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Rough Country 5083.1 Installation Instructions

CV Drive Shaft for GMC Sierra 1500 Denali AWD (2002–2013)

Part number: 5083.1

trailfortress.com/cv-drive-shaft-gmc-sierra-1500-denali-awd-rough-country-5083-1

Scan for fitment, price and install help

92RC5082

88-06 GM 1500 FRONT DRIVESHAFT

Thank you for choosing Rough Country for your suspension needs.

Rough Country recommends a certified technician installs this component. In addition to these instructions, professional knowledge of disassemble/reassembly procedures as well as post installation checks must be known. Attempts to install this component without this knowledge and expertise may jeopardize the integrity and/or operating safety of the vehicle. Please read all the instructions before beginning the installation. Be sure you have all the needed parts and understand where they go. If you have any questions please call us at 800-222-7023.

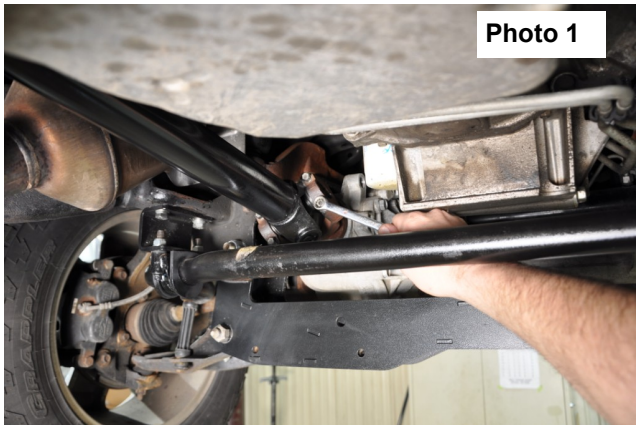
⚠WARNING Make sure the drive shaft does not pull apart at the splines while installing, this can cause the driveshaft to become out of balance and vibrate while on the jeep.

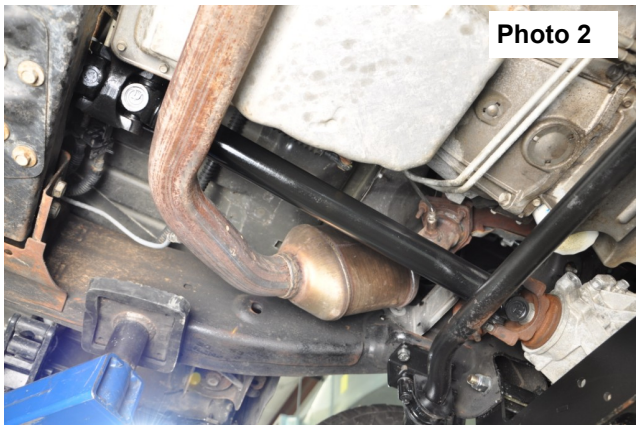
Tools Needed
11mm wrench
Crimping Pliers
Grease Gun
Grease Needle



Installation Instructions

1. Remove the u-joint straps from the factory front driveshaft with a 11mm wrench on the diff side. Save factory hardware. **See Photo 1.**
2. Push the end of the driveshaft out of the yoke and raise it above the diff tube. Slide the drive shaft forward to remove the splined end of the shaft from the transfer case.
3. Unbuckle the clamp holding the boot to the factory driveshaft. Slide the factory boot over the splines of the new driveshaft. Recrimp the buckle with crimping pliers or use zip ties to hold the boot in place.
4. Inspect the new driveshaft before installing, check to make sure all grease fittings and snap ring are in place.
5. Install the splined yoke on the transfer case and recrimp or zip tie the boot. Install the u-joint into the yoke of the front diff and tighten with a 11mm wrench. **See Photo 2.**
6. When installing the u-joint to the yoke make sure the cap of the u-joint is seated between the two centering lugs on the yoke. Use loctite on all bolts make sure the cap is pulled up tight into the radius of the yoke after the bolts are torqued. You should not see a gap between the cap and yoke after installing.

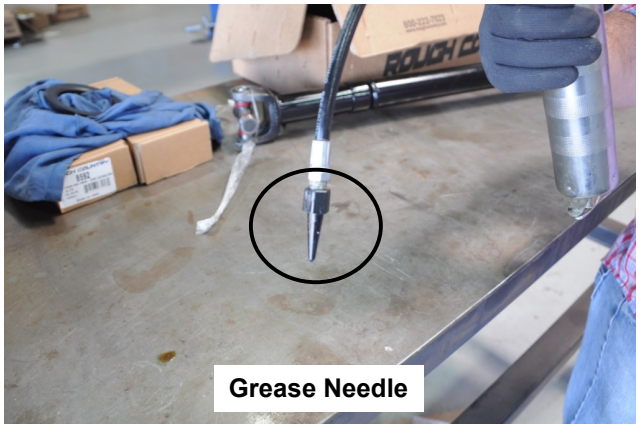




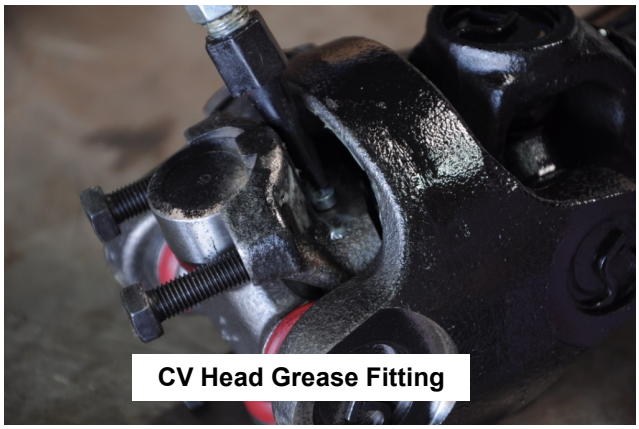
Fitment / Maintenance

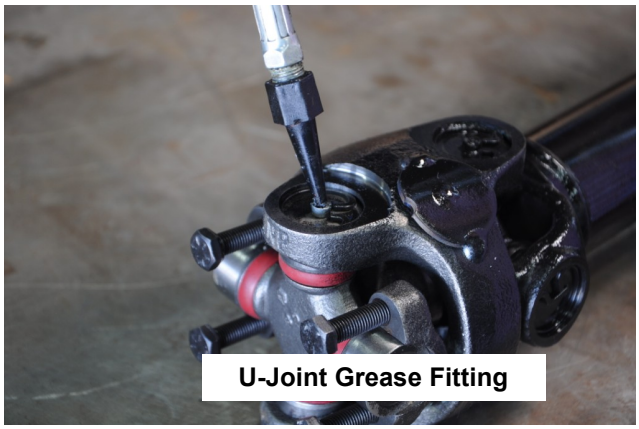
Items to check to ensure optimum drive-shaft operating conditions.

- Torque Bolts or u-joint straps to correct specifications. Note: It is recommended to replace the factory u-joint straps. Over time the straps stretch and allow movement on the u-joint and could lead to damage or u-joint/driveshaft failure.
- Periodic greasing maintenance must be performed. Grease the driveshaft after it has been installed and then every 6,000 miles. The drive shaft can also be greased after being exposed to extreme dirt and water. Make sure you use a good quality grease with a temperature rating above 250 degrees Fahrenheit. Greasing the driveshaft is a way of cleaning the internal parts of the u-joints and slip splines. Slowly pump grease into each fitting until you see a small amount of clean grease pass through the rubber seal. A grease needle will be needed to adapt the grease gun for the shorter check ball fittings.
- Ensure all snap rings if applicable are locked in place.
- Make sure the driveshaft is operating as it should with the proper driveline angles.
- Periodically inspect the driveshaft after off road use.
- Always check fitment of driveshaft!! If shaft is totally compressed upon installation, check to make sure all arms are adjusted to the specified lengths and all components are seated correctly. Adjust components as needed. Make sure the shaft has movement in the slip yoke to avoid damaging driveshaft components. Running the shaft at full collapse or full extension could cause premature wear and possible driveshaft failure.


Grease Needle


CV Head Grease Fitting


CV Head Grease Fitting


U-Joint Grease Fitting


U-Joint Grease Fitting


U-Joint Grease Fitting


Standard Grease Fitting for Slip Spline


Standard Grease Fitting for Slip Spline

Thank you for choosing a Rough Country drive shaft.

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