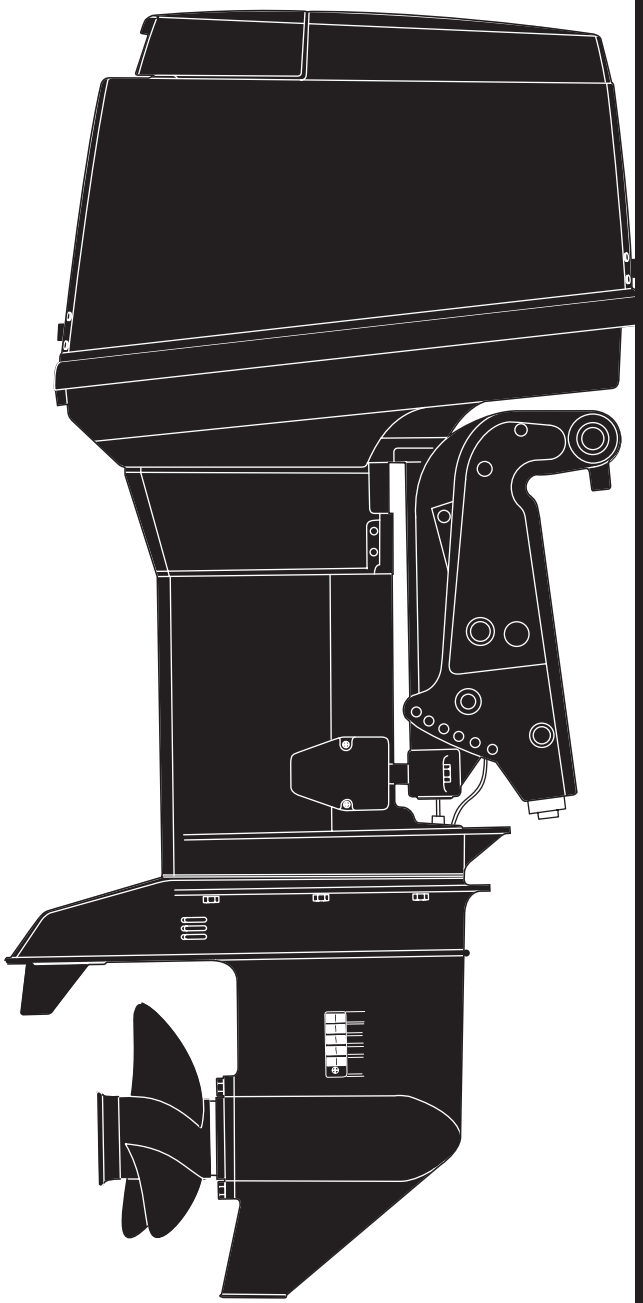
2013 PARTS CATALOG

TOHATSU



M 90A2

Serial Number 000001AC~

OB NO.002-21031-6
1301

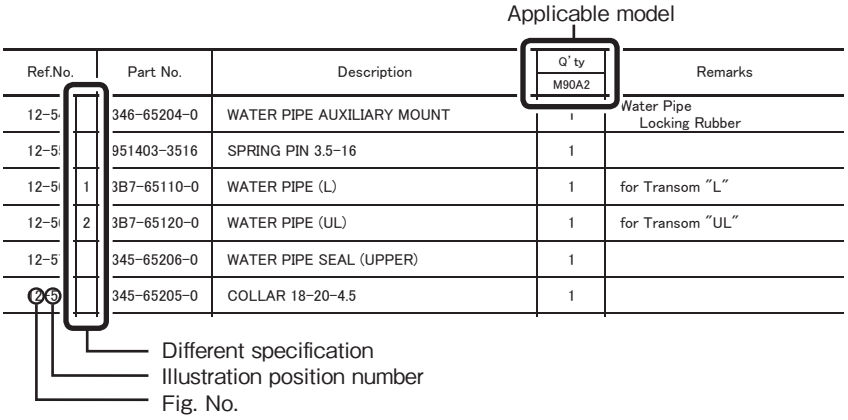
HOW TO USE THIS PARTS CATALOG

1. This Parts Catalog provides information available as of the end of January, 2013.

2. Please keep the Parts Catalog updated each time when receiving the Service Bulletin describing the addition, abolition and/or change of parts.

3. Actual shapes of parts may be different from the illustrations shown in this Parts Catalog because they are described only as a guide for searching parts.

4. One illustration is given more than one article number. Please confirm the sub-number, applicable model and remarks before ordering parts.



5. Given mark in (∗) to part number shows assembly or kit part.

6. Marks in this Parts Catalog show.

STD	: Standard	OPT	: Optional Parts
O/S	: Over size	ASSY	: Assembly
DO	: Domestic Model	EX	: Export Model
A	: As required	EU	: European Union

7. Attention to order
   Please order painted parts in accordance with following.
   The parts that fourth figure of the parts number is (B), (Q) have painted.
   Present coloring of power head is black (B) and lower unit is aqua marine blue (Q).
   [Example]

ENGINE SHORT BLOCK KIT	LOWER UNIT ASSY (L)
3MRB87090-0	3B7Q87302-A
B: Black	Q: Aquamarine Blue

8. About dimensional identification of bolts, nuts and washers.
   BOLT 916129 - 1065
   Length below neck
   Diameter
   NUTS & WASHERS 940103 - 0800
   Diameter

9. Hose, that is a standard part, is replaced with long hose.

HOSE 98AL - 40 - 280

Length

Diameter

HOSE/PIPE

Fig No		Part No.	Description	Bulk part No.	Bulk part	
					Inner Diameter (mm)	Length (m)
1-46		98AL-40-280	HOSE	98AL-401000	4	1
1-47		98AL-40-325	HOSE	98AL-401000	4	1
1-48		98AL-40-420	HOSE	98AL-401000	4	1
1-49		98AL-40-440	HOSE	98AL-401000	4	1
3-3		98AB-70-080	HOSE	98AB-701000	7	1
3-4		98AB-70-180	HOSE	98AB-701000	7	1
4-48		98AB-50-100	HOSE	98AB-501000	5	1
5-18		98AB-50-270	HOSE	98AB-501000	5	1
5-19		98AB-50-150	HOSE	98AB-501000	5	1
5-20		98AB-50-440	HOSE	98AB-501000	5	1
9-47		98AB-70-250	HOSE	98AB-701000	7	1
10-9		99AA-4-0480	PIPE	99AA-4-1000	4	1
10-36		99AA-6-0540	PIPE	99AA-6-1000	6	1
10-37		99AA-6-0735	PIPE	99AA-6-1000	6	1
12-51	1	98AL-40-800	HOSE	98AL-401000	4	1
12-51	2	98AL-40-920	HOSE	98AL-401000	4	1
16-3		98AB-50-450	HOSE	98AB-501000	5	1
16-30		98AB-50-380	HOSE	98AB-501000	5	1
19-6		98AB-70-700	HOSE	98AB-701000	7	1

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Fig. 1 CYLINDER • CRANK CASE

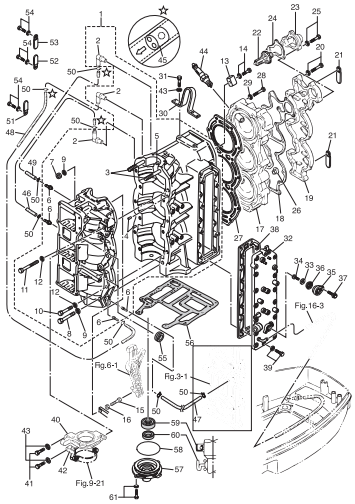


Fig. 2 PISTON • CRANK SHAFT

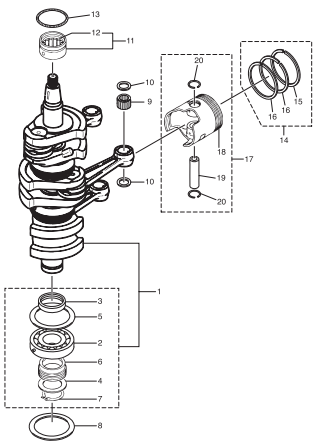


Fig. 3 INTAKE MANIFOLD • REED VALVE

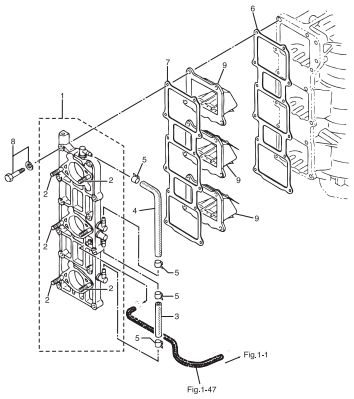


Fig. 4 INTAKE SILENCER • CARBURETOR

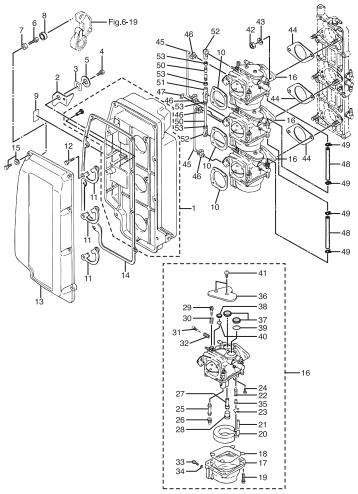


Fig. 5 FUEL LINE

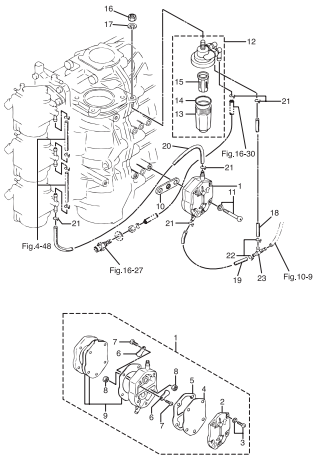


Fig. 6 THROTTLE

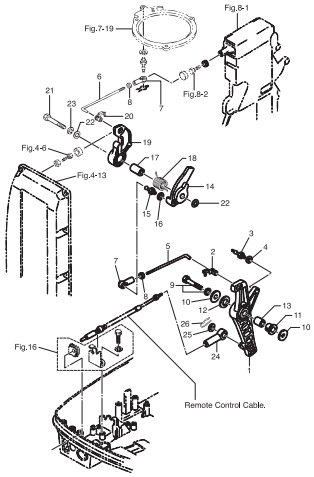


Fig. 7 MAGNETO

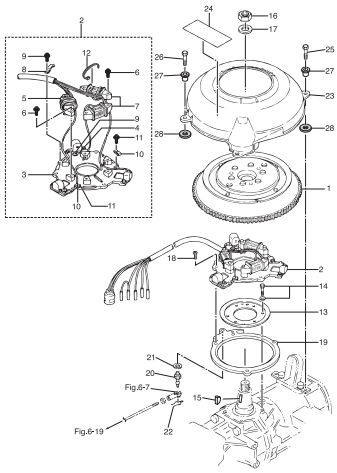


Fig. 8 ELECTRIC PARTS (C.D. UNIT)

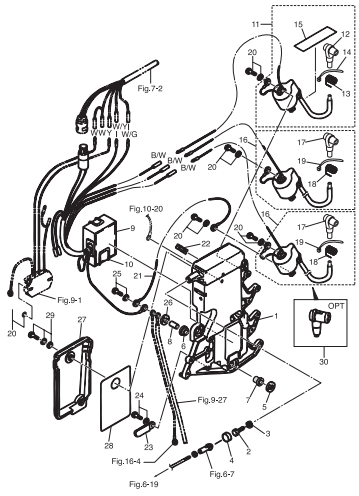


Fig. 9 ELECTRIC PARTS (STARTER MOTOR)

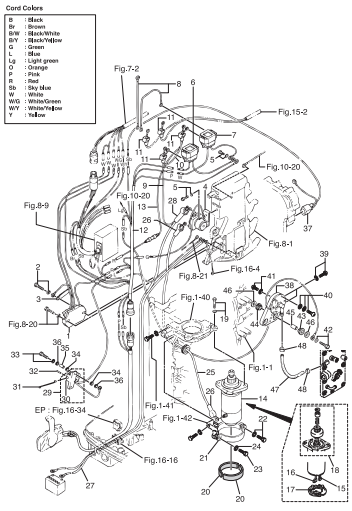


Fig. 10 OIL PUMP (AUTO MIXING)

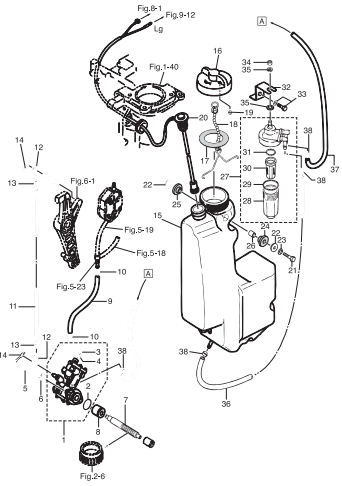


Fig. 11 DRIVE SHAFT HOUSING

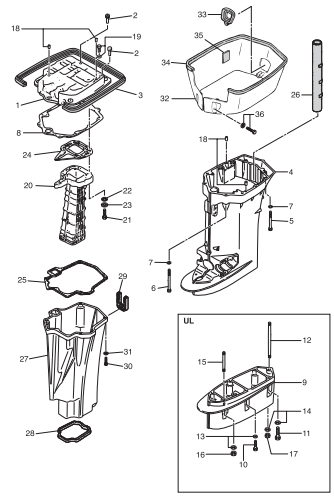


Fig. 12 GEAR CASE (DRIVE SHAFT)

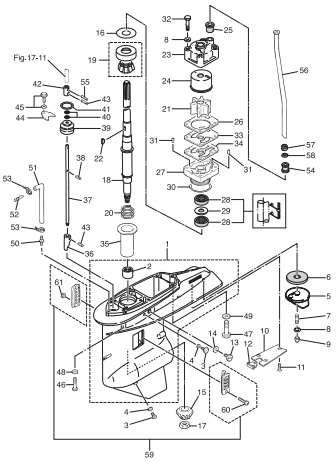


Fig. 13 GEAR CASE (PROPELLER SHAFT)

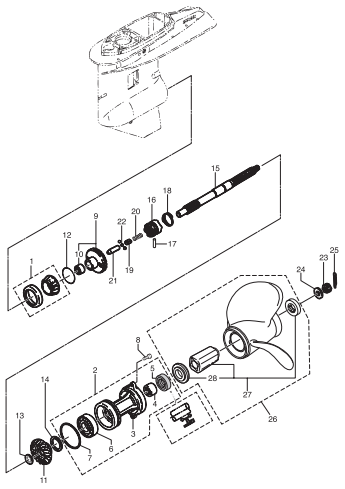


Fig. 14 BRACKET

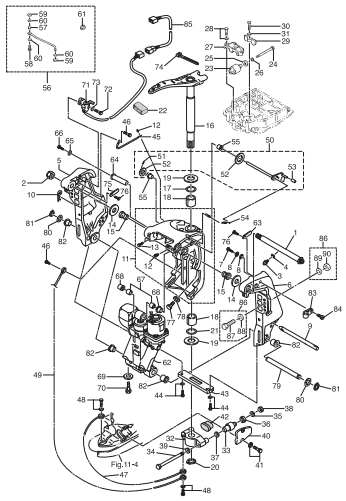


Fig. 15 POWER TRIM & TILT (PTT)

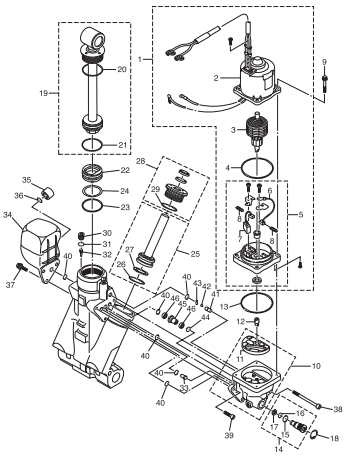


Fig. 16 BOTTOM COWL

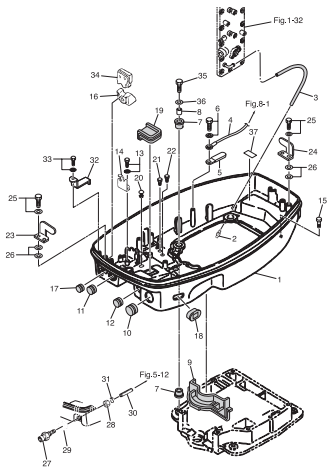


Fig. 17 SHIFT

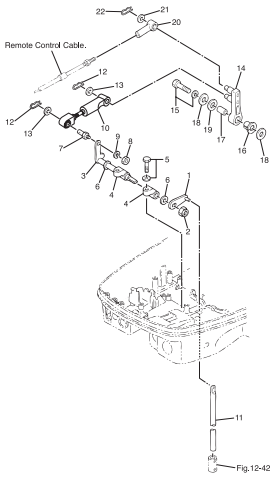


Fig. 18 TOP COWL

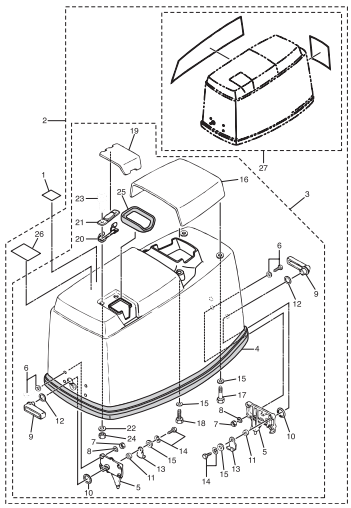


Fig. 19 FUEL TANK

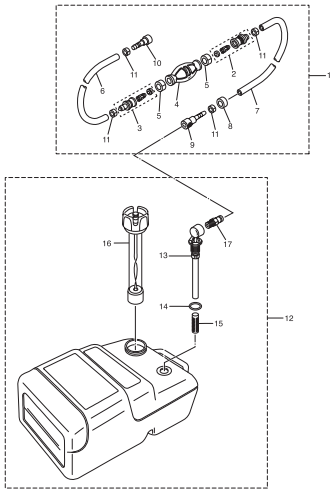


Fig. 20 COMPONENT PARTS OF REMOTE CONTROL

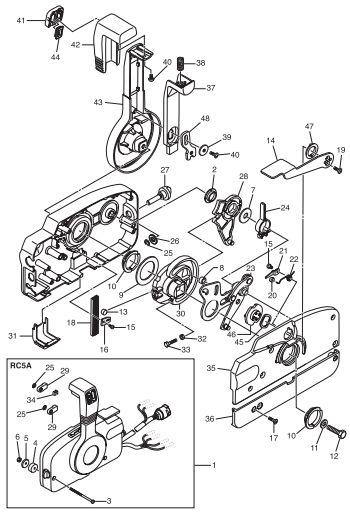


Fig. 21 COMPONENT PARTS OF REMOTE CONTROL (ELECTRIC PARTS)

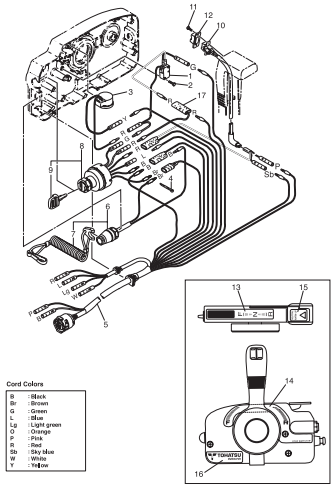


Fig. 22 ACCESSORIES

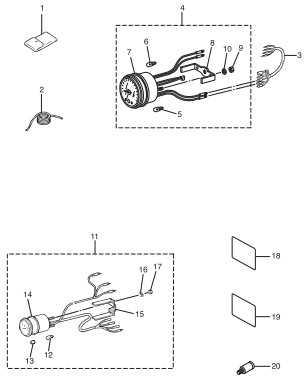


Fig. 23 OPTIONAL PARTS (1)

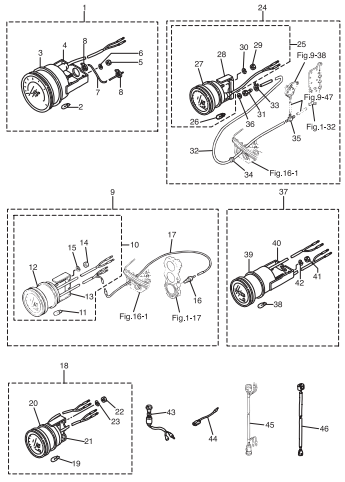


Fig. 24 OPTIONAL PARTS (2)

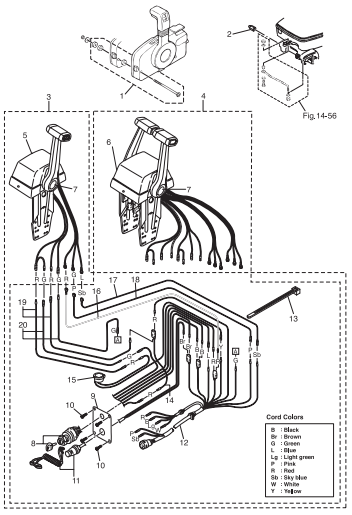


Fig. 25 ASSEMBLY・KIT PARTS

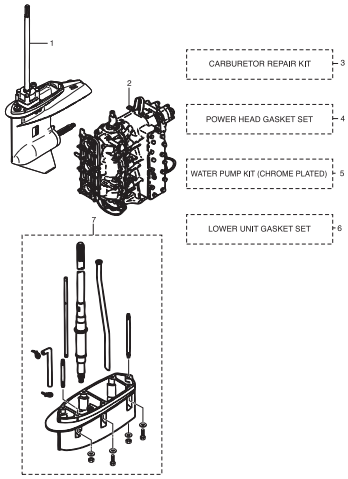
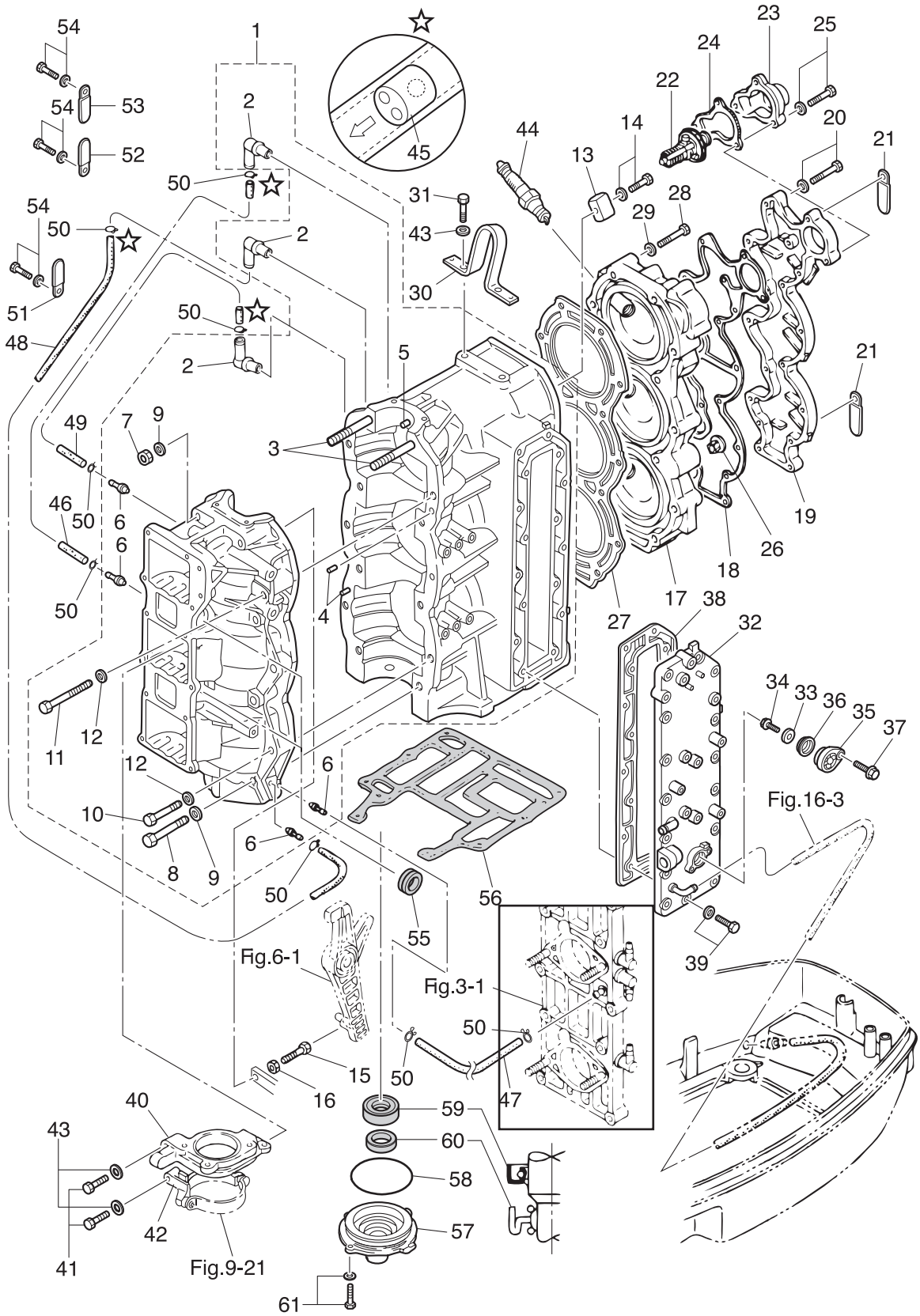
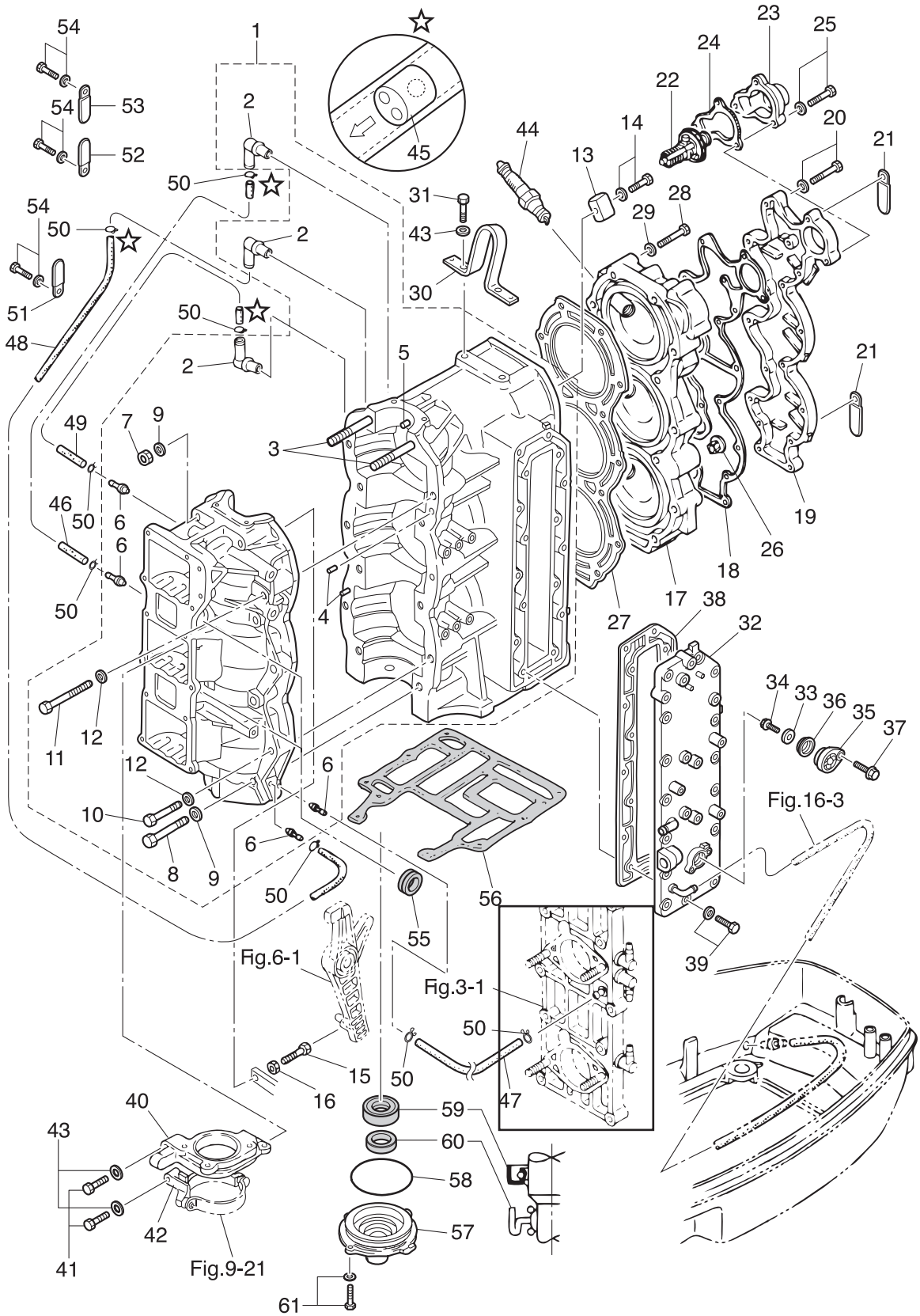


Fig. 1 CYLINDER • CRANK CASE



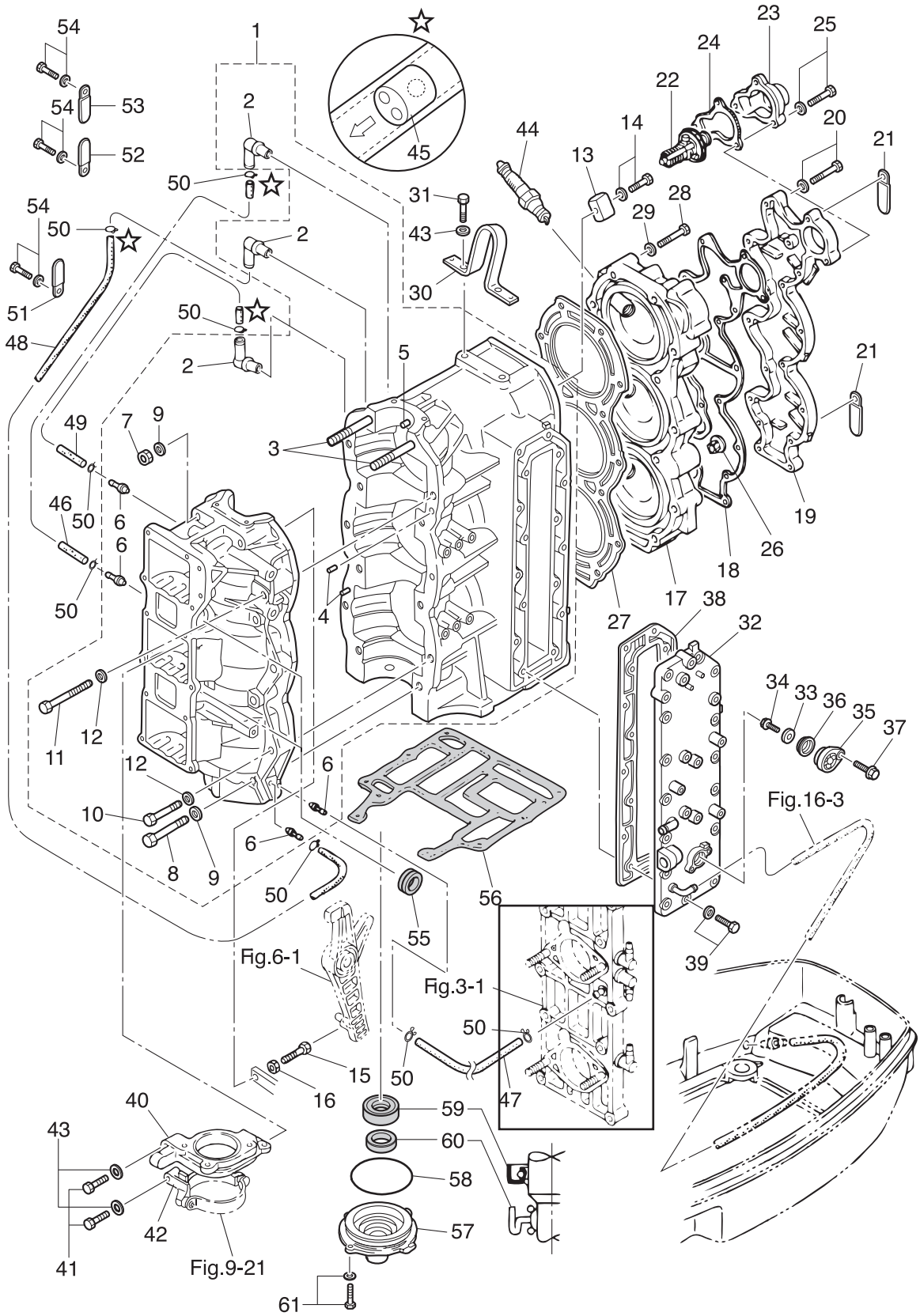
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
1-1	3MRB01100-0	CYL BLOCK & CRANKCASE ASSY	1	
1-2	393-01137-0	* NIPPLE	3	
1-3	915324-1065	* STUD	2	
1-4	345-01111-0	* DOWEL PIN 6-12	2	
1-5	345-00117-0	* DOWEL PIN	1	Main Bearing
1-6	393-01131-0	* NIPPLE 5.5-5	4	
1-7	931121-1000	* NUT	2	
1-8	916129-1065	* BOLT	6	
1-9	3B7-01116-0	* WASHER 10.5-20-3.2	8	
1-10	916124-0850	* BOLT	5	
1-11	916124-0865	* BOLT	1	
1-12	345-01015-0	* WASHER 8.5-19.5-3.2	6	
1-13	3B7-60218-1	ANODE	1	
1-14	910103-5630	BOLT	1	
1-15	910103-0630	BOLT	1	
1-16	930103-0600	NUT	1	
1-17	3B7B01001-0	CYLINDER HEAD	1	
1-18	3B7-01024-2	CYLINDER HEAD COVER GASKET	1	
1-19	3B7B01021-0	CYLINDER HEAD COVER	1	
1-20	910121-6630	BOLT	15	
1-21	309-06972-0	CLAMP 6.5-47.5P	2	
1-22	3C7-01030-0	THERMOSTAT	1	PRV 60℃
1-23	3B7B01031-0	THERMOSTAT CAP	1	
1-24	353-01032-0	THERMOSTAT CAP GASKET	1	
1-25	9101E3-5640	BOLT	3	
1-26	3B7-01046-0	PLUG	1	
1-27	3B7-01005-1	CYLINDER HEAD GASKET	1	
1-28	9161F9-0860	BOLT	14	
1-29	345-01015-0	WASHER 8.5-19.5-3.2	14	

Fig. 1 CYLINDER • CRANK CASE



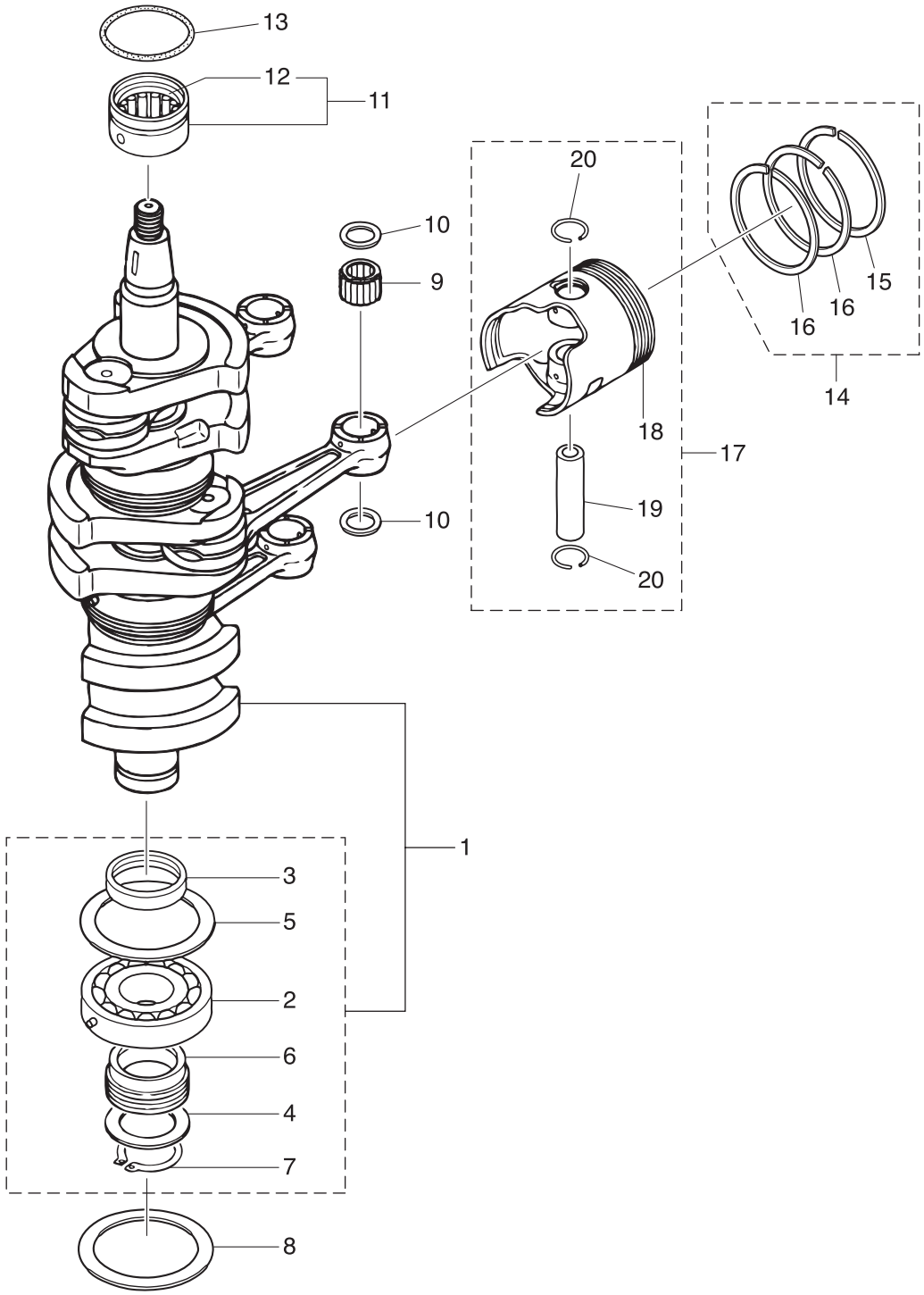
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
1-30	3B7-01513-0	HANGER	1	
1-31	9101F4-0820	BOLT	2	
1-32	3MRB02300-1	EXHAUST COVER ASSY	1	
1-33	369-60218-1	ANODE	1	
1-34	910103-0616	BOLT	1	
1-35	3FW-01143-0	ANODE PLUG	1	
1-36	3FW-01146-0	SEAL RING	1	
1-37	910103-5620	BOLT	1	
1-38	3FW-02305-0	EXHAUST COVER GASKET	1	
1-39	9101E3-5625	BOLT	16	
1-40	3B7B05101-0	BRACKET	1	
1-41	9161F4-0845	BOLT	3	
1-42	353B76006-2	STARTER MOTOR BRACKET	1	
1-43	941322-0800	SPRING WASHER	5	Bracket Hanger
1-44	9701-1-1016	SPARK PLUG (BR8HS10)	3	NGK
1-45	393-01160-0	CHECK VALVE	3	
1-46	98AL-40-280	HOSE	1	#1Cylinder-#2C/Case 98AL-401000
1-47	98AL-40-325	HOSE	1	#3C/Case-#2Manifold 98AL-401000
1-48	98AL-40-420	HOSE	1	#2Cylinder-#3C/Case 98AL-401000
1-49	98AL-40-440	HOSE	1	#3Cylinder-#1C/Case 98AL-401000
1-50	338-01133-0	CLIP ϕ7	8	
1-51	309-06972-0	CLAMP 6.5-47.5P	1	
1-52	309-06972-0	CLAMP 6.5-47.5P	1	
1-53	353-06972-0	CLAMP 7-80P	1	
1-54	910103-6612	BOLT	3	
1-55	3B7-76093-0	GROMMET 25-5	2	
1-56	3B7-01303-4	ENGINE BASEMENT GASKET	1	
1-57	3B7-01291-2	CRANKCASE HEAD	1	
1-58	171-00053-0	O-RING 2-74.5	1	

Fig. 1 CYLINDER • CRANK CASE



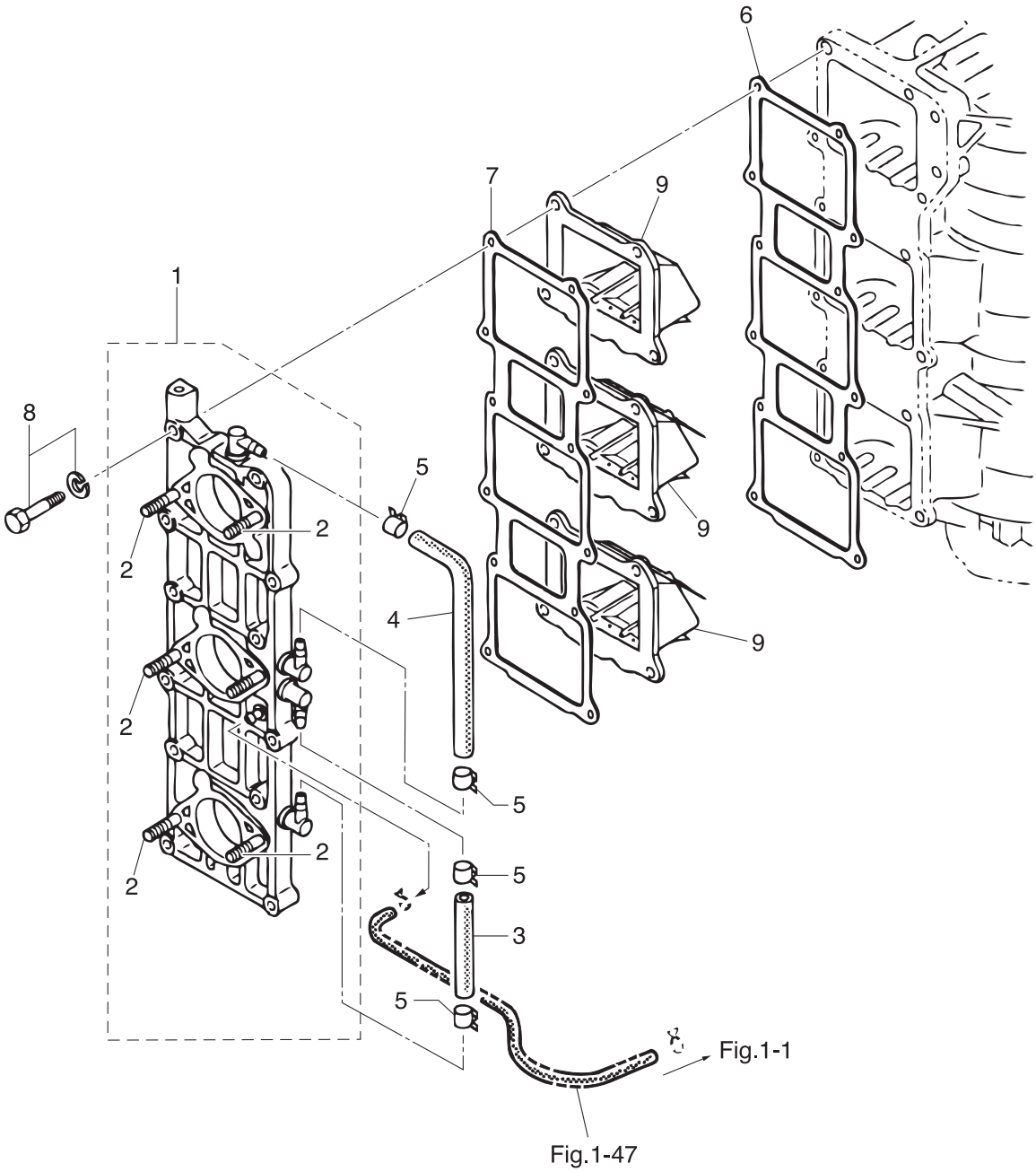
Ref.No.		Part No.	Description	Q'ty M90A2	Remarks
1-59		3B7-00121-0	OIL SEAL 35-58-9	1	
1-60		3C7-01215-0	OIL SEAL 19.6-35-10	1	
1-61		910103-5620	BOLT	2	

Fig. 2 PISTON • CRANK SHAFT



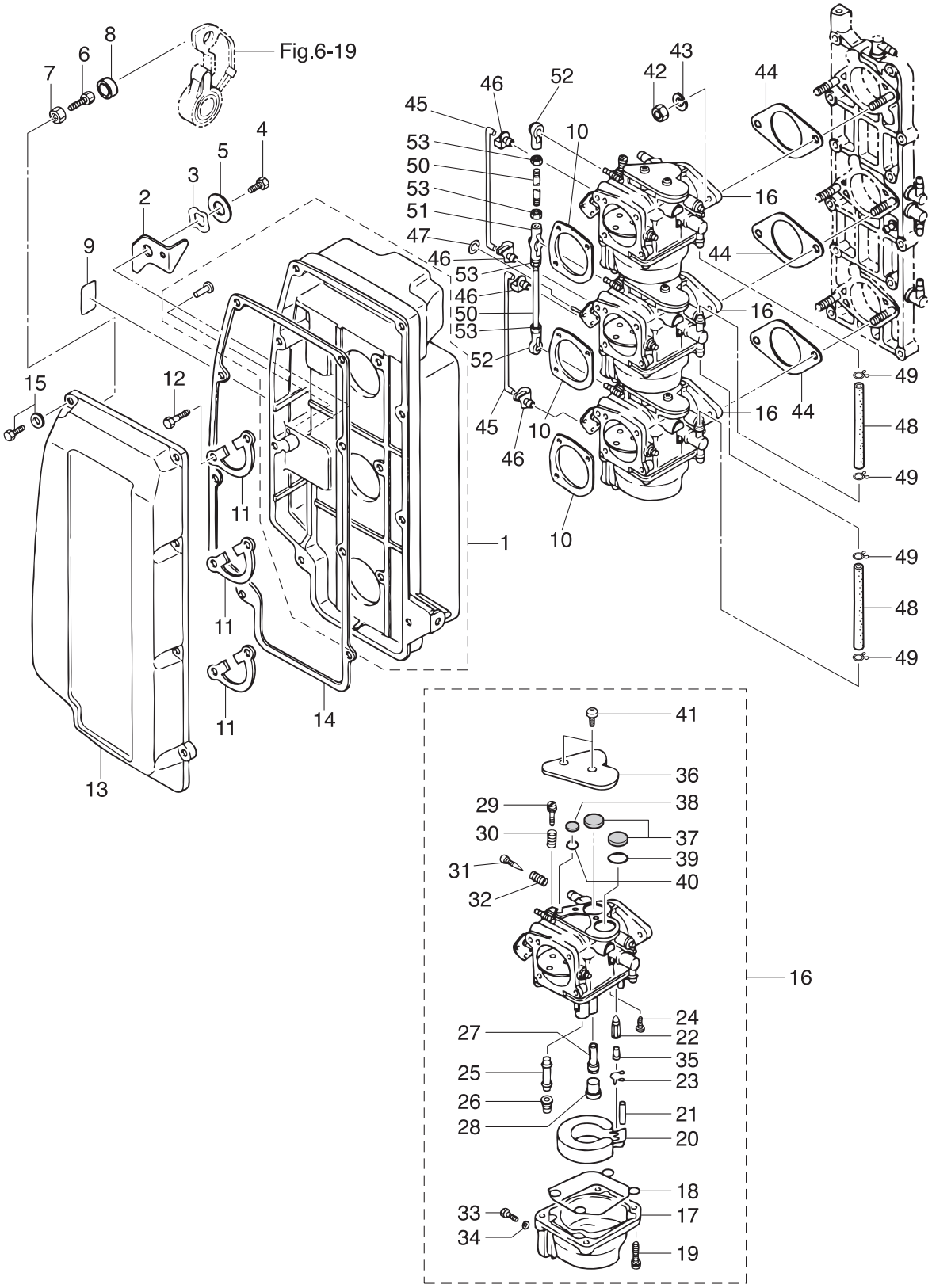
Ref.No.		Part No.	Description	Q'ty	Remarks
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2-1		3B7-00050-1	CRANKSHAFT ASSY W/GEAR	1	
2-2		9603-3-6208	* BALL BEARING 6208	1	
2-3		3B7-00116-0	* SPACER 40-52-7	1	
2-4		353-64036-0	* SHIM 36-44-0.3	A	
2-4		353-64037-0	* SHIM 36-44-0.15	A	
2-4		353-64038-0	* SHIM 36-44-0.1	A	
2-5		3B7-00115-0	* THRUST PLATE 66-85-2	1	
2-6		3B7-09060-0	* OIL PUMP DRIVE GEAR	1	
2-7		945107-3500	* C-RING d=35	1	
2-8		3B7-00115-0	THRUST PLATE 66-85-2	1	
2-9		3C7-00042-0	ROLLER BEARING 20-25-28	3	
2-10		353-00046-0	SMALL END BEARING WASHER	6	
2-11		353-00113-0	MAIN BEARING	1	
2-12		353-00121-0	* OIL SEAL 36.5-46-8	1	
2-13		353-00108-0	O-RING 2.4-44.7	1	
2-14	1	3MR-87123-0	PISTON RING SET	3	STD
2-14	2	3MR-87124-0	PISTON RING SET (0.5 O/S)	3	OPT
2-15	1	3B7-00011-0	* PISTON RING	1	STD 1st
2-15	2	3B7-00014-0	* PISTON RING (0.5 O/S)	1	OPT 1st
2-16	1	3B7-00012-0	* PISTON RING	2	STD 2nd, 3rd
2-16	2	3B7-00015-0	* PISTON RING (0.5 O/S)	2	OPT 2nd, 3rd
2-17	1	3MR-87130-0	PISTON REPAIR KIT	3	STD
2-17	2	3MR-87131-0	PISTON REPAIR KIT (0.5 O/S)	3	OPT
2-18	1	3B7-00001-2	* PISTON	1	STD
2-18	2	3B7-00004-2	* PISTON (0.5 O/S)	1	OPT
2-19		360-00021-1	* PISTON PIN	1	
2-20		353-00024-1	* PISTON PIN CLIP	2	

Fig. 3 INTAKE MANIFOLD • REED VALVE



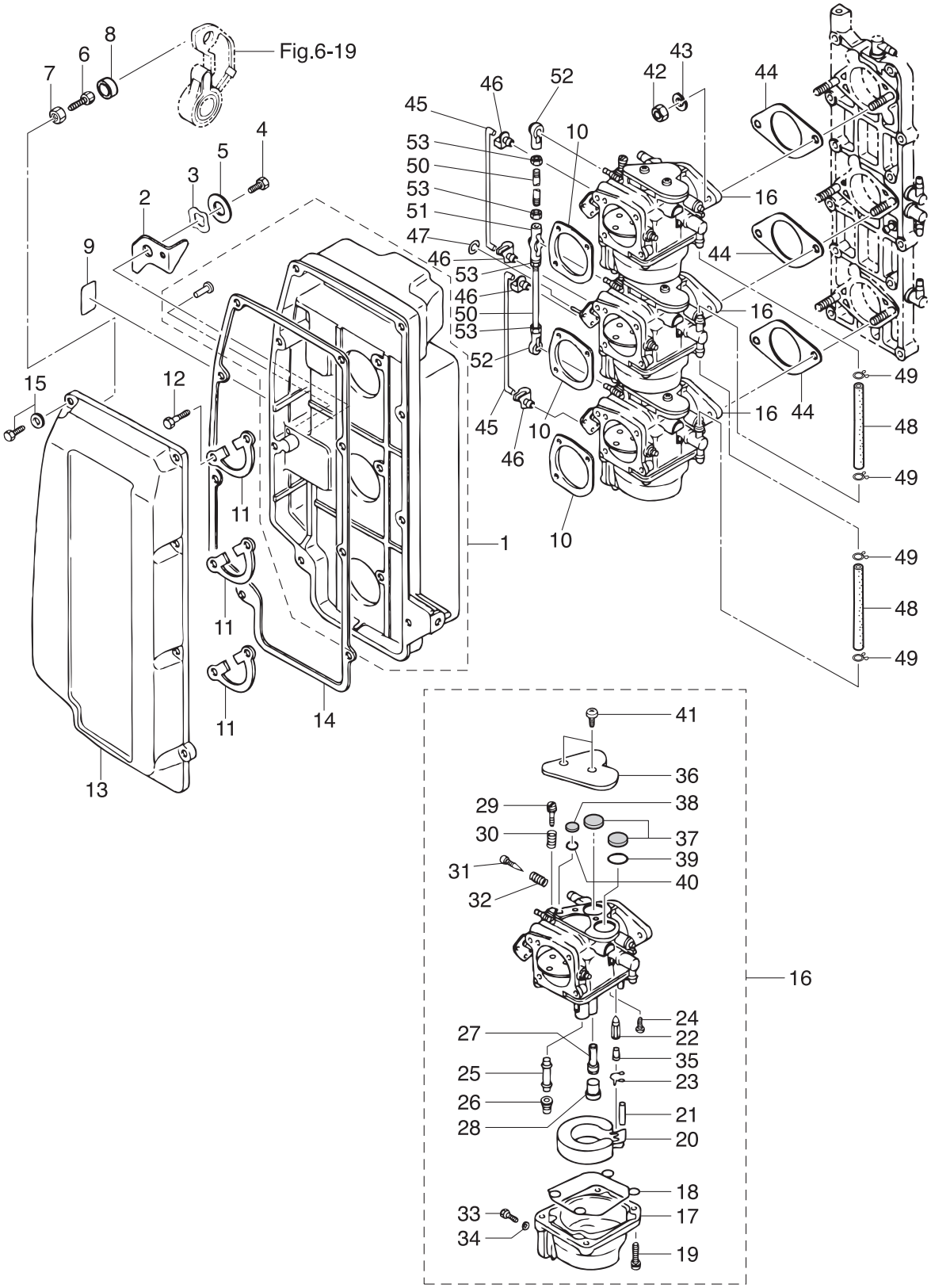
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
3-1	3B7B02010-3	INTAKE MANIFOLD ASSY	1	
3-2	915321-0618	* STUD	6	
3-3	98AB-70-080	HOSE	1	98AB-701000
3-4	98AB-70-180	HOSE	1	98AB-701000
3-5	345-70114-1	CLIP ϕ11.3	4	
3-6	3T9-02104-0	INTAKE MANIFOLD GASKET	1	
3-7	3T9-02242-0	AIR CHAMBER GASKET	1	
3-8	910121-7635	BOLT	12	
3-9	3A3-02100-0	REED VALVE ASSY	3	

Fig. 4 INTAKE SILENCER • CARBURETOR



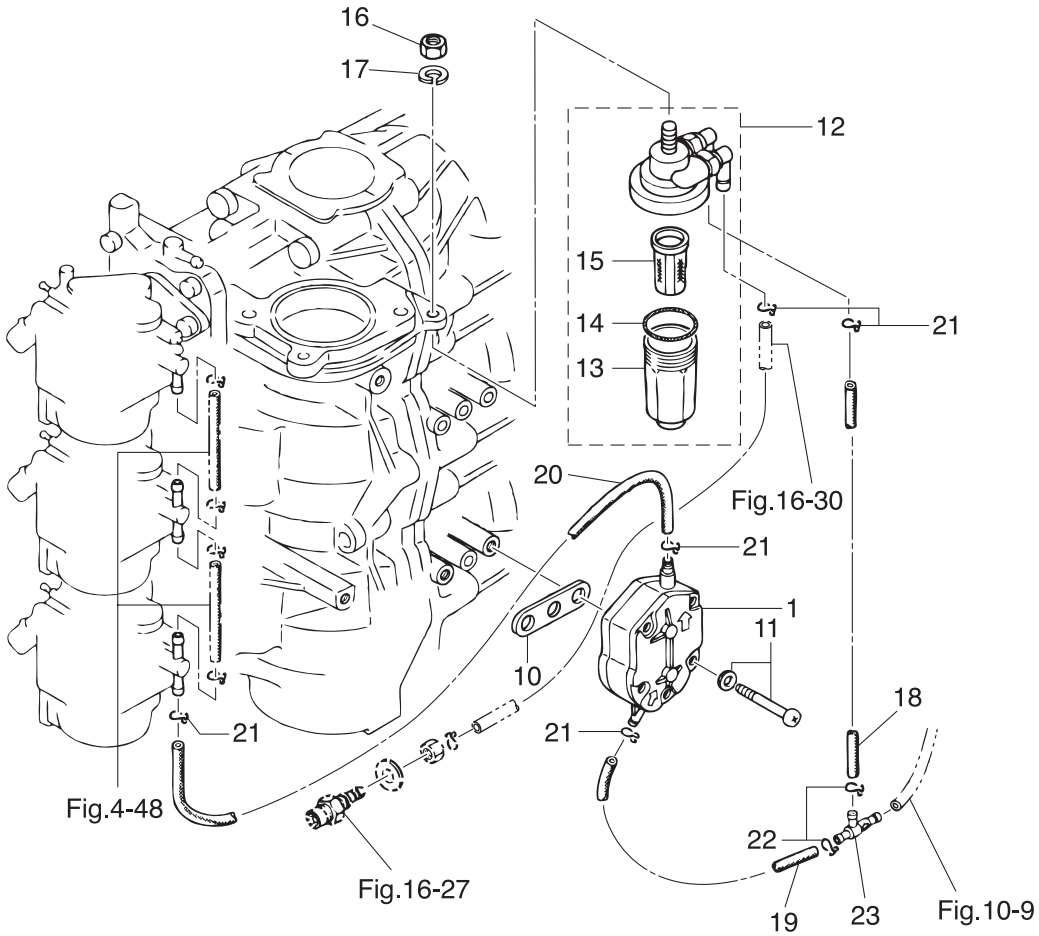
Ref.No.		Part No.	Description	Q'ty M90A2	Remarks
4-1		3B7-02410-0	INTAKE SILENCER SUB-ASSY	1	
4-2		3B7-67152-0	CHOKE LEVER	1	
4-3		941403-1000	WAVE WASHER d=10	1	
4-4		910103-0610	BOLT	1	
4-5		346-67115-0	WASHER 6.5-21-1	1	
4-6		910103-0630	BOLT	1	
4-7		930103-0600	NUT	1	
4-8		3B7-63734-0	STOPPER DAMPER	1	
4-9		3B7-72015-0	CHOKE DECAL	1	
4-10		346-02414-2	INTAKE SILENCER GASKET	3	
4-11		345-02417-1	INTAKE SILENCER LOCK PLATE	3	
4-12		910121-0618	BOLT	6	
4-13		3B7-02415-0	INTAKE SILENCER COVER	1	
4-14		3B7-02418-1	GASKET	1	
4-15		910103-5620	BOLT	8	
4-16	1	3L9-03200-0	CARBURETOR ASSY	1	Upper
4-16	2	3L9-03207-0	CARBURETOR ASSY (SECOND)	1	Center
4-16	3	3L9-03210-0	CARBURETOR ASSY (THIRD)	1	Lower
4-17		353-03221-0	* FLOAT CHAMBER	1	Upper, Center, Lower x 3
4-18		346-03222-0	* FLOAT CHAMBER O-RING	1	x 3
4-19		922503-6414	* SCREW	4	x 3
4-20		346-03231-0	* FLOAT	1	x 3
4-21		346-03232-0	* FLOAT ARM PIN	1	x 3
4-22		3B7-03240-0	* FLOAT VALVE	1	x 3
4-23		344-03244-0	* CLIP	1	x 3
4-24		3F3-03234-0	* SCREW	1	x 3
4-25		3L9-03252-0	* MAIN NOZZLE	1	x 3
4-26		3B7-03251-0	* MAIN JET (#150)	1	x 3
4-27		3C7-03255-0	* SLOW JET (#75)	1	x 3

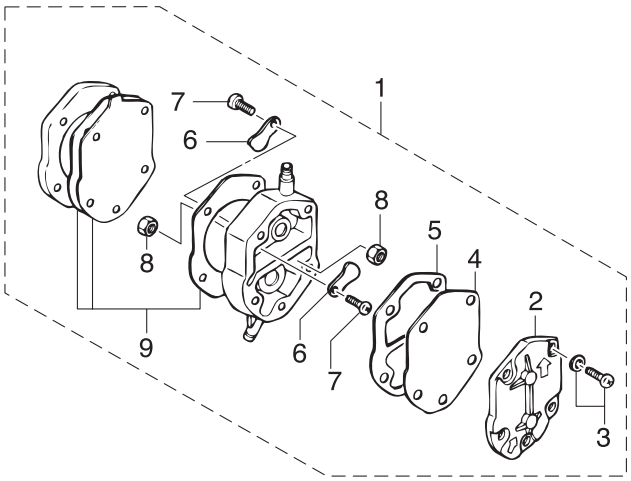
Fig. 4 INTAKE SILENCER • CARBURETOR



Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
4-28	346-03256-0	* RUBBER CAP	1	x 3
4-29	346-03265-0	* STOP SCREW	1	Upper x 1
4-30	346-03267-0	* SPRING	1	Upper x 1
4-31	346-03266-0	* PILOT SCREW	1	x 3
4-32	353-03268-0	* SPRING	1	x 3
4-33	345-03292-0	* DRAIN SCREW	1	x 3
4-34	336-03293-0	* O-RING	1	x 3
4-35	334-03242-0	* VALVE PIN	1	x 3
4-36	3C7-03181-0	* CARBURETOR COVER	1	x 3
4-37	3C7-03182-0	* CARBURETOR COVER GASKET	2	x 3
4-38	3C7-03183-0	* CARBURETOR COVER GASKET	1	x 3
4-39	3C7-03184-0	* COVER GASKET PLATE	1	x 3
4-40	3C7-03185-0	* COVER GASKET PLATE	1	x 3
4-41	3C7-03186-0	* SCREW	2	x 3
4-42	930103-0600	NUT	6	
4-43	941303-0600	SPRING WASHER	6	
4-44	346-02011-1	CARBURETOR GASKET	3	
4-45	353-67191-1	CHOKE ROD	2	
4-46	345-05223-1	ROD SNAP 3.5-2	4	
4-47	3C7-03271-1	O-RING 1.5-2.5	1	
4-48	98AB-50-100	HOSE	2	98AB-501000
4-49	338-02215-0	CLIP ϕ10	4	
4-50	353-63709-1	THROTTLE ROD	2	
4-51	3B7-05229-0	BALL JOINT CONNECTOR	1	
4-52	3B7-05243-0	BALL JOINT CONNECTOR	2	
4-53	930103-0500	NUT	4	

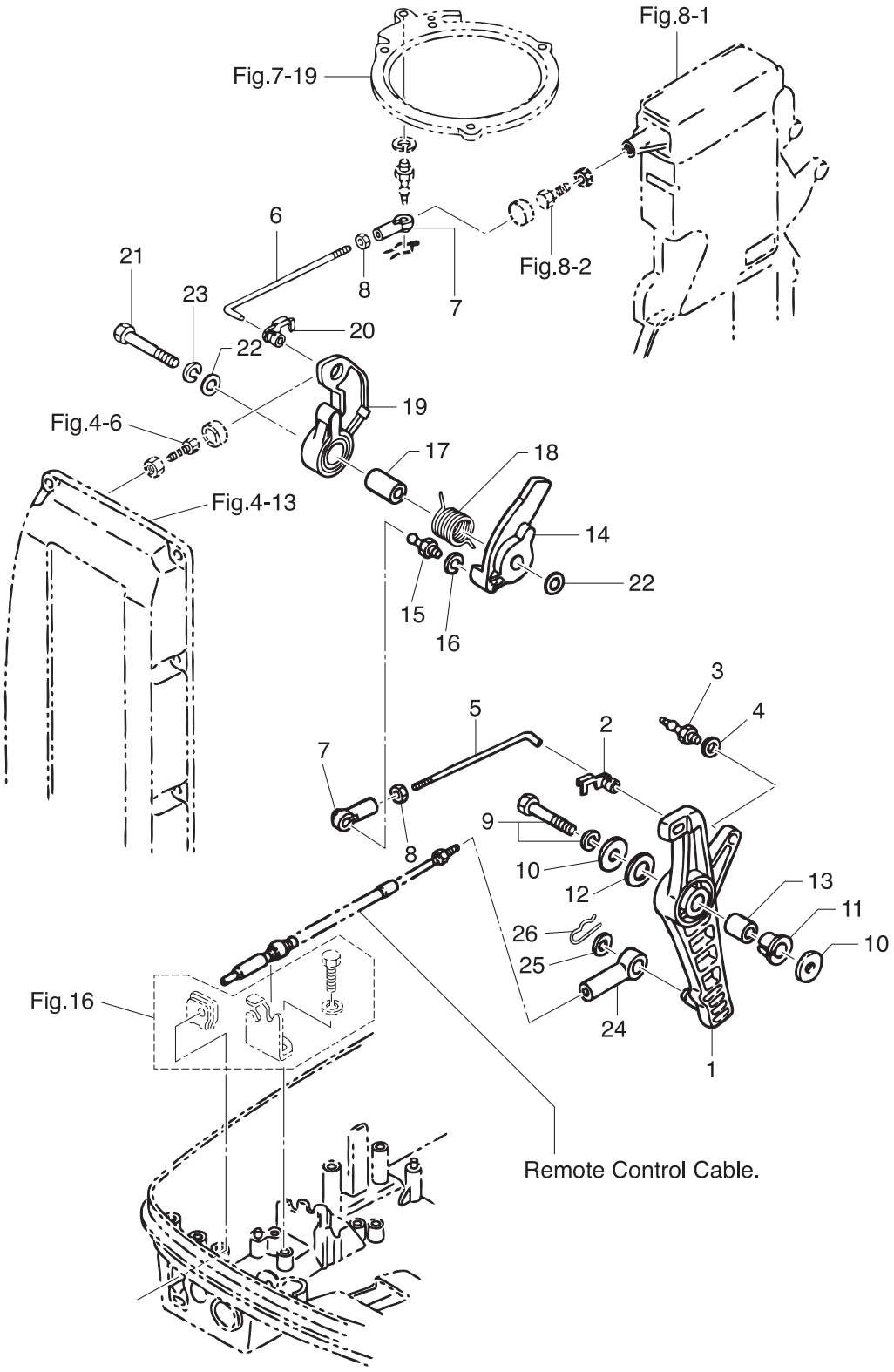
Fig. 5 FUEL LINE





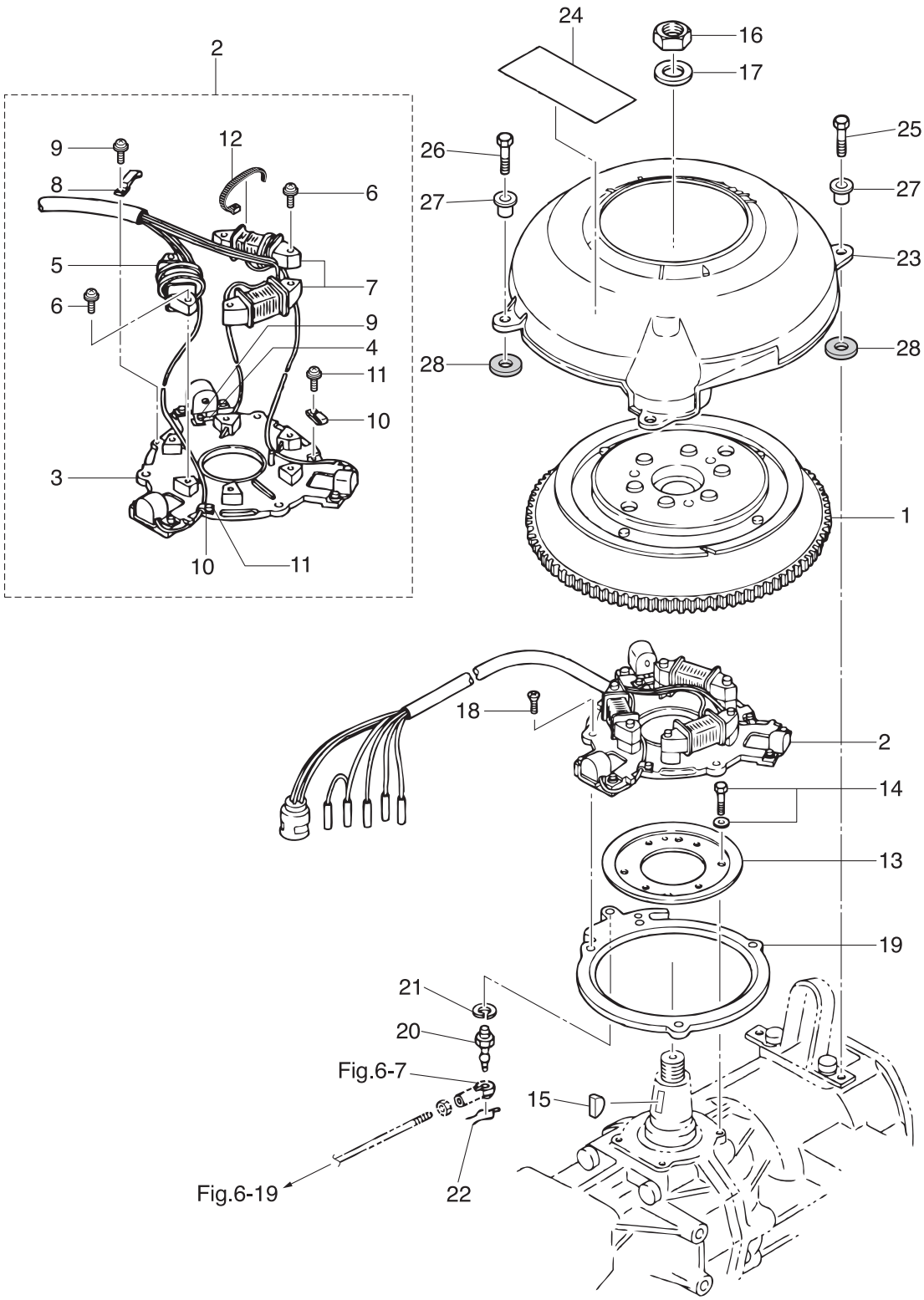
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
5-1	356-04000-1	FUEL PUMP ASSY	1	
5-2	334-04004-0	* PUMP COVER	1	
5-3	9225F2-6528	* SCREW	3	
5-4	334-04005-0	* PUMP DIAPHRAGM	1	
5-5	334-04007-0	* DIAPHRAGM GASKET	1	
5-6	356-04044-0	* CHECK VALVE	2	
5-7	921722-0306	* SCREW	2	
5-8	930222-0300	* NUT	2	
5-9	356-04030-0	* DIAPHRAGM GASKET SET	1	
5-10	346-04901-2	GASKET	1	Fuel Pump
5-11	921503-6640	SCREW	2	
5-12	3AD-02230-0	FUEL FILTER ASSY	1	
5-13	3AD-02237-0	* CUP	1	
5-14	3AD-02235-0	* O-RING	1	
5-15	3AD-02234-0	* FILTER	1	
5-16	930103-0800	NUT	1	
5-17	941303-0800	SPRING WASHER	1	
5-18	98AB-50-270	HOSE	1	F/Filter-Check Valve 98AB-501000
5-19	98AB-50-150	HOSE	1	Check Valve-F/Pump 98AB-501000
5-20	98AB-50-440	HOSE	1	F/Pump-Carburetor 98AB-501000
5-21	338-02215-0	CLIP ϕ10	5	Fuel Filter, Fuel Pump & Carburetor
5-22	338-02215-0	CLIP ϕ10	2	Check Valve
5-23	3C8-09075-0	CHECK VALVE COMPLETE	1	

Fig. 6 THROTTLE



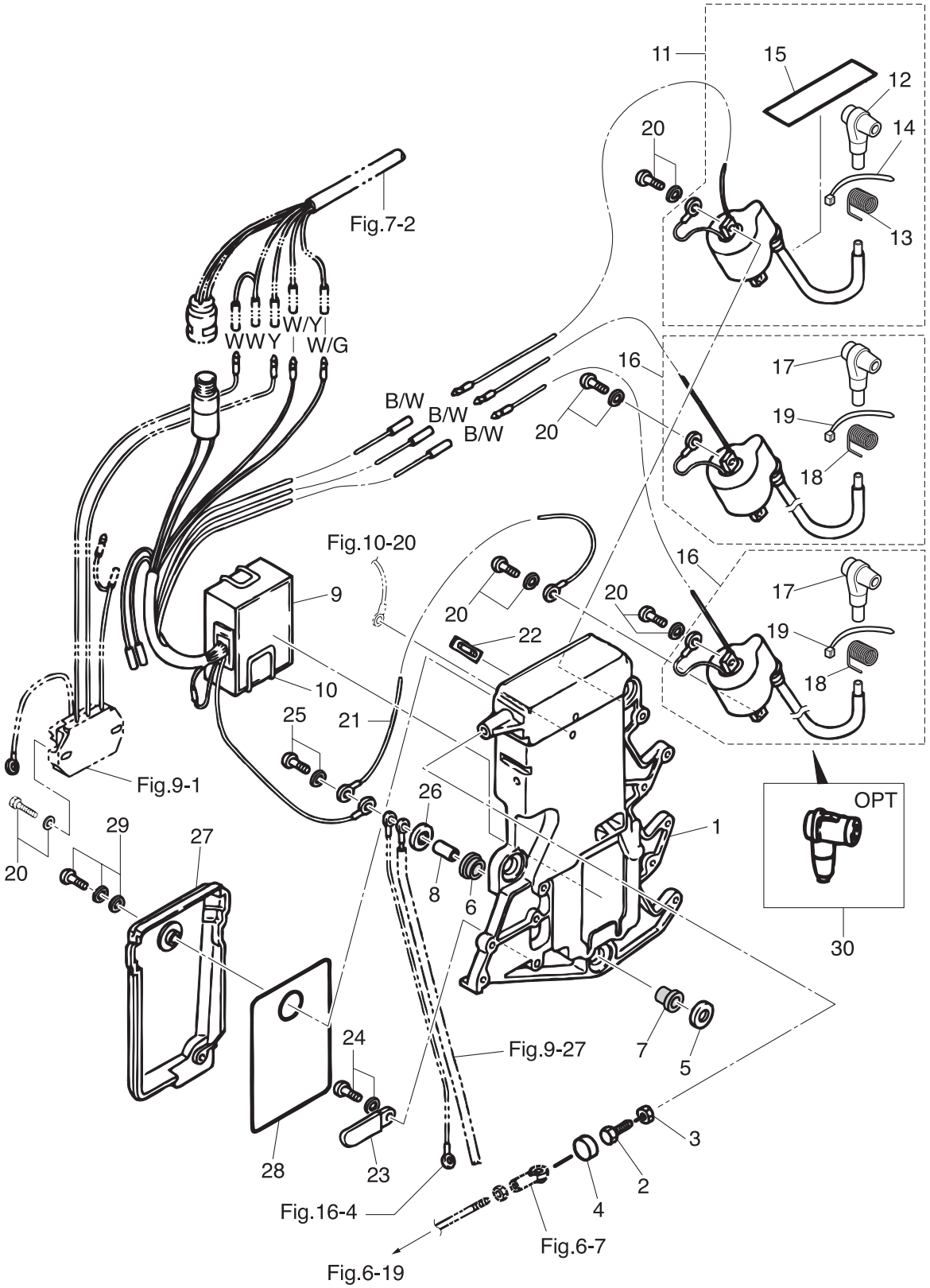
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
6-1	3B7B63711-3	ADVANCER ARM	1	
6-2	3B7-63733-0	ROD SNAP 5-2.5	1	
6-3	3B7-05244-0	BALL JOINT	1	
6-4	941303-0600	SPRING WASHER	1	
6-5	3B7-63716-1	THROTTLE ROD 5-120	1	
6-6	3B7-63715-1	ROD 5-113	1	
6-7	3B7-05243-0	BALL JOINT CONNECTOR	2	
6-8	930103-0500	NUT	2	
6-9	910103-6835	BOLT	1	
6-10	3B7-63730-0	WASHER 8.5-24-1.5	2	
6-11	3B7-63713-0	BUSHING 12-14-15.5	1	
6-12	3B7-63731-0	WASHER 12.5-24-1	1	
6-13	3B7-63732-1	COLLAR 8.4-12-17	1	
6-14	3B7-63718-0	THROTTLE CAM	1	
6-15	346-05228-1	BALL JOINT	1	
6-16	941303-0600	SPRING WASHER	1	
6-17	3B7-63721-0	COLLAR 8.4-12-26.3	1	
6-18	3B7-63727-0	SPRING	1	
6-19	3B7-63712-0	ADVANCER LEVER	1	
6-20	3B7-63733-0	ROD SNAP 5-2.5	1	
6-21	910103-0845	BOLT	1	
6-22	940103-0800	WASHER	2	
6-23	941303-0800	SPRING WASHER	1	
6-24	3B7-83715-2	CABLE JOINT	1	
6-25	3AA-83719-0	WASHER 8.5-18-1.6	1	
6-26	951603-0800	SNAP PIN d=8	1	

Fig. 7 MAGNETO



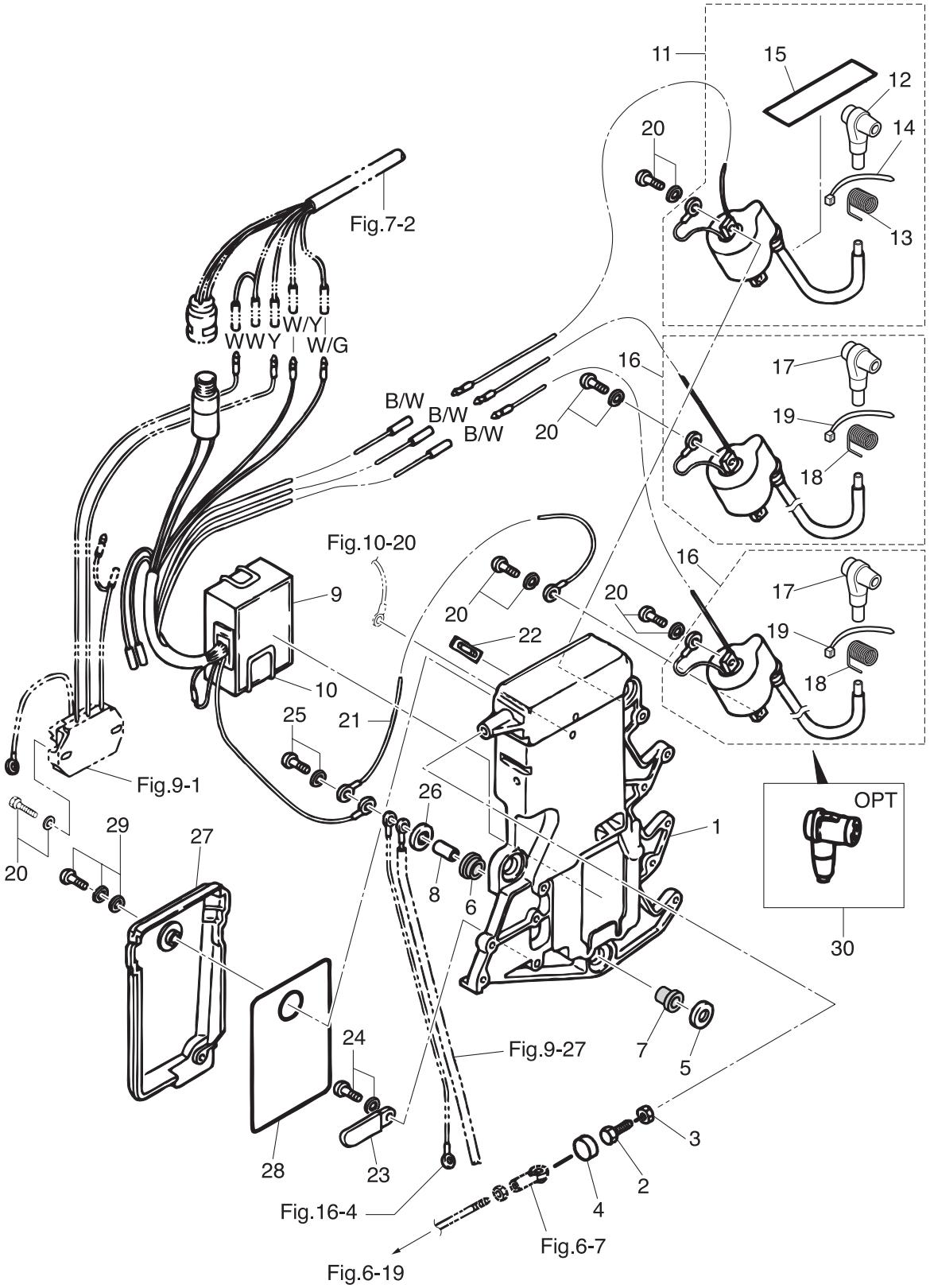
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
7-1	3B7-06101-1	FLYWHEEL W/RING GEAR	1	F4T421-71
7-2	3B7-06103-3	COIL PLATE ASSY W/ALTERNATOR	1	
7-3	3B7-06130-2	* PULSAR COIL & PLATE ASSY	1	
7-4	3B7-06131-0	* PULSAR HOLDER	1	
7-5	3B7-06120-1	* EXCITER COIL	1	
7-6	921521-6630	* SCREW	6	
7-7	3B7-06123-1	* ALTERNATOR ASSY	1	
7-8	3B7-06135-0	* HOLDER	1	
7-9	921521-0406	* SCREW	2	
7-10	3B7-06132-0	* CLAMP	2	
7-11	921521-6406	* SCREW	2	
7-12	3B7-06133-0	* BAND	4	
7-13	346-63722-2	GUIDE PLATE	1	
7-14	910121-6616	BOLT	4	
7-15	334-00131-0	KEY	1	Magneto
7-16	353-00132-0	NUT 18-P1.5	1	
7-17	353-00133-0	WASHER 19-34-3	1	
7-18	921503-6510	SCREW	3	
7-19	3B7-63723-0	SETTING RING	1	
7-20	3B7-05244-0	BALL JOINT	1	
7-21	941303-0600	SPRING WASHER	1	
7-22	951703-0500	SNAP RETAINER d=5	1	
7-23	3C7-06301-0	RING GEAR COVER	1	
7-24	3C7-72182-2	CAUTION DECAL (C)	1	
7-25	910103-0616	BOLT	2	
7-26	910103-0625	BOLT	2	
7-27	3GF-06304-0	COLLAR 9.1-16-10.8	4	
7-28	3B7-06305-0	RUBBER MOUNT 9-16-4.3	4	

Fig. 8 ELECTRIC PARTS (C.D. UNIT)



Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
8-1	3B7-06901-2	BRACKET	1	
8-2	910103-0625	BOLT	1	
8-3	930103-0600	NUT	1	
8-4	3B7-63734-0	STOPPER DAMPER	1	
8-5	346-67115-0	WASHER 6.5-21-1	3	
8-6	346-67113-0	MOUNT 8.5-14-2.5	3	
8-7	3B7-06920-0	RUBBER MOUNT 8.5-14-2.5	3	
8-8	346-67114-1	SPACER 6.2-9-15.7	3	
8-9	3B7-06160-2	CD UNIT	1	F8T20571
8-10	3B7-06165-0	CD UNIT BAND	1	
8-11	3MR-06049-0	IGNITION COIL ASSY W/LABEL	1	#1
8-12	3M2-06921-0	* PLUG CAP	1	STD
8-13	3M2-06926-0	* PLUG CAP TERMINAL	1	STD
8-14	3T5-84398-0	* BAND 104	1	STD
8-15	3C8-72181-0	* CAUTION DECAL (B)	1	
8-16	3MR-06050-0	IGNITION COIL W/CAP	2	#2, #3
8-17	3M2-06921-0	* PLUG CAP	1	STD
8-18	3M2-06926-0	* PLUG CAP TERMINAL	1	STD
8-19	3T5-84398-0	* BAND 104	1	STD
8-20	910103-5620	BOLT	7	Ignition Coil Rectifier
8-21	3B7-76142-1	GROUND CABLE L=120	1	Electric Bracket -Cylinder
8-22	353-76213-0	SPARE FUSE 20A	1	
8-23	353-06972-0	CLAMP 7-80P	1	
8-24	910103-6612	BOLT	1	
8-25	910103-6630	BOLT	3	
8-26	346-67115-0	WASHER 6.5-21-1	3	
8-27	3B7-06902-1	COVER	1	
8-28	3B7-72028-1	WIRING DIAGRAM DECAL	1	
8-29	910103-7620	BOLT	2	

Fig. 8 ELECTRIC PARTS (C.D. UNIT)

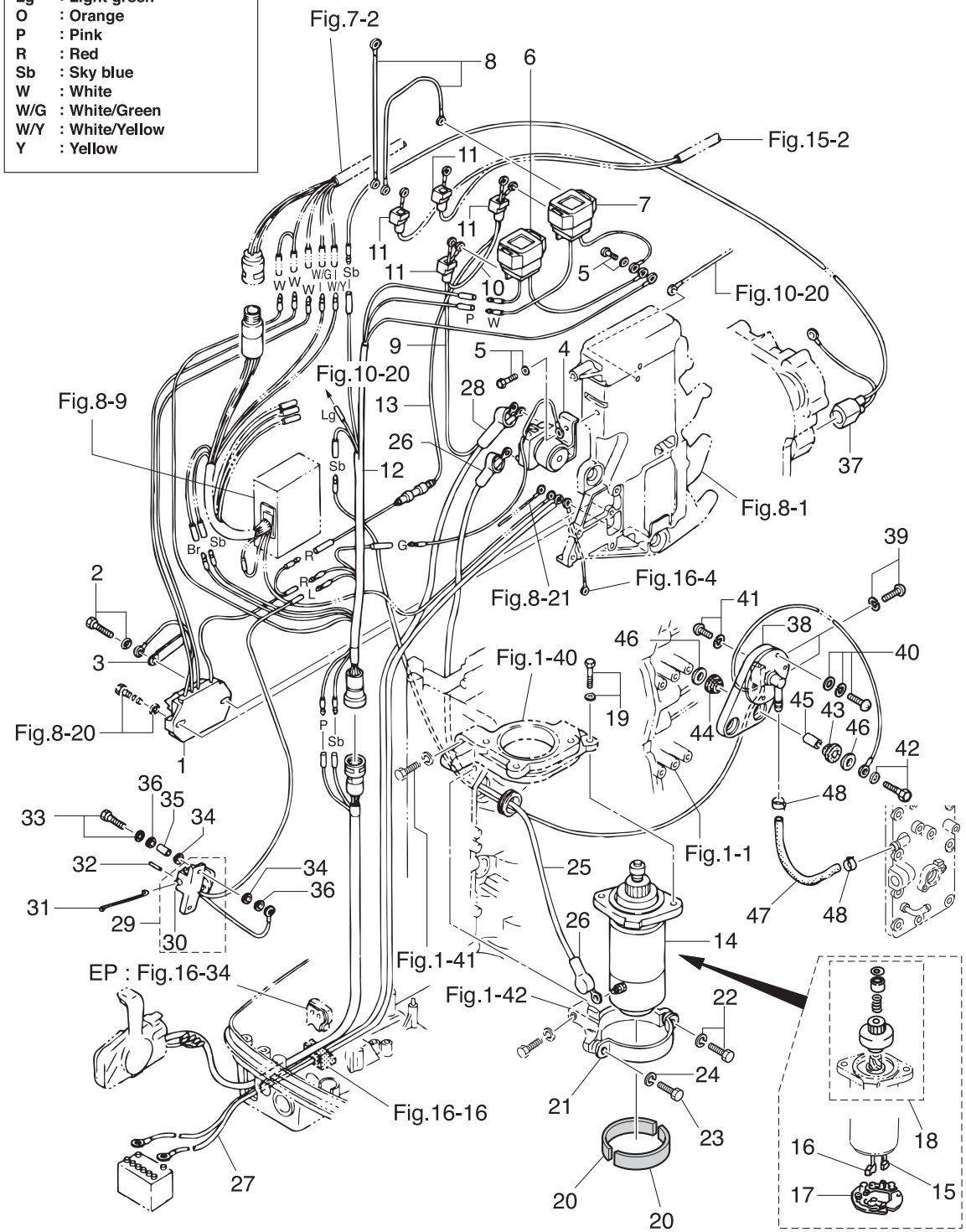


Ref.No.		Part No.	Description	Q'ty M90A2	Remarks
8-30		3C7-06921-0	PLUG CAP W/RESISTANCE	3	OPT

Fig. 9 ELECTRIC PARTS (STARTER MOTOR)

Cord Colors

B	: Black
Br	: Brown
B/W	: Black/White
B/Y	: Black/Yellow
G	: Green
L	: Blue
Lg	: Light green
O	: Orange
P	: Pink
R	: Red
Sb	: Sky blue
W	: White
W/G	: White/Green
W/Y	: White/Yellow
Y	: Yellow

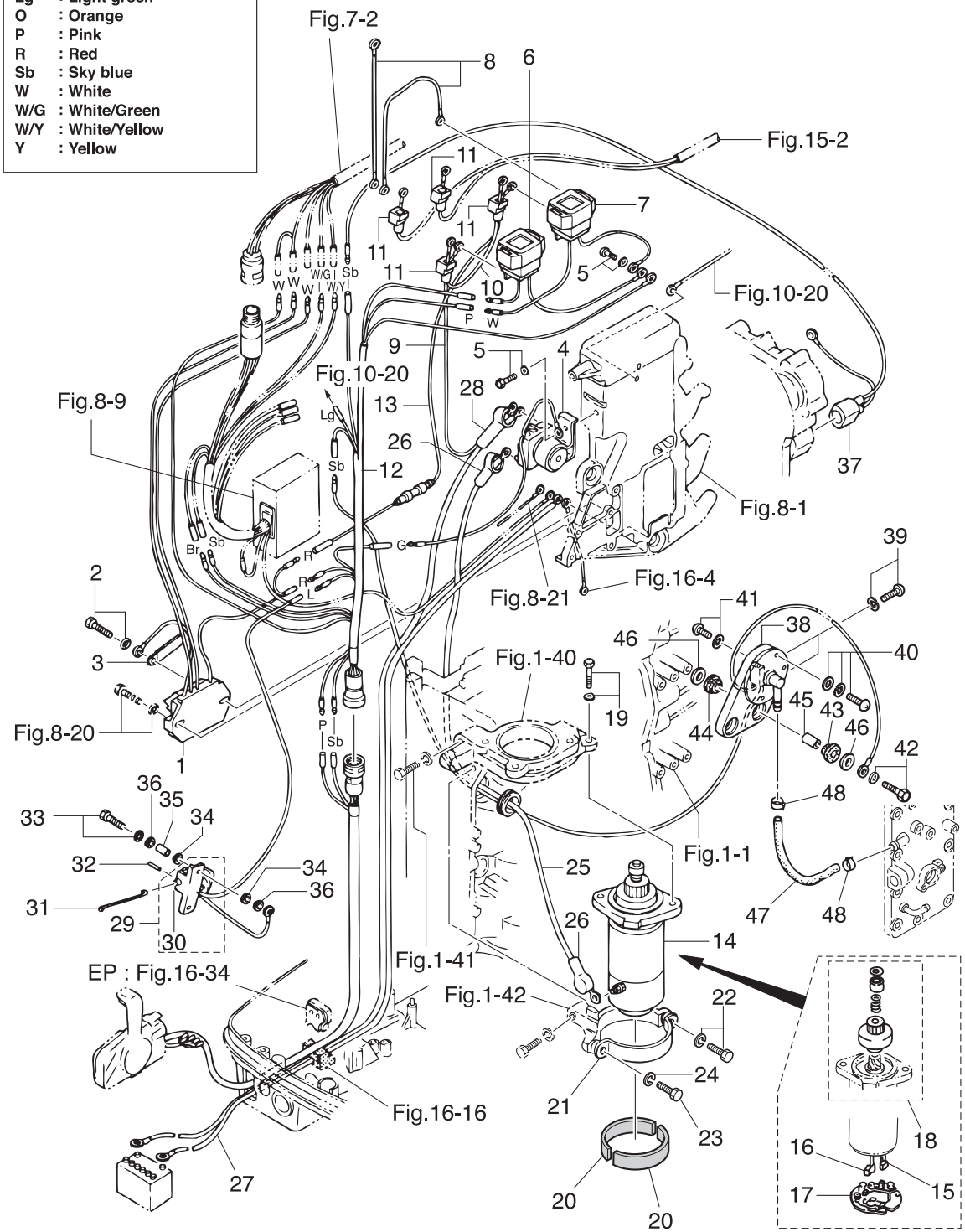


Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
9-1	3B7-76065-5	RECTIFIER COMPLETE	1	
9-2	910103-5625	BOLT	1	
9-3	309-06972-0	CLAMP 6.5-47.5P	1	
9-4	346-76040-0	STARTER SOLENOID	1	
9-5	910103-6616	BOLT	2	
9-6	3C8-72580-0	PTT SOLENOID SWITCH (A)	1	UP
9-7	3C8-72581-0	PTT SOLENOID SWITCH (B)	1	DN
9-8	3C8-72583-1	SOLENOID SWITCH CORD (B) L=150	2	
9-9	3B7-72582-1	SOLENOID SWITCH CORD (A) L=150	1	
9-10	3C7-72583-0	SOLENOID SWITCH CORD (B) L=150	1	
9-11	3A3-76145-0	TERMINAL CAP	4	
9-12	3B7-76110-0	CORD ASSY	1	
9-13	3C7-76062-1	FUSE WIRE ASSY L=450	1	
9-14	353-76010-4	STARTER MOTOR ASSY	1	S114-667
9-15	353-76012-3	* POSITIVE BRUSH	1	
9-16	353-76013-3	* NEGATIVE BRUSH	2	
9-17	353-76017-1	* BRUSH SPRING	4	
9-18	353-76015-1	* PINION ASSY	1	
9-19	910103-6835	BOLT	2	
9-20	353-76007-1	DAMPER	2	
9-21	353B76009-2	STARTER MOTOR BAND	1	
9-22	9101E3-5840	BOLT	1	
9-23	910103-0820	BOLT	1	
9-24	940103-0800	WASHER	1	
9-25	3B7-76141-1	STARTER CABLE L=400	1	
9-26	3A3-76145-0	TERMINAL CAP	2	
9-27	3B7-76120-2	BATTERY CABLE L=3000	1	
9-28	3B7-76145-0	TERMINAL CAP	1	
9-29	353-76050-2	CHOKE SOLENOID	1	

Fig. 9 ELECTRIC PARTS (STARTER MOTOR)

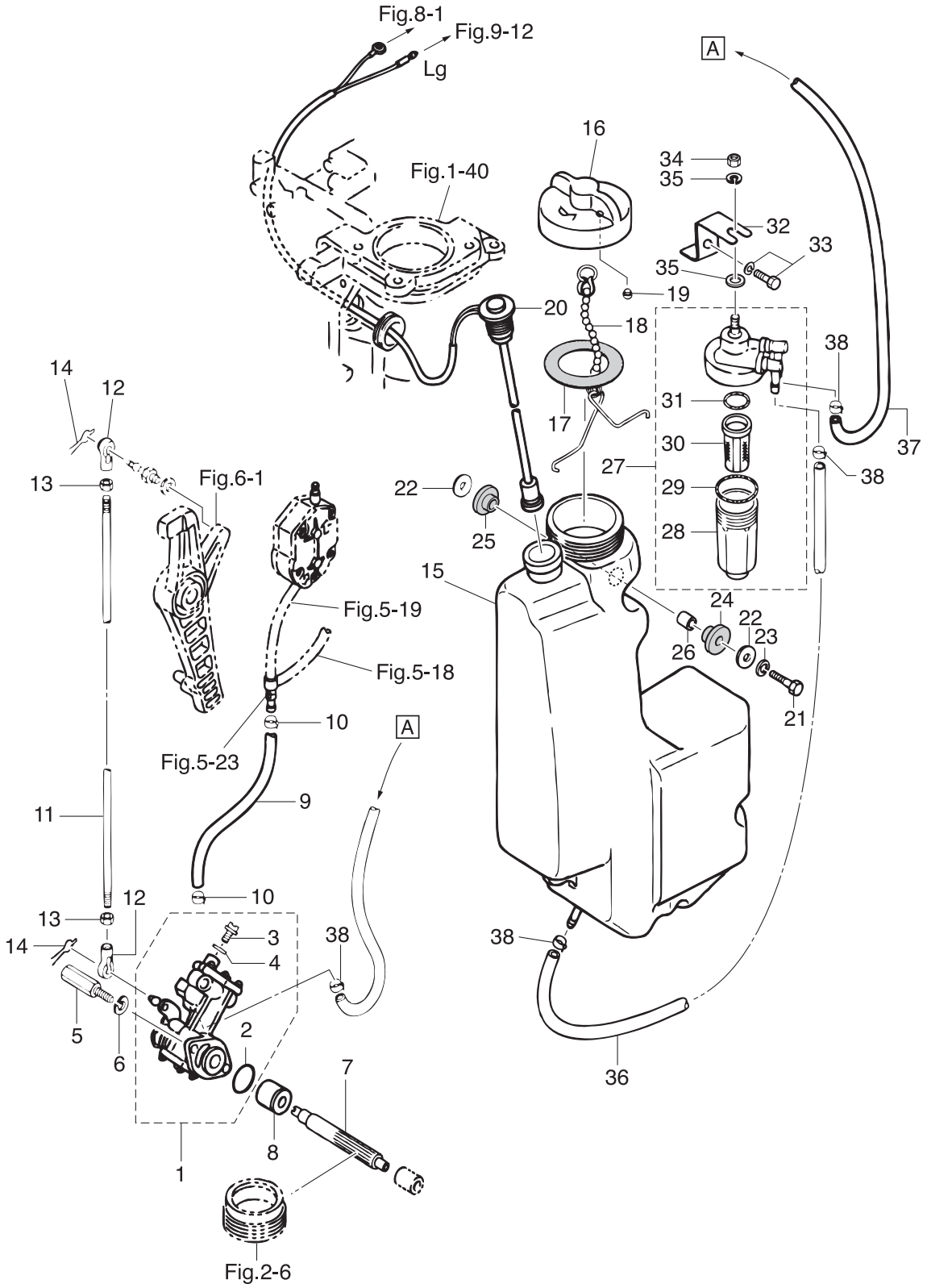
Cord Colors

B	: Black
Br	: Brown
B/W	: Black/White
B/Y	: Black/Yellow
G	: Green
L	: Blue
Lg	: Light green
O	: Orange
P	: Pink
R	: Red
Sb	: Sky blue
W	: White
W/G	: White/Green
W/Y	: White/Yellow
Y	: Yellow



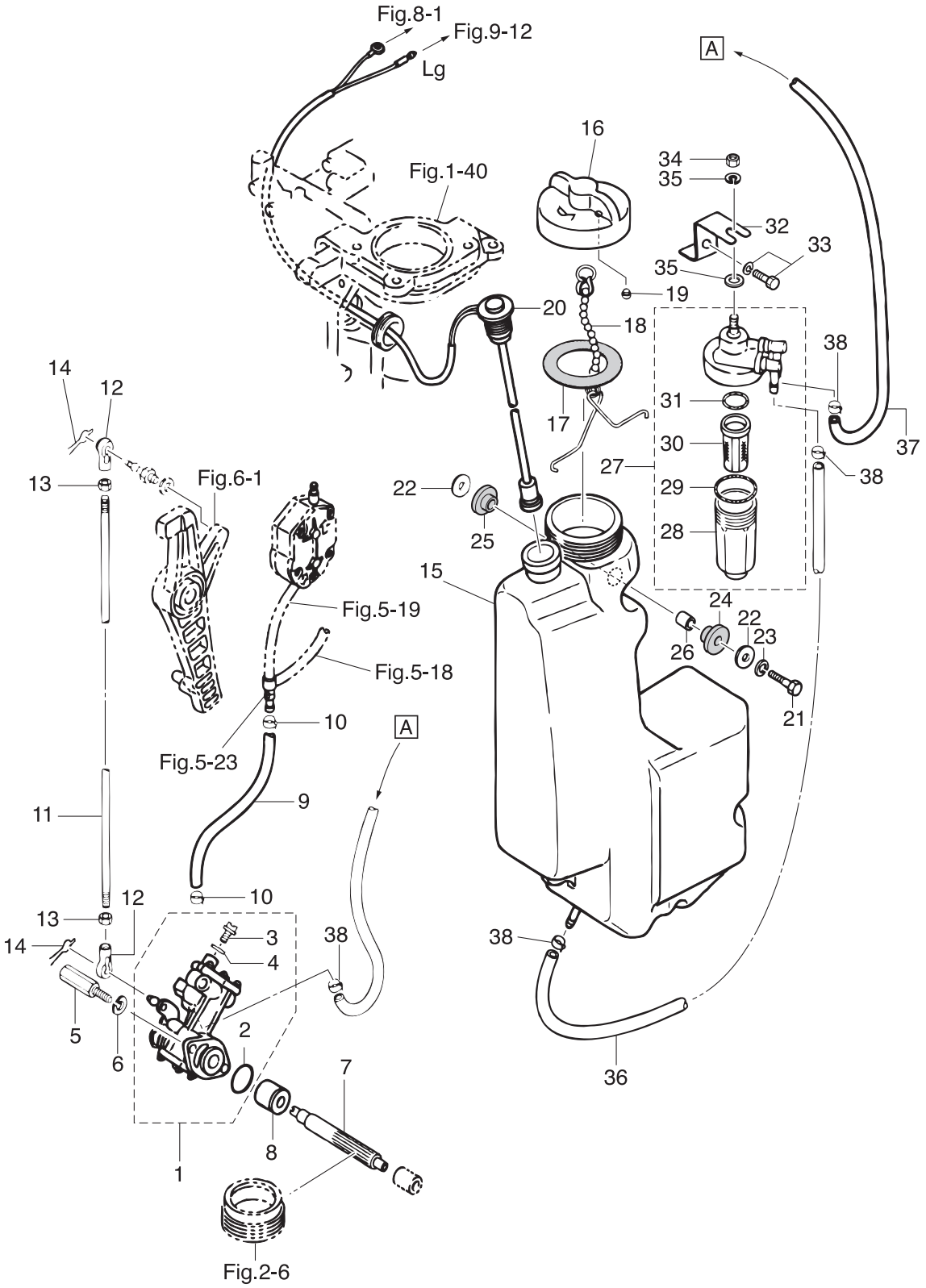
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
9-30	353-76073-0	* PLUNGER	1	
9-31	353-76057-2	CHOKE SOLENOID HOOK	1	
9-32	951403-0312	SPRING PIN 3-12	1	
9-33	910103-6625	BOLT	2	
9-34	122-35083-0	RUBBER MOUNT 9-23-4	4	
9-35	353-76079-0	COLLAR 6.2-9-9.3	2	
9-36	346-67115-0	WASHER 6.5-21-1	4	
9-37	3B7-76172-1	OVERHEAT SENSOR ASSY	1	
9-38	3B7-76180-3	PRESSURE SWITCH ASSY	1	
9-39	921503-6314	SCREW	2	
9-40	921503-7414	SCREW	7	
9-41	921503-6410	SCREW	2	
9-42	910103-6630	BOLT	2	
9-43	346-67113-0	MOUNT 8.5-14-2.5	2	
9-44	3B7-06920-0	RUBBER MOUNT 8.5-14-2.5	2	
9-45	346-67114-1	SPACER 6.2-9-15.7	2	
9-46	346-67115-0	WASHER 6.5-21-1	2	
9-47	98AB-70-250	HOSE	1	98AB-701000
9-48	345-70114-1	CLIP ϕ11.3	2	

Fig. 10 OIL PUMP (AUTO MIXING)



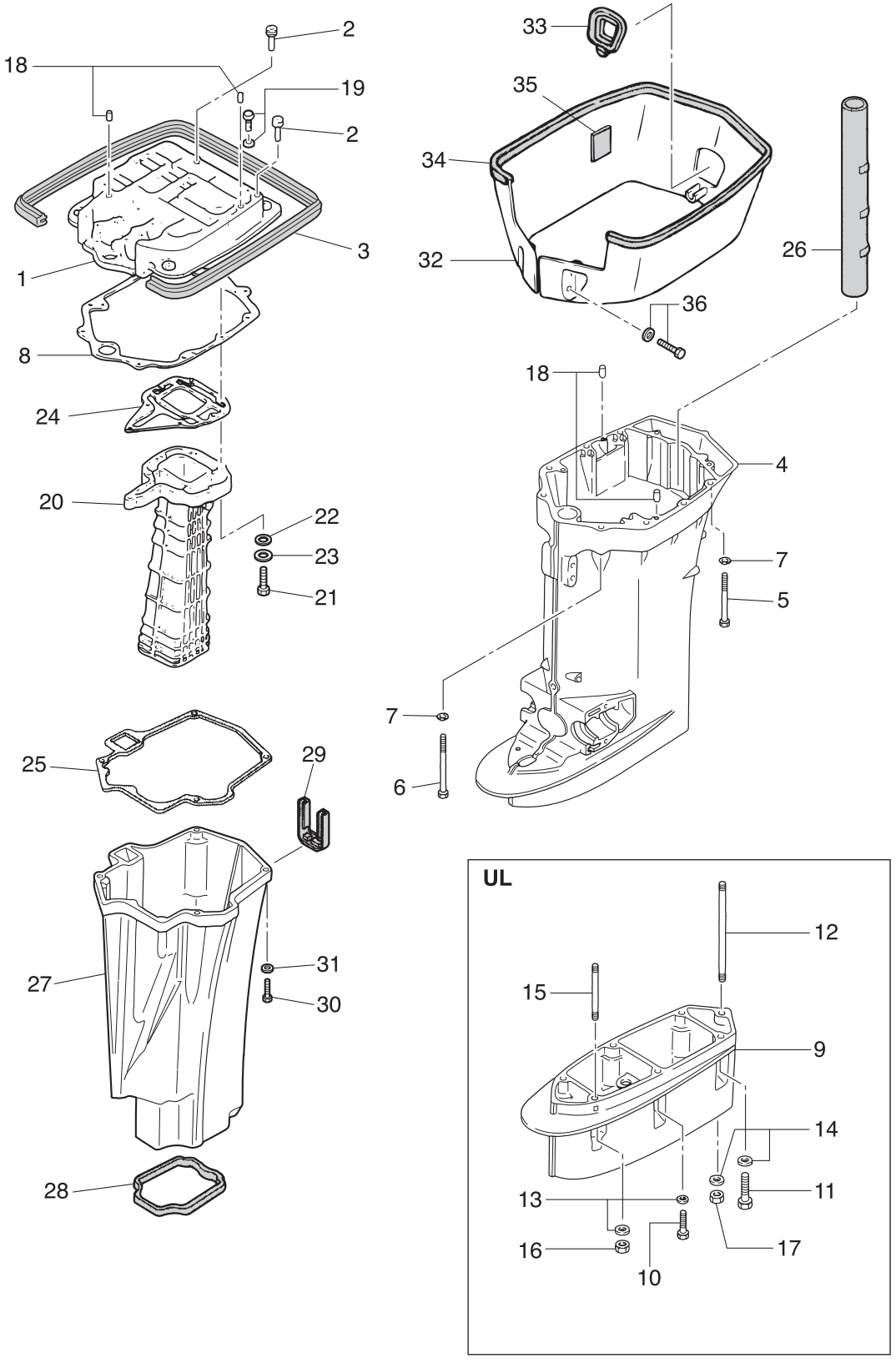
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
10-1	3B7-09000-1	OIL PUMP ASSY	1	
10-2	3B7-09002-0	* O-RING 1.6-19.2	1	
10-3	3B7-09004-0	* AIR VENT BOLT	1	
10-4	3B7-09006-0	* WASHER	1	
10-5	3B7-09050-0	OIL PUMP BOLT	2	
10-6	941303-0600	SPRING WASHER	2	
10-7	3B7-09065-0	OIL PUMP DRIVEN GEAR	1	
10-8	3B7-09069-0	BUSHING 9-20-20.8	1	
10-9	99AA-4-0480	PIPE	1	Oil Pump-Check Valve 99AA-4-1000
10-10	3C7-09056-1	CLIP ϕ8.5	2	
10-11	3B7-09053-1	OIL PUMP ROD	1	
10-12	3B7-05243-0	BALL JOINT CONNECTOR	2	
10-13	930103-0500	NUT	2	
10-14	951703-0500	SNAP RETAINER d=5	2	
10-15	3B7-71010-2	OIL TANK	1	
10-16	3C8-71015-0	OIL FILLER CAP	1	
10-17	3C8-71016-0	GASKET 36-52-2	1	
10-18	3C8-71017-0	CAP HOOK	1	
10-19	3C8-71018-0	OIL TANK CAP CHECK VALVE	1	
10-20	3B7-71020-1	OIL LEVEL SENSOR	1	
10-21	910103-0630	BOLT	3	
10-22	346-67115-0	WASHER 6.5-21-1	6	
10-23	941303-0600	SPRING WASHER	3	
10-24	346-67113-0	MOUNT 8.5-14-2.5	3	
10-25	3B7-06920-0	RUBBER MOUNT 8.5-14-2.5	3	
10-26	346-67114-1	SPACER 6.2-9-15.7	3	
10-27	3C7-71030-0	OIL FILTER ASSY	1	
10-28	3B7-02237-0	* CUP	1	
10-29	3B7-02235-0	* O-RING	1	

Fig. 10 OIL PUMP (AUTO MIXING)



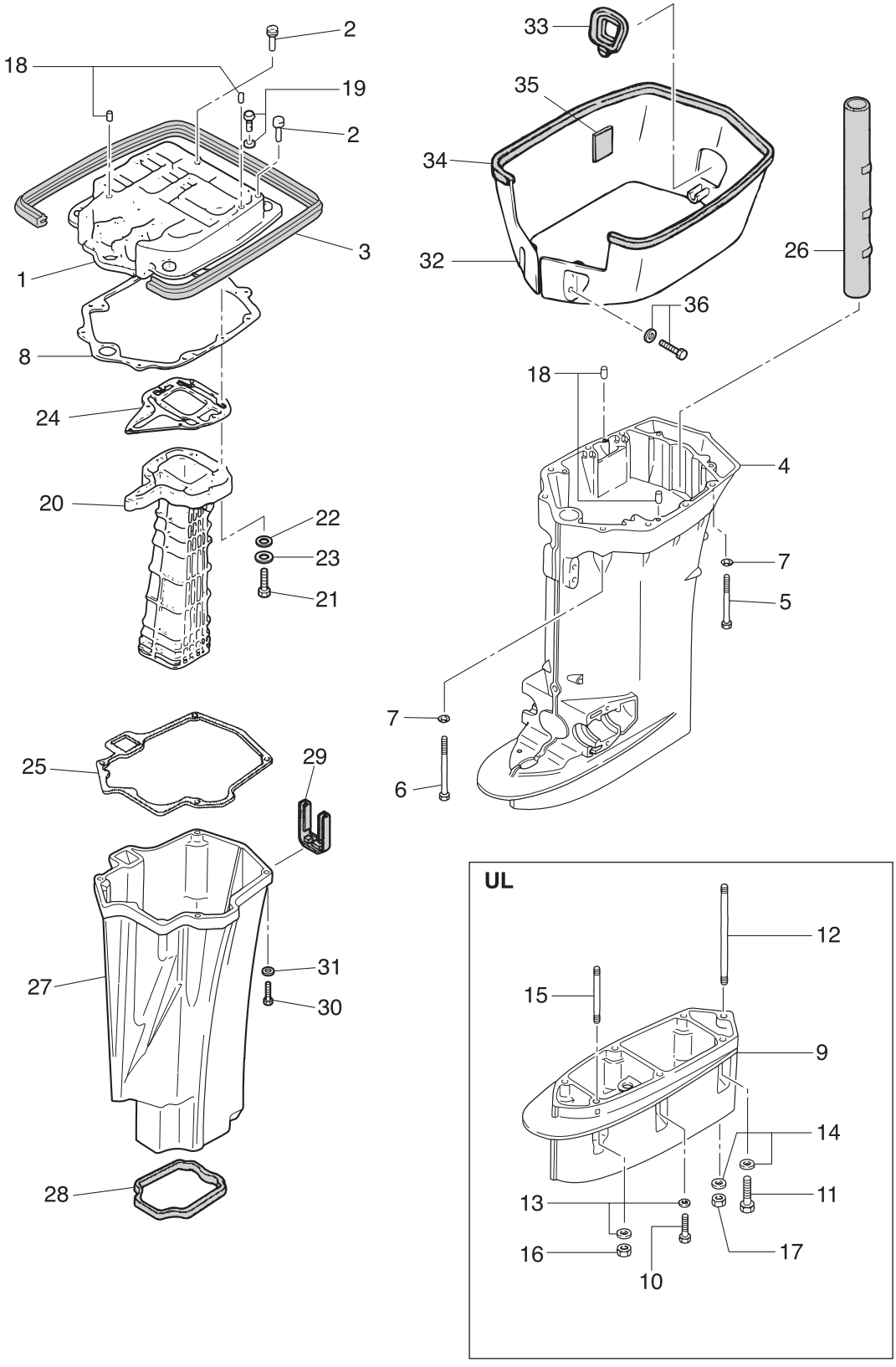
Ref.No.		Part No.	Description	Q'ty M90A2	Remarks
10-30		3C7-71033-0	* FILTER	1	
10-31		3B7-02236-0	* O-RING	1	
10-32		3T5-02239-0	PLATE	1	
10-33		910103-6614	BOLT	1	
10-34		930103-0800	NUT	1	
10-35		940103-0800	WASHER	2	
10-36		99AA-6-0540	PIPE	1	Oil Tank-Oil Filter 99AA-6-1000
10-37		99AA-6-0735	PIPE	1	Oil Filter-Oil Pump 99AA-6-1000
10-38		3AB-35143-0	CLIP ϕ9.4	4	

Fig. 11 DRIVE SHAFT HOUSING



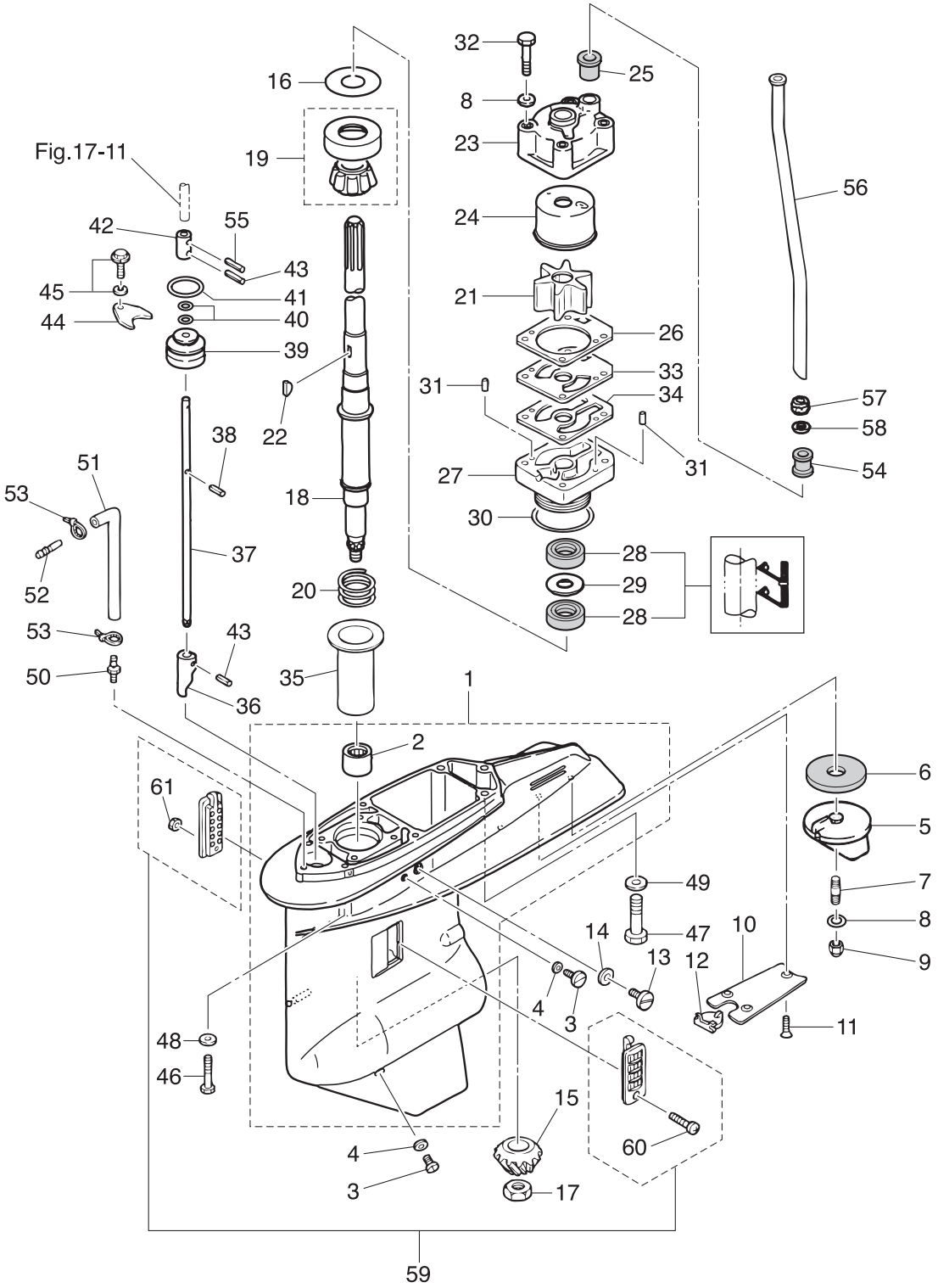
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
11-1	3B7Q01301-0	ENGINE BASEMENT	1	
11-2	3B7-67179-0	DRAIN PLUG (ENGINE BASEMENT)	2	
11-3	3B7-67116-0	ENGINE BASEMENT SEAL L=690	1	
11-4	3B7Q61192-4	DRIVE SHAFT HOUSING (L)	1	
11-5	3B7-61017-3	BOLT 8-105	6	
11-6	3B7-61018-2	BOLT 8-115	2	
11-7	9401E3-0800	WASHER	8	
11-8	3B7-61012-2	DRIVE SHAFT HOUSING GASKET	1	
11-9	3B7Q61110-0	EXTENSION HOUSING	1	for Transom "UL"
11-10	3T1-60001-1	BOLT 8-35	3	for Transom "UL"
11-11	3B7-60001-5	BOLT 10-40	2	for Transom "UL"
11-12	3B7-61112-1	STUD 10-165	1	for Transom "UL"
11-13	9401E3-0800	WASHER	4	for Transom "UL"
11-14	9402E3-1000	WASHER	3	for Transom "UL"
11-15	9153E3-0825	STUD	1	for Transom "UL"
11-16	930103-0800	NUT	1	for Transom "UL"
11-17	3B7-61114-0	NUT 10-P1.25	1	for Transom "UL"
11-18	345-01111-0	DOWEL PIN 6-12	4	
11-19	910103-5635	BOLT	2	
11-20	3B7-02311-0	EXHAUST PIPE	1	
11-21	9101F4-0635	BOLT	7	
11-22	940103-0600	WASHER	7	
11-23	941303-0600	SPRING WASHER	7	
11-24	3B7-02312-2	EXHAUST PIPE GASKET	1	
11-25	3B7-61181-2	EXHAUST HOUSING GASKET	1	
11-26	3B7-61186-0	REVERSE GAS PASSAGE PIPE	1	
11-27	3D8-61180-0	EXHAUST HOUSING	1	
11-28	3B7-61182-1	GROMMET	1	
11-29	3B7-61207-0	IDLE EXHAUST PORT GROMMET	1	

Fig. 11 DRIVE SHAFT HOUSING



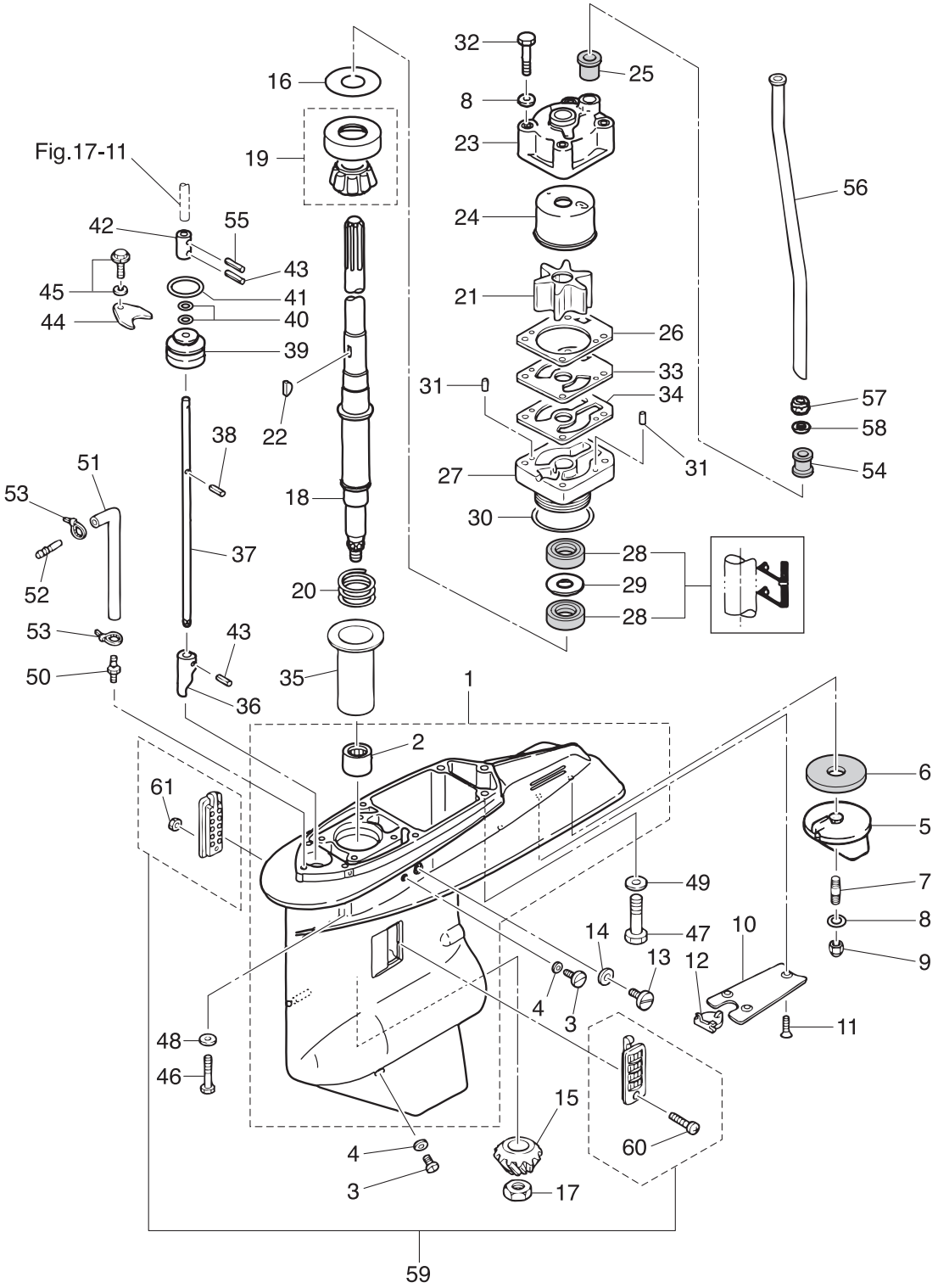
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
11-30	910103-0830	BOLT	4	
11-31	940203-0800	WASHER 8.4-15.5-1.6	4	
11-32	3C7Q61210-1	APRON	1	
11-33	3C7-61212-0	GROMMET	1	Apron
11-34	3E0-61213-0	SEAL	1	
11-35	3C7-61216-0	PAD	2	Apron
11-36	9101E3-5612	BOLT	4	

Fig. 12 GEAR CASE (DRIVE SHAFT)



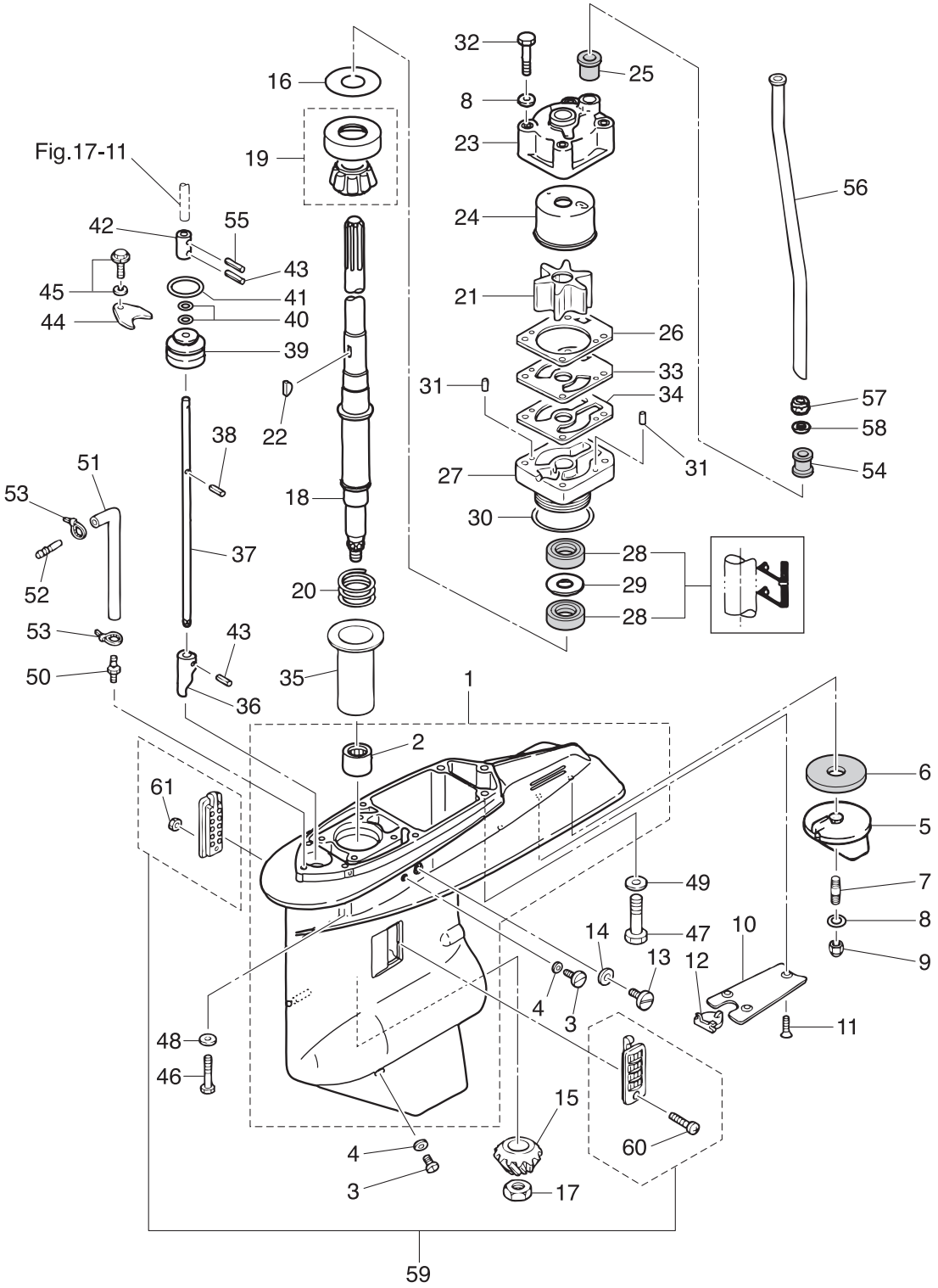
Ref.No.		Part No.	Description	Q'ty M90A2	Remarks
12-1		3B7Q60000-4	GEAR CASE ASSY	1	
12-2		3B7-60102-0	* ROLLER BEARING 25.4-33.3-31.8	1	
12-3		332-60005-2	PLUG 8-8	2	
12-4		332-60006-0	GASKET 8.1-15-1	2	
12-5		3B7-60217-1	TRIM TAB	1	
12-6		3B7-60219-0	TRIM TAB GASKET	1	
12-7		915303-0825	STUD	1	
12-8		940103-0800	WASHER	5	Trim Tab Pump Case
12-9		930403-0800	NYLON NUT 8-P1.25	1	
12-10		3B7-60012-1	GEAR CASE PLATE	1	
12-11		9216E3-0614	SCREW	3	
12-12		3B7-60013-0	GEAR CASE PLATE PLUG	1	
12-13		3B7-60015-1	PLUG	1	
12-14		3B7-60016-1	GASKET 10.1-15-1	1	
12-15		3B7-64020-0	BEVEL GEAR B	1	
12-16	1	353-64014-0	SHIM 52-60.5-0.3	A	
12-16	2	353-64015-0	SHIM 52-60.5-0.15	A	
12-16	3	353-64016-0	SHIM 52-60.5-0.1	A	
12-17		3B7-64027-0	NUT	1	
12-18	1	3B7-64302-1	DRIVE SHAFT (L)	1	for Transom "L"
12-18	2	3B7-64303-1	DRIVE SHAFT (UL)	1	for Transom "UL"
12-19		3B7-60213-0	TAPERED ROLLER BEARING 32305	1	
12-20		353-64327-0	DRIVE SHAFT SPRING	1	
12-21		3B7-65021-2	WATER PUMP IMPELLER	1	
12-22		3B7-65022-1	KEY	1	Pump Impeller
12-23		3B7-65016-0	PUMP CASE SUB-ASSY (UPPER)	1	
12-24		3B7-65238-0	PUMP CASE LINER	1	Chrome Plated
12-25		3B7-65014-0	WATER PIPE SEAL (LOWER)	1	
12-26		3B7-65018-0	PUMP CASE GASKET	1	

Fig. 12 GEAR CASE (DRIVE SHAFT)



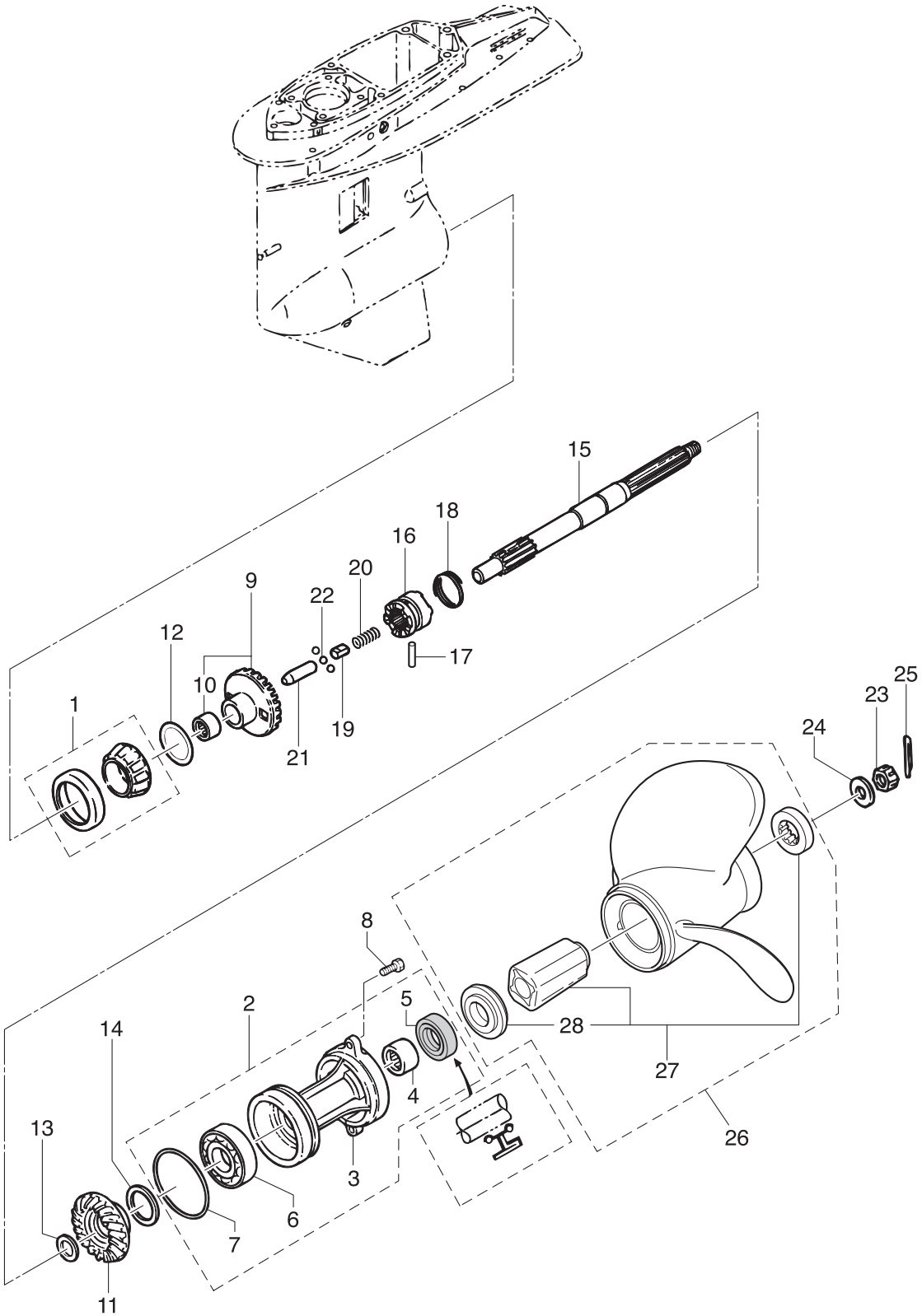
Ref.No.		Part No.	Description	Q'ty	Remarks
				M90A2	
12-27		3B7-65017-2	PUMP CASE (LOWER)	1	
12-28		3C7-60223-1	OIL SEAL 22-42-7	2	
12-29		346-64084-0	SHIM 35-41.9-0.5	1	
12-30		3B7-65015-0	O-RING 3.1-54.4	1	
12-31		334-65012-0	DOWEL PIN 4-10	2	
12-32		9161E3-0880	BOLT	4	
12-33		3B7-65239-1	WATER PUMP GUIDE PLATE	1	Chrome Plated
12-34		3B7-65029-0	GUIDE PLATE GASKET	1	
12-35		3B7-64328-0	DRIVE SHAFT SPRING GUIDE	1	
12-36		3B7-66011-1	CLUTCH CAM	1	
12-37	1	3B7-66013-1	CAM ROD (L)	1	for Transom "L"
12-37	2	3B7-66014-1	CAM ROD (UL)	1	for Transom "UL"
12-38		951403-3510	SPRING PIN 3.5-10	1	
12-39		3B7-66031-1	CAM ROD BUSHING	1	
12-40		345-66021-0	O-RING 1.9-6.8	2	
12-41		3B7-66023-0	O-RING 3.5-27.7	1	
12-42		353-66241-1	SHIFT ROD JOINT	1	
12-43		951403-3516	SPRING PIN 3.5-16	2	
12-44		353-66024-0	STOPPER	1	
12-45		910103-6612	BOLT	1	
12-46		3T1-60001-1	BOLT 8-35	4	
12-47		3B7-60001-5	BOLT 10-40	3	
12-48		9401E3-0800	WASHER	4	
12-49		9402E3-1000	WASHER	3	
12-50		3C7-60017-0	NIPPLE 6-1/8	1	
12-51	1	98AL-40-800	HOSE	1	for Transom "L" 98AL-401000
12-51	2	98AL-40-920	HOSE	1	for Transom "UL" 98AL-401000
12-52		3C7-60018-0	NIPPLE 6-6	1	
12-53		353-84398-0	BAND 100	2	

Fig. 12 GEAR CASE (DRIVE SHAFT)



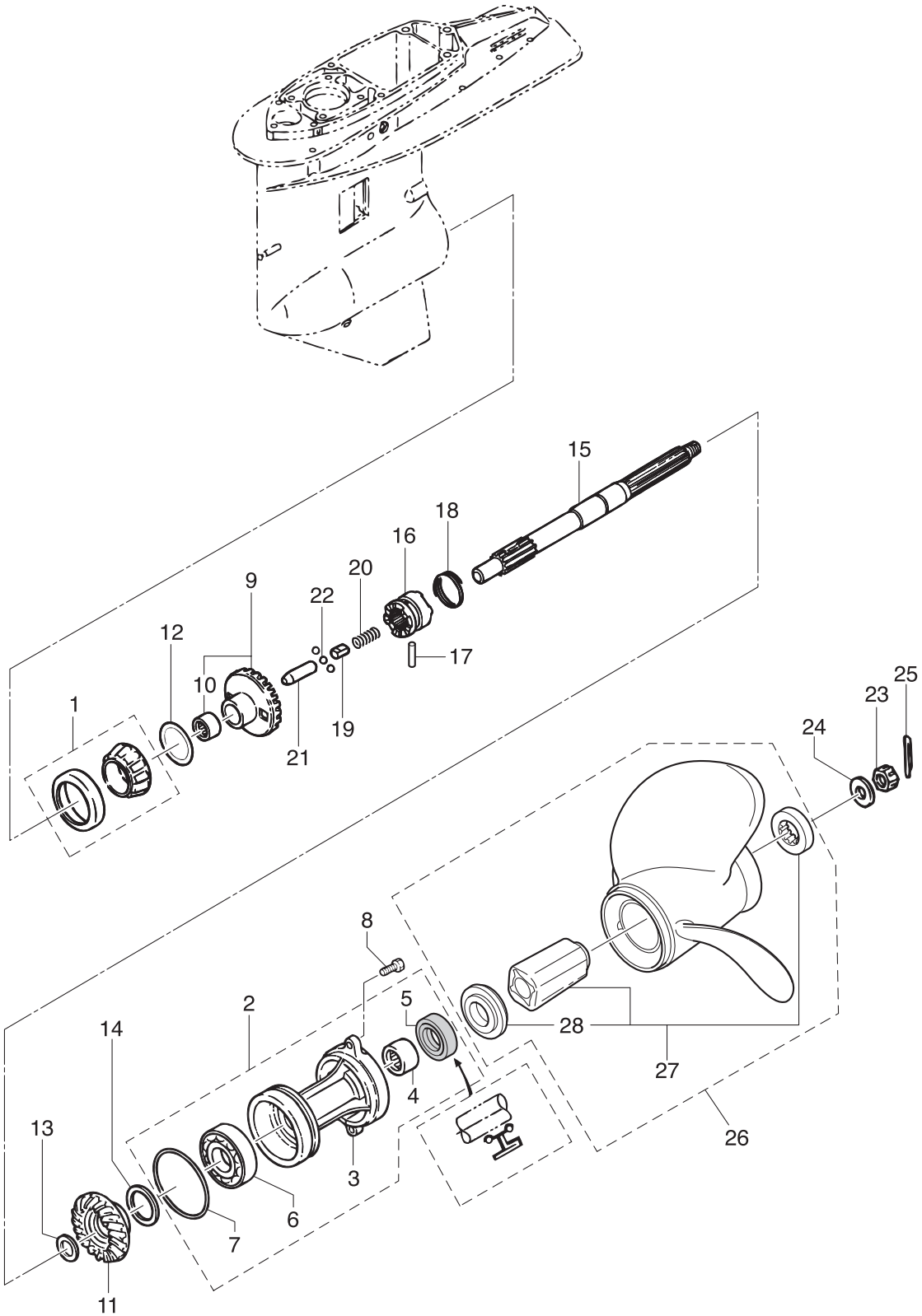
Ref.No.		Part No.	Description	Q'ty M90A2	Remarks
12-54		346-65204-0	WATER PIPE AUXILIARY MOUNT	1	Water Pipe Locking Rubber
12-55		951403-3516	SPRING PIN 3.5-16	1	
12-56	1	3B7-65110-0	WATER PIPE (L)	1	for Transom "L"
12-56	2	3B7-65120-0	WATER PIPE (UL)	1	for Transom "UL"
12-57		345-65206-0	WATER PIPE SEAL (UPPER)	1	
12-58		345-65205-0	COLLAR 18-20-4.5	1	
12-59		3C7-60205-1	WATER STRAINER SET	1	
12-60		921503-0445	* SCREW	1	
12-61		930403-0400	* NYLON NUT 4-P0.7	1	

Fig. 13 GEAR CASE (PROPELLER SHAFT)



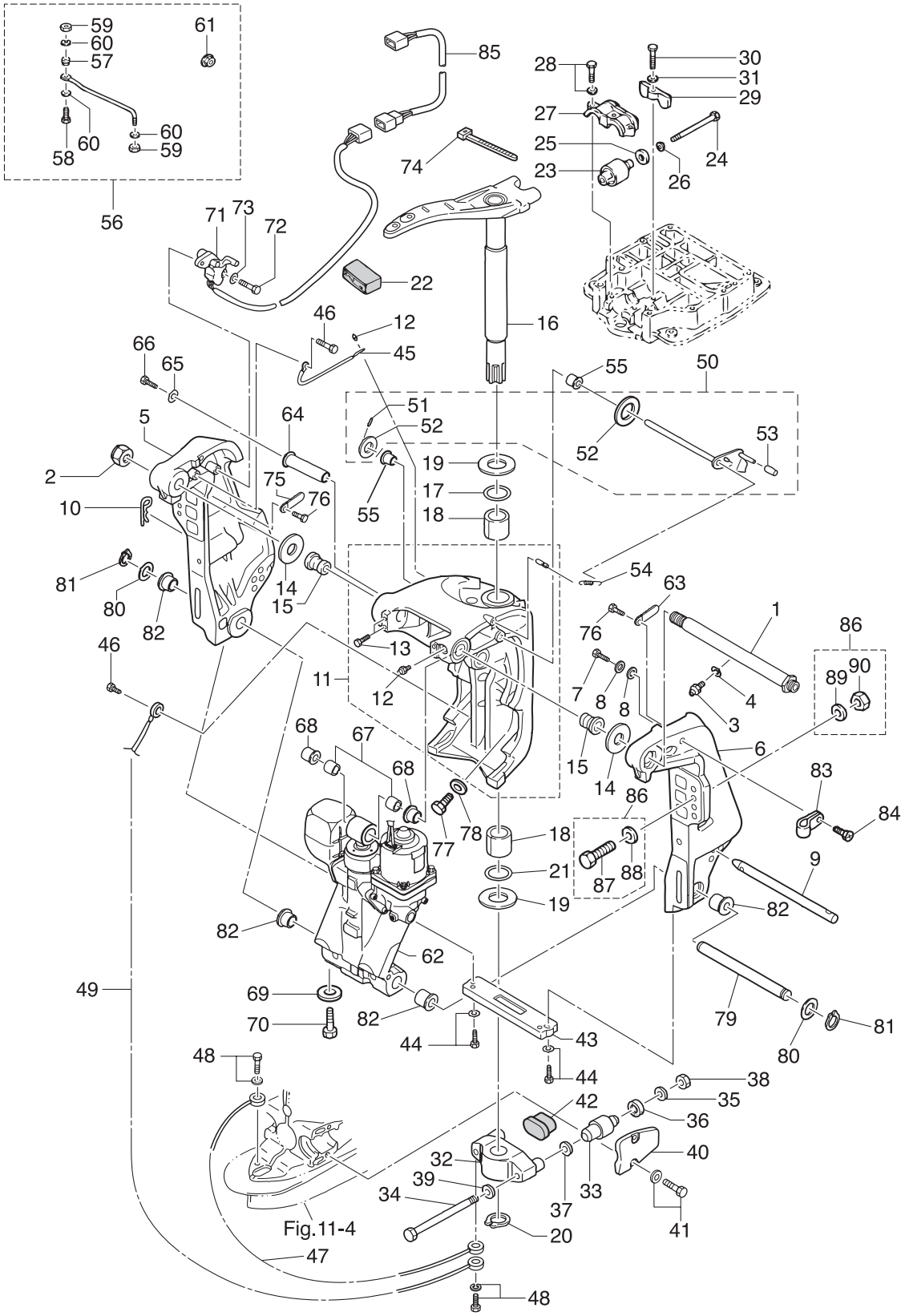
Ref.No.		Part No.	Description	Q'ty	Remarks
				M90A2	
13-1		3C7-60215-0	TAPERED ROLLER BEARING 30209	1	
13-2		3B7Q87323-1	PROPELLER SHAFT HOUSING ASSY	1	
13-3		3B7Q60101-1	* PROPELLER SHAFT HOUSING	1	
13-4		3B7-60211-0	* ROLLER BEARING 30-40-30	1	
13-5		3B7-60111-0	* OIL SEAL 30-50-12	1	
13-6		9601-0-6208	* BALL BEARING 6208	1	
13-7		3B7-60103-0	* O-RING 3.1-94.4	1	
13-8		3C7-60108-2	PRE-COATED BOLT 8-30	2	
13-9		3D8-64010-0	BEVEL GEAR ASSY (A)	1	
13-10		3B7-64011-0	* ROLLER BEARING 25-32-26	1	
13-11		3T1-64093-0	BEVEL GEAR C	1	Line=3
13-12	1	3B7-64015-0	SHIM 47-57-0.15	A	
13-12	2	3B7-64016-0	SHIM 47-57-0.1	A	
13-13	1	3B7-64032-0	WASHER t=3.2	A	
13-13	2	3B7-64034-0	WASHER t=3.0	A	
13-13	3	3B7-64035-0	WASHER t=2.8	A	
13-14	1	3B7-64036-0	SHIM 42-50-0.15	A	
13-14	2	3B7-64037-0	SHIM 42-50-0.1	A	
13-15		3B7-64211-0	PROPELLER SHAFT	1	
13-16		3T1-64215-2	CLUTCH	1	
13-17		3B7-64218-0	PIN	1	
13-18		3B7-64219-1	SNAP	1	
13-19		3T1-64222-0	SPRING RETAINER L=30.5	1	
13-20		346-64221-0	SPRING	1	
13-21		3T1-64223-0	PUSH ROD	1	
13-22		3T1-64224-0	BALL	3	
13-23		353-64121-0	PROPELLER NUT	1	
13-24		345-64124-0	WASHER 17-32-3	1	
13-25		951503-0325	SPLIT PIN 3-25	1	

Fig. 13 GEAR CASE (PROPELLER SHAFT)



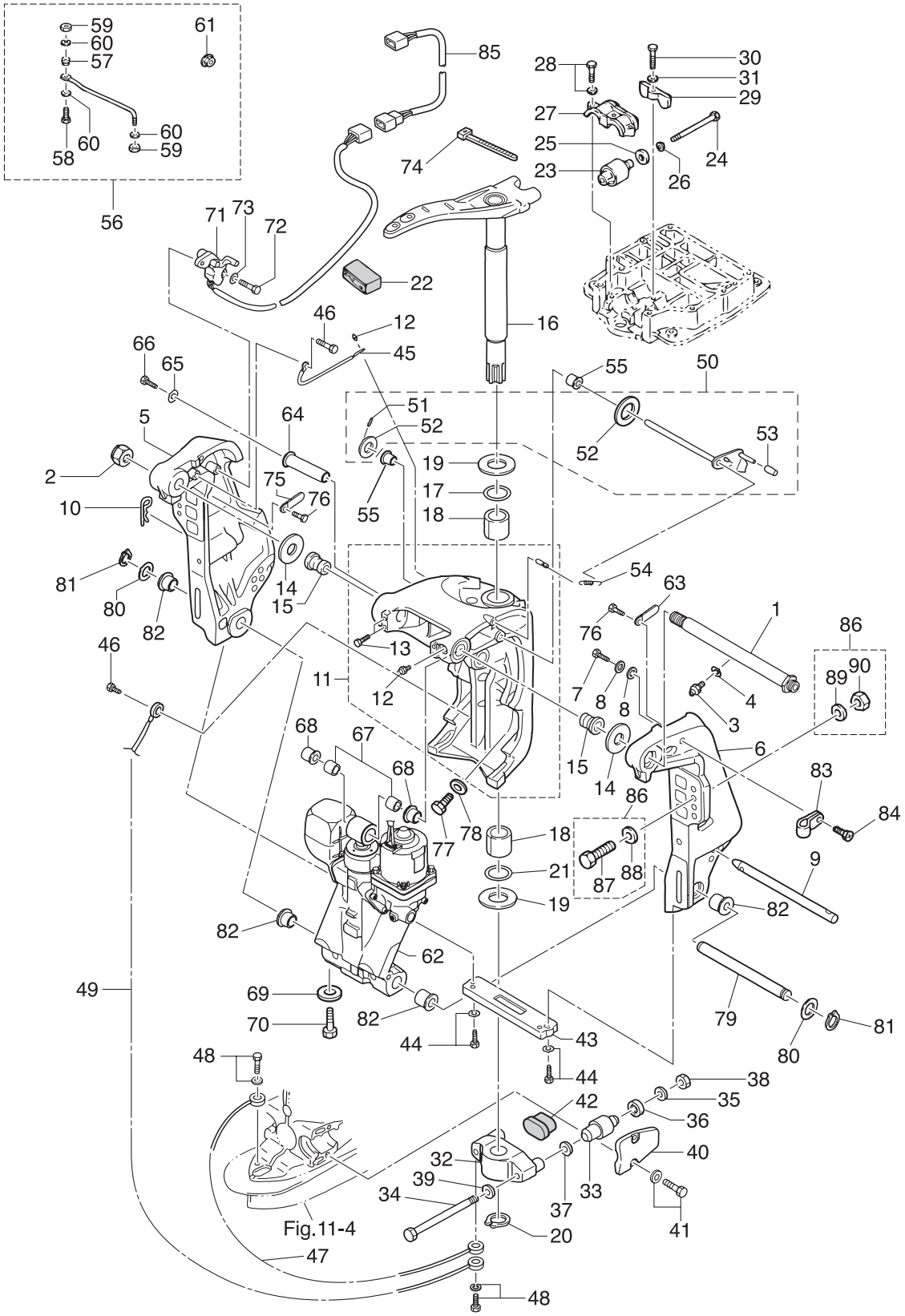
Ref.No.		Part No.	Description	Q'ty	Remarks
				M90A2	
13-26	1	3HKB64518-0	PROPELLER ASSY (9″)	1	OPT 3 x 356 x 229
13-26	2	3HKB64523-0	PROPELLER ASSY (11″)	1	OPT 3 x 356 x 279
13-26	3	3HKB64527-0	PROPELLER ASSY (13″)	1	OPT 3 x 349 x 330
13-26	4	3HKB64532-0	PROPELLER ASSY (15″)	1	STD 3 x 343 x 381
13-26	5	3HKB64536-0	PROPELLER ASSY (17″)	1	OPT 3 x 337 x 432
13-26	6	3HKB64541-0	PROPELLER ASSY (19″)	1	OPT 3 x 335 x 483
13-26	7	3HKB64545-0	PROPELLER ASSY (21″)	1	OPT 3 x 335 x 533
13-27		3HK-64238-0	* PROPELLER HUB KIT	1	
13-28		3HK-64235-0	** FORWARD THRUST WASHER	1	

Fig. 14 BRACKET



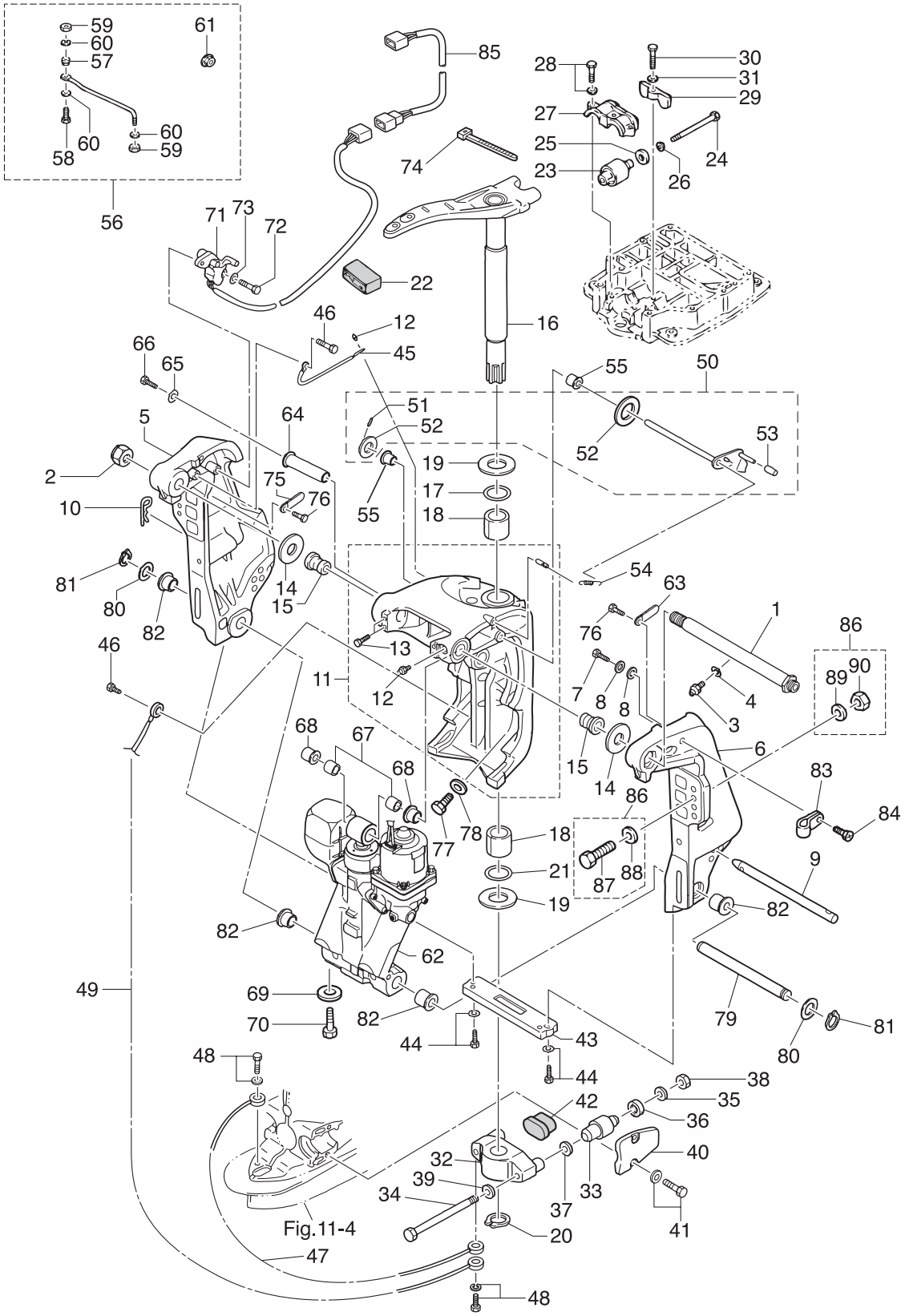
Ref.No.		Part No.	Description	Q'ty	Remarks
				M90A2	
14-1		3E0-62191-1	SWIVEL BRACKET SHAFT ASSY	1	Bracket Bolt
14-2		346-62124-1	NYLON NUT 7/8-14	1	
14-3		344-67177-1	GREASE FITTING	1	
14-4		940103-0600	WASHER	1	
14-5		3E0Q62112-0	CLAMP BRACKET (R)	1	Starboard Side
14-6		3E0Q62113-1	CLAMP BRACKET (L)	1	Port Side
14-7		9102E3-1020	BOLT	1	
14-8		9402E3-1000	WASHER	2	
14-9		3E0-62121-1	THRUST ROD	1	
14-10		3B7-62129-1	PIN	1	
14-11		3E0Q62313-3	SWIVEL BRACKET ASSY	1	
14-12		344-67177-1	* GREASE FITTING	4	
14-13		9101E3-5612	* BOLT	4	
14-14		3E0-62116-1	WASHER 25.7-50-1	2	
14-15		3E0-62126-0	BUSHING 25.6-28.6-40	2	
14-16		3B7Q62010-2	STEERING SHAFT ASSY	1	
14-17		3B7-62414-0	SEAL RING	1	
14-18		3B7-62417-0	BUSHING 32-40-45	2	
14-19		3B7-62423-1	THRUST PLATE (UPPER)	2	
14-20		945103-3200	C-RING d=32	1	
14-21		3B7-62415-0	O-RING 4.5-32	1	
14-22	1	3B7-62095-0	STEERING ARM DAMPER L=20	1	for Transom "L"
14-22	2	3B7-62096-0	STEERING ARM DAMPER L=40	1	for Transom "UL"
14-23		3B7-61301-0	RUBBER MOUNT (UPPER)	2	
14-24		3B7-61307-2	BOLT 7/16-115	2	
14-25		3C7-61338-0	DAMPER 21-36-5	2	
14-26		3B7-61335-0	WASHER 11.5-32-3	2	
14-27		3B7-61341-1	MOUNT HOLDING PLATE (UPPER)	1	
14-28		9101E3-5835	BOLT	3	

Fig. 14 BRACKET



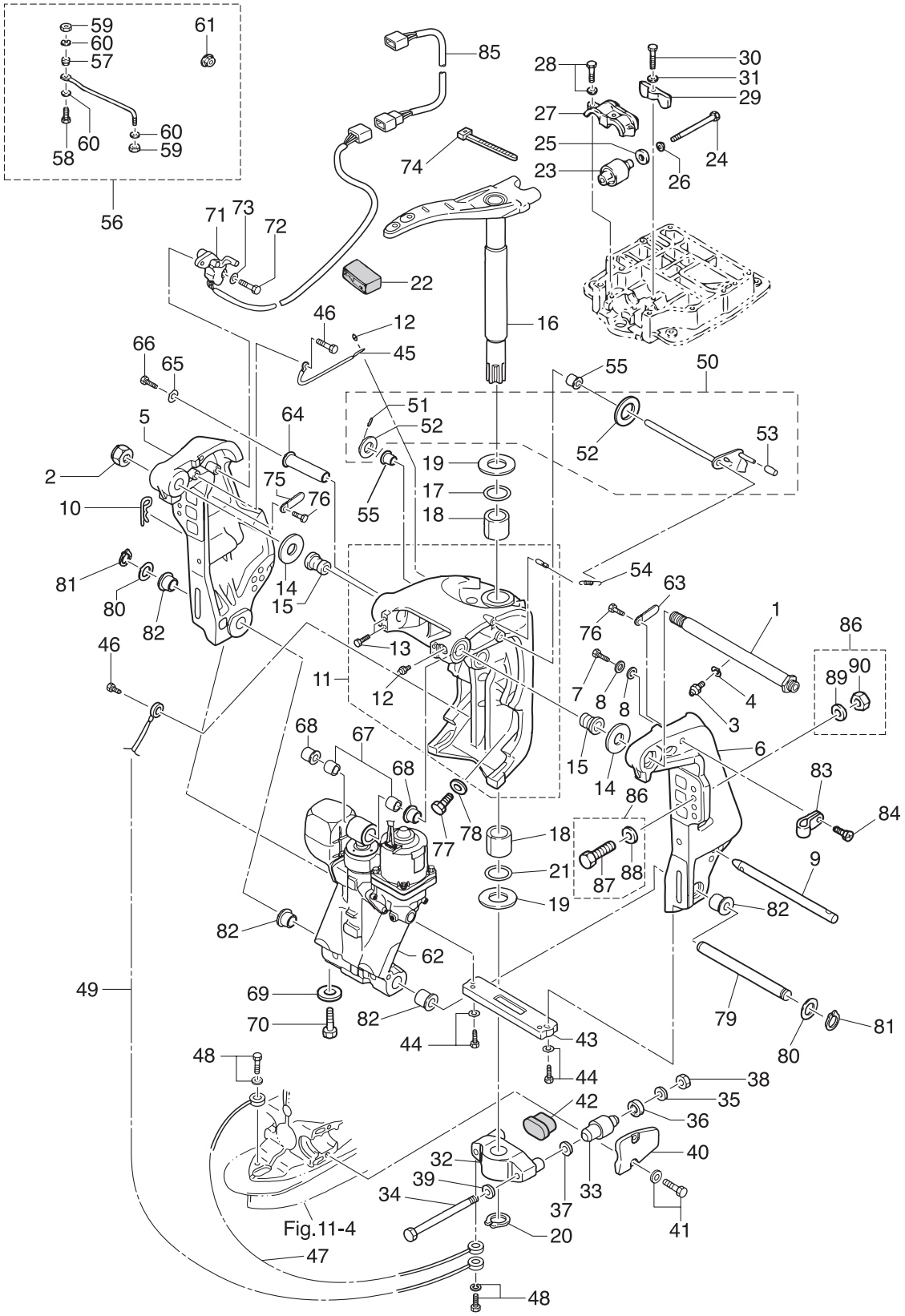
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
14-29	3B7-61339-0	DAMPER (UPPER)	1	
14-30	910103-0625	BOLT	1	
14-31	3C8-66308-0	WASHER 6-16-1.5	1	
14-32	3B7Q61411-2	MOUNT BRACKET	1	
14-33	353-61302-2	RUBBER MOUNT (LOWER)	2	
14-34	353-61321-3	BOLT	2	
14-35	353-61334-0	WASHER 13-34-3	2	
14-36	3C7-61338-0	DAMPER 21-36-5	2	
14-37	353-61315-1	WASHER 12.2-25-2	2	
14-38	3B7-61324-0	NUT 12-P1.5	2	
14-39	9402E3-1200	WASHER	2	
14-40	3B7Q61342-0	MOUNT HOLDING PLATE (LOWER)	2	
14-41	3N4-61343-0	BOLT 8-25	4	
14-42	353-61336-0	DAMPER (LOWER)	1	
14-43	3C7-60218-2	ANODE	1	
14-44	910103-6630	BOLT	2	
14-45	398-62396-1	GROUND L=130	1	Swivel Bracket -Clamp Bracket
14-46	910103-5612	BOLT	2	
14-47	3A3-62396-1	GROUND L=110	1	Mount Bracket -Drive Shaft Housing
14-48	9101E3-5612	BOLT	2	
14-49	3C8-62396-1	GROUND L=210	1	Mount Bracket -Swivel Bracket
14-50	3Y9-62431-1	TILT STOPPER ASSY	1	
14-51	951403-3516	* SPRING PIN 3.5-16	1	
14-52	3T1-61315-0	* WASHER 10.5-18-2	2	
14-53	3Y9-62433-0	* TILT STOPPER GRIP	1	
14-54	3E0-62473-1	TILT STOPPER SPRING	1	
14-55	353-63207-0	COLLAR 10.2-12-12	2	
14-56	3E0-84905-0	DRAG LINK ASSY	1	
14-57	3E0-84914-0	* SPACER	1	

Fig. 14 BRACKET



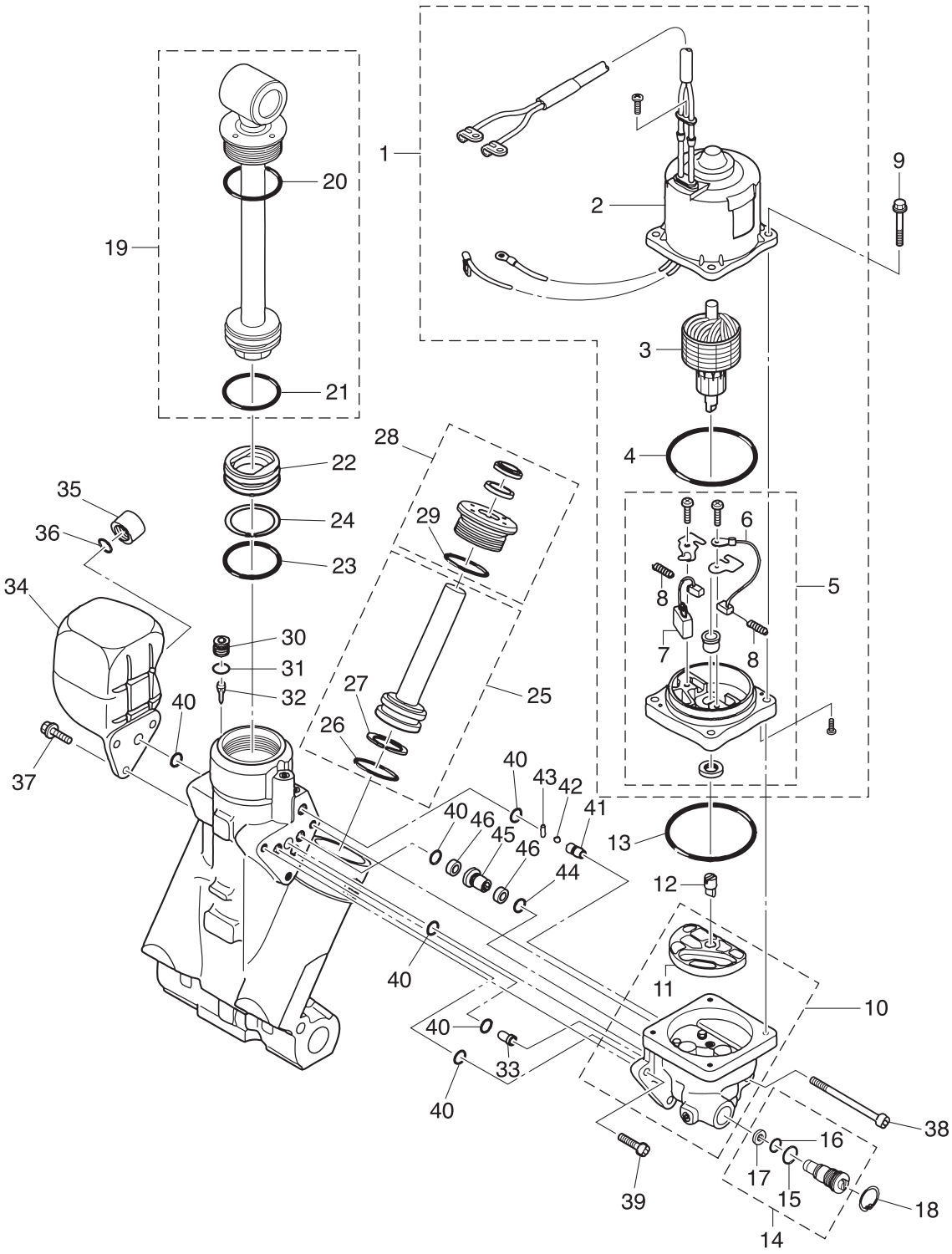
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
14-58	3E0-84917-0	* BOLT 3/8-50	1	
14-59	353-84918-0	* NYLON NUT 3/8-24UNF	2	
14-60	353-84916-0	* WASHER 9.6-18-2	3	
14-61	3F3-84908-0	* SEAL RING	1	
14-62	3E0-77150-1	PTT ASSY	1	see Fig.15
14-63	309-06972-0	CLAMP 6.5-47.5P	1	
14-64	3C8-77071-1	CYLINDER PIN (UPPER)	1	
14-65	345-05122-1	WASHER 6.5-23-1.5	1	
14-66	9101E3-0612	BOLT	1	
14-67	3C8-77075-0	BUSHING 18-24-19	2	
14-68	3E0-77076-0	BUSHING 18-20-20.5	2	
14-69	369-60218-1	ANODE	1	
14-70	910103-5616	BOLT	1	
14-71	3T1-72574-0	TRIM SENSOR L=1700	1	
14-72	9101E3-0620	BOLT	2	
14-73	3R0-66308-0	WASHER 6-16-1.5	2	
14-74	353-84398-0	BAND 100	2	
14-75	309-06972-0	CLAMP 6.5-47.5P	1	
14-76	910103-0612	BOLT	1	Clamp Bracket
14-77	3B7-77085-1	BOLT 12-20 P1.75	2	
14-78	940103-1200	WASHER	2	
14-79	3E0-77101-1	CYLINDER PIN (LOWER)	1	
14-80	346-62412-1	WASHER 22.6-30-2	2	
14-81	945103-2200	C-RING d=22	2	
14-82	3E0-77103-0	BUSHING 22-25.4-23.5	4	
14-83	345-06915-0	CLAMP 6.5-14L	1	
14-84	9215E3-5612	SCREW	1	
14-85	3T1-72573-0	EXTENSION CORD (TRIM SENSOR) L=6000	1	
14-86	3C8-72120-0	RIGGING BOLT SET	1	

Fig. 14 BRACKET



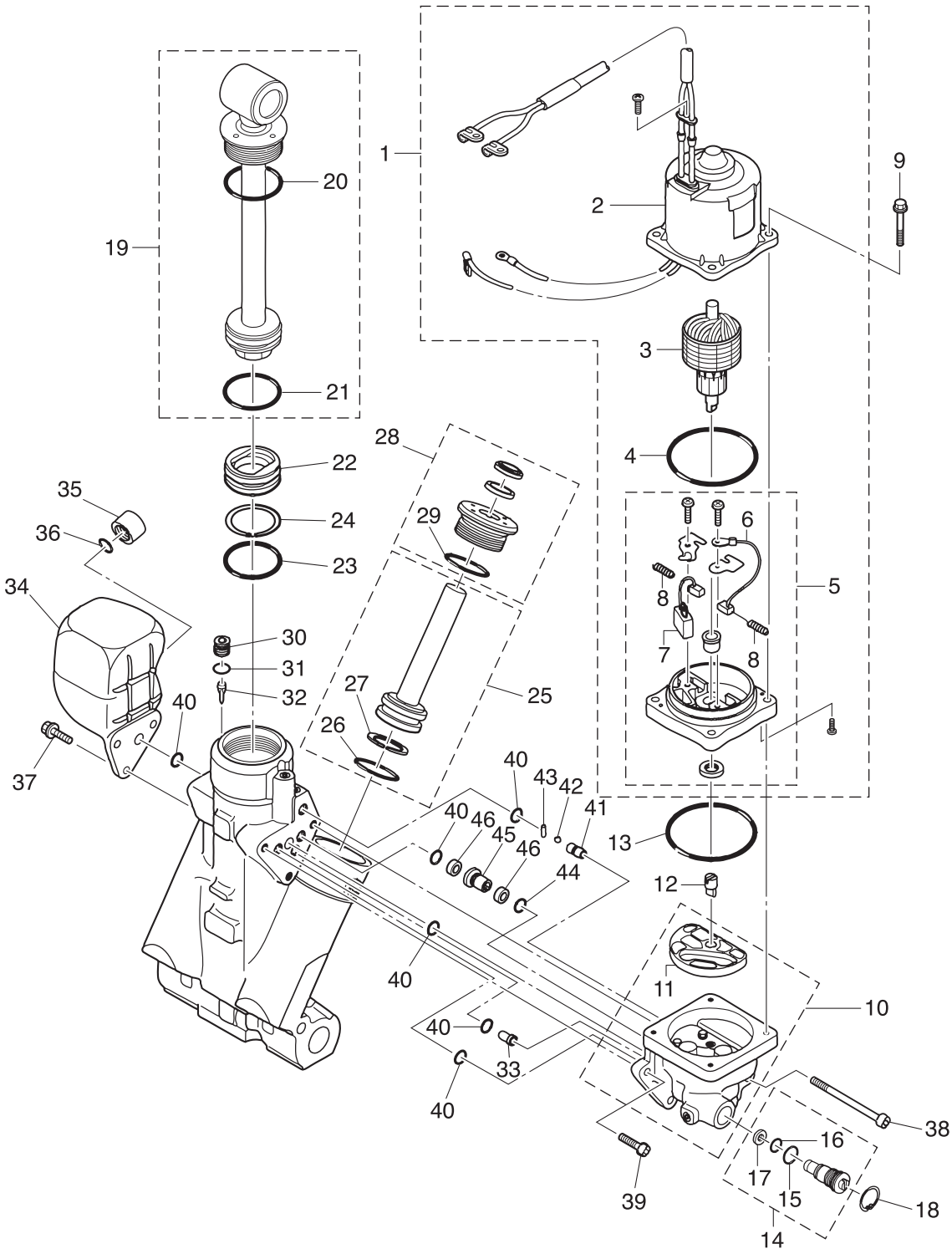
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
14-87	3C7-62133-2	* BOLT 12-105 P1.25	4	
14-88	353-61334-0	* WASHER 13-34-3	4	
14-89	940103-1200	* WASHER	4	
14-90	3C7-62139-1	* NUT 12-P1.25	4	

Fig. 15 POWER TRIM & TILT (PTT)



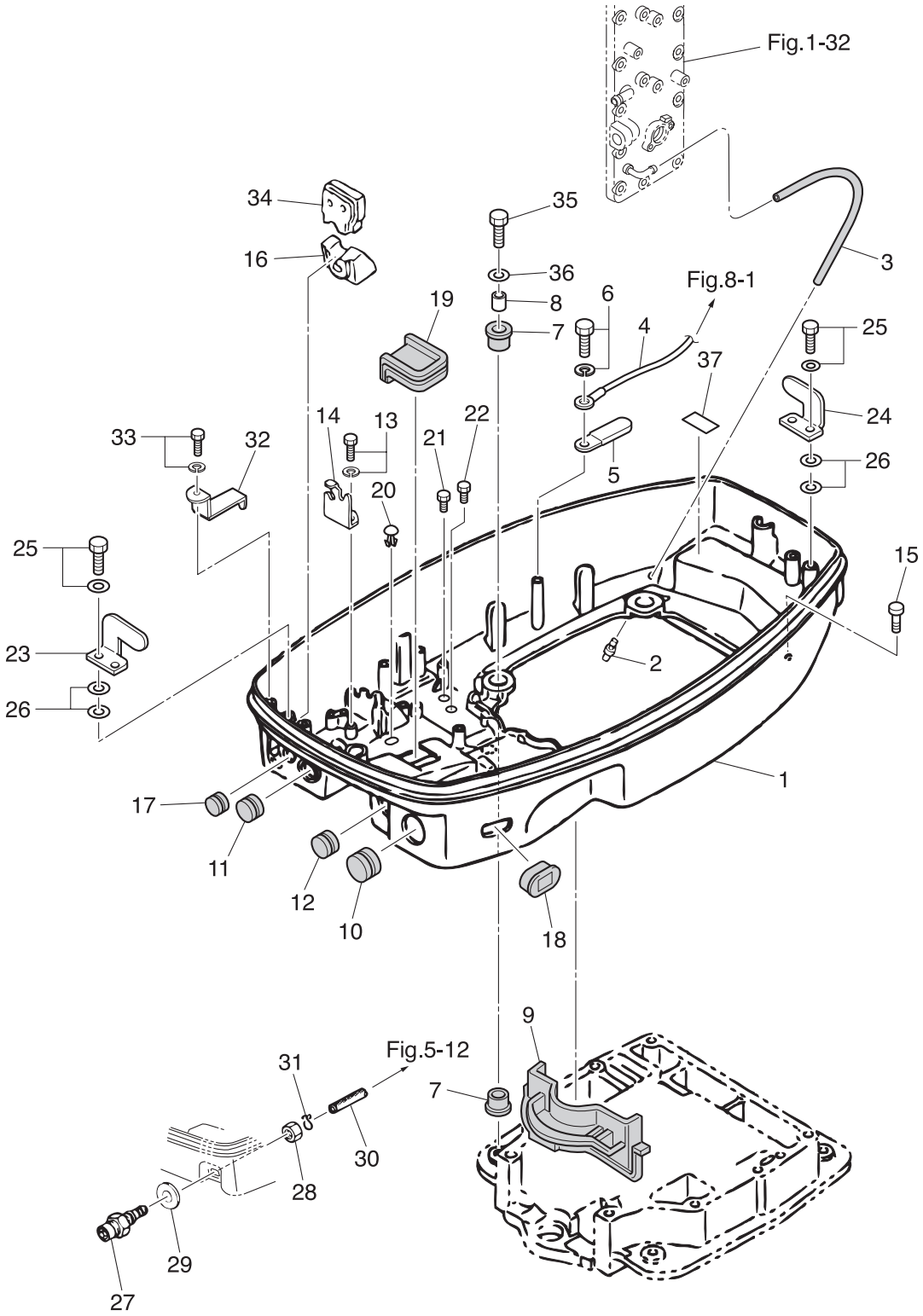
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
15-1	3E0-77180-2	MOTOR ASSY	1	
15-2	3E0-77195-0	* YOKE ASSY	1	
15-3	3E0-77190-0	* ARMATURE ASSY	1	
15-4	353-77182-1	* O-RING	1	
15-5	3E0-77192-0	* MOTOR BRACKET ASSY	1	
15-6	3E0-77183-0	** BRUSH	1	
15-7	353-77191-0	** BREAKER	1	
15-8	3E0-77184-0	** BRUSH SPRING	2	
15-9	3E0-77199-1	BOLT	4	
15-10	3E0-77430-1	PUMP	1	
15-11	3E0-77434-0	* FILTER	1	
15-12	3E0-77163-0	COUPLING	1	
15-13	3B7-77167-0	O-RING 1.8-69.6	1	
15-14	3E0-77176-1	MANUAL VALVE	1	
15-15	3B7-77411-0	* O-RING	1	
15-16	3E0-77407-0	* O-RING	1	
15-17	3E0-77408-0	* BACK-UP RING	1	
15-18	9450E3-1800	C-RING	1	
15-19	3E0-77365-1	PISTON ROD ASSY	1	
15-20	3E0-77383-0	* O-RING	1	
15-21	3B7-77375-0	* O-RING	1	
15-22	3B7-77377-1	FREE PISTON	1	
15-23	3B7-77375-0	O-RING	1	
15-24	3B7-77376-0	BACK-UP RING	1	
15-25	3E0-77388-0	TRIM PISTON ASSY	2	
15-26	3B7-77392-0	* O-RING	2	
15-27	3B7-77393-0	* BACK-UP RING	2	
15-28	3E0-77395-0	ROD GUIDE SUB-ASSY	2	
15-29	3E0-77398-0	* O-RING	2	

Fig. 15 POWER TRIM & TILT (PTT)



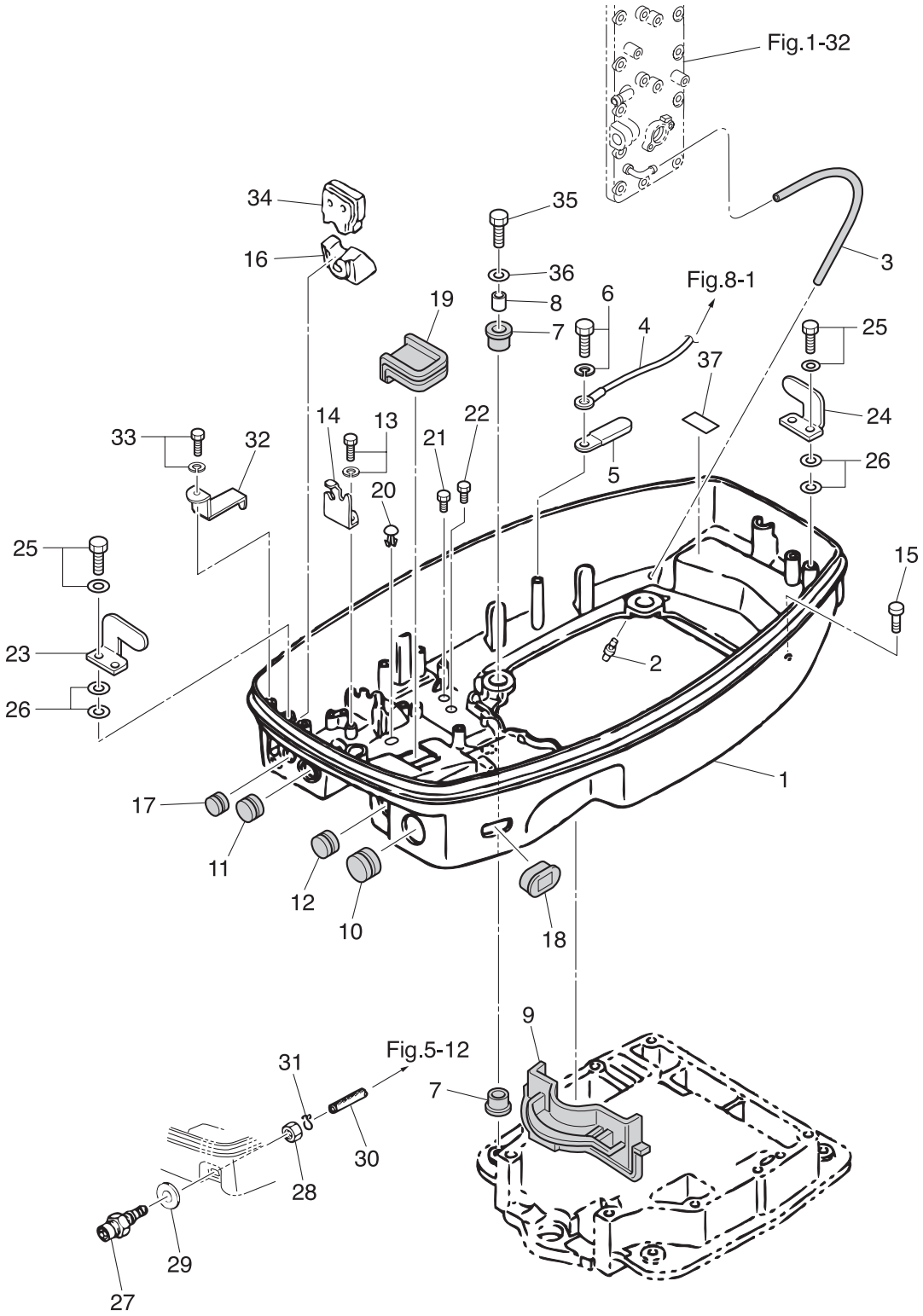
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
15-30	3E0-77472-1	PLUG	1	
15-31	3B7-77179-0	O-RING	1	
15-32	3E0-77475-0	FILTER	1	
15-33	3E0-77479-0	ORIFICE	1	
15-34	3E0-77165-0	RESERVE TANK	1	
15-35	3E0-77168-0	CAP	1	
15-36	3E0-77169-0	O-RING	1	
15-37	3E0-77159-1	BOLT	3	
15-38	3E0-77431-1	BOLT	1	
15-39	3E0-77432-1	BOLT	2	
15-40	3E0-77167-0	O-RING	6	
15-41	3E0-77557-0	ORIFICE	1	
15-42	3E0-77558-0	BALL	1	
15-43	3E0-77559-0	PIN	1	
15-44	3B7-77169-0	O-RING	1	
15-45	3E0-77453-0	VALVE SEAT	1	
15-46	3E0-77456-0	FILTER	2	

Fig. 16 BOTTOM COWL



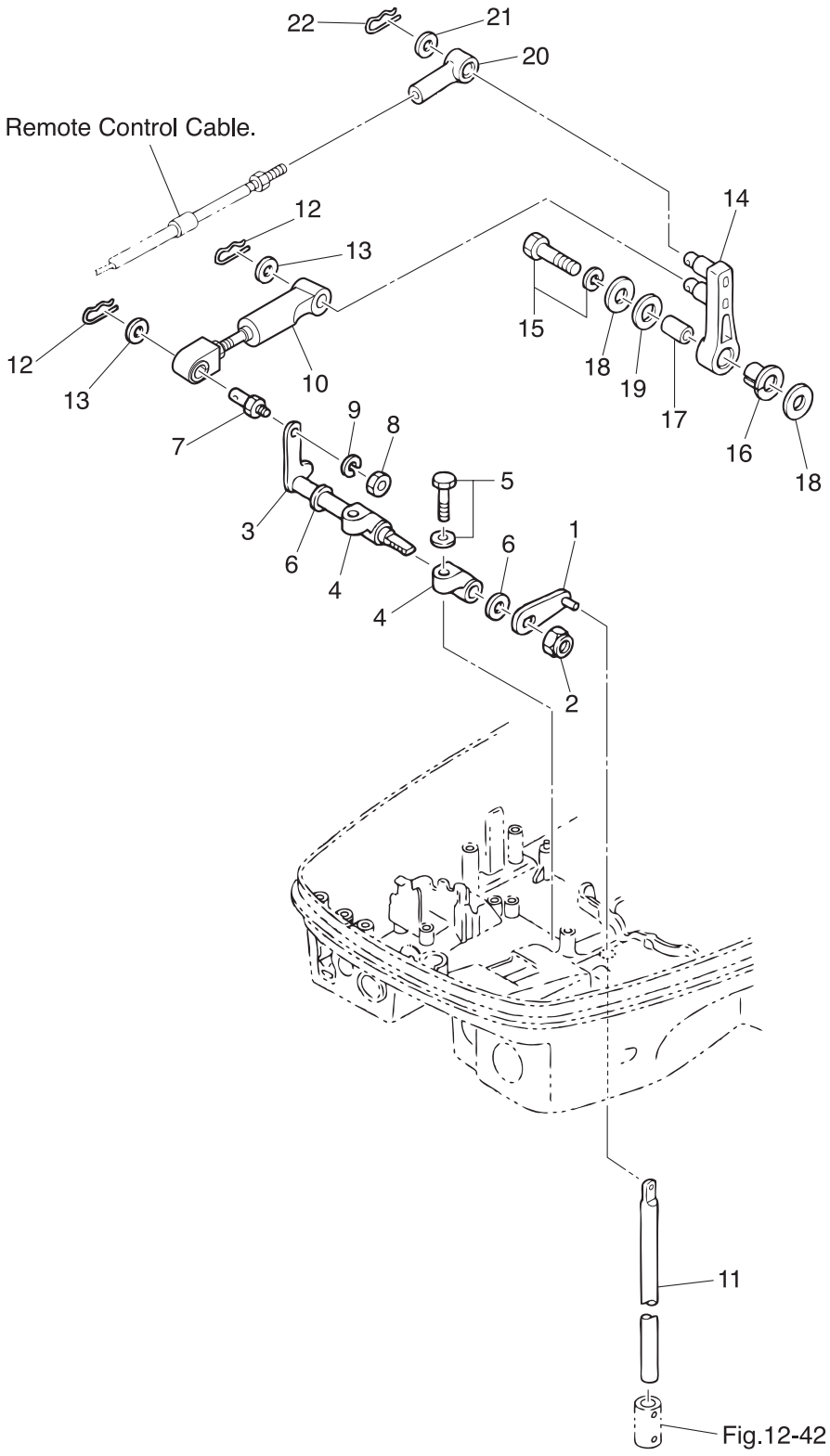
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
16-1	353Q67100-6	BOTTOM COWL	1	
16-2	3BA-01138-0	NIPPLE	1	
16-3	98AB-50-450	HOSE	1	98AB-501000
16-4	3B7-76142-1	GROUND CABLE L=120	1	Bottom Cowl -Cylinder
16-5	309-06972-0	CLAMP 6.5-47.5P	2	
16-6	910103-6612	BOLT	1	
16-7	345-67113-0	MOUNT 12-18-2.5	8	
16-8	346-67114-1	SPACER 6.2-9-15.7	4	
16-9	3B7-67164-0	GROMMET	1	
16-10	353-67165-0	GROMMET	1	
16-11	353-67166-0	GROMMET 20-7.2	1	Stop Switch
16-12	345-67161-0	GROMMET 22-3	1	
16-13	910103-6616	BOLT	2	
16-14	3B7-83720-0	CLIP	1	
16-15	338-67179-0	DRAIN PLUG (ENGINE BASEMENT)	1	
16-16	3B7-76116-0	GROMMET	1	Battery Cable
16-17	345-66226-0	GROMMET 17-3	2	
16-18	3B7-77156-0	GROMMET	1	PTT Cord
16-19	3B7-67083-0	GROMMET	1	
16-20	350-67154-0	PLASTIC RIVET 6.5	3	
16-21	910121-0610	BOLT	7	
16-22	910121-0812	BOLT	1	
16-23	353-67512-0	COVER STAY (FRONT)	1	
16-24	353-67513-0	COVER STAY (REAR)	1	
16-25	910103-6618	BOLT	4	
16-26	940103-0600	WASHER	8	
16-27	3B2-70260-1	FUEL CONNECTOR (MALE)	1	
16-28	931103-1000	NUT	1	
16-29	336-70112-0	GASKET 10.2-16-0.5	1	

Fig. 16 BOTTOM COWL



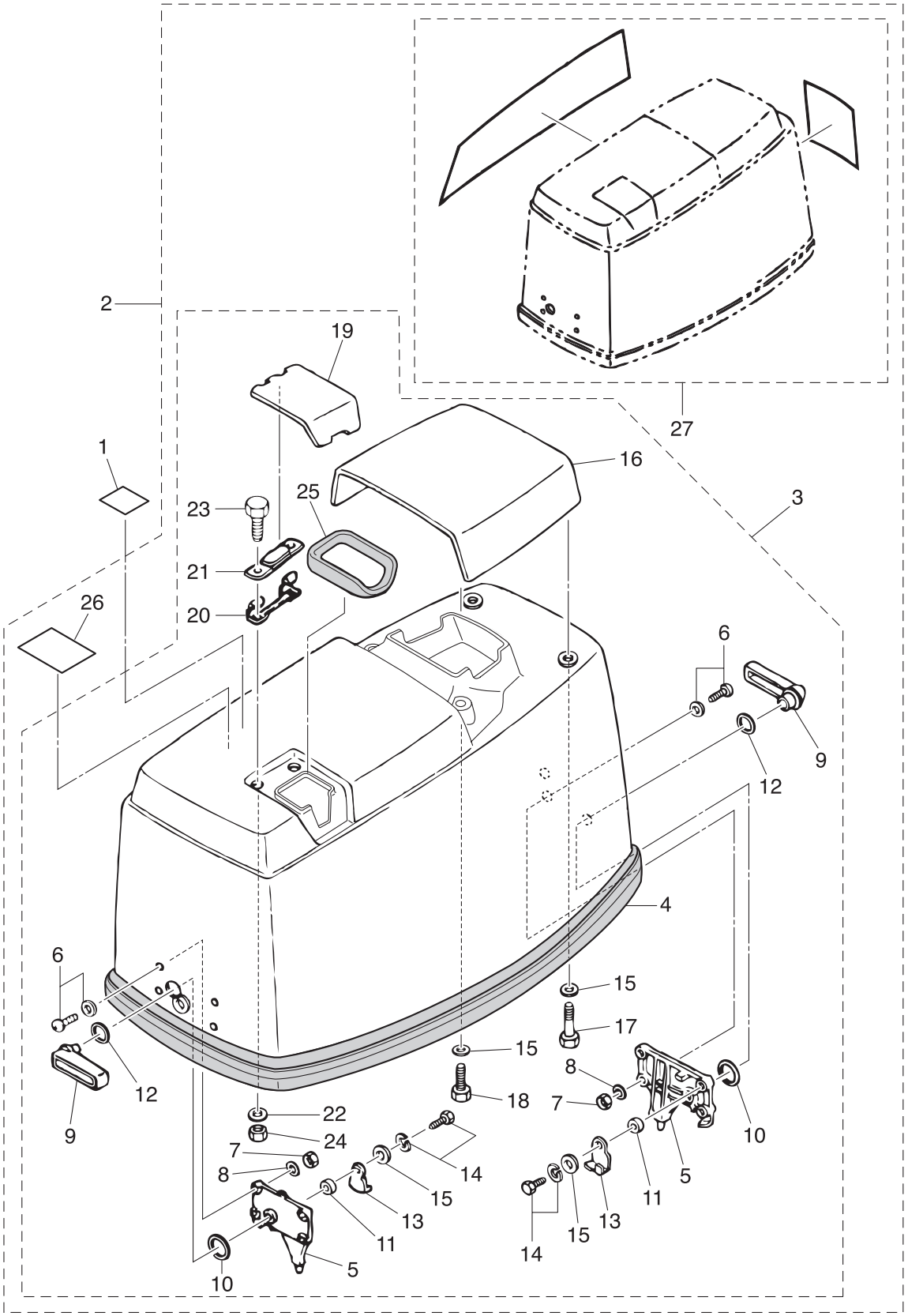
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
16-30	98AB-50-380	HOSE	1	Connector-Fuel Filter 98AB-501000
16-31	338-02215-0	CLIP ϕ10	1	
16-32	3B7-76117-0	CLAMP	1	
16-33	910103-6614	BOLT	1	
16-34	3B7-83732-0	GROMMET	1	
16-35	9101E3-0630	BOLT	4	
16-36	346-67115-0	WASHER 6.5-21-1	4	
16-37	3A3-72026-0	SPARK PLUG DECAL (BR8HS10)	1	

Fig. 17 SHIFT


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Remote Control Cable.
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Fig.12-42

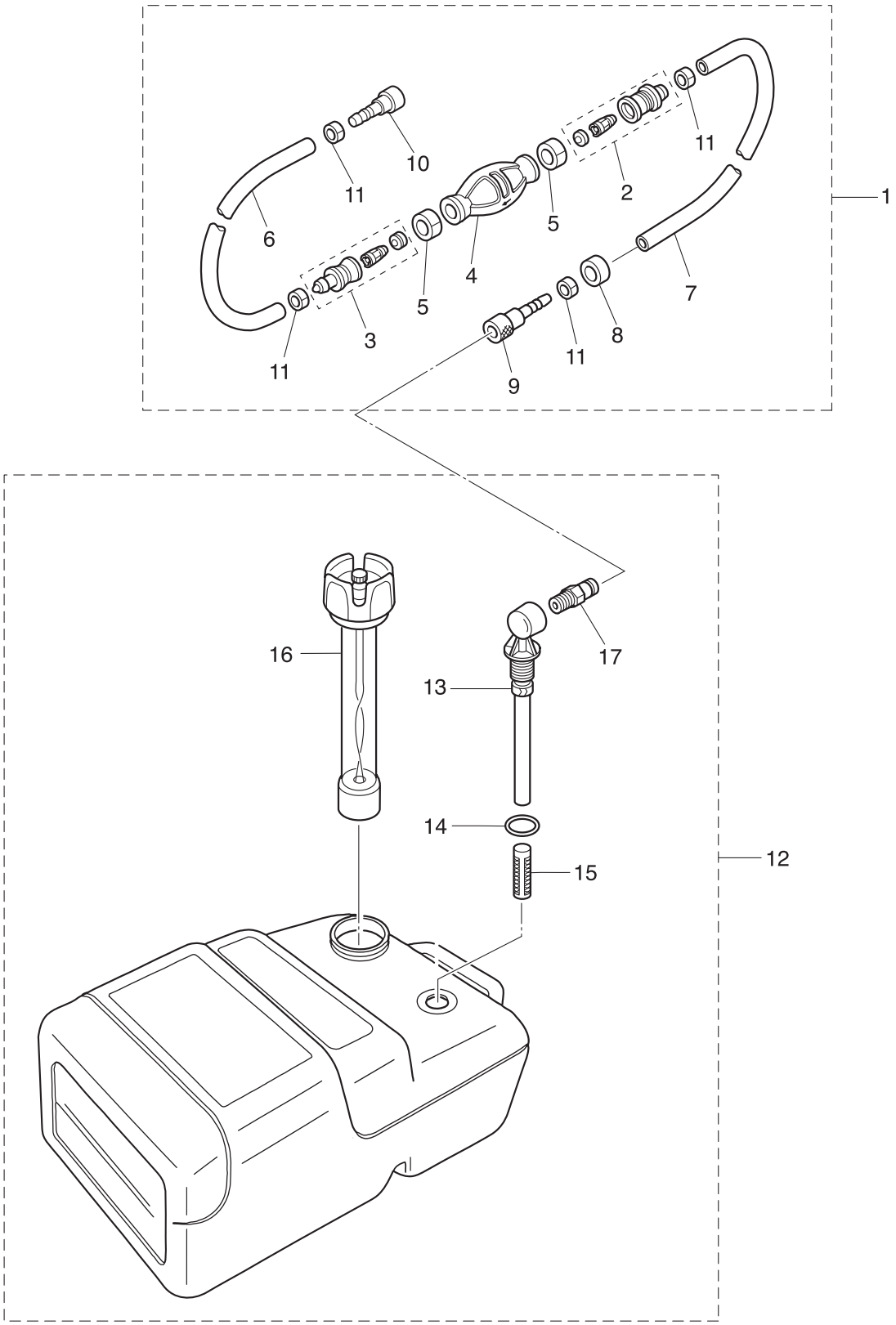
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
17-1	3T9-66110-0	SHIFT ROD LEVER	1	
17-2	930403-1000	NYLON NUT 10-P1.5	1	
17-3	3B7-66225-0	SHIFT LEVER SHAFT	1	
17-4	353-66145-1	HOLDER	2	
17-5	3T1-60108-0	PRE-COATED BOLT 8-25	2	
17-6	332-61315-0	WASHER 10.5-18-1.5	2	
17-7	353-83728-1	PIN	1	
17-8	930103-0600	NUT	1	
17-9	941303-0600	SPRING WASHER	1	
17-10	3B7-66150-3	SHIFT ASSIST ASSY	1	
17-11	353-66215-1	SHIFT ROD (L)	1	
17-12	951603-0800	SNAP PIN d=8	2	
17-13	3AA-83719-0	WASHER 8.5-18-1.6	2	
17-14	3B7-66122-2	SHIFT ARM	1	
17-15	910103-6835	BOLT	1	
17-16	3B7-63713-0	BUSHING 12-14-15.5	1	
17-17	3B7-63732-1	COLLAR 8.4-12-17	1	
17-18	3B7-63730-0	WASHER 8.5-24-1.5	2	
17-19	3B7-63731-0	WASHER 12.5-24-1	1	
17-20	3B7-83715-2	CABLE JOINT	1	
17-21	3AA-83719-0	WASHER 8.5-18-1.6	1	
17-22	951603-0800	SNAP PIN d=8	1	

Fig. 18 TOP COWL



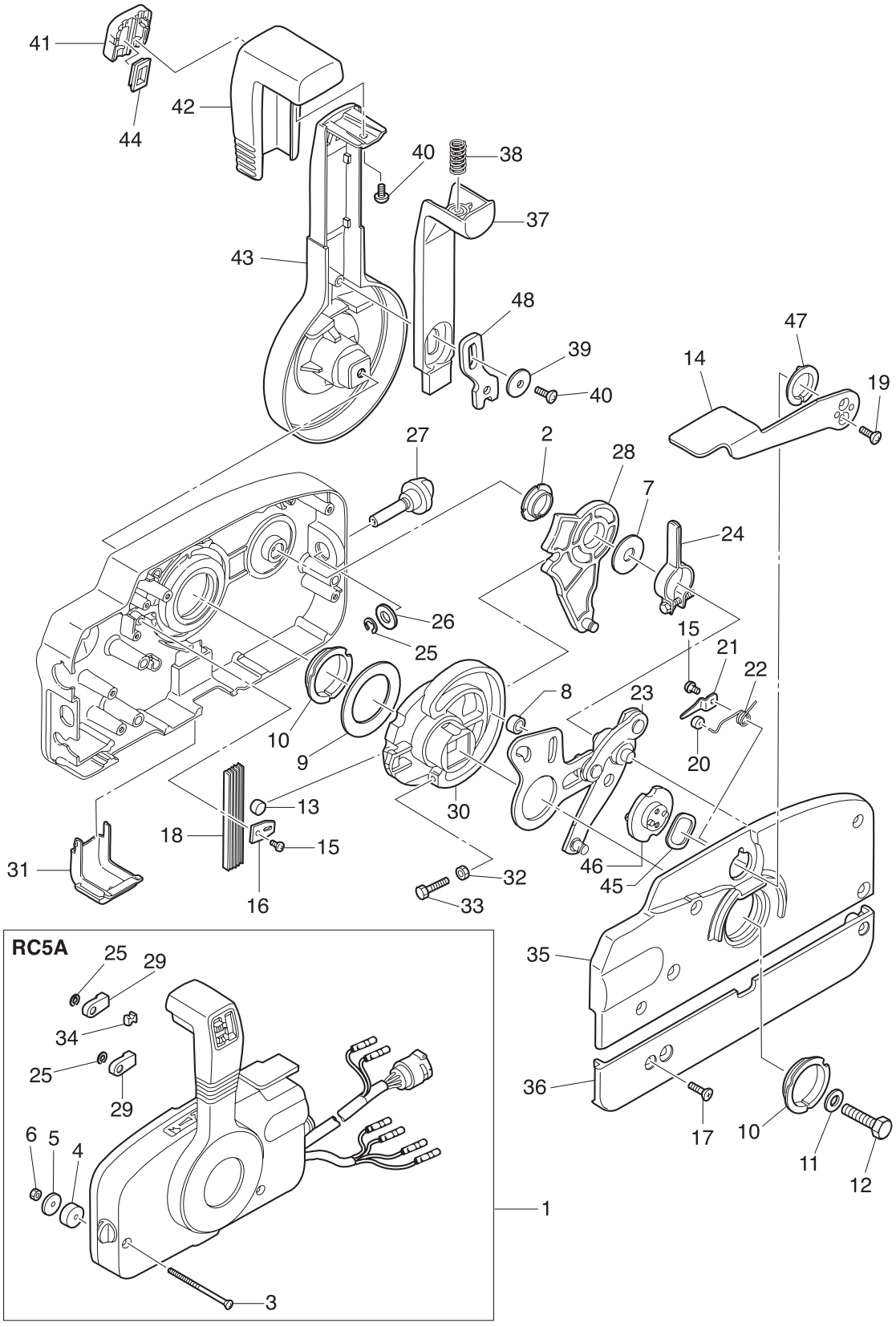
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
18-1	3T1-72043-0	OIL CAUTION DECAL	1	
18-2	3B7Q67645-2	TOP COWL ASSY	1	
18-3	3MRQ67640-0	* TOP COWL SUB-ASSY	1	
18-4	353-67501-0	** TOP COWL SEAL L=1780	1	
18-5	353-67517-1	** LOCATING BRACKET	2	
18-6	921703-5520	** SCREW	8	
18-7	9301F1-0500	** NUT	8	
18-8	941303-0500	** SPRING WASHER	8	
18-9	353Q67141-0	** HOOK LEVER	2	
18-10	353-67147-1	** SEAL RING	2	
18-11	353-67105-0	** HOOK LEVER BUSHING 12-14-12	2	
18-12	338-62435-0	** O-RING 1.5-9.5	2	
18-13	353-67142-1	** COVER HOOK	2	
18-14	910103-6616	** BOLT	2	
18-15	3C8-66308-0	** WASHER 6-16-1.5	6	Cover Hook Tilt Handle
18-16	3B7Q67521-0	** TILT HANDLE	1	
18-17	910103-0616	** BOLT	2	
18-18	910103-0630	** BOLT	2	
18-19	3B7Q67210-0	** FILLER LID	1	
18-20	3B7-67211-0	** FILLER LID HINGE	1	
18-21	3B7-67212-0	** SPRING	1	
18-22	941303-0600	** SPRING WASHER	2	
18-23	910103-0614	** BOLT	2	
18-24	930103-0600	** NUT	2	
18-25	3B7-67213-0	** SEAL	1	
18-26	3C7-72180-3	* CAUTION DECAL (A)	1	
18-27	3B7-87802-2	* DECAL SET (M90A/A2)	1	

Fig. 19 FUEL TANK



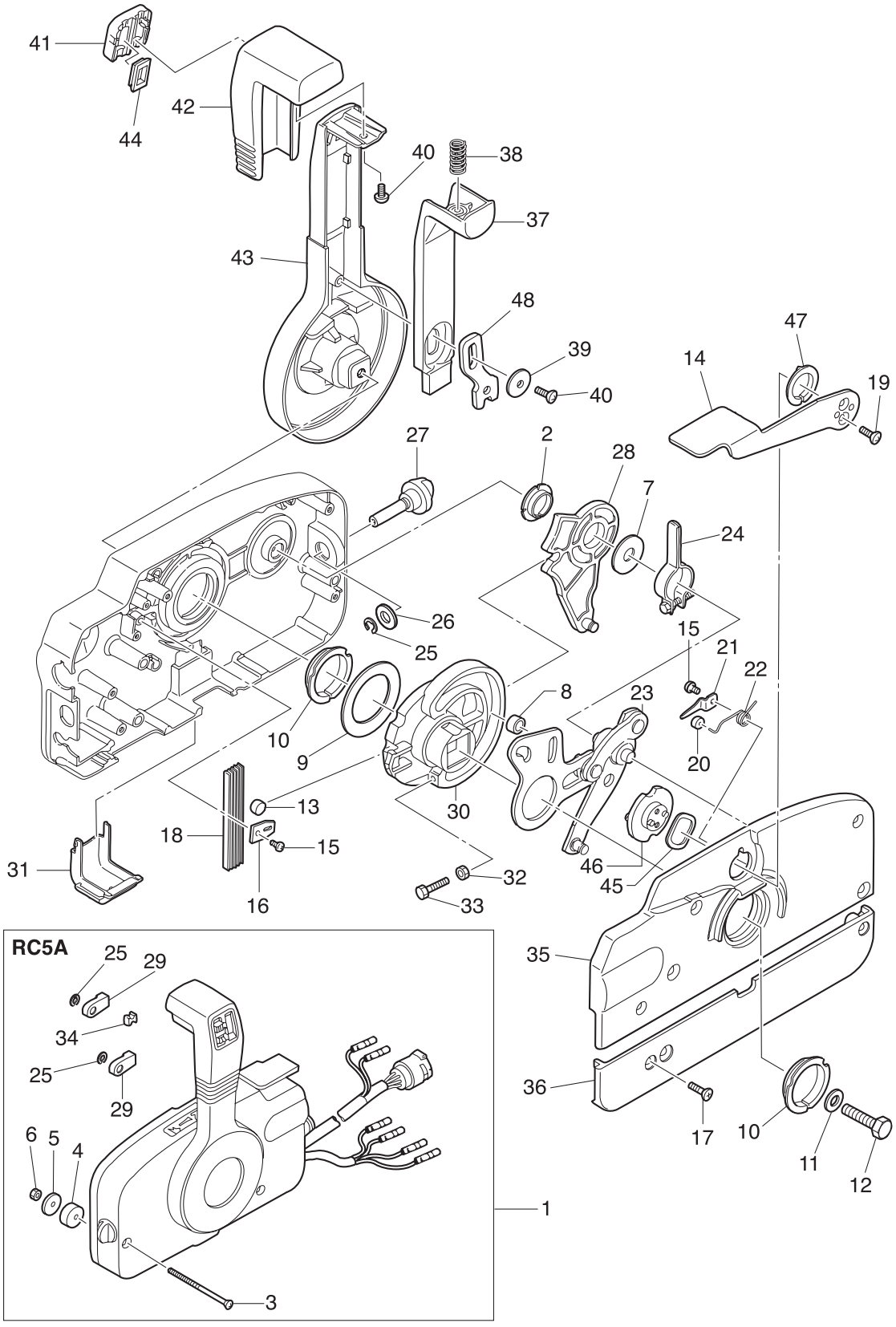
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
19-1	3B7-70200-4	PRIMER BULB ASSY	1	
19-2	3C7-70220-1	* JOINT ASSY (INLET)	1	
19-3	3C7-70224-1	* JOINT ASSY (OUTLET)	1	
19-4	3C7-70211-1	* PRIMER BULB	1	
19-5	3C7-70217-0	* CLAMP	2	
19-6	98AB-70-700	* HOSE	1	98AB-701000
19-7	98AB-701600	* HOSE	1	98AB-701000 x2
19-8	3B7-70280-1	* FUEL CONNECTOR MARK	1	
19-9	3GF-70281-0	* FUEL CONNECTOR	1	
19-10	3GF-70250-0	* FUEL CONNECTOR	1	
19-11	332-70201-0	* CLAMP	4	
19-12	3C7-70177-1	FUEL TANK ASSY 25L	1	
19-13	3C7-70155-0	* PICK-UP ELBOW ASSY (25L)	1	
19-14	3C7-70199-0	* O-RING	1	
19-15	3C7-70113-0	* FILTER	1	
19-16	3C7-70050-1	* FUEL GAUGE VENT CAP ASSY (25L)	1	
19-17	3E0-70270-0	* QUICK-CONNECTOR (MALE)	1	

Fig. 20 COMPONENT PARTS OF REMOTE CONTROL



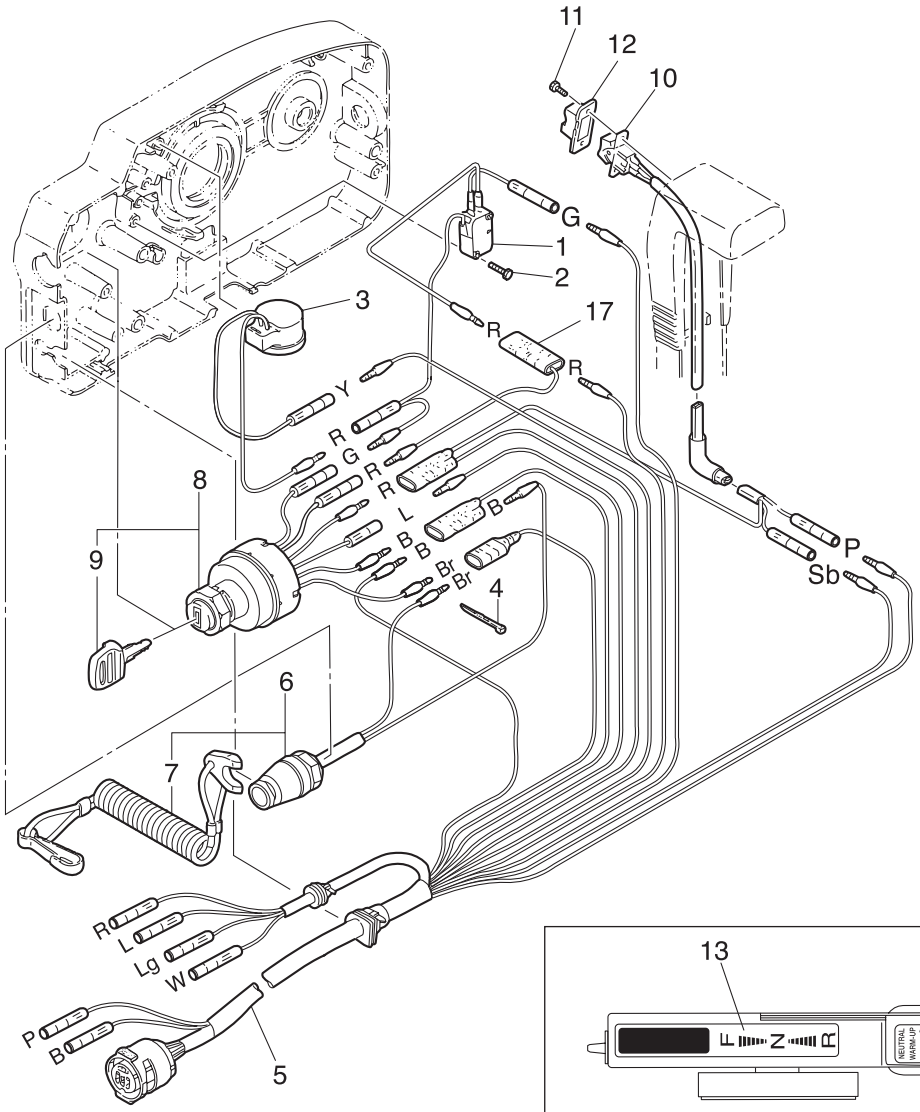
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
20-1	3ACQ84330-0	REMOTE CONTROL HEAD ASSY (RC5A)	1	RC5A
20-2	3A3-84432-0	* BUSHING	1	
20-3	3A3-84375-0	* SCREW	3	
20-4	3A3-84374-0	* SPACER	3	
20-5	353-84371-0	* WASHER	3	
20-6	930103-0600	* NUT	3	
20-7	3A3-84383-0	* WASHER	1	
20-8	3A3-84421-0	* ROLLER	1	
20-9	3A3-84422-0	* THRUST PLATE	1	
20-10	3A3-84431-0	* BUSHING	2	
20-11	940103-0800	* WASHER	1	
20-12	3A3-84442-0	* BOLT	1	
20-13	353-84388-0	* DETENT ROLLER	1	
20-14	3B7Q84312-0	* FREE THROTTLE LEVER	1	
20-15	921503-0406	* SCREW	2	
20-16	3A3-84423-0	* DETENT RETAINER	1	
20-17	921603-0518	* SCREW	5	
20-18	3A3-84307-0	* DETENT SPRING	5	
20-19	921603-0512	* SCREW	2	
20-20	3A3-84424-0	* FREE THROTTLE ROLLER	1	
20-21	3A3-84426-0	* ROLLER RETAINER	1	
20-22	3A3-84425-0	* FREE THROTTLE SPRING	1	
20-23	3A3-84365-1	* THROTTLE ARM	1	
20-24	3A3-84428-0	* THROTTLE FRICTION ARM	1	
20-25	945303-0600	* E-RING d=6	3	
20-26	353-84394-0	* WASHER	1	
20-27	3A3-84427-0	* ADJUST SCREW	1	
20-28	3A3-84381-0	* SHIFT GEAR ASSY	1	
20-29	3A3-83314-2	* CABLE TERMINAL	2	

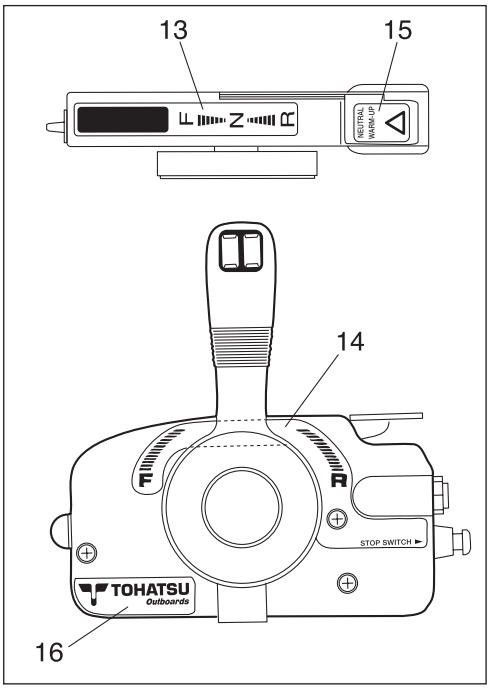
Fig. 20 COMPONENT PARTS OF REMOTE CONTROL



Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
20-30	3A3-84364-2	* DRIVE GEAR	1	
20-31	3A3-84429-0	* WIRE COVER	1	
20-32	930103-0500	* NUT	1	
20-33	910103-0525	* BOLT	1	
20-34	3A3-84376-0	* GROMMET	1	
20-35	3B7Q84441-0	* REAR HOUSING	1	
20-36	3B7Q84366-0	* REAR PANEL	1	
20-37	3A3-84401-0	* NEUTRAL LOCK ARM	1	
20-38	3A3-84403-0	* NEUTRAL LOCK SPRING	1	
20-39	3A3-84407-0	* WASHER	1	
20-40	921503-0510	* SCREW	2	
20-41	3A3-84451-0	* TILT SWITCH COVER	1	
20-42	3A3-84404-0	* GRIP	1	
20-43	3B7Q84343-0	* CONTROL LEVER	1	
20-44	3A3-84452-0	* TILT SWITCH PLUG	1	
20-45	3A3-84368-0	* WAVE WASHER	1	
20-46	3A3-84391-0	* FREE THROTTLE DRUM	1	
20-47	3A3-84435-0	* BUSHING	1	
20-48	3A3-84406-0	* PLATE	1	

Fig. 21 COMPONENT PARTS OF REMOTE CONTROL (ELECTRIC PARTS)



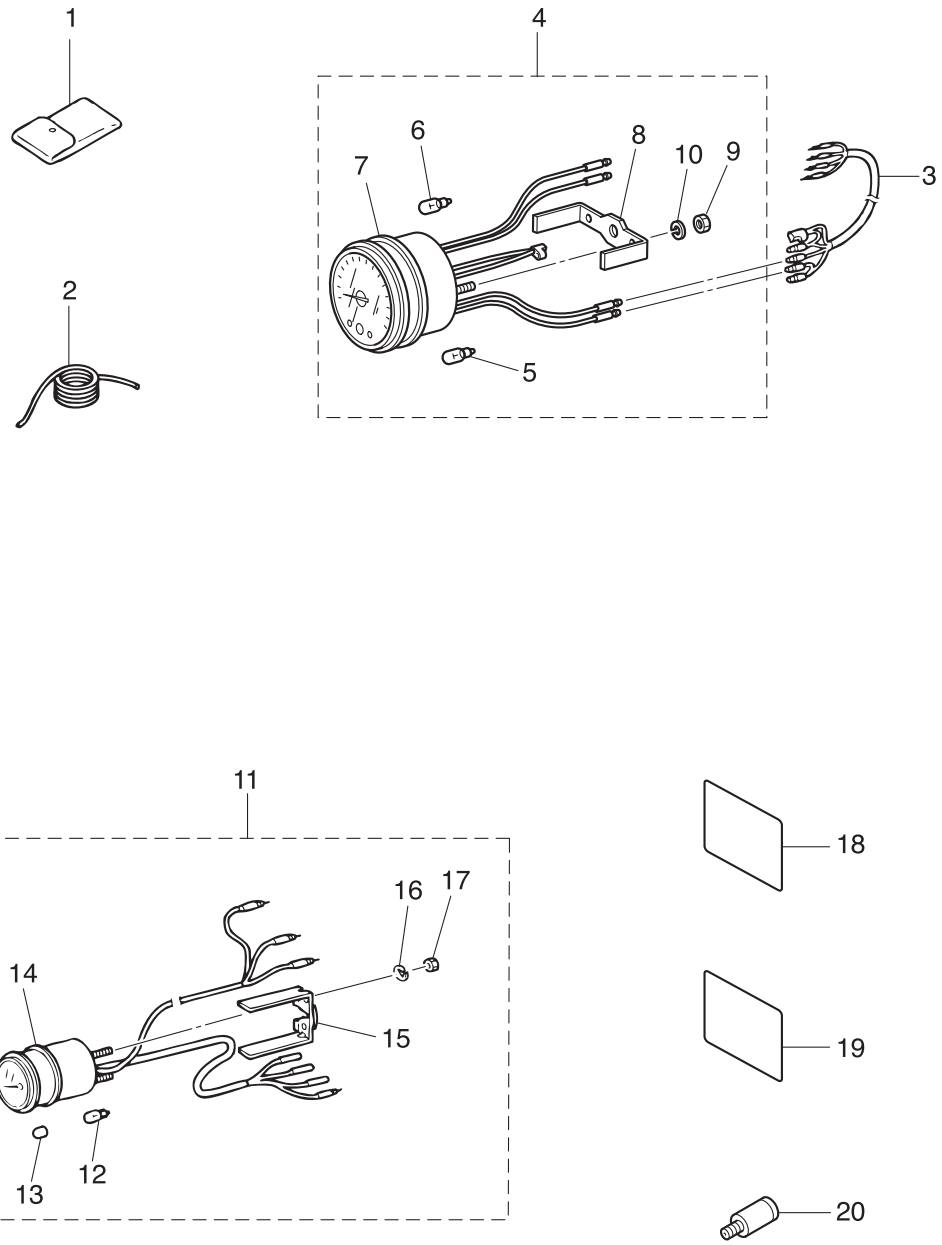


Cord Colors

B	: Black
Br	: Brown
G	: Green
L	: Blue
Lg	: Light green
O	: Orange
P	: Pink
R	: Red
Sb	: Sky blue
W	: White
Y	: Yellow

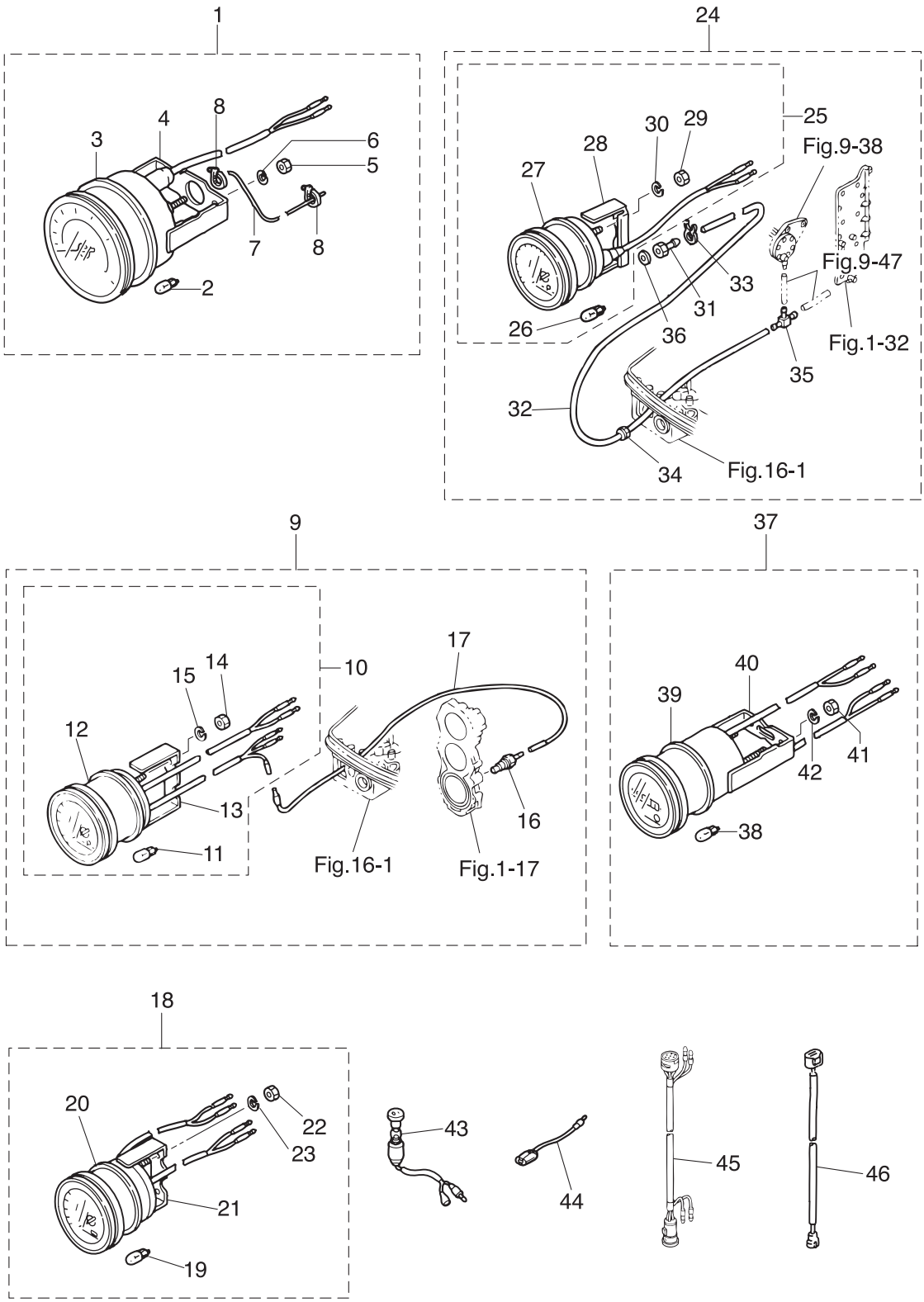
Ref.No.		Part No.	Description	Q'ty M90A2	Remarks
21-1		3A3-76086-1	NEUTRAL SWITCH (REMOTE CONT)	1	
21-2		921503-0315	SCREW	2	
21-3		3C8-76171-0	OVERHEAT BUZZER	1	
21-4		3A3-84398-0	BAND	2	
21-5		3A3-76115-1	CORD ASSY L=6200	1	
21-6		3A3-06830-0	STOP SWITCH ASSY	1	
21-7		353-06821-0	* STOP SWITCH LANYARD ASSY	1	
21-8		353-76020-3	MAIN SWITCH ASSY	1	
21-9	1	3F3-76217-0	* MAIN SWITCH KEY No.301	A	
21-9	2	3F3-76218-0	* MAIN SWITCH KEY No.302	A	
21-9	3	3F3-76219-0	* MAIN SWITCH KEY No.303	A	
21-10		3A3-72560-0	PTT SWITCH ASSY	1	
21-11		921503-0206	SCREW	2	
21-12		3A3-72591-0	PTT SWITCH COVER	1	
21-13		3N5-84336-0	SHIFT POSITION DECAL	1	
21-14		3N5-84465-0	SHIFT POSITION SIDE DECAL	1	
21-15		3N5-84331-0	DECAL (LEVER)	1	
21-16		3N5-84333-0	DECAL (TOHATSU)	1	
21-17		353-72546-0	ASSIST CORD (RED) L=200	1	

Fig. 22 ACCESSORIES



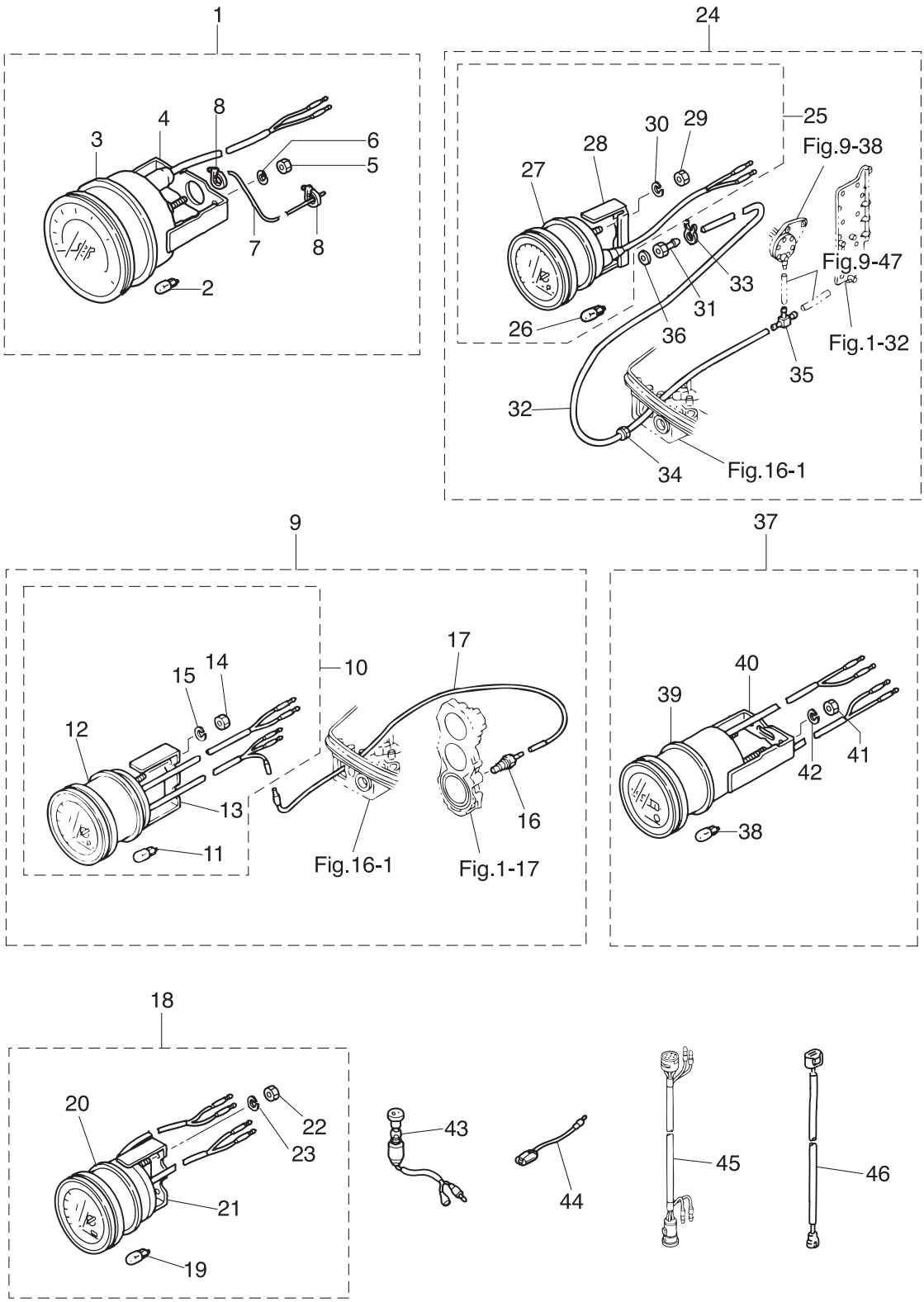
Ref.No.	Part No.	Description	Q'ty M90A2	Remarks
22-1	3C8-72100-1	TOOL KIT	1	
22-2	3B7-72201-0	SAFETY ROPE ϕ6-1600	1	
22-3	3A3-72537-1	METER LEAD WIRE L=2000	1	
22-4	3N8-72640-1	TACHOMETER W/OIL LAMP	1	
22-5	3B7-72658-0	* OIL BULB 12V-1.7W	1	
22-6	3B7-72659-0	* METER BULB 12V-1.8W	1	
22-7	3B7-72656-0	* METER DAMPER	1	
22-8	3B7-72661-0	* FITTING PLATE	1	
22-9	930103-0500	* NUT	2	
22-10	941303-0500	* SPRING WASHER	2	
22-11	3T1-72571-0	TRIM METER ASSY	1	
22-12	3T1-72659-0	* METER BULB 12V-1.7W	1	
22-13	3T1-72653-0	* METER BULB CAP	1	
22-14	3B7-72655-0	* METER DAMPER	1	
22-15	3T1-72665-0	* FITTING PLATE	1	
22-16	941303-0400	* SPRING WASHER	2	
22-17	930203-0400	* NUT	2	
22-18	3B7-72043-0	OIL CAUTION DECAL	1	
22-19	3B7-72051-0	BUZZER CAUTION DECAL	1	
22-20	3B7-60007-0	FLUSHING PLUG	1	

Fig. 23 OPTIONAL PARTS (1)



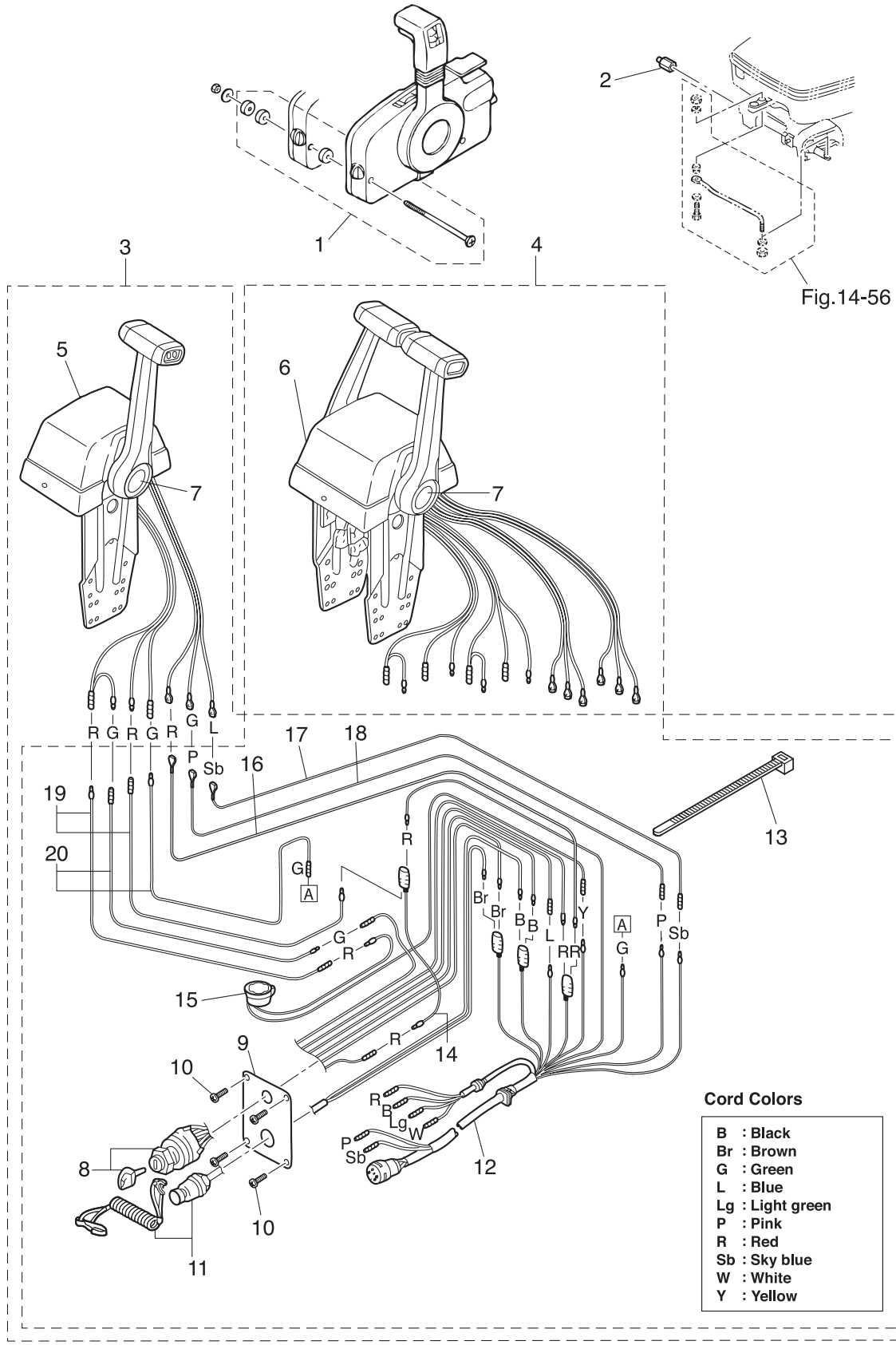
Ref.No.		Part No.	Description	Q'ty M90A2	Remarks
23-1	1	3E0-72649-0	SPEEDOMETER ASSY (75MPH)	1	
23-1	2	3E0-72648-0	SPEEDOMETER ASSY (50MPH)	1	
23-2		3B7-72659-0	* METER BULB 12V-1.8W	1	
23-3		3B7-72656-0	* METER DAMPER	1	
23-4		3B7-72661-0	* FITTING PLATE	1	
23-5		930203-0500	* NUT	2	
23-6		941303-0500	* SPRING WASHER	2	
23-7		3B7-72650-0	* SPEEDOMETER TUBE L=6000	1	
23-8		3B7-72651-0	* SPEEDOMETER BAND	2	
23-9		3E0-72526-0	WATER TEMPERATURE METER KIT	1	
23-10		3E0-72597-0	* WATER TEMPERATURE METER ASSY	1	
23-11		3B7-72657-0	** METER BULB 12V-1.7W	1	
23-12		3B7-72655-0	** METER DAMPER	1	
23-13		3B7-72662-0	** FITTING PLATE	1	
23-14		930203-0400	** NUT	2	
23-15		941303-0400	** SPRING WASHER	2	
23-16		3B7-72514-0	* WATER TEMPERATURE SENSOR	1	
23-17		3B7-72518-0	* LEAD WIRE L=7700	1	
23-18		3E0-72529-0	VOLTMETER ASSY	1	
23-19		3B7-72657-0	* METER BULB 12V-1.7W	1	
23-20		3B7-72655-0	* METER DAMPER	1	
23-21		3B7-72662-0	* FITTING PLATE	1	
23-22		930203-0400	* NUT	2	
23-23		941303-0400	* SPRING WASHER	2	
23-24		3E0-72527-0	WATER PRESSURE METER KIT	1	
23-25		3E0-72598-0	* WATER PRESSURE METER ASSY	1	
23-26		3B7-72657-0	** METER BULB 12V-1.7W	1	
23-27		3B7-72655-0	** METER DAMPER	1	
23-28		3B7-72663-0	** FITTING PLATE	1	

Fig. 23 OPTIONAL PARTS (1)



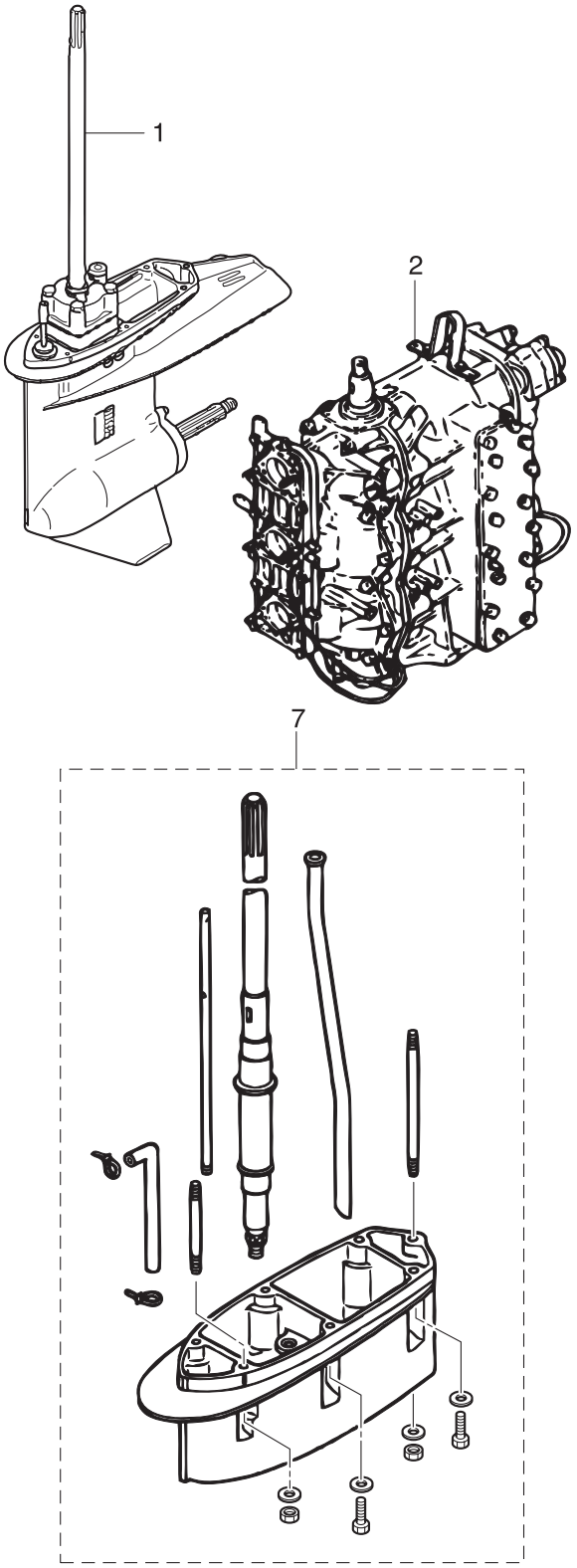
Ref.No.		Part No.	Description	Q'ty M90A2	Remarks
23-29		930203-0500	** NUT	2	
23-30		941303-0500	** SPRING WASHER	2	
23-31		3B7-72641-0	* WATER PRESSURE METER NIPPLE	1	
23-32		98AB-506000	* HOSE	1	98AB-501000 x6
23-33		338-02215-0	* CLIP ϕ10	1	
23-34		345-67193-0	* GROMMET 16-2.5	1	
23-35		394-70013-0	* PIPE JOINT 4-4	1	
23-36		121-33159-0	* GASKET 2-8-1	1	
23-37		3E0-72524-0	HOUR METER ASSY	1	
23-38		3B7-72657-0	* METER BULB 12V-1.7W	1	
23-39		3B7-72655-0	* METER DAMPER	1	
23-40		3B7-72664-0	* FITTING PLATE	1	
23-41		930203-0400	* NUT	2	
23-42		941303-0400	* SPRING WASHER	2	
23-43		353-72521-1	METER LAMP SWITCH	1	
23-44	1	353-72547-0	ASSIST CORD (BLU) L=200	1	
23-44	2	353-72548-0	ASSIST CORD (BLK) L=200	1	
23-44	3	353-72546-0	ASSIST CORD (RED) L=200	1	
23-45		3A3-76114-0	EXTENSION CORD L=2000	1	10P
23-46		3Z4-72573-0	EXTENSION CORD (TRIM SENSOR) L=2000	1	

Fig. 24 OPTIONAL PARTS (2)



Ref.No.		Part No.	Description	Q'ty M90A2	Remarks
24-1		3A3-81301-0	TWIN REMOTE CONTROL KIT	1	for Twin Outborards
24-2		353-84904-0	DRAG LINK SPACER	1	
24-3		3B7-84490-3	CONTROL HEAD ASSY (TOP-SINGLE)	1	for Single
24-4		3B7-84540-3	CONTROL HEAD ASSY (TOP-TWIN)	1	for Twin
24-5		3C7-84480-1	* REMOTE CONT HEAD (TOP-SINGLE)	1	for Single
24-6		3C7-84520-1	* REMOTE CONT HEAD (TOP-TWIN)	1	for Twin
24-7	1	3Z5-84462-0	** DECAL (TOHATSU)	1	for Single
24-7	2	3Z5-84462-0	** DECAL (TOHATSU)	2	for Twin
24-8		353-76020-3	* MAIN SWITCH ASSY	1	Single x1,Twin x2
24-9		805-76201-1	* MAIN SWITCH PANEL	1	Single x1,Twin x2
24-10		921146-4516	* SCREW	4	Single x4,Twin x8
24-11		3A3-06830-0	* STOP SWITCH ASSY	1	Single x1,Twin x2
24-12		3A3-76115-1	* CORD ASSY L=6200	1	Single x1,Twin x2
24-13		178-34147-0	* BAND 200	1	Single x1,Twin x2
24-14		353-72546-0	* ASSIST CORD (RED) L=200	1	Single x1,Twin x2
24-15		3C8-76171-0	* OVERHEAT BUZZER	1	Single x1,Twin x2
24-16		3C7-84475-0	* PTT SWITCH CORD	1	Red Single x1,Twin x2
24-17		3C7-84476-0	* PTT SWITCH CORD	1	Sky Blue Single x1,Twin x2
24-18		3C7-84477-0	* PTT SWITCH CORD	1	Pink Single x1,Twin x2
24-19		3C7-84470-1	* NEUTRAL SWITCH CORD	2	Red Single x2,Twin x4
24-20		3C7-84471-1	* NEUTRAL SWITCH CORD	2	Green Single x2,Twin x4

Fig. 25 ASSEMBLY • KIT PARTS



CARBURETOR REPAIR KIT 3

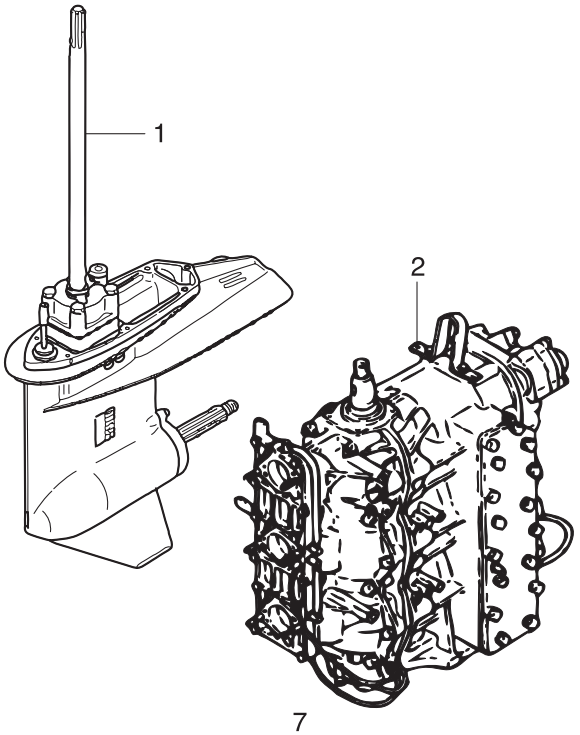
POWER HEAD GASKET SET 4

WATER PUMP KIT (CHROME PLATED) 5

LOWER UNIT GASKET SET 6

Ref.No.		Part No.	Description	Q'ty M90A2	Remarks
25-1	1	3B7Q87302-C	LOWER UNIT ASSY (L)	1	for Transom "L"
25-1	2	3B7Q87304-C	LOWER UNIT ASSY (UL)	1	for Transom "UL"
25-2		3MRB87090-0	ENGINE SHORT BLOCK KIT	1	
25-3	1	3B7-87122-1	CARBURETOR REPAIR KIT	1	
25-3	2	346-02011-1	* CARBURETOR GASKET	3	
25-3	3	346-03222-0	* FLOAT CHAMBER O-RING	3	
25-3	4	922503-6414	* SCREW	12	
25-3	5	346-03231-0	* FLOAT	3	
25-3	6	346-03232-0	* FLOAT ARM PIN	3	
25-3	7	3B7-03240-0	* FLOAT VALVE	3	
25-3	8	344-03244-0	* CLIP	3	
25-3	9	3F3-03234-0	* SCREW	3	
25-3	10	346-03256-0	* RUBBER CAP	3	
25-3	11	3C7-03182-0	* CARBURETOR COVER GASKET	6	
25-3	12	3C7-03183-0	* CARBURETOR COVER GASKET	3	
25-3	13	3C7-03184-0	* COVER GASKET PLATE	3	
25-3	14	3C7-03185-0	* COVER GASKET PLATE	3	
25-3	15	3C7-03186-0	* SCREW	6	
25-3	16	336-03293-0	* O-RING	3	
25-3	17	334-03242-0	* VALVE PIN	3	
25-4	1	3MR-87121-1	POWER HEAD GASKET SET	1	
25-4	2	3B7-01005-1	* CYLINDER HEAD GASKET	1	
25-4	3	3B7-01024-2	* CYLINDER HEAD COVER GASKET	1	
25-4	4	353-01032-0	* THERMOSTAT CAP GASKET	1	
25-4	5	171-00053-0	* O-RING 2-74.5	1	Crankcase Head
25-4	6	3B7-00121-0	* OIL SEAL 35-58-9	1	Crankshaft (Lower)

Fig. 25 ASSEMBLY • KIT PARTS

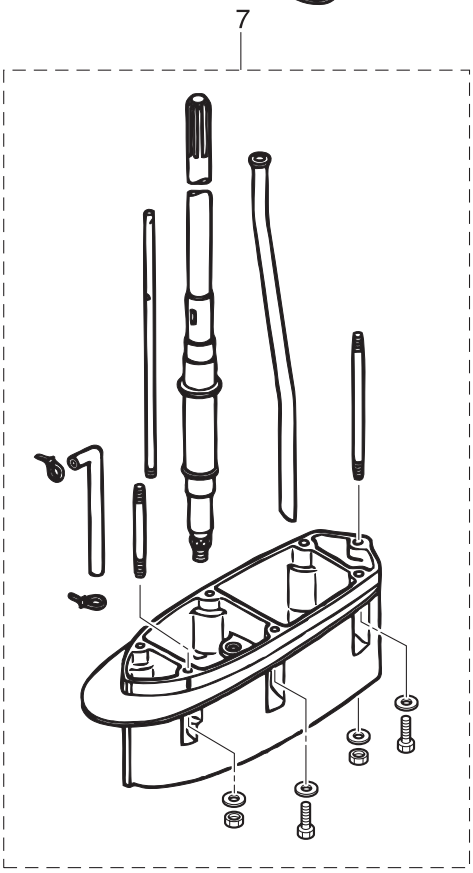


CARBURETOR REPAIR KIT 3

POWER HEAD GASKET SET 4

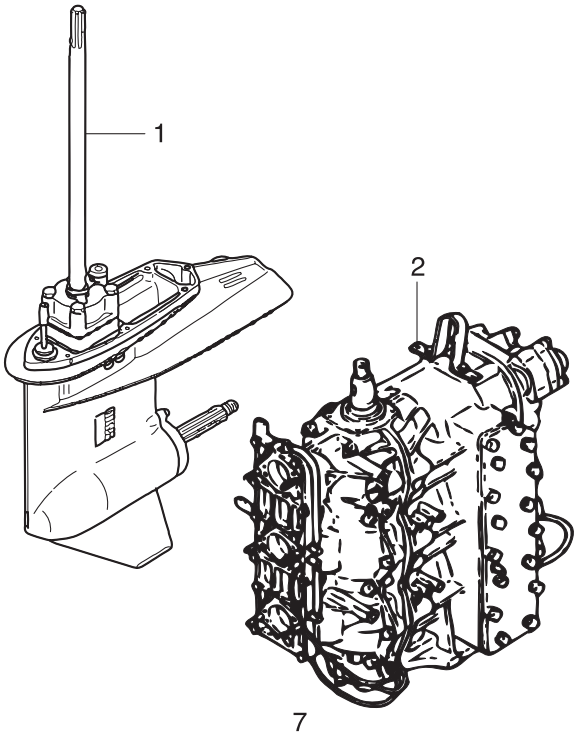
WATER PUMP KIT (CHROME PLATED) 5

LOWER UNIT GASKET SET 6



Ref.No.		Part No.	Description	Q'ty M90A2	Remarks
25-4	7	3C7-01215-0	* OIL SEAL 19.6-35-10	1	Crankcase Head
25-4	8	3FW-02305-0	* EXHAUST COVER GASKET	1	
25-4	9	353-00121-0	* OIL SEAL 36.5-46-8	1	Crankshaft (Upper)
25-4	10	353-00108-0	* O-RING 2.4-44.7	1	Crankshaft (Upper)
25-4	11	3T9-02104-0	* INTAKE MANIFOLD GASKET	1	
25-4	12	3T9-02242-0	* AIR CHAMBER GASKET	1	
25-4	13	346-02414-2	* INTAKE SILENCER GASKET	3	
25-4	14	3B7-02418-1	* GASKET	1	I/Silencer Cover
25-4	15	346-02011-1	* CARBURETOR GASKET	3	
25-4	16	3B7-09002-0	* O-RING 1.6-19.2	1	Oil Pump
25-4	17	346-04901-2	* GASKET	1	Fuel Pump
25-4	18	3B7-02235-0	* O-RING	2	Oil Filter
25-4	19	3B7-02236-0	* O-RING	2	Oil Filter
25-4	20	3C8-71016-0	* GASKET 36-52-2	1	Oil Filler Cap
25-4	21	3B7-01303-4	* ENGINE BASEMENT GASKET	1	
25-5	1	3B7-65231-1	WATER PUMP KIT (CHROME PLATED)	1	
25-5	2	3B7-65021-2	* WATER PUMP IMPELLER	1	
25-5	3	3B7-65238-0	* PUMP CASE LINER	1	Chrome Plated
25-5	4	3B7-65018-0	* PUMP CASE GASKET	1	
25-5	5	3B7-65239-1	* WATER PUMP GUIDE PLATE	1	Chrome Plated
25-5	6	3B7-65029-0	* GUIDE PLATE GASKET	1	
25-6	1	3B7-87321-2	LOWER UNIT GASKET SET	1	
25-6	2	3B7-61012-2	* DRIVE SHAFT HOUSING GASKET	1	
25-6	3	3B7-02312-2	* EXHAUST PIPE GASKET	1	
25-6	4	3B7-61181-2	* EXHAUST HOUSING GASKET	1	
25-6	5	332-60006-0	* GASKET 8.1-15-1	2	Oil Plug
25-6	6	3B7-60016-1	* GASKET 10.1-15-1	1	Water Plug

Fig. 25 ASSEMBLY • KIT PARTS

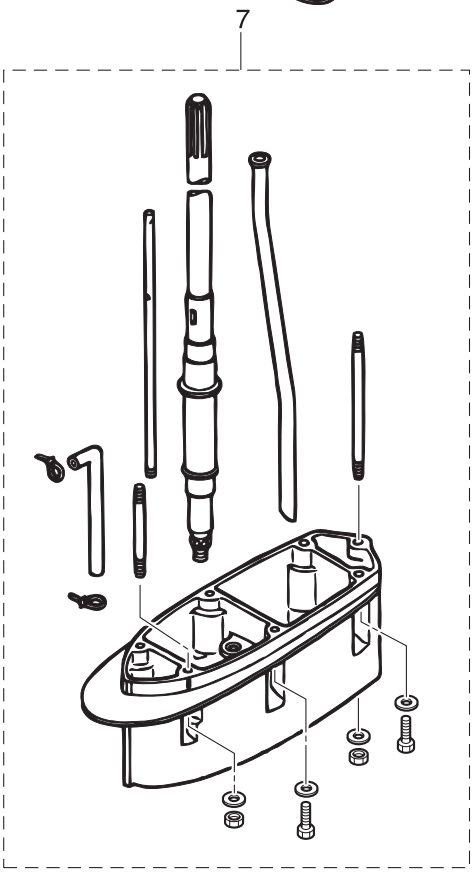


CARBURETOR REPAIR KIT 3

POWER HEAD GASKET SET 4

WATER PUMP KIT (CHROME PLATED) 5

LOWER UNIT GASKET SET 6



Ref.No.		Part No.	Description	Q'ty M90A2	Remarks
25-6	7	3B7-65018-0	* PUMP CASE GASKET	1	
25-6	8	3B7-65029-0	* GUIDE PLATE GASKET	1	
25-6	9	3C7-60223-1	* OIL SEAL 22-42-7	2	Pump Case (Lower)
25-6	10	3B7-65015-0	* O-RING 3.1-54.4	1	Pump Case (Lower)
25-6	11	345-66021-0	* O-RING 1.9-6.8	2	Cam Rod
25-6	12	3B7-66023-0	* O-RING 3.5-27.7	1	Cam Rod Bushing
25-6	13	3B7-60103-0	* O-RING 3.1-94.4	1	Propeller Shaft Housing
25-6	14	3B7-60111-0	* OIL SEAL 30-50-12	1	Propeller Shaft
25-6	15	3B7-60219-0	* TRIM TAB GASKET	1	
25-7	1	3B7Q87314-4	EXTENSION HOUSING KIT (UL)	1	for Transom "L"⇒"UL"
25-7	2	3B7Q61110-0	* EXTENSION HOUSING	1	
25-7	3	3T1-60001-1	* BOLT 8-35	3	
25-7	4	9153E3-0825	* STUD	1	
25-7	5	930103-0800	* NUT	1	
25-7	6	9401E3-0800	* WASHER	4	
25-7	7	3B7-60001-5	* BOLT 10-40	2	
25-7	8	3B7-61112-1	* STUD 10-165	1	
25-7	9	9402E3-1000	* WASHER	3	
25-7	10	3B7-61114-0	* NUT 10-P1.25	1	
25-7	11	3B7-64303-1	* DRIVE SHAFT (UL)	1	
25-7	12	3B7-66014-1	* CAM ROD (UL)	1	
25-7	13	98AL-40-920	* HOSE	1	98AL-401000
25-7	14	951403-3510	* SPRING PIN 3.5-10	1	
25-7	15	951403-3516	* SPRING PIN 3.5-16	2	
25-7	16	3B7-65120-0	* WATER PIPE (UL)	1	
25-7	17	353-84398-0	* BAND 100	2	

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