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Cardone 43-4379

Cardone 43-4379 Remanufactured Import Wiper Motor

Instruction Manual

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Cardone 43-4379 Remanufactured Import Wiper Motor. This product is engineered to restore the functionality of your vehicle's windshield wiper system, meeting or exceeding original equipment (OE) performance standards. Cardone's remanufacturing process focuses on quality and environmental responsibility, ensuring a reliable and sustainable solution for your automotive needs.

2. Safety Information

Always prioritize safety when working on your vehicle. Failure to follow these guidelines may result in injury or damage to the vehicle.

- **Disconnect Battery:** Before beginning any work, disconnect the vehicle's negative battery terminal to prevent electrical shorts or accidental activation.
- **Wear Protective Gear:** Always wear appropriate personal protective equipment, including safety glasses and gloves.
- **Secure Vehicle:** Ensure the vehicle is on a level surface and properly supported if lifting is required.
- **Consult Professional:** If you are unsure about any step of the installation process, consult a qualified automotive technician.
- **Hot Components:** Engine components can be hot. Allow sufficient time for the engine to cool before working in the engine bay.

3. Product Overview

The Cardone 43-4379 Wiper Motor is a remanufactured unit designed for specific import vehicle applications. It undergoes a rigorous remanufacturing process to ensure optimal performance and durability.



Figure 3.1: Front view of the Cardone 43-4379 Remanufactured Wiper Motor. This image shows the main body of the motor and the output arm.

Figure 3.2: Rear view of the Cardone 43-4379 Remanufactured Wiper Motor, highlighting the electrical connector and mounting points.



Figure 3.3: Angled view of the Cardone 43-4379 Wiper Motor, showing the motor housing and the linkage attachment point.

Key Features:

- **Computer Tested:** Each unit undergoes 100% computer testing at three stages of the manufacturing process to ensure consistent performance.
- **Optimized Lubrication:** Motors are assembled with a precise amount of lubricant, contributing to quiet operation and extended service life.
- **OE Performance Magnets:** Motor magnets are 100% recharged to deliver original equipment performance and reliability.

Benefits of Remanufacturing:

Choosing a remanufactured part like the Cardone 43-4379 contributes to environmental sustainability and offers a cost-effective solution without compromising quality.



Figure 3.4: Illustration of the environmental benefits of remanufacturing. Remanufactured parts save significant energy and raw materials compared to new production.

4. Specifications

Specification	Value
Manufacturer	A1 Cardone
Brand	Cardone
Item Weight	2.75 pounds
Product Dimensions	7.38 x 4.63 x 5.5 inches
Item Model Number	43-4379
Manufacturer Part Number	43-4379

Specification	Value
OEM Part Number	28800JK61A
UPC	082617838467

5. Setup (Installation)

The installation of a wiper motor typically involves removing the old unit and installing the new one. Specific steps may vary by vehicle make and model. Always refer to your vehicle's service manual for detailed, vehicle-specific instructions.

General Installation Steps:

1. **Prepare Vehicle:** Park the vehicle on a level surface, engage the parking brake, and disconnect the negative battery terminal.
2. **Access Wiper Motor:** Depending on your vehicle, this may involve removing wiper arms, cowl trim, or other components to gain access to the wiper motor assembly.
3. **Disconnect Electrical Connector:** Carefully disconnect the electrical connector from the old wiper motor.
4. **Remove Old Motor:** Unbolt the old wiper motor from its mounting bracket and detach it from the wiper linkage. Note the orientation for reassembly.
5. **Install New Motor:** Attach the Cardone 43-4379 Wiper Motor to the wiper linkage and secure it to the mounting bracket using the appropriate fasteners. Ensure all connections are tight.
6. **Connect Electrical:** Reconnect the electrical connector to the new wiper motor.
7. **Test Functionality:** Before reassembling all trim, reconnect the battery and test the wiper motor's operation through all speed settings. Ensure wipers move smoothly and park correctly.
8. **Reassemble:** Once confirmed operational, reassemble any removed trim or components.

> **Important:** Incorrect installation can lead to wiper system malfunction. If you are not confident in performing this installation, it is recommended to seek assistance from a certified mechanic.

6. Operating

The Cardone 43-4379 Wiper Motor is designed to operate seamlessly with your vehicle's existing wiper control system. Once installed, the motor will respond to the commands from your vehicle's wiper switch, providing various speeds and intermittent settings as designed by the original manufacturer.

Basic Operation:

- **Wiper Switch:** Use your vehicle's dashboard or steering column-mounted wiper switch to activate the windshield wipers.
- **Speed Settings:** Select desired wiper speed (e.g., intermittent, low, high) according to weather conditions.
- **Parking Position:** When turned off, the wiper motor will return the wiper arms to their designated park position at the bottom of the windshield.

7. Maintenance

The Cardone 43-4379 Remanufactured Wiper Motor is a sealed unit and generally requires no internal maintenance. However, proper care of the overall wiper system can extend the life and effectiveness of all components, including the motor.

General Wiper System Maintenance:

- **Inspect Wiper Blades:** Regularly check wiper blades for cracks, tears, or hardening. Replace them at least once a year, or more frequently if performance degrades.
- **Clean Windshield:** Keep your windshield clean from dirt, grime, and debris to reduce strain on the wiper motor and blades.
- **Clear Debris:** Ensure the cowl area (where the wiper arms rest) is free of leaves, snow, and ice, which can obstruct wiper movement.
- **Washer Fluid:** Use appropriate windshield washer fluid and keep the reservoir filled.
- **Avoid Dry Wiping:** Do not operate wipers on a dry windshield, as this can damage blades and potentially strain the motor.

8. Troubleshooting

If your windshield wipers are not functioning correctly after installing the Cardone 43-4379 Wiper Motor, consider the following troubleshooting steps:

Symptom	Possible Cause	Solution
Wipers do not move at all	Blown fuse, faulty electrical connection, faulty wiper switch, seized linkage.	Check vehicle's fuse box for a blown wiper fuse and replace if necessary. Verify electrical connector is securely attached to the motor. Inspect wiper linkage for obstructions or damage. Test wiper switch functionality.
Wipers move slowly or intermittently	Low voltage, worn wiper linkage, motor struggling due to obstruction.	Check battery voltage. Inspect wiper linkage for excessive wear or binding. Ensure no debris is obstructing wiper arm movement.
Wipers do not park correctly	Incorrect installation of wiper arms, faulty park switch (internal to motor), linkage issue.	Ensure wiper arms were installed in the correct park position. If the issue persists, it may indicate an internal motor issue or linkage problem requiring professional diagnosis.
Excessive noise from wiper area	Worn wiper blades, dry windshield, faulty linkage, motor issue.	Replace worn wiper blades. Use windshield washer fluid. Inspect linkage for wear or lack of lubrication.

> **Note:** If troubleshooting steps do not resolve the issue, it is recommended to consult a professional automotive technician for further diagnosis and repair.

9. Warranty and Support

For information regarding the warranty coverage for your Cardone 43-4379 Remanufactured Import Wiper Motor, please refer to the official warranty documentation provided with your purchase or visit the Cardone website. Warranty terms and

conditions may vary.
For technical support or further assistance, please contact Cardone customer service through their official website or the retailer from whom the product was purchased.

Cardone Official Website: www.cardone.com

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