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ECCPP 106196-5211-1656391

ECCPP Power Window Regulator with Motor Assembly

Installation and Maintenance Guide for Model 106196-5211-1656391

1. Product Overview

This ECCPP Power Window Regulator with Motor Assembly is a direct replacement part designed to restore the functionality of your vehicle's power window system. It is engineered for precise fitment and reliable performance, ensuring smooth and consistent window operation.



Image 1: ECCPP Power Window Regulator with Motor Assembly. This image displays the complete assembly, including the regulator mechanism and the electric motor, ready for installation.

The regulator is constructed from high-quality hot-dip galvanized material, providing strong hardness and resistance to corrosion. The surface undergoes multiple treatments for waterproofing, anti-corrosion, and anti-oxidation, contributing to its long-lasting performance.



Image 2: Material and construction details of the ECCPP Power Window Regulator. Highlights the use of high-quality galvanized material and multi-treatment for durability.

2. Compatibility

This power window regulator is designed for the rear right (passenger side) of the following vehicle models:

- **2002-2010** For Mercury Mountaineer
- **2002-2010** For Ford Explorer
- **2007-2010** For Ford Explorer Sport Trac
- **2003-2005** For Lincoln Aviator
- **2002-2003** For Ford Explorer Eddie Bauer / Limited / XLS / XLT Submodel

Please verify your vehicle's make, model, and year to ensure proper fitment before installation.

3. Key Features and Components

- **High-Quality Motor:** Features a strong and powerful motor for stable operation, low noise, and stable current, rigorously tested for performance.
- **Durable Construction:** Made with high-quality hot-dip galvanized material, offering strong hardness and resistance to corrosion, oxidation, and water.
- **Brushed Steel Wire Rope:** Utilizes high-quality steel wire rope designed for durability, preventing breakage and ensuring balanced lifting.
- **Pre-lubricated Track:** The window lifting track is pre-lubricated to ensure smooth and effortless glass lifting.
- **Direct Fit Design:** Engineered for a plug-and-play installation, matching original car hole positions to eliminate the need for additional drilling.



Image 3: Close-up of the high-quality motor, emphasizing its robust design for reliable window operation.



Image 4: Detail of the brushed steel wire rope and the pre-lubricated window lifting track, designed for smooth and durable performance.



Image 5: Illustrates the precise fitment with original car holes, eliminating the need for drilling during installation.

4. Installation Instructions

Warning: Disconnect the vehicle's battery before beginning any electrical work to prevent injury or damage. Professional installation is recommended.

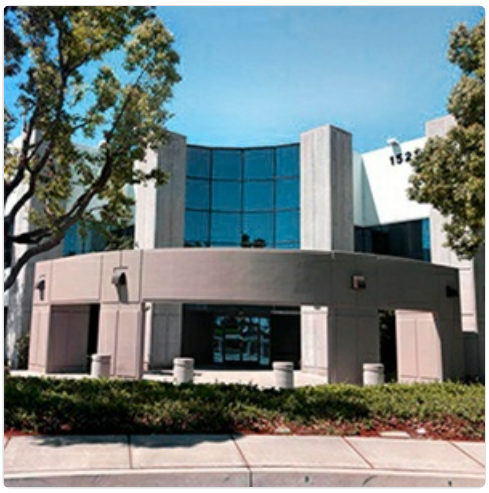


Image 6: Visual guide for replacing a power window regulator, outlining the three main parts of the process.

Part 1: Disconnecting the Window from the Motor

1. Remove the interior door panel.
2. Gently remove the plastic door cover.
3. Locate the window mounting bolts.
4. Move the window if necessary to access the bolts.
5. Remove the bolts while someone supports the window.
6. Raise the window up into the door frame.
7. Use masking tape to secure the window in place.

Part 2: Disconnecting the Motor and Regulator

1. Remove the window regulator bolts.
2. Locate and remove the window motor mounting bolts.
3. Disconnect the motor wiring harness connector.
4. Remove the motor and regulator through the access port.
5. Connect the new regulator to the new motor.

Part 3: Installing a New Power Window Motor

1. Slide the new motor and regulator back into place.
2. Replace the mounting bolts.
3. Reconnect the electrical connector.
4. Remove the masking tape and lower the window back down.
5. Insert the window mounting bolts.
6. Reinstall the plastic liner and interior panel.

5. Maintenance

To ensure the longevity and optimal performance of your power window regulator, consider the following maintenance tips:

- **Regular Cleaning:** Periodically clean the window channels and tracks to remove dirt, dust, and debris that can impede smooth operation.
- **Lubrication:** While the window lifting track comes pre-lubricated, occasional re-lubrication of the window channels with

a silicone-based lubricant can help maintain smooth movement and prevent wear. Avoid petroleum-based lubricants as they can attract dirt.

- **Inspect Wiring:** During routine vehicle checks, inspect the wiring harness for any signs of wear, fraying, or corrosion.
- **Avoid Overloading:** Do not force the window if it encounters resistance, as this can strain the motor and regulator mechanism.

6. Troubleshooting

If you encounter issues with your power window, consider these common troubleshooting steps:

- **Window Not Moving:**
  - Check the vehicle's fuse box for a blown fuse related to the power windows.
  - Ensure the window lock-out switch (if applicable) is not engaged.
  - Verify electrical connections to the motor and switch are secure.
- **Slow or Jerky Window Movement:**
  - Clean and lubricate the window channels and tracks.
  - Inspect the regulator mechanism for any obstructions or damage.
  - A weak motor or failing regulator could be the cause, requiring replacement.
- **Grinding or Clicking Noises:**
  - These noises often indicate a problem with the regulator mechanism, such as worn gears or a damaged cable. Inspection and potential replacement are recommended.

If these steps do not resolve the issue, it is advisable to consult a qualified automotive technician.

7. Specifications

Attribute	Detail
Brand	ECCPP
Model Number	106196-5211-1656391
Part Number	106196-5211-1656391
Placement on Vehicle	Rear Right (Passenger Side)
Assembly Type	Power Window Regulator with Motor
Material	High-quality hot-dip galvanized material
Corrosion Resistance	Waterproof, anti-corrosion, anti-oxidation treated surface

8. Warranty and Support

For warranty information or technical support regarding your ECCPP Power Window Regulator with Motor Assembly, please refer to the documentation provided with your purchase or contact ECCPP customer service directly. Ensure you have your product model number (106196-5211-1656391) and purchase details available when contacting support.

You can typically find contact information on the manufacturer's official website or through your original point of purchase.

Ask a question about this manual

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