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Cardone 60-3003

Cardone 60-3003 Remanufactured CV Axle Instruction Manual

Reliable Performance for Your Vehicle

1. Introduction

This instruction manual provides important information regarding the Cardone 60-3003 Remanufactured Constant Velocity (CV) Axle. It is designed to assist with the proper installation, understanding of its features, and general maintenance to ensure optimal performance and longevity. Please read this manual thoroughly before installation or use.

2. Product Overview and Features

The Cardone 60-3003 Remanufactured CV Axle is engineered for reliable and superior performance in your vehicle. Each unit undergoes a meticulous remanufacturing process to meet or exceed original equipment specifications.

Key Features:

- **Heat-Resistant Grease:** Preserves the life of the boot and internal components.
- **High-Quality Neoprene Boots:** Installed to ensure durability and longevity, protecting against contaminants.
- **Precision Grinding:** High-tech grinding machines preserve the original design of the outer housing, race, and cage.
- **Renewed Threads and Splines:** 100% renewed to ensure proper fit during installation.
- **100% Tested:** Every unit is tested to ensure quality and reliability before leaving the factory.

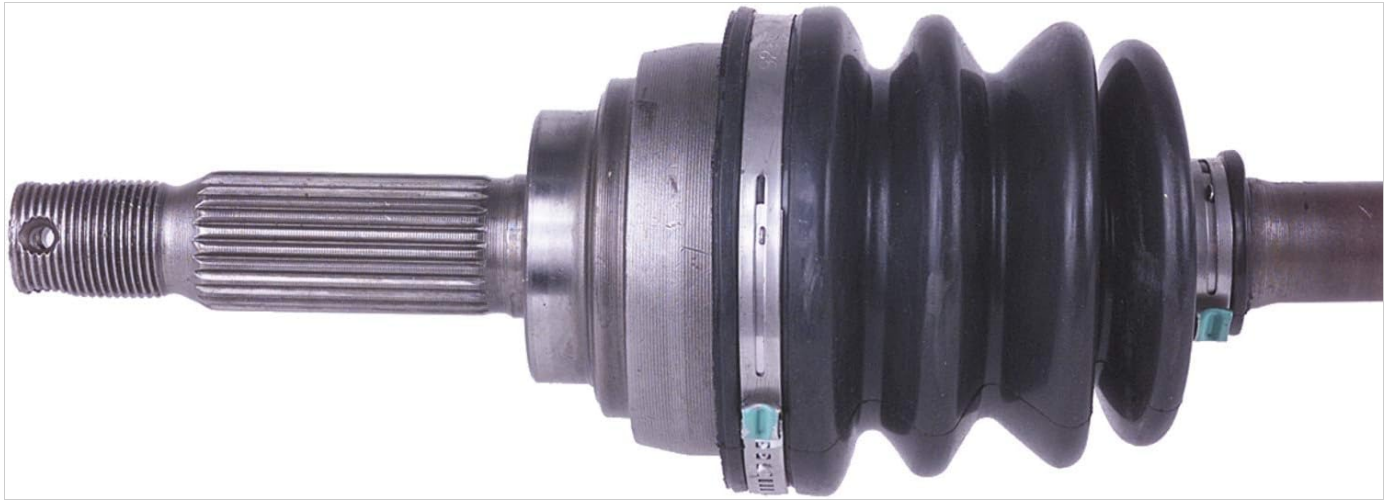


Image 1: Cardone 60-3003 Remanufactured CV Axle, illustrating the complete assembly with boot and splined ends.



Image 2: Detailed view of the Cardone 60-3003 Remanufactured CV Axle, highlighting the inner joint and protective boot.

3. Safety Information

Working on automotive components can be hazardous. Always prioritize safety. It is highly recommended that installation be performed by a certified professional technician.

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands on a level surface before beginning any work. Never rely solely on a jack.
- Disconnect the vehicle's battery before working on electrical components.
- Refer to your vehicle's service manual for specific procedures and torque specifications.
- Keep hands and clothing clear of moving parts.

4. Installation

The installation of a CV axle requires specialized tools and knowledge. If you are not experienced in automotive repair, professional installation is strongly advised.

General Installation Steps (Consult Vehicle Service Manual for Specifics):

1. Safely lift and support the vehicle. Remove the wheel.

2. Remove the axle nut and any retaining clips.
3. Disconnect suspension components as necessary to allow the axle to be removed from the hub.
4. Carefully separate the old CV axle from the transaxle/differential. Be prepared for transmission fluid leakage if applicable.
5. Inspect the transaxle/differential seal and replace if necessary.
6. Install the new Cardone 60-3003 CV Axle, ensuring it seats correctly into the transaxle/differential and the hub.
7. Reconnect all suspension components and tighten fasteners to manufacturer's torque specifications.
8. Install the axle nut and tighten to specification.
9. Reinstall the wheel, lower the vehicle, and check fluid levels if necessary.

5. Operating Considerations

After installation, perform the following checks:

- **Test Drive:** Drive the vehicle slowly at first, listening for any unusual noises (clicks, clunks, vibrations). Gradually increase speed.
- **Steering and Handling:** Ensure normal steering response and vehicle handling.
- **Fluid Levels:** Recheck transmission fluid levels after a short drive if the transaxle seal was disturbed.

If any abnormal noises or handling issues are detected, immediately stop driving and inspect the installation or consult a professional.

6. Maintenance

Regular inspection of your CV axles can help prevent future issues.

- **Boot Inspection:** Periodically inspect the neoprene boots for cracks, tears, or signs of grease leakage. Damaged boots can lead to contamination and premature joint failure.
- **Noise Detection:** Listen for clicking or popping noises, especially when turning or accelerating, which can indicate a failing CV joint.
- **General Vehicle Maintenance:** Ensure proper wheel alignment and tire balance, as these can affect CV axle longevity.

7. Troubleshooting

If you experience issues after installing your Cardone 60-3003 CV Axle, consider the following common problems:

- **Clicking or Popping Noise (especially when turning):** Often indicates a worn or damaged outer CV joint. Ensure proper seating and torque during installation.
- **Clunking Noise (when accelerating or decelerating):** May suggest a worn inner CV joint or loose mounting.
- **Vibration (especially at highway speeds):** Could be due to an unbalanced axle, improper installation, or other vehicle issues (e.g., tire balance, wheel bearing).
- **Grease Leakage:** Indicates a damaged or improperly seated boot. This requires immediate attention to prevent joint failure.

If troubleshooting steps do not resolve the issue, consult a qualified mechanic.

8. Specifications

Specification	Value
Brand	Cardone
Model Number	60-3003
Manufacturer	A-1 Cardone
Product Dimensions	106.68 x 13.34 x 13.67 cm
Item Weight	6.8 kg
OEM Part Numbers	MB176160, MB109180, 4950121011, 4950021250, 4950021250RMM

9. Warranty Information

The Cardone 60-3003 Remanufactured CV Axle is backed by a**three-year warranty**. This warranty covers defects in materials and workmanship under normal use and service. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the official Cardone warranty policy or contact Cardone customer support.

10. Remanufacturing and Core Return

This product is a remanufactured part, which contributes to environmental sustainability by reducing waste and conserving energy. Cardone encourages the return of your old part (core) for remanufacturing. This process saves approximately 85% of the energy and raw materials required to produce a new part.

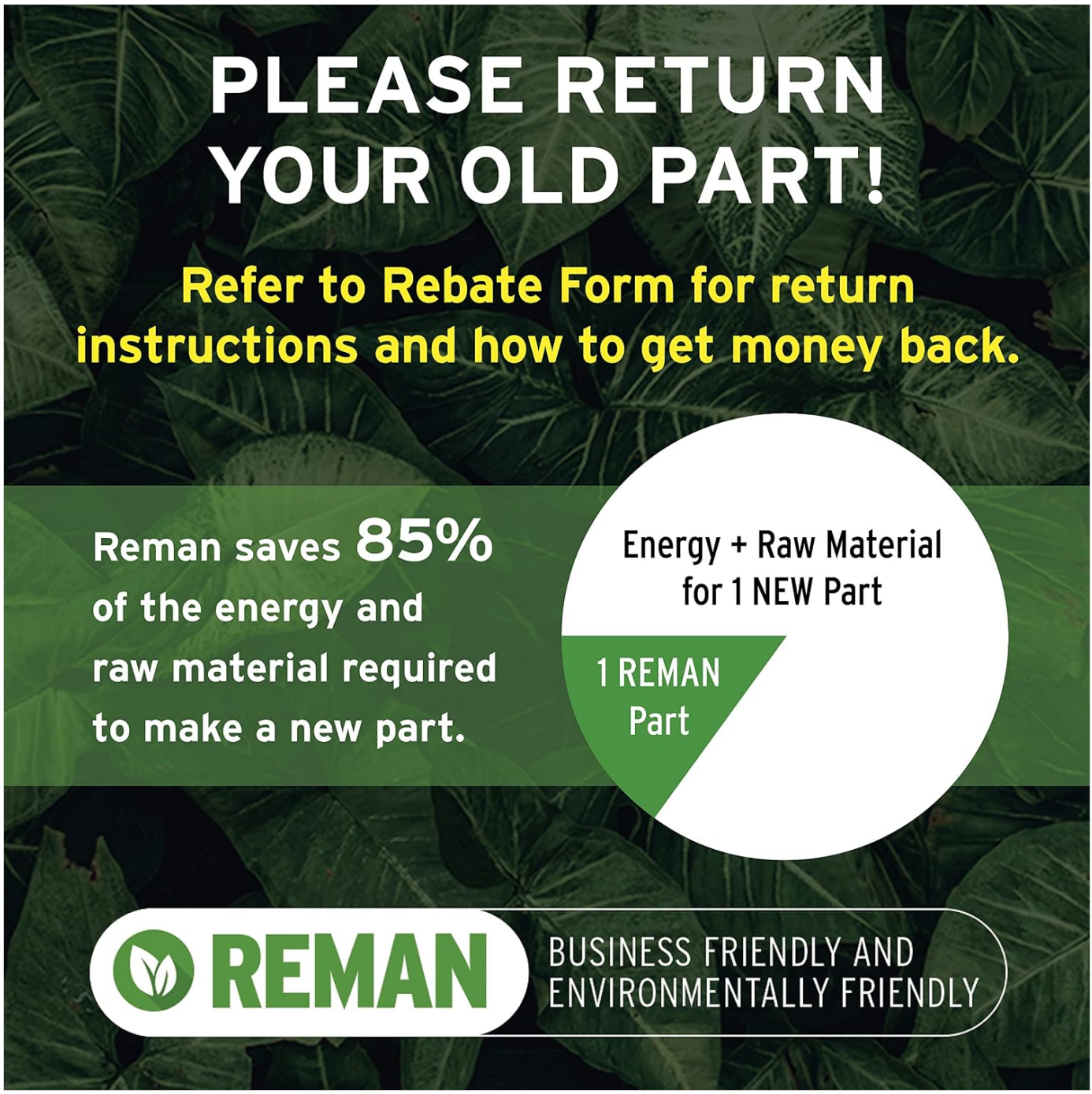


Image 3: Information on returning your old part (core) and the environmental benefits of remanufacturing.

Please refer to the rebate form or contact your retailer for instructions on how to return your old part and any associated core refund process.

11. Support and Contact

For technical assistance, warranty inquiries, or further information regarding the Cardone 60-3003 Remanufactured CV Axle, please contact Cardone customer support or visit their official website. It is recommended to have your product model number and purchase details available when contacting support.

Manufacturer: A-1 Cardone

Place of Business: Philadelphia, PA 19124, US

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