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# Rough Country 5090.1A Installation Instructions

CV Drive Shaft for Jeep Wrangler JL 4WD with Dana 30 Front Axle

Part number: 5090.1A

trailfortress.com/cv-drive-shaft-jeep-wrangler-jl-4wd-with-dana-30-front-axle-rough-country-5090-1a

Scan for fitment, price and install help

92RC5094

ROUGH COUNTRY SUSPENSION SYSTEMS®

# JL RUBICON DRIVESHAFT INSTALLATION INSTRUCTIONS

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. 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 after installation.

**⚠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.

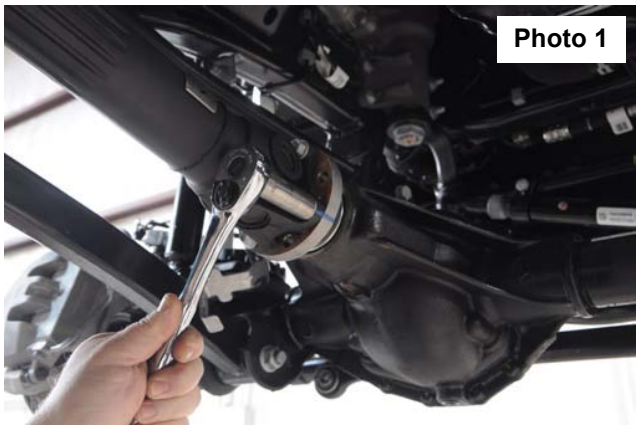


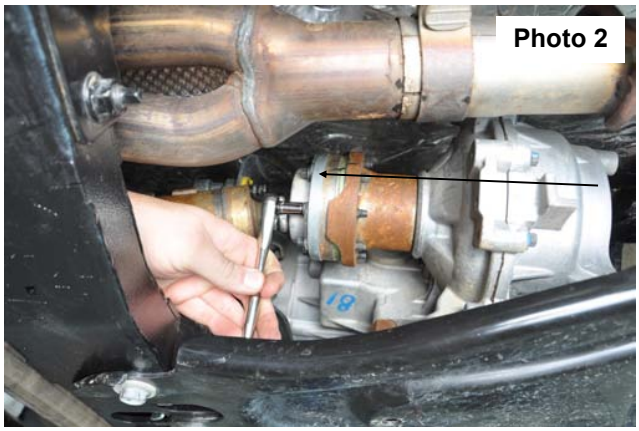
**Transfer Case Yoke**

**Tools Needed**
8mm Socket
1/2” wrench
15mm Socket
1 1/4” socket
Rubber Mallet
Loc-tite
Torque Wrench
Grease Gun

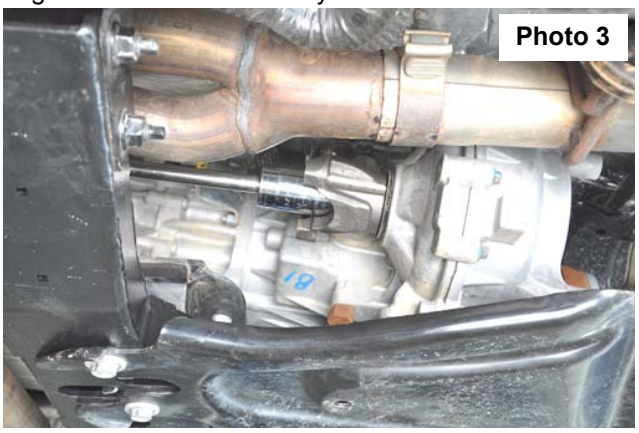
## INSTALLATION INSTRUCTIONS

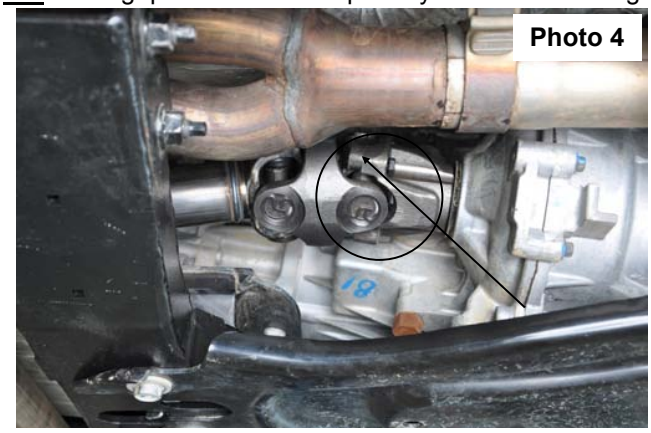
1. Remove the factory driveshaft from axle flange using a 15mm socket. Retain the stock hardware for reuse. **See Photo 1.**
2. Remove the driveshaft form the transfer case flange with a 8mm socket. **See Photo 2.** Use a rubber mallet to hit the CV head to separate the driveshaft from the factory flanges.



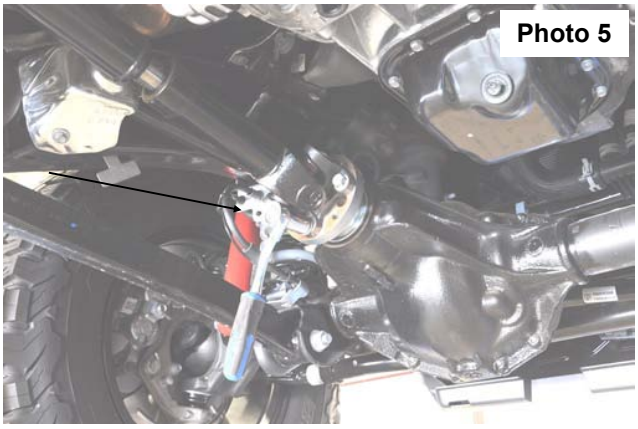




3. Remove the transfer case CV flange with a 1 1/4" socket. Retain stock nut.
4. Install the supplied yoke over the transfer case output shaft. Apply loc-tite on the stock nut and tighten with a 1 1/4" socket to factory torque specs. **See Photo 3**. **Do not exceed factory specifications on this nut.**
5. Before installing the new driveshaft, inspect to make sure all grease fittings and snap rings are in place. **Do not install if the snap rings are damaged or missing. Make sure all clips are properly engaged on the u-joints**.
6. When installing the u-joint to the CV yoke make sure the cap of the u-joint is seated between the two centering lugs on the yoke. Apply loc-tite on the CV bolts and torque to specifications. After install, make sure the cap is pulled up tight into the radius of the yoke. **See Photo 4.** You should **not** see a gap between the cap and yoke after installing.




7. Install the axle flange on the stock flange using the factory hardware. Tighten using a 15mm socket. **See Photo 5.**

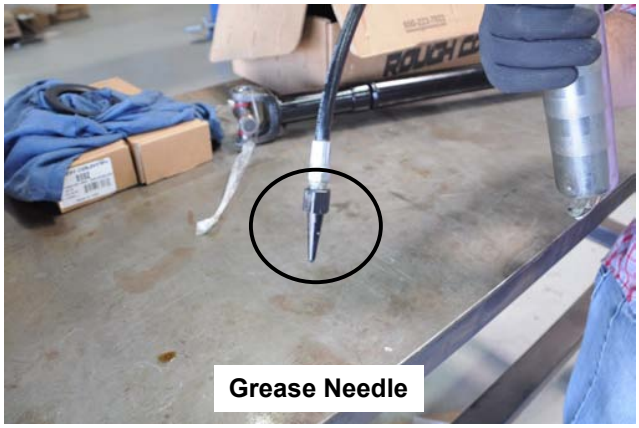



**Grease the driveshaft periodically for optimum performance and longevity.**
**See Instructions on following pages to properly grease the driveshaft**

## Fitment / Maintenance

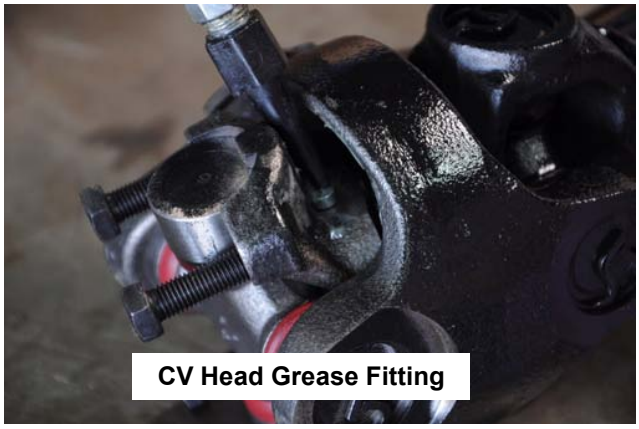
Items to check to ensure optimum drive-shaft operating conditions.

- 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.














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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