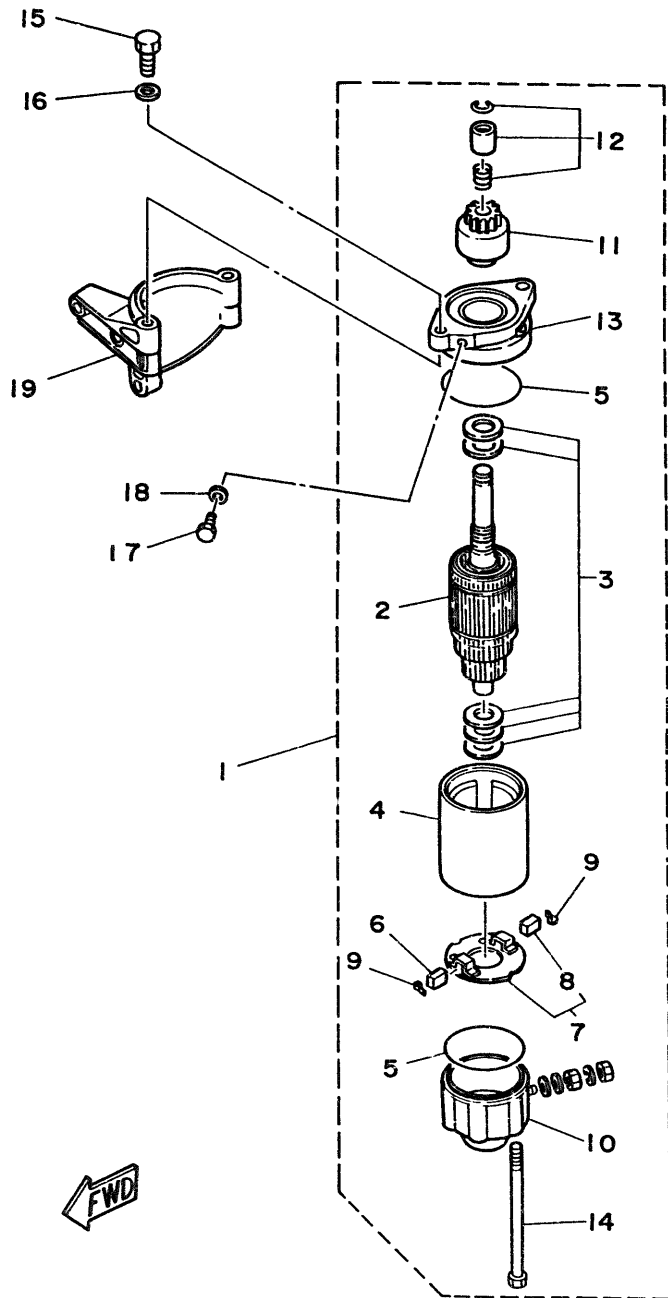
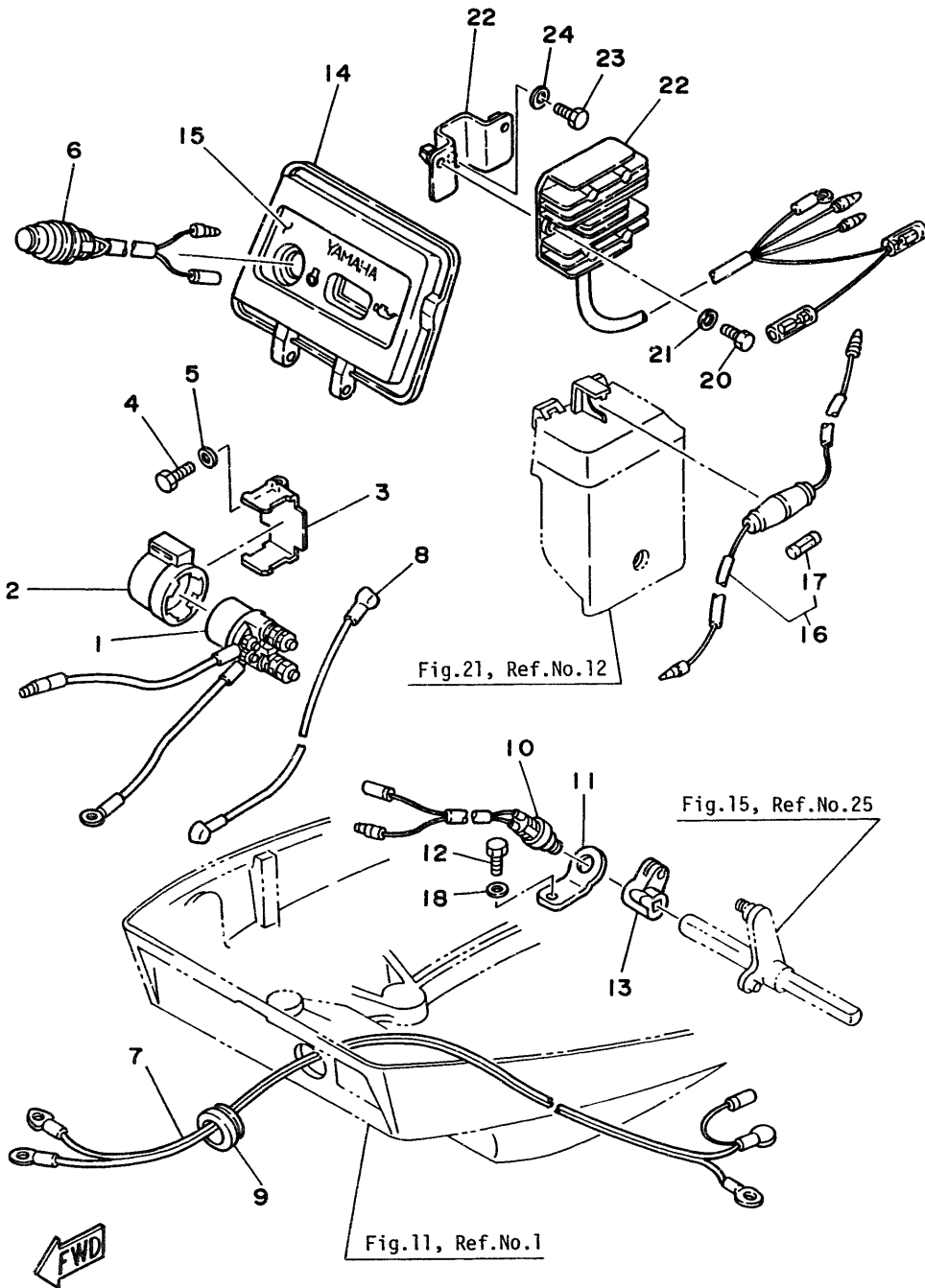


Fig. 24 ELECTRIC PARTS (F8BEM/F9.9BEM MODEL)

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|--------------|-----------------------|------|---------|--------------|-----------------------------|------|
| 1 | 6J0-81941-10 | STARTER RELAY | 1 | 13 | 6G8-44125-00 | LEVER, shift rod | 1 |
| 2 | 6G1-81952-00 | HOLDER, starter relay | 1 | 14 | 6G8-42614-11 | PANEL, front upper | 1 |
| 3 | 6G8-81953-00 | STAY, relay | 1 | 15 | 6G8-42677-10 | GRAPHIC, front | 1 |
| 4 | 97313-06012 | BOLT | 1 | 16 | 6G8-82150-00 | FUSE HOLDER ASS'Y | 1 |
| 5 | 92903-06600 | WASHER | 1 | 17 | 663-82151-00 | . FUSE (12V-20A) | 1 |
| 6 | 6G8-81870-00 | STARTING SWITCH ASS'Y | 1 | 18 | 92903-06600 | WASHER | 1 |
| 7 | 6G8-82105-00 | WIRE LEAD ASS'Y | 1 | 19 | 6G8-81960-A0 | RECTIFIER & REGULATOR ASS'Y | 1 |
| 8 | 6G8-82117-00 | WIRE, lead | 1 | 20 | 97313-06016 | BOLT | 2 |
| 9 | 6G8-42724-40 | GROMMET | 1 | 21 | 92903-06600 | WASHER | 2 |
| 10 | 6H3-82540-00 | NEUTRAL SWITCH ASS'Y | 1 | 22 | 6G8-81948-00 | BRACKET | 1 |
| 11 | 6G8-82554-00 | STAY, neutral switch | 1 | 23 | 97313-06016 | BOLT | 1 |
| 12 | 97313-06012 | BOLT | 1 | 24 | 92903-06600 | WASHER | 1 |



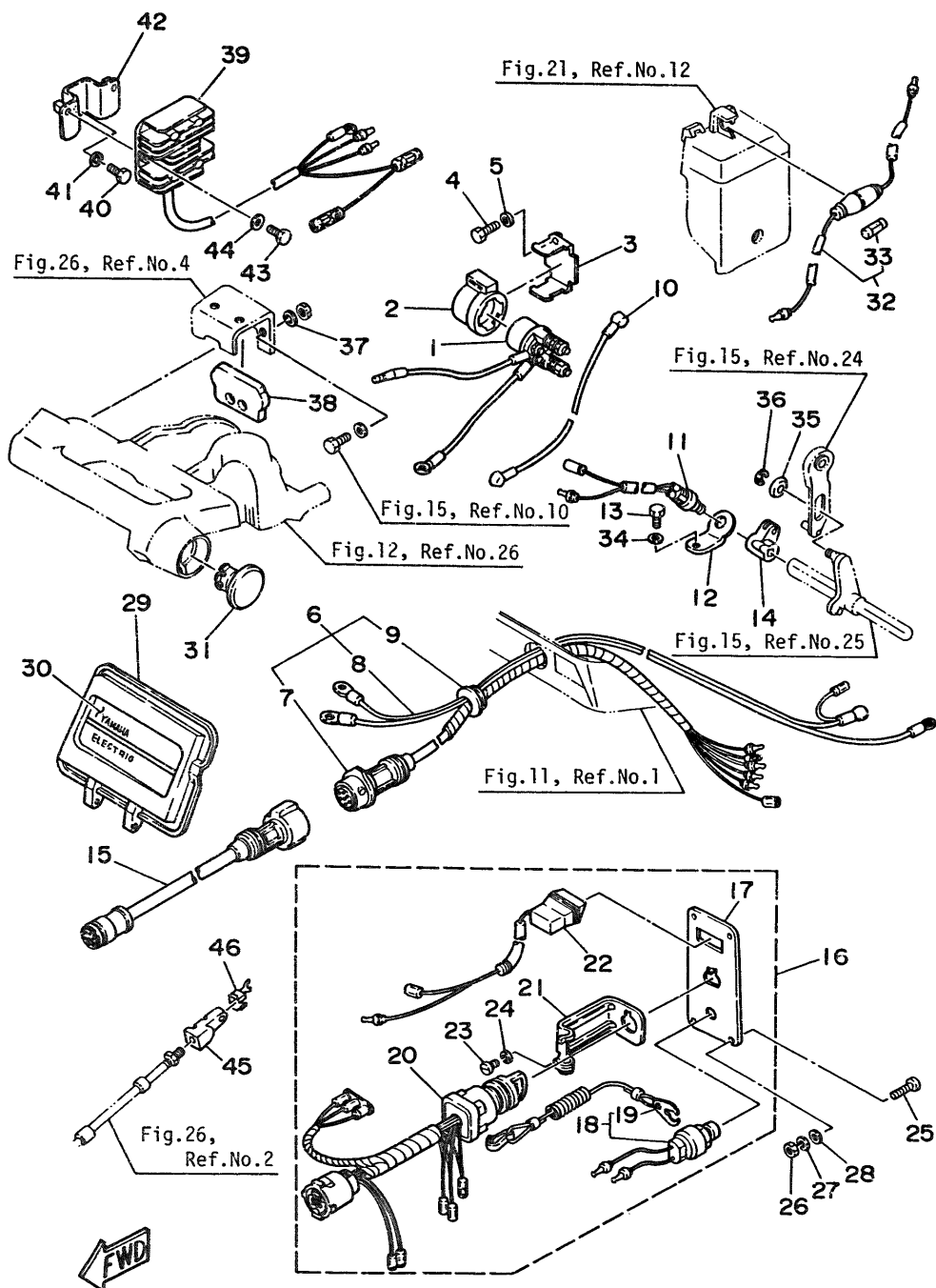


Fig. 25 ELECTRIC PARTS (F8BE/F9.9BE MODEL)

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|--------------|-------------------------|------|---------|--------------|-----------------------------|------|
| 1 | 6J0-81941-10 | STARTER RELAY | 1 | 24 | 92903-04100 | . WASHER | 1 |
| 2 | 6G1-81952-00 | HOLDER, starter relay | 1 | 25 | 90149-05M05 | SCREW, blind | 4 |
| 3 | 6G8-81953-00 | STAY, relay | 1 | 26 | 95300-05600 | NUT | 4 |
| 4 | 97313-06012 | BOLT | 1 | 27 | 92990-05100 | WASHER | 4 |
| 5 | 92903-06600 | WASHER | 1 | 28 | 92990-05600 | WASHER | 4 |
| 6 | 6G8-82580-00 | WIRE HARNESS ASS'Y | 1 | 29 | 6G8-42614-11 | PANEL, front upper | 1 |
| 7 | 6G8-82590-00 | . WIRE HARNESS ASS'Y | 1 | 30 | 6G8-42677-20 | GRAPHIC, front | 1 |
| 8 | 6G8-82105-00 | . WIRE, lead | 1 | 31 | 6G8-42551-00 | GROMMET 1 | 1 |
| 9 | 6G8-42724-50 | . GROMMET | 1 | 32 | 6G8-82150-00 | FUSE HOLDER ASS'Y | 1 |
| 10 | 6G8-82117-00 | WIRE, lead | 1 | 33 | 663-82151-00 | . FUSE (12V-20A) | 1 |
| 11 | 6H3-82540-00 | NEUTRAL SWITCH ASS'Y | 1 | 34 | 92903-06600 | WASHER | 1 |
| 12 | 6G8-82554-00 | STAY, neutral switch | 1 | 35 | 90387-06M73 | COLLAR | 1 |
| 13 | 97313-06012 | BOLT | 1 | 36 | 93430-04M03 | CIRCLIP | 1 |
| 14 | 6G8-44125-00 | LEVER, shift rod | 1 | 37 | 92980-06600 | WASHER, plain | 2 |
| 15 | 688-82586-50 | EXTENSION, wire harness | 1 | 38 | 6G8 48351-50 | SEAL, rubber | 1 |
| 16 | 6G8-82570-02 | SWITCH PANEL ASS'Y | 1 | 39 | 6G8-81960-A0 | RECTIFIER & REGULATOR ASS'Y | 1 |
| 17 | 6G8-82571-01 | . PANCL, switch | 1 | 40 | 97313-06016 | BOLT | 2 |
| 18 | 688-82575-01 | . KILL SWITCH ASS'Y | 1 | 41 | 92903-06600 | WASHER | 2 |
| 19 | 682-82556-00 | . . STOPPER ASS'Y | 1 | 42 | 6G8-81948-00 | BRACKET | 1 |
| 20 | 6G8-82510-00 | . MAIN SWITCH ASS'Y | 1 | 43 | 97313-06016 | BOLT | 1 |
| 21 | 663-82581-01 | . STAY, cord clamp | 1 | 44 | 92903-06600 | WASHER | 1 |
| 22 | 6G8-83582-01 | . PILOT LAMP ASS'Y | 1 | 45 | 6G8-26363-00 | END, wire 1 | 1 |
| 23 | 98903-04008 | . SCREW, cylinder head | 1 | 46 | 6G8-26364-00 | END, wire 2 | 1 |

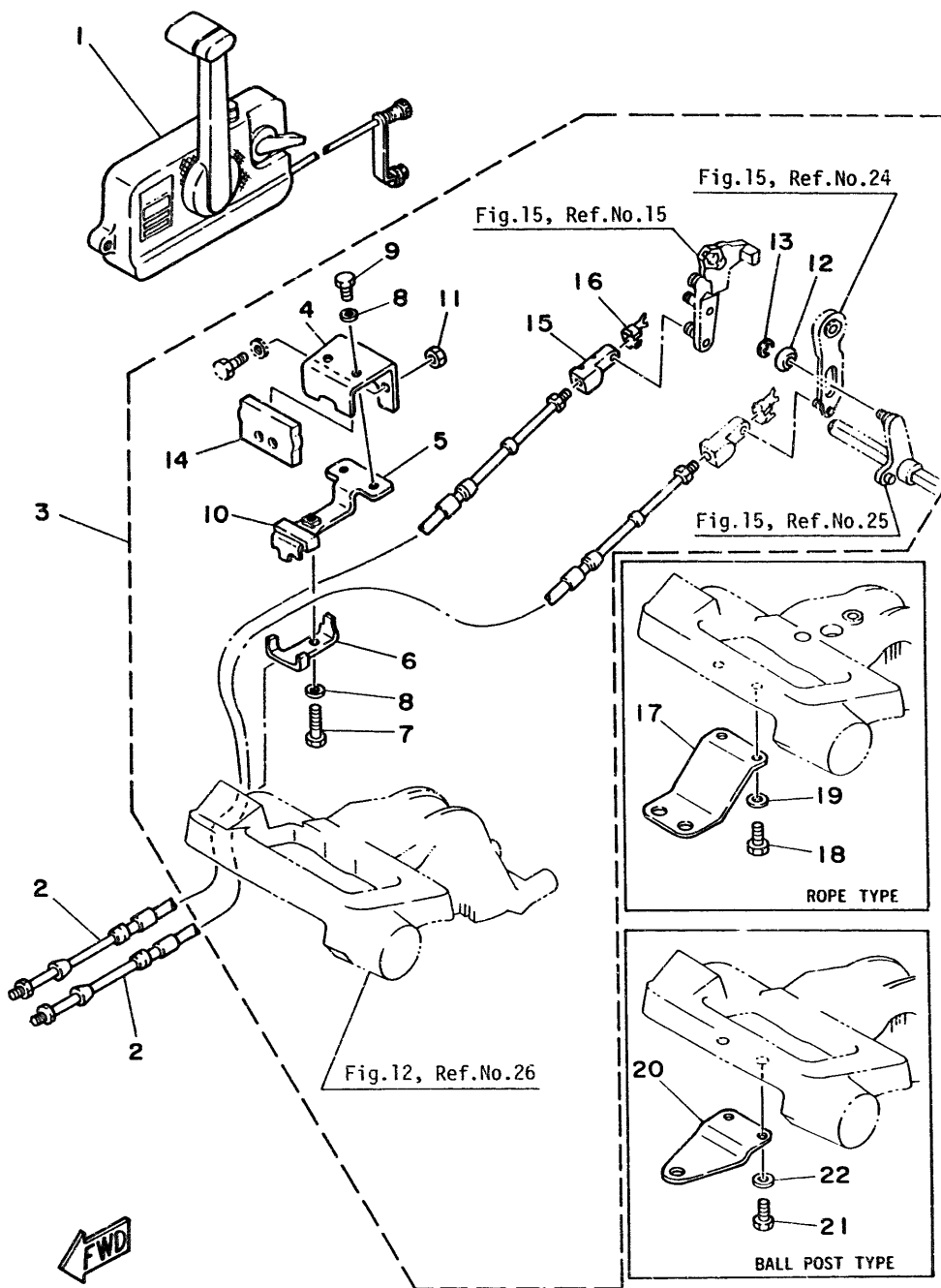
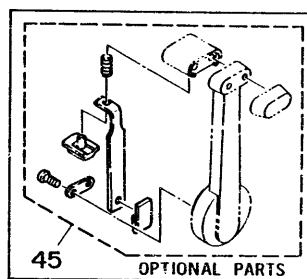
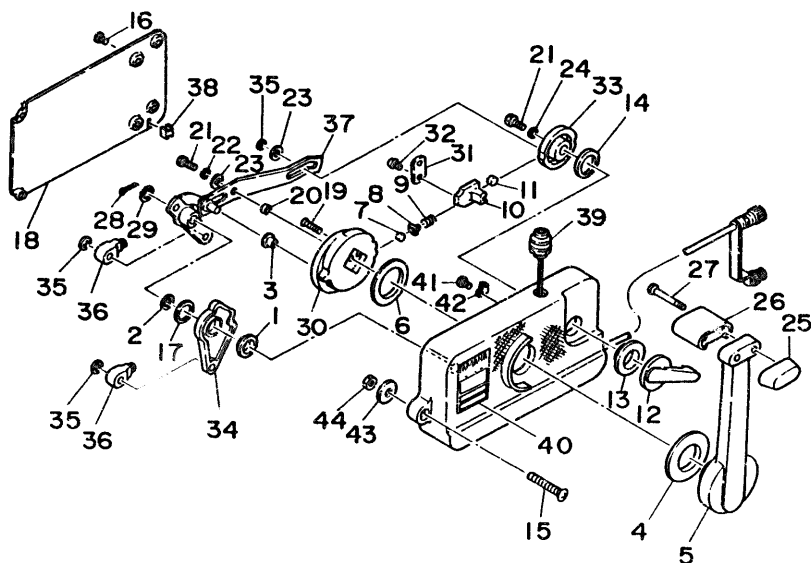


Fig. 26 REMOTE CONTROL

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|--------------|---|--------|---------|--------------|---------------------------------|--------|
| 1 | 701-48101-10 | REMOTE CONTROL ASS'Y 1 (See Fig. 27) | 1 | 3 | 6G8-48501-02 | ATTACHMENT KIT | 1 |
| 2 | 701-48310-10 | CABLE, remote control 6F | 2 U.R. | 4 | 6G8-48531-50 | . BRACKET, remote control 1 | 1 |
| | 701-48310-20 | CABLE, remote control 7F | 2 U.R. | 5 | 6G8-48532-50 | . BRACKET, remote control 2 | 1 |
| | 701-48310-40 | CABLE, remote control 8F | 2 U.R. | 6 | 6G8-48538-50 | . CLAMP, cable | 1 |
| | 701-48310-60 | CABLE, remote control 9F | 2 U.R. | 7 | 97395-06030 | . BOLT | 1 |
| | 701-48310-80 | CABLE, remote control 10F | 2 U.R. | 8 | 92990-06600 | . WASHER | 3 |
| | 701-48310-90 | CABLE, remote control 11F | 2 U.R. | 9 | 97395-06012 | . BOLT | 2 |
| | 701-48320-00 | CABLE, remote control 12F | 2 U.R. | 10 | 6G8-48565-50 | . GROHMET | 1 |
| | 701-48320-20 | CABLE, remote control 13F | 2 U.R. | 11 | 95380-06700 | . NUT | 2 |
| | 701-48320-30 | CABLE, remote control 14F | 2 U.R. | 12 | 90387-06M73 | . COLLAR | 1 |
| | 701-48320-50 | CABLE, remote control 15F | 2 U.R. | 13 | 93430-04M03 | . CIRCLIP | 1 |
| | 701-48320-60 | CABLE, remote control 16F | 2 U.R. | 14 | 6G8-48351-50 | . SEAL, rubber | 1 |
| | 701-48320-80 | CABLE, remote control 17F | 2 U.R. | 15 | 6G8-26363-00 | . END, wire 1 | 1 |
| | 701-48320-90 | CABLE, remote control 18F | 2 U.R. | 16 | 6G8-26364-00 | . END, wire 2 | 1 |
| | 701-48320-40 | CABLE, remote control 19F | 2 U.R. | 17 | 6G8-48511-00 | HOOK, steering (Rope Type) | 1 A.P. |
| | 701-48320-70 | CABLE, remote control 20F | 2 U.R. | 18 | 97395-06016 | BOLT | 2 |
| | 701-48350-00 | CABLE, remote control 21F | 2 U.R. | 19 | 92990-06600 | WASHER | 2 |
| | 701-48350-10 | CABLE, remote control 22F | 2 U.R. | 20 | 6G8-48511-10 | HOOK, steering (Ball Post Type) | 1 A.P. |
| | 701-48350-20 | CABLE, remote control 23F | 2 U.R. | 21 | 97395-06016 | BOLT | 2 |
| | | | | 22 | 92990-06600 | WASHER | 2 |

Fig. 27 REMOTE CONTROL ASS'Y

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|--------------|---|------|---------|--------------|-------------------------------|--------|
| | 701-48101-10 | REMOTE CONTROL ASS'Y 1 (See Fig. 26, Ref. No. 1) | 1 | 23 | 701-48246-00 | . SPACER 1 | 2 |
| 1 | 701-48235-00 | . BUSHING 2 | 1 | 24 | 92990-06300 | . WASHER, internal tooth | 1 |
| 2 | 701-48197-10 | . WASHER, wave 2 | 1 | 25 | 701-48229-00 | . GRIP, control lever 2 | 1 |
| 3 | 701-48252-00 | . ROLLER, cam | 1 | 26 | 701-48222-00 | . GRIP, control lever 1 | 1 |
| 4 | 701-48234-00 | . BUSHING 1 | 1 | 27 | 701-48282-00 | . SCREW 2 (M5X50mm) | 2 |
| 5 | 701-48221-00 | . LEVER, control | 1 | 28 | 701-48239-00 | . SET PIN, plate | 1 |
| 6 | 701-48196-11 | . WASHER, wave 1 | 1 | 29 | 701-48266-00 | . SPACER 2 | 1 |
| 7 | 701-48236-00 | . ROLLER, detent | 1 | 30 | 701-48232-00 | . GEAR 1 | 1 |
| 8 | 702-48237-00 | . ADAPTOR | 1 | 31 | 701-48189-11 | . RETAINER | 1 |
| 9 | 702-48238-00 | . SPRING, detent | 1 | 32 | 98580-05010 | . SCREW, panhead | 2 |
| 10 | 701-48249-00 | . ADAPTOR, spring | 1 | 33 | 701-48153-12 | . SHAFT, free accel. | 1 |
| 11 | 701-48248-00 | . ROLLER, free accel. | 1 | 34 | 701-48271-00 | . ARM, shift | 1 |
| 12 | 701-48152-11 | . KNOB, free accel. | 1 | 35 | 93430-06024 | . CIRCLIP | 3 |
| 13 | 701-48243-00 | . BUSHING 3 | 1 | 36 | 701-48345-30 | . CABLE END, remote control 2 | 2 |
| 14 | 701-48198-10 | . WASHER, wave 3 | 1 | 37 | 701-48261-00 | . ARM, throttle | 1 |
| 15 | 701-48281-00 | . SCREW 1 | 3 | 38 | 701-48358-00 | . ANCHOR, cable 2 | 1 |
| 16 | 701-48289-00 | . SCREW 4 | 4 | 39 | 701-82550-50 | . STOP SWITCH ASS'Y | 1 |
| 17 | 701-48268-00 | . SPACER 3 | 1 | 40 | 701-48126-00 | . GRAPHIC | 1 |
| 18 | 701-48213-00 | . BACK PLATE | 1 | 41 | 701-48283-00 | . SCREW 3 (MAX10mm) | 1 |
| 19 | 92780-06025 | . SCREW, flathead | 2 | 42 | 701-82594-00 | . CLAMP | 1 |
| 20 | 701-48255-00 | . COLLAR 1 | 1 | 43 | 701-48287-00 | . WASHER | 3 |
| 21 | 97396-06018 | . BOLT | 2 | 44 | 95380-06600 | . NUT | 3 |
| 22 | 702-48288-00 | . WASHER, plain | 1 | 45 | 701-48280-00 | NEUTRAL LOCK KIT | 1 A.P. |



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Fig. 28 OPTIONAL PARTS

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|-------------------------|--------------|----------------------|------|-------------------------|--------------|--|------|
| STOP SWITCH (5m) | | | | KILL SWITCH (5m) | | | |
| 1 | 689-82550-11 | STOP SWITCH ASS'Y | 1 | 3 | 689-82575-12 | KILL SWITCH ASS'Y | 1 |
| 2 | 6A0-82553-20 | EXTENSION, wire lead | 1 | 4 | 682-82556-00 | STOPPER ASS'Y | 1 |
| | | | | 5 | 6A0-82553-20 | EXTENSION, wire lead | 1 |
| | | | | 6 | 689-82553-10 | EXTENSION, wire lead (2m) (For Stop Switch) | 1 |

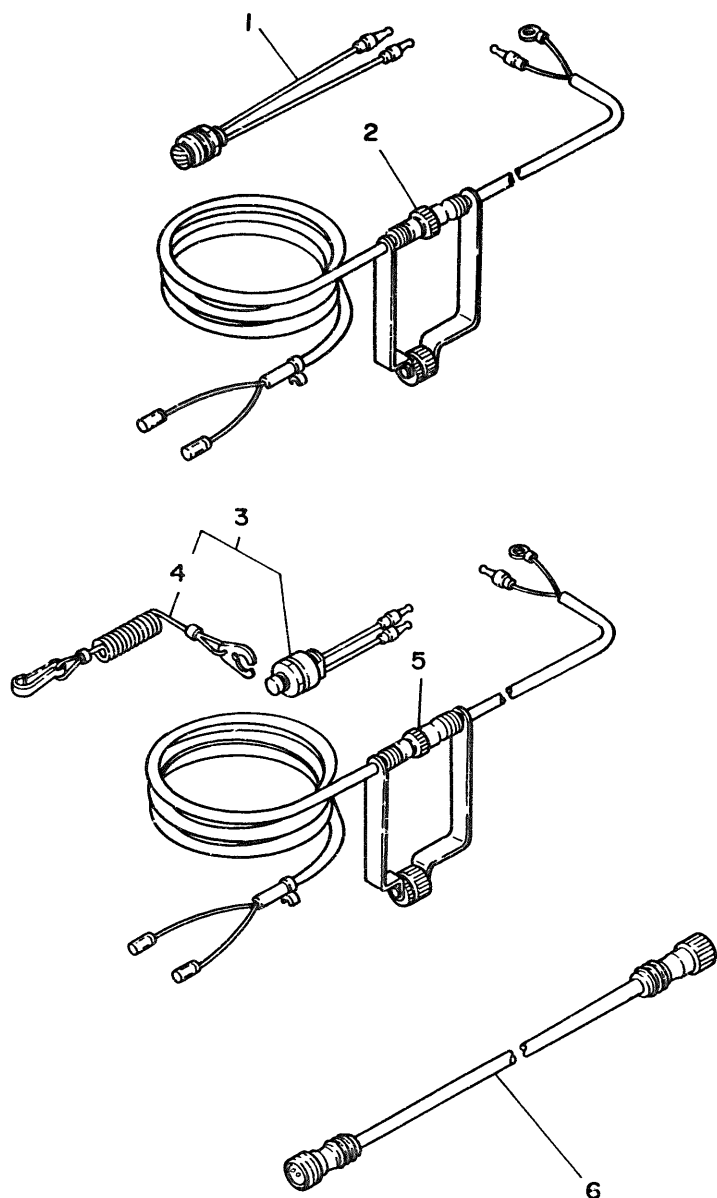
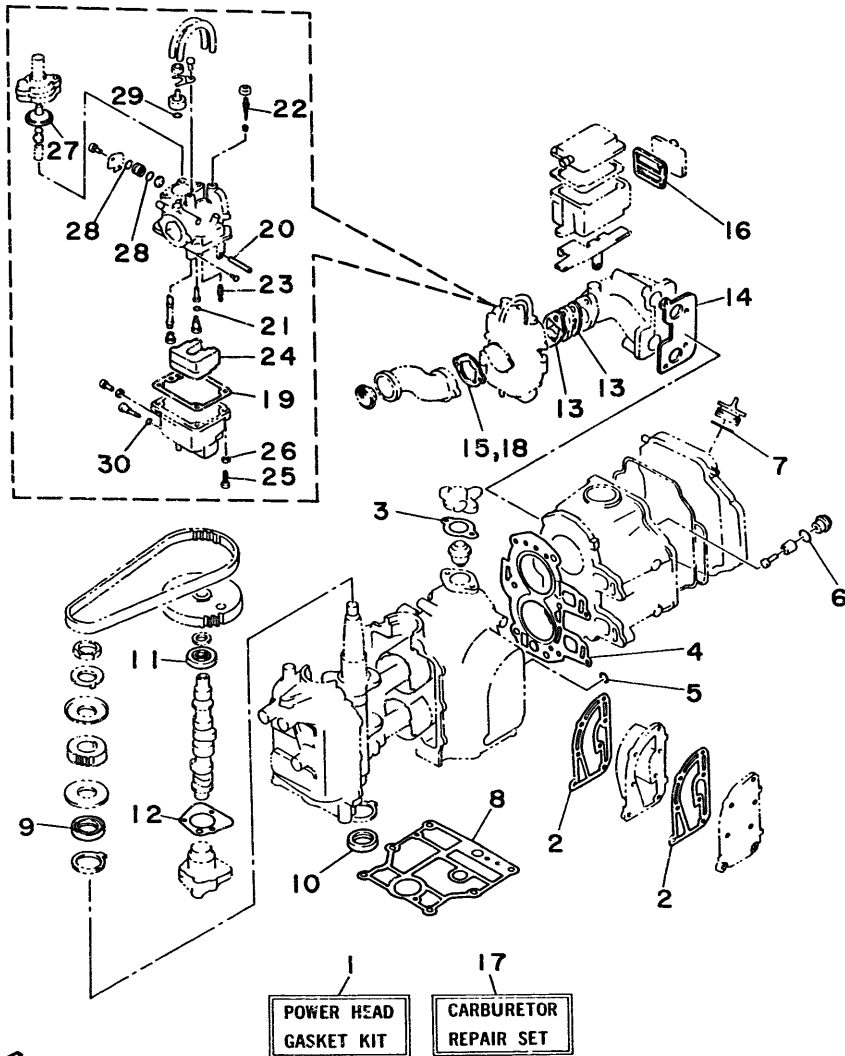


Fig. 29 REPAIR KIT 1

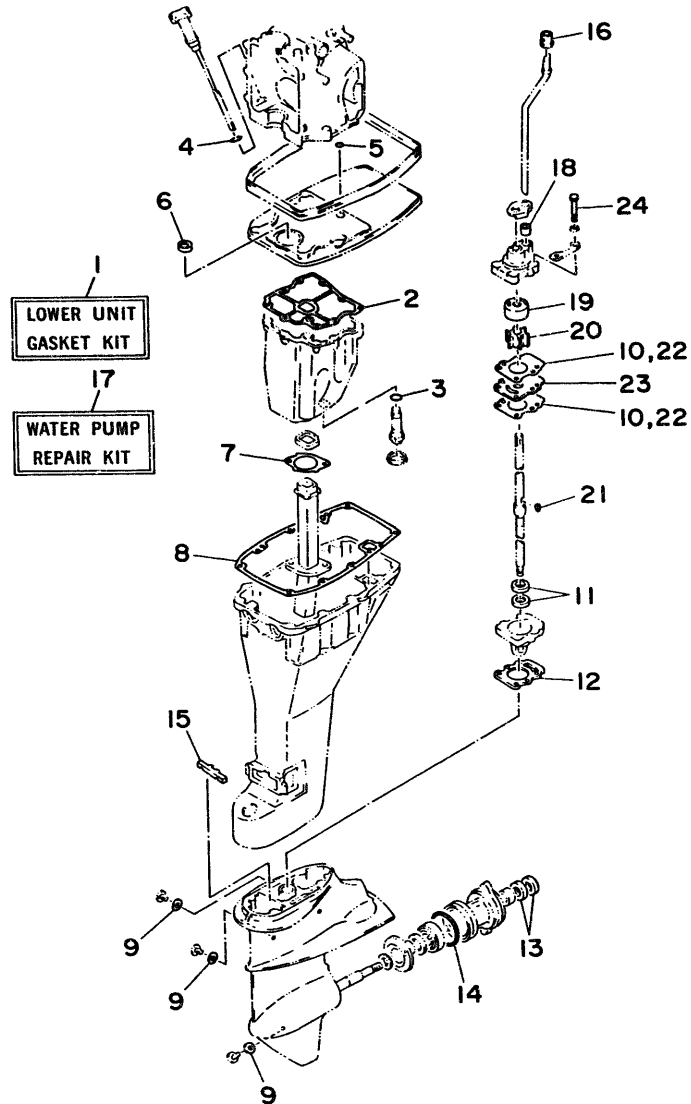
| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|--------------|-------------------------------|------|---------|--------------|-------------------------|------|
| 1 | 6G8-W0001-00 | POWER HEAD GASKET KIT | 1 | 16 | 6G8-15374-00 | . GASKET, breather | 1 |
| 2 | 6G8-41112-00 | . GASKET, exhaust inner cover | 2 | 17 | 6G8-W0093-00 | CARBURETOR REPAIR SET | 1 |
| 3 | 6G8-12414-00 | . GASKET, cover | 1 | 18 | 6G8-14198-00 | . GASKET | 1 |
| 4 | 6G8-11181-00 | . GASKET, cylinder head | 1 | 19 | 6G8-14384-00 | . GASKET, float chamber | 1 |
| 5 | 93210-11M59 | . O-RING | 1 | 20 | 647-14386-00 | . PIN, float | 1 |
| 6 | 93210-13M63 | . O-RING | 1 | 21 | 654-14198-00 | . GASKET | 1 |
| 7 | 93210-24M79 | . O-RING | 1 | 22 | 6G8-14323-00 | . SCREW, air adjusting | 1 |
| 8 | 6G8-11351-00 | . GASKET, cylinder | 1 | 23 | 6G8-14392-00 | . VALVE, needle | 1 |
| 9 | 93102-30M22 | . OIL SEAL | 1 | 24 | 6G8-14385-00 | . FLOAT ASS'Y | 1 |
| 10 | 93101-25M24 | . OIL SEAL | 1 | 25 | 97803-04016 | . SCREW | 4 |
| 11 | 93102-18M21 | . OIL SEAL | 1 | 26 | 92903-04100 | . WASHER | 4 |
| 12 | 6G8-13329-00 | . GASKET, pump | 1 | 27 | 33A-14369-00 | . DIAPHRAGM | 1 |
| 13 | 6G8-13646-00 | . GASKET, intake manifold 2 | 2 | 28 | 1J2-14397-00 | . O-RING | 2 |
| 14 | 6G8-13645-00 | . GASKET, intake manifold 1 | 1 | 29 | 5H0-14397-00 | . O-RING | 1 |
| 15 | 6G8-14198-00 | . GASKET | 1 | 30 | 5Y1-14397-00 | . O-RING | 1 |



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Fig. 30 REPAIR KIT 2

| Ref.No. | Parts No. | Description | Q'ty | Ref.No. | Parts No. | Description | Q'ty |
|---------|--------------|----------------------------|------|---------|--------------|--------------------------|------|
| 1 | 6G9-W0001-21 | LOWER UNIT GASKET KIT | 1 | 13 | 93101-17054 | . OIL SEAL | 2 |
| 2 | 6G8-15312-01 | . GASKET, oil pan | 1 | 14 | 93210-57M09 | . O-RING | 1 |
| 3 | 93210-16M64 | . O-RING | 1 | 15 | 682-45375-01 | . DAMPER, seal 2 | 1 |
| 4 | 93210-13M63 | . O-RING | 1 | 16 | 626-44365-01 | . DAMPER, water seal 1 | 1 |
| 5 | 93210-08M60 | . O-RING | 1 | 17 | 682-W0078-00 | WATER PUMP REPAIR KIT | 1 |
| 6 | 93101-13M27 | . OIL SEAL | 1 | 18 | 682-44365-00 | . WATER SEAL 1 | 1 |
| 7 | 6G8-41133-00 | . GASKET, exhaust manifold | 1 | 19 | 682-44322-00 | . INSERT, cartridge | 1 |
| 8 | 6G8-45113-00 | . GASKET, upper casing | 1 | 20 | 682-44352-01 | . IMPELLER | 1 |
| 9 | 90430-08020 | . GASKET | 3 | 21 | 90280-03024 | . KEY, woodruff | 1 |
| 10 | 682-44315-00 | . GASKET, water pump 2 | 2 | 22 | 682-44315-00 | . GASKET, water pump 2 | 2 |
| 11 | 93101-20048 | . OIL SEAL | 2 | 23 | 682-44323-00 | . OUTER PLATE, cartridge | 1 |
| 12 | 683-45315-00 | . PACKING, lower casing | 1 | 24 | 97395-06045 | . BOLT | 4 |



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