TRAIL FORTRESS

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# Rough Country 67970 Installation Instructions

2.5-Inch Lift Kit with V2 Shocks for 2007-2017 Wrangler Unlimited

Part number: 67970

trailfortress.com/rough-country-2-5-inch-lift-kit-67970

Scan for fitment, price and install help

921679300

ROUGH COUNTRY SUSPENSION SYSTEMS®

1679BAG1

# JEEP JK 2 1/2” COIL KIT W/ N3 SHOCK ABSORBERS

**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 kit content list on this page and the kit layout on the back page. Be sure you have all needed parts and know where they go. Also please review tools needed list and make sure you have the necessary tools to install this kit.

## 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. 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.

This system was developed to provide a level stance to the Jeep after it is lifted. Please note that this lift does not modify the front or rear track bar or its mounting points. This will result in what is generally considered a very insignificant shift in both the front and rear axle of approx 1/4 of an inch. Rough Country offers an optional rear track bar bracket **Part # 1166** to address this. Please call your nearest Rough Country dealer to inquire.

This suspension system was developed using a 285/75R17” tire with factory wheels. If bigger/wider tire are used with the factory wheels or factory offset wheels you must carefully check the clearance during turning between the tires and the lower control arm and the front sway bar link before driving.

If you have any questions concerning the design, function, and correct use of our products contact us at 800-222-7023.

**⚠NOTICE** **The draglink must be adjusted to center the steering wheel BEFORE the vehicle is driven. Failure to do so will cause a computer error in the Jeep’s traction control system.**

**⚠NOTICE** **On Automatic equipped vehicles; due to use of an oversize driveshaft from the factory and inadequate factory clearance it may be possible for the front driveshaft to come in contact with the automatic transmission pan tearing the factory boot and rubbing on the shaft. Generally this occurs during heavy articulation when front sway bar links are disconnected and longer shocks are installed. If this is found to occur, the proper procedure would be to replace the oversize factory shaft with an aftermarket smaller diameter shaft to increase clearance between the transmission and front driveshaft. Rough Country does offer this driveshaft if needed.**

### Kit Contents:

2– Front Coil Springs
2– Rear Coil Springs
2- Fr Performance 2.2 Shock Absorbers
2– Rr Performance 2.2 Shock Absorbers
1--Shock Bag

### Tools Needed:

10mm Wrench
16mm Wrench
16mm Socket
18mm Wrench
18mm Socket
19mm Deep Well Socket
Jack
Jack Stands

### Torque Specs:

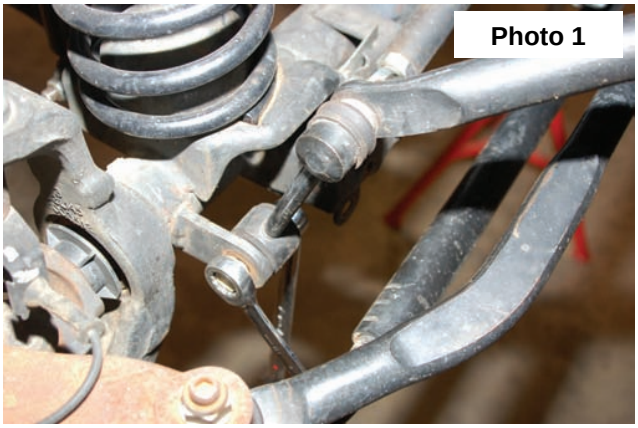
| Size | Grade 5 | Grade 8 |
|---|---|---|
| 3/8” | 30 ft/lbs | 35 ft/lbs |
| 7/16” | 45 ft/lbs | 60 ft/lbs |
| 1/2” | 65 ft/lbs | 90 ft/lbs |
| 9/16” | 95 ft/lbs | 130 ft/lbs |
| 5/8” | 135 ft/lbs | 175 ft/lbs |

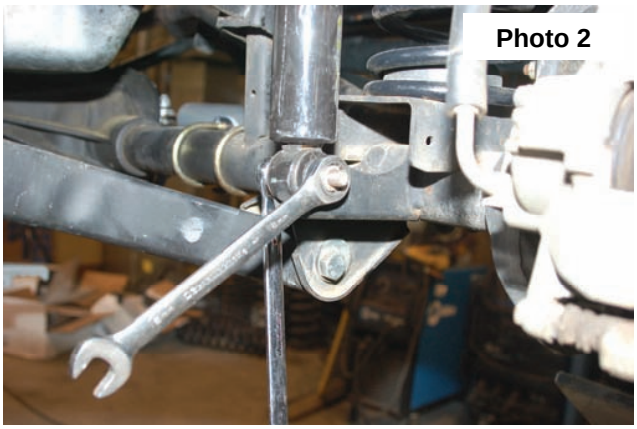
| | Class 8.8 | Class 10.9 |
|---|---|---|
| 8MM | 18ft/lbs | 23 ft/lbs |
| 10MM | 32ft/lbs | 45ft/lbs |
| 12MM | 55ft/lbs | 75ft/lbs |
| 14MM | 85ft/lbs | 120ft/lbs |

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## FRONT INSTALLATION INSTRUCTIONS

1. Chock the rear wheels and jack up the front of the vehicle and support the vehicle with jack stands so that the front wheels are off the ground.
2. Using a 19mm deep well socket remove the front tires/wheels,
3. Using a 18mm socket and wrench remove the bottom sway bar bolts. Retain hardware for later use. **See Photo 1**
4. Using a 18mm socket and wrench remove the lower shock bolt. **See Photo 2**. Retain the lower hardware for reuse.




5. Push down on the axle to allow room for the coils to be removed. Remove coil springs, and factory spring isolator.
6. Install the new coil spring in the stock location with the factory isolator as shown **See Photo 3**.
7. Install the new Rough Country N3 (660784) shocks in the factory location with the factory bolt in the lower shock mount and tighten using a 18mm socket and wrench. **See Photo 4.**
8. Reinstall the front tires/wheels and tighten to factory specifications.
9. Remove the jack stands and lower the vehicle to the ground. **Install the sway bar links on the sway bar using factory hardware using a 18mm wrench after the vehicle is on the ground. Do not install the sway bar link on the sway bar until the sway bar is on the ground.**



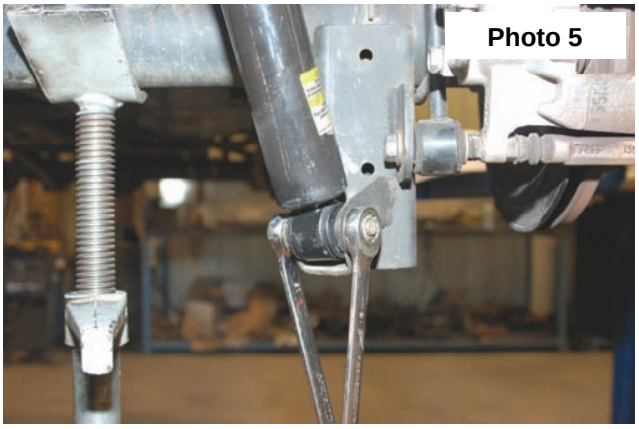


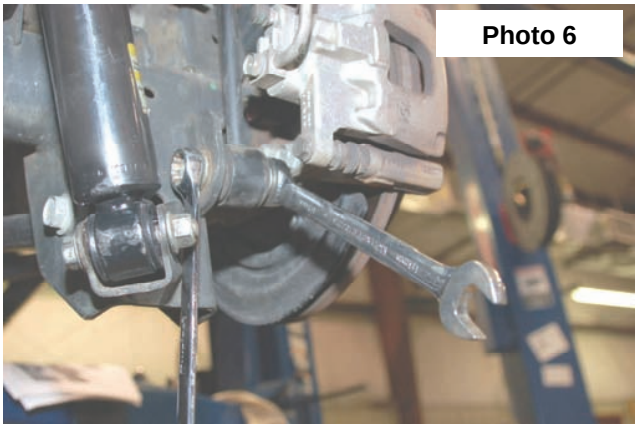


10. The draglink must be adjusted to center the steering wheel **BEFORE** the vehicle is driven. Failure to do so will cause a computer error with the Jeep's traction control system and will result in odd handling and poor performance.

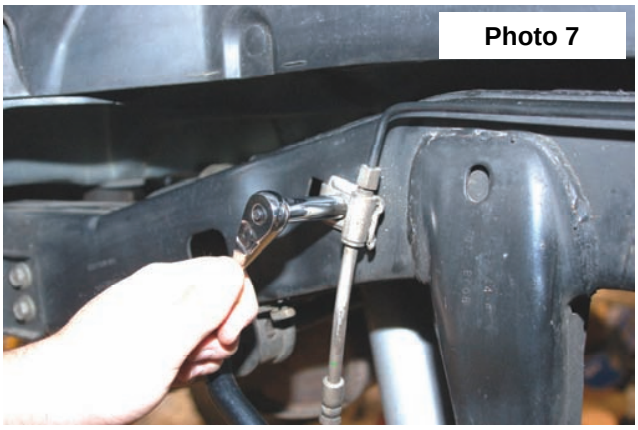
## REAR INSTALLATION INSTRUCTIONS

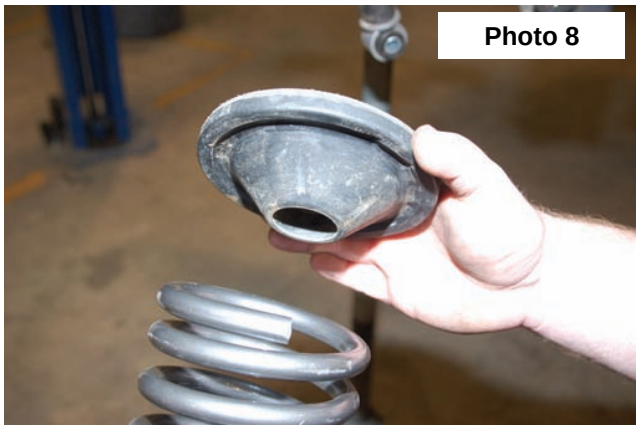
1. Chock front wheels and jack up the rear of the vehicle and support the vehicle with jack stands so that the rear wheels are off the ground.
2. Remove the rear tires/wheels, using a 19mm deep well socket.
3. Remove the upper shock bolt using a 16mm socket and wrench. Remove the lower shock bolt using a 18mm socket and wrench and remove the factory shock. **See Photo 5.** Retain the lower shock hardware for reuse.
4. Using a 18mm socket and wrench remove the bottom sway bar bolts. Retain hardware for later use. **See Photo 6.**


**Photo 5**


**Photo 6**

5. Using a 10mm wrench remove the bolt holding the brake line to the frame. **See Photo 7**. Push down on the axle to allow enough room for stock coil spring to be removed. Remove the stock coil spring and isolator.
6. Install the stock isolator on the top of the new coil spring. **See Photo 8.**


**Photo 7**


**Photo 8**

7. Install the new Rough Country coil spring in the factory coil mount as shown in **Photo 9.**
8. Install the rear Rough Country N3 (660752) shocks in the factory location using the factory hardware. Tighten the upper mount using a 16mm wrench and a 18mm wrench for the lower. **See Photo 10.**
9. Reinstall the brake line on the frame with the stock hardware. Tighten using a 10mm wrench.
10. Reinstall the rear tires/wheels and tighten to factory specifications. Lower the vehicle to the ground.

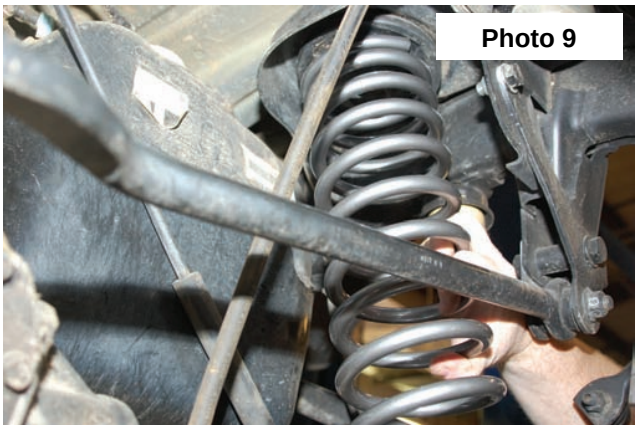

**Photo 9**



**Photo 10**

## 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. The draglink **must be adjusted to center the steering wheel BEFORE the vehicle is driven**. Failure to do so will cause a computer error with the Jeeps traction control system and result in odd handling and poor performance.
4. Using an certified alignment professional with experience in aligning lifted vehicles, get an alignment done to factory specifications.
5. Readjust headlights to proper settings.

## MAINTENACE INFORMATION

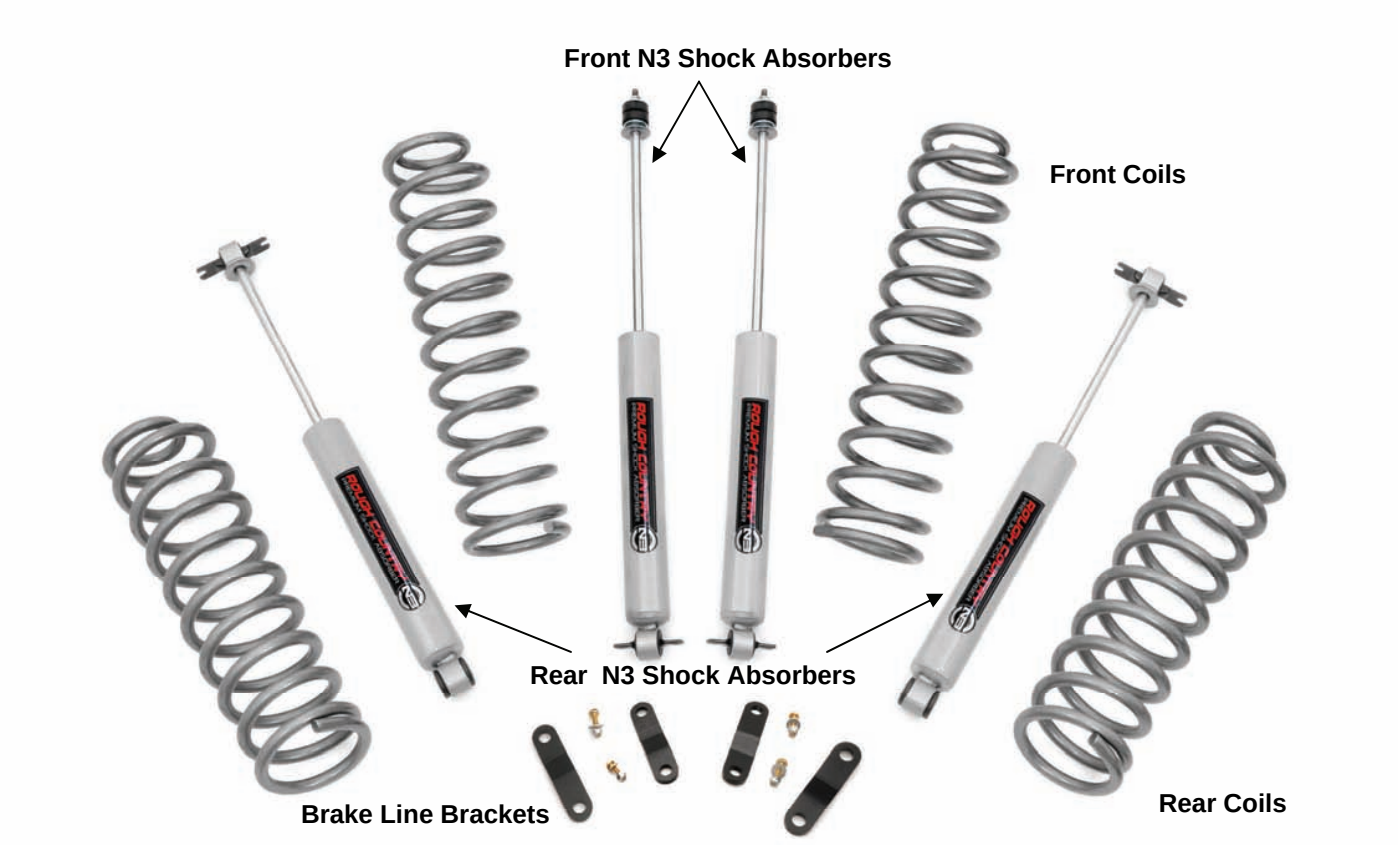
It is the ultimate buyers responsibility to have all bolts/nuts checked for tightness after the first 500 miles and then every 1000 miles. Wheel alignment steering system, suspension and driveline systems must be inspected by a qualified professional mechanic at least every 3000 miles.

## 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 life.

## KIT COMPONENTS




**Thank you for purchasing a Rough Country 2 1/2” lift for your Jeep JK.**

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.