

ACI 83184

ACI 83184 Power Window Motor and Regulator Assembly Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ACI 83184 Power Window Motor and Regulator Assembly. Please read this manual thoroughly before beginning installation to ensure proper function and safety.

The ACI 83184 is engineered to match original equipment regulators and is designed for advanced torque and speed, featuring a circuit breaker to prevent overheating and hardened steel gears for durability.

2. SAFETY INFORMATION

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

Always disconnect the vehicle's battery before performing any electrical work. Wear appropriate personal protective equipment, including safety glasses and gloves, during installation. Ensure all connections are secure and properly insulated to prevent electrical shorts.

3. PRODUCT OVERVIEW

The ACI 83184 Power Window Motor and Regulator Assembly is a complete unit designed to replace the original equipment in your vehicle's door. It consists of the window regulator mechanism and the electric motor that drives it.

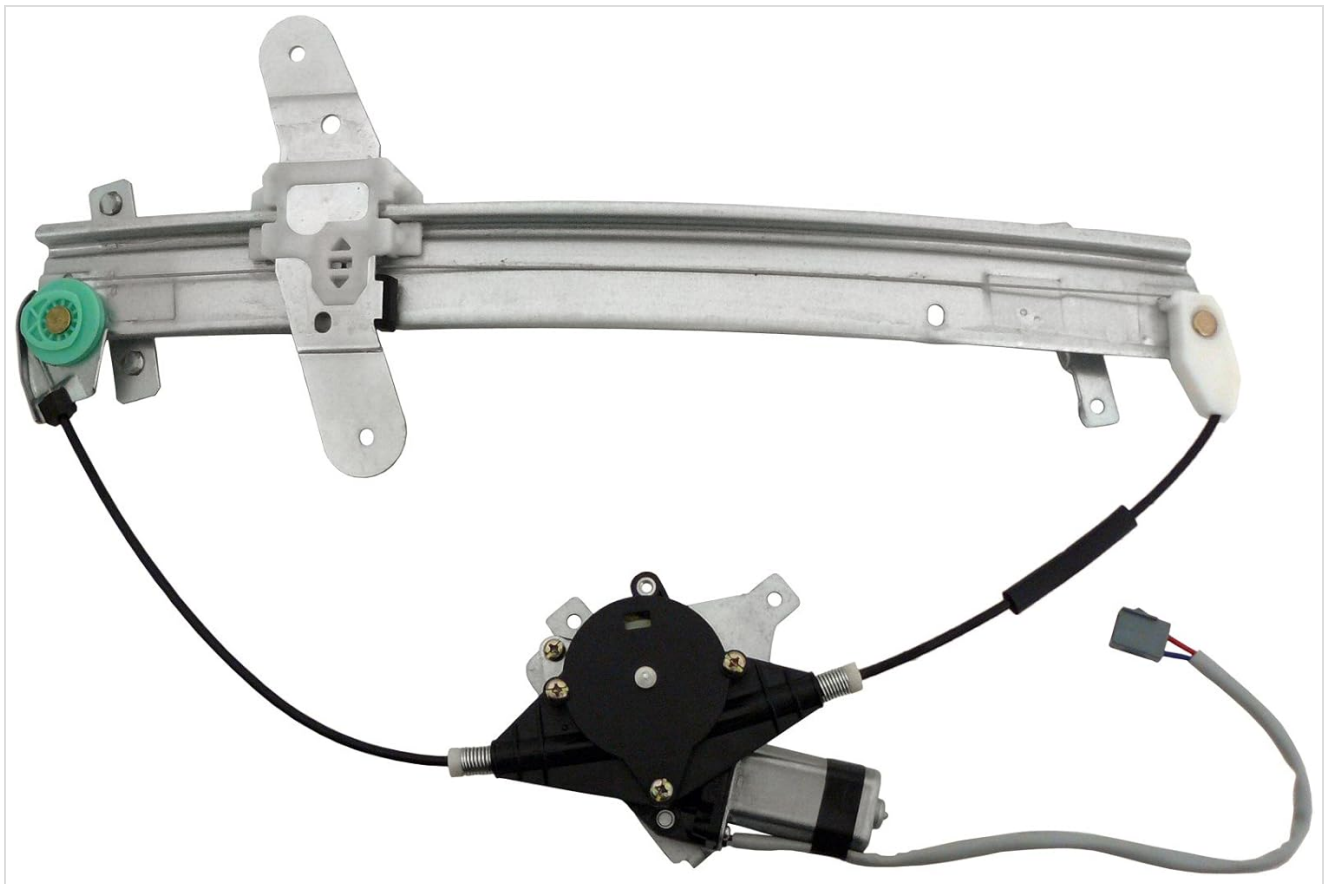


Figure 3.1: ACI 83184 Power Window Motor and Regulator Assembly. This image shows the complete assembly, including the metal regulator track, the motor assembly with its electrical connector, and the cable system.

4. SETUP AND INSTALLATION

Installation of the ACI 83184 Power Window Motor and Regulator Assembly requires basic automotive repair knowledge and tools. If you are unsure about any step, it is recommended to seek professional assistance.

4.1. Tools Required

- Socket Wrench Set
- Screwdriver Set (Phillips and Flathead)
- Trim Removal Tools
- Wire Strippers/Crimpers (if wiring repair is needed)
- Multimeter (for testing electrical connections)

4.2. Installation Steps

1. **Prepare the Vehicle:** Disconnect the negative terminal of the vehicle's battery. Remove the interior door panel and any plastic sheeting covering the door's inner structure.
2. **Access the Old Assembly:** Carefully lower the window until the mounting bolts for the glass are accessible. Support the window glass in the up position using tape or a wedge.
3. **Remove Old Assembly:** Disconnect the electrical connector from the old motor. Unbolt the window glass from the regulator. Remove all mounting bolts securing the old regulator and motor assembly to the door frame. Carefully extract the old assembly from the door.
4. **Install New Assembly:** Position the new ACI 83184 assembly inside the door. Align the mounting holes and secure the assembly with the appropriate bolts. Do not fully tighten yet.

5. **Attach Window Glass:** Carefully lower the window glass and align it with the new regulator's mounting points. Secure the glass to the regulator.
6. **Connect Electrical:** Connect the electrical connector from the vehicle's wiring harness to the new motor.
7. **Test Operation:** Reconnect the vehicle's battery. Test the window's up and down operation. Ensure smooth movement and proper sealing. Adjust the regulator's position if necessary, then fully tighten all mounting bolts.
8. **Reassemble Door:** Disconnect the battery again. Reinstall the plastic sheeting and the interior door panel. Reconnect the battery.

5. OPERATING INSTRUCTIONS

Once installed, the ACI 83184 Power Window Motor and Regulator Assembly operates identically to your vehicle's original equipment. Use the vehicle's existing power window switches to control the window's movement.

- Press the switch down to lower the window.
- Pull the switch up to raise the window.
- Some vehicles may have an "auto up/down" feature. This assembly is compatible with such features, provided the vehicle's system is functioning correctly.

6. MAINTENANCE

The ACI 83184 Power Window Motor and Regulator Assembly is designed for long-term, maintenance-free operation. However, periodic checks can help ensure optimal performance:

- **Window Track Cleaning:** Periodically clean the window tracks in the door frame to remove dirt and debris that can impede window movement.
- **Lubrication:** Apply a silicone-based lubricant to the window tracks and rubber seals to ensure smooth operation and prevent binding. Avoid petroleum-based lubricants as they can damage rubber.
- **Inspect Wiring:** If the door panel is removed for other maintenance, visually inspect the wiring to the motor for any signs of wear or damage.

7. TROUBLESHOOTING

If you experience issues with your power window, consult the following troubleshooting guide:

Problem	Possible Cause	Solution
Window does not move.	Blown fuse, faulty switch, disconnected wiring, motor failure.	Check vehicle's fuse box for a blown window fuse and replace if necessary. Test the power window switch for continuity. Inspect wiring connections. If fuse and switch are good, motor may need replacement.
Window moves slowly or with difficulty.	Dirty or dry window tracks, binding regulator, weak motor.	Clean and lubricate window tracks. Inspect regulator for bent or damaged components. If issues persist, motor may be failing.
Grinding or clicking noise during operation.	Damaged gears in motor or regulator, loose components.	Inspect the motor and regulator assembly for visible damage or loose parts. Replacement of the assembly may be required.

8. SPECIFICATIONS

Attribute	Value
Brand	ACI
Model Name	83184
Voltage	12 Volts
Material	Alloy Steel
Item Weight	5.4 Pounds
Product Dimensions	24.7 x 17.3 x 5.8 inches
Manufacturer Part Number	83184
UPC	080738831848

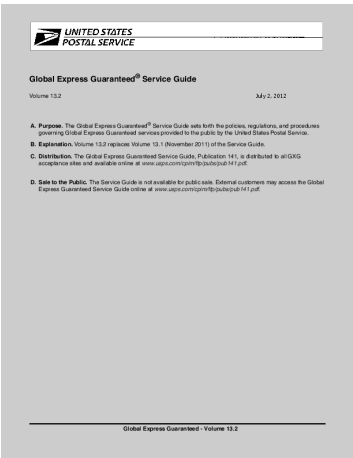
9. WARRANTY INFORMATION

This ACI Power Window Motor and Regulator Assembly comes with a **1 Year Warranty**. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact ACI customer support.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact ACI customer support. Refer to the ACI official website or your product packaging for contact details. When contacting support, please have your product model number (83184) and purchase information ready.

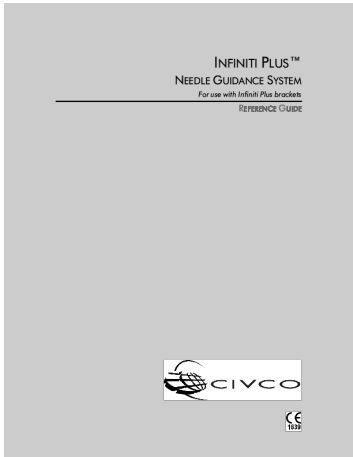
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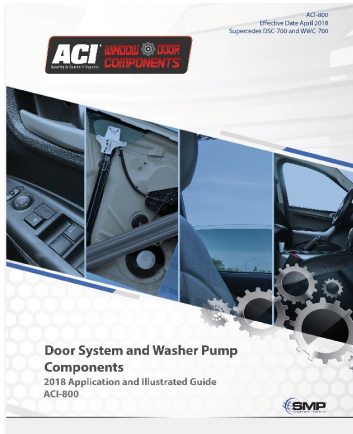
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