TRAIL FORTRESS

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Rough Country 10009WC Installation Instructions

Air Spring Kit with Compressor for F-150 4WD (2021–2025)

Part number: 10009WC

trailfortress.com/air-spring-kit-f150-4wd-rough-country-10009wc

Scan for fitment, price and install help



FORD 2015-21 F-150 Rear Air Spring Kit

Thank you for choosing Rough Country for all your vehicle needs.
Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.
If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product.
Check all fasteners for proper torque. Check to ensure for adequate clearance between all components.
Periodically check all hardware for tightness.

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.

PRODUCT USE INFORMATION

⚠WARNING As a general rule, the taller a vehicle is the easier it will roll. We strongly recommend, because of rollover possibility, that 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/heavier 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, with this 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 **NOTICE TO DEALER AND VEHICLE 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.

⚠NOTICE **Note to installer**: Before installation begins we recommend that a test drive be performed. While driving check for uncommon sounds and/or vibrations . What you feel and hear during the test drive will only magnify once lift kit is installed. Advise you to discuss possible issues identified from drive with customer before proceeding to install this kit.

⚠NOTICE **Airbags will not increase the maximum load capacity**.

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

⚠NOTICE

Min/Max psi for Airbags:

5-100 psi

trailfortress.com/air-spring-kit-f150-4wd-rough-country-10009wc

Kit Contents:
Air Bags x2
Dr Side Upper Mount x1
Pass Side Upper Mount x1
Dr Side Lower Mount x1
Pass Side Lower Mount x1
U-Bolt Plates x4
90° Fittings x2
Inflation Valves x2
Block Shims x8
2021 Models Only
Headlight Frame Bracket x1
Headlight Air Bag Bracket x1

Tools Needed:
8mm Socket/Wrench
13mm Socket/Wrench
19mm Socket/Wrench
7/16” Socket/Wrench
9/16” Socket/Wrench
5/8” Socket/Wrench
Trim Remover Tool

Hardware Included:
3/8” x 1” Bolts x8
3/8” x 1-1/4” Bolts x4
3/8” Flat Washers x12
3/8” Lock Washers x12
1263BAG2 (U-bolts) x1
Air Line x20ft
1/4” x 1” Bolts x2
1/4” Flat Washers x4
1/4” Lock Nuts x2
0.187 Thick Washer x1



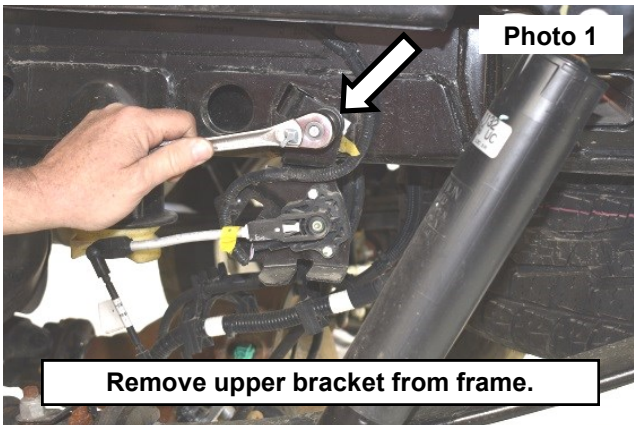
2015-20 Models.

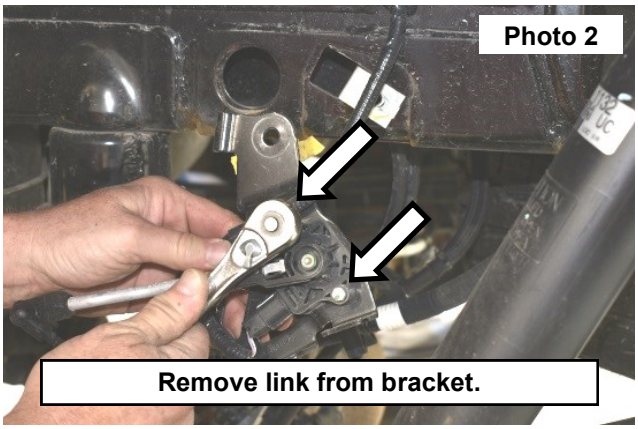


2021 Models.

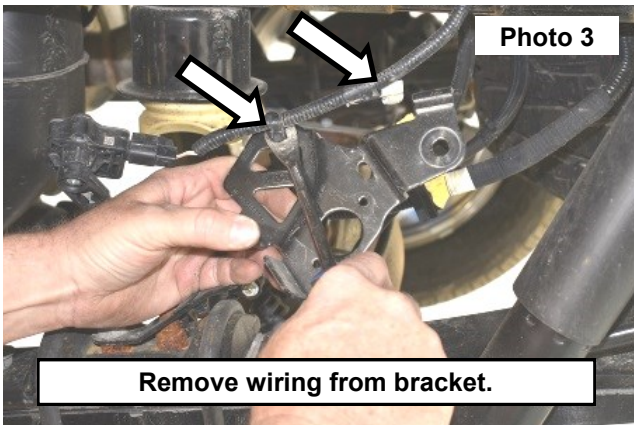
INSTALLATION INSTRUCTIONS

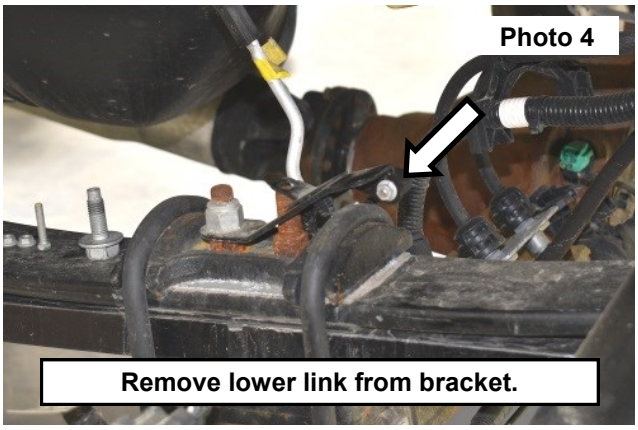
1. Jack up the rear of the vehicle and place on jack stands. Remove the rear wheels.
2. **NOTE: For 2015-20 vehicles or 2021 models without head light actuator, skip to step 10.** Remove the upper bracket from the frame using a 19mm socket/wrench. **See Photo 1**.
3. Remove the upper link from the upper bracket using an 8mm socket/wrench. **See Photo 2**.



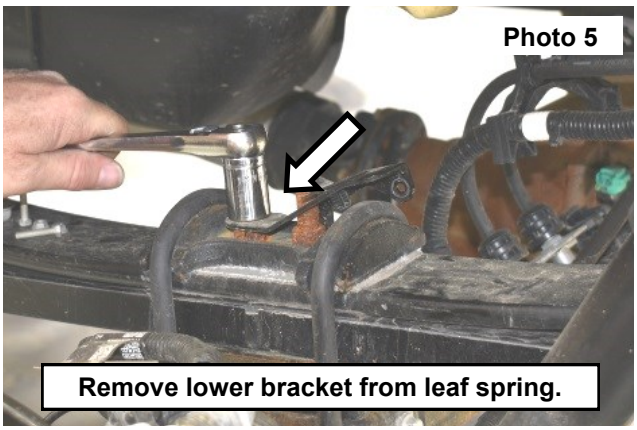


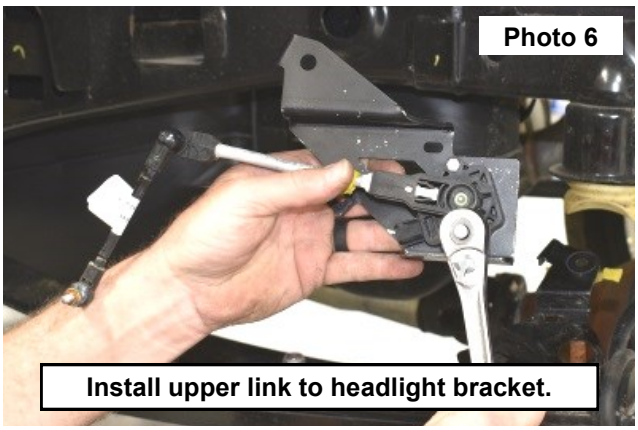
4. Remove the wiring from the bracket using a trim remover tool. **See Photo 3**.
5. Remove the lower link from the bracket using an 8mm socket/wrench. **See Photo 4**.



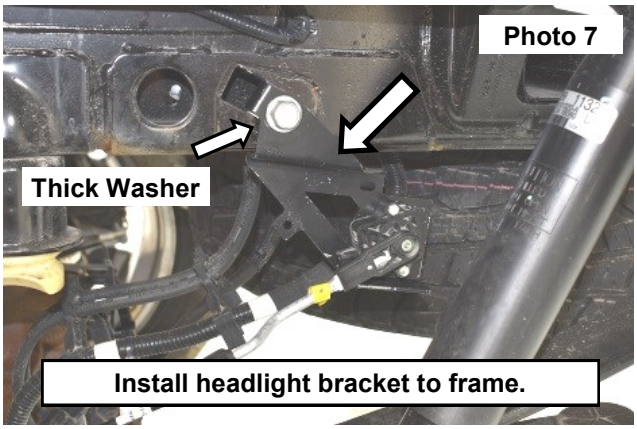


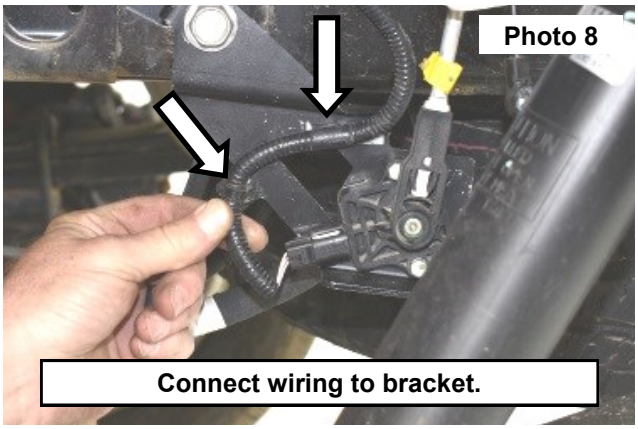
6. Remove the lower bracket from the leaf spring using a 19mm socket/wrench. **See Photo 5**.
7. Install the upper link to the headlight bracket using stock hardware. **See Photo 6**.



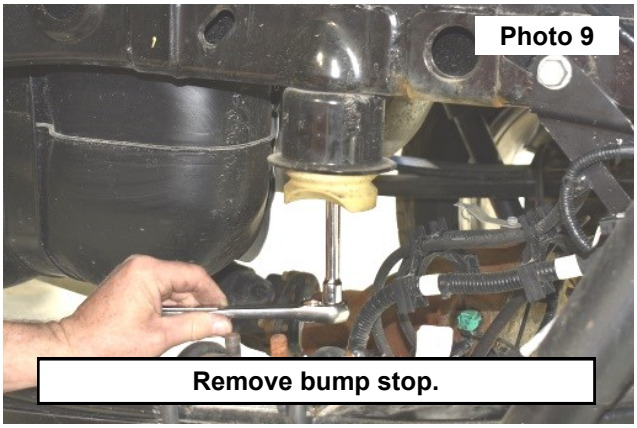


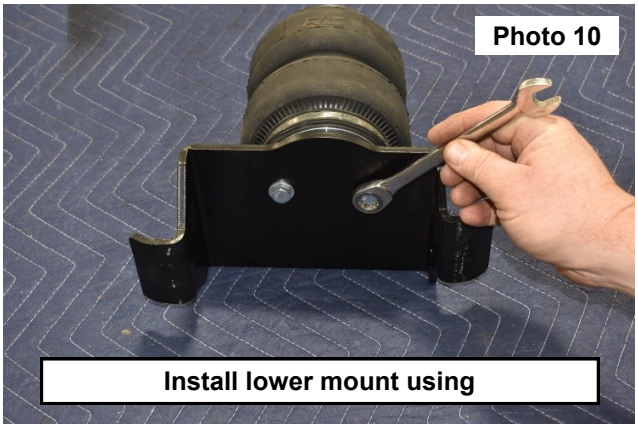
8. Install the headlight bracket to the frame using stock hardware and 0.187” thick washer. **See Photo 7**.
9. Connect wiring to headlight bracket. **See Photo 8**.



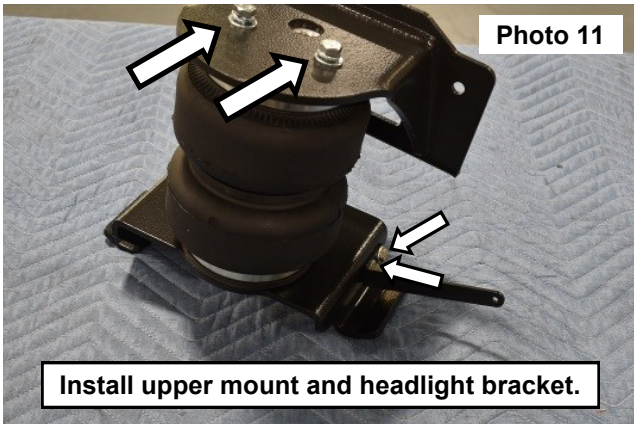


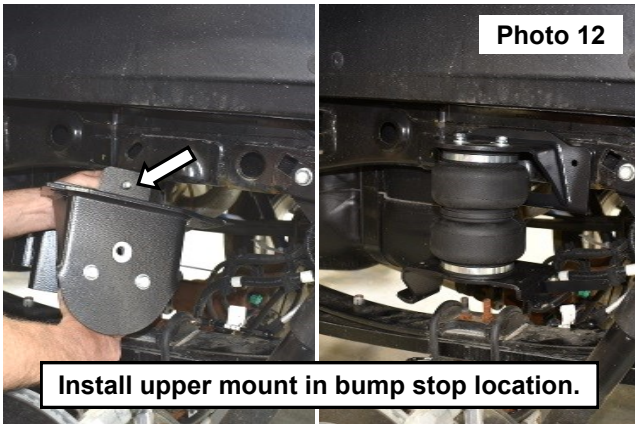
10. Remove the bump stop using a 13mm socket. **See Photo 9**.
11. Install the lower mount with 3/8” x 1” bolts and washers using a 9/16” socket/wrench. **See Photo 10**.



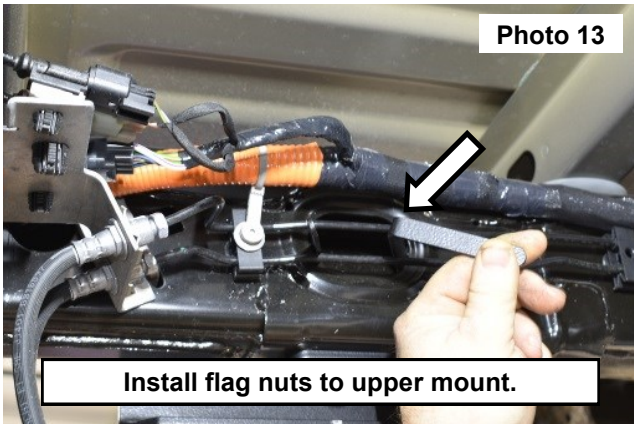


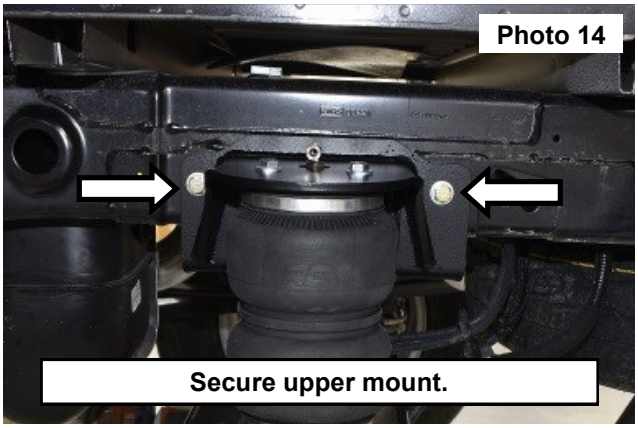
12. Install the upper mount with 3/8” x 1” bolts and washers using a 9/16” socket/wrench. Install the headlight bracket with 1/4” hardware using 7/16” socket/wrench. **See Photo 11**.
13. Install the upper mount in the stock bump stop location using the stock bolt. **See Photo 12**.



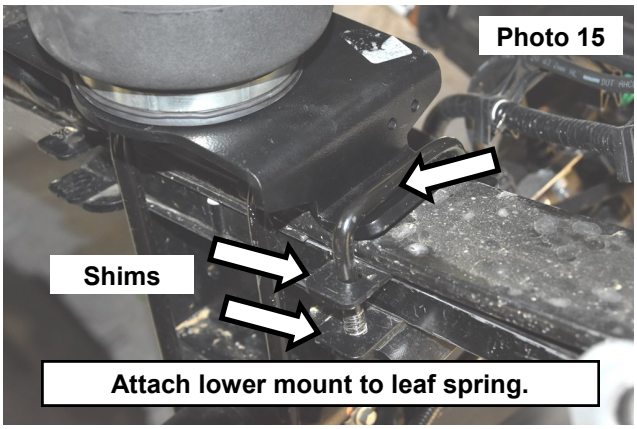


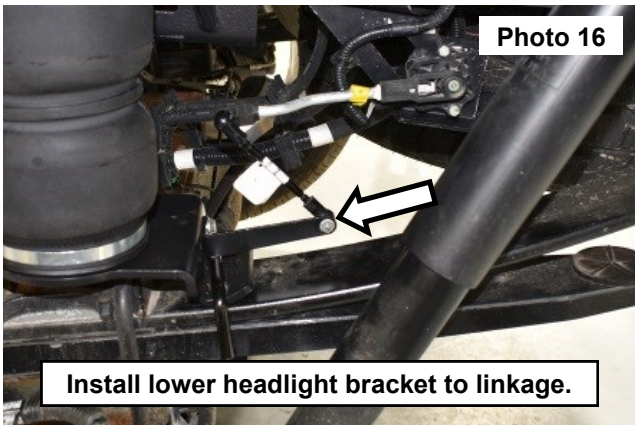
14. Secure the upper mount with the supplied flag nuts, 3/8” x 1-1/4” bolts, lock washers, and flat washers using a 9/16” socket/wrench. **See Photo 13** and **Photo 14**.



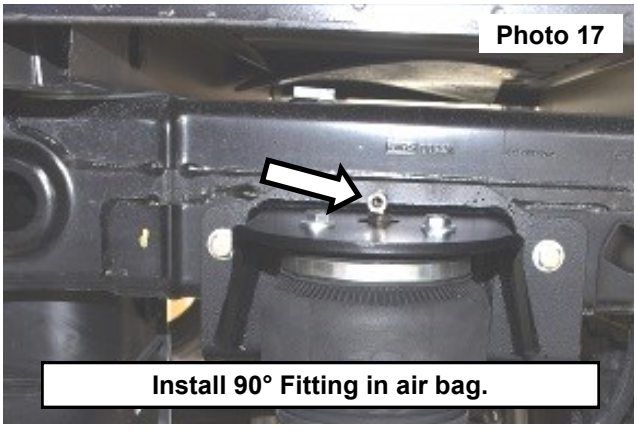


15. Attach the lower mount to the leaf springs with the supplied U-bolts, plates, shims and hardware using a 5/8” socket/wrench. **NOTE: U-bolt plates will only be used if rear is not equipped with anti-wrap blocks. See Photo 15**.
16. Attach the lower headlight bracket to the linkage using stock hardware and 8mm socket/wrench. **See Photo 16**.





17. Install the 90° fitting in the air bag using 9/16” wrench. **See Photo 17**.





18. Attach airline and route to desired location. **NOTE: Max/Min for Airbags is 5-100 psi.**
19. Put on wheels and lower.