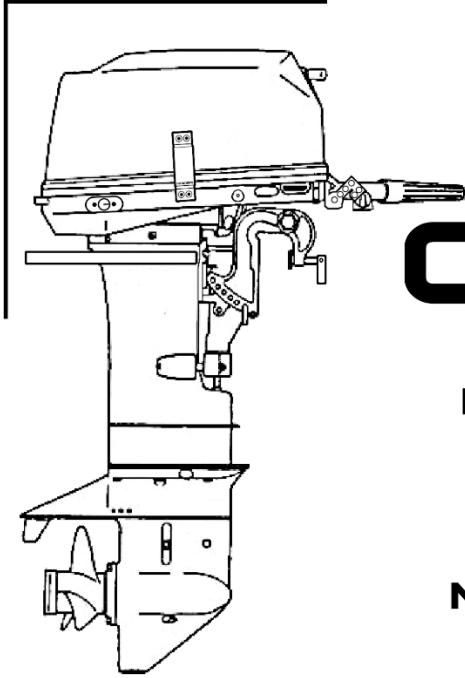


2020



PARTS CATALOG

**RAIDER 40 HORSEPOWER
SUBMERSIBLE /
MULTI-FUEL
OUTBOARD MOTOR
NSN 3H 2805-01-652-3067
PART NO. R40ES-002**

RAIDER OUTBOARDS
1855 SHEPARD DRIVE
TITUSVILLE, FL 32780
321-383-9585

FOR MILITARY USE ONLY

RAIDER PARTS CATALOG NO. R40-ES-002-02
PARTS AND ASSEMBLIES FOR 40HP OUTBOARD ENGINE
PARTS CATALOG

Q4
Raider
Military
Parts Catalog

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RAIDER Outboards

MULTI-FUEL SUBMERSIBLE ELECTRIC START OUTBOARD ENGINES

The Raider series of outboard motors are dedicated to the Marine Raiders established by the United States Marine Corps during WW II and are said by many to be the first United States special operations force. Handpicked from the elite, these men were given specialized training and the best equipment. They distinguished themselves during the conduct of clandestine amphibious landings, utilizing small inflatable boats, operating behind enemy lines in direct support of combat operations in the Central Pacific and Solomon Islands. Even though the Raiders were disbanded at the close of WW II the need for specially trained warfighters and the requirements for specialized equipment did not. Today's Special Operations Forces (SOF) under the United States Special Operation Command (USSOCOM) are expected to conduct similar and far more demanding missions, to that end and with those warfighters in mind the Raider (OBM) is specifically developed for SOF that routinely operate within the often unforgiving, highly demanding, dynamic maritime environment.

WHO WE ARE

- Raider Outboards, Inc. is a-US owned and operated company based in Central Florida near Kennedy Space Center, located in the Space Port Commerce Park. We design and produce multi-fuel, submersible, lightweight outboard motors and associated parts that include a Safety Jet; transom plates; carts and transportation cages. Our markets include Department of Defense (DOD), Other Government Agencies (OGA), National and Local Law Enforcements and First Responder Services, Search & Rescue and commercial/retail.
- The Raider patented Safety Jet can be purchased in a kit which retrofits a propeller drive to a jet pump system. The Safety Jet was designed to improve safety for swimmers and divers in both real-world and training situations. The Safety Jet is excellent for "brown" water operations where search and rescue operations routinely happen in which higher probabilities of striking submerged objects exist. For coastal or beaching operations in unfamiliar waters it provides additional protection from rocks or coral easily absorbing hits that could ruin propellers when moving to and from a beach landing site.
- Raider also provides a series of transom plates that are attached to the transom of the Combat Rubber Raiding Craft (CRRC). The transom plates have single and dual motors configurations. The transom plates provide centerline alignment and safety if the motor clamps loosen under vibration. Specialty items like extended handles, extended fuel hose connections, outboard motors carts and transportation cages are also available.

WHAT WE ARE ABOUT

Raider develops, manufactures, and provides technical support services for highly reliable outboard motors for today's warfighter. Our designs are field proven, add capacity and capability to perform the most difficult and demanding maritime missions. Features include;

- Simple and Robust.
- System Redundancy.
- Minimized Electronics.
- Air droppable.
- Bagless submersion.
- Superior dewatering.
- Leader in horsepower to weight ratio.
- 25% better fuel efficiency than any other motor in its class.
- Easy to maintain and troubleshoot.

OUR MISSION

Raider Outboards will provide and deliver the most reliable premium products, hands on training, highest quality to the customer and serve as the premier outboard motor company to the U.S. Military; while honoring those who protect, defend, and support our communities and our country.

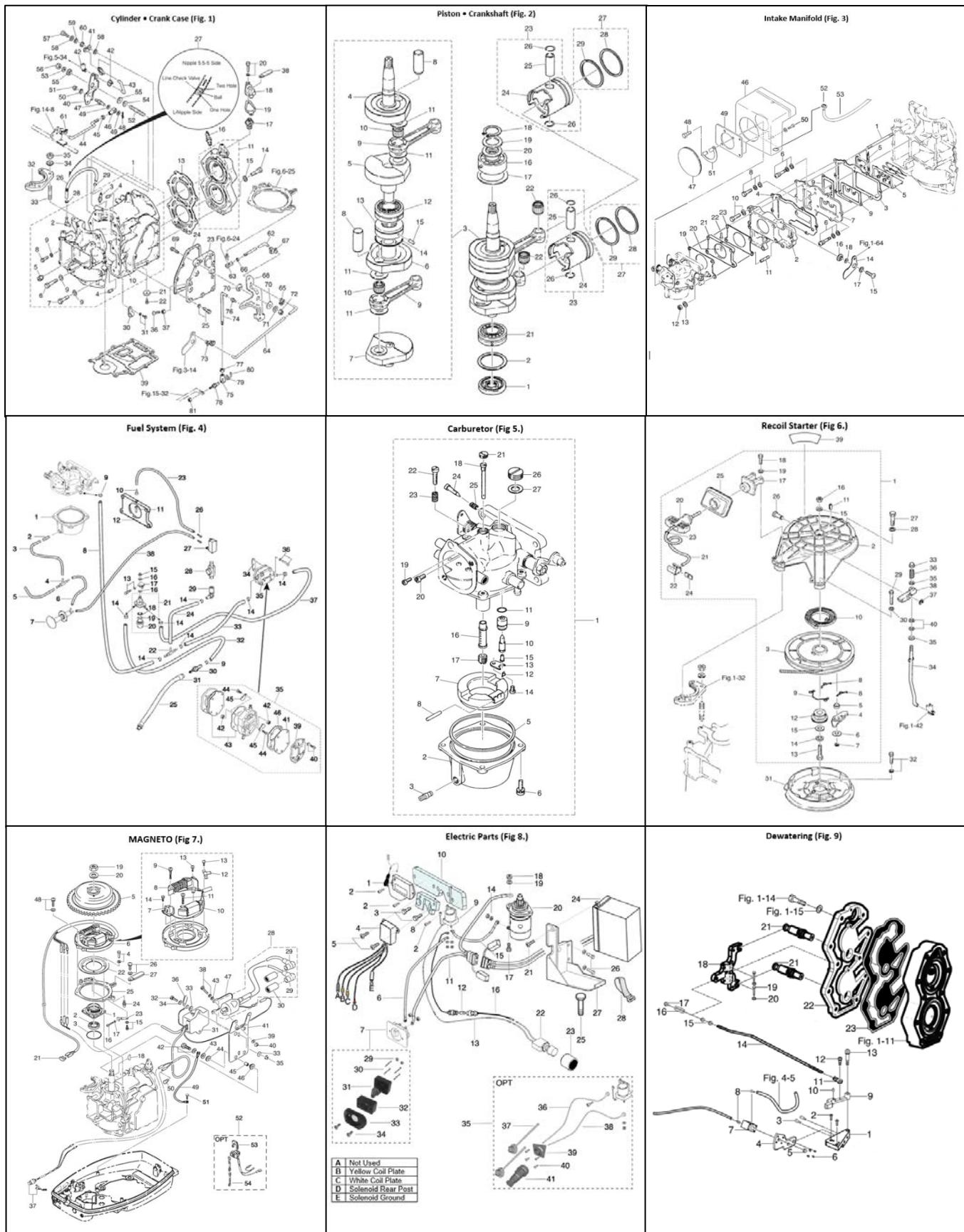


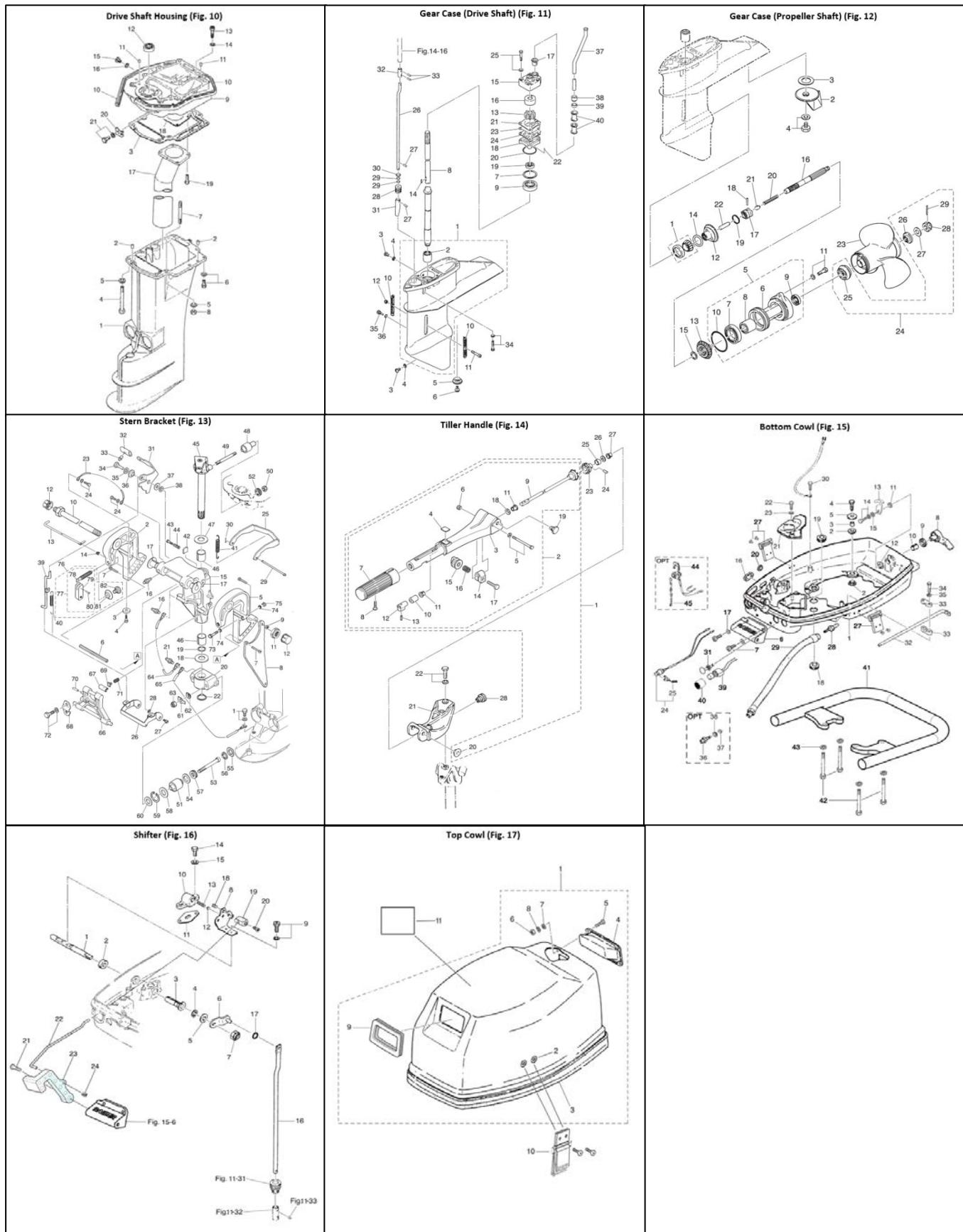
Chris Woodruff
Director of Engineering
Raider Outboards Inc.
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321-567-2309

HOW TO USE THIS PARTS CATALOG

1. This parts catalog provides information available as of the end of June 2020.
2. Please keep the parts Catalog updated each time when receiving a Service Bulletin describing an addition, deletion 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. Given mark in (*) to a part number shows assembly or kit part.
5. Given mark in (**) to a part number shows modifications made to 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



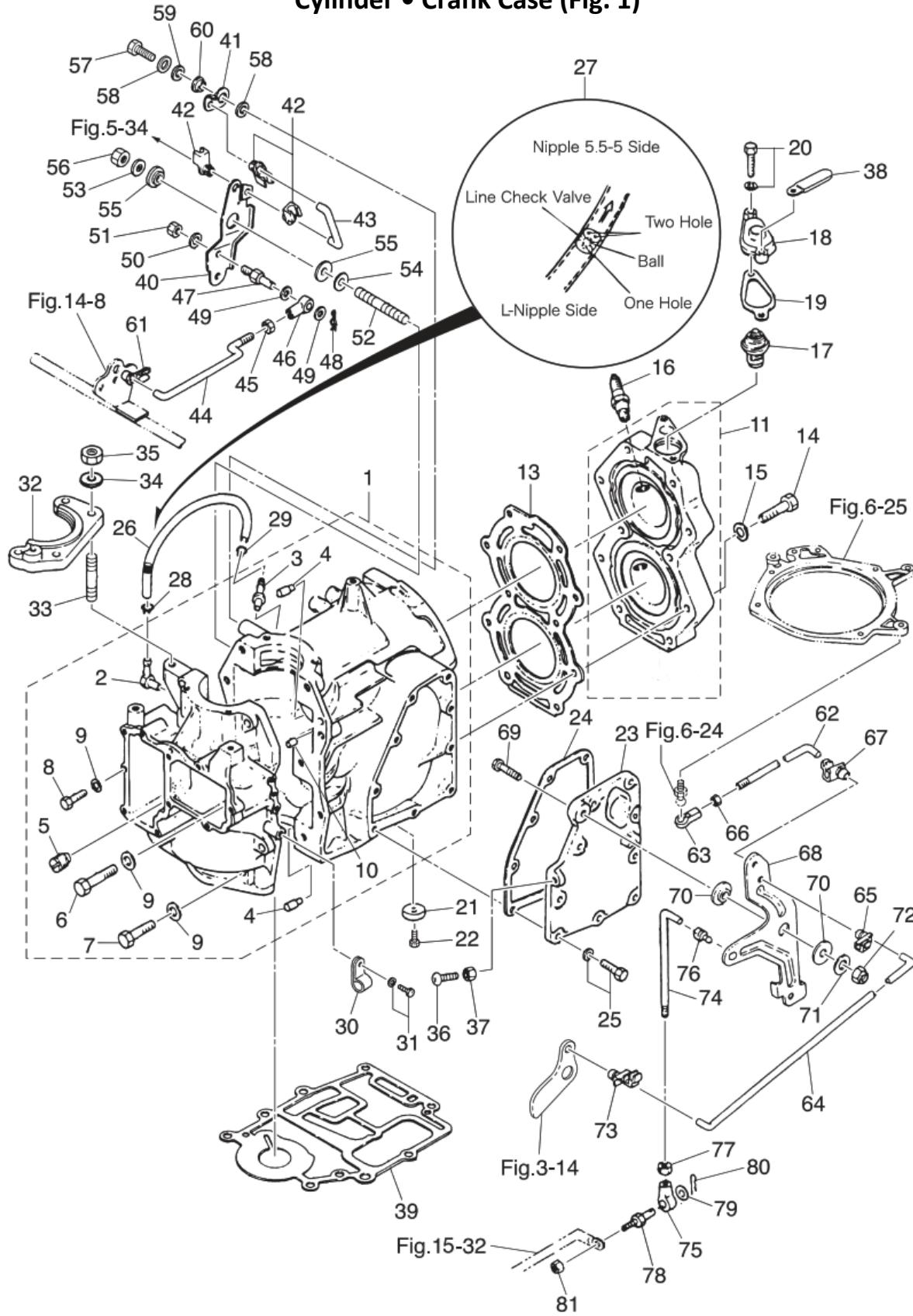


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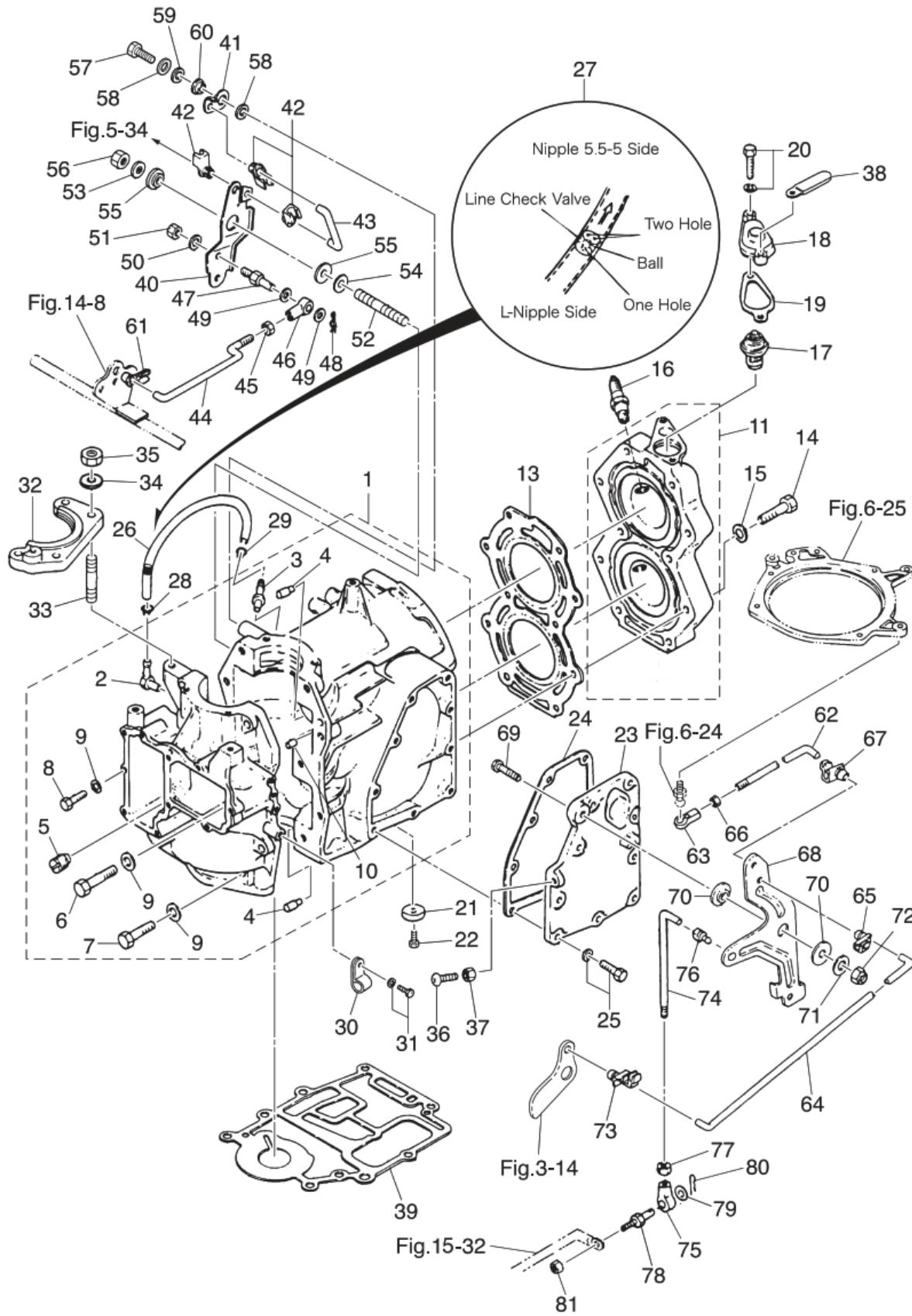
Cylinder • Crank Case (Fig. 1)



Cylinder • Crank Case

Ref. No.	Part No.	Description	Qty	Remarks
1-1	361B01100-2	CYL BLOCK & CRANKCASE ASSY	1	
1-2	393-01137-0	* NIPPLE	1	
1-3	393-01131-0	* NIPPLE 5.5-5	1	
1-4	345-00117-0	* DOWEL PIN	2	Bearing
1-5	345-01150-1	* CHECK VALVE ASSY	1	
1-6	916129-0850	* BOLT	1	
1-7	916124-0840	* BOLT	8	
1-8	9161F4-0835	* BOLT	1	
1-9	940121-0800	* WASHER	10	
1-10	345-01111-0	* DOWEL PIN 6-12	2	
1-11	R-RH40	CYLINDER HEAD ASSY	1	
1-13	345-01005-1	CYLINDER HEAD GASKET	1	
1-14	R-91280A554	CYLINDER HEAD BOLT	10	
1-15	345-01015-0	WASHER 8.5-19.5-3.2	10	
1-16	R-SBE110	SPARK PLUG	2	
1-17	345-01030-0	THERMOSTAT	1	Mark 52A PRV
1-18	R-TC40	THERMOSTAT CAP	1	
1-19	R-RTG40	THERMOSTAT CAP GASKET	1	
1-20	R-92196A274	THERMOSTAT CAP BOLT	2	10/32x1 Socket Head
1-21	338-60218-2	ANODE	1	
1-22	910103-0616	BOLT	1	
1-23	345B02301-2	EXHAUST COVER (OUTER)	1	
1-24	345-02305-1	EXHAUST COVER GASKET	1	
1-25	9101F4-5620	BOLT	9	
1-26	98AL-40-230	HOSE	1	98AL-401000
1-27	393-01160-0	CHECK VALVE	1	
1-28	3T5-01133-0	CLIPΦ8	1	
1-29	338-01133-0	CLIPΦ7	1	
1-30	336-06973-0	CLAMP 6-9.5L	1	
1-31	910103-6612	BOLT	1	
1-32	345B05101-0	BRACKET	1	
1-33	915324-0825	STUD	2	
1-34	940121-0800	WASHER	2	
1-35	930121-0800	NUT	2	
1-36	921503-0520	SCREW	1	
1-37	930103-0500	NUT	1	
1-38	309-06972-0	CLAMP 6.5-47.5P	1	
1-39	345-01303-1	ENGINE BASEMENT GASKET	1	
1-40	361-05211-0	STARTER LOCK ARM	1	
1-41	345-05213-0	THROTTLE LIMITER ARM	1	
1-42	345-05223-1	ROD SNAP 3.5-2	3	
1-43	345-05221-1	THROTTLE LIMITER ROD	1	
1-44	345-05222-1	STARTER LOCK ROD	1	
1-45	930103-0500	NUT	2	
1-46	346-05234-0	ROD JOINTΦ5	1	
1-47	353-83728-1	PIN	1	
1-48	951603-0800	SNAP PIN d=8	1	
1-49	3AA-83719-0	WASHER 8.5-18-1.6	2	

Cylinder • Crank Case

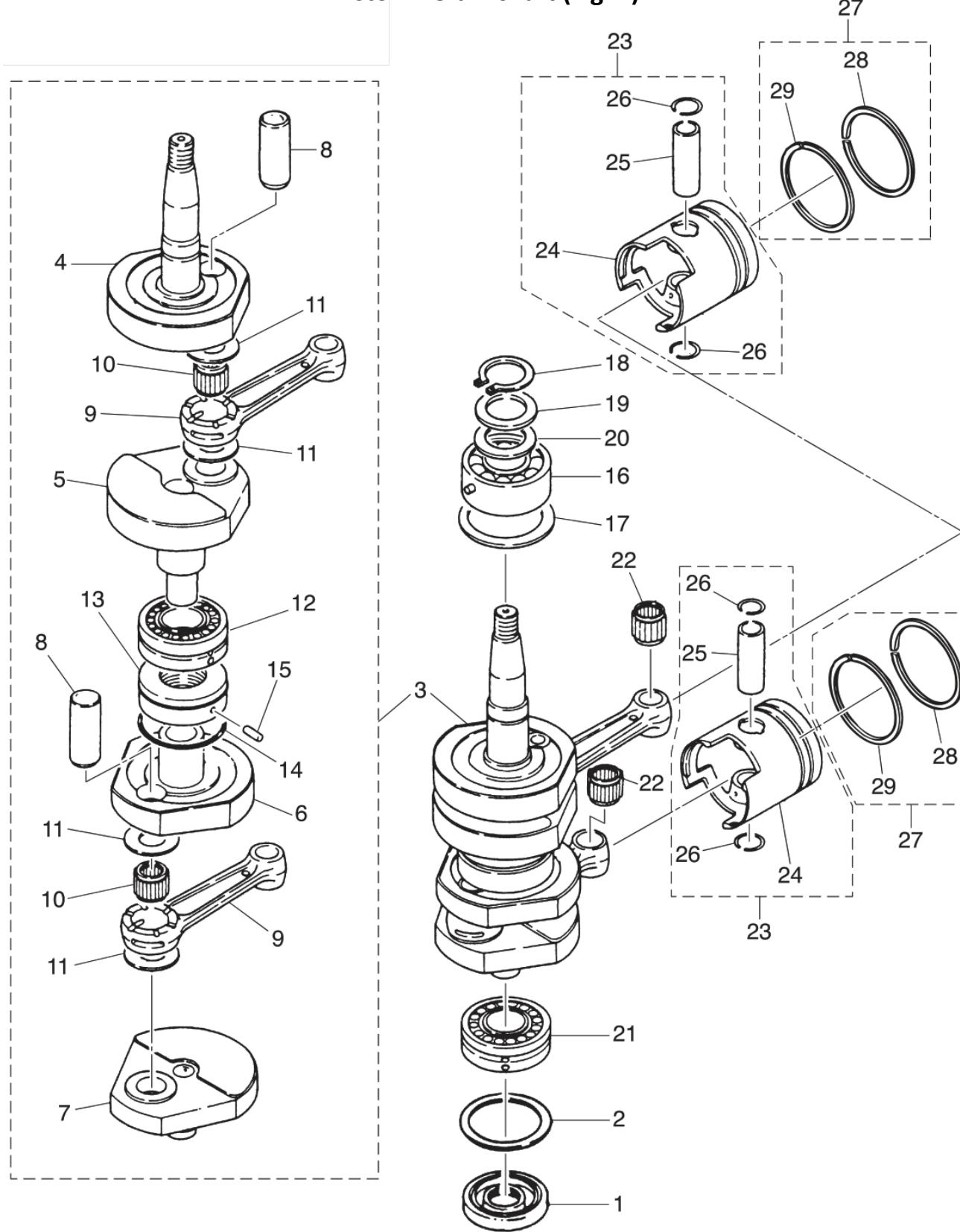


Cylinder • Crank Case

Ref. No.	Part No.	Description	Qty	Remarks
1-50	941303-0600	SPRING WASHER	1	
1-51	930103-0600	NUT	1	
1-52	915324-0825	STUD	1	
1-53	940103-0800	WASHER	1	
1-54	345-01015-0	WASHER 8.5-19.5-3.2	1	
1-55	345-63713-0	BUSHING 8-14-4	2	
1-56	930403-0800	NYLON NUT 8-P1.25	1	
1-57	9101F4-0620	BOLT	1	
1-58	940103-0600	WASHER	2	
1-59	941403-1000	WAVE WASHER d=10	1	
1-60	346-63721-0	BUSHING 6.2-16-5	1	
1-61	345-05224-0	ROD SNAP 5-2.5	1	
1-62	348-63715-1	ROD 5-75L	1	
1-63	3B7-05243-0	BALL JOINT CONNECTOR	1	
1-64	348-63716-1	THROTTLE ROD	1	
1-65	345-05223-1	ROD SNAP 3.5-2	1	
1-66	930103-0500	NUT	1	
1-67	3B7-63733-0	ROD SNAP 5-2.5	1	
1-68	348-63711-1	ADVANCER ARM	1	
1-69	910121-0840	BOLT	1	
1-70	345-63713-0	BUSHING 8-14-4	2	
1-71	334-66233-0	WASHER 8.1-16-1.5	1	
1-72	930403-0800	NYLON NUT 8-P1.25	1	
1-73	345-05223-1	ROD SNAP 3.5-2	1	
1-74	348-63715-1	ROD 5-75L	1	
1-75	346-05234-0	ROD JOINT ϕ 5	1	
1-76	3B7-63733-0	ROD SNAP 5-2.5	1	
1-77	930103-0500	NUT	1	
1-78	361-83728-0	PIN	1	
1-79	3AA-83719-0	WASHER 8.5-18-1.6	1	
1-80	951603-0800	SNAP PIN d=8	1	
1-81	930103-0600	NUT	1	

*assembly

Piston • Crankshaft (Fig. 2)

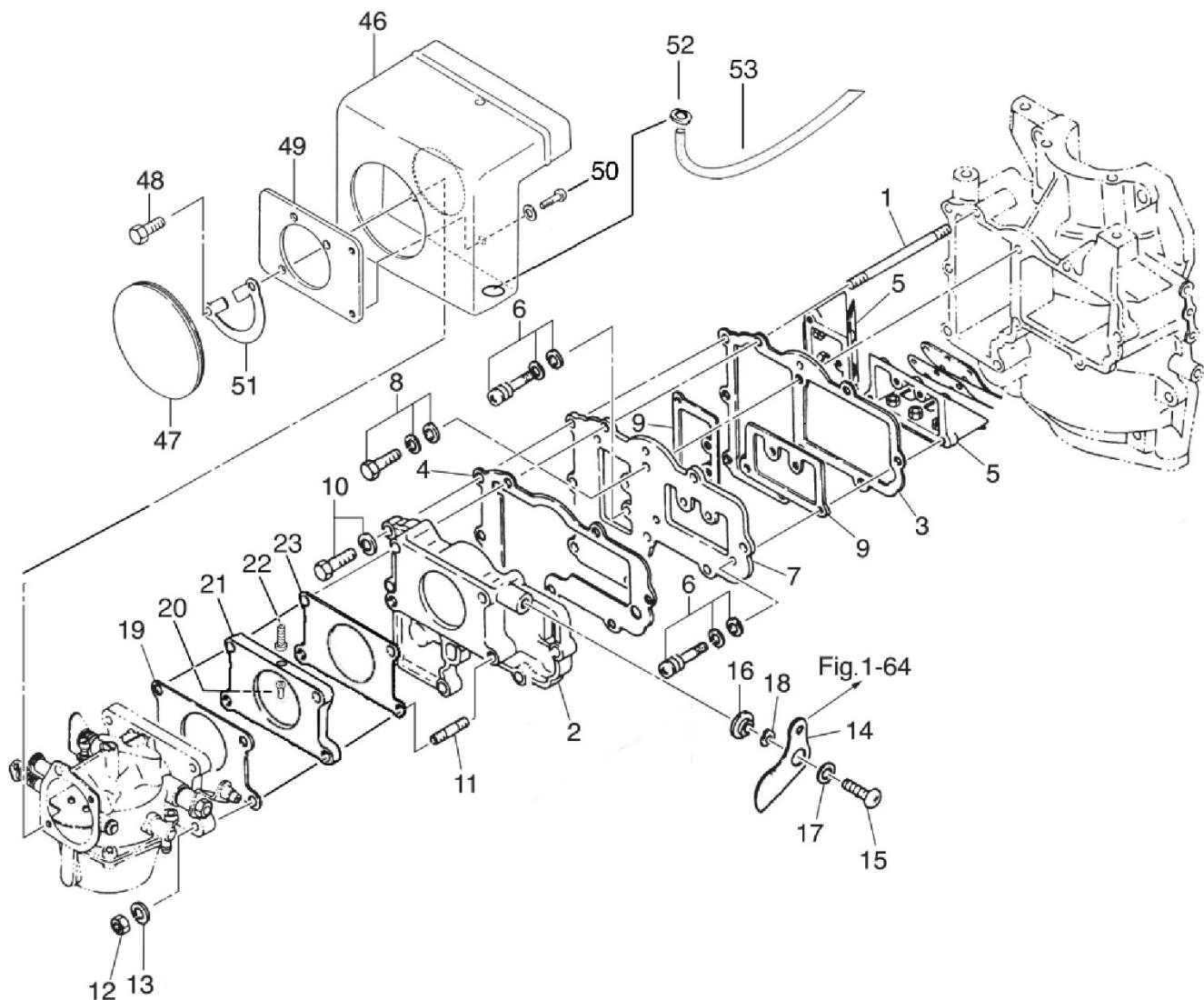


Piston • Crankshaft

Ref. No.	Part No.	Description	Qty	Remarks
2-1	345-00122-0	OIL SEAL 25-55-10	1	
2-2	345-00125-0	RETAINER 50-60-1.6	1	
2-3	361-00069-1	CRANKSHAFT SUB-ASSY	1	
2-4	361-00031-0	* CRANKSHAFT A	1	
2-5	348-00032-0	* CRANKSHAFT B	1	
2-6	348-00033-0	* CRANKSHAFT C	1	
2-7	348-00034-0	* CRANKSHAFT D	1	
2-8	348-00061-1	* CRANK PIN	2	
2-9	345-00040-1	* CONNECTING ROD	2	
2-10	345-00043-0	* ROLLER BEARING 25-32-20	2	
2-11	345-00045-0	* BIG END BEARING WASHER	4	
2-12	345-00114-0	* MAIN BEARING 355520	1	Center
2-13	345-00051-0	* LABYRINTH PACKING	1	
2-14	345-00053-0	* O-RING 2-49.5	1	
2-15	951407-0306	* SPRING PIN 3-6	1	
2-16	345-00113-0	MAIN BEARING 5206	1	Upper
2-17	345-00115-0	RETAINER 56-66-1.6	1	
2-18	945107-3000	C-RING d=30	1	
2-19	345-00116-0	SPACER 30.2-40-2.3	1	
2-20	345-00141-0	SHIM 31-42	A	
2-21	345-00114-0	MAIN BEARING 355520	1	Lower
2-22	345-00042-0	ROLLER BEARING 17-21-27	2	
2-23	3C1-87130-0	PISTON REPAIR KIT	2	STD
2-23	3C1-87131-0	PISTON REPAIR KIT (0.5 O/S)	2	OPT
2-24	361-00001-1	* PISTON	1	STD
2-24	361-00004-1	* PISTON (0.5 O/S)	1	OPT
2-25	345-00021-1	* PISTON PIN	1	
2-26	334-00024-1	* PISTON PIN CLIP	2	
2-27	3C1-87123-0	PISTON RING SET	2	STD
2-27	3C1-87124-0	PISTON RING SET (0.5 O/S)	2	OPT
2-28	361-00011-0	* PISTON RING	1	STD 1st
2-28	361-00014-0	* PISTON RING (0.5 O/S)	1	OPT 1st
2-29	345-00011-0	* PISTON RING	1	STD 2nd
2-29	345-00014-0	* PISTON RING (0.5 O/S)	1	OPT 2nd

*assembly

Intake Manifold (Fig. 3)



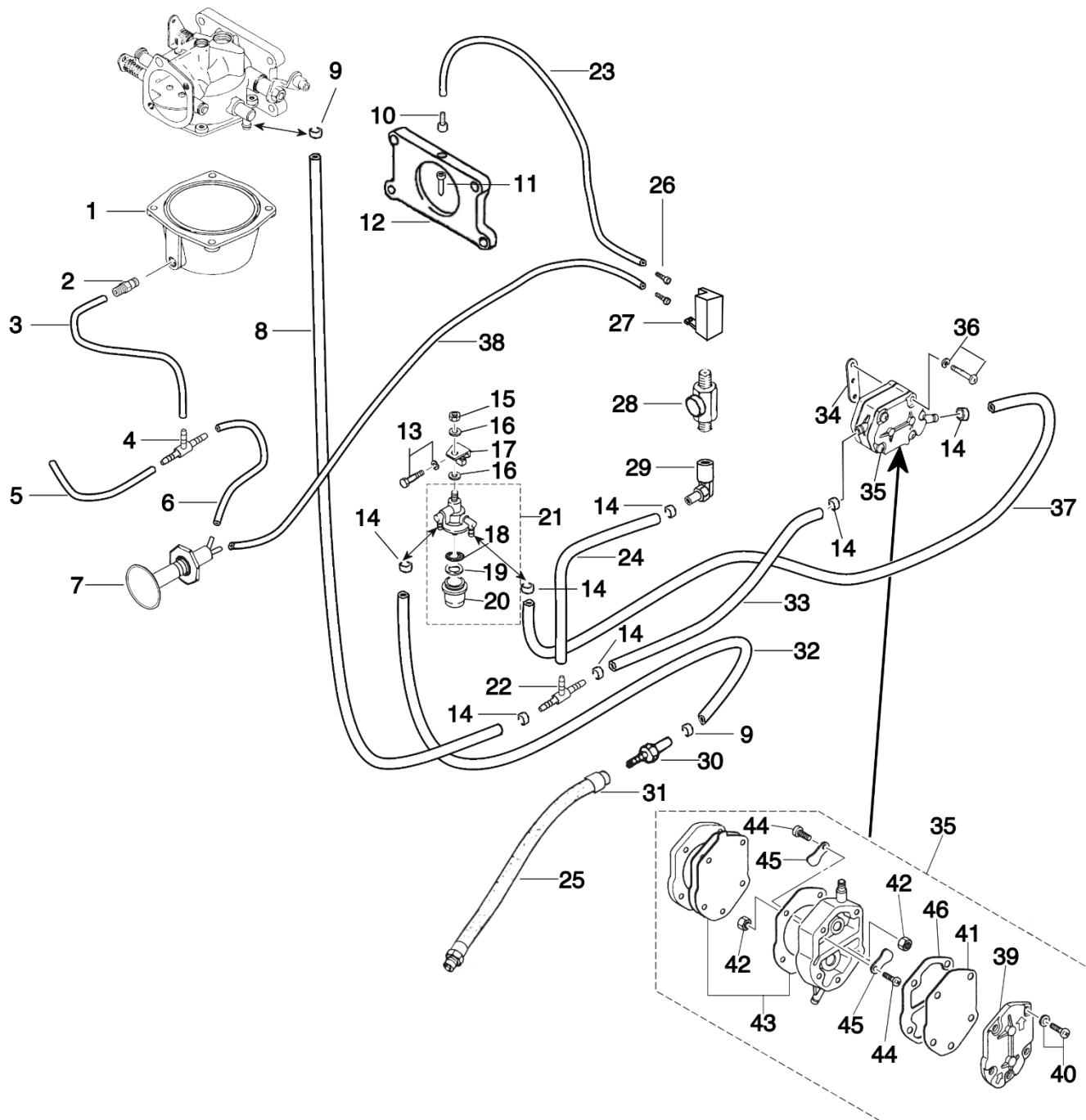
Intake Manifold

Ref. No.	Part No.	Description	Qty	Remarks
3-1	R-93805A637	STUD (LONG)	2	
3-2	345B02010-0	INTAKE MANIFOLD	1	
3-3	345-02104-0	INTAKE MANIFOLD GASKET "A"	1	
3-4	345-02105-0	INTAKE MANIFOLD GASKET "B"	1	
3-5	345-02100-1	REED VALVE ASSY	1	
3-6	921521-7412	SCREW	8	
3-7	345-02106-0	PLATE	1	
3-8	910121-7620	BOLT	1	
3-9	345-02103-0	REED VALVE SEAT GASKET	2	
3-10	9101E30630M	BOLT	7	
3-11	R-93805A326	STUD (SHORT)	2	
3-12	930103-0600	NUT	4	
3-13	941303-0600	SPRING WASHER	4	
3-14	R-CC40	THROTTLE CAM	1	
3-15	921503-0616	SCREW	1	
3-16	346-63721-0	BUSHING 6.2-16-5	1	
3-17	3C8-66308-0	WASHER 6-16-1.5	1	
3-18	941403-1000	WAVE WASHER d=10	1	
3-19	345-02011-3	CARBURETOR GASKET	1	
3-20	R-VM22/210/17.5	HEAVY FUEL JET	1	
3-21	R-CHFAP40	HEAVY FUEL PLATE	1	
3-22	R-11752-1	HOSE FITTING	1	
3-23	R-HFPG40	HEAVY FUEL PLATE GASKET	1	
3-46	345-02411-0	INTAKE SILENCER**	1	
3-47	345-02415-0	INTAKE SILENCER COVER	1	
3-48	9101F4-0616	BOLT	2	
3-49	345-02416-0	INTAKE SILENCER PLATE	1	
3-50	921503-5508	SCREW	2	
3-51	345-02417-1	INTAKE SILENCER LOCK PLATE	1	
3-52	R-9600k28	1/4ID FIRM GROMMET	1	
3-53	R-5187k61	SILENCER DRAIN LINE	1	

*Assembly

** Modified

Fuel System (Fig. 4)



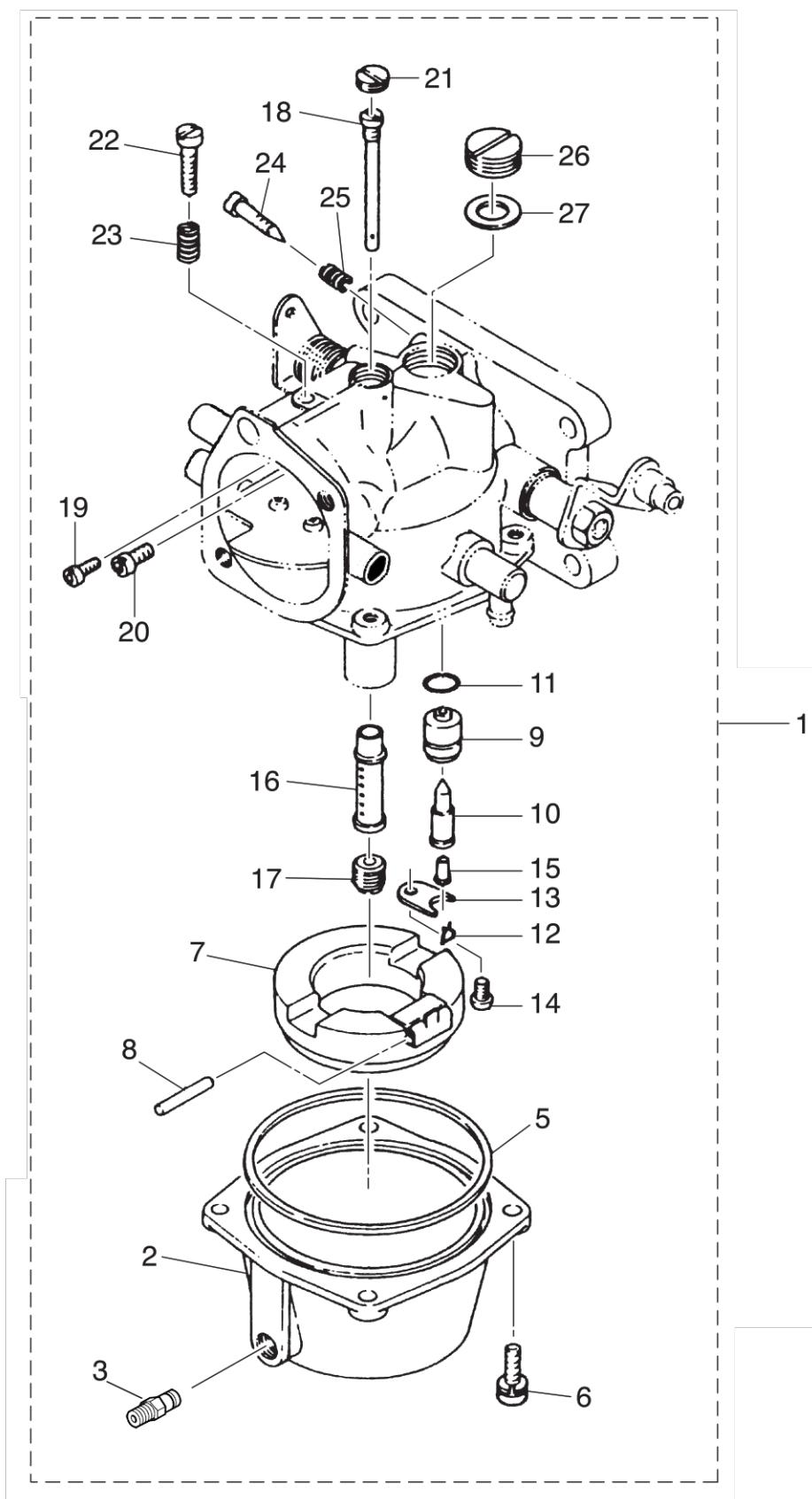
Fuel System

Ref. No.	Part No.	Description	Qty	Remarks
4-1	R-TRNCB40	FLOAT CHAMBER**	1	Tritan
4-2	R-5454K63	FLOAT CHAMBER, HOSE FITTING	1	
4-3	R-CEL-65432-8	FUEL LINE 1/8" 8"	1	T-Fitting to Float Chamber 8"
4-4	R-91355K57	T-HOSE FITTING 1/8"	1	
4-5	R-CEL-65432-4	FUEL LINE 1/8"	1	T-Fitting to Dewatering Valve 4"
4-6	R-CEL-65432-4	FUEL LINE 1/8"	1	T-Fitting to Primer 4"
4-7	R-11305	PRIMER	1	
4-8	R-54605K32-8	FUEL LINE 1/4" 8"	1	T-Fitting to Carburetor
4-9	R-5011T141	HOSE CLAMP, WORM GEAR	2	
4-10	R-5454K63	HEAVY FUEL PLATE, HOSE FITTING	1	1/8" 10/32"
4-11	R-VM22/210-17.5	HEAVY FUEL PLATE, JET	1	
4-12	R-CHFAP40	HEAVY FUEL PLATE	1	
4-13	9101F4-5630	BOLT	1	Intake Manifold Bolt
4-14	R-5435K13	OETIKER CLAMP 13.3	6	
4-15	930103-0800	NUT	1	
4-16	940103-0800	WASHER	2	
4-17	348-02231-0	FUEL FILTER ASSY, PLATE	1	
4-18	346-02234-0	FILTER*	1	
4-19	346-02235-0	GASKET*	1	
4-20	346-02237-0	CUP*	1	
4-21	346-02230-0	FUEL FILTER ASSY	1	
4-22	R-91355K47	T-HOSE FITTING 1/4"	1	
4-23	R-CEL-65432-6	FUEL LINE 1/8" 6"	1	HF Block to HF Plate
4-24	R-54605K32-6.5	FUEL LINE 1/4" 6.5"	1	T-Fitting to HF Elbow
4-25	R-L8599-3	FUEL DONGLE	1	
4-26	R-5454K63	HEAVY FUEL BLOCK, HOSE FITTING	2	1/8" 10/32"
4-27	R-FDB40	HEAVY FUEL DISTRIBUTION BLOCK	1	
4-28	R-4112T61	HEAVY FUEL VALVE	1	
4-29	R-134040C	HEAVY FUEL ELBOW	1	
4-30	R-DAO40	FUEL DONGLE, ADAPTER	1	W/Brass Nut
4-31	R-5435K29	OETIKER CLAMP 18.5"	1	
4-32	R-54605K32-17	FUEL LINE 1/4"	1	Tray to Fuel Filter In 17"
4-33	R-54605K32-5	FUEL LINE 1/4"	1	T-Fitting to Fuel Pump Out 5"
4-34	346-04901-2	GASKET	1	
4-35	356-04000-1	FUEL PUMP ASSY	1	
4-36	921503-6640	SCREW	1	
4-37	R-54605K32-15	FUEL LINE 1/4"	1	Fuel Filter Out to Fuel Pump In
4-38	R-CEL-65432-14	FUEL LINE 1/8"	1	HF Block to Primer T-Fitting
4-39	334-04004-0	PUMP COVER*	1	
4-40	9225F2-6528	SCREW*	1	
4-41	334-04005-0	PUMP DIAPHRAGM*	1	
4-42	930222-0300	NUT*	2	
4-43	356-04030-0	DIAPHRAGM GASKET SET*	1	
4-44	921722-0306	SCREW*	2	
4-45	356-04044-0	CHECK VALVE	2	
4-46	334-04007-0	DIAPHRAGM GASKET*	1	
4-47	R-112-51905	1/8 FUEL LINE RETENTION BAND	18	Secure all 1/8 Fuel Lines

*Assembly

** Modified

Carburetor (Fig 5.)



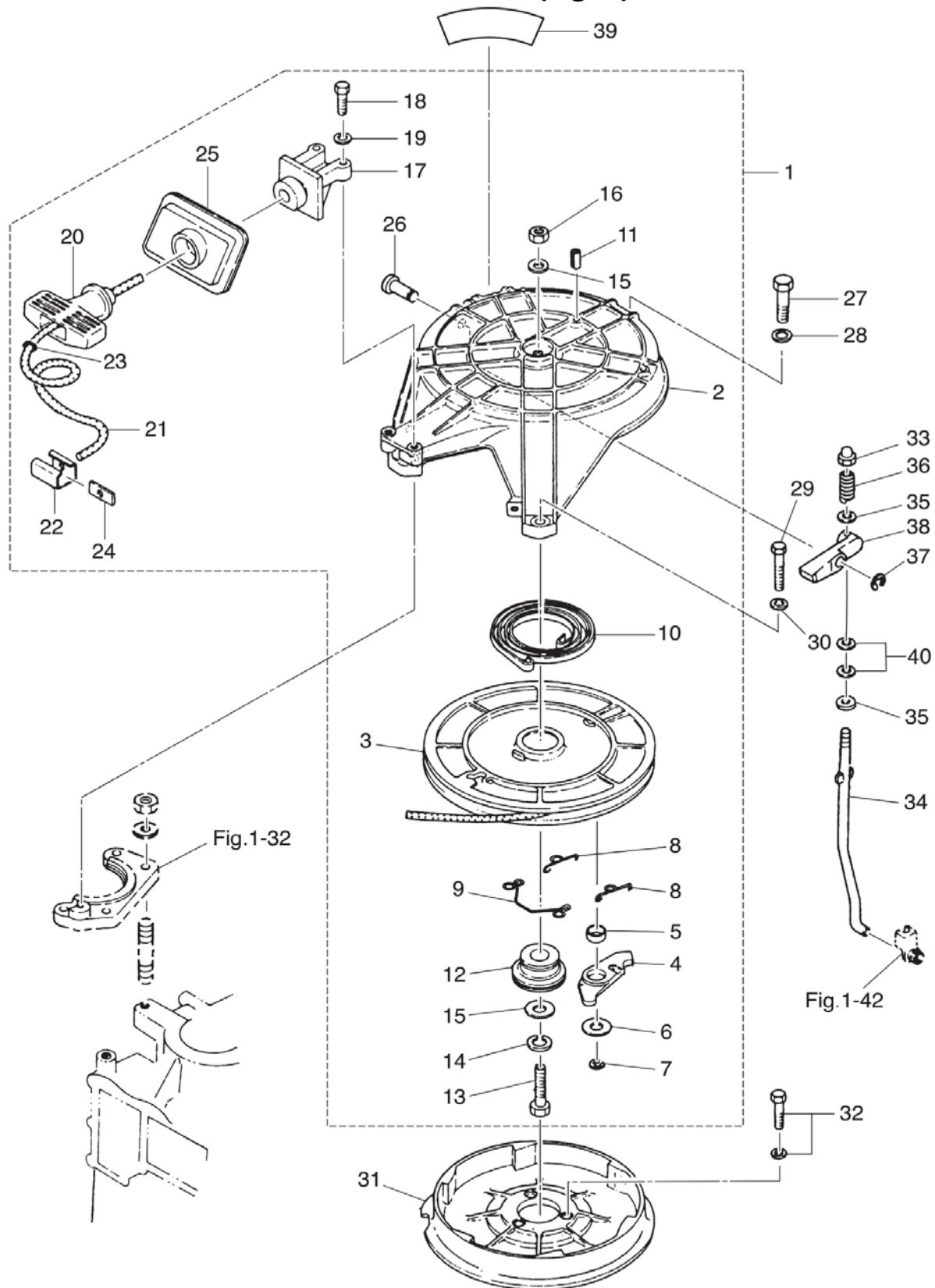
Carburetor

Ref. No.	Part No.	Description	Qty	Remarks
5-1	345-03200-0	CARBURETOR ASSY**	1	
5-2	R-TRNCB40	* FLOAT CHAMBER**	1	Tritan
5-3	R-5454K63	* FLOAT CHAMBER, HOSE FITTING	1	
5-5	336-03222-0	* FLOAT CHAMBER O-RING 1.9-64	1	
5-6	922503-6412	* SCREW	4	
5-7	334-03231-1	* FLOAT	1	
5-8	334-03232-0	* FLOAT ARM PIN	1	
5-9	345-03240-0	* FLOAT VALVE	1	
5-10	3B7-03240-0	* FLOAT VALVE	1	
5-11	345-03243-0	* O-RING 1.3-5.7	1	
5-12	344-03244-0	* CLIP	1	
5-13	334-03241-0	* CLIP PLATE	1	
5-14	921521-0406	* SCREW	1	
5-15	334-03242-0	* VALVE PIN	1	
5-16	345-03252-0	* MAIN NOZZLE	1	
5-17	345-03251-1	* MAIN JET (#220)	1	
5-18	345-03254-0	* SLOW JET (#110)	1	
5-19	345-03253-0	* MAIN AIR JET (#120)	1	
5-20	345-03255-0	* PILOT AIR JET (#120)	1	
5-21	345-03261-0	* PLUG SCREW	1	
5-22	346-03265-0	* STOP SCREW	1	
5-23	346-03267-0	* SPRING	1	
5-24	345-03266-0	* PILOT SCREW	1	
5-25	346-03268-0	* SPRING	1	
5-26	345-03263-0	* PLUG SCREW	1	
5-27	345-03262-0	* PLUG SCREW WASHER	1	

*Assembly

** Modified

Recoil Starter (Fig 6.)



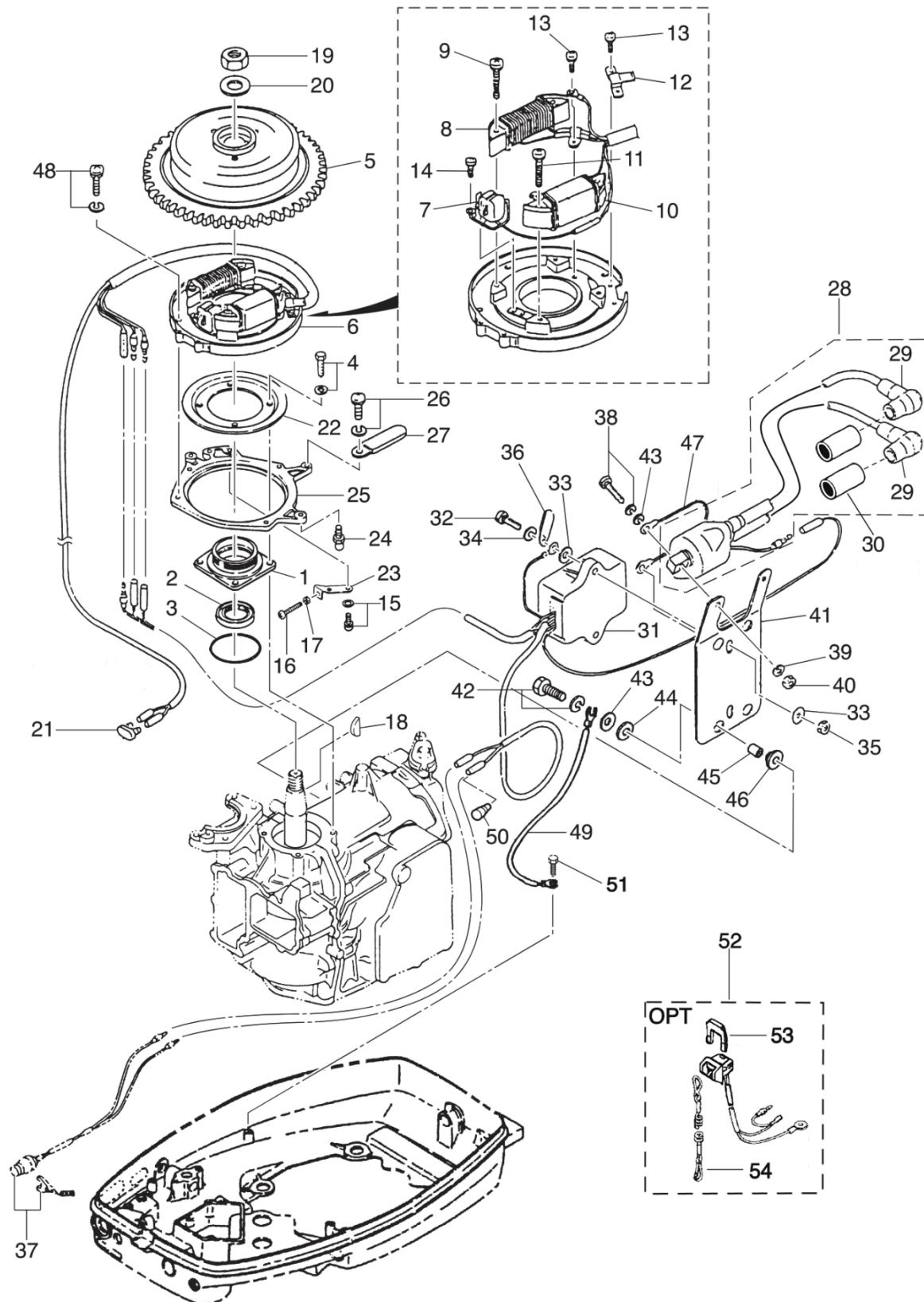
Recoil Starter

Ref. No.	Part No.	Description	Qty	Remarks
6-1	361-05000-1	RECOIL STARTER ASSY	1	
6-2	345-05105-1	* STARTER CASE	1	
6-3	345-05104-1	* REEL ASSY	1	
6-4	345-05003-1	* RATCHET	1	
6-5	345-05135-1	* BUSHING 14.7-15.9-6	1	
6-6	345-05122-1	* WASHER 6.5-23-1.5	1	
6-7	945303-0500	* E-RING d=5	1	
6-8	345-05123-1	* RETURN SPRING	2	
6-9	345-05124-0	* RETURN SPRING	1	
6-10	345-05004-1	* STARTER SPRING	1	
6-11	951403-0316	* SPRING PIN 3-16	1	
6-12	345-05132-0	* STARTER SHAFT	1	
6-13	9101F4-0830	* BOLT	1	
6-14	941322-0800	* SPRING WASHER	2	
6-15	940121-0800	* WASHER	2	
6-16	930103-0800	* NUT	1	
6-17	336-05014-0	* ROPE GUIDE	1	
6-18	9101F4-0625	* BOLT	2	
6-19	941303-0600	* SPRING WASHER	2	
6-20	338-05019-0	* STARTER HANDLE	1	
6-21	345-05013-1	* STARTER ROPEΦ5-2000	1	
6-22	338-05131-0	* ROPE ANCHOR	1	
6-23	350-05136-0	* O-RING 2.5-4.5	1	
6-24	345-05134-0	* ROPE ANCHOR PLATE	1	
6-25	344-05116-0	* SEALING PLATE	1	
6-26	345-05225-1	* STARTER LOCK LEVER SHAFT	1	
6-27	9101140625M	BOLT	1	
6-28	941303-0800	SPRING WASHER	1	
6-29	9101140625M	BOLT	2	
6-30	941303-0600	SPRING WASHER	2	
6-31	345-05901-1	STARTER PULLEY	1	
6-32	910121-6625	BOLT	3	
6-33	R-95514A102	CAP NUT	1	SS
6-34	345-05217-1	STARTER LOCK ROD	1	
6-35	940103-0400	WASHER	2	
6-36	345-05216-0	STARTER LOCK SPRING	1	
6-37	945303-0600	E-RING d=6	1	
6-38	345-05226-0	STARTER LOCK LEVER	1	
6-39	3C7-72182-2	CAUTION DECAL (C)	1	
6-40	R-92141A009	SPACER	2	

*Assembly

** Modified

MAGNETO (Fig 7.)



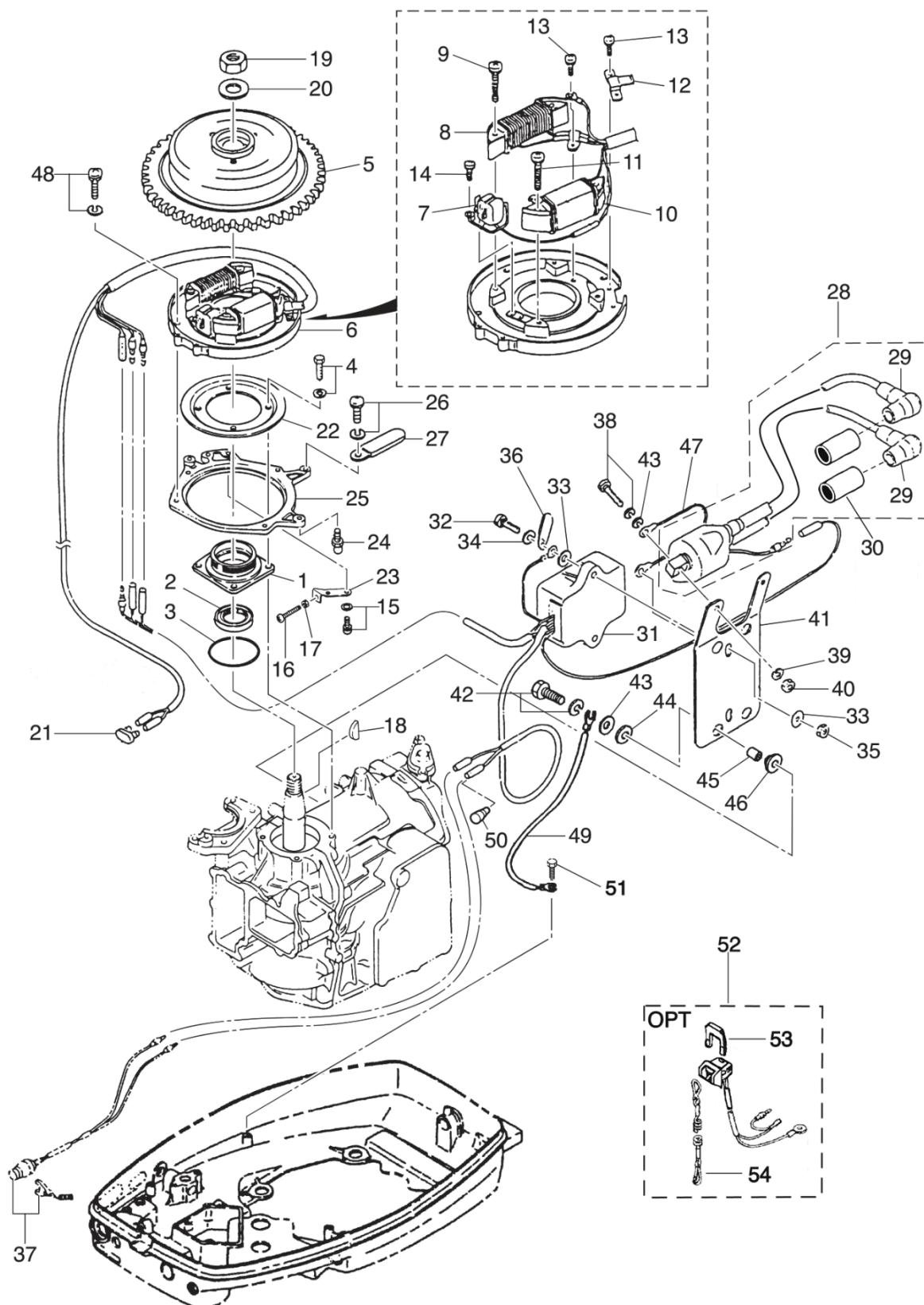
MAGNETO

Ref. No.	Part No.	Description	Qty	Remarks
7-1	345-01401-0	MAGNETO BASEMENT	1	
7-2	126-00121-0	OIL SEAL 30-45-8	1	
7-3	338-01403-0	O-RING 2-55.5	1	
7-4	910121-6620	BOLT	4	
7-5	361-06091-0	FLYWHEEL W/GEAR	1	
7-6	3A0-06002-0	COIL PLATE ASSY W/ALTERNATOR	1	
7-7	3G2-06022-0	* PULSAR COIL	1	
7-8	3A0-06023-0	* ALTERNATOR ASSY	1	
7-9	921521-6528	* SCREW	2	
7-10	3G2-06021-1	* EXCITER COIL	1	
7-11	921521-6522	* SCREW	2	
7-12	350-06025-0	* HOLDER	1	
7-13	921521-6406	* SCREW	3	
7-14	921521-6408	* SCREW	2	
7-15	921521-6510	SCREW	2	
7-16	921503-0530	SCREW	1	
7-17	930103-0500	NUT	1	
7-18	334-00131-0	KEY	1	
7-19	931121-1600	NUT	1	
7-20	345-00133-0	WASHER 16-28-3.2	1	
7-21	353-76037-0	CABLE TERMINAL PLUG	1	
7-22	346-63722-2	GUIDE PLATE	1	
7-23	348-05233-0	COIL PLATE STOPPER	1	
7-24	346-05228-1	BALL JOINT	1	
7-25	353-63723-1	SETTING RING	1	
7-26	922521-6510	SCREW	1	
7-27	309-06972-0	CLAMP 6.5-47.5P	1	
7-28	R-3C1-06048-0	**IGNITION COIL ASSY	1	
7-29	R-LB05EP 8020	* PLUG CAP W/RESISTANCE	2	NGK
7-30	R-SPB4050	* 2" BOOT EXTENDER	2	
7-31	361-06060-1	CD UNIT	1	
7-32	910103-0625	BOLT	2	
7-33	3C8-66308-0	WASHER 6-16-1.5	4	
7-34	941303-0600	SPRING WASHER	2	
7-35	930103-0600	NUT	2	
7-36	309-06972-0	CLAMP 6.5-47.5P	1	
7-37	398-06830-0	*STOP SWITCH LANYARD ASSY	1	
7-38	910103-5620	BOLT	2	
7-39	941303-0600	SPRING WASHER	2	
7-40	930103-0600	NUT	2	
7-41	3A0-06322-1	PLATE	1	
7-42	910103-6625	BOLT	3	
7-43	3C8-66308-0	WASHER 6-16-1.5	3	
7-44	3B7-06305-0	RUBBER MOUNT 9-16-4.3	3	
7-45	3A0-76079-0	COLLAR 6.2-9-7.4	3	
7-46	3F3-06920-0	RUBBER MOUNT 8.5-12-2	3	

*Assembly

** Modified

MAGNETO



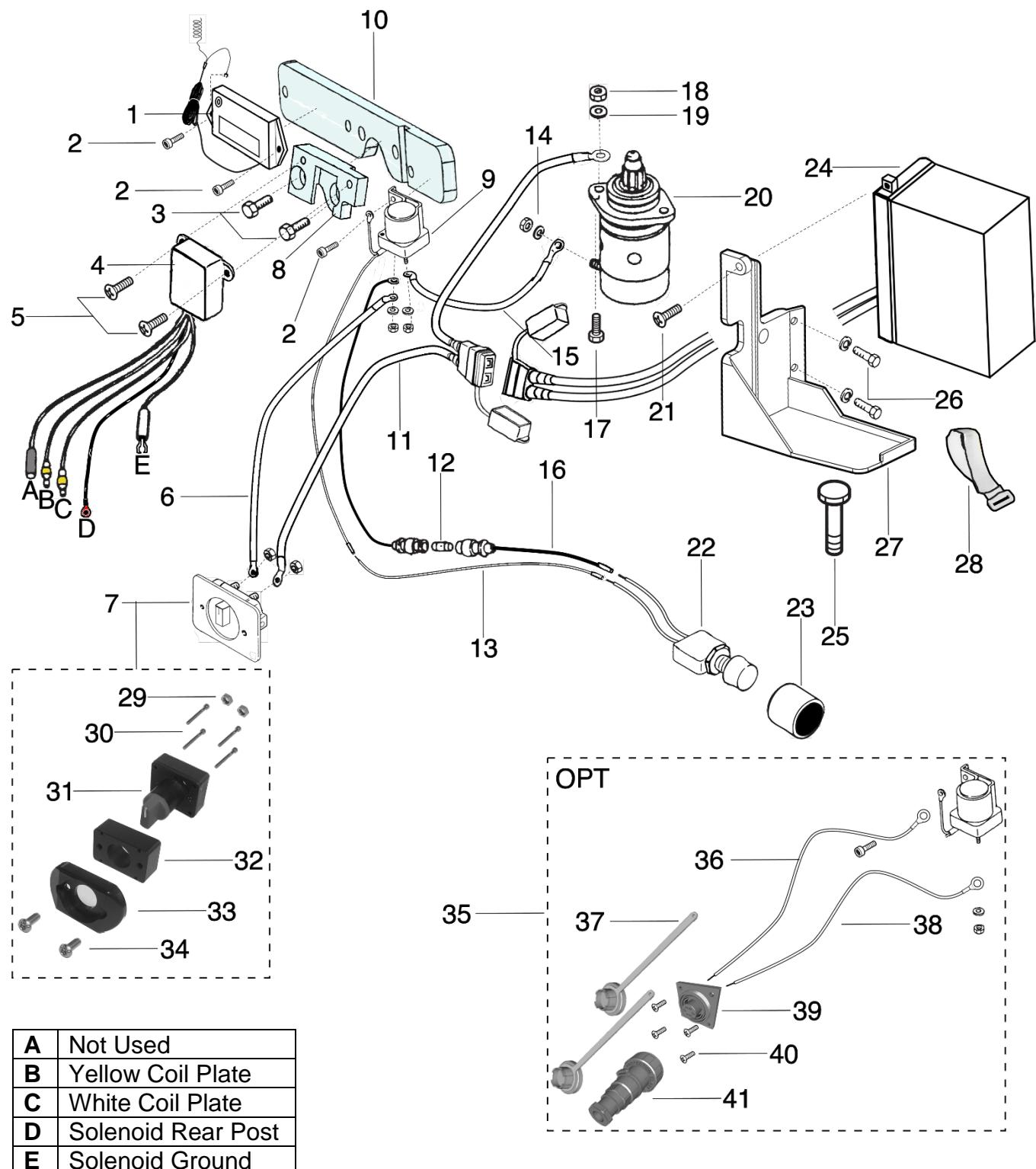
MAGNETO

Ref. No.	Part No.	Description	Qty	Remarks
7-47	3B7-76142-1	GROUND CABLE L=120	1	
7-48	922521-6510	SCREW	4	
7-49	3C7-76142-1	GROUND CABLE L=170	1	
7-50	3A3-76037-0	CABLE TERMINAL PLUG	2	
7-51	910103-0612	BOLT	1	
7-52	R-87-826677A3	CUT-OFF SW/LANYARD ASSY	1	OPT EU
7-53	R-8M0032846	*RETAINER BRASS	1	OPT EU
7-54	R-8M0092850	*LANYARD CORD ASSEMBLY	1	OPT EU

*Assembly

** Modified

Electric Parts (Fig 8.)



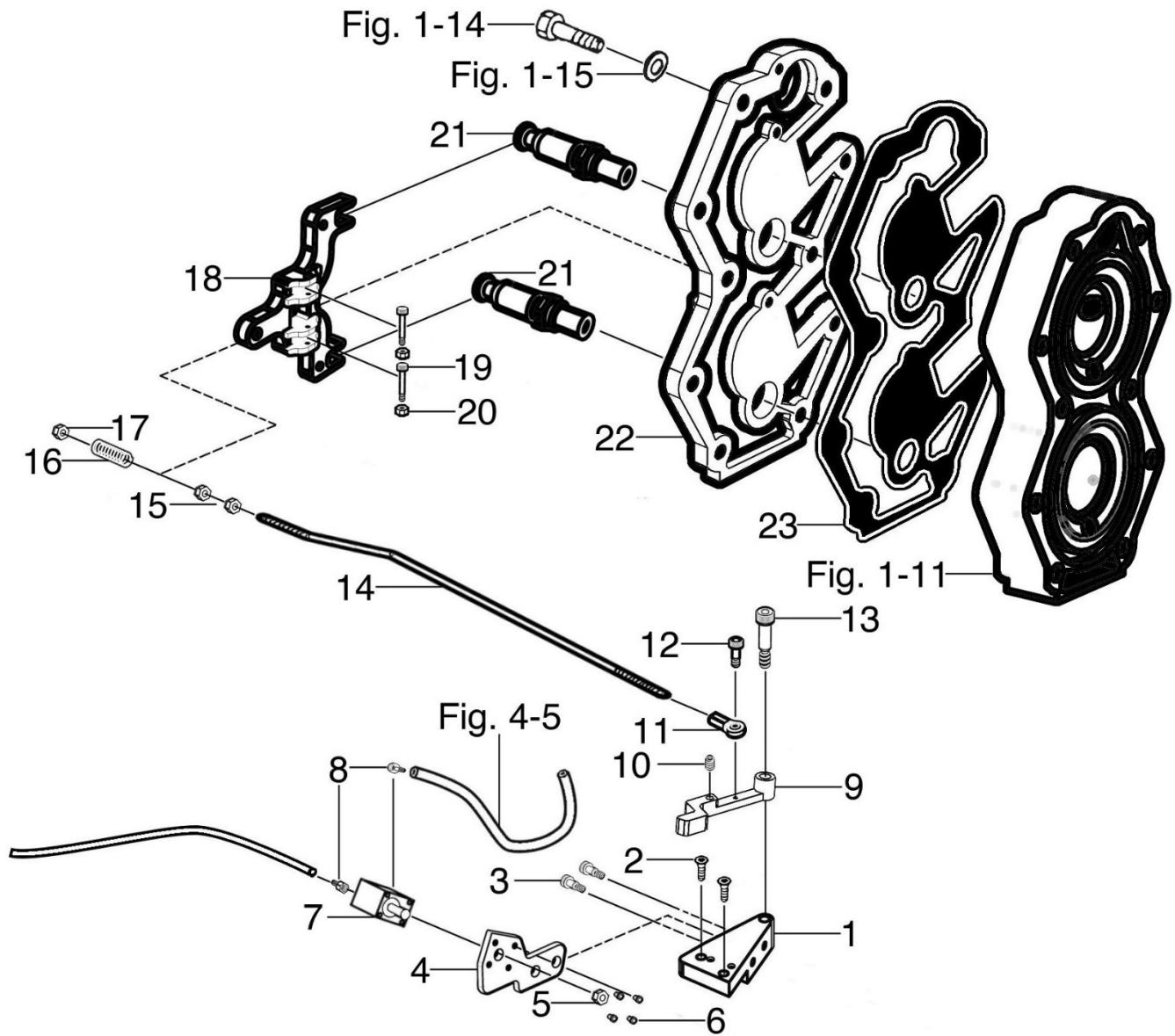
Electric Parts

Ref. No.	Part No.	Description	Qty	Remarks
8-1	R-RL-HM026	TACHOMETER	1	
8-2	R-91292A134	CAP HEAD SCREW	3	Tachometer/Solenoid
8-3	R-91287A141	HEX BOLT/BRACKET/RECTIFIER	2	
8-4	R-193-5114	RECTIFIER	1	
8-5	R-91772A829	SCREW/RECTIFIER	2	
8-6	R-9E	CABLE/DISCONNECT 9"	1	Disconnect to Solenoid
8-7	R-BDSW4050	DISCONNECT SWITCH/BATTERY ASSY**	1	
8-8	R-RRAB40	BRACKET/RECTIFIER	1	
8-9	346-76040-0	STARTER SOLENOID	1	
8-10	R-HMB40	TACHOMETER BAR/ELECTRICAL	1	
8-11	R-LH40	LOAD HARNESS	1	
8-12	R-82115	FUSE 20A	1	
8-13	R-CPT4050	WIRE/GROUND	1	Start Switch to Solenoid
8-14	R-90710A038	HEX NUT/WASHER/STARTER	1	M6X1 SS 18-8
8-15	R-9E	CABLE/STARTER	1	Solenoid to Starter
8-16	32B-76062-0	FUSE WIRE ASSY L=355	1	
8-17	910103-0830	HEX BOLT/STARTER MOTOR	1	
8-18	930103-0800	NUT/STARTER MOTOR	1	
8-19	941303-0600	SPRING WASHER/STARTER MOTOR	1	
8-20	346-76010-0	STARTER MOTOR ASSY**	1	
8-21	R-93395A357	SCREW/BATTERY TRAY	1	
8-22	R-1795152	START SWITCH	1	
8-23	R-SSC4050	COVER/START SWITCH	1	
8-24	R-EB12B-4-1	START BATTERY**	1	
8-25	R-BSSM6	SHOULDER BOLT/BATTERY TRAY	1	
8-26	9101F4-5630	BOLT/WASHER/INTAKE MANIFOLD	2	
8-27	R-PBT50	BATTERY TRAY	1	
8-28	R-3955T282	STRAP/BATTERY TRAY	1	
8-29	R-93187A250	*HEX NUT/BRASS	2	M6X1 Brass
8-30	R-92196A115	*SCREW 4/40X1	4	
8-31	R-BDSW	*DISCONNECT SWITCH/BATTERY	1	
8-32	R-BDS4050	*SPACER/DISCONNECT SWITCH	1	
8-33	R-BSWH4050	*FACE PLATE/DISCONNECT SWITCH	1	
8-34	R-92095A238	*SCREW M6X16	2	
8-35	R-DAPU	DC ACCESSORY PLUG ASSY	1	
8-36	R-SG40	*WIRE/GROUND	1	Solenoid Ground Black
8-37	R-PX0733	*SEALING CAP	2	Bulgin
8-38	R-SP40	*WIRE/SOLENOID	1	Solenoid Rear Post Red
8-39	R-PX0764/S	*2 POLE FLANGE SKT LOW PROFILE	1	Bulgin
8-40	R-	*SCREWS	4	
8-41	R-PX0736/P	*2 POLE FLEX PLUG	1	Bulgin

*Assembly

** Modified

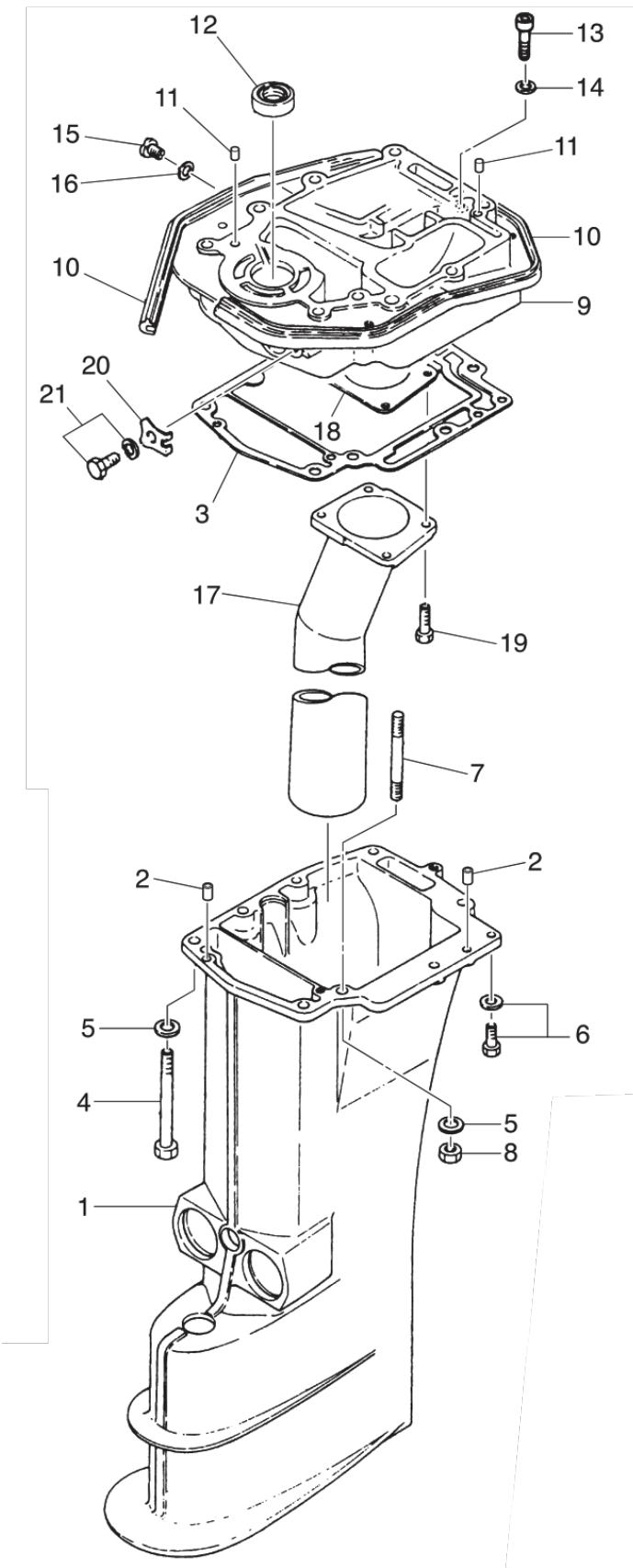
Dewatering (Fig. 9)



Dewatering

Ref. No.	Part No.	Description	Qty	Remarks
9-1	R-DFVB40	BRACKET (DV)	1	
9-2	R-93395A359	HEX FLAT SCREW M6X10MM	2	
9-3	R-96006A703	SOCKET CAP SCREW (DV)	2	
9-4	R-BDWM4050	BRACKET, DEWATERING LEVER	1	
9-5	R-91831A029	LOCKNUT (DV)	1	
9-6	R-97763A143	BRACKET SCREW (DV)	4	
9-7	R-RRDV-1	DEWATERING VALVE (DV)	1	
9-8	R-5454K63	HOSE FITTING (DV)	2	
9-9	R-DWL4050	DEWATERING LEVER	1	
9-10	R-3408A42	SPRING BALL NOSE PLUNGER	1	
9-11	R-2988K31	BALL SOCKET SWIVEL	1	
9-12	R-97345A483	SHOULDER BOLT 3-16/5-16	1	
9-13	R-97345A622	SHOULDER BOLT 1/4	1	
9-14	R-40DWR	ROD, DEWATERING	1	
9-15	R-91828A241	NUT	2	
9-16	R-1985K71	SPRING	1	
9-17	R-93625A200	NYLOCK NUT M5 SS	1	
9-18	R-DWF40	DEWATERING FINGERS	1	
9-19	R-94035A135	SHOULDER SCREW 1/8 DIA 5/8 LGTH	2	
9-20	R-91831A005	SHOULDER NUT 440 NYLON	2	
9-21	R-3642	DECOMPRESSION VALVE	2	
9-22	R-HCPLT40	CYLINDER HEAD COVER	1	head Cover Plate
9-23	R-3074	WATER JACKET GASKET	1	

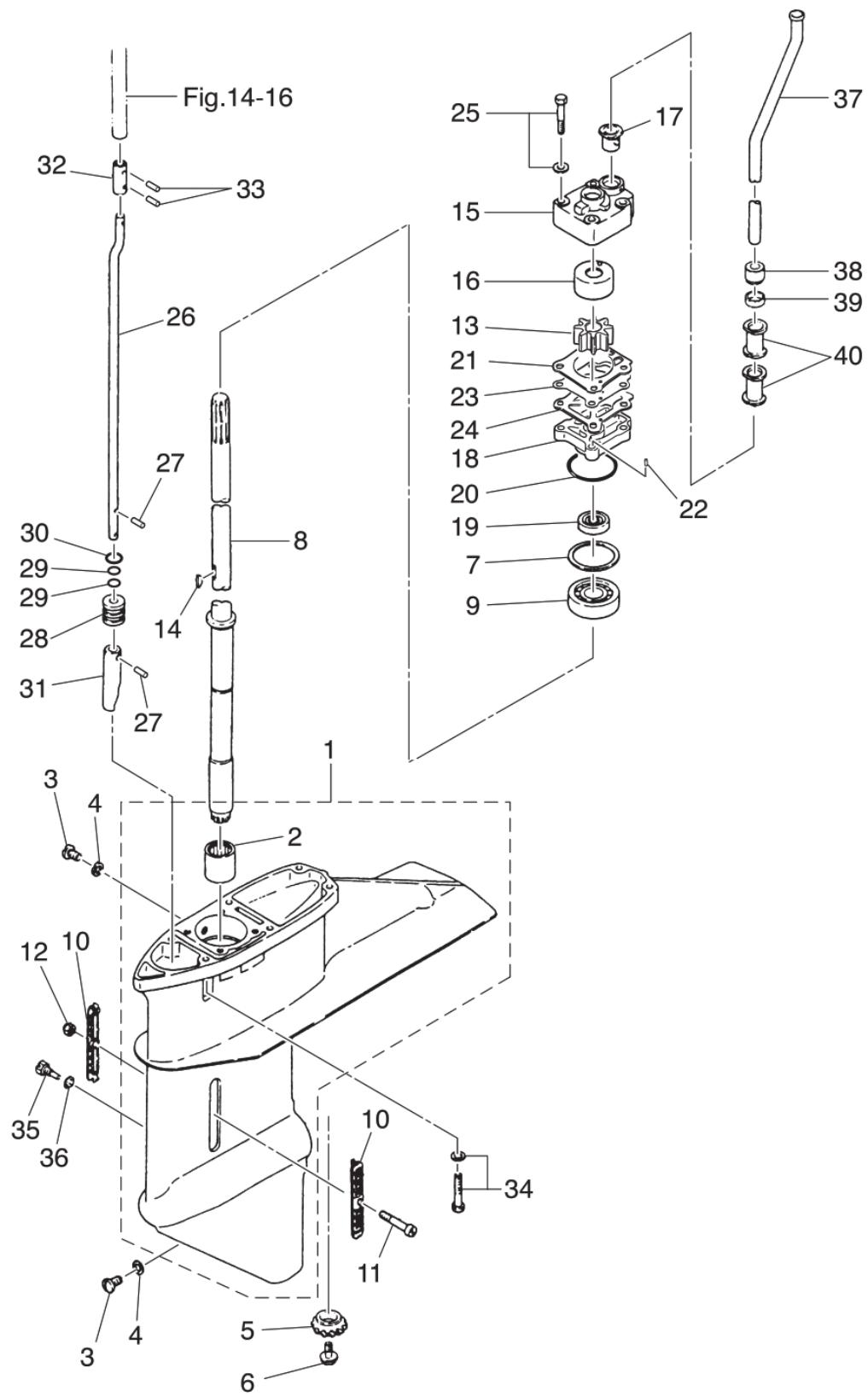
Drive Shaft Housing (Fig. 10)



Drive Shaft Housing

Ref. No.	Part No.	Description	Qty	Remarks
10-1	345Q61020-2	DRIVE SHAFT HOUSING (S)	1	
10-1	361Q61030-1	DRIVE SHAFT HOUSING (L)	1	
10-2	345-01111-0	DOWEL PIN 6-12	2	
10-3	345-61012-1	DRIVE SHAFT HOUSING GASKET	1	
10-4	9161E3-0885	BOLT	8	
10-5	3P0-66233-0	WASHER 8.1-16-1.5	8	
10-6	9101E3-5620	BOLT	1	
10-7	345-61111-1	STUD	1	
10-8	930103-0800	NUT	1	
10-9	345Q01301-0	ENGINE BASEMENT	1	
10-10	345-67116-0	ENGINE BASEMENT SEAL L=400	2	
10-11	345-01111-0	DOWEL PIN 6-12	2	
10-12	345-01215-0	OIL SEAL 17-30-8	1	
10-13	910203-0640	BOLT	2	
10-14	941303-0600	SPRING WASHER	2	
10-15	9106E3-0808	BOLT	1	
10-16	332-60006-0	GASKET 8.1-15-1	1	
10-17	361-02311-1	EXHAUST PIPE	1	
10-18	345-02312-1	EXHAUST PIPE GASKET	1	
10-19	9101E3-5625	BOLT	4	
10-20	345-61312-1	RUBBER MOUNT RETAINER	2	
10-21	9101E3-5820	BOLT	2	

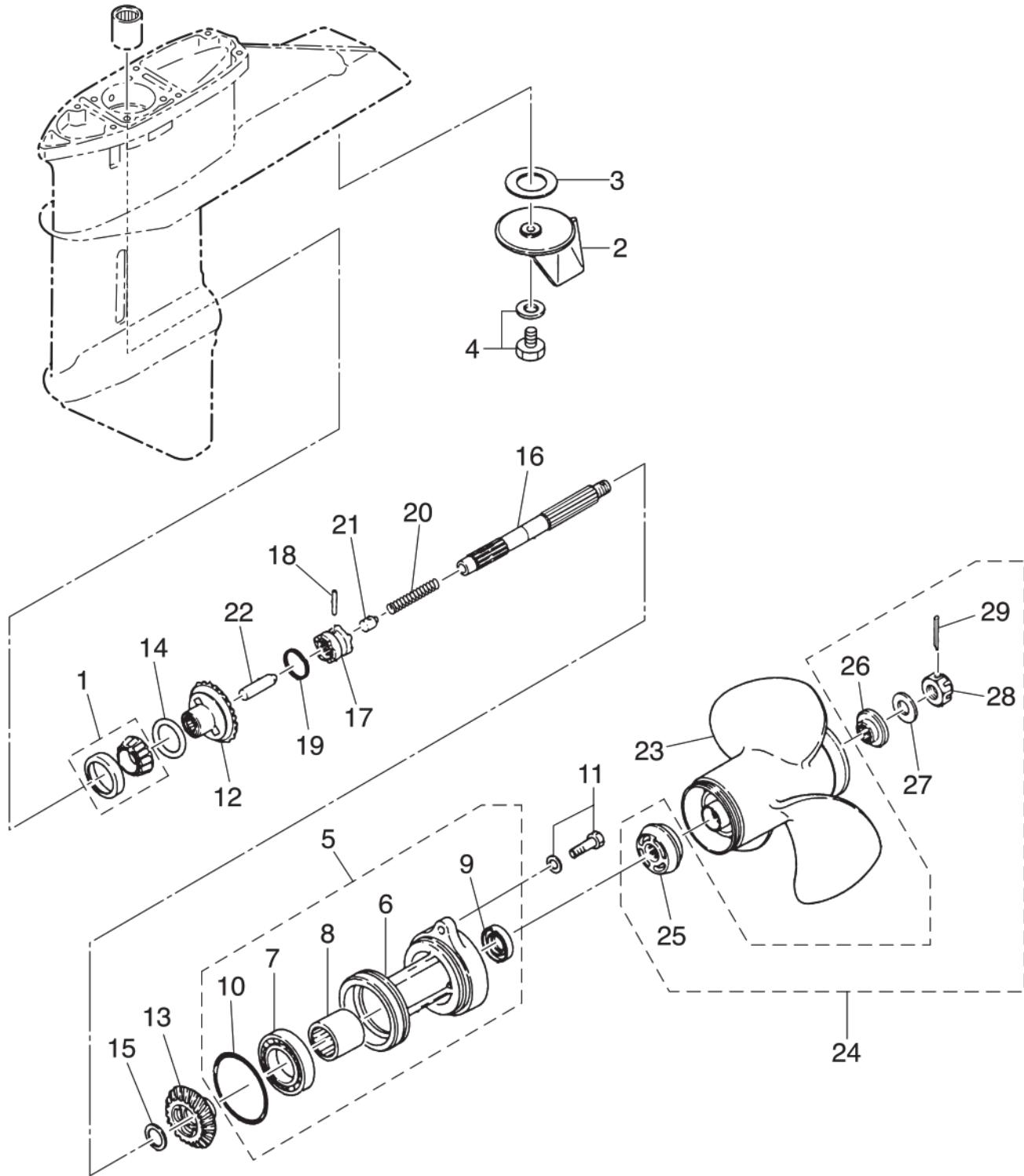
Gear Case (Drive Shaft) (Fig. 11)



Gear Case (Drive Shaft)

Ref. No.	Part No.	Description	Qty	Remarks
11-1	361Q60000-0	GEAR CASE ASSY	1	
11-2	345-60211-0	* ROLLER BEARING 22-30-30	1	
11-3	332-60005-2	PLUG 8-8	2	
11-4	332-60006-0	GASKET 8.1-15-1	2	
11-5	345-64020-1	BEVEL GEAR B	1	
11-6	345-64025-0	BOLT	1	
11-7	345-64081-0	SHIM 41-51.5-0.1	A	
11-7	345-64082-0	SHIM 41-51.5-0.15	A	
11-7	345-64083-0	SHIM 41-51.5-0.3	A	
11-7	345-64084-0	SHIM 41-51.5-0.5	A	
11-8	345-64302-0	DRIVE SHAFT (L)	1	
11-9	345-60213-0	TAPERED ROLLER BEARING 32304	1	
11-10	345-60206-1	WATER STRAINER	2	
11-11	921503-0440	SCREW	1	
11-12	930403-0400	NYLON NUT 4-P0.7	1	
11-13	345-65021-0	WATER PUMP IMPELLER	1	
11-14	332-65022-0	KEY	1	
11-15	348-65016-1	PUMP CASE (UPPER)	1	
11-16	348-65011-0	PUMP CASE LINER	1	
11-17	3B7-65014-0	WATER PIPE SEAL (LOWER)	1	
11-18	348-65017-1	PUMP CASE (LOWER)	1	
11-19	332-60111-0	OIL SEAL 17-33-9.5	1	
11-20	345-65015-0	O-RING 3.2-47	1	
11-21	348-65018-0	PUMP CASE GASKET	1	
11-22	334-65012-0	DOWEL PIN 4-10	2	
11-23	348-65025-0	WATER PUMP GUIDE PLATE	1	
11-24	348-65029-1	GUIDE PLATE GASKET	1	
11-25	9101E3-5652	BOLT	4	
11-26	348-66013-0	CAM ROD (L)	1	
11-27	951403-0316	SPRING PIN 3-16	2	
11-28	345-66031-1	CAM ROD BUSHING	1	
11-29	345-66021-0	O-RING 1.9-6.8	2	
11-30	332-66032-0	O-RING 2.4-15.4	1	
11-31	348-66011-0	CLUTCH CAM	1	
11-32	345-66241-0	SHIFT ROD JOINT	1	
11-33	951403-0312	SPRING PIN 3-12	2	
11-34	9101E3-5840	BOLT	6	
11-35	301-66024-1	STOPPER	1	
11-36	301-66025-0	GASKET 6.2-11-1	1	
11-37	345-65110-1	WATER PIPE (L)	1	
11-38	345-65206-0	WATER PIPE SEAL (UPPER)	1	
11-39	345-65205-0	COLLAR 18-20-4.5	1	
11-40	346-65204-0	WATER PIPE AUXILIARY MOUNT	2	

Gear Case (Propeller Shaft) (Fig. 12)

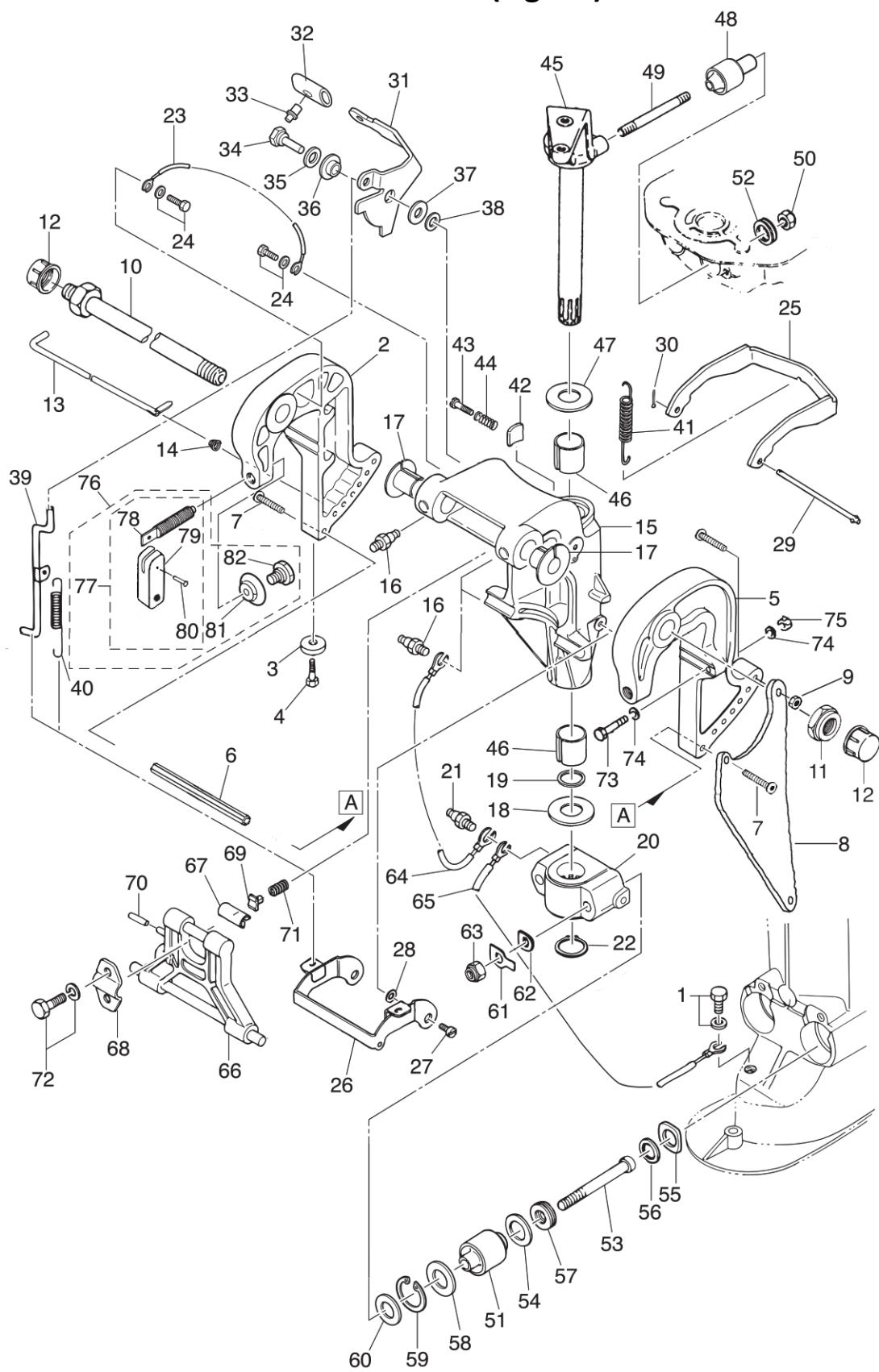


Gear Case (Propeller Shaft)

Ref. No.	Part No.	Description	Qty	Remarks
12-1	345-60215-0	TAPERED ROLLER BEARING 32007	1	
12-2	348-60217-0	TRIM TAB	1	
12-3	353-60219-0	TRIM TAB GASKET	1	
12-4	910103-5618	BOLT	1	
12-5	345Q60100-0	PROPELLER SHAFT HOUSING ASSY	1	
12-6	345Q60101-1	* PROPELLER SHAFT HOUSING	1	
12-7	9601-0-6007	* BALL BEARING 6007	1	
12-8	345-60211-0	* ROLLER BEARING 22-30-30	1	
12-9	334-60223-0	* OIL SEAL 22-36-10	1	
12-10	345-60103-0	* O-RING 3.5-69.4	1	
12-11	9101E3-5830	BOLT	2	
12-12	348-64010-1	BEVEL GEAR ASSY (A)	1	
12-13	348-64030-0	BEVEL GEAR C	1	
12-14	353-64036-0	SHIM 36-44-0.3	A	
12-14	353-64037-0	SHIM 36-44-0.15	A	
12-14	353-64038-0	SHIM 36-44-0.1	A	
12-15	345-64032-0	WASHER 22.1-28-3	1	
12-16	348-64211-0	PROPELLER SHAFT	1	
12-17	348-64215-0	CLUTCH	1	
12-18	345-64217-0	PIN	1	
12-19	345-64219-0	SNAP	1	
12-20	345-64221-0	SPRING	1	
12-21	345-64222-0	SPRING RETAINER	1	
12-22	345-64223-0	PUSH ROD	1	
12-23	348B64107-1	PROPELLER ASSY (8.5")	1	
12-23	361B64115-1	PROPELLER ASSY (9")	1	
12-23	361B64109-1	PROPELLER ASSY (10")	1	
12-23	3T5B645230	PROPELLER ASSY (11")	1	
12-23	3T5B64525-0	PROPELLER ASSY (12")	1	
12-23	3T5B64527-0	PROPELLER ASSY (13")	1	
12-23	3T5B64529-0	PROPELLER ASSY (14")	1	
12-23	348B64108-1	PROPELLER ASSY (7")	1	
12-24	361-87326-0	PROPELLER HARDWARE KIT	1	
12-25	3C8-64231-0	* THRUST HOLDER	1	
12-26	348-64232-0	* STOPPER	1	
12-27	345-64124-0	* WASHER 17-32-3	1	
12-28	345-64121-0	* PROPELLER NUT	1	
12-29	951503-0325	* SPLIT PIN 3-25	1	

*Assembly

Stern Bracket (Fig. 13)



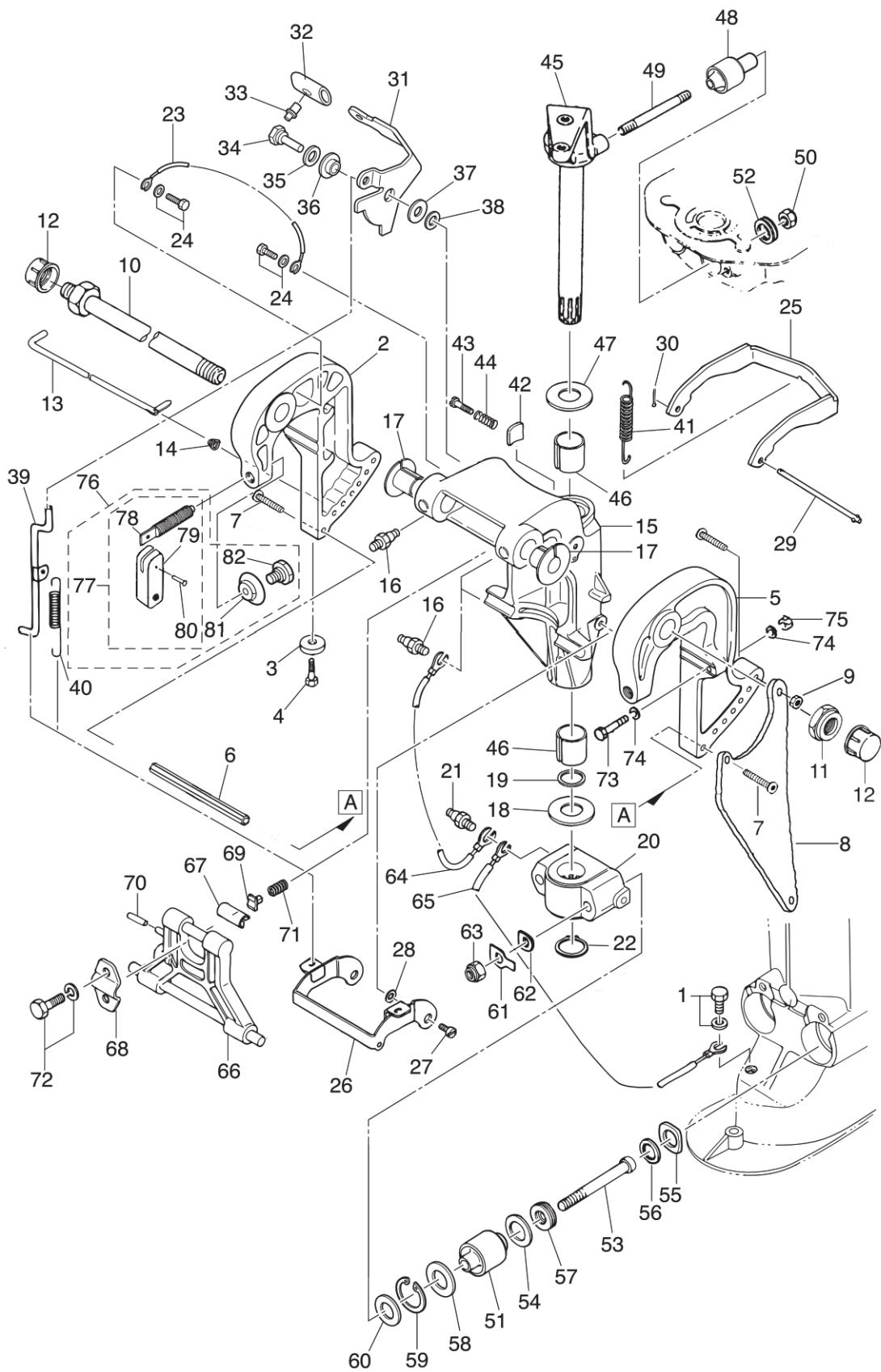
Stern Bracket

Ref. No.	Part No.	Description	Qty	Remarks
13-1	9101E3-5610	BOLT	1	
13-2	3AEQ62112-2	CLAMP BRACKET (R)	1	STBD
13-3	338-60218-2	ANODE	1	
13-4	910103-5620	BOLT	1	
13-5	3AEQ62113-2	CLAMP BRACKET (L)	1	PORT
13-6	R-H5040	HEX STAND OFF	1	
13-7	R-92210A548	HEX HEAD SCREW	4	PORT /STBD
13-8	R-TSP40	TRANSOM GUIDE PLATE	2	PORT/STBD
13-9	R-91831A029	NYLOC NUT	2	PORT/STBD
13-10	3AC-62191-0	SWIVEL BRACKET SHAFT ASSY	1	Bracket Bolt
13-11	346-62124-1	NYLON NUT 7/8-14	1	
13-12	346-62127-0	CAP NUT	2	
13-13	345-62121-1	THRUST ROD	1	
13-14	345-62122-2	THRUST ROD SPRING	1	
13-15	349Q62310-3	SWIVEL BRACKET	1	
13-16	344-67177-1	GREASE FITTING	3	
13-17	349-62126-0	BUSHING	2	
13-18	346-62424-1	THRUST PLATE (LOWER) 26.5-46-1	1	
13-19	3H8-62415-0	O-RING 3.5-25.7	1	
13-20	348Q61411-2	MOUNT BRACKET	1	
13-21	344-67177-1	GREASE FITTING	2	
13-22	945103-2500	C-RING d=25	1	
13-23	398-62396-1	GROUND L=130	1	
13-24	9101E3-5612	BOLT	2	
13-25	346-66322-0	REVERSE LOCK	1	
13-26	349-66313-0	REVERSE LOCK ARM	1	
13-27	336-66319-1	PIVOT BOLT	2	
13-28	3R0-66308-0	WASHER 6-16-1.5	2	
13-29	346-66321-0	REVERSE LOCK ROD	1	
13-30	951503-0212	SPLIT PIN 2-12	1	
13-31	3P0-66311-0	REVERSE LOCK LEVER	1	
13-32	3AL-66333-0	REVERSE LOCK LEVER GRIP	1	
13-33	346-66334-0	STOPPER	1	
13-34	3AL-05254-0	SHOULDER BOLT 6-8	1	
13-35	940103-0800	WASHER	1	
13-36	3AL-05212-0	BUSHING 8.1-20	1	
13-37	3AA-83719-0	WASHER 8.5-18-1.6	1	
13-38	3R0-66308-0	WASHER 6-16-1.5	1	
13-39	349-66312-0	REVERSE LOCK LINK	1	
13-40	346-66323-1	REVERSE LOCK LEVER SPRING	1	
13-41	3R0-66332-0	REVERSE LOCK SPRING	1	
13-42	345-62441-0	FRICTION PIECE	1	
13-43	9101E3-0830	BOLT	1	
13-44	346-62421-1	FRICTION SPRING	1	
13-45	348Q62010-1	STEERING SHAFT ASSY	1	
13-46	345-62417-0	BUSHING 26-32	2	

*Assembly

** Modified

Stern Bracket



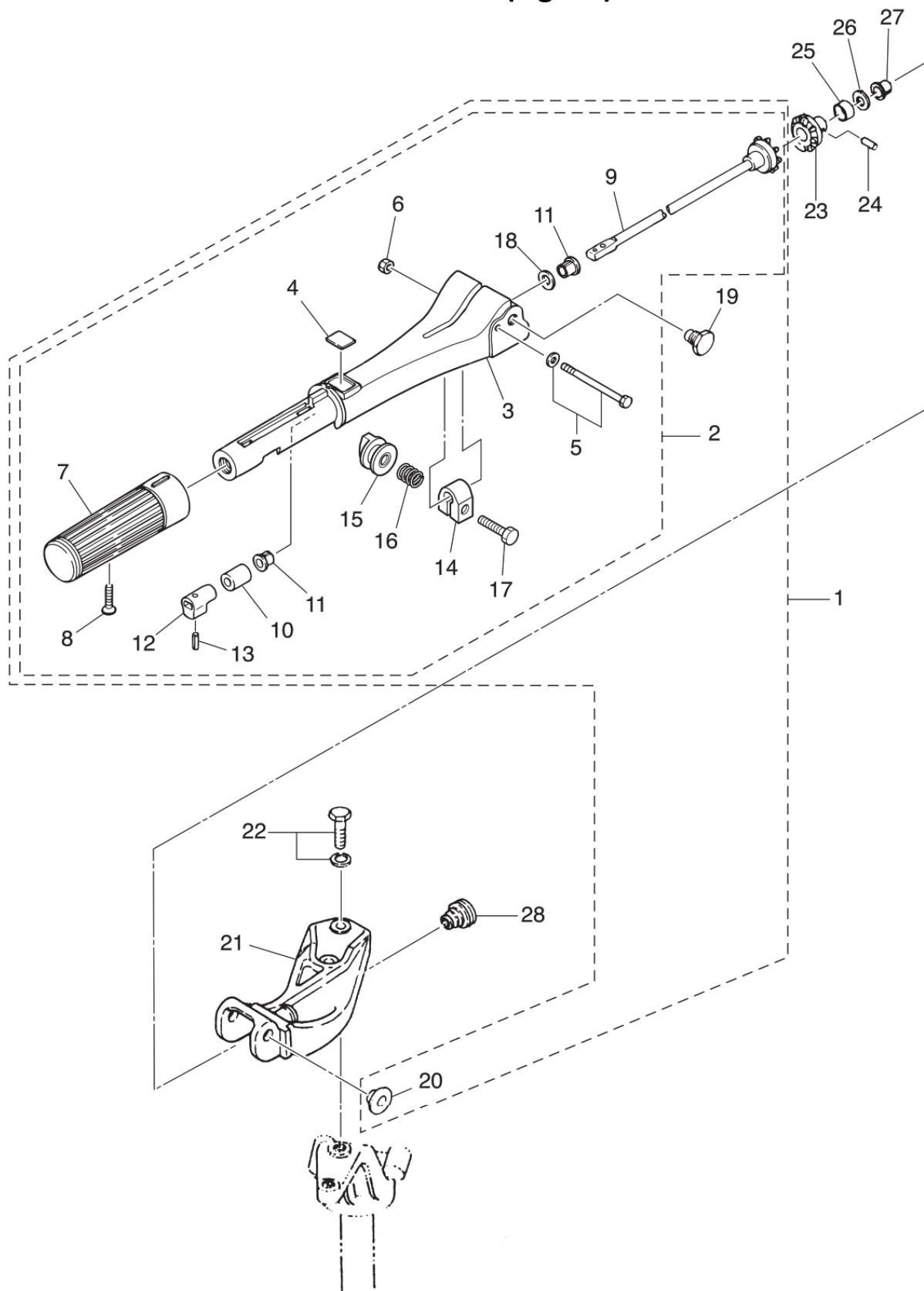
Stern Bracket

Ref. No.	Part No.	Description	Qty	Remarks
13-47	3A0-62423-2	THRUST PLATE (UPPER) 27-50-1	1	
13-48	345-61301-1	RUBBER MOUNT (UPPER)	2	
13-49	345-61313-0	STUD	2	
13-50	930403-1000	NYLON NUT 10-P1.5	2	
13-51	345-61302-1	RUBBER MOUNT (LOWER)	2	
13-52	345-61333-0	DAMPER (UPPER)	2	Upper
13-53	345-61321-2	BOLT	2	
13-54	345-61334-0	WASHER 21-40.3-4	2	
13-55	345-61331-0	DAMPER CAP	2	
13-56	345-61332-0	COLLAR 20-31.7-3	2	
13-57	345-61333-0	DAMPER (UPPER)	2	Lower
13-58	348-61309-0	SHIM 33-40.7-0.5	A	
13-59	945003-4000	C-RING d=40	2	
13-60	9401E3-1000	WASHER	2	
13-61	346-61323-0	LOCK PLATE	2	
13-62	345-61322-2	WASHER	2	
13-63	930103-1000	NUT 10-P1.5	2	
13-64	3A3-62396-1	GROUND L=110	1	Swivel Bracket-Mount Bracket
13-65	3A3-62396-1	GROUND L=110	1	Mount Bracket-Drive Shaft Housing
13-66	349Q629933	TILT STOPPER	1	
13-67	346-62437-0	BUSHING 10.2-12-29.5	1	
13-68	346-62439-1	SETTING PLATE	1	
13-69	346-62438-0	SETTING PIECE	1	
13-70	951403-0640	SPRING PIN	1	
13-71	3C8-62421-1	FRICTION SPRING	1	
13-72	9101E3-5820	BOLT	2	
13-73	916103-0885	BOLT	2	
13-74	940103-0800	WASHER	4	
13-75	930103-0800	NUT	2	
13-76	R-CSK4050	CLAMP SCREW KIT	2	
13-77	R-CSA4050	CLAMP SCREW ASSY	1	
13-78	3AA-62106-0	*CLAMP SCREW	1	
13-79	R-3R5-62106-0	*CLAMP SCREW HANDLE	1	
13-80	R-97345A489	*SHOULDER BOLT	1	
13-81	332-62101-1	CLAMP SCREW PAD	1	
13-82	945303-0600	E-RING/CLAMP	1	

*Assembly

** Modified

Tiller Handle (Fig. 14)



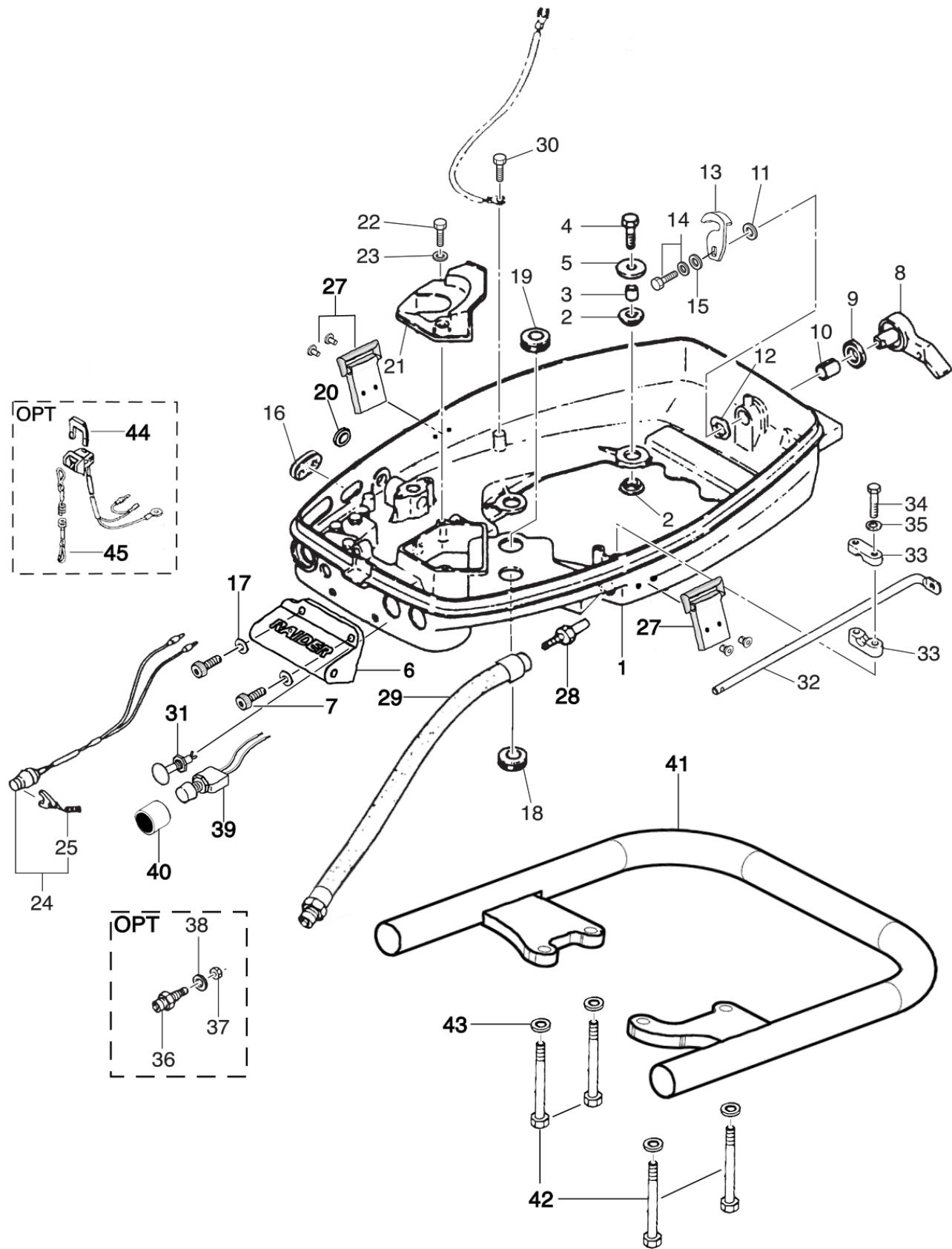
Tiller Handle

Ref. No.	Part No.	Description	Qty	Remarks
14-1	398Q63003-1	TILLER HANDLE ASSY	1	
14-2	3M3Q63005-1	* TILLER HANDLE SUB-ASSY	1	
14-3	398Q63011-1	** TILLER HANDLE	1	
14-4	369-72019-1	** THROTTLE DECAL	1	
14-5	9101E3-5675	** BOLT	1	
14-6	930403-0600	** NYLON NUT 6-P1.0	1	
14-7	398-63012-0	** GRIP	1	
14-8	921803-0525	** SCREW	1	
14-9	398-63041-0	** THROTTLE SHAFT	1	
14-10	345-63048-0	** THROTTLE SHAFT DAMPER	1	
14-11	350-63046-0	** BUSHING 8.4-10-11	2	
14-12	398-63053-0	** SPACER	1	
14-13	951403-0310	** SPRING PIN 3-10	1	
14-14	3V1-63035-1	** FRICTION PIECE	1	
14-15	3V1-63077-0	** ADJUSTING NUT	1	
14-16	3V1-63036-0	** SPRING	1	
14-17	9101E3-0625	** BOLT	1	
14-18	941403-1000	** WAVE WASHER d=10	1	
14-19	346-63201-2	* BOLT	2	
14-20	345-63207-0	* COLLAR 9.8-12.7-7.5	2	
14-21	345Q63051-0	STEERING BRACKET	1	
14-22	9101E3-5825	BOLT	2	
14-23	346-63064-0	UNIVERSAL PINION	1	
14-24	951403-0414	SPRING PIN 4-14	1	
14-25	346-63066-1	COLLAR 15.9-17-9	1	
14-26	940103-0800	WASHER	1	
14-27	350-63046-0	BUSHING 8.4-10-11	1	
14-28	345-66226-0	GROMMET 17-3	1	

*Assembly

** Modified

Bottom Cowl (Fig. 15)



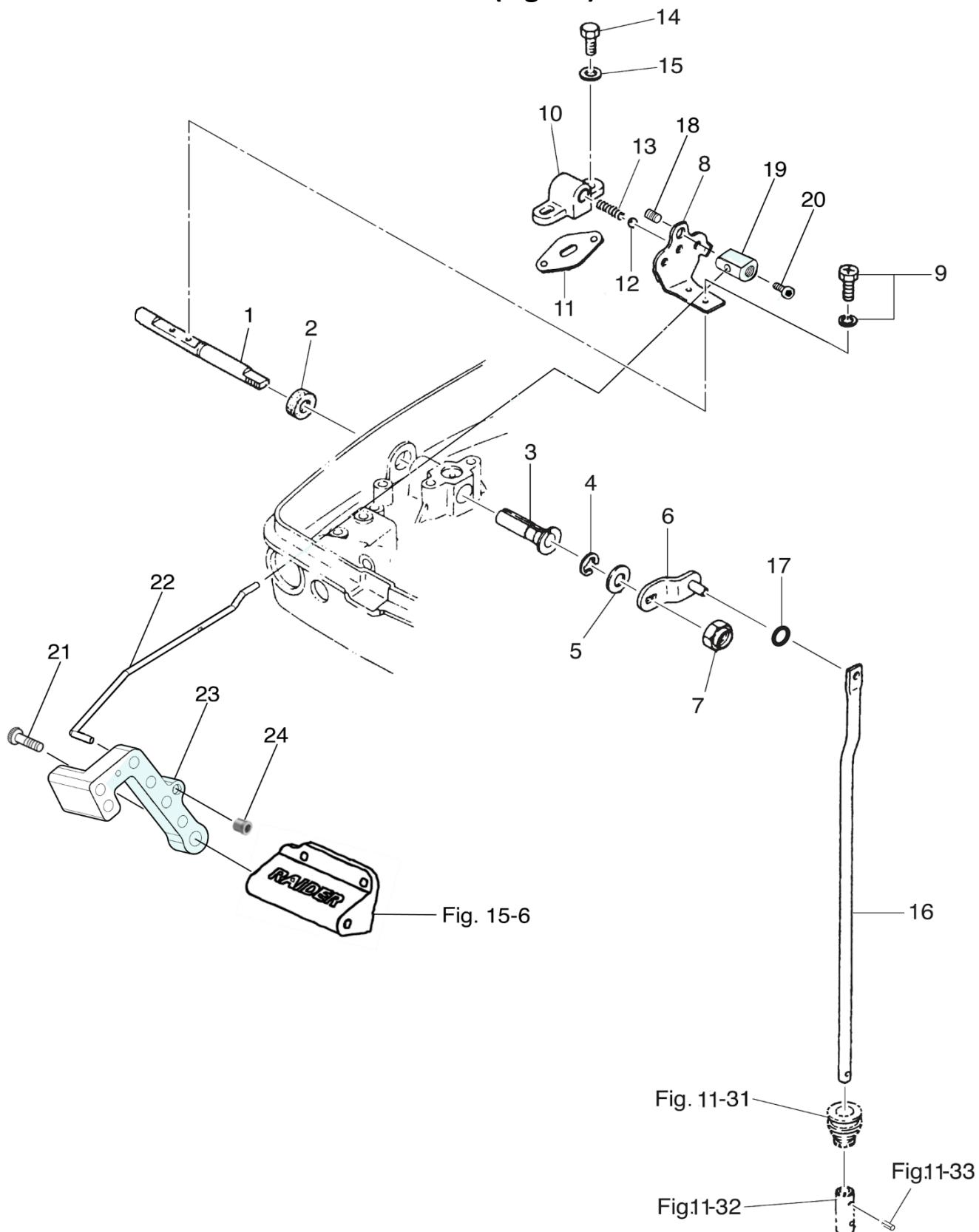
Bottom Cowl

Ref. No.	Part No.	Description	Qty	Remarks
15-1	345Q67100-2	BOTTOM COWL	1	
15-2	345-67113-0	MOUNT 12-18-2.5	8	
15-3	345-67114-0	SPACER 8.4-12-17	4	
15-4	9101E3-6835	BOLT	4	
15-5	345-67115-0	WASHER 6.5-21-1	4	
15-6	R-FSM40	FRONT GRAB HANDLE (FGH)	1	Front shift mount
15-7	R-91292A148	SOCKET CAP SCREW/FGH	2	
15-8	338Q67141-0	HOOK LEVER	1	
15-9	338-67147-0	SEAL RING 13.8-22-3.7	1	
15-10	350-67105-0	HOOK LEVER BUSHING 14-16.5-17.7	1	
15-11	3C8-67146-0	WASHER 14-22-1	1	
15-12	941403-1400	WAVE WASHER d=14	1	
15-13	R-RCL40	COWLING LOCK	1	
15-14	910103-6612	BOLT	1	
15-15	3C8-66308-0	WASHER 6-16-1.5	1	
15-16	353-67162-0	GROMMET	1	
15-17	R-98437A112	WASHER/FGH	2	
15-18	369-61016-0	GROMMET 29-3	1	
15-19	345-67161-0	GROMMET 22-3	1	
15-20	345-67117-0	GROMMET 17-2.7	1	
15-21	345-67183-0	AIR INTAKE BAFFLE	1	
15-22	9101F4-0625	BOLT	2	
15-23	940103-0600	WASHER	4	
15-24	398-06830-0	STOP SWITCH ASSY	1	
15-25	353-06821-0	* STOP SWITCH LANYARD ASSY	1	
15-26	336-06973-0	CLAMP 6-9.5L	1	
15-27	R-Z-RA099-01	*COWLING STRAP ASSY	2	
15-28	R-DAO40	FUEL DONGLE, ADAPTER	1	W/BRASS NUT
15-29	R-L8599-3	FUEL DONGLE	1	
15-30	910103-0612	BOLT	1	
15-31	R-11305	PRIMER	1	
15-32	348-63061-0	THROTTLE SHAFT	1	
15-33	345-63063-0	THROTTLE SHAFT SUPPORT	2	
15-34	9101F4-0630	BOLT	2	
15-35	940103-0600	WASHER	2	
15-36	3B2-70260-1	FUEL CONNECTOR (MALE)	1	
15-37	332-70261-0	NUT 10-P1.25	1	
15-38	336-70112-0	GASKET 10.2-16-0.5	1	
15-39	R-1795152	START SWITCH	1	
15-40	R-SSC4050	COVER/START SWITCH	1	
15-41	R-AH10217-40	REAR CARRY/GRAB RAIL	1	
15-42	R-91287A165	POWER HEAD BOLT	4	
15-43	3P0-66233-0	WASHER 8.1-1.6-1.5	4	
15-44	R-8M0032846	*RETAINER BRASS	1	OPT APEX GLOBAL
15-45	R-8M0092850	*LANYARD CORD ASSEMBLY	1	OPT APEX GLOBAL

*Assembly

** Modified

Shifter (Fig. 16)



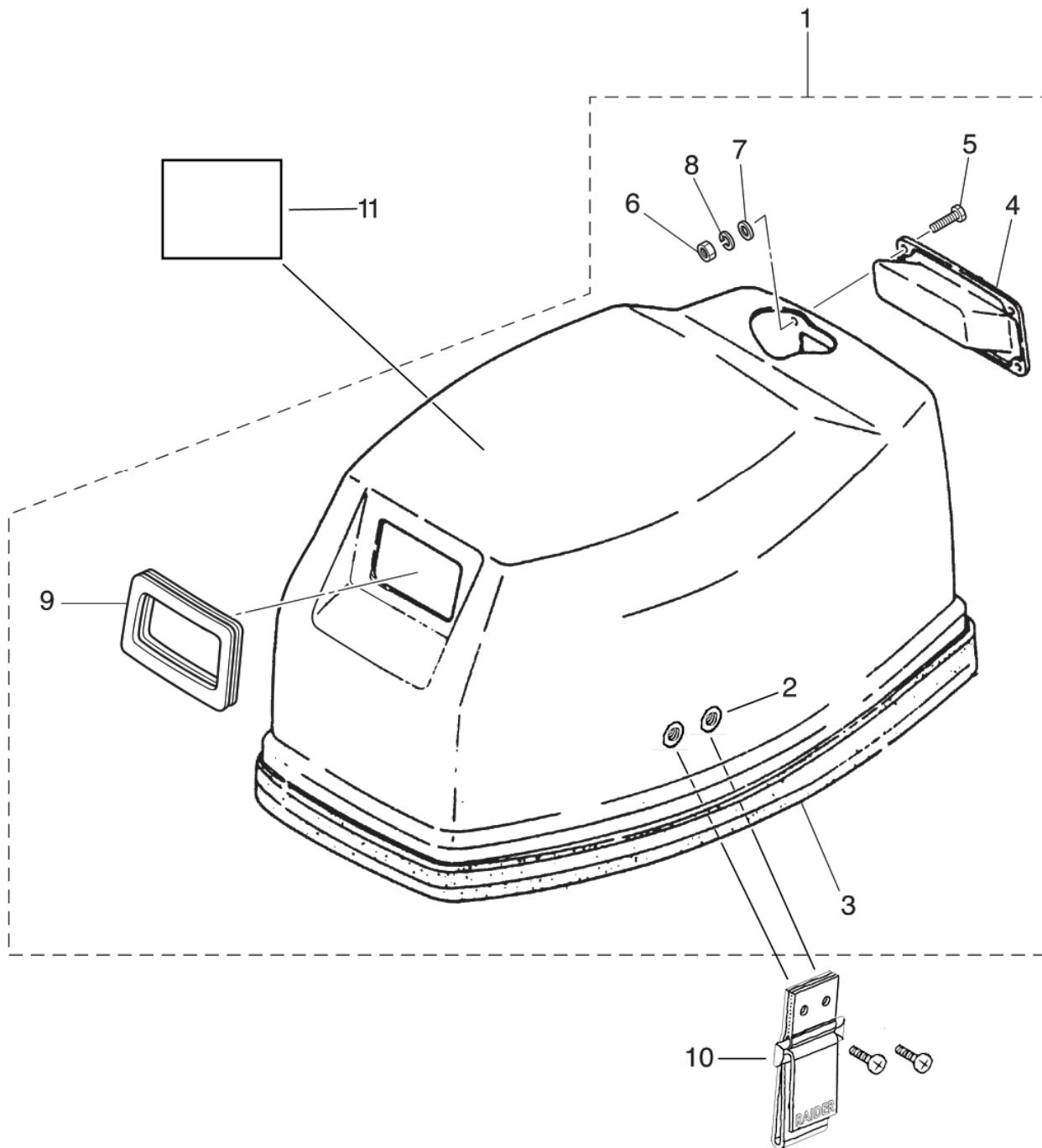
Shifter

Ref. No.	Part No.	Description	Qty	Remarks
16-1	345Q66110-3	**SHIFT LEVER	1	
16-2	345-66137-0	OIL SEAL 10-20-4	1	
16-3	345-67101-0	BUSHING 10-12.8-42.5	1	
16-4	945303-0800	E-RING d=8	1	
16-5	332-61315-0	WASHER 10.5-18-1.5	1	
16-6	345-66225-0	SHIFT ROD LEVER	1	
16-7	930403-1000	NYLON NUT 10-P1.5	1	
16-8	345-66121-0	SHIFT LEVER STOPPER	1	
16-9	910903-6512	BOLT	2	
16-10	345-66115-0	SHIFT LEVER STOP HOLDER	1	
16-11	345-66119-0	SHIM t=0.2	A	
16-12	965002-1605	STEEL BALL 5/16	1	
16-13	332-66112-0	SPRING	1	
16-14	9101F4-0618	BOLT	2	
16-15	940113-0600	WASHER	2	
16-16	348-66211-0	SHIFT ROD	1	
16-17	332-66021-0	O-RING 2.4-5.8	1	
16-18	R-SLB40	SHIFTER LOCKING BRACKET	1	
16-19	R-94355A553	LONG FLAT TOP SET SCREW	1	
16-20	R-929949A832	LONG BUTTON HEAD HEX SCREW	1	1/4-20, 1/4 Thread
16-21	R-97345A707	SHOULDER BOLT 1/2"	1	3/8" dia., 16 Thread
16-22	R-SR40	SHIFT ROD	1	
16-23	R-SH4050	SHIFT HANDLE	1	
16-24	R-90372A321	18-8 SS SOCKET NUT	1	10-24 Thread

*Assembly

** Modified

Top Cowl (Fig. 17)



Top Cowl

Ref. No.	Part No.	Description	Qty	Remarks
17-1	R-Q67645ASS	TOP COWL ASSY**	1	
17-2	R-SRNS-UNC	* SS 1/4 20 NUTSERT	4	
17-3	361-67501-0	* TOP COWL SEAL L=1550	1	
17-4	345Q67521-0	* TILT HANDLE	1	
17-5	921603-0516	* SCREW	4	
17-6	930103-0500	* NUT	4	
17-7	940103-0500	* WASHER	4	
17-8	941303-0500	* SPRING WASHER	4	
17-9	344-67503-0	* STARTER SEAL	1	
17-10	R-Z-RA099-01	COWLING STRAP	2	
17-11	R-RFS000002152	DEWATERING DECAL	1	

*Assembly

** Modified

Assembly • Kit Parts (Fig 18)

Lower Unit ASSY-1

Water Pump Repair Kit-2

Carburetor Repair Kit-3

Tiller Handle Kit-4

Fuel Line W/Primer-5

Emergency Field Kit-6

Field Service Maintenance Kit (RMK)-7

Deployment Cycle Loadout/Sustainment Package (3-5 Motors)-8

Ref. No.	Part No.	Description	Qty	Remarks
18-1	361Q87302-1	LOWER UNIT ASSY (L)	1	
18-2	361-87322-0	WATER PUMP REPAIR KIT	1	
18-2-1	9101E3-5652	* BOLT	4	W/Washer
18-2-2	348-65011-0	* PUMP CASE LINER	1	
18-2-3	332-65022-0	* KEY	1	Pump Impeller
18-2-4	345-65021-0	* WATER PUMP IMPELLER	1	
18-2-5	348-65025-0	* WATER PUMP GUIDE PLATE	1	
18-2-6	348-65029-1	* GUIDE PLATE GASKET	1	
18-2-7	348-65018-0	* PUMP CASE GASKET	1	
18-3	345-87122-4	CARBURETOR REPAIR KIT	1	
18-3-1	345-02011-3	* CARBURETOR GASKET	1	
18-3-2	336-03293-0	* O-RING	1	Not Used
18-3-3	336-03222-0	* FLOAT CHAMBER O-RING 1.9-64	1	
18-3-4	922503-6412	* SCREW	4	Float Chamber
18-3-5	334-03231-1	* FLOAT	1	
18-3-6	334-03232-0	* FLOAT ARM PIN	1	
18-3-7	3B7-03240-0	* FLOAT VALVE	1	
18-3-8	345-03243-0	* O-RING 1.3-5.7	1	
18-3-9	344-03244-0	* CLIP	1	
18-3-10	334-03242-0	* VALVE PIN	1	
18-3-11	346-03265-0	* STOP SCREW	1	
18-3-12	345-03266-0	* PILOT SCREW	1	
18-4	361Q63000-5	TILLER HANDLE KIT	1	
18-4-1	398Q63003-1	* TILLER HANDLE ASSY	1	
18-4-2	350-63046-0	* BUSHING 8.4-10-11	1	
18-4-3	346-63064-0	* UNIVERSAL PINION	1	
18-4-4	348-63061-0	* THROTTLE SHAFT	1	
18-4-5	345-63063-0	* THROTTLE SHAFT SUPPORT	2	
18-4-6	9101F4-0630	* BOLT	2	
18-4-7	940103-0600	* WASHER	2	
18-4-8	345-66226-0	* GROMMET 17-3	1	
18-4-9	361-83728-0	* PIN	1	
18-4-10	930103-0600	* NUT	1	
18-4-11	3AA-83719-0	* WASHER 8.5-18-1.6	1	
18-4-12	951603-0800	* SNAP PIN d=8	1	
18-4-13	940103-0800	* WASHER	1	
18-4-14	3B7-63733-0	* ROD SNAP 5-2.5	1	
18-4-15	348-63715-1	* ROD 5-75L	1	
18-4-16	346-63066-1	* COLLAR 15.9-17-9	1	
18-4-17	951403-0414	* SPRING PIN 4-14	1	
18-4-18	345-67161-0	* GROMMET 22-3	1	
18-4-19	345Q63051-0	* STEERING BRACKET	1	
18-4-20	9101E3-5825	* BOLT	2	

18-4-21	345-83732-0	* GROMMET	1	
18-4-22	345-67117-0	* GROMMET 17-2.7	1	
18-5	R-10CFLWP	FUEL LINE WITH PRIMER	1	
18-6	R-EFK40	EMERGENCY FIELD KIT	1	
18-6-1	R-4919	SPARK PLUG	2	
18-6-2	R-841150	M10 DEEP SOCKET 3/8 DR	1	
18-6-3	R-841156	M16 DEEP SOCKET 3/8 DR	1	
18-6-4	R-841153	M13 DEEP SOCKET 3/8 DR	1	
18-6-5	R-2292340	STANLEY 6 WAY SCREWDRIVER	1	
18-6-6	R-67149	CRESCENT WRENCH	1	
18-6-7	R-63818	PLIERS	1	
18-6-8	R-52735A45	3/8 HEX DRILL SOCKET	1	
18-6-9	R-5009238	PELICAN CASE 1150	1	
18-6-10	R-203561746	#5.5 STARTER CORD	7 FT	
18-6-11	R-25002	2 OZ. MARINE GREASE	1	
18-7	RMK-4050	FIELD SERVICE MAINTENANCE KIT	1	
18-7-1	LTA2428	3/4-7/8 COMBO SLIM WRENCH	1	
18-7-2	OXI8B	1/4 MIDGET COMBO WRENCH	1	
18-7-3	AWBMCG1602	2MM T HANDLE	1	
18-7-4	009-44605	12 INCH ADJUSTABLE WRENCH	1	
18-7-5	OX19B	9/32 MIDGET COMBO WRENCH	1	
18-7-6	SOEXM8	8 MM COMBO WRENCH	1	
18-7-7	SOEX18	9/16 COMBO WRENCH	1	
18-7-8	AWBCG1608	1/8 INCH T HANDLE	1	
18-7-9	AWBCG1610	5/32 INCH T HANDLE	1	
18-7-10	AWBCG1612	3/16 INCH T HANDLE	1	
18-7-11	SOEXM10	10MM COMBO WRENCH	1	
18-7-12	OEX090B	9/32 COMBO WRENCH	1	
18-7-13	SOEXM13	13 MM COMBO WRENCH	1	
18-7-14	AWBCG1616	1/4 INCH T HANDLE	1	
18-7-15	AWBCG1606	3/32 INCH T HANDLE	1	
18-7-16	SOEXM17	17 MM COMBO WRENCH	1	
18-7-17	SOEXM14	14 MM COMBO WRENCH	1	
18-7-18	A2A	3/8 DRIVE 1/2" ADAPTER	1	
18-7-19	FS301	3/8 DRIVE 15/16 SHALLOW SOCKET	1	
18-7-20	TWM27	1/2 DRIVE 27MM SHALLOW SOCKET	1	
18-7-21	TMXK4	1/4 DRIVE 4 INCH EXTENTION	1	
18-7-22	FSM211	3/8 DRIVE 21 MM SHALLOW SOCKET	1	
18-7-23	TMM8	1/4 DRIVE 8MM SHALLOW SOCKET	1	
18-7-24	TMM13	1/4 DRIVE 13MM SHALLOW SOCKET	1	
18-7-25	TMM10	1/4 DRIVE 10 MM SHALLOW SOCKET	1	
18-7-26	S9706KA	3/8 DRIVE 5/8 SPARK PLUG SOCKET	1	
18-7-27	FSM81	3/8 DRIVE 8MM SHALLOW SOCKET	1	
18-7-28	FSM101	3/8 DRIVE 10 MM SHALLOW SOCKET	1	
18-7-29	FSM131	3/8 DRIVE 13 MM SHALLOW SOCKET	1	
18-7-30	BLPLM3813	3/8 DRIVE 13MM DEEPWELL SOCKET	1	MODIFIED
18-7-31	FSM221	3/8 DRIVE 22MM SHALLOW SOCKET	1	

18-7-32	FXK3	3/8 DRIVE 3 INCH BALL EXTENETION	1	
18-7-33	SPBS18AR	18 INCH PRY BAR RED	1	
18-7-34	YA105	SEAL PULLER	1	
18-7-35	FHBB18A	3/8 DRIVE EXTRA LONG 17.5 BREAKER BAR	1	
18-7-36	PPR708BK	ROLL PIN PUNCH KIT	1	OTIKER CLAMP
18-7-37	ASTCP2015	FUEL HOSE CLAMP CRIMPERS	1	
18-7-38	97ACF	8-INCH-LONG NOSE PLIERS	1	
18-7-39	KNX7401250	KNIPEX 10 INCH STRAIGHT SIDE CUTTERS	1	
18-7-40	T72	1/4 DRIVE 72 TOOTH RATCHET	1	
18-7-41	F80	3/8 DRIVE 80 TOOTH RATCHET	1	
18-7-42	SSDMR4BR	8-3/4 RATCHETING MAGNETIC SCREWDRIVER	1	
18-7-43	PWCSS7ACF	7 INCH WIRE STRIPPERS/CRIMPERS/CUTTERS	1	
18-7-44	25136	PRESSURE/VACCUM TESTER	1	
18-7-45	HBFE32	32 OZ SOFT DEADBLOW	1	
18-7-46	IM2875-00000	PELICAN CASE	1	
18-7-47	20250	COMPRESSION GAUGE KIT	1	
18-7-48	MM400	KLIEN DIGITAL MULTI-METER	1	
18-7-49	8M0072133	QUIKSILVER HAND GEAR LUBE PUMP	1	
18-7-50	552855515	MOTOR FLUSHER	1	
18-7-51	ESP328	HAND HELD TACHOMETER	1	
18-7-52	27187	FLYWHEEL PULLER	1	
18-7-53		8MM-1/4 ID HOSE FITTING ADAPTER	1	
18-7-54	RFH4050	RAIDER FLYWHEEL HOLDER	1	
18-7-55	AC664	AUTOCRAFT SPARK TESTER	1	
18-7-56	FX1	3/8 DRIVE 1 1/2 FRICTION BALL EXTENSION	1	
18-8-1	R-40SRPK	DEPLOYMENT CYCLE LOADOUT		SUSTAINMENT FOR 3-5 MOTORS
18-8-2	345-01005-1	CYLINDER HEAD GASKET	3	
18-8-3	R-SBE110	SPARK PLUG	6	
18-8-4	345-01030-0	THERMOSTAT	3	
18-8-5	R-RTG40	THERMOSTAT CAP GASKET	3	
18-8-6	345-02305-1	EXHAUST COVER GASKET	3	
18-8-7	345-05223-1	ROD SNAP 3.5-2	6	
18-8-9	345-05224-0	ROD SNAP 5-2.5	6	
18-8-10	345-02104-0	INTAKE MANIFOLD GASKET "A"	3	
18-8-11	345-02105-0	INTAKE MANIFOLD GASKET "B"	3	
18-8-12	345-02100-1	REED VALVE ASSY	4	
18-8-13	45-02103-0	REED VALVE SEAT GASKET	6	
18-8-14	R-HFG40	HEAVY FUEL PLATE GASKET	3	
18-8-15	345-02011-3	CARBURETOR GASKET	3	
18-8-16	R-54605K32-TF2C/8	HOSE, FUEL LINE	3	1/4-8" T-Fitting to Carburetor
18-8-17	R-54605K32-TF2HFE/6.5	HOSE, FUEL LINE	3	1/4 6.5" T-Fitting to HF Elbow
18-8-18	R-54605K32-LC2FF/17	HOSE, FUEL LINE	3	1/4 17" Lower Cowling to Fuel Filter
18-8-19	R-54605K32-TF2FPO/5	HOSE, FUEL LINE	3	1/4 5" T-Fitting to Fuel Pump Out
18-8-20	R-54605K32-FFO2FPI/15	HOSE, FUEL LINE	3	1/4 15" Fuel Filter Out to Fuel Pump In
18-8-21	R-CEL-65432-TF2FC/8	HOSE, FUEL LINE	3	1/8 T-Fitting to Float Chamber 8"

18-8-22	R-CEL-65432-TF2DV/4	HOSE, FUEL LINE	3	1/8 T-Fitting to Dewatering Valve 4"
18-8-23	R-CEL-65432-HFB2HFP/6	HOSE, FUEL LINE	3	1/8 HF Block to HF Plate 6"
18-8-23	R-CEL-65432-HFB2P/14	HOSE, FUEL LINE	3	1/8 HF Block to Primer
18-8-24	R-CEL-65432-TF2P/4	HOSE, FUEL LINE	3	1/8 TF to Primer 4"
18-8-25	R-5435K13	OETIKER CLAMP 13.3	30	
18-8-26	R-112-51905	1/8 FUEL LINE RETENTION BAND	1	QTY 100
18-8-27	345-87122-4	CARBURETOR REPAIR KIT	3	
18-8-28	361-05000-1	RECOIL STARTER ASSY	2	
18-8-29	361-06091-0	FLYWHEEL W/GEAR	1	
18-8-30	3A0-06002-0	COIL PLATE ASSY W/ALTERNATOR	3	
18-8-31	334-00131-0	KEY	3	
18-8-32	931121-1600	NUT	3	
18-8-33	345-00133-0	WASHER 16-28-3.2	3	
18-8-34	R-3C1-06048-0	**IGNITION COIL ASSY	3	
18-8-35	361-06060-1	CD UNIT	1	
18-8-36	398-06830-0	*STOP SWITCH LANYARD ASSY	3	
18-8-37	R-RL-HM026	TACHOMETER	3	
18-8-38	R-193-5114	RECTIFIER	3	
18-8-39	346-76040-0	STARTER SOLENOID	3	
18-8-40	R-LH40	LOAD HARNESS	2	
18-8-41	R-82115	FUSE 20A	10	
18-8-42	346-76010-0	STARTER MOTOR ASSY**	3	
18-8-43	R-1795152	START SWITCH	3	
18-8-44	R-1795152	START SWITCH	2	
18-8-45	R-PBT50	BATTERY TRAY	3	
18-8-46	R-3955T282	STRAP/BATTERY TRAY	5	
18-8-47	R-RRDV-1	DEWATERING VALVE (DV)	3	
18-8-48	R-3642	DECOMPRESSION VALVE	4	
18-8-49	R-3074	WATER JACKET GASKET	3	
18-8-50	361Q60000-0	GEAR CASE ASSY	1	
18-8-51	332-60005-2	OIL FILL/DRAIN PLUG 8-8	4	
18-8-52	332-60006-0	OIL FILL/DRAIN GASKET 8.1-15-1	20	
18-8-53	361-87322-0	WATER PUMP REPAIR KIT	5	
18-8-54	348-65016-1	PUMP CASE (UPPER)	3	
18-8-55	348-65017-1	PUMP CASE (LOWER)	3	
18-8-56	345-65015-0	O-RING 3.2-47	3	
18-8-57	3B7-65014-0	WATER PIPE SEAL (LOWER)	3	
18-8-58	951403-0312	SPRING PIN 3-12	10	
18-8-59	345-60206-1	WATER STRAINER	4	
18-8-60	921503-0440	WATER STRAINER, SCREW	2	
18-8-61	930403-0400	WATER STRAINER, NYLON NUT 4-P0.7	2	
18-8-62	348-60217-0	TRIM TAB	3	
18-8-63	345Q60100-0	PROPELLER SHAFT HOUSING ASSY	1	
18-8-64	345-60103-0	O-RING 3.5-69.4	5	
18-8-65	361-87326-0	PROPELLER HARDWARE KIT	2	
18-8-66	951503-0325	SPLIT PIN 3-25	10	
18-8-67	3T5B645230	PROPELLER ASSY (11")	3	
18-8-68	346-62127-0	CAP NUT	6	
18-8-69	345-62121-1	THRUST ROD	3	
18-8-70	345-62122-2	THRUST ROD SPRING	3	

18-8-71	3AL-66333-0	REVERSE LOCK LEVER GRIP	3	
18-8-72	346-66334-0	STOPPER	3	
18-8-73	R-3R5-62106-0	CLAMP SCREW HANDLE	4	
18-8-74	398Q63003-1	TILLER HANDLE ASSY	1	
18-8-75	R-11305	PRIMER	3	
18-8-76	R-L8599-3	FUEL DONGLE	3	
18-8-77	R-Z-RA099-01	COWLING STRAP ASSY	6	
18-8-78	R-SR40	SHIFT ROD	3	Shifter
18-8-79	R-SLB40	SHIFTER LOCKING BRACKET	3	Shifter
18-8-80	R-94355A553	LONG FLAT TOP SET SCREW	3	Shifter
18-8-81	R-929949A832	LONG BUTTON HEAD HEX SCREW	3	Shifter
18-8-82	965002-1605	STEEL BALL 5/16	3	Shifter
18-8-83	332-66112-0	SPRING	3	Shifter
18-8-84	R-RFS000002152	DEWATERING DECAL	3	
18-8-85	344-67503-0	STARTER SEAL	3	
18-8-86	R-10CFLWP	FUEL LINE WITH PRIMER	3	
18-8-87	356-04000-1	FUEL PUMP ASSY	3	
18-8-88	346-02230-0	FUEL FILTER ASSY	3	

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