TRAIL FORTRESS

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Rough Country 50012 Installation Instructions

2-Inch Lift Kit for 2018–2024 Ford Expedition 4WD

Part number: 50012

trailfortress.com/rough-country-2-inch-lift-kit-50012

Scan for fitment, price and install help

ROUGH COUNTRY SUSPENSION SYSTEMS®

921500120

FORD 2023 EXPEDITION W/ CCD 2” 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 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

trailfortress.com/rough-country-2-inch-lift-kit-50012

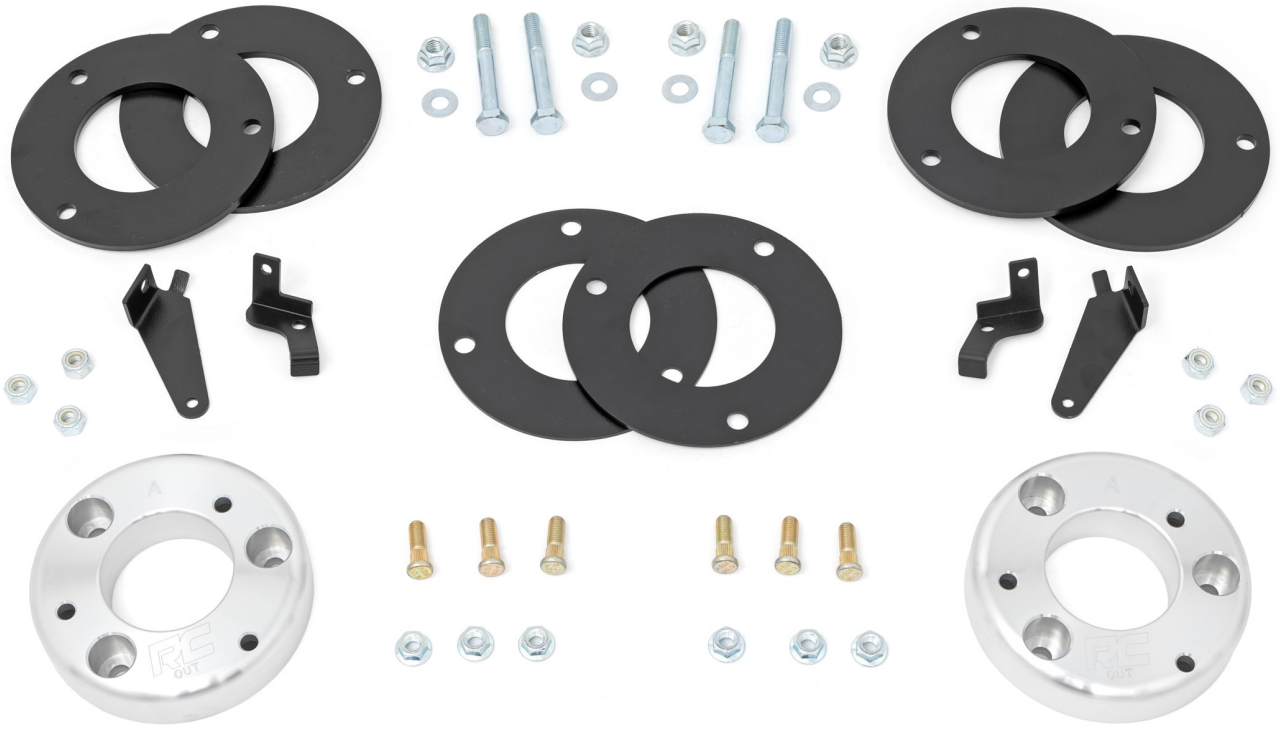
KIT CONTENTS

Rear Strut Spacer 1/4” - 4
Rear Strut Spacer 1/8” - 2
Dr Rear CCD Bracket
Pass Rear CCD Bracket
Dr Front CCD Bracket
Pass Front CCD Bracket
50012BAG1
- **4 - 12mm x 90mm Bolt**
- **4 - 7/16” Flat Washer**
- **4 - 12mm Lock Nut**

10MMSTUDBAG-2
- **6 - 10mm Nuts**
- **6 - 10mm Studs**

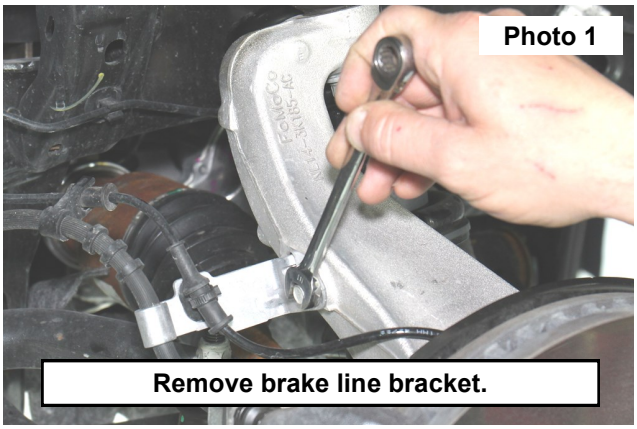
Front Strut Spacer - 2
569BAG1
- **6 - 10mm Lock Nut**

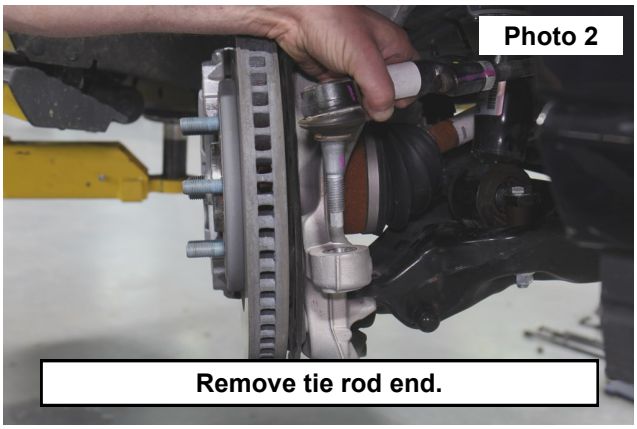
Tools Required:
8mm Wrench or Socket
10mm Wrench or Socket
13mm Wrench or Socket
15mm Wrench or Socket
17mm Wrench & Socket
18mm Wrench or Socket
19mm Wrench or Socket
21mm Wrench or Socket
30mm Socket
1 1/16” Wrench
Spring Compressor
T40 Torx
Floor Jack
Jack Stands
Hammer
Pry Tool



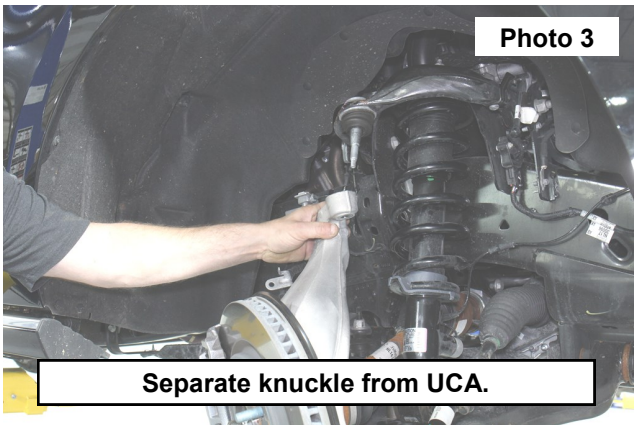
FRONT INSTALLATION INSTRUCTONS

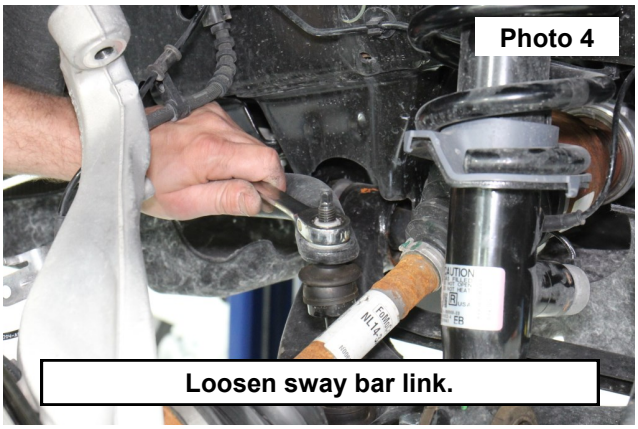
1. Chock the rear wheels and use a floor jack to lift the front of the vehicle. Place jack stands under the frame rails to support the vehicle. Remove front wheels.
2. Remove the brake line bracket from the knuckle using a 10mm wrench. Retain hardware for reuse. **See Photo 1.**
3. Use a 21mm wrench 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.**



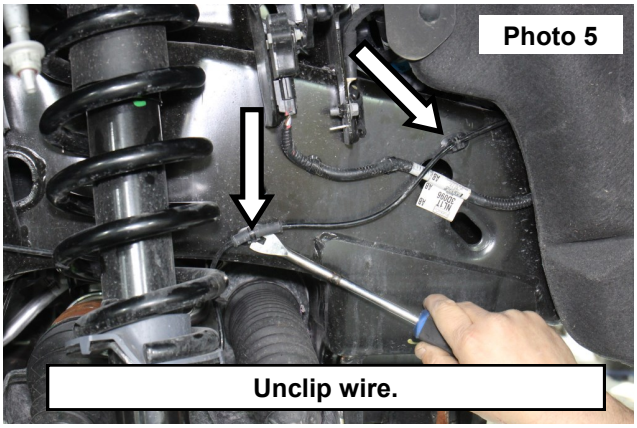


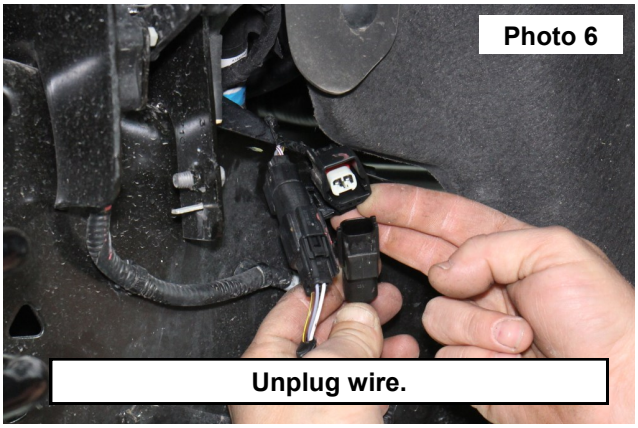
4. Loosen the upper ball joint with an 18mm wrench. Strike knuckle with hammer to release the taper and then remove the nut. Separate knuckle from upper control arm. Retain hardware for reuse. **See Photo 3.**
5. Loosen the sway bar link using an 18mm wrench. Do not fully remove. **See Photo 4.**



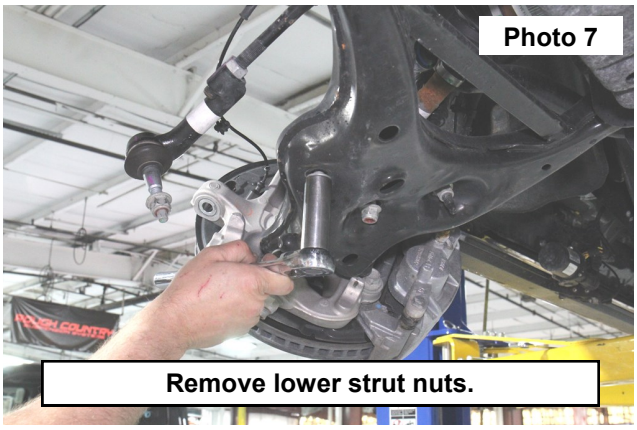


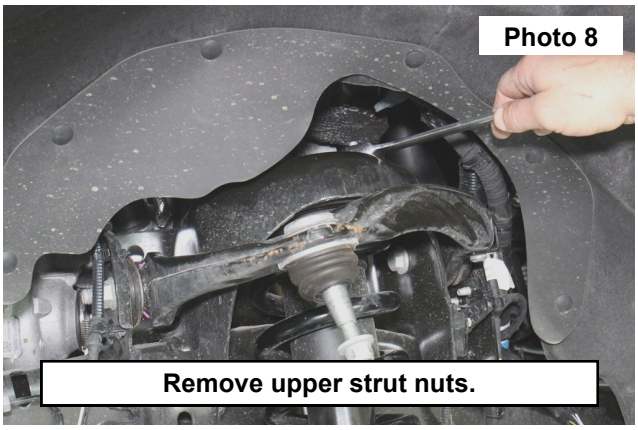
6. Use a pry tool to unclip the wire from the vehicle frame and carefully move wire out of the way. **See Photo 5.**
7. Unplug the previously loosened wire. **See Photo 6.**



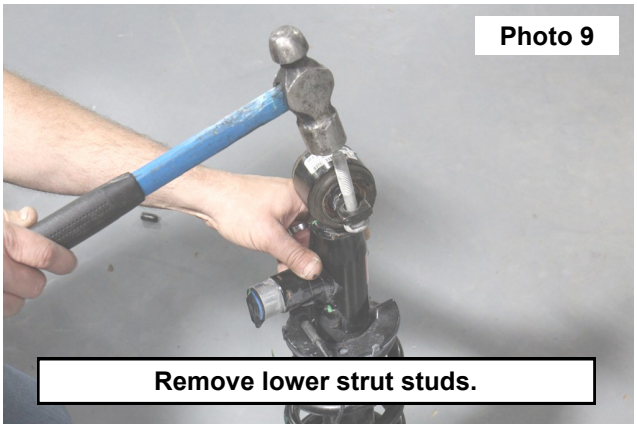


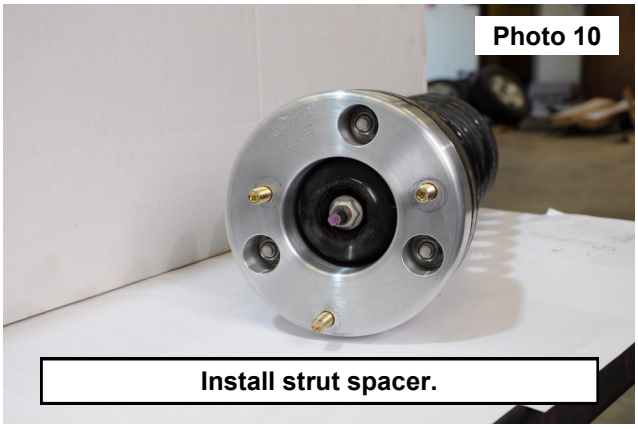
8. Remove lower strut nuts using an 18mm socket. **See Photo 7.**
9. Remove upper strut nuts using an 18mm wrench. **See Photo 8.**
10. Remove the strut from the vehicle. Be careful to not snag the CCD wire.



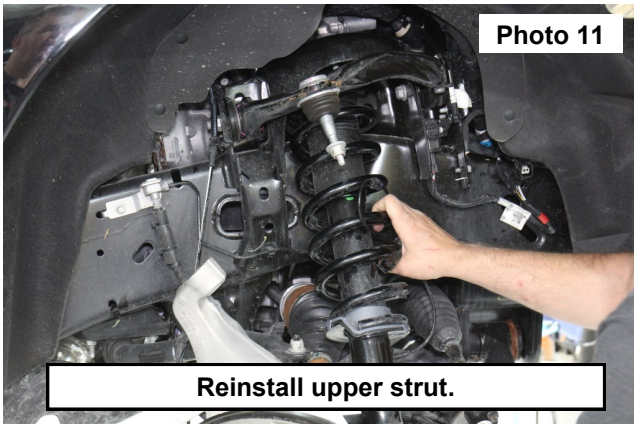


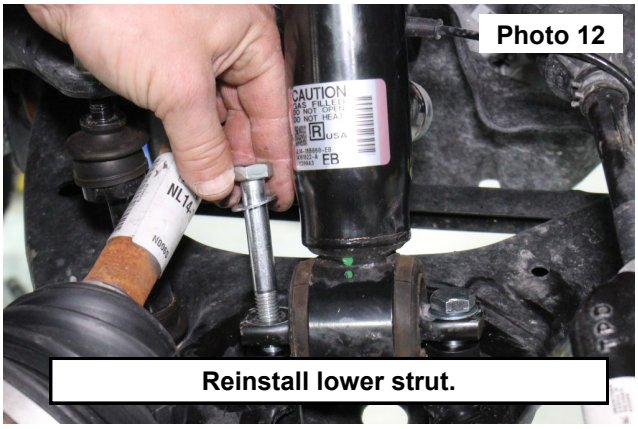
11. Use a hammer to tap out the lower strut studs. **See Photo 9.**
12. Use a strut compressor to spin the upper strut mount 180° from the factory position. **NOTE:** Make sure spring isolator does not spin on top of the coil.
13. Insert the studs from 10MMSTUDBAG-2 through the back side of the spacer. Use the supplied washers and nuts to pull the stud into place. Install the spacer onto the strut with the supplied 10mm lock nuts and a 17mm socket. **Make sure the RC logo faces out. See Photo 10.**



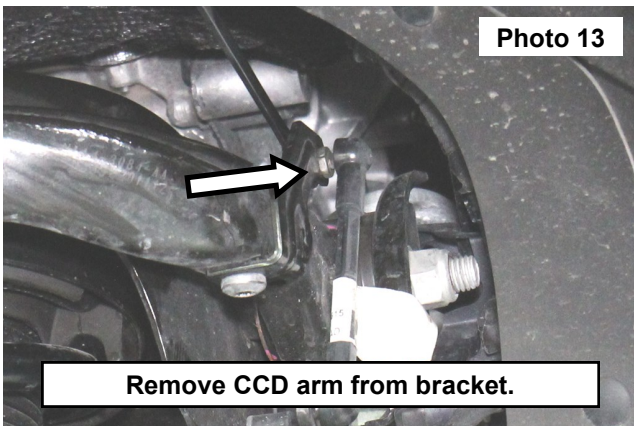


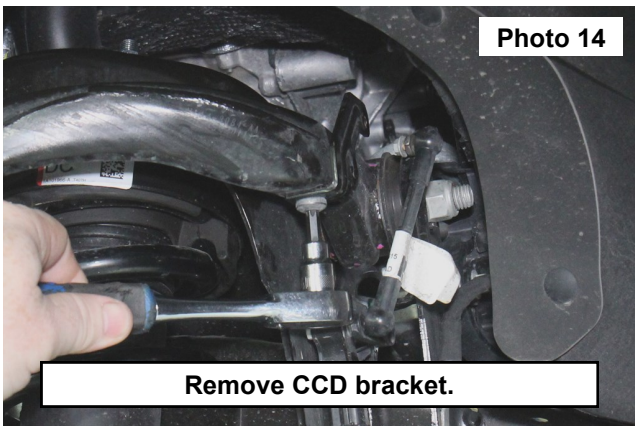
14. Reinstall the strut assembly into the upper mount using the 10mm lock nuts from 569BAG1. Tighten with a 13mm wrench. **See Photo 11.**
15. Reinstall the lower strut mount using the supplied 12mm hardware. Tighten with an 18mm and 19mm wrench. **See Photo 12.**





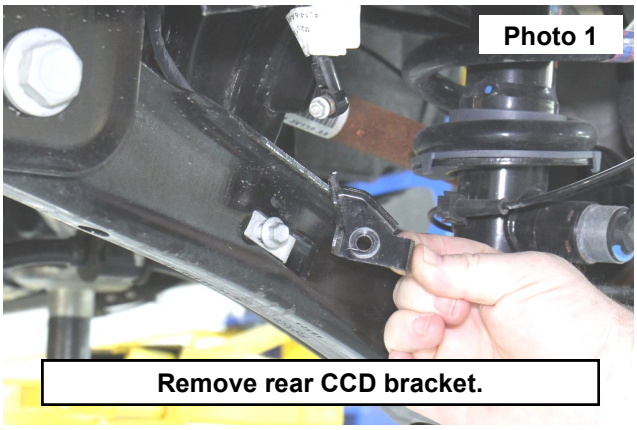
16. Remove CCD arm from upper control arm bracket using an 8mm wrench. Retain hardware for reuse. **See Photo 13.**
17. Use a T40 Torx to remove the CCD bracket from the upper control arm. **See Photo 14.**
18. Install the new CCD bracket and reassemble.
19. Repeat for other side.
20. Reinstall front wheels and lower vehicle

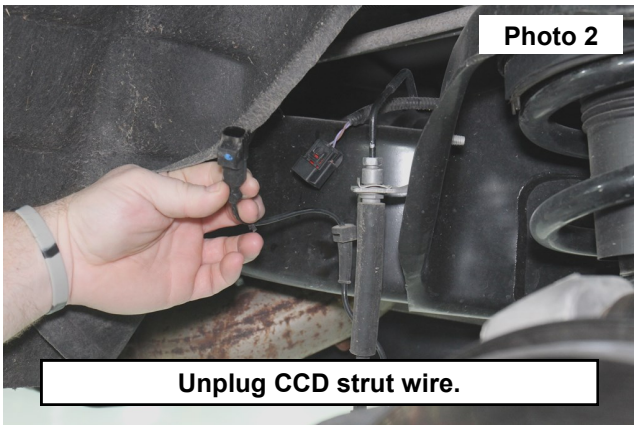




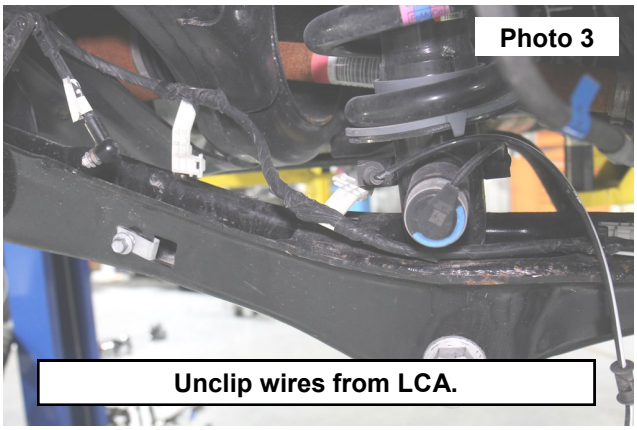
REAR INSTALLATION INSTRUCTONS

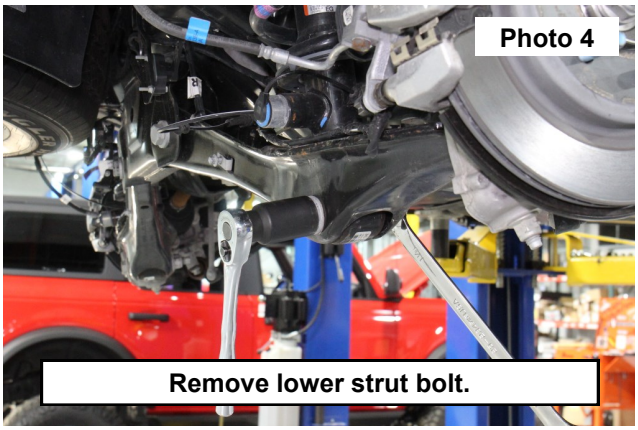
1. Chock the front wheels and use a floor jack to lift the front of the vehicle. Place jack stands under the frame rails to support the vehicle. Remove rear wheels.
2.
3. Use an 8mm wrench and 10mm wrench to remove the CCD bracket from the rear lower control arm. **See Photo 1.**
4. Unplug the rear strut CCD wire and release the wiring from the lower control arm. **See Photo 2 and Photo 3.**



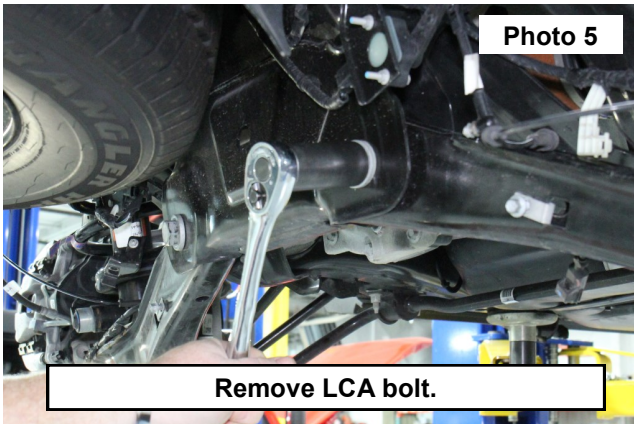


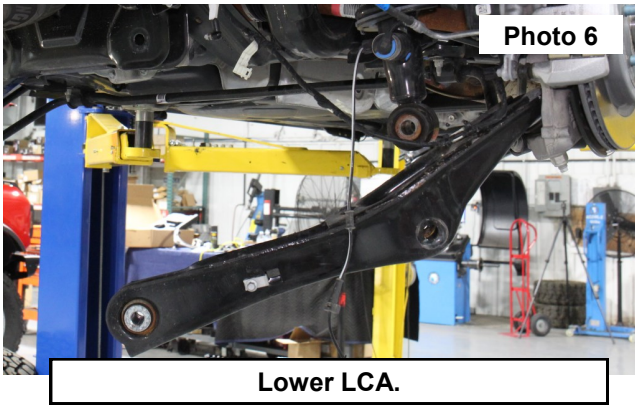
5. Remove the lower strut bolt using a 30mm socket and 1 1/16” wrench. Retain hardware for reuse. **See Photo 4.**



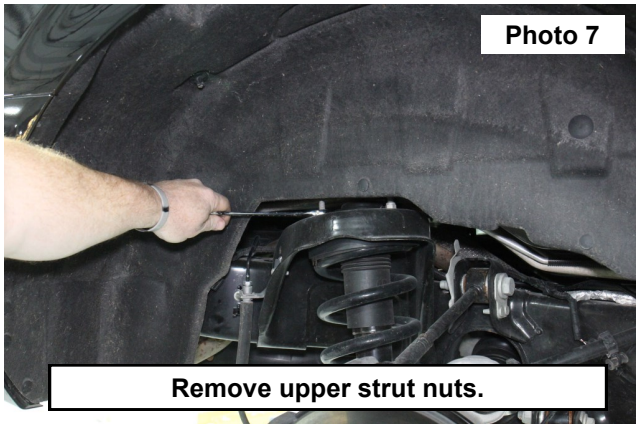


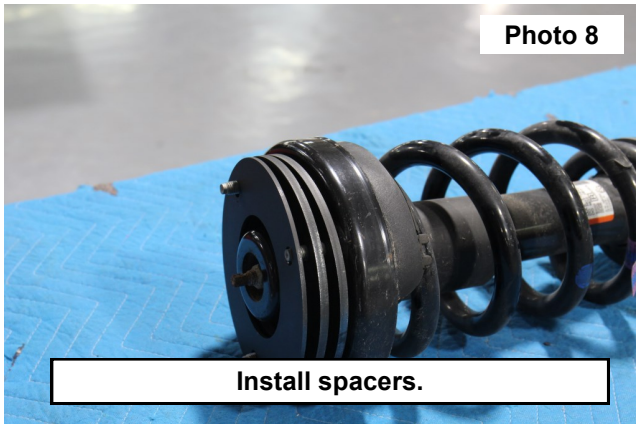
6. Remove the inner lower control arm bolt using a 1 1/16” socket. Retain hardware for reuse. **See Photo 5.**
7. Remove control arm from the pocket. **See Photo 6.**



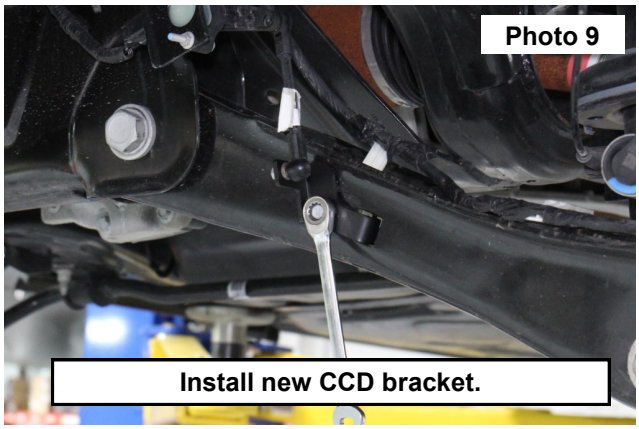


8. Remove the three upper strut nuts using a 15mm wrench. **See Photo 7.**
9. Remove rear strut from vehicle.
10. Place two (2) 1/4" rear spacers and one (1) 1/8" spacer on top of the rear strut. **See Photo 8.**
11. Reinstall strut using the supplied 10mm nuts. Tighten with a 17mm wrench.





12. Reinstall remaining components in reverse order of disassembly.
13. Install new CCD bracket using factory hardware. Tighten with 8mm and 10mm wrenches. **See Photo 9.**
14. Repeat for other side.
15. Reinstall rear wheels and lower vehicle.



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

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.