

INTRODUCTION

This service manual covers the repair and disassembly of the 80 H.P. outboard motor, models 80161, 80162, 80163, 80164, 80165, 80353, 80361, 80362, 80363, 80461, 80462, 80471, 80472, 80491, 80561, 80571, 80572, VWB-190961, VWB-19097A and 571.598021.

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

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

PARTS BOOK—This book gives a complete parts breakdown of the engine components. Refer to the parts book for the specific model being worked on.

TROUBLE SHOOTING WITH 12 VOLT TEST LIGHT—This book provides a thorough, efficient procedure to be followed for trouble-shooting the electrical system with a single, inexpensive tool.

If problems are encountered which are not specifically covered in this manual, further information can be obtained by writing to The West Bend Company, Field Service Department, Hartford, Wisconsin.

A trouble check list has been provided below to assist in diagnosing engine problems and to aid in locating the section of the manual which pertains specifically to the problem. To use the check list, read down the left hand column and locate the problems which most closely resembles that which has been found in the engine to be repaired. Then, proceed according to the instructions given in the right hand column.

TROUBLE CHECK LIST

Probable Cause	Problem
Remote Control Does Not Function Correctly	<ol style="list-style-type: none">1. Check the Remote Control Adjustments and Installation as outlined in Sec. 7.2. Check the Gear Shift Rod Adjustment as outlined in Sec. 7.3. Check Synchronization of Controls as covered in Sec. 7.4. Adjust Throttle Stop as outlined in Sec. 7.
Engine Does Not Shift Properly	<ol style="list-style-type: none">1. Check the Gear Shift Rod Adjustment as outlined in Sec. 7.2. Check the Remote Control Adjustments and Installation as outlined in Sec. 7.
Engine Does Not Idle Properly	<ol style="list-style-type: none">1. Adjust the Carburetor Idle Adjustment Needles as covered in Sec. 3.2. Adjust Throttle Stop as outlined in Sec. 7.3. Check Synchronization of Controls as covered in Sec. 7.
Engine Does Not Obtain Full Throttle	<ol style="list-style-type: none">1. Check Remote Control Adjustment and Installation as outlined in Sec. 7.2. Check Synchronization of Controls as covered in Sec. 7.
Electric Starter Inoperative	<ol style="list-style-type: none">1. Perform Starter Circuit Check as outlined in Sec. 2.2. Check Neutral Interlock Switch. See Sec. 2.3. Check Remote Electric Cable Installation as covered in OB 393.