TRAIL FORTRESS

BUILT FOR THE TRAIL. CHECKED FOR YOUR TRUCK.

Rough Country 50013 Installation Instructions

1-Inch Leveling Kit for CCD-Equipped Ford Expedition

Part number: 50013

trailfortress.com/1-inch-leveling-kit-ccd-equipped-ford-expedition-rough-country-50013

Scan for fitment, price and install help



FORD 2023 EXPEDITION W/ CCD 1” LIFT

Thank you for choosing Rough Country for all your vehicle 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 this 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

⚠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.

⚠WARNING 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.

This leveling kit was developed using a 295/50R22 tire on a factory 22” wheel. **Note**: If offset wheels are used trimming may be required. If you have any questions concerning the design, function, and correct use of our products please contact us at 1-800-222- 7023.

⚠NOTICE **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.

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

KIT CONTENTS

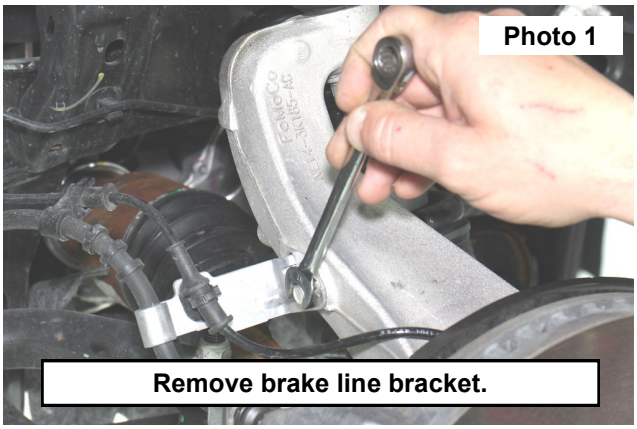
Front Lower Strut Spacer - 4
NEWBAG1
- **4 - 12mm x 90mm Bolt**
- **4 - 7/16” Flat Washer**
- **4 - 12mm Flange Lock Nut**

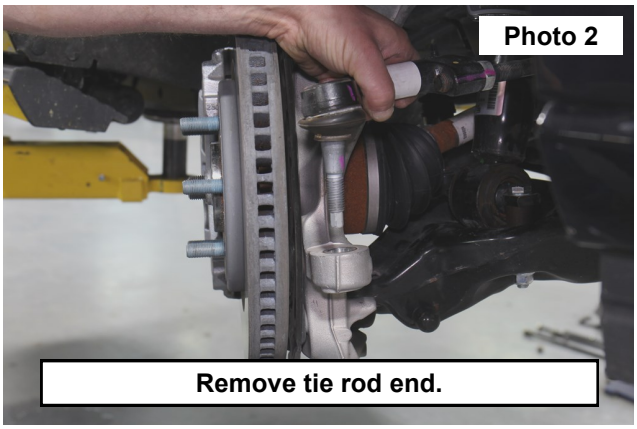
Tools Required:
8mm Wrench or Socket
10mm Wrench or Socket
13mm Wrench or Socket
15mm Wrench or Socket
17mm Wrench or Socket
18mm Wrench or Socket
19mm Wrench or Socket
21mm Wrench or Socket
30mm Socket
1 1/16” Wrench
T40 Torx
Floor Jack
Jack Stands
Hammer
Pry Tool



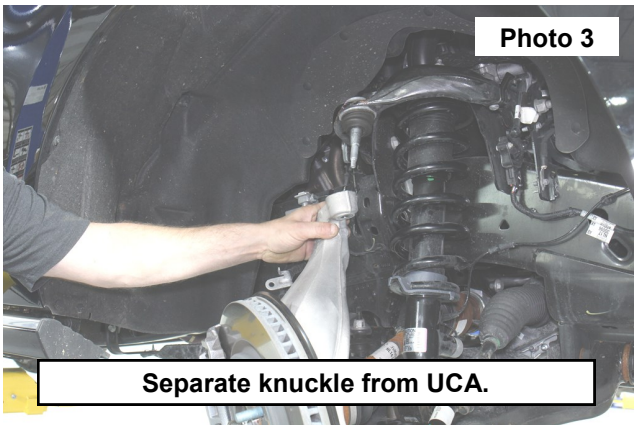
FRONT INSTALLATION INSTRUCTONS

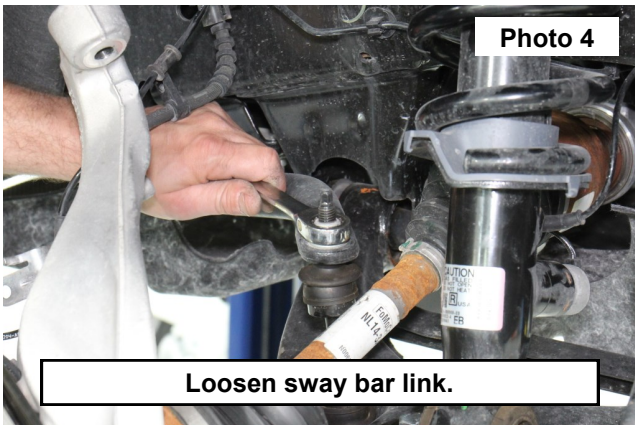
1. Chock the rear wheels and use a floor jack to lift the front of the vehicle. Place jack stands under the frame rails to support the vehicle. Remove front wheels.
2. Remove the brake line bracket from the knuckle using a 10mm wrench. Retain hardware for reuse. **See Photo 1.**
3. Use a 21mm wrench to loosen the tie rod end. Do nut fully remove nut. Strike the knuckle with a hammer to release the taper. Separate tie rod end from knuckle. Retain hardware for reuse. **See Photo 2.**



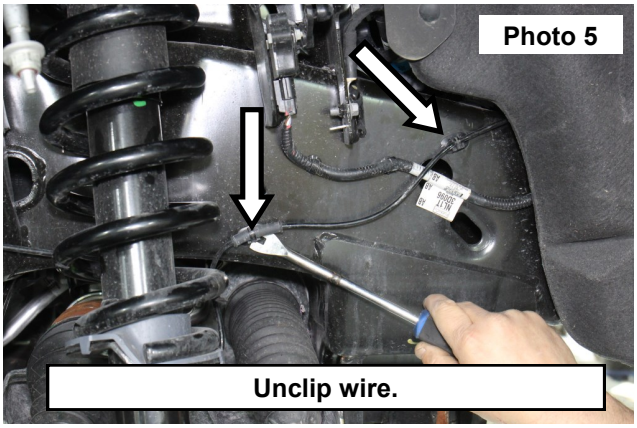


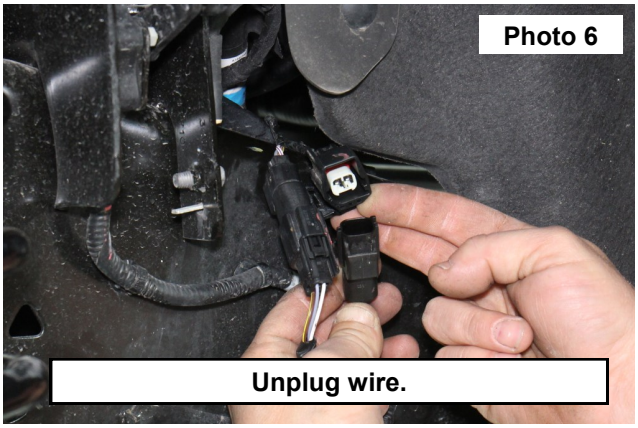
4. Loosen the upper ball joint with an 18mm wrench. Strike knuckle with hammer to release the taper and then remove the nut. Separate knuckle from upper control arm. Retain hardware for reuse. **See Photo 3.**
5. Loosen the sway bar link using an 18mm wrench. Do not fully remove. **See Photo 4.**



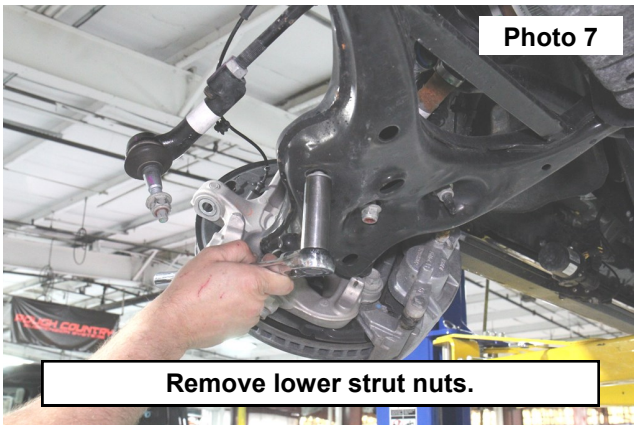


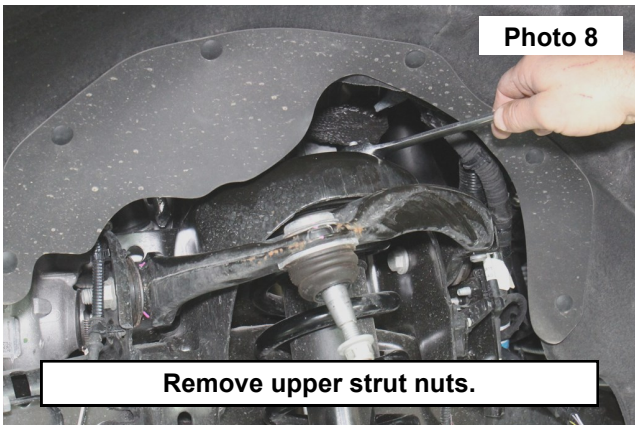
6. Use a pry tool to unclip the wire from the vehicle frame and carefully move wire out of the way. **See Photo 5.**
7. Unplug the previously loosened wire. **See Photo 6.**



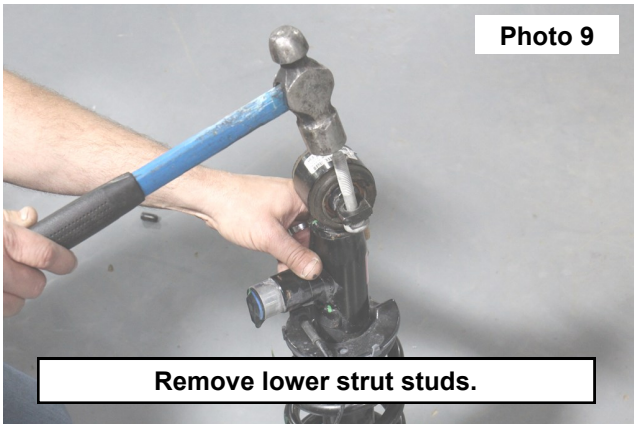


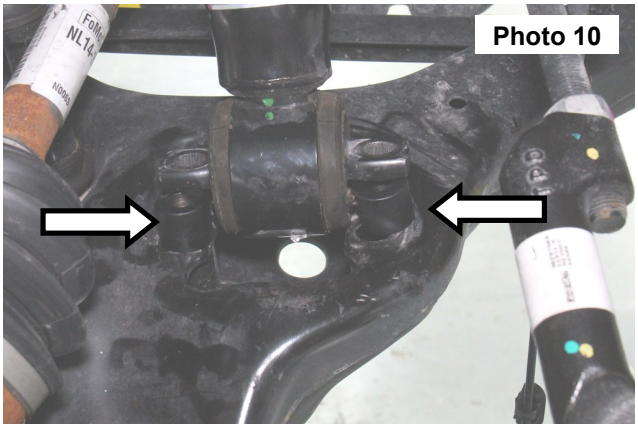
8. Remove lower strut nuts using an 18mm socket. **See Photo 7.**
9. Remove upper strut nuts using an 18mm wrench. Retain hardware for reuse. **See Photo 8.**
10. Remove the strut from the vehicle. Be careful to not snag the CCD wire.



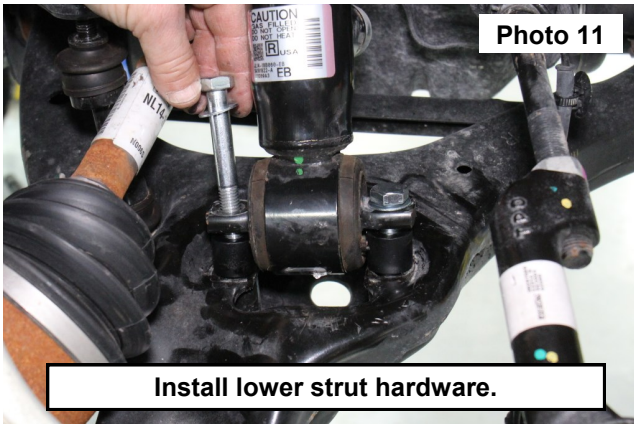


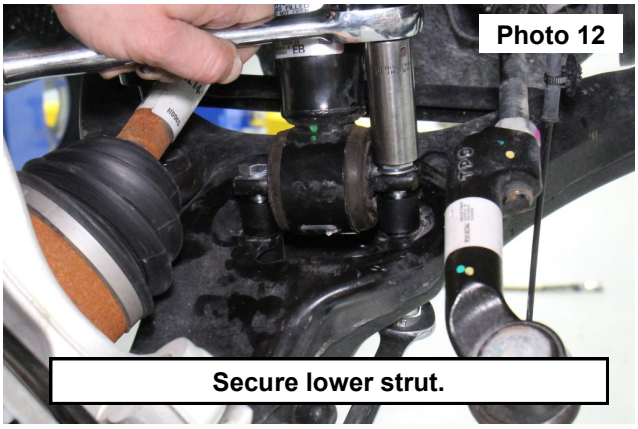
11. Use a hammer to tap out the lower strut studs. **See Photo 9.**
12. Reinstall the upper strut using the factory hardware. Tighten with an 18mm wrench.
13. Place two (2) of the supplied spacers underneath the lower strut bar pin. **See Photo 10.**
14. Place two (2) supplied 12mm x 90mm bolt and 7/16” flat washer through the lower strut bar pin and spacers. **See Photo 11.**





15. Secure previously installed hardware with two (2) supplied flange lock nut. Tighten with an 18mm and 19mm wrench. **See Photo 12.**
16. Reinstall remaining components in reverse order of disassembly.
17. Repeat Steps 2 - 17 for other side of vehicle.





18. Place wheels back on vehicle and lower vehicle to the ground.

POST INSTALLATION INSTRUCTIONS

1. Check all fasteners for proper torque. Check to ensure there is adequate clearance between all rotating, mobile, fixed and heated members. Check steering gear for interference and proper working order. Test brake system
2. Perform steering sweep. Check to ensure brake hoses have sufficient slack and will not contact rotating, mobile, or fixed members, adjust lines/brackets to eliminate interference and maintain proper working order. Failure to perform inspections may result in component failure
3. Readjust headlights to factory settings
4. Have vehicle aligned by a certified alignment professional.
5. All components must be retightened after 500 miles, and every three thousand miles after installation

