EVINRUDE						
SERVICE						
MANU	AL					
1975						
	GENERAL SERVICE INFORMATION					
	FUEL SYSTEM					
	IGNITION SYSTEM					
	POWER HEAD 5					
	LOWER UNIT 6					
40 HP MODELS	ELECTRICAL SYSTEM					
40504 40505 40554 40555	MANUAL STARTER 8					

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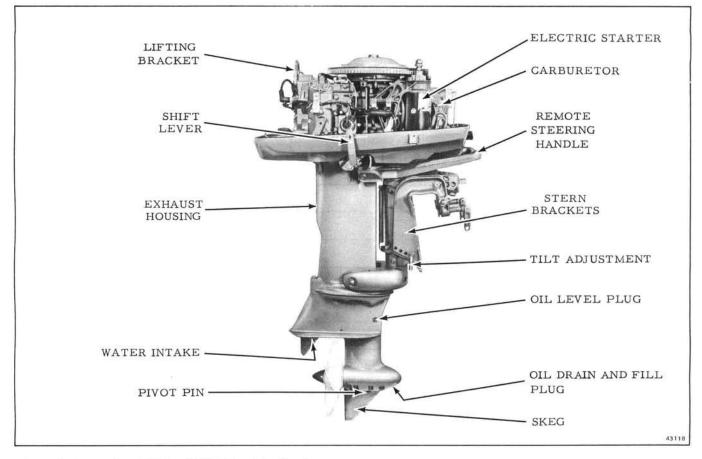


Figure 1-1. Starboard Side, 40 HP Electric Start

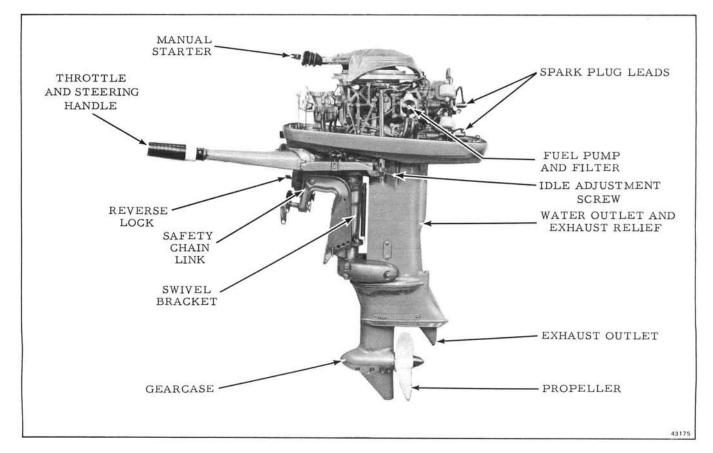


Figure 1-2. Port Side, 40 HP Manual Start

SPECIFICATIONS

Model Numbers 40502 - Standard length (15" transom) 40503 - 5" longer (20" transom) 40552 - Standard length (15" transom) 40553 - 5" longer (20" transom) NOTE: The recommended full power operating		options 31		3 bla pito	ade, 10-3/4" dia. x 11" pitch ade, 10-3/8" dia. x 11-1/2" tch ade, 10-1/2" dia. x 12" pitch				
range for your outboard motor is from 4000 - 5000 R.P.M. In order to get the best performance from your outboard the upper end of this range, from 4500 - 5000 R.P.M., is the engine speed to use in selecting the proper propeller. The R.P.M. should be measured with your expected average load in the		Speed control C			On steering handle - Manual Start. Knob on steering bracket or remote control - Electric Start. Synchronized throttle and spark				
boat.		Gear shift control		Forw	Forward, neutral, and reverse				
Horsepower (B.I.A. certified) 40 hp at 4500 rpm Full throttle operating range 4000 to 5000 rpm Tank test with test wheel 4500 rpm Part Number 378566 Engine type 2 cyl., 2 cycle, alternate firing Bore and stroke 3-3/16" bore x 2-3/4" stroke Piston displacement 43.9 cubic inches			fuel tank) Mode Mode Mode			lel 40502 - 128 lbs. lel 40503 - 131 lbs. lel 40552 - 137 lbs. lel 40553 - 140 lbs. uel tank weight 11 pounds net)			
					llons				
Piston ring sets (2) standard .030" oversize			Electrical system 5 am (Electric start models only)			np flywheel alternator			
Diameter of ring	3.1875 in. (standard)	Starter			Manual - Self-winding				
Width of ring	Upper09000895 in. Lower06150625 in.					c - 12 volt, Key start and gency rope			
Lbs. compression recommended	Upper - 1.0 to 3.0 lbs. Lower - 4 to 8 lbs.	Starter amperage draw while cranking 120 AMPS Max.							
when compressed		Ignition		Low tension magneto					
Piston less rings standard	Part Number 384692	Spark plug Char			mpion L4J, 14mm				
.030" oversize	Part Number 384692 Part Number 384715	1) inch				
Crankshaft size						/2 - 20-1/2 foot-pounds			
Top journal Center journal Bottom journal	$\begin{array}{r} 1.4979 \ - \ 1.4974 \\ 1.3752 \ - \ 1.3748 \\ 1.1815 \ - \ 1.1810 \end{array}$			277	o .020 inch rt Number 581419				
Connecting rod	1.1828 - 1.1823 in.	Capacity		.25 - 29 Mfd.					
crank pin		the second se			art No. 581370				
Carburetion	Single barrel, float feed, fixed high speed adjustable low-								
High speed orifice	speed, manual or electric choke Part Number 319534 Identification Number 67D	New Stevens Tester Model No. M.A75 or M.A80 with M.A14 Adapter in Series with High Tension Lead							
plug	Check with #51 drill	Switch		Index Adjustment					
Float level setting	Flush with rim of casting	В			25				
Inlet needle seat	.065062	Merc-O-Tronic with 55-980 CDA Adapter							
Capling	Use #52 drill as gage	Operating Amperage		Resistance Secondary Continu Max. Min. Max.					
Cooling system	Centri-matic (combination positive displacement and	1.7	0.8	3 - 1.2		60 - 70			
	centrifugal pump)	Graham Tester Model							
Propeller gear ratio	12:21	Maximum Secondary		mum nary	Coil Index	Minimum Coil Test	Gap Index		
Propeller drive	Part Number 304757, 1/4" x	20,000 ohms 14.0 ohms 50 24 45			45				
pin	1-15/32" stainless steel	COIL OHMMETER TEST							
Propeller supplied 3 blade, 10-1/2" dia. x 13" pitch		Primary (Low Ohms) Secondary (High Ohms)							
with motor	1.35 ± .3 13500 ± 1500								

*Horsepower established at sea level. Allow 2% reduction per 1000' above sea level.