Rough Country RC0502 Installation Instructions

1-2 Inch Rear Lowering Shackles for 2004-2013 Ford F-150

Part number: RC0502

trailfortress.com/rough-country-lowering-shackles-rc0502

Scan for fitment, price and install help

92RC0502

04-15 F150 2 / 4WD 1”-2” LOWERING SHACKLES

Thank you for choosing Rough Country for all of your suspension needs.

Rough Country recommends a certified technician install 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. If anything is missing, do not proceed with the installation, call Rough Country to obtain needed items.

Product Use Information

Do no add, alter, or fabricate any factory or after-market parts. We will not be responsible for any product that is altered.

⚠NOTICE **Notice to Dealer and Vehicle Owner**

Any vehicle equipped with any Rough Country product must have the ñWarning to Driverò decal installed on the sun visor or dash. The decal is to act as a constant reminder for whoever is operating the vehicle of its unique handling characteristics. INSTALLING DEALERð 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.

⚠NOTICE **The shackle has two holes to achieve either 1” or 2” of drop. Placing the spring in the upper hole will lower the rear of the vehicle approx 2”, while the lower hole will lower the rear of the vehicle 1”.**

Kit Contents:

- **2-Rear Shackles**
- **4-Bushing**
- **2-Sleeves**

Tools Needed:

- **Floor Jack**
- **Jack Stands**
- **18mm Socket / Wrench**
- **21mm Socket/wrench**

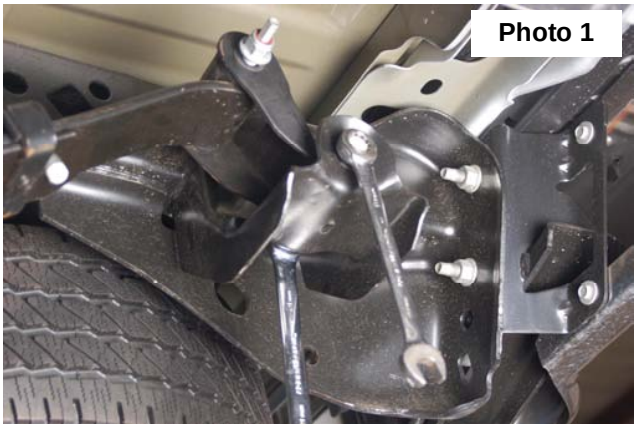
Torque Specs

Size	Grade 5	Grade 8
9/16”	95 ft/lbs	130 ft/lbs
	Class 8.8	**Class 10.9**
14MM	85ft/lbs	120ft/lbs



Installation Instructions

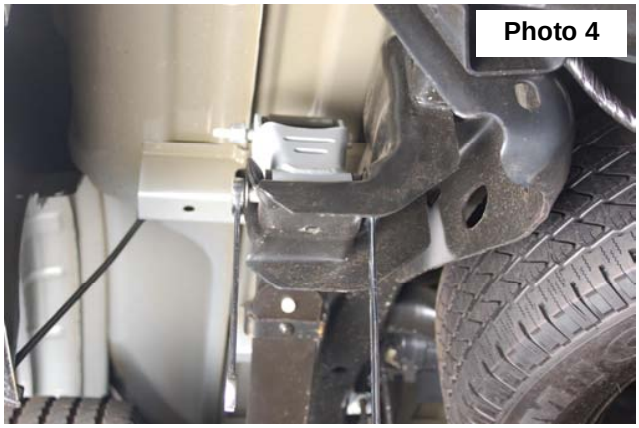
1. Jack up the rear of the vehicle using a floor jack. Both sides will be installed simultaneously to avoid binding the spring bolts.
2. Place jack stands under the frame rails to support the vehicle. With floor jack lower the vehicle onto jack stands and let the suspension hang. Leave floor jack under axle for support.
3. Lightly support the rear axle with the floor jack under the differential.
4. Remove the lower shackle bolts as shown in **Photo 1** using a 18mm & 21mm socket / wrench.
5. Jack up the rear end enough to remove the upper shackle bolt. **See Photo 2.**





6. Lightly grease the supplied bushings/sleeves and install in the shackle.
7. Install the new shackle at the desired amount of drop (either top or bottom hole) with the stock hardware using 18mm & 21mm socket / wrench. **See Photo 3.**
8. Lower the jack and install the new shackle in the stock shackle mount with stock hardware using a 18mm & 21mm wrench. **See Photo 4.**





9. Install the wheels /tires.
10. Jack up the vehicle and remove the jack stands.
11. Lower the vehicle to the ground.

Post Installation

1. Check all fasteners for proper torque. Check to ensure there is adequate clearance between all rotating, mobile, fixed and heated members. Test brake system.
2. Re torque all fasteners after 500 miles. Visually inspect components and re-torque fasteners during routine vehicle service.
3. Readjust headlights to proper settings.

Thank you for choosing Rough Country for all of your suspension needs.

By purchasing any item sold by Rough Country, LLC, the buyer expressly warrants that he/she is in compliance with all applicable , State, and Local laws and regulations regarding the purchase, ownership, and use of the item. It shall be the buyers responsibility to comply with all Federal, State and Local laws governing the sales of any items listed, illustrated or sold. The buyer expressly agrees to indemnify and hold harmless Rough Country, LLC for all claims resulting directly or indirectly from the purchase, ownership, or use of the items.