Cardone 43-3404

Cardone 43-3404 Remanufactured Wiper Motor User Manual

1. Introduction

This manual provides essential information for the Cardone 43-3404 Remanufactured Wiper Motor. It is designed to assist users and professional installers in understanding the product's features, proper installation, and general care. Adhering to these guidelines will help ensure the motor's reliable operation and extended service life.

2. Product Overview

The Cardone 43-3404 is a remanufactured wiper motor designed for import vehicles. It serves as a direct replacement for the original equipment (OE) wiper motor, restoring the functionality of the vehicle's windshield wiper system. Remanufactured parts undergo a rigorous process to ensure they meet or exceed OE performance standards.

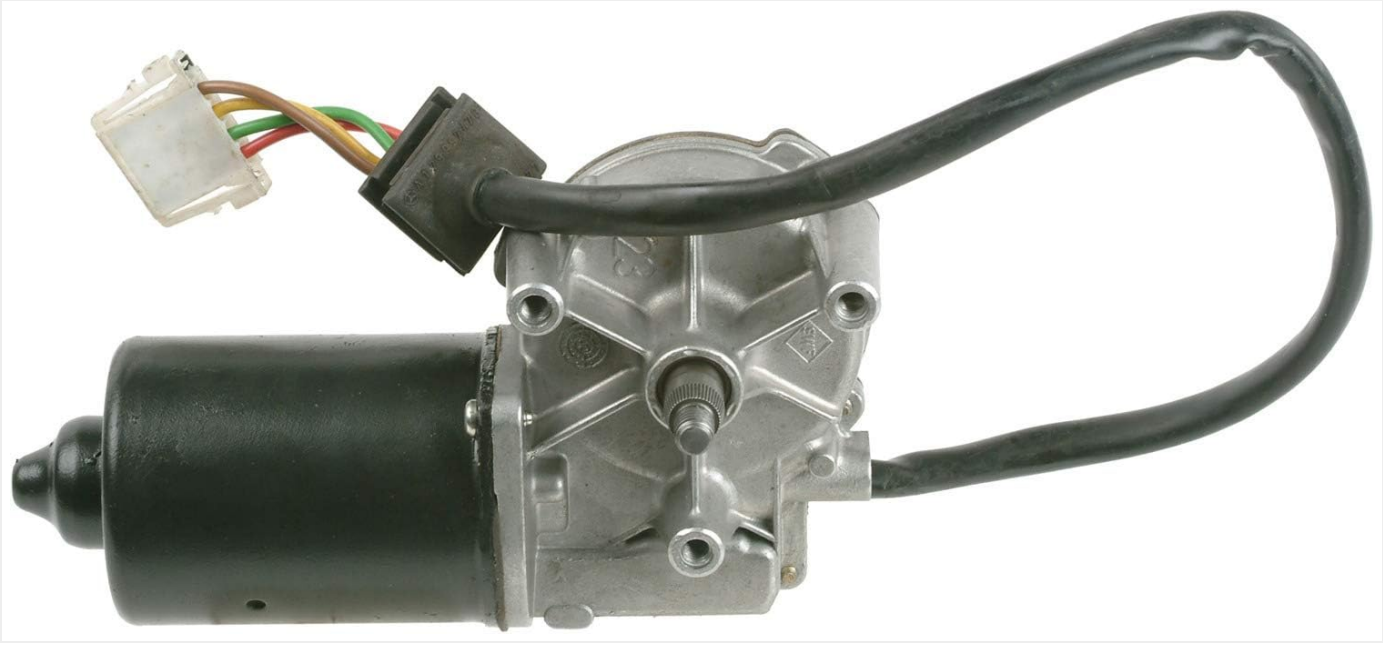


Figure 2.1: Front view of the Cardone 43-3404 Remanufactured Wiper Motor, showing the main motor housing and output shaft.

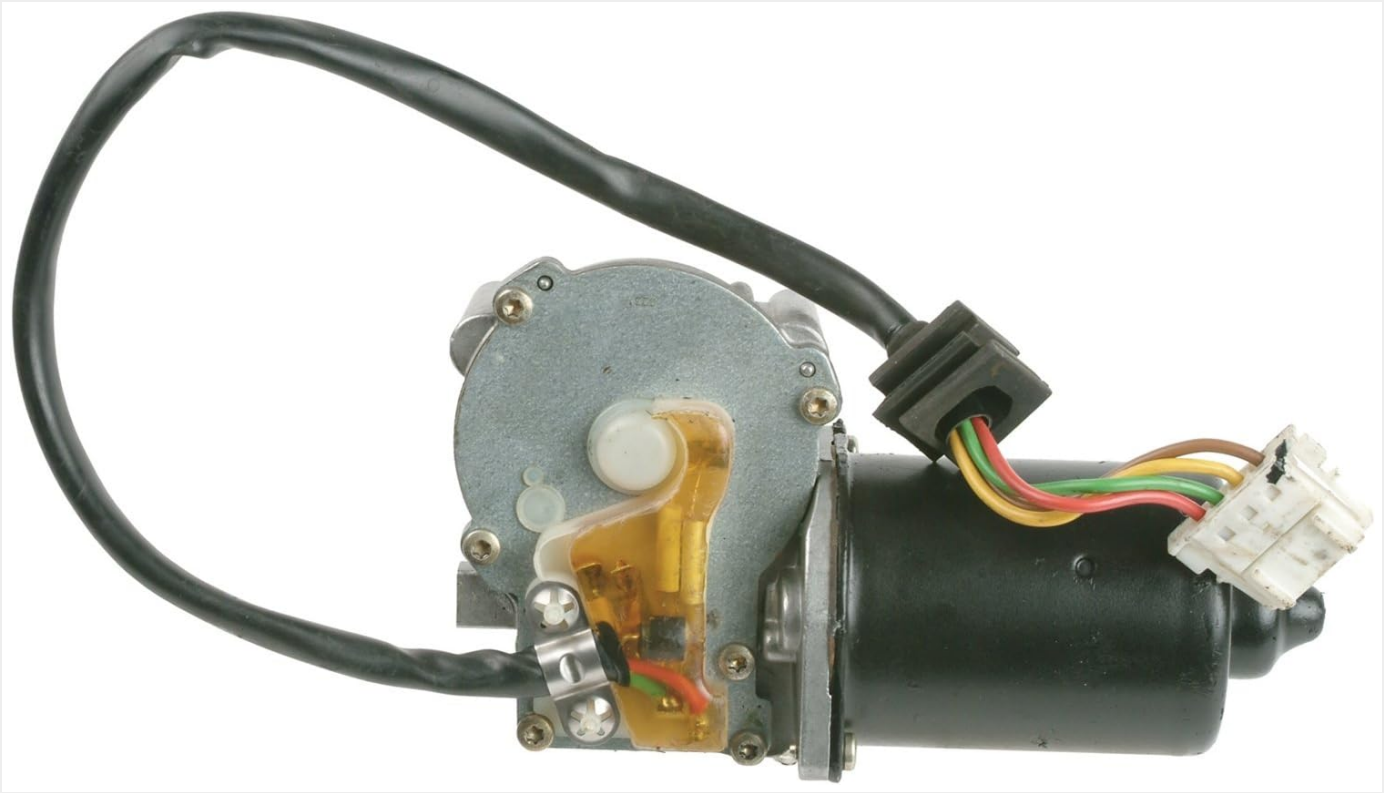


Figure 2.2: Back view of the Cardone 43-3404 Remanufactured Wiper Motor, illustrating the electrical connector and wiring harness.

3. Features

- **Computer Tested:** Each unit undergoes 100% computer testing at three critical points during the manufacturing process to guarantee consistent performance.
- **Optimized Lubrication:** Motors are assembled with a precise amount of lubricant to ensure quiet operation and extended product life.
- **Recharged Magnets:** Motor magnets are 100% recharged to achieve original equipment (OE) performance and reliability.

4. Setup and Installation

Installation of a wiper motor typically involves working with electrical components and mechanical linkages within the vehicle's engine bay or cowl area. Due to the complexity and safety considerations, it is highly recommended that installation be performed by a qualified automotive technician.

General Installation Considerations:

- **Safety First:** Always disconnect the vehicle's battery before beginning any electrical work.
- **Tools:** Ensure you have the correct tools for removing and installing fasteners, electrical connectors, and wiper arms.
- **Electrical Connections:** Verify that all electrical connections are secure and free from corrosion. Ensure the correct wiring harness is used and properly connected.
- **Mechanical Linkages:** Confirm that the wiper motor's output shaft properly engages with the wiper linkage system. Incorrect alignment can lead to improper wiper operation or damage.
- **Testing:** After installation, test the wiper system thoroughly in all speed settings and ensure the wipers park correctly.

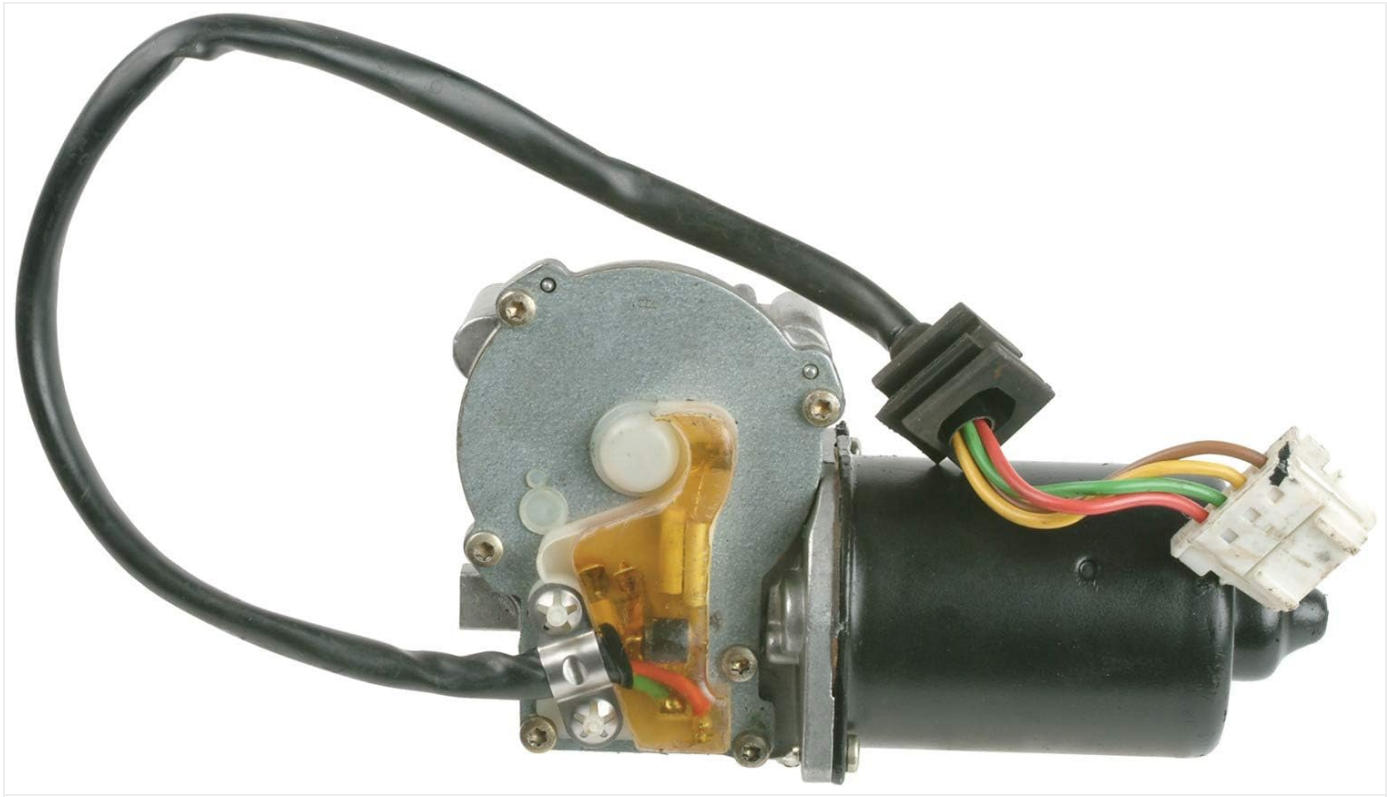


Figure 4.1: Side view of the wiper motor, highlighting the mounting points for secure installation.

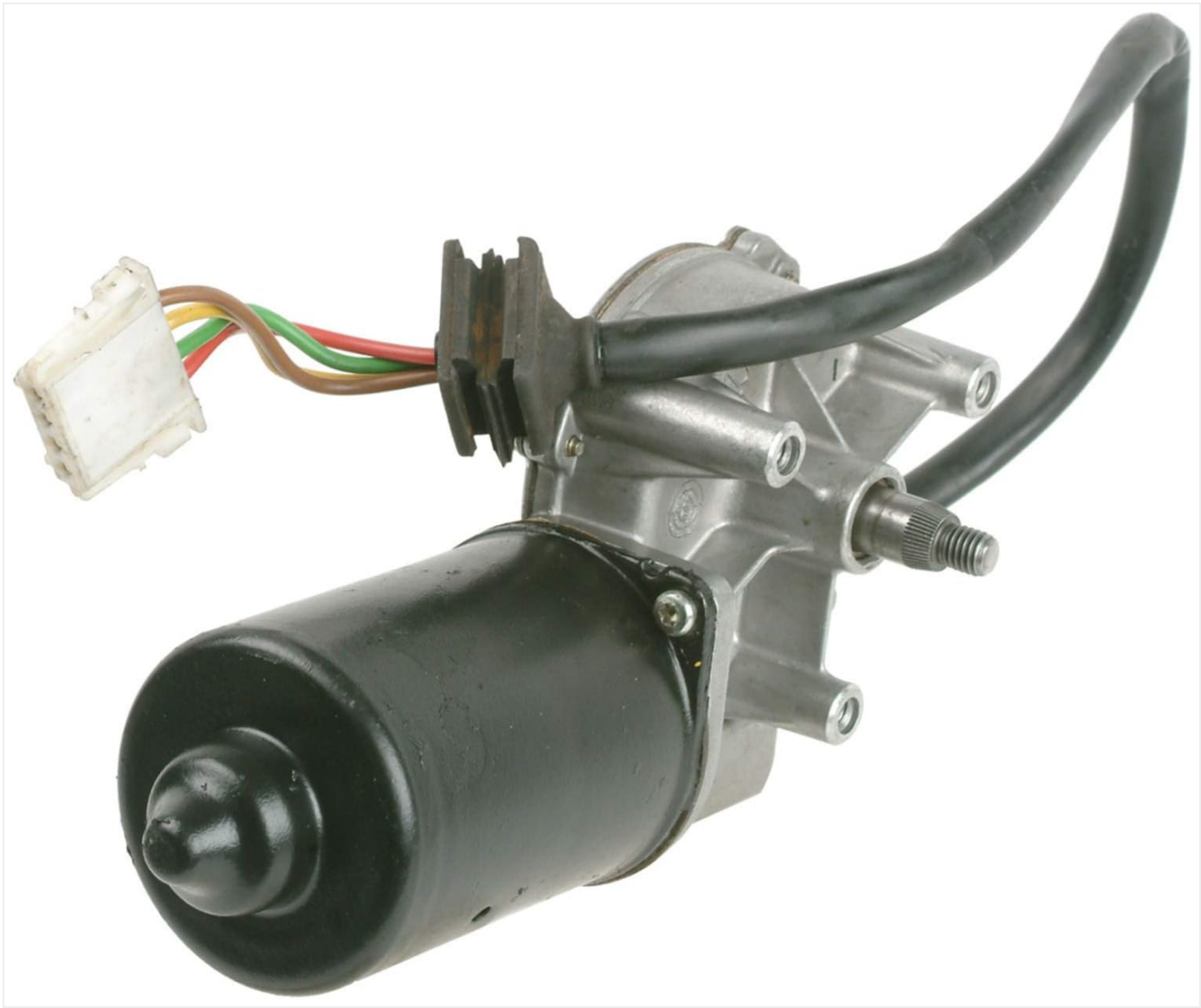


Figure 4.2: Another side view, detailing the electrical connection area and part of the motor casing.

5. Operation

The Cardone 43-3404 Wiper Motor is an integral component of your vehicle's windshield wiper system. Once properly installed, its operation is controlled by the vehicle's wiper switch, typically located on the steering column or dashboard. The motor converts electrical energy into mechanical motion, driving the wiper linkage to move the wiper blades across the windshield at various speeds (intermittent, low, high) and returning them to their park position when turned off.

6. Maintenance

As a sealed unit, the Cardone 43-3404 Remanufactured Wiper Motor requires minimal direct maintenance. However, regular inspection of the surrounding components can contribute to its longevity:

- **Wiper Linkage:** Periodically check the wiper linkage for any signs of wear, rust, or binding. A stiff linkage can put undue strain on the wiper motor.
- **Electrical Connections:** Ensure the electrical connector remains clean, dry, and securely attached to the motor.
- **Wiper Blades:** Replace worn wiper blades regularly. Worn blades can cause excessive friction and strain on the motor.
- **Debris:** Keep the cowl area (where the wiper motor is often located) free of leaves, dirt, and other debris that could impede wiper arm movement or clog drainage.

7. Troubleshooting

If you experience issues with your wiper system after installing the Cardone 43-3404 Wiper Motor, consider the following:

- **Wipers Not Moving:**
  - Check the vehicle's fuse for the wiper system.
  - Verify that the electrical connector to the motor is fully seated and free of corrosion.
  - Ensure the wiper switch is functioning correctly.
- **Wipers Moving Slowly or Intermittently:**
  - Inspect the wiper linkage for binding or excessive friction. Lubricate pivot points if necessary.
  - Check for proper voltage supply to the motor.
- **Wipers Not Parking Correctly:**
  - This often indicates an issue with the motor's internal park switch or improper installation of the wiper arms relative to the park position.
  - Ensure the motor's electrical connections are secure, as a loose ground can affect parking.
- **Unusual Noises:**
  - Noises can indicate issues with the motor's internal gears, the wiper linkage, or interference with surrounding components.
  - If the noise persists, professional diagnosis is recommended.

For complex issues or if basic troubleshooting does not resolve the problem, it is advisable to consult a certified automotive technician.

8. Specifications

Attribute	Value
Brand	Cardone
Manufacturer	A1 Cardone
Model Number	43-3404
Manufacturer Part Number	43-3404
OEM Part Number	2038200342
Item Weight	1 pounds
Product Dimensions	7.38 x 4.63 x 5.5 inches
Country of Origin	USA
UPC	082617751308

9. Warranty Information

Specific warranty terms and conditions for the Cardone 43-3404 Remanufactured Wiper Motor are provided by the manufacturer, A1 Cardone. Please refer to the warranty documentation included with your purchase or visit the official Cardone website for detailed information regarding coverage, duration, and claims procedures.

10. Support

For technical assistance, installation questions, or warranty claims related to your Cardone 43-3404 Remanufactured Wiper Motor, please contact A1 Cardone customer support directly. Contact information can typically be found on their official website or on the product packaging.

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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.

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