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› Dorman 748-508 Power Window Regulator and Motor Assembly Instruction Manual

Dorman 748-508

Dorman 748-508 Power Window Regulator and Motor Assembly Instruction Manual

For Front Driver Side on Select Chrysler, Dodge, and Ram Models

1. PRODUCT OVERVIEW

The Dorman 748-508 Power Window Regulator and Motor Assembly is a direct replacement component designed for the front driver side of specific Chrysler, Dodge, and Ram vehicles. This assembly addresses common failures in original equipment window regulators, such as cable stress and binding, by incorporating enhanced cable guides and sheathing. It is engineered to provide a durable and reliable solution for restoring proper window function.



Figure 1.1: Dorman 748-508 Power Window Regulator and Motor Assembly. This image displays the complete assembly, including the motor, cables, and guide rails.

2. KEY FEATURES AND BENEFITS

- **Improved Design:** Features added cable guides and sheathing to reduce cable elongation and prevent reel binding, enhancing durability and longevity compared to original equipment.
- **Complete Assembly:** Supplied as a complete unit with both the regulator and motor, simplifying installation and eliminating the need to diagnose individual component failures.
- **Direct Replacement:** Engineered for a precise fit and function, ensuring a plug-and-play installation that matches the factory design.
- **Rigorous Testing:** Designed to meet Federal Motor Vehicle Safety Standards and extensively cycle-tested in actual vehicle doors for proven reliability.

FEATURES & BENEFITS

REGULATORS



Featuring cable guides to eliminate tension and reduce stretching



Trustworthy replacement with performance cycle testing



Simple replacement, no special tools required



Figure 2.1: Visual representation of key features, including cable guides, performance testing, and ease of replacement.

IMPROVED DESIGN



Replacement features added cable guides and sheathing to counteract cable stretching and resist reel binding

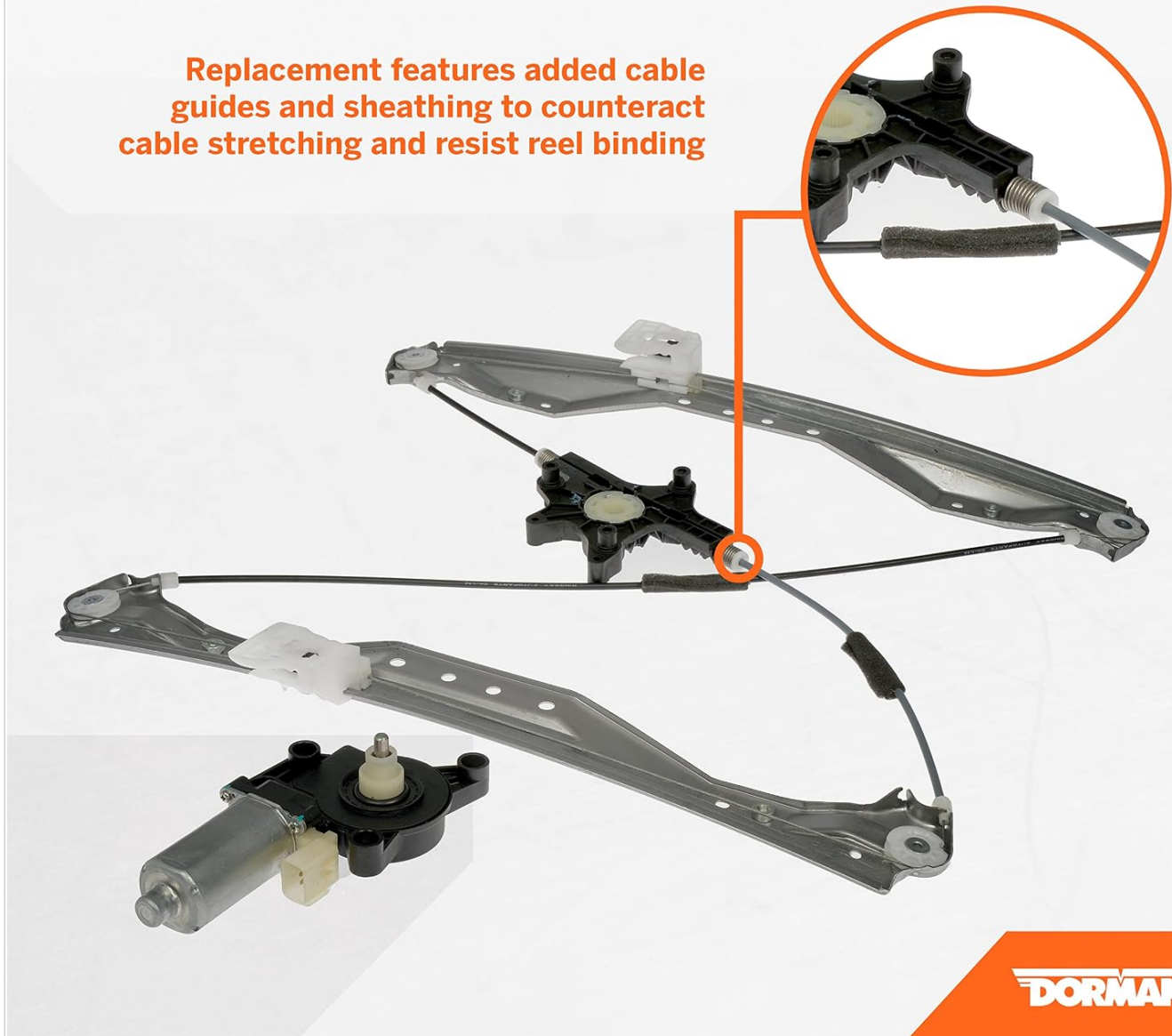


Figure 2.2: Illustration highlighting the improved design with added cable guides and sheathing to prevent stretching and reel binding.

3. VEHICLE COMPATIBILITY

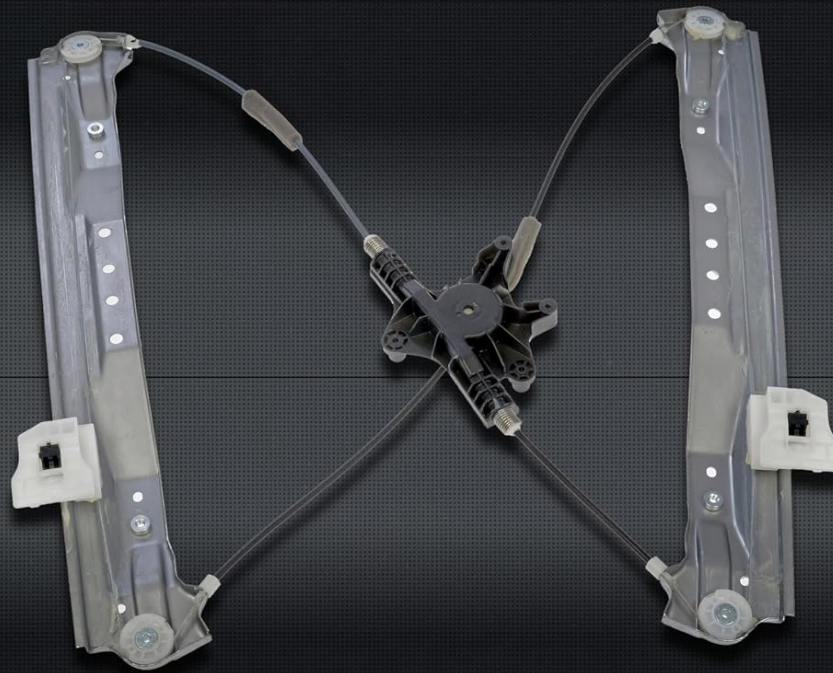
This Dorman 748-508 Power Window Regulator and Motor Assembly is compatible with the front driver side of the following vehicle models and years:

- **Chrysler Town & Country:** 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016
- **Dodge Grand Caravan:** 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020
- **Ram C/V:** 2012, 2013, 2014, 2015

Always verify fitment for your specific vehicle's make, model, and trim level before installation.



748-508: POWER WINDOW REGULATOR AND MOTOR ASSEMBLY



Fits

Chrysler Town & Country 2016-08

Dodge Grand Caravan 2020-08

Ram C/V 2015-12

BEFORE ORDERING, CONFIRM THAT THIS PART FITS
YOUR EXACT YEAR, MAKE, MODEL AND TRIM



Figure 3.1: Graphic illustrating the vehicle models and years compatible with the 748-508 Power Window Regulator and Motor Assembly.

4. INSTALLATION (SETUP)

Installation of a power window regulator and motor assembly requires mechanical aptitude and specific tools. If you are not comfortable performing this procedure, it is recommended to seek assistance from a qualified automotive technician.

4.1. Safety Precautions

- Disconnect the vehicle's battery before beginning any electrical work to prevent accidental power surges or injury.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the window glass is properly supported or removed to prevent it from falling during the regulator replacement.

4.2. Required Tools (Typical)

- Socket set and ratchet

- Screwdriver set (Phillips and flathead)
- Trim panel removal tools
- Torx bits (if applicable)
- Wire cutters/strippers (if wiring repair is needed)
- Electrical tape or heat shrink tubing

4.3. General Installation Steps

1. **Access the Door Panel:** Carefully remove the interior door panel. This typically involves removing screws, clips, and disconnecting electrical connectors for switches and lights.
2. **Remove Old Regulator:**
 - Locate and disconnect the electrical connector from the window motor.
 - Carefully detach the window glass from the old regulator. Secure the glass in the up position using tape or a wedge.
 - Unbolt the old regulator assembly from the door frame.
 - Carefully remove the old regulator assembly from the door cavity.
3. **Install New Regulator:**
 - Insert the new Dorman 748-508 assembly into the door cavity.
 - Align and bolt the new regulator assembly to the door frame.
 - Attach the window glass to the new regulator's glass clips. Ensure it is securely seated.
 - Connect the electrical connector to the new window motor.
4. **Test Functionality:** Reconnect the vehicle battery. Test the window's up and down movement to ensure smooth operation and proper alignment before reassembling the door panel.
5. **Reassemble Door Panel:** Reattach all electrical connectors, clips, and screws for the interior door panel.



Figure 4.1: The Dorman 748-508 assembly shown with the motor detached, illustrating the components that need to be handled during installation.

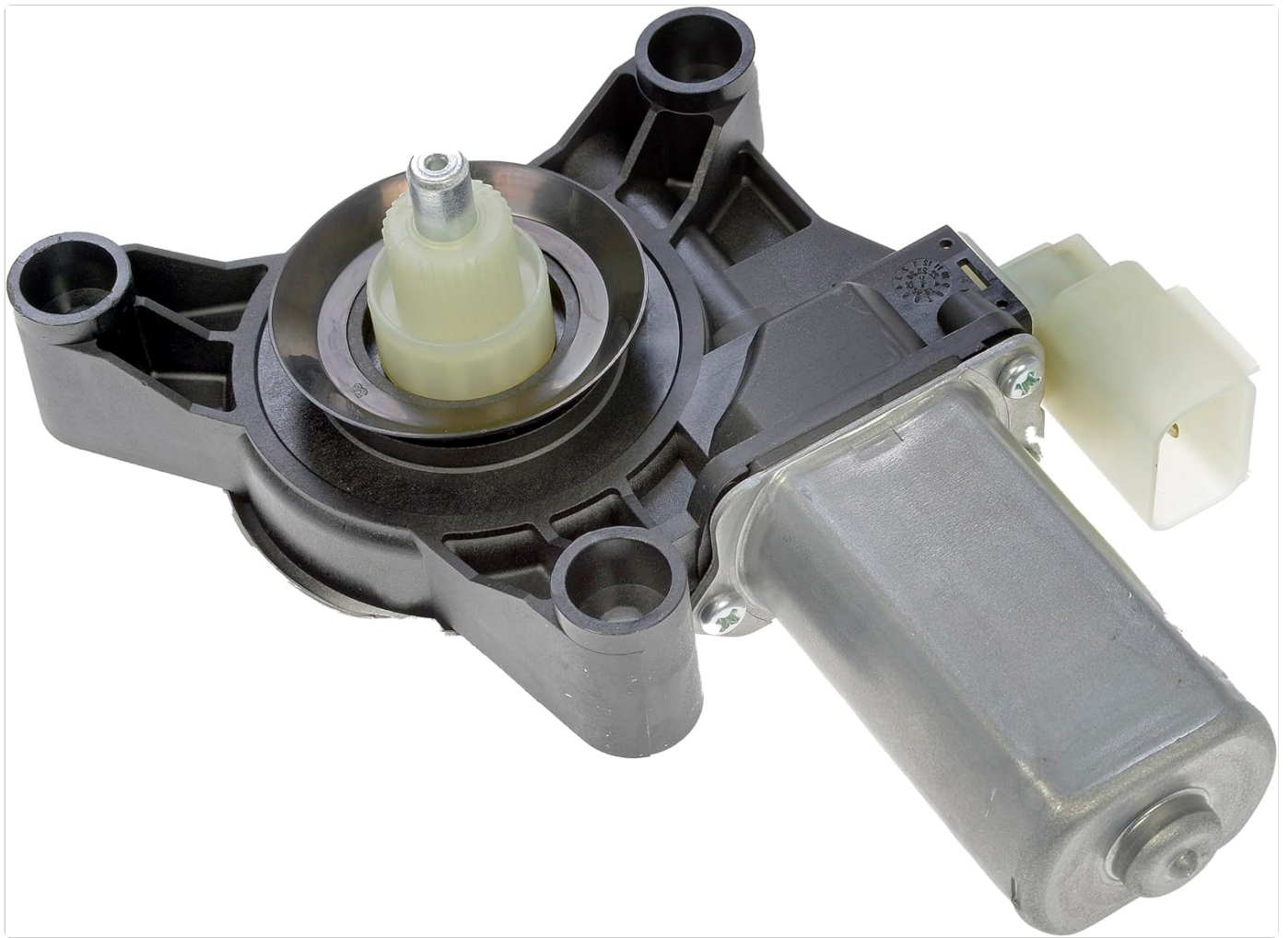


Figure 4.2: A close-up view of the window motor component, showing its gear mechanism.



Figure 4.3: Detailed view of the electrical connector on the window motor, which must be securely connected during installation.

5. OPERATION

Once installed, the Dorman 748-508 Power Window Regulator and Motor Assembly operates identically to the original equipment. The window is controlled via the vehicle's existing power window switch located on the driver's door panel.

- To lower the window, press and hold the appropriate switch button down.
- To raise the window, pull and hold the appropriate switch button up.
- Some vehicles may feature an "auto up/down" function, allowing a single press to fully open or close the window.

Ensure that no obstructions are present in the window path during operation to prevent damage to the window, regulator, or potential injury.

6. MAINTENANCE

The Dorman 748-508 Power Window Regulator and Motor Assembly is designed for long-term, maintenance-free operation. However, general vehicle maintenance practices can contribute to its longevity:

- **Keep Window Tracks Clean:** Periodically clean the window tracks to remove dirt, dust, and debris that can impede window movement and put strain on the motor.
- **Lubricate Window Seals:** Apply a silicone-based lubricant to the window rubber seals and channels annually to ensure smooth operation and prevent sticking.
- **Avoid Overloading:** Do not attempt to operate the window if it is frozen or obstructed, as this can damage the motor or regulator mechanism.

7. TROUBLESHOOTING

If you experience issues with your power window after installation, consider the following troubleshooting steps:

Symptom	Possible Cause	Solution
Window does not move or moves slowly.	• Loose or corroded electrical connection to motor. • Faulty window switch. • Obstruction in window track. • Blown fuse.	• Check and secure motor connector. • Test or replace window switch. • Inspect and clear window tracks. • Check vehicle fuse box and replace blown fuse.
Window makes grinding or clicking noises.	• Misaligned regulator or glass. • Debris in window track.	• Re-check regulator mounting and glass attachment. • Clean window tracks thoroughly.
Window falls down or does not stay up.	• Improperly installed glass. • Internal regulator failure (unlikely for new Dorman OE FIX).	• Ensure glass is securely attached to regulator clips. • If issue persists, inspect regulator for damage.

If troubleshooting steps do not resolve the issue, it is recommended to consult a professional automotive technician.

8. SPECIFICATIONS

Attribute	Detail
Brand	Dorman
Model Number	748-508
Part Type	Power Window Regulator and Motor Assembly
Position	Front Driver Side
Item Weight	5.09 pounds
OEM Part Numbers	386936; WLA2002; 68030655AA; 68030657AA; 68102229AA
Special Features	Easy to Install (as per manufacturer claim)

Attribute	Detail
Included Components	1 Power Window Motor and Regulator

9. WARRANTY AND SUPPORT

Dorman products are manufactured to high-quality standards. For specific warranty information regarding the 748-508 Power Window Regulator and Motor Assembly, please refer to the documentation included with your purchase or visit the official Dorman website.

For technical assistance or customer support, please contact Dorman customer service directly.

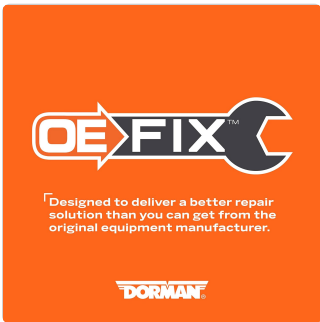


Figure 9.1: The Dorman OE FIX logo, representing improved repair solutions.

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This manual is for informational purposes only. Always consult a qualified technician for complex repairs.

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