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Cardone 60-5285

Instruction Manual for Cardone 60-5285 Remanufactured CV Constant Velocity Drive Axle Shaft

Model: 60-5285

Product Overview

The Cardone 60-5285 Remanufactured CV Constant Velocity Drive Axle Shaft is engineered to meet or exceed Original Equipment (O.E.) performance. This unit is designed to provide a perfect vehicle fit, ensuring reliable operation and longevity. Cardone's remanufacturing process focuses on addressing common failure points of original CV axles to enhance durability.

Key Features

- **Guaranteed Fit:** As a remanufactured Original Equipment part, this unit guarantees a perfect vehicle fit.
- **Enhanced Boot Durability:** Neoprene boots are designed for excellent environmental stress resistance, which helps eliminate cracking, a leading cause of boot failure.
- **Secure Boot Clamps:** Boot clamps are pneumatically crimped, creating a perfect seal between the boot and housing to prevent contamination.
- **Reliable Performance:** High-tech grinding machines maintain the original design of the outer housing, race, and cage to guarantee reliable performance.
- **Environmentally Friendly:** The remanufacturing process is earth-friendly, reducing the energy and raw material needed to make a new part by 80%.



Figure 1: Full view of the Cardone 60-5285 Remanufactured CV Constant Velocity Drive Axle Shaft, showing both ends and the central shaft.



Figure 2: Detailed view of one end of the CV axle, highlighting the splined shaft and the neoprene boot with its clamps.



Figure 3: Detailed view of the opposite end of the CV axle, showing the outer joint assembly and its protective boot.

Setup and Installation

Installation of a CV (Constant Velocity) drive axle shaft requires specialized tools and mechanical knowledge. It is highly recommended that installation be performed by a certified automotive technician to ensure proper fitment and safe operation. Incorrect installation can lead to premature part failure, damage to other vehicle components, or unsafe driving conditions.

General Installation Steps (Consult Service Manual for Specific Vehicle)

1. **Vehicle Preparation:** Safely lift and support the vehicle. Remove the wheel and tire assembly.
2. **Disassembly:** Disconnect necessary suspension components and brake lines to allow for removal of the old CV axle.
3. **Axle Removal:** Carefully remove the old CV axle from the transmission/transaxle and the wheel hub assembly.
4. **Inspection:** Inspect mating surfaces and seals for damage or wear. Replace any worn components as necessary.
5. **New Axle Installation:** Insert the new Cardone CV axle into the transmission/transaxle, ensuring it seats correctly. Then, guide the outer end into the wheel hub assembly.
6. **Reassembly:** Reconnect all suspension components, brake lines, and secure the axle nut to the manufacturer's specified torque.
7. **Final Checks:** Reinstall the wheel and tire. Lower the vehicle and perform a test drive to ensure proper function and no abnormal noises or vibrations.

Note: Always refer to your vehicle's specific service manual for detailed, step-by-step instructions, torque specifications,

and safety precautions.

Operation

The CV drive axle shaft is a critical component of your vehicle's drivetrain, responsible for transmitting power from the transmission/transaxle to the wheels while accommodating the up-and-down motion of the suspension and the steering angle of the wheels. Once properly installed, the Cardone 60-5285 CV axle operates automatically as part of your vehicle's normal driving functions.
This remanufactured axle is designed to provide smooth, vibration-free performance at all speeds, thanks to individual verification for straightness and high-quality grease that withstands high-temperature and high-torque demands.

Maintenance

While the Cardone 60-5285 CV axle is designed for long-lasting performance, regular inspection can help identify potential issues early and extend its lifespan. The primary maintenance consideration for CV axles involves the protective boots.

Recommended Maintenance Checks:

- **Visual Inspection of Boots:** Periodically inspect the neoprene boots on both ends of the CV axle for any signs of cracking, tearing, or punctures. Damage to the boots can allow dirt, water, and debris to enter the joint, leading to premature wear and failure of the CV joint.
- **Check for Grease Leaks:** Look for any signs of grease leaking from the boots or around the clamps. A grease leak indicates a compromised boot or clamp, which requires immediate attention.
- **Listen for Abnormal Noises:** Pay attention to any clicking, popping, or clunking noises, especially when turning or accelerating. These sounds can indicate a worn or damaged CV joint.

If any damage to the boots or signs of wear are observed, it is recommended to have the axle inspected by a qualified technician. Early detection and repair can prevent more costly damage.

Troubleshooting

If you experience issues that you suspect are related to your CV drive axle, consult the following common symptoms. Note that these symptoms can also be indicative of other vehicle problems, so professional diagnosis is recommended.

Common Symptoms of CV Axle Issues:

Symptom	Possible Cause (CV Axle Related)	Action
Clicking or popping noise when turning	Worn outer CV joint	Inspect outer CV joint and boot. Consider replacement if worn.
Clunking noise on acceleration or deceleration	Worn inner CV joint	Inspect inner CV joint and boot. Consider replacement if worn.
Vibration during driving, especially at higher speeds	Bent axle shaft, worn inner CV joint, or unbalanced axle	Have axle inspected for straightness and balance. Check for worn joints.

Symptom	Possible Cause (CV Axle Related)	Action
Grease on the inside of the wheel or undercarriage	Damaged or torn CV boot	Inspect boots immediately. Replace boot or entire axle if joint is contaminated.

If you experience any of these symptoms, it is crucial to have your vehicle inspected by a qualified mechanic to diagnose the exact cause and perform necessary repairs.

Specifications

Attribute	Value
Manufacturer	Cardone
Brand	Cardone
Item Weight	16.66 pounds
Product Dimensions	29.5 x 5 x 5 inches
Item Model Number	60-5285
Manufacturer Part Number	60-5285
OEM Part Number	434200W280, 434200W280
ASIN	B004ZK3UQ2
Date First Available	May 6, 2011

Warranty and Support

For specific warranty information regarding your Cardone 60-5285 Remanufactured CV Constant Velocity Drive Axle Shaft, please refer to the documentation provided with your purchase or visit the official Cardone website. Warranty terms typically cover defects in materials and workmanship under normal use.
For technical support, installation assistance, or to inquire about warranty claims, please contact Cardone customer service directly. Contact information can usually be found on the product packaging or on the manufacturer's official website.
Online Resources:

- Cardone Official Website
- Product Page on Amazon.com

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