Cardone 60-1073

Cardone 60-1073 Remanufactured CV Axle User Manual

Comprehensive guide for installation, maintenance, and troubleshooting.

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Cardone 60-1073 Remanufactured CV Axle. Please read this manual thoroughly before beginning any work to ensure safety and optimal performance.

The Cardone 60-1073 is a remanufactured Constant Velocity (CV) Drive Axle designed for reliable performance in your vehicle's drivetrain system. It features heat-resistant grease, high-quality neoprene boots, and renewed threads and splines for a precise fit.

2. Safety Information

WARNING:

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, when working on vehicle components.
- Ensure the vehicle is securely supported on jack stands before working underneath it. Never rely solely on a jack.
- Disconnect the vehicle's battery before performing any electrical work.
- Refer to your vehicle's specific service manual for detailed removal and installation procedures, torque specifications, and safety precautions.
- Improper installation can lead to serious injury or vehicle damage. If you are unsure about any step, consult a qualified mechanic.

3. Product Overview

The Cardone 60-1073 Remanufactured CV Axle is a complete assembly ready for installation. It consists of the following key components:

- **Outer CV Joint:** Connects to the wheel hub.
- **Inner CV Joint:** Connects to the transmission/transaxle.

- **Axle Shaft:** The main shaft connecting the inner and outer joints.
- **CV Boots:** Protective rubber bellows that seal in grease and keep out contaminants.
- **Axle Nut:** Secures the outer CV joint to the wheel hub.



Figure 1: Overview of the Cardone 60-1073 Remanufactured CV Axle. This image displays the complete axle assembly, including the inner and outer CV joints, the axle shaft, and the protective boots.

4. Setup and Installation

This section provides a general guide for installing the CV Axle. Always consult your vehicle's specific service manual for precise instructions and torque specifications.

Required Tools:

- Socket set and ratchet
- Torque wrench
- Breaker bar
- Pry bar
- Hammer/Mallet
- Jack and jack stands
- Drain pan (for transmission fluid, if applicable)
- New cotter pins (if applicable)

Installation Steps:

1. **Prepare Vehicle:** Park the vehicle on a level surface, engage the parking brake, and loosen the lug nuts on the wheel where the axle will be replaced.
2. **Lift and Secure:** Jack up the vehicle and support it securely with jack stands. Remove the wheel.
3. **Remove Axle Nut:** Remove the cotter pin (if present) and then the large axle nut securing the CV axle to the wheel hub. This may require a breaker bar.
4. **Disconnect Suspension Components:** Depending on your vehicle, you may need to disconnect steering tie rods, lower ball joints, or other suspension components to allow enough clearance to remove the axle.
5. **Separate Outer CV Joint:** Push the wheel hub assembly away from the vehicle to slide the outer CV joint out of the hub.
6. **Remove Inner CV Joint:** Place a drain pan under the transmission/transaxle to catch any fluid. Use a pry bar to carefully dislodge the inner CV joint from the transmission/transaxle. Be careful not to damage the transmission seal.
7. **Install New Axle:** Carefully insert the new Cardone CV axle's inner joint into the transmission/transaxle until it clicks into place. Ensure the retaining clip (if present) engages properly.
8. **Connect Outer CV Joint:** Guide the outer CV joint through the wheel hub.
9. **Reassemble Suspension:** Reconnect all disconnected suspension and steering components.

10. **Install Axle Nut:** Install the new axle nut and tighten it to the vehicle manufacturer's specified torque. Install a new cotter pin if required.
11. **Refill Fluid:** Check and refill transmission fluid if any was lost during removal.
12. **Final Checks:** Reinstall the wheel, lower the vehicle, and tighten lug nuts to specification. Test drive the vehicle slowly to ensure proper function.

5. Operating Considerations

Once installed, the Cardone CV Axle operates as an integral part of your vehicle's drivetrain. Proper installation ensures smooth power transfer to the wheels.

Initial Checks After Installation:

- Listen for any unusual noises (clicks, clunks, vibrations) during initial driving, especially when turning.
- Visually inspect the CV boots for any signs of damage or leaks after a short drive.
- Ensure all fasteners are properly tightened to specified torque values.

6. Maintenance

The Cardone 60-1073 CV Axle is designed for long-term performance with minimal maintenance. However, periodic inspection is recommended.

Recommended Maintenance:

- **Regular Inspection:** During routine vehicle maintenance (e.g., oil changes, tire rotations), visually inspect the CV boots for cracks, tears, or signs of grease leakage. Damaged boots can lead to joint failure.
- **Boot Replacement:** If a boot is damaged, it should be replaced promptly to prevent contamination and premature wear of the CV joint.
- **Cleanliness:** Keep the area around the CV axles clean to prevent debris from damaging the boots.

7. Troubleshooting

If you experience issues after installing your CV Axle, refer to the common symptoms and potential causes below:

Symptom	Possible Cause	Solution
Clicking or popping noise when turning	Worn or damaged outer CV joint	Inspect and replace CV axle if necessary.
Clunking noise during acceleration or deceleration	Worn or damaged inner CV joint	Inspect and replace CV axle if necessary.
Vibration during acceleration	Bent axle shaft, worn inner CV joint, or improper installation	Inspect axle for damage, ensure proper seating of inner joint.
Grease leaking from boots	Damaged or cracked CV boot	Replace damaged CV boot promptly to prevent joint failure.

If troubleshooting steps do not resolve the issue, contact Cardone customer support or a qualified mechanic.

8. Specifications

Feature	Detail
Model Number	60-1073
Manufacturer Part Number	601073
Brand	Cardone
Item Weight	16.3 pounds
Product Dimensions	29.5 x 5 x 5 inches
Key Features	Heat resistant grease, high-quality neoprene boots, 100% renewed threads and splines, 100% tested.

9. Warranty Information

The Cardone 60-1073 Remanufactured CV Axle is backed by a **three-year warranty**. This warranty covers defects in materials and workmanship under normal use and service.
For specific warranty terms, conditions, and claim procedures, please refer to the official Cardone warranty documentation or visit the Cardone Store on Amazon.

10. Support

For technical assistance, product inquiries, or warranty claims, please contact Cardone customer support:

- **Online:** Visit the official Cardone website for support resources and contact forms.
- **Phone:** Refer to the contact information provided on Cardone's official website or product packaging.
- **Amazon Store:** You can also find more information and contact options through theCardone Store on Amazon.

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