

ACI 389054

ACI 389054 Window Motor Assembly User Manual

Model: 389054

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your ACI 389054 Window Motor Assembly. ACI window assemblies are manufactured to meet or exceed original equipment performance, backed by nearly 40 years of excellence in door system components experience. Please read this manual thoroughly before beginning installation to ensure proper function and safety.

SAFETY INFORMATION

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Always wear appropriate personal protective equipment (PPE) such as gloves and eye protection when handling this product.

- Always disconnect the vehicle's battery before performing any electrical work.
- Ensure the vehicle is stable and secure before working on it.
- Use appropriate tools for installation to prevent damage to the product or vehicle.
- If you are unsure about any step, consult a qualified automotive technician.
- Keep children and pets away from the work area.

PRODUCT OVERVIEW

The ACI 389054 Window Motor Assembly is a direct replacement component designed for seamless integration into your vehicle's window system. It features advanced torque and speed capabilities, a circuit breaker to prevent overheating, and hardened steel gears for durability.

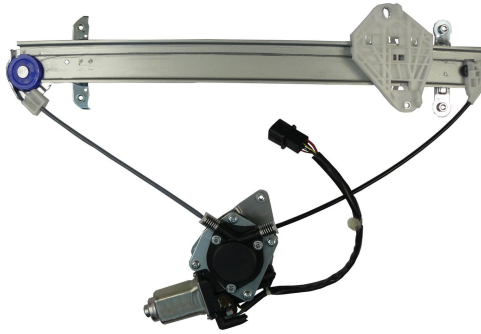


Figure 1: Front view of the ACI 389054 Window Motor Assembly, showing the motor, cables, and regulator mechanism.

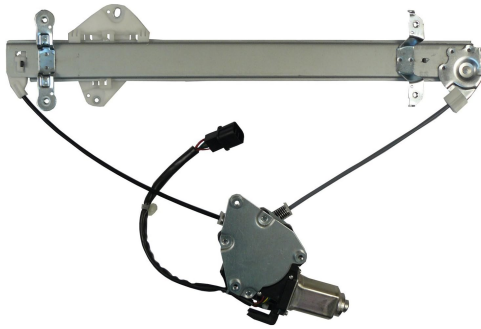


Figure 2: Rear view of the ACI 389054 Window Motor Assembly, highlighting the mounting points and cable routing.



Figure 3: Close-up view of the electrical connector on the ACI 389054 Window Motor Assembly, showing the pin configuration.

SETUP AND INSTALLATION

Installation of the ACI 389054 Window Motor Assembly requires basic automotive repair knowledge and tools. Refer to your vehicle's specific service manual for detailed instructions on removing door panels and accessing the window regulator assembly.

Required Tools:

- Socket Wrench Set
- Screwdriver Set (Phillips and Flathead)
- Trim Panel Removal Tools
- Wire Strippers/Crimpers (if wiring repair is needed)
- Safety Glasses and Gloves

Installation Steps:

1. **Prepare the Vehicle:** Park the vehicle on a level surface, engage the parking brake, and disconnect the negative terminal of the vehicle's battery.
2. **Remove Door Panel:** Carefully remove the interior door panel. Refer to your vehicle's service manual for specific fasteners and clips.
3. **Access Regulator:** Remove any plastic sheeting or sound deadening material to gain access to the window regulator and motor assembly.
4. **Disconnect Old Assembly:** Disconnect the electrical connector from the old window motor. Carefully unbolt the old window motor and regulator assembly from the door frame. Support the window glass to prevent it from falling.
5. **Remove Glass (if necessary):** In some cases, it may be easier to remove the window glass from the regulator channels before removing the assembly.
6. **Install New Assembly:** Position the new ACI 389054 Window Motor Assembly into the door frame, aligning it with the mounting holes. Secure it with the appropriate bolts, ensuring it is firmly attached.
7. **Connect Glass:** Reattach the window glass to the new regulator's channels. Ensure the glass moves freely within the channels.
8. **Connect Electrical:** Reconnect the electrical connector to the new window motor.
9. **Test Functionality:** Reconnect the vehicle's battery. Before reassembling the door panel, test the window's up and down operation. Ensure smooth movement and proper sealing.
10. **Reassemble Door Panel:** Once functionality is confirmed, reattach any plastic sheeting, and then carefully reinstall the interior door panel, ensuring all clips and fasteners are secure.
11. **Final Check:** Verify all connections are tight and the window operates correctly.

OPERATING

Once installed, the ACI 389054 Window Motor Assembly operates in conjunction with your vehicle's existing window switch. Simply use the window switch to raise or lower the window. The motor is designed for smooth and reliable operation, matching original equipment performance.

MAINTENANCE

The ACI 389054 Window Motor Assembly is designed for long-term, maintenance-free operation. However, to ensure optimal performance of your vehicle's window system:

- Keep window channels clean and free of debris.
- Periodically inspect the window seals for wear or damage.
- Avoid excessive force on the window when operating.
- If the window becomes stiff or noisy, inspect the window channels and regulator for obstructions or wear.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Window does not move.	<ul style="list-style-type: none">• Disconnected electrical connector.• Blown fuse.• Faulty window switch.• Motor circuit breaker tripped.	<ul style="list-style-type: none">• Check and secure electrical connection to motor.• Inspect and replace vehicle's window fuse if blown.• Test window switch; replace if faulty.• Allow motor to cool down; if issue persists, inspect wiring or motor.

Problem	Possible Cause	Solution
Window moves slowly or with difficulty.	<ul style="list-style-type: none">Obstruction in window channel.Worn or dirty window channels.Bent regulator track.	<ul style="list-style-type: none">Inspect and clear any obstructions.Clean and lubricate window channels.Inspect regulator for damage; replace if necessary.
Grinding or clicking noise during operation.	<ul style="list-style-type: none">Damaged gears in motor or regulator.Loose mounting bolts.	<ul style="list-style-type: none">Inspect motor and regulator for damage; replace if necessary.Check and tighten all mounting bolts.

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

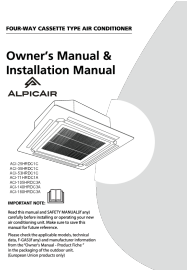
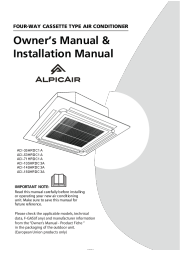


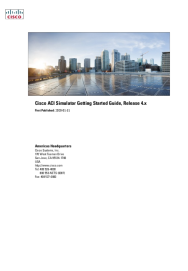

SPECIFICATIONS

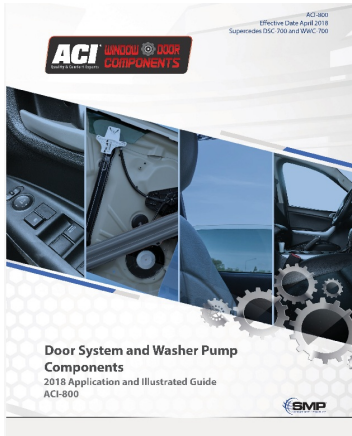
Attribute	Detail
Model Number	389054
Brand	ACI
Manufacturer	ACI
Item Weight	3.8 pounds
Product Dimensions	2.4 x 10.6 x 24 inches
Material	Alloy Steel
UPC	080738890548
Key Features	<ul style="list-style-type: none">Engineered to match original equipment regulators mountingDesigned for advanced torque and speedCircuit breaker prevents overheatingHardened steel gear

WARRANTY AND SUPPORT

For warranty information or technical support regarding your ACI 389054 Window Motor Assembly, please contact ACI customer service directly. Refer to the packaging or ACI's official website for the most current contact details.
Note: Warranty may be voided if the product is not installed correctly or is subjected to misuse.



	<p>Installation Guide for ACI Series Cassette Air Conditioners</p> <p>Detailed installation instructions for ACI series cassette air conditioners, including safety precautions, mounting dimensions, and connection procedures. Covers models like ACI-25HRDC1C, ACI-35HRDC1C, ACI-53HRDC1C, ACI-71HRDC1A, ACI-105HRDC3A, ACI-140HRDC3A, and ACI-180HRDC3A.</p>
	<p>ALPICAIR Four-Way Cassette Air Conditioner: Owner's and Installation Manual</p> <p>This comprehensive owner's and installation manual for the ALPICAIR Four-Way Cassette Type Air Conditioner provides detailed guidance on safety, installation, operation, maintenance, and troubleshooting for models ACI-35HRDC1A, ACI-53HRDC1A, ACI-71HRDC1A, ACI-105HRDC3A, ACI-140HRDC3A, and ACI-180HRDC3A.</p>
	<p>nVent LENTON Interlok Standard Grout-Fill Coupler (LK8ES) - Epoxy Coated</p> <p>Detailed product information for the nVent LENTON Interlok Standard Grout-Fill Coupler, epoxy coated, 25 mm (#8). Learn about its functions, specifications, and applications in construction.</p>
	<p>Nvent Lenton Interlok Position Transition Grout-Fill Coupler Technical Specifications</p> <p>Detailed technical specifications, features, and compliance standards for the Nvent Lenton Interlok Position Transition Grout-Fill Coupler, designed for splicing different diameter rebar. Includes model numbers LK1110STHD and LK1411STHD.</p>
	<p>Cisco ACI Simulator Getting Started Guide, Release 4.x</p> <p>This guide provides an introduction to the Cisco ACI Simulator, covering initial setup, configuration, and basic operations. It is intended for data center administrators and network professionals.</p>
	<p>DEWALT AC100+ Gold Adhesive Anchoring System with Smooth Dowel Bars Technical Data</p> <p>Technical specifications and testing results for DEWALT's AC100+ Gold Adhesive Anchoring System when used with smooth dowel bars, including bond capacity data for various concrete strengths and bar sizes, referencing relevant building codes.</p>



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