



SERVICE MANUAL

2 HP

model J2RCS

INTRODUCTION

GENERAL
SERVICE
INFORMATION

FUEL
SYSTEM

IGNITION
SYSTEM

POWERHEAD

LOWER
UNIT

MANUAL
STARTER

1

2

3

4

5

6

7



IN THE SEA-HORSE TRADITION

SAFETY WARNING

This book tells you how to take care of and fix an outboard motor and its accessories the **RIGHT WAY**. When taken care of the **RIGHT WAY**, the motor and its accessories will be most reliable **AND** safe to use.

When special tools are called for . . . use them. Special tools are a **MUST** to do the job right.

This book will alert you to certain things you should do very carefully. If you don't, you could . . .

- Hurt yourself, passengers, or bystanders
- Hurt boat operator, passengers, or bystanders
- Damage the motor or its accessories.

This symbol  will appear next to information which may help keep you and others from being hurt.

This symbol  will appear next to any information which will help keep the motor or its accessories from being damaged.

If you use service procedures or tools that are not recommended by OMC, **YOU ALONE** must decide if your actions may hurt people or damage the motor or accessories.

TABLE OF CONTENTS

All information, illustrations and specifications contained in this manual are based on the latest product information available at the time of printing. The right is reserved to make changes at any time without notice.

	PAGE
SECTION 1 INTRODUCTION	1-1
Arrangement of Manual	1-2
Parts Catalog	1-2
Service Policy	1-2
Replacement Parts and Product References	1-2
Special Service Tools	1-3
Outboard Motor Nomenclature	1-3
SECTION 2 GENERAL SERVICE INFORMATION	2-1
Specifications	2-2
Coil Test Specifications	2-2
Clearance Chart	2-3
Torque Chart	2-3
Lubrication Chart	2-4
Gearcase Lubrication	2-4
Lubrication Points	2-5
Engine Fuel and Lubricant	2-6
Break-In	2-7
Tune-Up Procedure	2-8
Trouble Check Chart	2-9
Submerged Motors	2-10
SECTION 3 FUEL SYSTEM	3-1
Description	3-2
Theory of Operation	3-2
Removal of Fuel Tank, Carburetor and Intake Manifold	3-3
Carburetor Disassembly	3-3
Cleaning, Inspection and Repair	3-4
Carburetor Reassembly	3-6
Reassembly of Leaf Valves, Intake Manifold, Fuel Tank and Carburetor to Motor	3-7
Carburetor Adjustments	3-7
SECTION 4 IGNITION SYSTEM	4-1
Description	4-2
Theory of Operation	4-2
Removal of Magneto from Powerhead	4-3
Magneto Disassembly	4-3
Cleaning, Inspection and Repair	4-4
Testing Coil, Condenser and Breaker Points	4-5
Magneto Reassembly	4-6
Reassembly of Magneto to Motor	4-7
Breaker Point Adjustment	4-7
SECTION 5 POWERHEAD	5-1
Description	5-2
Theory of Operation	5-2
Checking Motor Temperature	5-3
Removal of Powerhead	5-3
Disassembly of Powerhead	5-3
Cleaning, Inspection and Repair	5-4
Reassembly of Powerhead	5-6
Reassembly of Powerhead to Exhaust Housing	5-8
Break-In	5-8