**Cardone 82-178**

# Cardone 82-178 Window Lift Motor Instruction Manual

Model: 82-178

## 1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your Cardone 82-178 Window Lift Motor. This motor is designed to restore proper window function in your vehicle, featuring 100% load testing for reliable performance, extra torque to prevent premature failure, and gears made from stronger, less brittle materials. Magnets are engineered to deliver consistent torque even in extreme weather conditions.
Please read this manual thoroughly before attempting any installation or service to ensure safe and correct procedures.

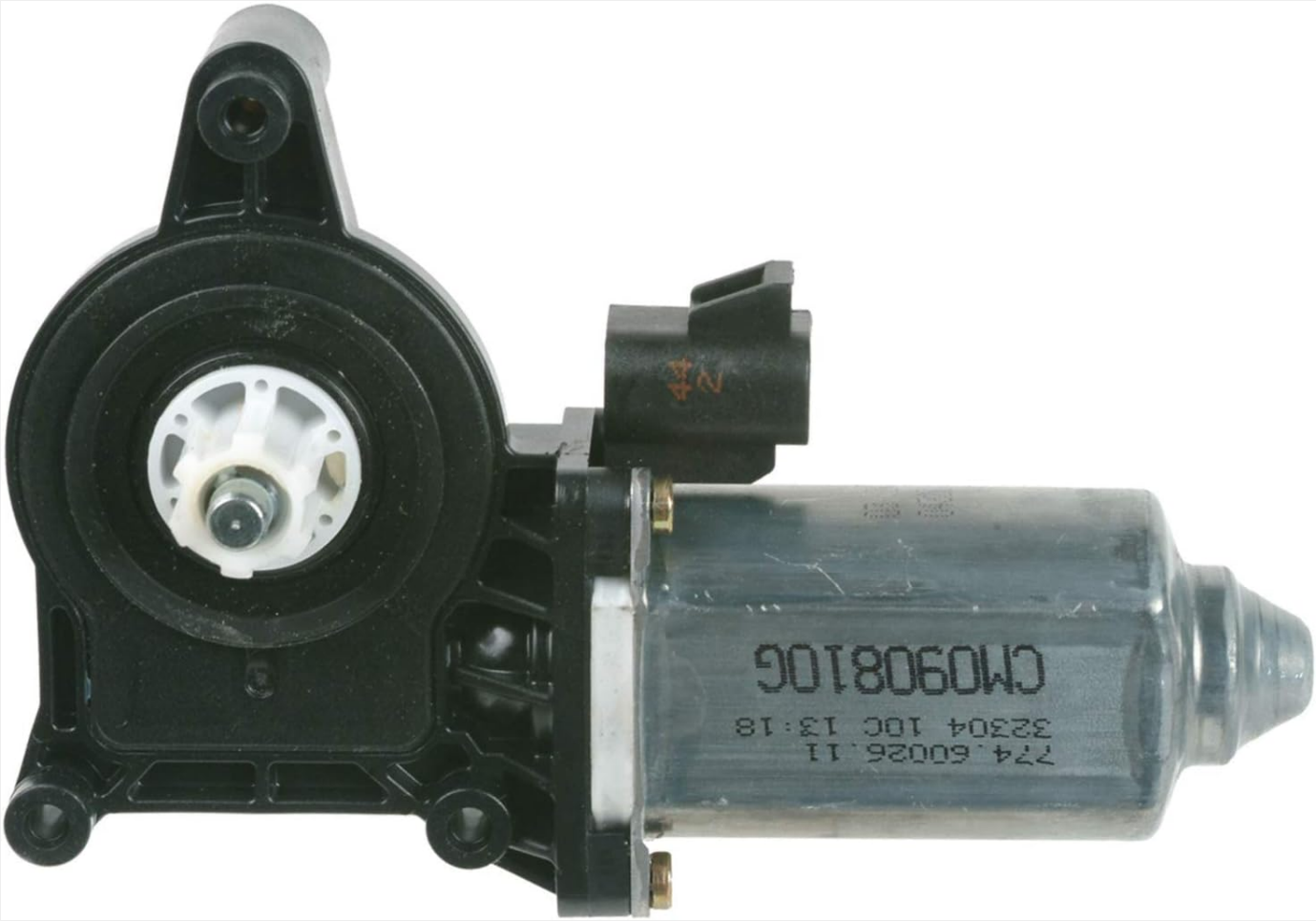



Image 1: Main view of the Cardone 82-178 Window Lift Motor. This image shows the motor assembly with its electrical connector and gear mechanism.

## 2. Safety Information

Always observe the following safety precautions when working on your vehicle:

- Disconnect the vehicle's battery before beginning any electrical work to prevent accidental shorts or injury.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the vehicle is securely supported on a level surface if lifting is required.
- Be aware of sharp edges and pinch points when working with vehicle panels and window mechanisms.
- If you are unsure about any step, consult a qualified automotive technician.

## 3. Package Contents

Upon opening the package, verify that all components are present and undamaged:

- Cardone 82-178 Window Lift Motor (1 unit)
- (Note: Mounting hardware may or may not be included and might need to be reused from the original assembly or purchased separately.)

## 4. Installation

The installation of a window lift motor typically involves removing the door panel, disconnecting the old motor, and

installing the new one. Due to variations between vehicle makes and models, it is highly recommended to consult your vehicle's specific service manual for detailed, step-by-step instructions.

## 4.1. Tools Required (General)

- Basic hand tools (screwdrivers, wrenches, sockets)
- Trim panel removal tools (plastic pry tools)
- Multimeter (for electrical diagnostics, if needed)

## 4.2. General Installation Steps (Consult Vehicle Manual for Specifics)

1. **Preparation:** Disconnect the negative terminal of the vehicle's battery.
2. **Door Panel Removal:** Carefully remove the interior door panel. This usually involves removing screws, clips, and disconnecting electrical connectors for switches.
3. **Access Window Regulator:** Remove any vapor barriers or access covers to expose the window regulator and motor assembly.
4. **Secure Window:** Temporarily secure the window glass in the up position using tape or wedges to prevent it from falling.
5. **Remove Old Motor:** Disconnect the electrical connector from the old motor. Unbolt the old motor from the window regulator assembly. Note the orientation for the new motor.
6. **Install New Motor:** Align the Cardone 82-178 motor with the window regulator gears and bolt it into place. Ensure a secure fit.
7. **Connect Electrical:** Reconnect the electrical connector to the new motor.
8. **Test Operation:** Reconnect the vehicle battery. Test the window's up and down operation before reassembling the door panel. Ensure smooth movement and proper sealing.
9. **Reassembly:** Reinstall any access covers, vapor barriers, and the interior door panel in reverse order of removal. Reconnect all electrical switches.

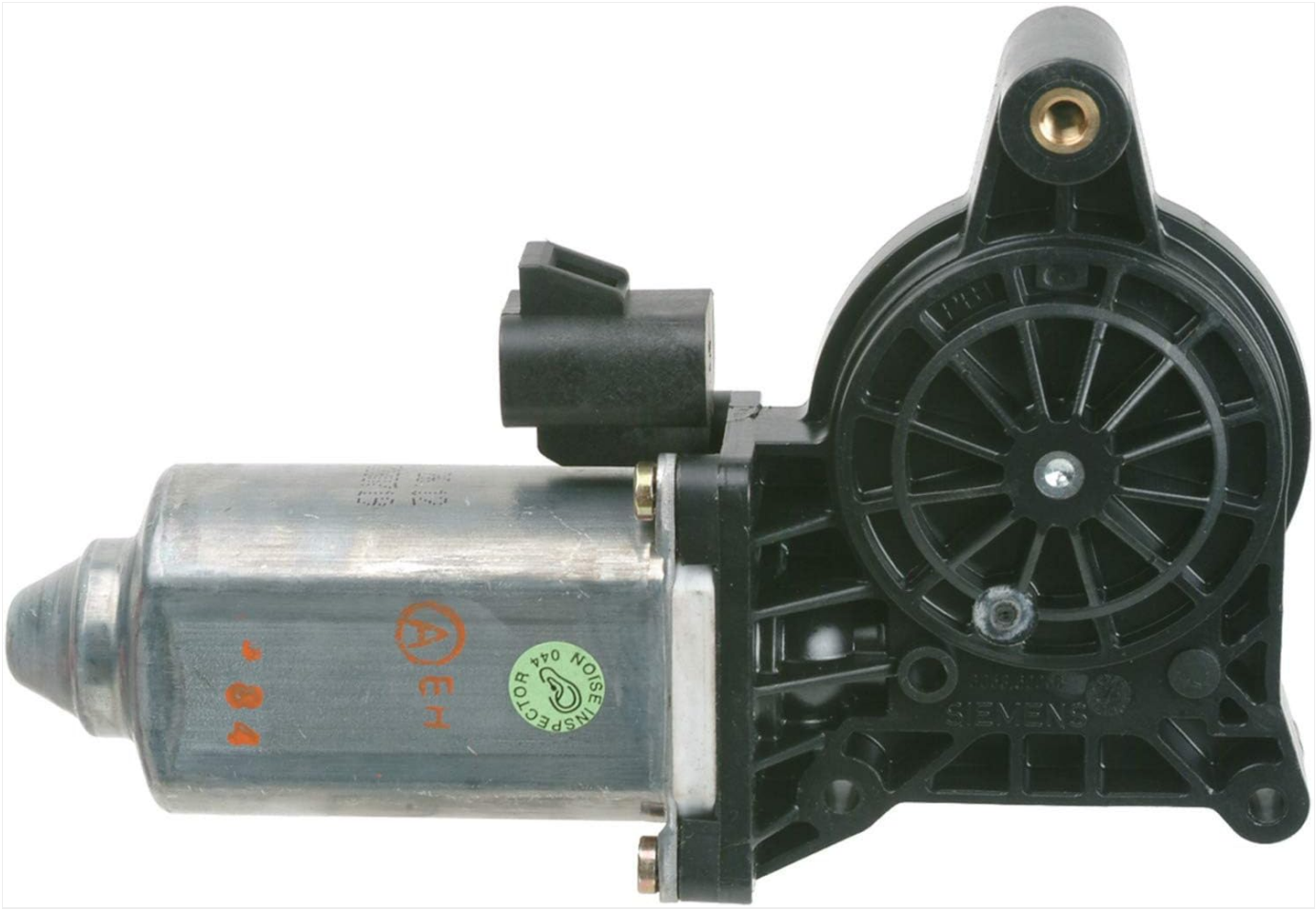



Image 2: Side view of the Cardone 82-178 Window Lift Motor, showing the motor housing and mounting points. This angle highlights the compact design.

## 5. Operation

Once installed, the Cardone 82-178 Window Lift Motor operates in conjunction with your vehicle's power window switch. Pressing the switch will activate the motor, causing the window glass to move up or down. Ensure the window moves smoothly without obstruction.

- **Normal Function:** The window should move consistently and without excessive noise or hesitation.
- **Obstruction Detection:** Modern vehicles may have safety features that stop or reverse window movement if an obstruction is detected.

## 6. Maintenance

The Cardone 82-178 Window Lift Motor is designed for long-term, maintenance-free operation. However, periodic checks of the overall window system can help ensure its longevity:

- **Window Tracks:** Keep window tracks clean and free of debris. Lubricate with a silicone-based lubricant if the window movement becomes stiff.
- **Electrical Connections:** Periodically inspect electrical connections for corrosion or looseness.
- **Door Panel Integrity:** Ensure the door panel is securely fastened to prevent vibrations that could affect the motor or regulator.

## 7. Troubleshooting

If you experience issues with your window lift motor, consider the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---|---|---|
| Window does not move | Blown fuse, faulty switch, wiring issue, motor failure | Check vehicle fuse box. Test window switch. Inspect wiring for damage. If motor is new and correctly installed, re-verify connections. |
| Window moves slowly or with difficulty | Dirty/dry window tracks, worn regulator, low voltage, motor strain | Clean and lubricate window tracks. Inspect window regulator for damage. Check vehicle battery and charging system. |
| Grinding or clicking noise | Damaged regulator gears, motor gear misalignment | Inspect the window regulator and motor gears for damage or improper engagement. |

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




Image 3: Angled view of the Cardone 82-178 Window Lift Motor, providing a different perspective of the motor and gear housing. This view helps in identifying the component's overall shape and connection points.

## 8. Specifications

| Feature | Detail |
|---|---|
| Brand | Cardone |
| Model Number | 82-178 |
| Item Weight | 1.57 pounds |
| Product Dimensions | 7.25 x 4.13 x 4.5 inches |

| Feature | Detail |
| --- | --- |
| Manufacturer Part Number | 82-178 |
| OEM Part Numbers | 15077722, 15135970, 89044536, 15077722, 15077853, 15095843, 15135970, 15135972, 15755431, 15757400, 15757405, 19120846, 88937199, 88981018, 89044536 |

## 9. Warranty and Support

For specific warranty information regarding your Cardone 82-178 Window Lift Motor, please refer to the documentation included with your purchase or visit the official Cardone website. For technical support or further assistance, please contact Cardone customer service.
You can find more information about Cardone products and support at theCardone Store on Amazon.

© 2025 Cardone. All rights reserved.


### 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