TRAIL FORTRESS

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Rough Country 51017 Installation Instructions

2 Inch Leveling Kit for 2017–2025 Ford F-250/F-350 4WD

Part number: 51017

trailfortress.com/2-inch-leveling-kit-ford-f250-f350-4wd-rough-country-51017

Scan for fitment, price and install help

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ROUGH COUNTRY SUSPENSION SYSTEMS®

51017BAG

2017-20 F250 SUPERDUTY 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. 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 not 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.

This 2” suspension system was developed for **33x12.50x17** tire on a factory wheel.

⚠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 / 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.

Tools Needed:

18mm Socket
18mm Wrench
19mm Socket
19mm Wrench
21mm Socket
21mm Wrench
23mm Socket
24mm Socket
30mm Socket
Jack Stands
Floor Jack
Wheel Chocks

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

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51017 Kit Contents:

Kit Boxes Containing:

51017:

51017BAG x1
514BAG1
1486BAG3 x1
Front Coil Spacers x2
Track Bar Bracket x1

Kit Bags Containing:

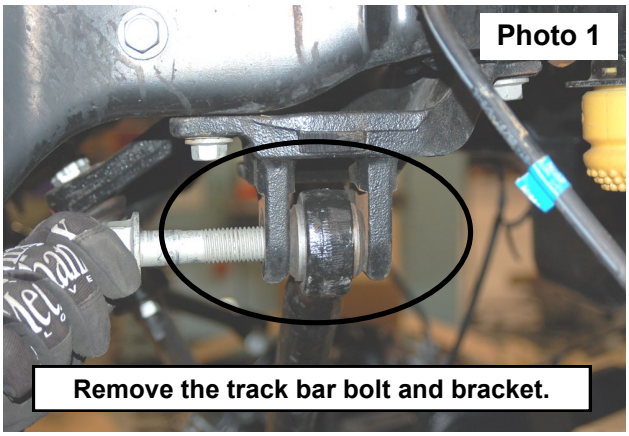
51017BAG:
Instructions
514BAG1:
14mm-2.0mm x 100mm Bolts x2
1486BAG3:
Cam Plates for track bar bracket x2

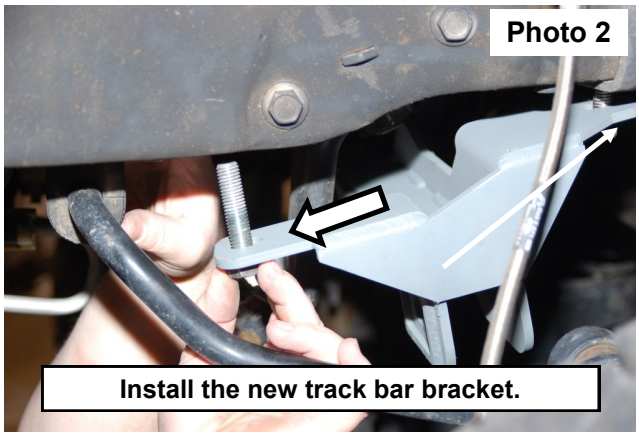
Kit Picture



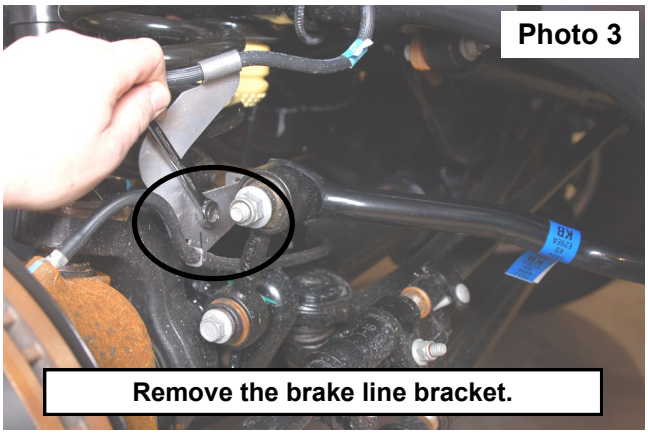
FRONT INSTALLATION INSTRUCTIONS

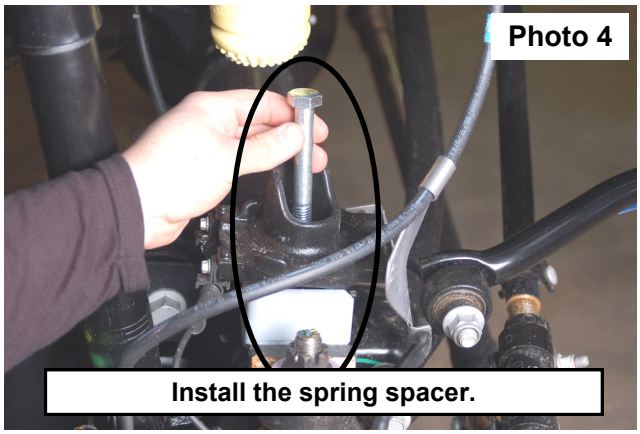
1. Place the vehicle on a level surface and chock the rear wheels.
2. Jack up the front of the vehicle and support with jack stands on the frame rail.
3. Remove the front wheels and tires. Support the axle with a floor jack.
4. Remove the stock shock absorber lower bolt using a 18mm wrench. Retain the lower shock mounting bolt for reuse.
5. Remove the track bar from the frame as shown in **Photo 1** using a 21mm and 30mm socket / wrench and retain the factory hardware. Remove the factory track rod bracket using a 21mm socket and install the new track rod bracket in the factory location using the factory hardware. **See Photo 2.** Torque to 120 ft-lbs. using a 21mm socket.
6. Remove the lower sway bar nut on the axle using a 21mm wrench to allow the axle to move downward for the installation of the new coil.



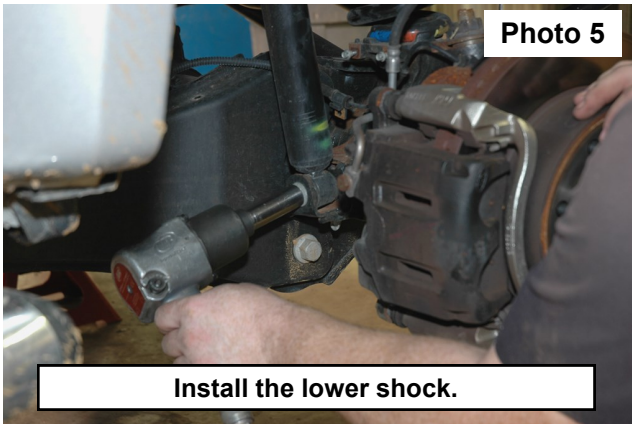


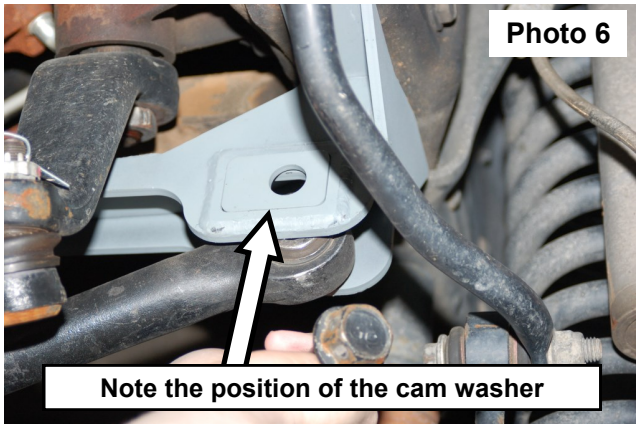
7. Using the floor jack, lower the axle to allow for the coil spring to be removed from the coil mount. Take notice of the position of the coil wraps on the top and bottom spring in the mount. The coil will be reinstalled in the same position.
8. Remove the brake line bracket as shown using a 10mm wrench. **See Photo 3.**
9. Remove the lower coil seat using a 21mm socket and install the supplied spring spacer in between the axle and the coil seat with the supplied 14mm x 100mm bolt. Torque to 85 ft-lbs. with a 22mm socket. **See Photo 4.**
10. Reinstall the stock coil springs and slightly compress the coils springs in the mount using the floor jack. Reinstall the sway bar nut using a 21mm wrench & socket.
11. Install the front lower shock into the mount. Use the OE hardware and tighten using a 18mm wrench. **See Photo 5.**





12. Reinstall the brake line bracket using the stock bolt. Tighten using a 10mm wrench.
13. Install the wheels/tires. Jack up the vehicle and remove jack stands. Lower the vehicle to the ground.
14. Position the cam washer as shown in **Photo 6** and swing up the frame end of the track rod. Install in the frame mount using the stock hardware, Torque to 270 ft-lbs. using a 30mm socket and wrench. **Note: It may be necessary to have another person turn the vehicle as it sits still to align the track rod with the mount.**





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