

## Sierra 18-2144

# Sierra International 18-2144 Marine Motor Mount Instruction Manual

## 1. INTRODUCTION

This manual provides essential information for the proper installation, maintenance, and troubleshooting of your Sierra International 18-2144 Marine Motor Mount. Designed for marine applications, this motor mount is engineered for reliability and performance. Please read this manual thoroughly before installation and use to ensure safe and effective operation.

## 2. SAFETY INFORMATION

Always observe the following safety precautions during installation and maintenance:

- Ensure the engine is securely supported before removing or installing motor mounts.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Refer to your engine's service manual for specific torque specifications and procedures.
- Keep hands and clothing clear of moving parts if the engine is being tested.
- Dispose of old parts and materials responsibly.

## 3. PRODUCT OVERVIEW

The Sierra International 18-2144 Marine Motor Mount is a critical component designed to absorb engine vibrations and maintain proper engine alignment within a marine vessel. It is constructed from durable rubber material to provide effective dampening.



**Figure 1:** The Sierra International 18-2144 Marine Motor Mount. This image displays the black rubber motor mount, cylindrical in shape with a tapered end, alongside a metal washer.

## 4. INSTALLATION

Proper installation is crucial for the performance and longevity of the motor mount. While specific steps may vary based on your engine model, the general procedure involves:

1. **Preparation:** Ensure the engine is safely supported and secured. Disconnect the battery.
2. **Removal of Old Mount:** Carefully unbolt and remove the existing motor mount. Note the orientation and position of all components.
3. **Inspection:** Inspect the mounting surfaces for corrosion or damage. Clean as necessary.
4. **Installation of New Mount:** Position the new Sierra 18-2144 motor mount according to your engine's service manual. Ensure proper alignment.
5. **Securing:** Install all bolts and fasteners. *Do not fully tighten until all mounts are in place.*
6. **Alignment and Torque:** Once all mounts are loosely installed, align the engine as required. Refer to your engine's service manual for specific torque values for all fasteners. Tighten bolts to specifications.
7. **Final Check:** Verify all connections are secure and the engine is properly supported.

**Important Note on Compatibility:** It is critical to verify the compatibility of this motor mount (part number 18-2144) with your specific engine model and year. Some users have reported fitment issues with certain Mercury 150HP outboard motors, even when cross-references suggest compatibility. Always compare the physical dimensions and taper of the new mount with the original part to ensure a correct fit before final installation.

## 5. MAINTENANCE

Regular inspection and maintenance will extend the life of your motor mount and ensure continued engine performance.

- **Visual Inspection:** Periodically inspect the rubber material for cracks, tears, or excessive compression. Check for signs of oil or fuel contamination, which can degrade rubber.
- **Fastener Check:** Ensure all mounting bolts and nuts remain tight. Re-torque to specifications if necessary.
- **Corrosion:** Inspect metal components for rust or corrosion, especially in saltwater environments. Clean and apply marine-grade anti-corrosion spray as needed.
- **Vibration:** If increased engine vibration is noticed, inspect all motor mounts for signs of failure or wear.

## 6. TROUBLESHOOTING

This section addresses common issues related to marine motor mounts.

### Excessive Engine Vibration

- **Cause:** Worn, damaged, or improperly installed motor mount(s).
- **Solution:** Inspect all motor mounts for physical damage, cracks, or excessive play. Ensure all mounting bolts are torqued to specification. Replace any damaged mounts.

### Mount Does Not Fit

- **Cause:** Incorrect part for the specific engine model, despite cross-reference information.
- **Solution:** Double-check the engine's exact model, year, and required part number against the Sierra 18-2144. Compare the physical dimensions of the mount with the original part. If discrepancies exist, contact your supplier or Sierra International for assistance in identifying the correct part.

## 7. SPECIFICATIONS

Attribute	Detail
Brand	Sierra
Model Number	18-2144
Material	Rubber
Item Weight	3.52 ounces
OEM Part Number	78687T, MERCURY MARINE 78687
Manufacturer Part Number	182144
UPC	030999621146

## 8. WARRANTY INFORMATION



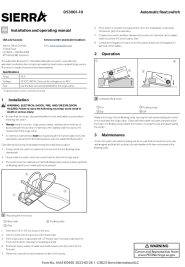

Sierra quality products are backed by an industry-leading warranty. For specific details regarding the warranty coverage for your 18-2144 Marine Motor Mount, please refer to the official Sierra International



warranty policy available on their website or contact their customer support directly. Keep your proof of purchase for warranty claims.

## 9. CUSTOMER SUPPORT

If you require further assistance, have questions about installation, or need to report an issue, please contact Sierra International customer support. Visit the official Sierra website for contact information, including phone numbers and email addresses.

### Related Documents - 18-2144

	<p><a href="#">Sierra STATS Engine Diagnostics Operating Manual</a></p> <p>Operating manual for the Sierra STATS diagnostic tool, covering marine engine diagnostics, features, and support for major brands like Mercury, Yamaha, Suzuki, Honda, Volvo, Yanmar, Kawasaki, and BRP.</p>
	<p><a href="#">Sierra All-in-1 Fuel Tank Combo Package Installation Manual</a></p> <p>Installation guide for the Sierra All-in-1 Fuel Tank Combo Package (models 053701-10, 053703-10). This document provides detailed instructions, scope of delivery, recommended tools, and component identification for universal outboard engine fuel systems.</p>
	<p><a href="#">Sierra Automatic Float Switch 053001-10: Installation and Operating Manual</a></p> <p>Detailed installation and operating guide for the Sierra Automatic Float Switch (Model 053001-10). Learn how to safely install, operate, and maintain this corrosion-resistant bilge pump switch for reliable boat bilge water management.</p>
	<p><a href="#">Leisure Suit Larry Hint Book - Sierra On-Line Game Guide</a></p> <p>Comprehensive hint book for Sierra On-Line's Leisure Suit Larry adventure game. Includes walk-throughs, maps, object locations, solutions, and FAQs to help players complete the game.</p>

 The image shows the cover of the Sierra SRSP-18 Stock Pot Range Owner's Manual. At the top is the Sierra logo. Below it, the text reads: "OWNER'S MANUAL", "INSTRUCTIONS, INSTALLATION, OPERATION, MAINTENANCE", "MODEL SRSP-18", and "STOCK POT RANGE". A photograph of the stock pot range is in the center. At the bottom, there is a small logo for "MVP" and some fine print.	<p><a href="#">Sierra SRSP-18 Stock Pot Range Owner's Manual: Installation &amp; Operation Guide</a></p> <p>Comprehensive owner's manual for the Sierra SRSP-18 Stock Pot Range, detailing installation, operation, maintenance, and troubleshooting for commercial kitchens.</p>
 The image shows the cover of the Sierra SRMG Series Manual Griddles Owner's Manual. At the top is the Sierra logo. Below it, the text reads: "OWNER'S MANUAL", "INSTRUCTIONS, INSTALLATION, OPERATION, MAINTENANCE", "MANUAL GRIDDLES", and "MODELS SRMG-12, SRMG-24, SRMG-36, SRMG-48, SRMG-60". A photograph of a manual griddle is in the center. At the bottom, there is a small logo for "MVP" and some fine print.	<p><a href="#">Sierra SRMG Series Manual Griddles Owner's Manual</a></p> <p>This owner's manual provides comprehensive instructions for the installation, operation, and maintenance of Sierra SRMG series manual griddles, including models SRMG-12, SRMG-24, SRMG-36, SRMG-48, and SRMG-60. Essential for qualified personnel.</p>