

SECTION I—INTRODUCTION

This service manual covers the repair and disassembly of all 20 H.P. outboard motors manufactured by Chrysler Outboard Corporation, Hartford, Wisconsin.

The following publications should be used to supplement the information contained in this manual:

SERVICE MANUAL SUPPLEMENT—(Part Number OB979S) Refer to this publication for test and

repair of the starter-generator on Autoelectric models.

PARTS MANUAL—Refer to the parts manual for the specific model being worked on for a parts breakdown and description.

OWNERS MANUAL—This manual covers general operating instructions, lubrication requirements and maintenance procedures.

SECTION II—ENGINE SPECIFICATIONS

Horsepower, BIA Rated @	5000 R.P.M.
Recommended Operating Range	4500–5500 R.P.M.
Engine—Two Cycle	Two Cylinder—Alternate Firing
Bore and Stroke	2 $\frac{7}{16}$ " × 2.14"
Cubic Inch Displacement	19.66 Cu. In.
Cooling	Water Cooled—Displacement Type Water Pump
Propeller—Standard	Aluminum Alloy, 8 $\frac{1}{2}$ " Dia., 8 $\frac{1}{2}$ " Pitch, Right Hand Rotation, Spline Drive, Two Blade
Spark Plug Type	Champion L4J
Spark Plug Gap	.030"
Breaker Point Gap	.020"
Compression—Average P.S.I.	115–125 P.S.I.
*Oil Ratio per Gallon of Gas BREAK-IN	$\frac{1}{3}$ PINT
Oil Ratio per Gallon of Gas AFTER BREAK-IN	$\frac{1}{6}$ PINT
Transom Height	15" or 20"

* IMPORTANT

When pistons, piston rings, piston pins, connecting rods, connecting rod bearings, crankshaft or crankshaft bearings are replaced, the break-in oil ratio and procedure for new engines must be used. Refer to the appropriate Owners Guide for details.