TRAIL FORTRESS

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Rough Country RC0503 Installation Instructions

Rear Lowering Shackles for 2002–2008 Dodge Ram 1500

Part number: RC0503

trailfortress.com/rough-country-lowering-shackles-rc0503

Scan for fitment, price and install help



RC0503

02-08 DODGE 2 / 4WD 1/2TON
1” 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 not add, alter, or fabricate any factory or after-market parts. 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. The decal is to act as a constant reminder for whoever is operating the vehicle of its unique handling characteristics. 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.

Kit Contents:

- **2-Rear Shackles**
- **4-Bushings**
- **2-Sleeves**

Tools Needed:

Floor Jack
Jack Stands
18mm Socket / wrench
21mm Socket/wrench
T55 Bit

Torque Specs

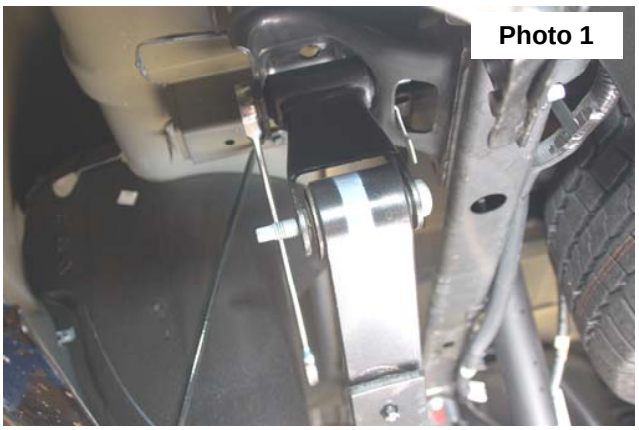
Size	Grade 5	Grade 8
14MM	85ft/lbs	120ft/lbs



ROUGH COUNTRY SUSPENSION SYSTEMS

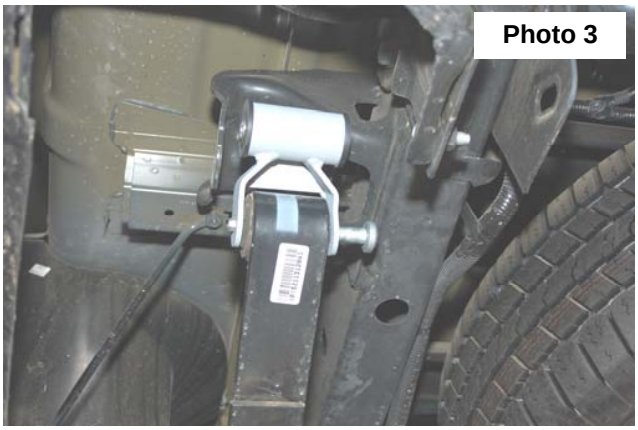
Installation Instructions

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 upper shackle bolts as shown in **Photo 1** using a 21mm socket / wrench.
5. Remove the lower shackle bolt using a 21mm wrench & T55 bit. **See Photo 2.**





6. Lightly grease the supplied bushings /sleeves and install in the new shackle.
7. Install the new shackle on the leaf spring with the stock hardware using 21mm socket / wrench & T55 bit. **See Photo 3.**
8. Raise the jack and install the new shackle in the stock shackle mount with stock hardware using a 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 1000 miles. Visually inspect components and re-torque fasteners during routine vehicle service.
3. Readjust headlights to proper settings.

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