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› Fexhull Power Running Board Motor Assembly Instruction Manual for Cadillac Escalade, Chevrolet Tahoe, GMC Yukon (2007-2014)

Fexhull 22778156, 747-902

Fexhull Power Running Board Motor Assembly Instruction Manual

Model: OE 22778156, 747-902

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the Fexhull Power Running Board Motor Assembly. This product is designed as a direct replacement part for specific vehicle models to restore the functionality of power-deployable running boards. Please read this manual thoroughly before proceeding with installation or operation to ensure proper function and safety.

2. VEHICLE COMPATIBILITY

The Fexhull Power Running Board Motor Assembly (OE 22778156, 747-902, 19303235) is compatible with the following vehicles, specifically for the **Front Left (Driver Side)** with Standard Wheelbase (SWB):

- **Cadillac Escalade:** 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014
- **Chevrolet Tahoe:** 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014
- **GMC Yukon:** 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014



This image displays a table detailing the compatible vehicle models and their respective years: Chevrolet Tahoe (2007-2014), GMC Yukon (2007-2014), and Cadillac Escalade (2007-2014). Below the table, a white SUV, likely a compatible model, is shown driving.

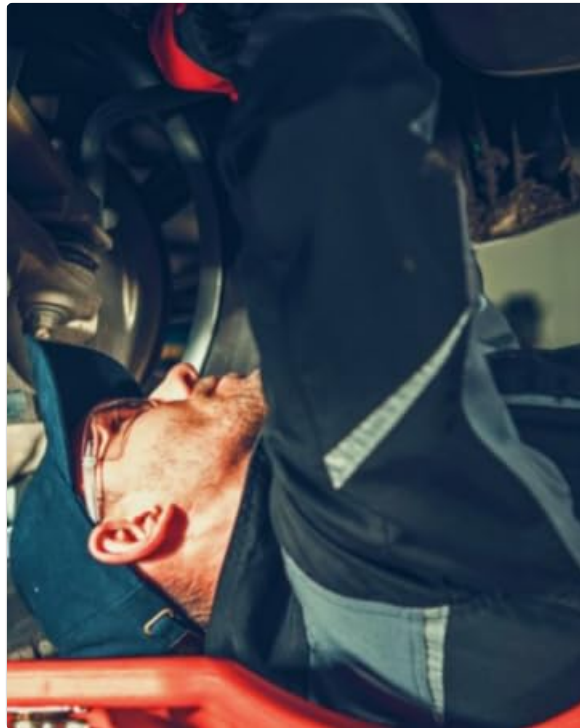
3. PRODUCT FEATURES

The Fexhull Power Running Board Motor Assembly is engineered for durability and reliable performance:

- **High-Strength Construction:** Manufactured from high-strength alloy, ensuring robust performance and longevity.
- **Enhanced Durability:** Features high bearing capacity, anti-fracture, and anti-shock properties.
- **Weather Resistant:** Designed to be rust-proof and waterproof, having passed stringent air tightness and waterproof tests.
- **Long Cycle Life:** Engineered for approximately 200,000 operational cycles.
- **Efficient Operation:** Offers approximately 10% energy savings compared to standard units.
- **Quiet Performance:** Operates with low noise levels, typically below 50dB.
- **Automatic Control:** Integrates seamlessly with the vehicle's automatic running board system.
- **High Torque Output:** Provides sufficient power for smooth running board deployment and retraction.



This diagram illustrates the robust construction of the motor assembly, emphasizing its high-strength alloy components, high bearing capacity with anti-fracture and anti-shock properties, and its rust-proof and waterproof design for enhanced durability.



This graphic highlights key performance features of the Fexhull Power Running Board Motor Assembly for Standard Wheelbase (SWB) vehicles. It indicates a cycle life of 200,000 operations, 10% energy saving, low noise levels below 50dB, automatic control functionality, and high torque output.

4. SAFETY INFORMATION

Always prioritize safety when working on your vehicle. Failure to follow safety precautions can result in injury or damage to the vehicle.

- Ensure the vehicle is parked on a level surface and the parking brake is engaged.
- Disconnect the vehicle's battery before beginning any electrical work to prevent electrical shock or damage.
- Wear appropriate personal protective equipment, including safety glasses and gloves.

- If you are unsure about any step of the installation process, consult a qualified automotive technician.
- Do not operate the running boards with body parts or objects in the path of deployment/retraction.

5. INSTALLATION GUIDE

This motor assembly is designed for direct replacement. While specific vehicle disassembly steps may vary, the general procedure involves removing the old motor and installing the new one.

Pre-Installation Checks:

1. Verify that the new motor assembly matches the original part in terms of mounting points and electrical connector type (5-pin).
2. Ensure all necessary tools are available.

General Installation Steps:

1. **Access the Motor:** Depending on your vehicle model, you may need to remove trim panels or other components to access the existing running board motor assembly.
2. **Disconnect Electrical Connector:** Carefully disconnect the 5-pin electrical connector from the old motor.
3. **Remove Mounting Bolts:** Unbolt the old motor assembly from the running board bracket. Note the orientation for reinstallation.
4. **Install New Motor:** Position the new Fexhull motor assembly and secure it with the mounting bolts. Ensure it is properly aligned.
5. **Connect Electrical Connector:** Firmly attach the 5-pin electrical connector to the new motor.
6. **Test Functionality:** Reconnect the vehicle battery. Test the running board operation by opening and closing the vehicle door. Ensure smooth and complete deployment and retraction.
7. **Reassemble:** Reinstall any removed trim panels or components.



This image provides multiple views of the motor assembly. It highlights its waterproof and durable construction, stable performance, and design for direct installation. A close-up shows the 5-pin electrical connector, crucial for proper wiring.



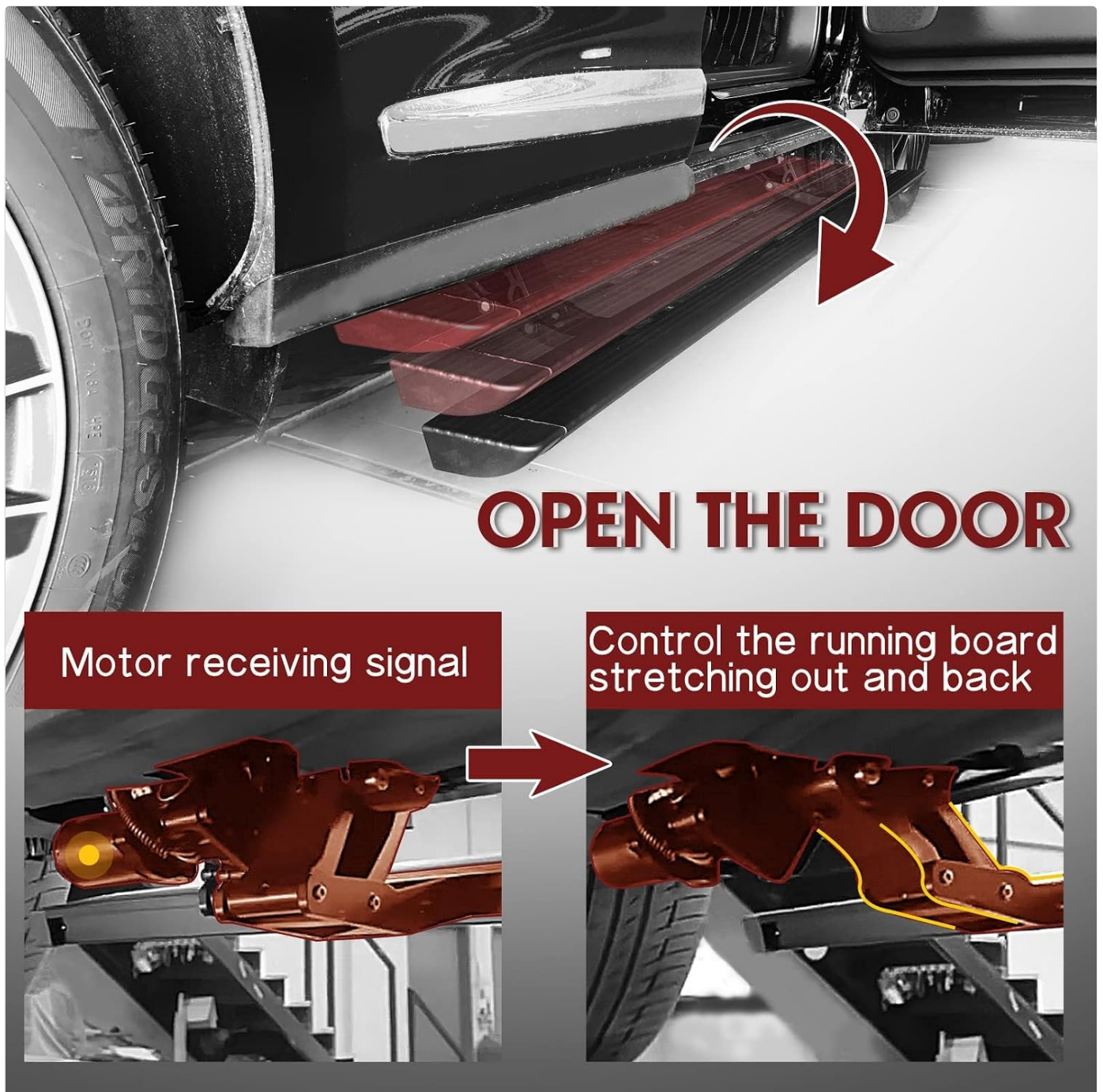
A clear view of the Fexhull Power Running Board Motor Assembly, including its integrated bracket, designed for the front left (driver side) of compatible vehicles.

6. OPERATING INSTRUCTIONS

The power running board system operates automatically in conjunction with your vehicle's doors. When a compatible door is opened, the running board will extend. When the door is closed, the running board will retract.

- **Deployment:** Open the vehicle door. The motor will receive a signal, and the running board will smoothly extend to its operational position.
- **Retraction:** Close the vehicle door. The motor will receive a signal, and the running board will retract back into its stowed position beneath the vehicle.

Ensure the path of the running board is clear during deployment and retraction to prevent obstruction or damage.



This diagram visually explains the automatic function of the power running board. It shows the motor receiving a signal when the door opens, initiating the extension of the running board, and then retracting it when the door closes.

7. MAINTENANCE

To ensure the longevity and optimal performance of your Fexhull Power Running Board Motor Assembly, consider the following maintenance tips:

- **Regular Inspection:** Periodically inspect the motor assembly and running board linkages for any signs of wear, damage, or corrosion.
- **Cleaning:** Keep the running board and motor area free from excessive dirt, mud, salt, or debris, especially in harsh weather conditions. Use a mild soap and water solution for cleaning.
- **Lubrication:** Consult your vehicle's owner's manual for recommendations on lubricating running board pivot points or hinges.
- **Avoid Obstructions:** Ensure no objects are blocking the running board's path, as this can strain the motor.

8. TROUBLESHOOTING

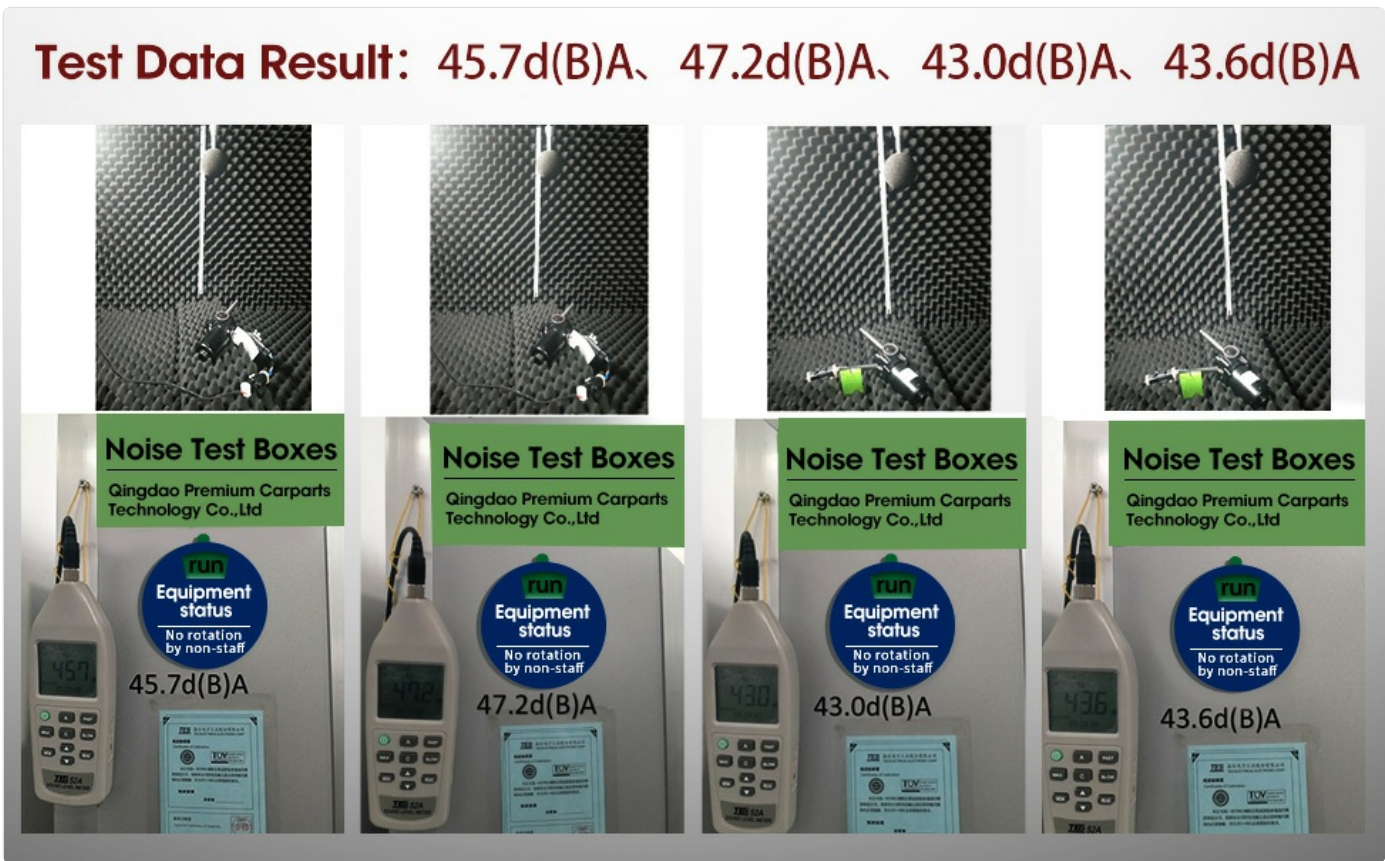
If you experience issues with your power running board, consider the following common problems and solutions:

Common Issues:

- **Running Board Fails to Deploy or Retract:** This can indicate a motor failure, wiring issue, or a problem with the running board's hinges/linkages.
- **Loud Noise During Operation:** Excessive noise (e.g., grinding, squealing) during deployment or retraction often points to a failing motor or worn linkages.
- **Intermittent Operation:** The running board works sometimes but not always, which could be due to a faulty electrical connection or an intermittent motor issue.

Solutions:

- **Check Electrical Connections:** Ensure the 5-pin connector is securely attached and free from corrosion.
- **Inspect for Obstructions:** Verify that nothing is physically blocking the running board's movement.
- **Manual Movement Check:** If safe to do so, gently try to move the running board by hand (when not powered) to check for seized hinges or linkages.
- **Motor Replacement:** If the motor is determined to be faulty (e.g., due to internal failure or excessive noise), replacement with a new Fexhull Power Running Board Motor Assembly is typically the solution.



This image presents the results of noise tests conducted on the motor, displaying decibel readings (45.7dB(A), 47.2dB(A), 43.0dB(A), 43.6dB(A)) from various test boxes, indicating the motor's quiet operation when functioning correctly.

9. SPECIFICATIONS

Attribute	Specification
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Brand	Fexhull
Model Name	Running Board Motor (Standard Wheelbase SWB)
Voltage	12 Volts
Horsepower	30 Watts
Material	High-strength Metal Alloy
Item Weight	9.64 pounds
Package Dimensions	14.48 x 11.02 x 7.36 inches
OEM Part Numbers	19303235 (Motor GM), 22778156, 747-902
Manufacturer Part Number	747902
Installation Position	Front Left (Driver's Side)
Number of Terminals	5-pin
Bracket Included	Yes

10. WARRANTY AND SUPPORT

Fexhull products are manufactured with a commitment to quality and reliability. For specific warranty information regarding your Power Running Board Motor Assembly, please refer to the documentation included with your purchase or contact Fexhull customer support directly.

If you encounter any issues or have questions regarding the installation, operation, or maintenance of this product, please contact our customer service team for assistance. Our service tenet is: "Professional, standardized, team, efficient."

Contact Information: Please refer to the contact details provided on the Fexhull official website or your purchase invoice.

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

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