Rough Country 43701A Installation Instructions

Tubular Radius Arm Upgrade for F-250/F-350 Super Duty (2023–2025)

Part number: 43701A

trailfortress.com/tubular-radius-arm-upgrade-f250-f350-super-duty-rough-country-43701a

Scan for fitment, price and install help

ROUGH COUNTRY SUSPENSION SYSTEMS®

921437010

FORD 2023-24 F250 TUBULAR RADIUS ARM

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.

⚠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.

KIT CONTENTS:

43701BAG1
- 4 - Cam Plate
- 2 - 18mm x 130mm Bolt
- 2 - 18mm Lock Nut

Dr. Radius Arm
Pass. Radius Arm

Tools Required:
24mm Wrench and Socket



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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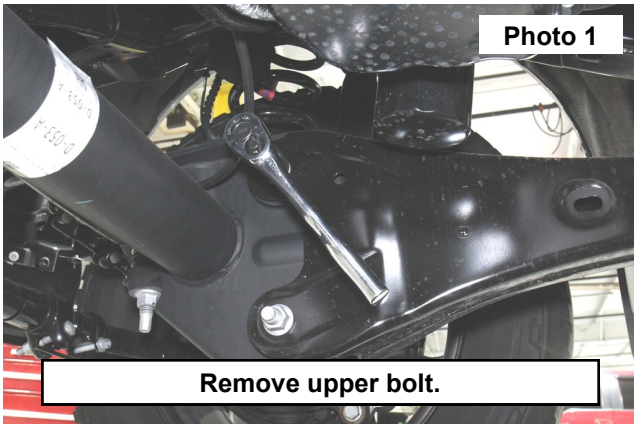
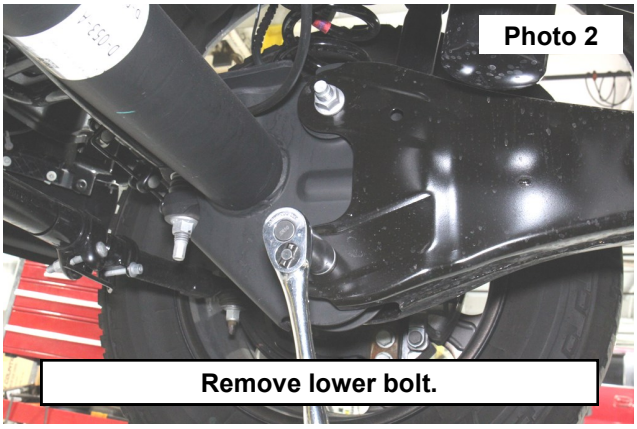
INSTALLATION INSTRUCTONS

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.

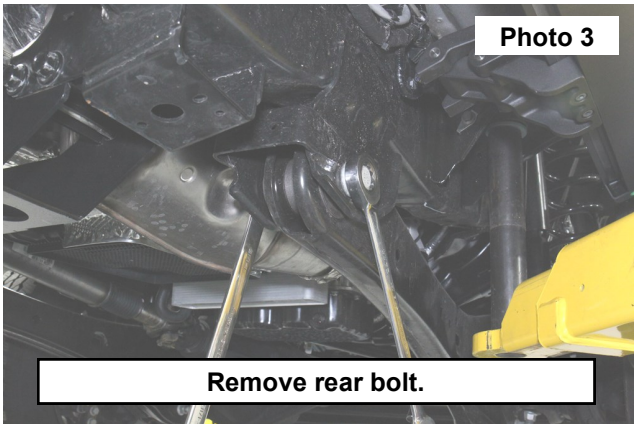
⚠ NOTICE **Remove radius arm drop brackets if equipped, before installing tubular radius arms**.

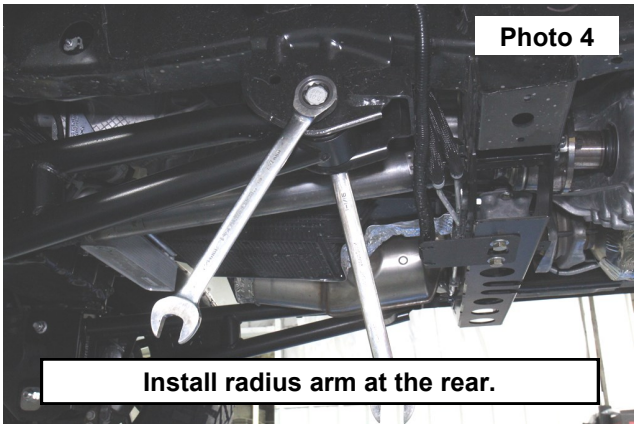
4. Remove upper radius arm bolt with a 24mm wrench and socket. Retain hardware for reuse. **See Photo 1.**



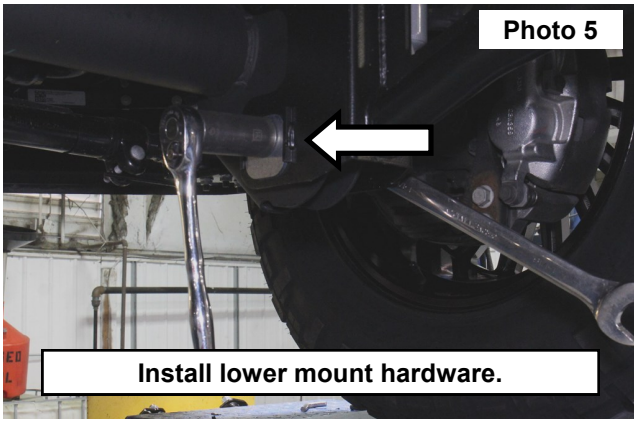


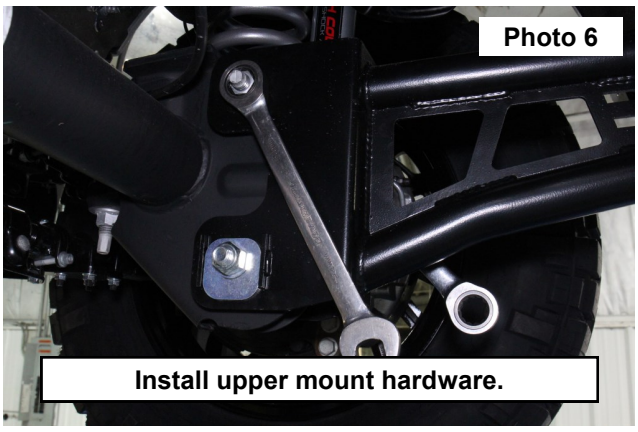
5. Remove the lower radius arm bolt using a 24mm wrench and socket. **See Photo 2.**
6. Remove rear radius arm bolt with a 24mm wrench and socket. Remove factory radius arm from vehicle. Retain hardware for reuse. **See Photo 3.**
7. Install supplied tubular radius arm at the rear using the factory hardware. Tighten with a 24mm wrench and socket. **See Photo 4.**





8. Use supplied 18mm x 130mm, (2) cam plates, and a supplied 18mm lock nut to secure the radius arm to axle in the lower bolt location. Tighten with a 24mm wrench and socket. **See Photo 5.**
9. Use the factory hardware to secure the radius arm to the upper bolt locations. **See Photo 6.**
10. Repeat for other side.
11. Reinstall wheels and lower vehicle to the ground.





POST INSTALLATION INSTRUCTIONS

1. Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floorboards, and wiring harness.
2. Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile, or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/ replacement may result in component failure.
3. On some vehicles, the front lower skirting will need to be trimmed if using certain wheel/tire combinations and with heavy offset wheels. Trim only as needed.
4. Activate four wheel drive system and check front hubs for engagement.
5. Have a qualified alignment center align the vehicle immediately. Realign to factory specifications.
6. Perform head light check and adjustment to proper settings.
7. Check and retighten wheels at 50 miles and again at 500 miles
8. All kit components must be retightened at 500 miles and then every 300 miles after installation. Periodically check all hardware for tightness.
9. Install “Warning to Driver” decal on sun visor.

NOTE: Installation of larger tires will require speedometer recalibration.

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.