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› [Acouto](#) /

› Acouto 10-Pin 5m Main Wiring Harness (Model hualalab45248) - User Manual

Acouto hualalab45248

Acouto 10-Pin 5m Main Wiring Harness User Manual

Model: hualalab45248

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Acouto 10-Pin 5m Main Wiring Harness. Designed as a direct replacement, this harness ensures reliable electrical connections for compatible outboard motors. Please read this manual thoroughly before installation and use to ensure safety and optimal performance.

Main Wiring Harness for Yamaha Outboard



- **Just connect the wiring harness to the host and control box**
- **Length: Approx. 5m/16.4ft**
- **Installation Instruction: Plug and Play**

Image 1.1: The Acouto 10-Pin 5m Main Wiring Harness, coiled for packaging.

2. SAFETY INFORMATION

- Always disconnect the battery before performing any electrical work on your outboard motor or vessel.
- Ensure all connections are clean, secure, and free from corrosion.
- Use appropriate tools for installation. Avoid forcing connectors.
- Protect wiring from sharp edges, excessive heat, and moving parts.
- If you are unsure about any part of the installation process, consult a qualified marine technician.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Acouto 10-Pin 5m Main Wiring Harness

- 1 x User Manual (this document)

4. INSTALLATION AND COMPATIBILITY

4.1. Compatibility

This 10-Pin Main Wiring Harness is designed as a replacement for specific outboard motor models. The interchange part number is **6X3-8258A-00-00**. Please verify your motor's part number against this reference for proper fitment. Known compatible models include:

- 1986 Fit for 150ETLJ OPTIONAL RIGGING ACCESSORY PARTS 2
- 1986 Fit for 150ETXJ Outboard OPTIONAL RIGGING ACCESSORY PARTS 2
- 1999 Fit for F50TLRX METER 2
- 1999 Fit for T50TLRX METER 2
- 2000 Fit for F50TLRY METER 2
- 2000 Fit for T50TLRY METER 2
- For T50TLRC SWITCH PANEL
- 2005 Fit for OUTBOARD RIGGING PARTS BREAKDOWN ELECTRICAL WIRE HARNESSSES

If you are unsure about compatibility, please consult your motor's service manual or contact a qualified technician.

4.2. Installation Instructions

The Acouto Main Wiring Harness is designed for a plug-and-play installation. Follow these general steps:

1. **Preparation:** Ensure the outboard motor's battery is disconnected to prevent electrical shorts or damage.
2. **Locate Existing Harness:** Identify the main wiring harness currently connected to your outboard motor's host and control box.
3. **Disconnect Old Harness:** Carefully disconnect the old wiring harness from both the host and the control box. Note the orientation and connection points if necessary.
4. **Connect New Harness:** Connect the Acouto 10-Pin Main Wiring Harness to the corresponding ports on the host and the control box. Ensure the connectors are fully seated and locked into place.

- **Interchange Part Number: 6X3-8258A-00-00**
- **For Yamaha Part Number: 688-8258A-50-00**



Image 4.1: Detail of a 10-pin connector on the wiring harness.



Image 4.2: Detail of a different connector type on the wiring harness.



Image 4.3: Detail of a third connector type on the wiring harness.

5. **Secure Wiring:** Route the new harness carefully, ensuring it is not pinched, stretched, or exposed to excessive heat or abrasion. Use cable ties or clips to secure it in place.
6. **Reconnect Battery:** Once the harness is securely installed and routed, reconnect the battery.
7. **Test Functionality:** Turn on the ignition and test all functions controlled by the wiring harness (e.g., engine start, trim/tilt, gauges) to ensure proper operation.



Image 4.4: The wiring harness integrated into a boat's control system.

5. OPERATING INSTRUCTIONS

The Acouto Main Wiring Harness facilitates communication and power distribution between your outboard motor's components. Once correctly installed, its operation is integrated with your motor's existing control system. No specific user interaction with the harness itself is required beyond ensuring its secure connection.

- Ensure all connections remain tight and free from debris.
- Regularly inspect the harness for any signs of wear, damage, or corrosion.
- If any electrical issues arise, refer to the troubleshooting section or consult a professional.

6. MAINTENANCE

Proper maintenance extends the lifespan and ensures the reliability of your wiring harness.

- **Regular Inspection:** Periodically check the entire length of the harness for cuts, abrasions, or signs of heat damage.
- **Connector Check:** Ensure all connectors are firmly seated and free from corrosion. Apply dielectric grease to connectors if operating in a marine environment to prevent moisture ingress and corrosion.
- **Cleaning:** Keep the harness clean and free of dirt, oil, and other contaminants. Use a mild cleaner and a soft cloth if necessary.
- **Protection:** Avoid exposing the harness to direct sunlight for prolonged periods or extreme temperatures when possible. Ensure it is not subjected to undue stress or sharp bends.

7. TROUBLESHOOTING

If you experience issues after installing the wiring harness, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
No power to components	Loose or corroded connections; Blown fuse; Incorrect wiring.	Check all harness connections for tightness and corrosion. Inspect relevant fuses. Verify wiring against motor's diagram.
Intermittent electrical function	Loose connection; Damaged wire within harness; Moisture in connectors.	Secure all connections. Inspect harness for visible damage. Dry connectors and apply dielectric grease.
Specific component not working	Faulty component; Incorrect pin connection; Damaged wire to that component.	Test the component directly if possible. Re-check pin assignments. Inspect the specific wire run.

If these steps do not resolve the issue, it is recommended to seek assistance from a certified marine electrician or your outboard motor's service center.

8. SPECIFICATIONS

Feature	Detail
Item Type	Main Wiring Harness
Brand	Acouto
Model Number	hualalab45248
Interchange Part Number	6X3-8258A-00-00
Material	Polyvinyl Chloride (PVC)
Connector Type	10-Pin
Length	Approx. 5m / 16.4ft

9. WARRANTY AND SUPPORT

For information regarding product warranty or technical support, please refer to the documentation provided at the time of purchase or contact Acouto customer service directly. Ensure you have your product model number (hualalab45248) and

purchase details available when contacting support.

You can often find support information on the official Acouto website or through the retailer where the product was purchased.

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

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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