TRAIL FORTRESS

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Rough Country 49800 Installation Instructions

2-Inch Mini-Leaf Leveling Kit for Ford Super Duty 4WD

Part number: 49800

trailfortress.com/2-inch-mini-leaf-leveling-kit-ford-super-duty-4wd-rough-country-49800

Scan for fitment, price and install help

921498000

ROUGH COUNTRY
SUSPENSION SYSTEMS®

99-04 F-250/F-350 00-05 Excursion 2” Leveling 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 on the back page of these instructions. 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

⚠WARNING As a general rule, the taller a vehicle is the easier it will roll. Seat belts and shoulder harnesses should be worn at all times. Avoid situations where a side rollover may occur. Braking performance and capabilities are decreased when significantly larger/heaver tires and wheels are used. Take this into consideration while driving. Also, speedometer recalibration is necessary when larger tires are installed.

Do no add, alter, or fabricate any factory or after-market parts which increase vehicle height over the intended height of the Rough Country product purchased. Mixing component brands, lifts, and/or combining body lift with suspension lifts voids all warranties. Rough Country makes no claims regarding lifting devices and excludes any and all implied claims. We will not be responsible for any product that is altered.

⚠NOTICE If the vehicle has a tool box in the rear or any other reason that the rear may be lower then normal this lift may not result in a level look most often desired. Rough Country offers block and u-bolt combinations and add-a-leafs to raise the rear of this vehicle to a look that is more desirable —contact you local distributor for details.

This kit was designed for use with a **305/70R-16** tire on a factory wheel. Any other variation will need to be verified before use to prevent possible clearance issues.

If you have any questions about this installation or the product included please call our customer service department at 800-222-7023.

⚠NOTICE **NOTICE TO DEALER AND VECHICLE 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 too the vehicle owner for review and to be kept in the vehicle for its service life.



KIT CONTENTS:

2 - Fr Mini Leaf Packs
4 - 9/16” x 3 1/8” x 11” U-Bolt
1 - 9/16BAG1
8 - 9/16” Flat Washer
8 - 9/16” Lock Nut

TOOLS NEEDED:

Hammer
Floor Jack
Jack Stands
15mm Socket / Wrench
21mm Socket / Wrench
13/16” Socket / Wrench
24mm Socket / Wrench
5/8” Socket
18mm Socket
19mm Socket
Torque Wrench



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

1. Place the vehicle in park. Block the rear wheels and jack up the front of the vehicle. Secure with jack stands behind the spring shackle on the frame rail.
2. Lightly support the front axle assembly with a floor jack.
3. Remove the tires/wheels.
4. Support the front axle using a jack.
5. Remove the lower sway bar link bolt using 18mm & 19mm wrenches. **See Photo 1.**
6. Remove the lower front shock bolt using 15mm & 18mm wrenches. **See Photo 2**.

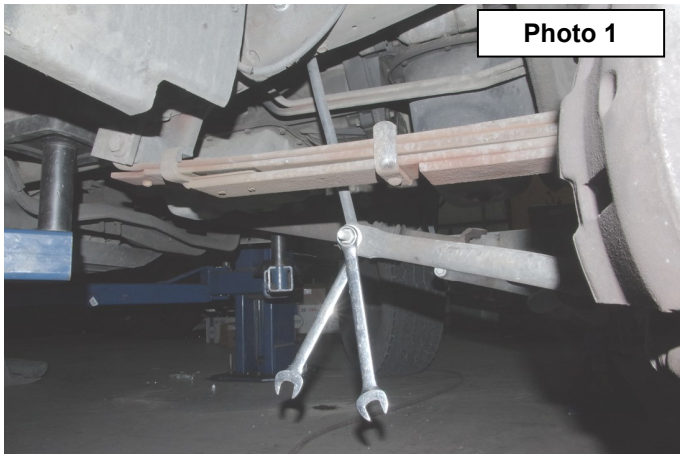


Photo 1

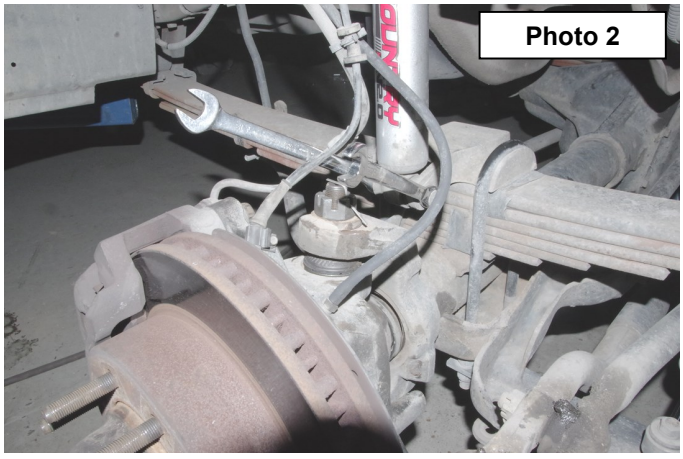


Photo 2

7. Using a 22mm socket, remove the nuts from the u-bolts. **See Photo 3,**
8. Remove the bolts. **See Photo 4.**
9. Lower the axle and remove the stock center pin. **See Photo 5.**

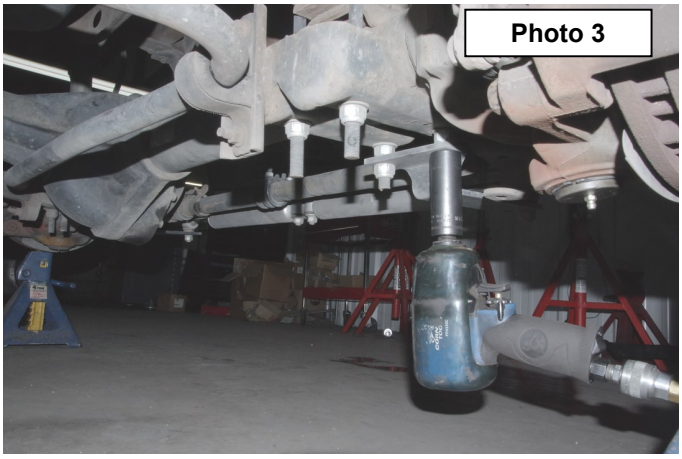


Photo 3

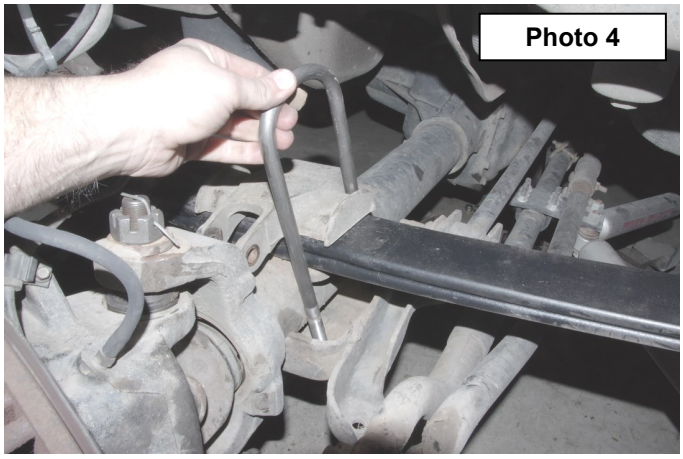


Photo 4

10. Install spring pack below the factory springs. **See Photo 6. This kit was designed to work with the factory 2 leaf pack, add-a-leafs or overload springs will have to be removed.**

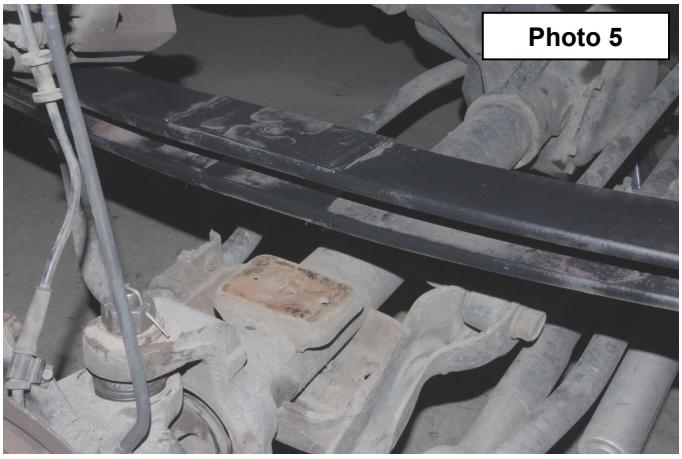


Photo 5

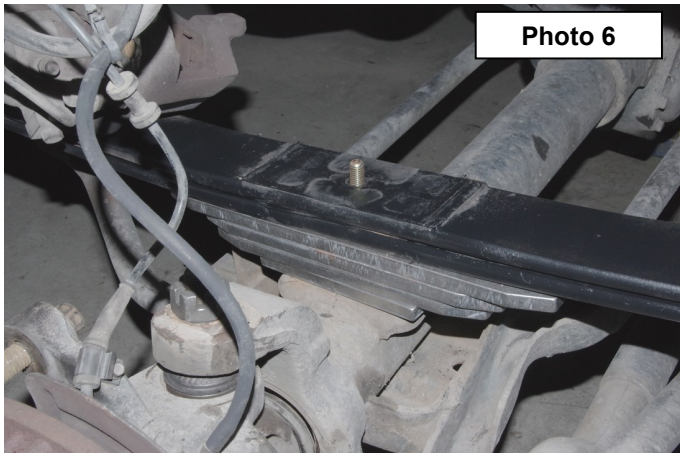
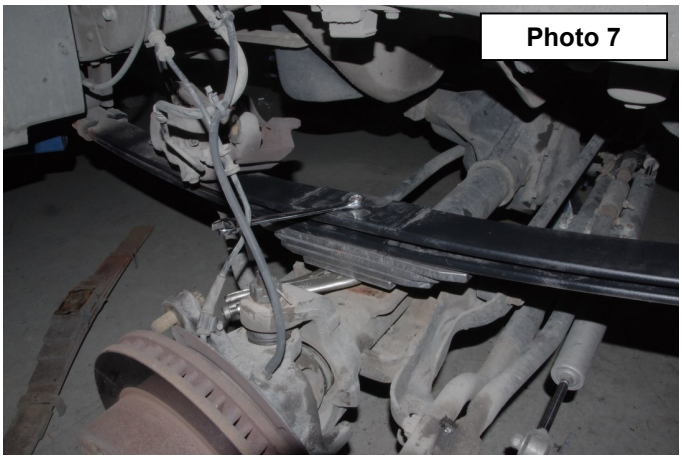
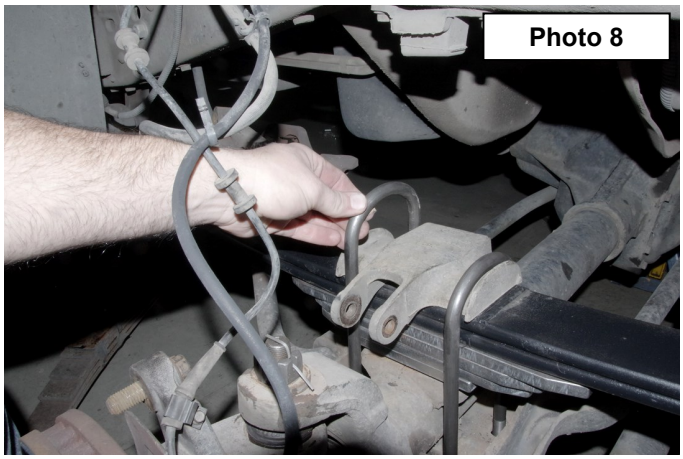


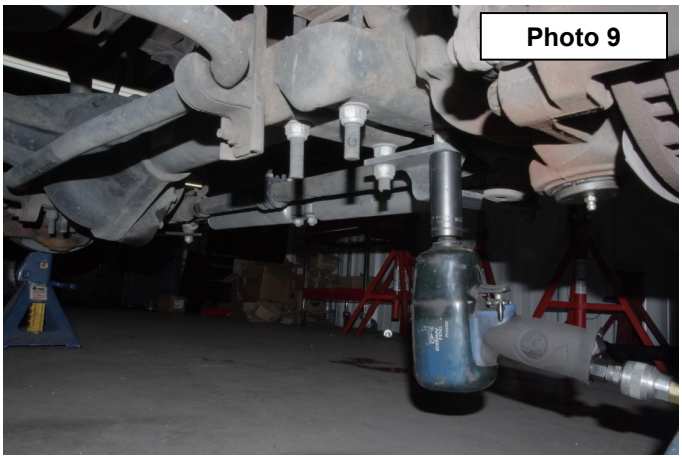
Photo 6

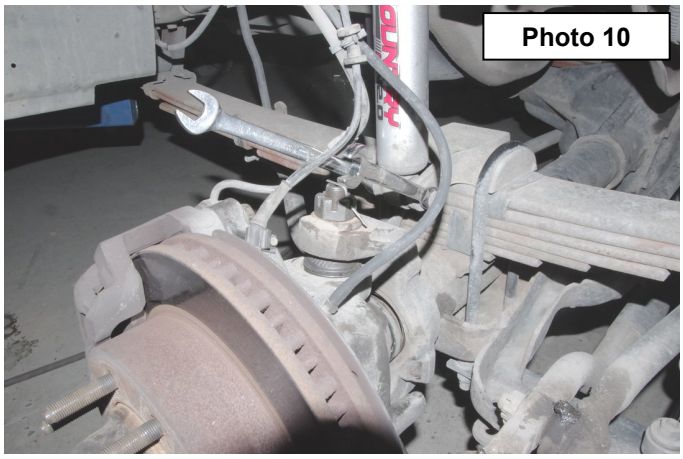
11. Tighten the center pin using a 5/8” wrench and vise grips to hold the bottom of the pin. **See Photo 7.**
12. Using the jack, raise the axle making sure the center pin is properly seated in the spring perch.
13. Install the factory upper spring plate and the supplied u-bolts. **See Photo 8.**



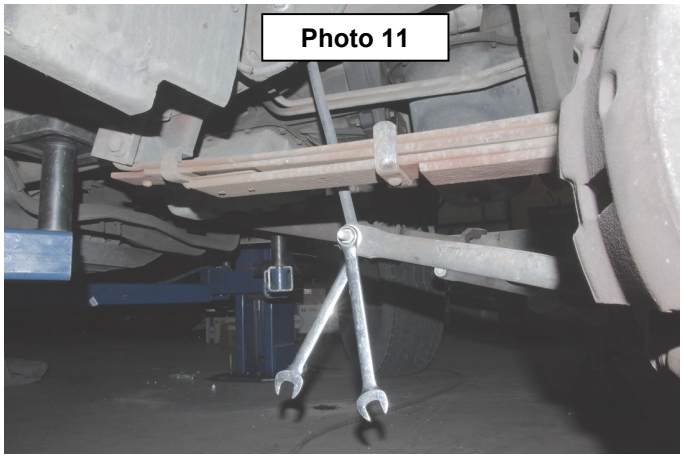


14. Install the supplied u-bolt nuts (9/16BAG1) and torque to 90 ft-lbs using a 13/16” socket. **See Photo 9.**
15. Attach the shock to the upper spring plate using the factory hardware. Torque to factory specs using a 15mm & 18mm. **See Photo 10.**





16. Attach the sway link to the sway bar using the factory hardware. Torque to factory specs using a 18mm & 19mm. **See Photo 11.**



POST INSTALLTION INSTRUCTIONS

1. Check all fasteners for proper torque. Check to ensure there is adequate clearance between all rotating, mobile, fixed and heated members. Check steering gear for interference and proper working order. Test brake system
2. Perform steering sweep. Check to ensure brake hoses have sufficient slack and will not contact rotating, mobile, or fixed members, adjust lines/brackets to eliminate interference and maintain proper working order. Failure to perform inspections may result in component failure
3. Readjust headlights to factory settings
4. Have vehicle aligned by a certified alignment professional.
5. All components must be retightened after 500 miles, and every three thousand miles after installation.

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.