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Rough Country 502142 Installation Instructions

M1 Loaded Strut Pair for 2021–2025 Ford Bronco 4WD, Part 502142

Part number: 502142

trailfortress.com/rough-country-m1-loaded-strut-pair-502142

Scan for fitment, price and install help

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ROUGH COUNTRY SUSPENSION SYSTEMS®



FORD 2021-22 Bronco Rear Strut Install

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. 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.
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.

PRODUCT USE INFORMATION

⚠WARNING 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.

⚠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. If questions exist we will be happy to answer them concerning the design, function, and correct use of our products.

⚠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.

Kit Contents:
Rear Struts x2

Tools Needed:
10mm Socket/Wrench
15mm Socket/Wrench
17mm Socket/Wrench
18mm Socket/Wrench
19mm Socket/Wrench
21mm Socket/Wrench

Hardware Included:
10mm-1.5 Flange Lock Nuts x6

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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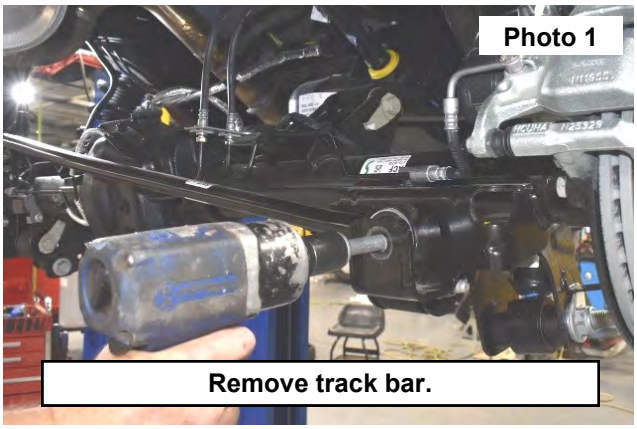
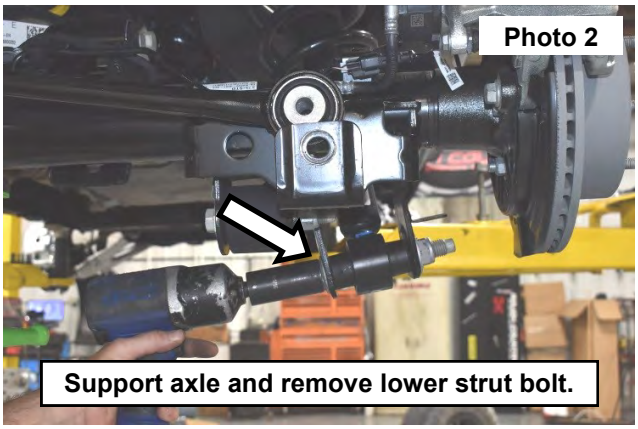
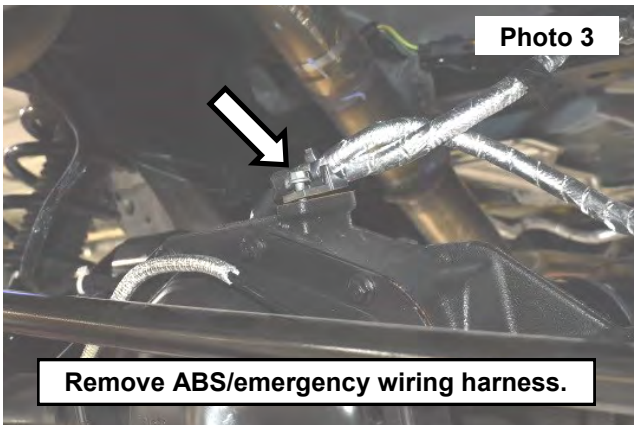
REAR INSTALLATION INSTRUCTIONS

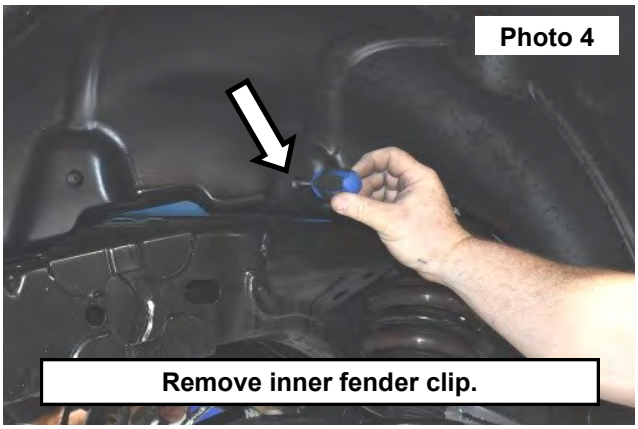
1. Jack up the rear of the vehicle and place on jack stands. Remove the rear wheels.
2. Remove the track bar using a 24mm socket/wrench. **See Photo 1**.
3. Support the axle and remove the lower strut bolt using a 1-1/16” socket/wrench. **See Photo 2**.



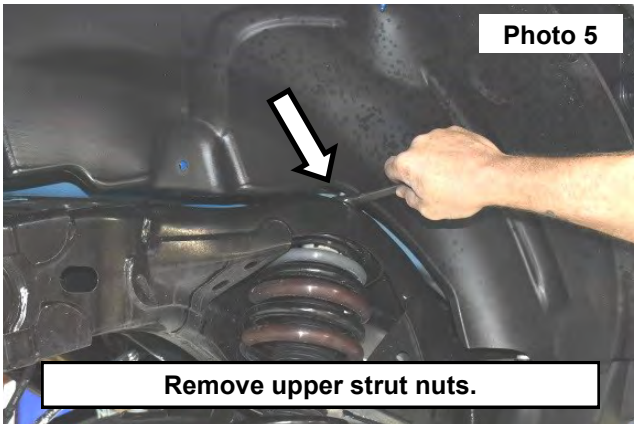


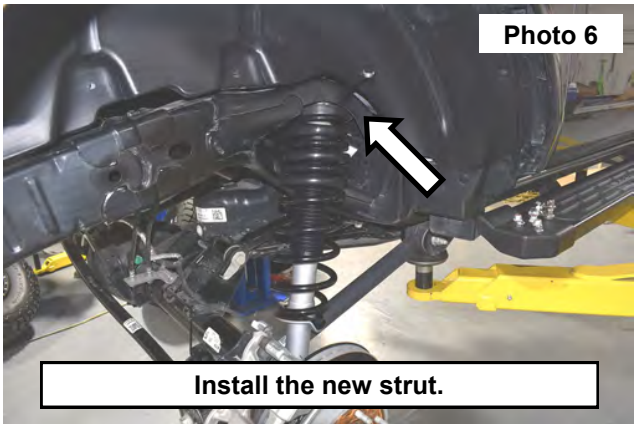
4. Remove the ABS/emergency wiring harness from the differential using an 8mm socket/wrench. **See Photo 3**.
5. Remove the clip holding the inner fender using a screw driver. **See Photo 4**.



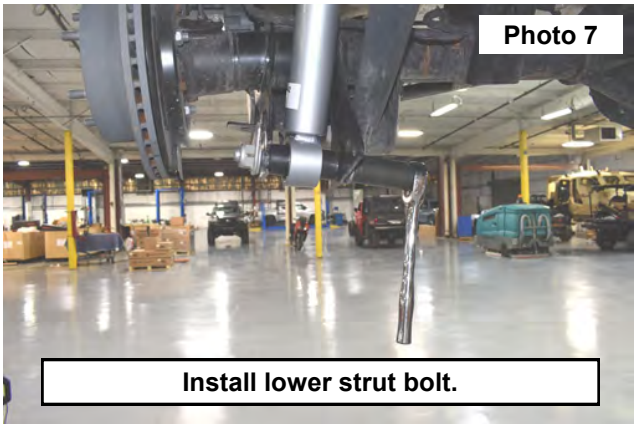


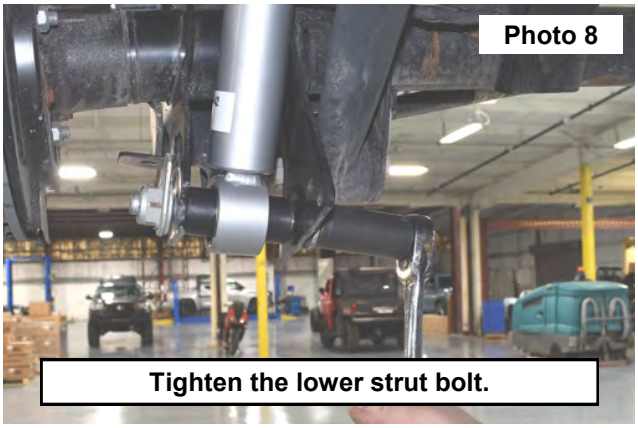
6. Remove the upper strut nuts using a 15mm wrench and remove strut from vehicle. **See Photo 5**.
7. Install the new RC strut into the upper mount and secure using the supplied 10mm flange nuts. **See Photo 6**.





8. Raise the axle and install the OE lower strut bolt. **See Photo 7**.
9. Reinstall stock hardware in reverse order.
10. Put on the wheels and lower.
11. Tighten the lower strut nut on the ground using a 1-1/16” socket/wrench. **See Photo 8**.







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