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Rough Country 5068.1 Installation Instructions

CV Drive Shaft for 2017-2023 Ford F-250 / F-350 Diesel 4WD

Part number: 5068.1

trailfortress.com/cv-drive-shaft-ford-f250-f350-diesel-4wd-rough-country-5068-1

Scan for fitment, price and install help

92RC5068

ROUGH COUNTRY SUSPENSION SYSTEMS®

Ford 2017-19 F250/350 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 vehicle.

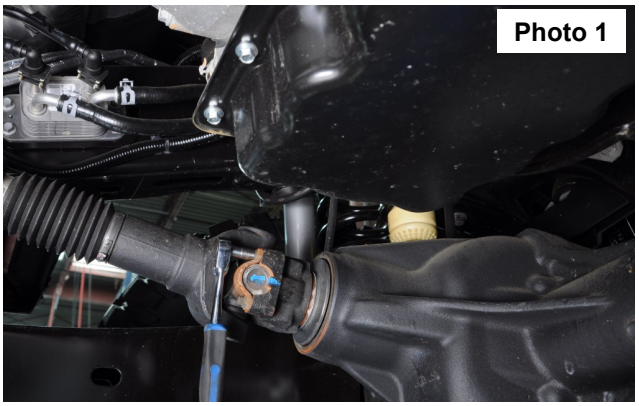
Kit Contents
Driveshaft
5068.1DSBAG
- 4-12mm x 45mm Bolts
- 8-Flat Washers
- 4-12mm Lock Nuts

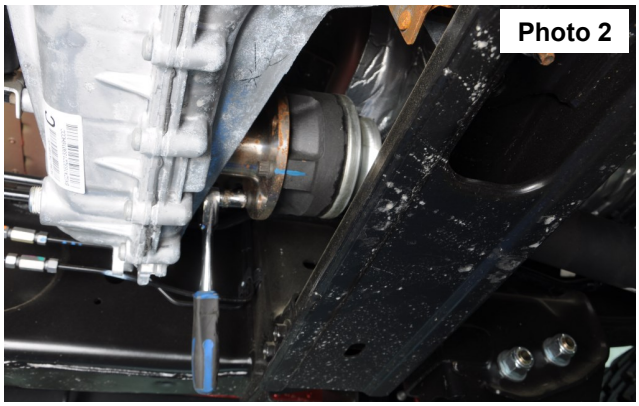


Tools Needed
8mm Socket
12mm 12pt Socket
18mm Wrenches
Rubber Mallet
Loc-tite
Torque Wrench
Grease Gun
Grease Needle

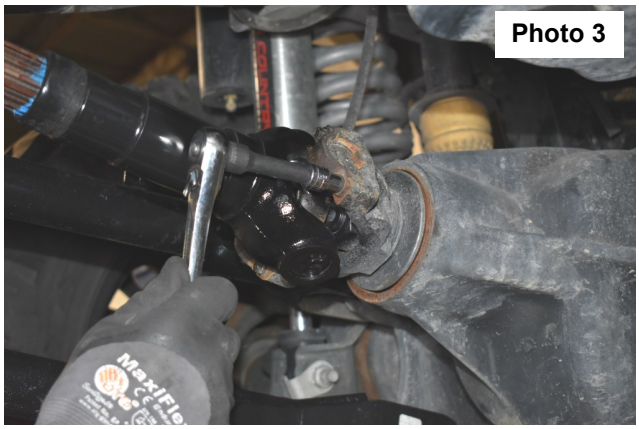
Installation Instructions

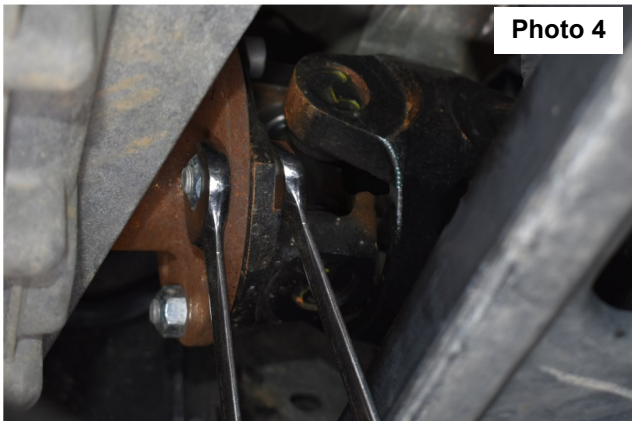
1. Remove the front driveshaft from the front differential using an 8mm socket. Retain factory hardware and u-joint straps. **See Photo 1.**
2. Using a 12mm 12-point socket, remove the front driveshaft from the transfer case flange. **See Photo 2.**





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 front pinion yoke make sure the cap of the u-joint is seated between the two centering lugs on the yoke. Apply loc-tite on the yoke bolts and torque to specifications. After install, make sure the cap is pulled up tight into the radius of the yoke. You should not see a gap between the cap and yoke after installing. Torque to 9ft-lbs using an 8mm socket. **See Photo 3.**
7. Attach the supplied driveshaft to the transfer case flange using the supplied 12mm hardware. Tighten using 18m wrenches. Torque to 75ft-lbs. **See Photo 4.**





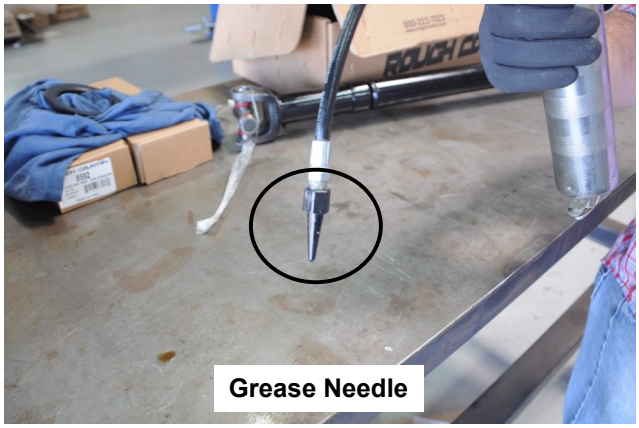
Torque Specs:

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16”	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8”	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16”	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2”	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16”	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8”	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4”	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

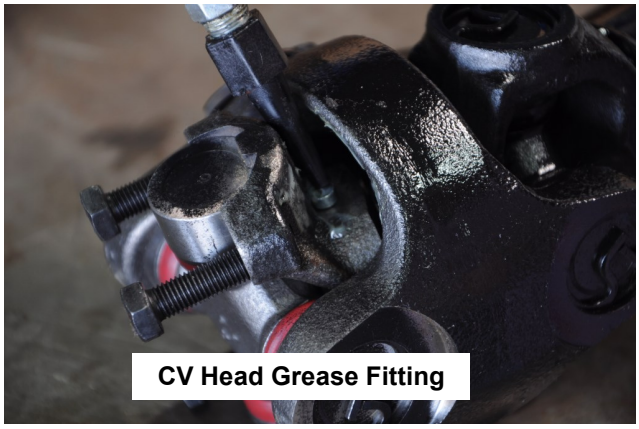
Fitment / Maintenance

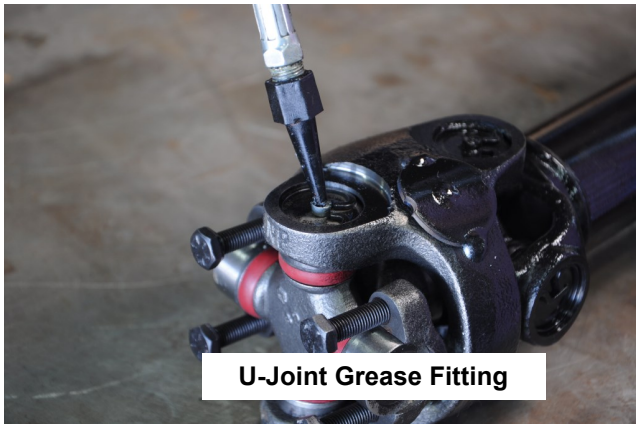
Items to check to ensure optimum drive-shaft operating conditions.

- 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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