TRAIL FORTRESS

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Rough Country 11000 Installation Instructions

HD Tie Rod Sleeves for Silverado 1500 & Sierra 1500 (2007-2018)

Part number: 11000

trailfortress.com/rough-country-hd-tie-rod-sleeves-11000

Scan for fitment, price and install help

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ROUGH COUNTRY
SUSPENSION SYSTEMS®

2007-17 GM 1500 TIE ROD SLEEVE 1.5” OFFSET UPGRADE KIT

Thank you for choosing Rough Country for your suspension needs.

Rough Country recommends a certified technician installs this system. In addition to these instructions, professional knowledge of disassemble/reassembly procedures as well as post installation checks must be known. Attempts to install this system 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. Check the kit hardware against the parts list. Be sure you have all the needed parts and understand where they go. Also please review the tools needed list and make sure you have needed tools.

PRODUCT USE INFORMATION

Do not add, alter this Rough Country product. We will not be responsible for any product that is altered.

NOTICE TO DEALER AND VEHICLE OWNER

Any vehicle equipped with any Rough country product must have the “Warning to Driver” decal installed on the sun visor or dash. **INSTALLING DEALER**—It is your responsibility to install the warning decal and to forward these installation instructions on to the vehicle owner for review and to be kept in the vehicle for its service life.

TOOLS NEEDED:
Floor Jack
Jack Stands
22MM Wrench
24mm Wrench
36MM Wrench

KIT CONTENTS:
2-Tie Rod End Sleeves



THANK YOU FOR CHOOSING ROUGH COUNTRY FOR YOUR SUSPENSION NEEDS

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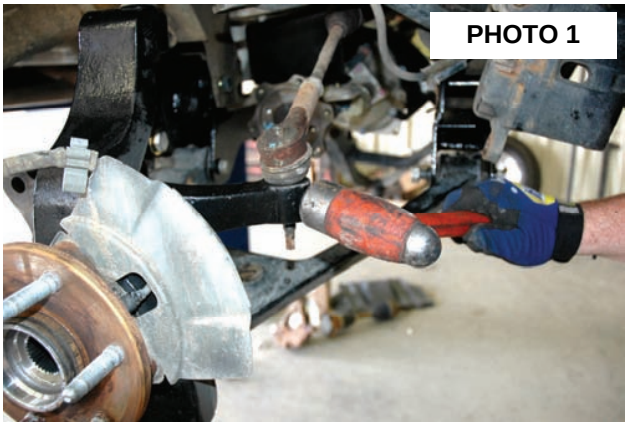
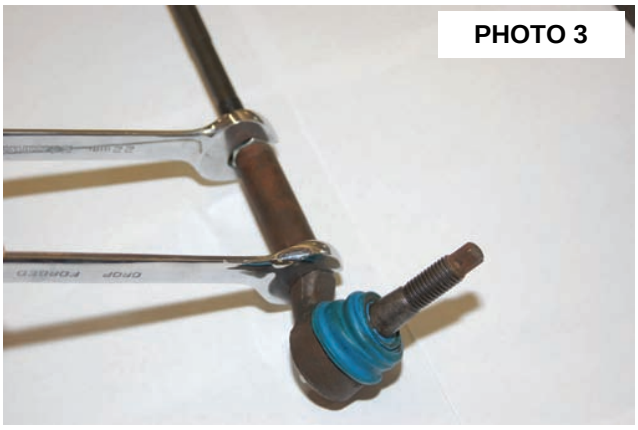
INSTALLATION INSTRUCTIONS

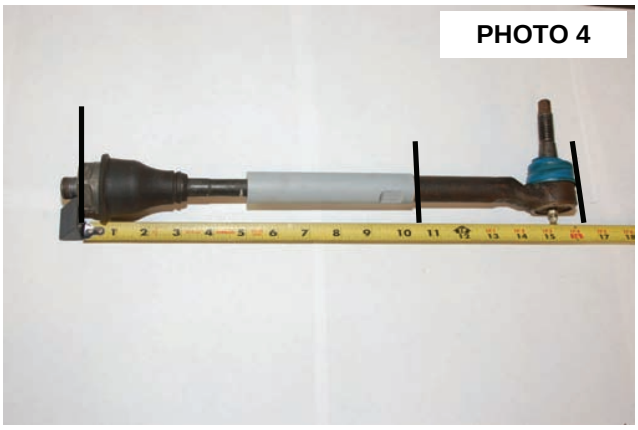
1. Straighten the front wheels on the vehicle and chock the rear wheels.
2. Jack up the front of the vehicle and place jack stands under the frame rails. Lower the vehicle onto the jack stands.
3. Remove the tires / wheels.
4. Installation in performed one side at a time. Starting on the Driver side. Remove the tie rod from the knuckle using a 22mm wrench. Remove the tie rod from the knuckle by striking the knuckle as shown. Retain the hardware for reuse. **See Photo 1.**
5. Remove the tie rod from the vehicle using a 36mm or equivalent wrench.
6. Using a tape measure, record the total length of the tie rod and the location of the tie rod end. This will ensure the vehicle stays in alignment when the tie rod is reinstalled. **The stock jam nut will not be reused. See Photo 2.**



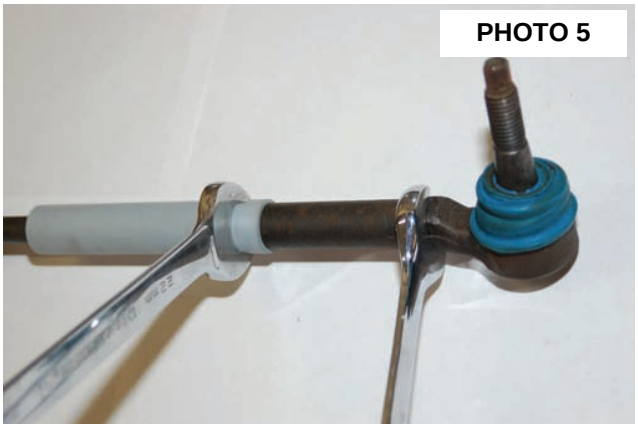


7. Disassemble the tie rod as shown in **Photo 3** using two 22mm & 24mm wrench.
8. Install the New Rough Country sleeve on the tie rod as shown in **Photo 4.** Make sure the sleeve is threaded to the correct location on the stock tie rod as recorded in Step 6 and reinstall the stock tie rod end.





9. Reinstall the tie rod in the vehicle as removed from the steering assembly with a 36mm or equivalent wrench and reinstall on the knuckle using a 22mm wrench.
10. Tighten the tie rod end and sleeve using the sleeve as a jam nut to secure the tie rod in place using a 22mm & 24mm wrench. **See Photo 5.**
11. Install the tires and wheels.
12. Jack up the vehicle and remove the jack stands.
13. Lower the vehicle to the ground.



MAINTENANCE INFORMATION

It is the ultimate buyers responsibility to have all bolts/nuts checked for tightness after the first 100 miles and then after every 1000 miles. Wheel alignment steering system, suspension and driveline systems must be inspected by a qualified professional mechanic at least every 3000 miles.