TRAIL FORTRESS

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Rough Country 86731 Installation Instructions

2.5-Inch Lift Kit with N3 Shocks for 2005–2025 Nissan Frontier 4WD

Part number: 86731

trailfortress.com/rough-country-2-5-inch-lift-kit-86731

Scan for fitment, price and install help

9286500A

ROUGH COUNTRY SUSPENSION SYSTEMS®

Nissan Frontier 2wd/4wd 2.5” Suspension 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

As a general rule, the taller a vehicle is, the easier it will roll. We strongly recommend, because of rollover 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 lift was designed as a leveling kit. It provides 2.5” of lift to the front of the vehicle, if you want to lift the rear of your Frontier contact your nearest Rough Country distributor. The largest recommended tire size when using this kit is a 285/75R 16 on stock wheels. If wider tires are desired or wheels with something other than factory offset please consult a tire and wheel expert to confirm fit.

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-Front Strut Extensions
6-10mm Nylock Flange Nuts

Tools Needed:

19 mm Socket
Needle Nose Pliers
22 mm Socket
Hammer
17 mm Wrench
14 mm Socket
19 mm Wrench

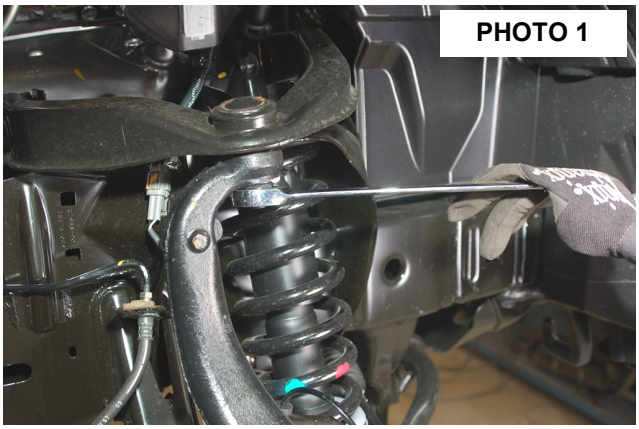
Torque Specs

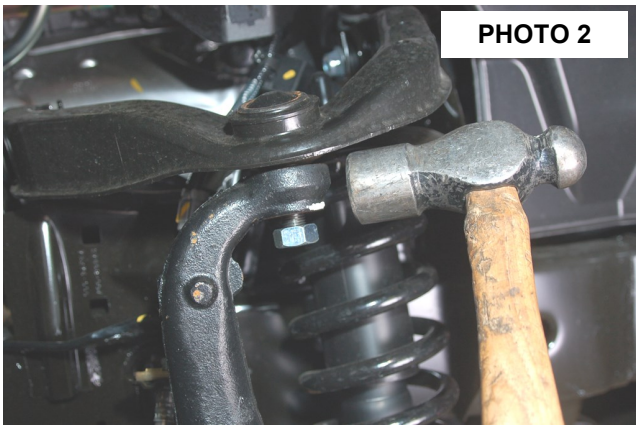
Size	Grade 5	Grade 8
5/16”	15 ft/lbs	20 ft/lbs
3/8”	30 ft/lbs	35 ft/lbs
7/16”	45 ft/lbs	60 ft/lbs
1/2”	65 ft/lbs	90 ft/lbs
9/16”	95 ft/lbs	130 ft/lbs
5/8”	135 ft/lbs	175 ft/lbs
3/4”	185 ft/lbs	280 ft/lbs

MM	8.8	10.9	12.9
10MM	32ft/lbs.	45ft/lb	50ft/lbs

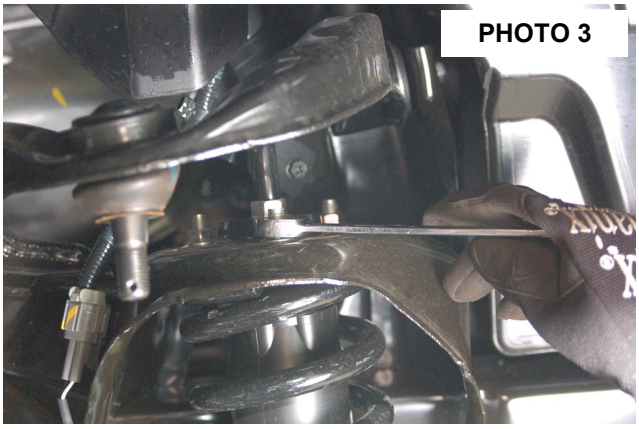
INSTALLATION INSTRUCTIONS

1. Chock the rear wheels. Jack up the front of the vehicle using a floor jack and place jack stands under the frame rails. Lower onto jack stands.
2. Remove the front wheels/tires.



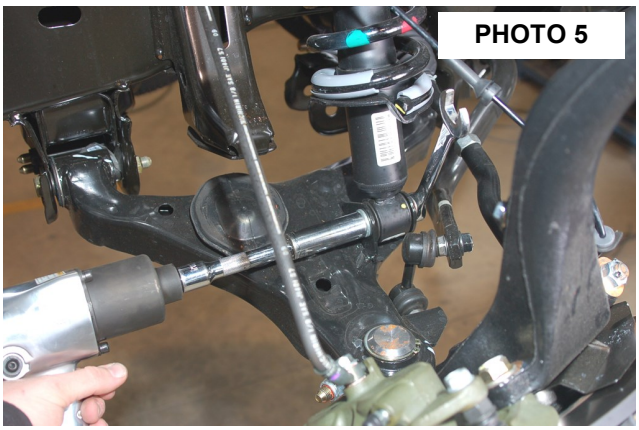


3. Remove the upper ball joint cotter pin and the upper ball joint nut using a 22mm wrench. Hit knuckle as shown to release the upper ball joint, **See PHOTO 1 & 2.**
4. Remove the 3 upper strut bolts that secure the strut to the upper mount using a 19mm wrench as shown in **PHOTO 3.** Retain the hardware for reuse.





5. Remove the sway bar from the sway bar link using a 17mm wrench. **See PHOTO 4.**
6. Remove the lower strut bolt from the strut using a 19mm wrench. **See PHOTO 5**.
7. Remove the strut from the vehicle.



9. Install the new spacer on the strut assembly as shown in **PHOTO 6** with factory hardware and using a 14mm socket.
10. Rotate the strut assemble 180 degrees to align the studs and install the strut and spacer assembly in the upper strut mount and secure with supplied 10mm nuts, lock washers and flat washers. Tighten with a 17mm wrench. **See PHOTO 7.**





11. Reinstall the lower strut bolt using a 19mm wrench as removed in step 6.
12. Reinstall the sway bar on the sway bar links using a 17mm wench.
13. Reinstall the front tires/wheels.

POST INSTALATION

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. Using an certified alignment professional with experience in aligning lifted vehicles, get an alignment done to factory specifications.
4. Re torque all fasteners after 500 miles. Visually inspect components and re torque fasteners during routine vehicle service.
5. Readjust headlights to proper settings.

MAINTENANCE INFORMATION

It is the ultimate buyers responsibility to have all bolts/nuts checked for tightness after the first 500 miles and then every 1000 miles. Wheel alignment steering system, suspension and driveline systems must be inspected by a qualified professional mechanic at least every 3000 miles

KIT CONTENT



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.