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> Dorman 742-101 Power Window Lift Motor Instruction Manual for Chevrolet, GMC, and Pontiac Models

Dorman 742-101

Dorman 742-101 Power Window Lift Motor Instruction Manual

Compatible with Select Chevrolet, GMC, and Pontiac Models

1. PRODUCT OVERVIEW

The Dorman 742-101 Power Window Lift Motor is engineered as a direct replacement component, designed to match the fit and performance of the original motor in specific vehicle applications. This motor facilitates the proper operation of your vehicle's power windows, offering a reliable and cost-effective solution for worn or malfunctioning original equipment.

Key Features:

- **Direct Replacement:** Built to match the original lift motor on specific vehicles.
- **Seamless Installation:** Manufactured to fit directly into existing wiring systems.
- **Quality Assurance:** Backed by a team of engineers and quality control experts.

2. VEHICLE COMPATIBILITY

This power window lift motor is compatible with the following vehicle models and years. Always verify fitment using your vehicle's make, model, and trim level before installation.

- **Chevrolet Astro:** 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001
- **Chevrolet Camaro:** 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002
- **GMC Safari:** 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001
- **Pontiac Firebird:** 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002

3. WHAT'S IN THE BOX

The Dorman 742-101 Power Window Lift Motor package typically includes:

- One (1) Dorman 742-101 Power Window Lift Motor
- Mounting hardware (nuts and bolts)

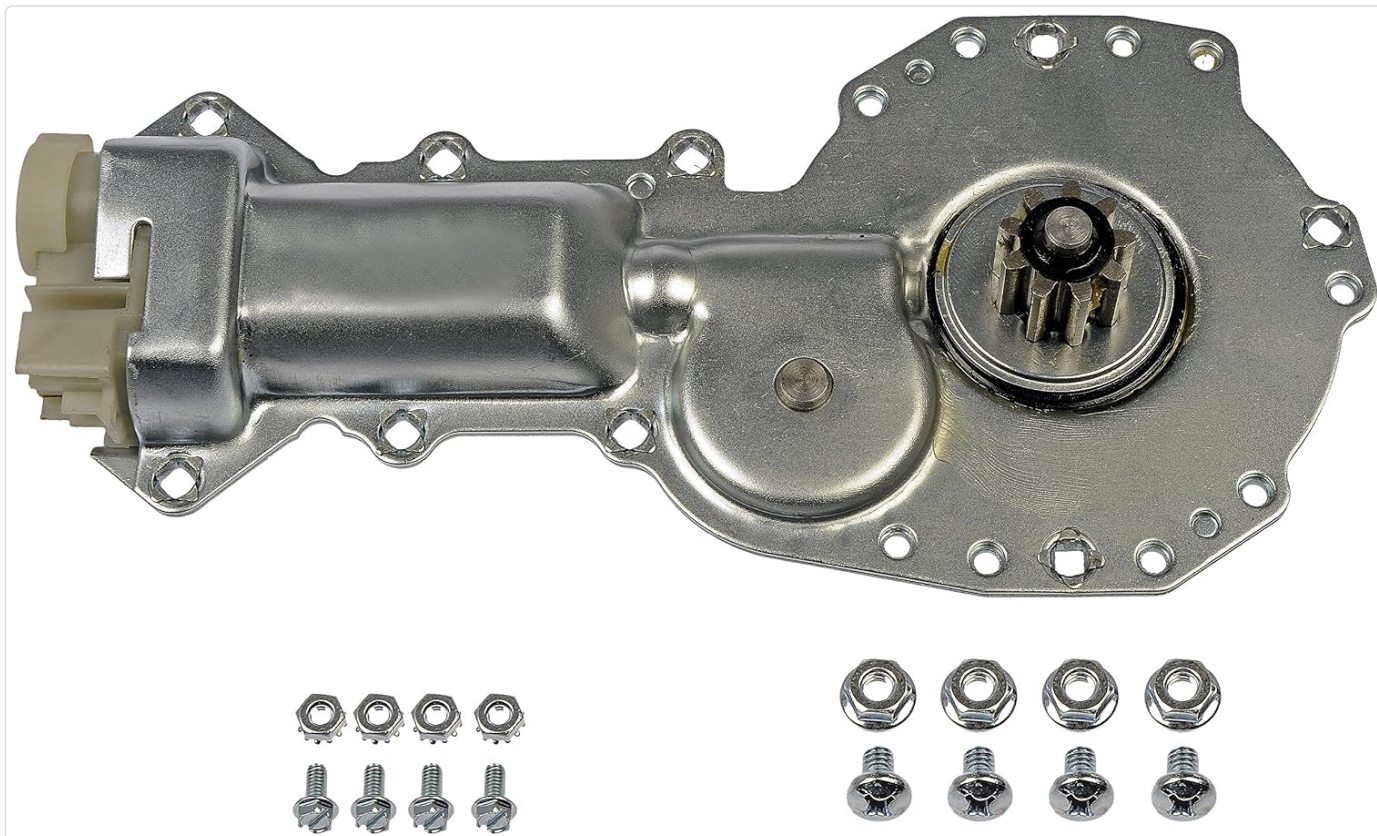


Image 1: Dorman 742-101 Power Window Lift Motor. This image displays the complete power window lift motor unit, including the main motor housing, the gear mechanism, and the accompanying set of nuts and bolts for installation.

4. INSTALLATION INSTRUCTIONS

Installation of the Dorman 742-101 Power Window Lift Motor requires mechanical aptitude and basic tools. It is recommended to consult a service manual specific to your vehicle or professional automotive repair resources for detailed, step-by-step guidance. The following provides general steps and important considerations:

1. **Safety First:** Disconnect the vehicle's battery to prevent electrical shorts or accidental operation during installation. Wear appropriate safety gear, including eye protection.
2. **Access the Motor:** Remove the interior door panel and any other components obstructing access to the window regulator and motor assembly.
3. **Remove Old Motor:** The original motor is often secured with rivets. These will need to be drilled out carefully. Disconnect the electrical connector from the old motor.
4. **Prepare New Motor:** Connect the electrical harness from the vehicle to the new Dorman 742-101 motor. Ensure a secure connection.
5. **Mount New Motor:** Position the new motor onto the window regulator. The Dorman 742-101 typically comes with nuts and bolts for mounting, replacing the original rivets.
6. **Gear Engagement:** Ensure the motor's gear properly engages with the window regulator's gear. If the gears do not align immediately, a small adjustment may be needed. Gently rotate the motor gear slightly with pliers until it seats correctly.
7. **Secure Mounting:** Fasten the motor using the provided nuts and bolts. Some users have noted that the supplied bolts may be slightly short for certain applications (e.g., thicker fiberglass panels). If this occurs, consider using slightly longer bolts or washers to ensure a secure fit. A tip for securing nuts in tight spaces is to use a piece of double-sided foam tape on the nut to hold it in place while threading the bolt.
8. **Test Operation:** Before reassembling the door panel, reconnect the vehicle battery and test the window's up and down functionality. Ensure smooth operation throughout the full range of motion.

9. **Reassemble:** Once confirmed operational, reassemble the door panel and all removed components in reverse order.

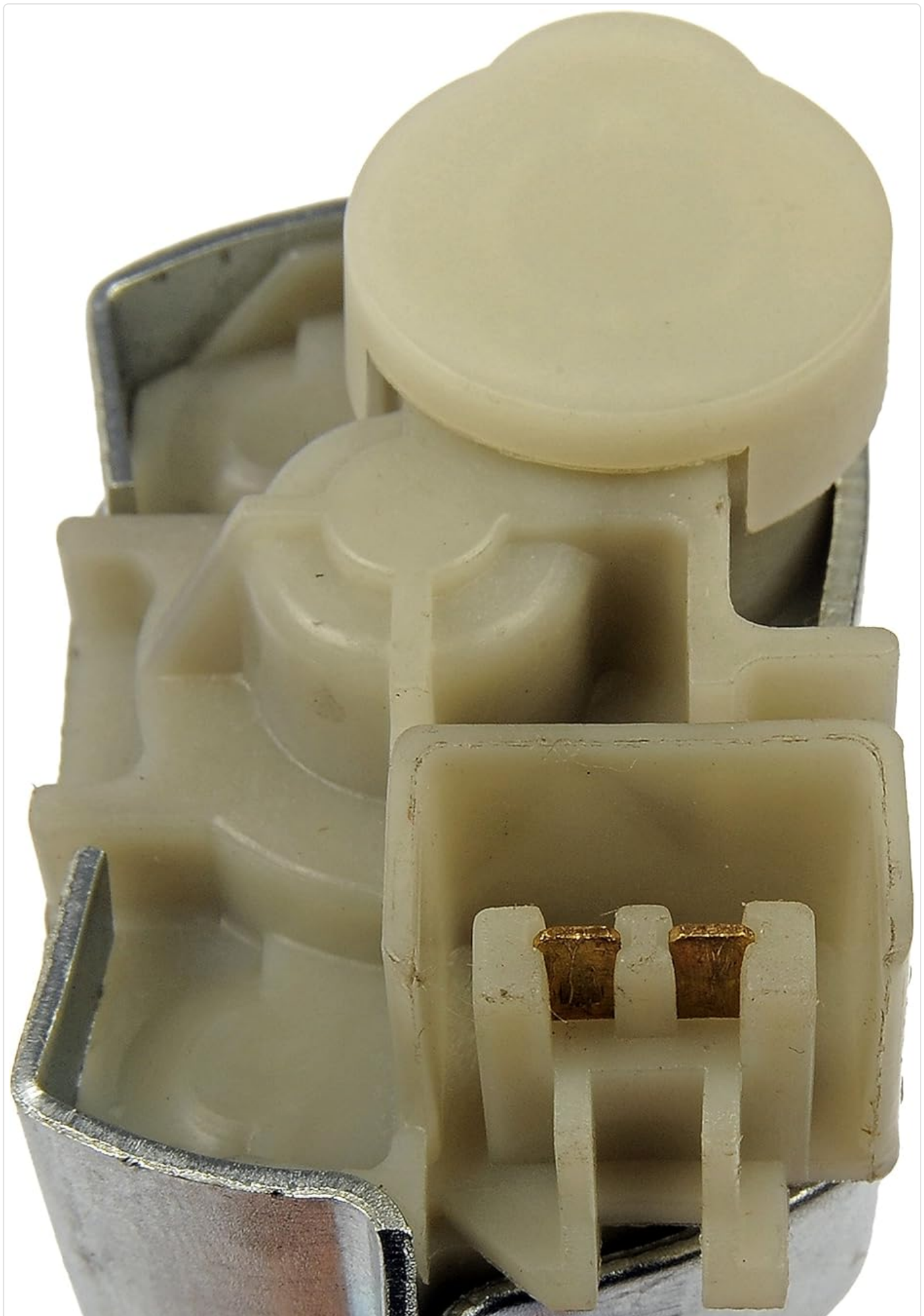




Image 2: Electrical Connector. This close-up view shows the electrical connector on the Dorman 742-101 motor, designed for direct plug-and-play integration with the vehicle's existing wiring harness.

5. OPERATING INSTRUCTIONS

Once installed, the Dorman 742-101 Power Window Lift Motor operates identically to the original equipment. Use your vehicle's standard power window switches to control the window's movement. The motor is designed to provide consistent and reliable performance for raising and lowering the window.

6. MAINTENANCE

The Dorman 742-101 Power Window Lift Motor is a sealed unit and requires no routine maintenance. For optimal longevity, ensure that the window tracks are clean and free of debris, and that the window glass moves smoothly within its channels. Lubricating window tracks with a silicone-based lubricant can help reduce strain on the motor.

7. TROUBLESHOOTING

If you encounter issues after installing the Dorman 742-101 Power Window Lift Motor, consider the following troubleshooting steps:

- **Window Not Moving or Moving Slowly:**
 - Check all electrical connections to the motor and switch for looseness or corrosion.
 - Verify that the vehicle's battery is fully charged and providing adequate voltage.
 - Ensure the motor's gear is correctly engaged with the window regulator's gear.
 - Inspect window tracks for obstructions or excessive friction.
- **Motor Noise:** Some replacement motors may exhibit a slightly different noise profile compared to the original unit. If the motor is functioning correctly and the noise is not excessive, it is generally considered normal. Excessive grinding or clicking may indicate improper gear engagement or a faulty regulator.
- **Mounting Issues:** If the motor feels loose or the provided bolts do not secure it adequately, ensure you are using the correct length and type of fasteners. Adding washers can sometimes improve stability, especially on thicker mounting surfaces.

8. SPECIFICATIONS

Brand	Dorman
Model Name	Dorman 742-101: Power Window Lift Motor
Item Model Number	742-101
Speed	90 RPM

Voltage	12 Volts
Horsepower	1 Kilowatt
Material	Alloy Steel
Item Weight	2.05 Pounds
Product Dimensions	9.7 x 4.3 x 5.3 inches
UPC	019495064565

9. WARRANTY AND SUPPORT

Dorman products are designed and manufactured to high-quality standards. While specific warranty details are not provided in this manual, Dorman stands behind its products with a team of engineers and quality control experts. For warranty information, technical assistance, or customer support, please refer to the official Dorman website or contact their customer service directly.

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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