# Rough Country 514 Installation Instructions

2 Inch Front Leveling Spacer Kit

Part number: 514

trailfortress.com/2-inch-front-leveling-spacer-kit-rough-country-514

Scan for fitment, price and install help




92151400

# 05-11 F250 2” FRONT 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. 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

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 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-Coil spacers
2-14mm x 100mm Bolts

**Tools Needed:**
18mm wrench
10mm wrench
23mm wrench

### INSTALLATION INSTRUCTIONS

1. Using a floor jack under the differential, jack up the vehicle and remove the tires/wheels.
2. Place jack stands under the frame rails and lower floor jack, but do not remove.
3. Remove the lower stock shock bolts using a 18mm wrench. Retain the hardware for reuse.
4. Remove the brake line bracket as shown using a 10mm wrench. **See PHOTO 1**.
5. Remove the sway bar link bolt as shown in **PHOTO 2** using a 18mm wrench to allow the axle to be lowered.

PHOTO 1

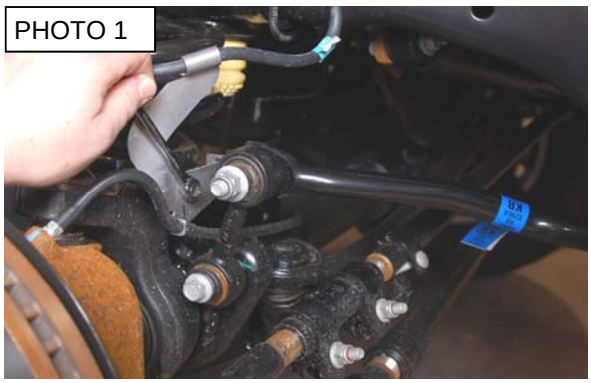


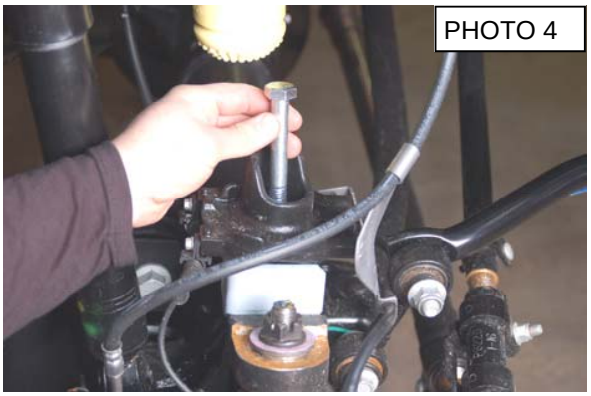
PHOTO 2



PHOTO 3



PHOTO 4



6. Using the floor jack, lower the axle down to allow the coil spring to be removed.
7. Remove the stock lower spring pad as shown in **PHOTO 3** using a 18mm wrench.
8. Install the new Rough Country spacer as shown in **PHOTO 4** with the supplied 14mm x 100mm bolt with a 23mm wrench and tighten.
9. On 05-08 models, install the stock brake line bracket on the *new spacer block* using the stock hardware. **See PHOTO 5**. ***NOTE: On 09 F250 Models the brake line will reinstall in the factory location.***

PHOTO 5

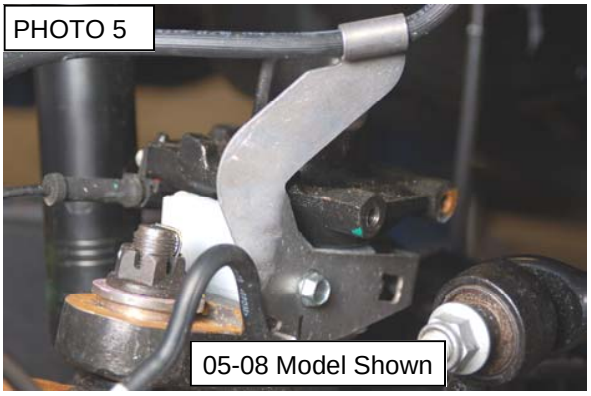



PHOTO 6



10. Reinstall the coil spring and jack up the front of the vehicle to apply pressure to the coils.
11. Reinstall the stock shock absorbers using factory hardware. Tighten fasteners.
12. Install the tire/wheels and lower the vehicle to the ground.
13. Reinstall the stock sway bar link as shown in **PHOTO 6** and tighten using factory hardware.

**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. Re torque all fasteners after 500 miles. Visually inspect components and re-torque fasteners during routine vehicle service.
3. Readjust headlights to proper settings and have steering wheel re-centered.



ROUGH COUNTRY SUSPENSION SYSTEMS