Rough Country 867RED Installation Instructions

2.5-Inch Leveling Kit with 1.5-Inch Rear Shackles for Frontier

Part number: 867RED

trailfortress.com/2-5-inch-leveling-kit-frontier-rough-country-867red

Scan for fitment, price and install help

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ROUGH COUNTRY SUSPENSION SYSTEMS®

866BAG2

Nissan Frontier / Xterra 1.5” Shackle Kit

Thank you for choosing Rough Country for all 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 instructions before beginning installation. Check the kit hardware against the parts list on the last page. Be sure you have all needed parts and know where they go. Also please review 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. We strongly recommend, because of roll-over possibility, that the vehicle be equipped with a functional roll-bar and cage system. Seat belts and shoulder harnesses should be worn at all times. Avoid situations where a side rollover may occur.

Generally, braking performance and capability are decreased when larger/heavier tires and wheels are used. Take this into consideration while driving. Do not add, alter, or fabricate any factory or after-market parts to increase vehicle height over the intended height of the Rough Country product purchased. Mixing component brands is not recommended.

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.

If question exist we will be happy to answer any questions concerning the design, function, and correct use of our products.
The shackle kit was designed to provide 1.5” of lift to the rear of the vehicle.

⚠NOTICE **Exhaust may need to be modified to provide clearance of the shackle.**

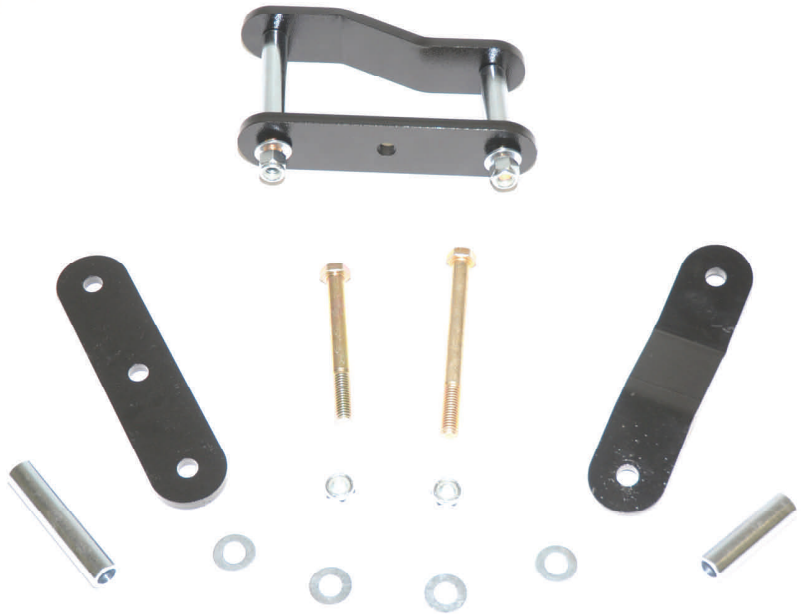
⚠NOTICE NOTICE TO DEALER AND VEHICLE OWNER

Any vehicle equipped with any Rough Country product should have a “Warning to Driver” decal installed on the inside of the windshield or on the vehicle’s dash. The decal should 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 forward these installation instructions on to the vehicle owner for review. These instructions should be kept in the vehicle for its service

Kit Contents:

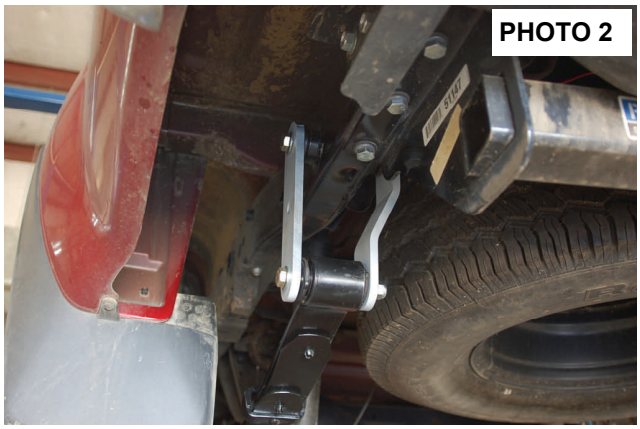
2-Inside shackle plates (Offset)
2-Outside shackle plates (Straight)
1-866Bag1
- 2-Frame Sleeves
- 2-Spring Sleeves
- 2-1/2” x 4.5” Bolts
- 2-1/2” x 5.5 Bolts
- 8-1/2” Washers
- 4-1/2” Lock Nuts



Installation Instructions

1. Park the vehicle on a level surface and block the front wheels for safety. Raise the rear of the vehicle and place the frame on jack stands.
2. Lower the rear axle until there is no pressure on the leaf springs but do not remove the jack from under the axle.
3. Remove the nuts shackle bolts on the driver side using a 17mm socket. Then pull the shackle out of the frame and spring eye. **See Photo 1.**
4. Lightly grease the outside of the frame and spring eye sleeve and slide them into place. Assemble the shackle with the flat plate on the outside and the offset plate on the inside. Use the supplied 1/2" x 5.5" bolt, washer and nut on the frame and use the 1/2" x 4.5" bolt, washer and nut on the spring eye. Hand tighten until the vehicle is on the ground. **See Photo 2.**





5. Repeat steps on the passenger side.
6. Raise the rear of the truck and remove jack stands, then lower the truck to the ground.
7. Tighten the shackles with a 3/4" socket and wrench.

Post Installation

1. Check all fasteners for proper torque. Check to ensure there is adequate clearance between all rotating, mobile, fixed and heated members. Check steering for interference and proper working order. Test brake system.
2. Perform steering sweep. The distance between the tire sidewall and the brake hose must be checked closely. Cycle the steering from full turn to full turn to check for clearance. Failure to perform inspections may result in component failure.
3. Re torque all fasteners after 500 miles. Visually inspect components and re torque fasteners during routine vehicle service.
4. Readjust headlights to proper settings.

By purchasing any item sold by Rough Country, LLC, the buyer expressly warrants that he/she is in compliance with all applicable Federal, 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.