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› YamahaMarine Y.D.S. Marine Diagnostic Kit for Outboard Engines & PWC - User Manual

POWERSPORTS DIAGNOSTICS 60V-WS850-00-00

YamahaMarine Y.D.S. Marine Diagnostic Kit User Manual

Model: 60V-WS850-00-00 | Brand: POWERSPORTS DIAGNOSTICS

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the proper setup, operation, and maintenance of your YamahaMarine Y.D.S. Marine Diagnostic Kit. This comprehensive diagnostic tool is designed for Yamaha Outboard engines and Personal Watercraft (PWC), offering full functionality for both independent enthusiasts and professional marine repair shops.

The kit enables users to perform in-depth engine diagnostics, including reading fault codes, testing engine components, and conducting real-time analyses without requiring dealer-specific access. It is an ideal solution for home mechanics seeking to understand and maintain their Yamaha marine engines.



**PERFECT FOR INDEPENDENT
POWERSPORTS WORKSHOP
OR DIY HOME MECHANICS**

This diagnostic kit for Yamaha
Outboard Engines is super
easy to use, making it an ideal
choice for home &
professional mechanics!

2. WHAT'S IN THE BOX

Your YamahaMarine Y.D.S. Marine Diagnostic Kit package should contain the following items:

- Yamaha Marine diagnostic device
- Yamaha Marine diagnostic software (on a flash drive)
- USB cables for connection
- User Manual (this document)



Image: The YDS Diagnostic device, a key component of the kit.

YAMAHA MARINE DIAGNOSTIC KIT



Professionally Designed Diagnostic Kit
to Help You Test and Analyze Yamaha Outboard Engines

Image: Professionally designed diagnostic kit components.

3. SETUP INSTRUCTIONS

Follow these steps to set up your diagnostic kit:

1. **Software Installation:** Insert the provided flash drive into your computer. The software is compatible with Windows operating systems. Follow the on-screen instructions to install the Yamaha Marine diagnostic software.
2. **Software License Activation:** This diagnostic kit includes a single-use software license. Upon activation, this license is permanently tied to your engine or vehicle data. It cannot be transferred or reused, and the kit becomes non-returnable after activation in accordance with licensing terms. Ensure compatibility before activation.
3. **Connect the Device:** Connect the YDS Diagnostic device to your computer using the provided USB cable.
4. **Connect to Engine:** Connect the diagnostic device to your Yamaha outboard engine or PWC using the appropriate diagnostic cable. Refer to your engine's service manual for the exact location of the diagnostic port.
5. **Launch Software:** Once the device is connected and recognized by your computer, launch the Yamaha Marine diagnostic software.

4. OPERATING INSTRUCTIONS

The Yamaha Marine diagnostic software allows you to interact with your engine's Engine Control Unit (ECU) and Engine Management Module (EMM) to retrieve and analyze critical data.

Key Functions:

- **Read and Reset Fault Codes:** Access and clear diagnostic trouble codes (DTCs) to identify and resolve engine issues.
- **Real-time Data Analysis:** Monitor engine parameters such as RPM, temperature, voltage, and sensor readings in real-time.
- **Component Testing:** Perform tests on various engine components, including electric fuel pump operation, injectors, and high-voltage coils.

- **Engine Parameter Settings:** Adjust certain engine operating parameters as needed.
- **EMM Module Identification:** Read the identification information of the EMM module.
- **Injector Management:** Read serial numbers of injectors and facilitate injector replacement and data file updates.
- **Reporting:** Generate and print or export diagnostic data to PDF files for record-keeping and further analysis.



YAMAHA DIAGNOSTICS SOFTWARE PROGRAM

This software program communicates with the **Engine Control Unit ("ECU")** and the **Engine Management Module ("EMM")** of Yamaha engines and is used for:

- Retrieving engine diagnostic information.
- Setting engine operating parameters.
- Performing engine maintenance.
- Printing engine reports.



Image: The Yamaha Diagnostics Software Program communicates with the engine's control units.

PERFORMS OVER 12 TESTS AND ANALYSES



Read and reset fault code(s).

Tests electric fuel pump operation.

Generate engine operation graphics.

Read TPS temperature and voltage

Print or export diagnostic data to PDF files, and more

Image: The diagnostic kit performs over 12 tests and analyses.

Compatibility:

This diagnostic kit offers wide compatibility, supporting models made until the year 2017. It is compatible with:

- All Yamaha EFI 4-Stroke outboard models
- All Yamaha HPDI OUTBOARD MODELS
- JET-SKI MODELS
- JET-BOAT MODELS
- All Mercury Marine 75, 90, 115 and 225 EFI 4-Stroke manufactured by Yamaha

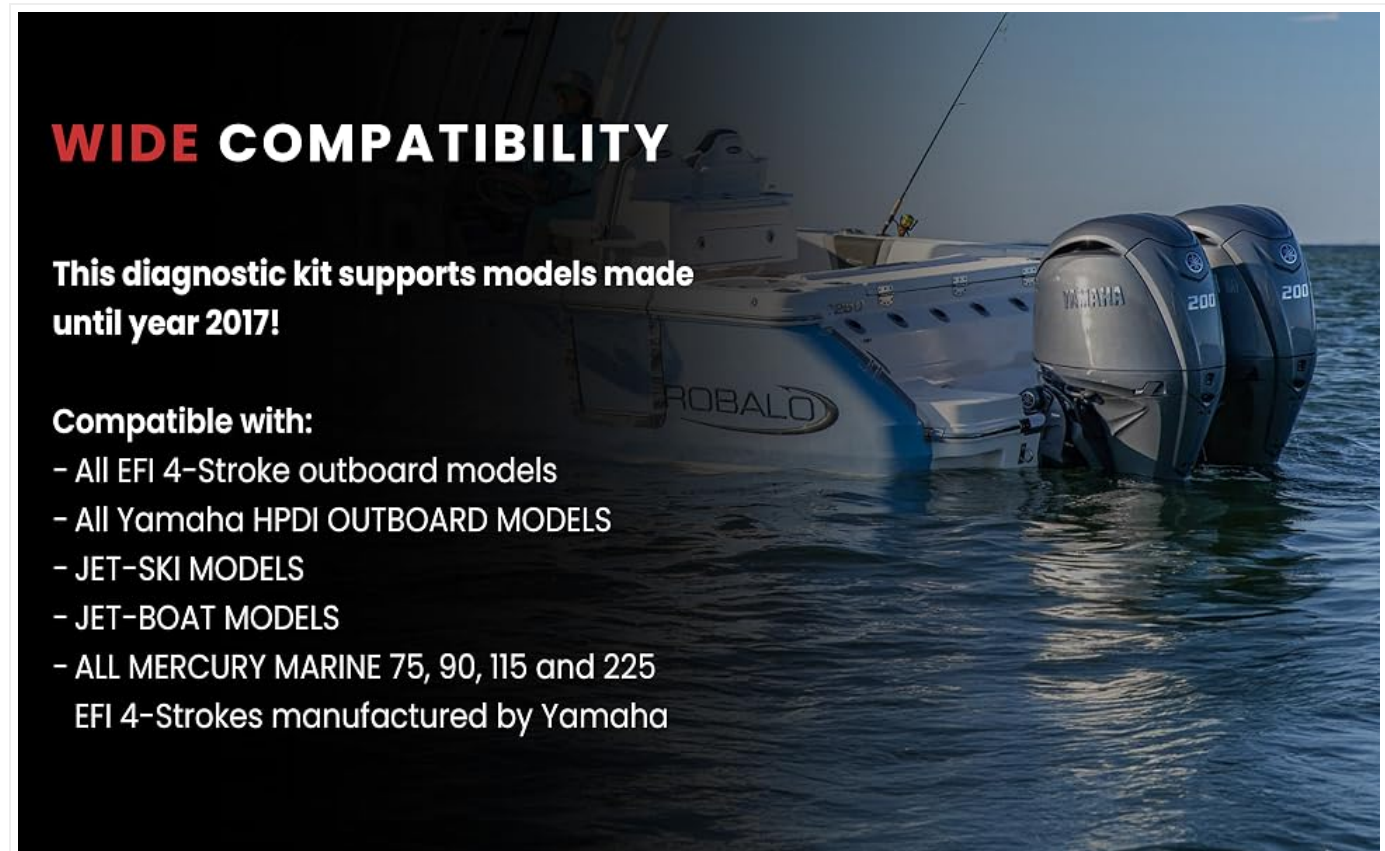


Image: The diagnostic kit offers wide compatibility with various Yamaha marine models.

5. MAINTENANCE

To ensure the longevity and optimal performance of your YamahaMarine Y.D.S. Marine Diagnostic Kit, follow these general maintenance guidelines:

- **Storage:** Store the device and cables in a clean, dry environment, away from extreme temperatures and direct sunlight.
- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using harsh chemicals or abrasive materials that could damage the casing or electronic components.
- **Cable Care:** Do not bend or crimp the cables excessively. Store them neatly to prevent tangling and damage.
- **Software Updates:** Regularly check for and install software updates to ensure you have the latest diagnostic capabilities and compatibility. Lifetime access to software updates is provided.

6. TROUBLESHOOTING

If you encounter issues with your diagnostic kit, consider the following troubleshooting steps:

- **Connection Issues:** Ensure all cables (USB to computer, diagnostic cable to engine) are securely connected. Try a different USB port on your computer.

- **Software Not Launching/Recognizing Device:** Verify that the software installation was successful. Restart your computer and try launching the software again. Check device drivers if applicable.
- **Engine Communication Failure:** Confirm that your engine model is within the supported compatibility range (up to 2017 for most models). Ensure the engine's ignition is on (if required for diagnostics).
- **Software Activation Problems:** If you experience issues with software activation, refer to the licensing terms or contact technical support. Remember the single-use license is tied to the first activated engine.

If these steps do not resolve the issue, please contact customer support for further assistance.

7. SPECIFICATIONS

Feature	Detail
Brand	POWERSPORTS DIAGNOSTICS
Model	YamahaMarine Y.D.S. Marine Diagnostic kit
Item Model Number	60V-WS850-00-00
Manufacturer Part Number	60V-WS850-00-00
Item Weight	7.4 ounces
Package Dimensions	6.65 x 4.69 x 1.93 inches
Operating System	Windows
Automotive Fit Type	Vehicle Specific Fit
UPC	633710390293
First Available	October 16, 2024

8. WARRANTY AND SUPPORT

Your YamahaMarine Y.D.S. Marine Diagnostic Kit is backed by comprehensive support to ensure your satisfaction and product longevity.

- **24-Month Warranty:** The kit includes a 2-year warranty from the date of purchase, covering manufacturing defects and malfunctions under normal use.
- **Lifetime Software Updates:** You will receive lifetime access to software updates, ensuring your diagnostic tool remains current with the latest features and engine compatibility.
- **Online Workshop Manual:** Access to an online workshop manual is provided for added convenience and detailed technical information.
- **Free Technical Support:** Our dedicated team offers free technical support to assist you with successful activation, installation, and general use of the diagnostic kit. We recommend contacting support with any pre-purchase questions to ensure compatibility.

For support inquiries, please refer to the contact information provided with your product packaging or visit the official POWERSPORTS DIAGNOSTICS website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question