TRAIL FORTRESS

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Rough Country 51527991 Installation Instructions

Forged Upper Control Arms for Lifted 2021–2025 Ford Bronco

Part number: 51527991

trailfortress.com/forged-upper-control-arms-lifted-ford-bronco-rough-country-51527991

Scan for fitment, price and install help

FORD 2021+ Bronco 2.5-3.5” Upper Control Arm Kit

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 rollover. 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.

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

Alignment Specs

Front

Caster	**3.18° ± 0.60°**
Camber	**0.12° ± 0.50°**
Toe	**0.1°0 ± 0.15°**

Kit Contents

51527991

1- 3553 DR UPPER Control Arm
1- 3554 PA UPPER Control Arm

Bags

RC25121BAG –2
Ball Joint Hardware Bag
Flange Nuts
50017BAG– *1*
Upper Control Arm Spacers– 2
81168Bag2– 1
Ball Joint Eyelet Caps– 2

Tools Needed:

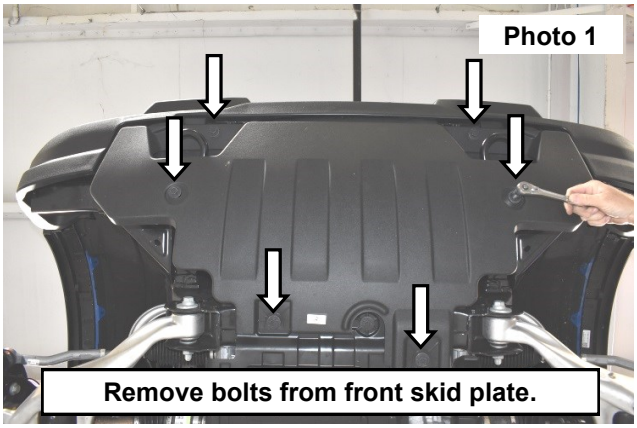
10mm Socket/Wrench
15mm Socket/Wrench
18mm Socket/Wrench
21mm Socket/Wrench
24mm Socket/Wrench

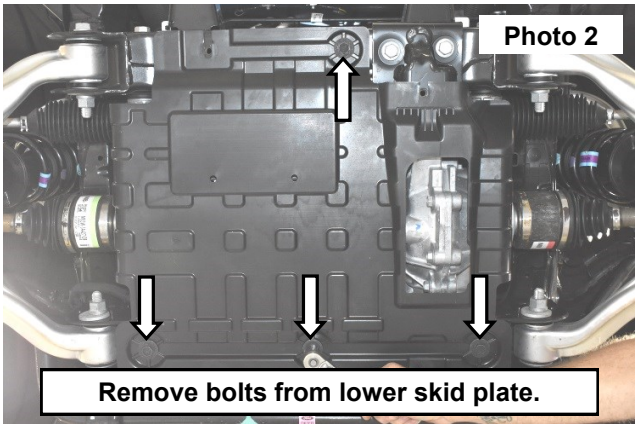
Screw Driver/Sm Prybar
Hammer



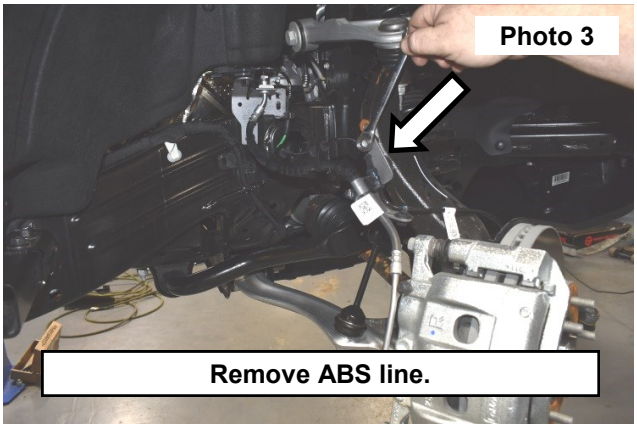
FRONT INSTALLATION INSTRUCTIONS

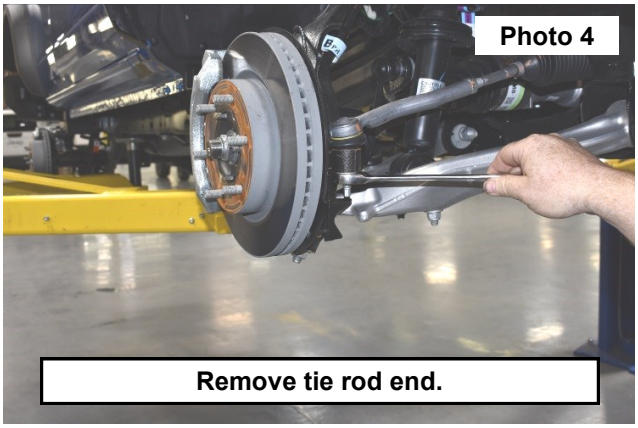
1. Jack up the front of the vehicle and place on jack stands. Remove the front wheels.
2. Remove the skid plates using a 15mm socket/wrench. **See Photo 1** and **Photo 2**.



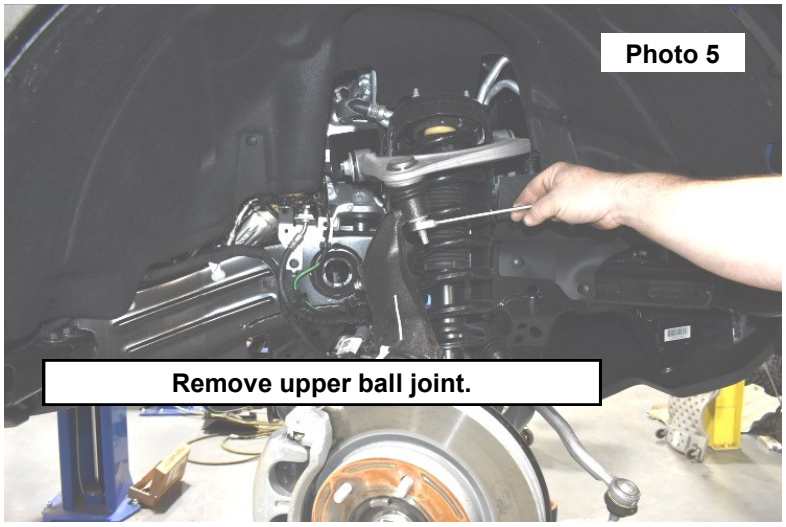


3. Remove the ABS wire and brake line from the knuckle using a 10mm socket/wrench. **See Photo 3**.
4. Remove the tie rod end using a 21mm socket/wrench. Strike the knuckle with a hammer if needed to remove the tie rod end. **NOTE: Strike from the outside in to prevent over stretching components**. **See Photo 4**.

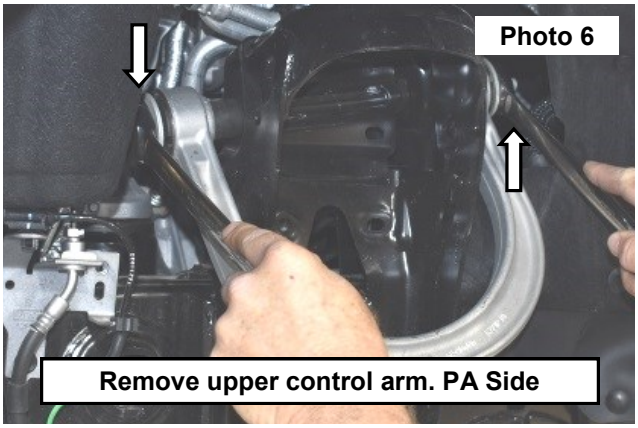


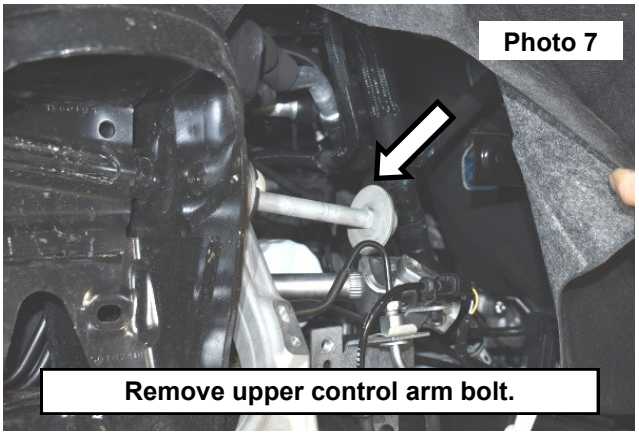


5. Remove upper ball joint just using an 18mm socket/wrench. Strike knuckle with a hammer if needed. **Note: Tap with hammer to release from knuckle if necessary. See Photo 5**.

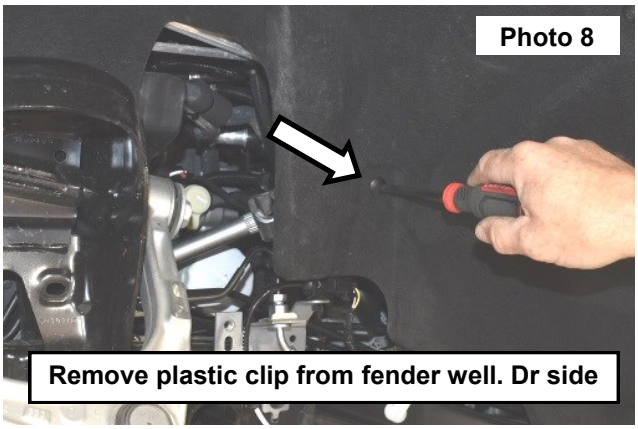


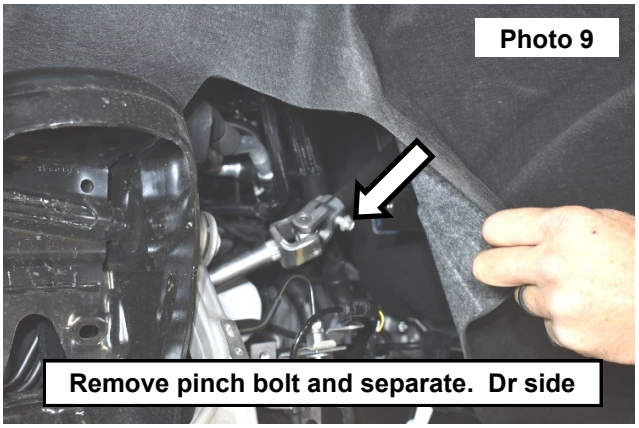
6. Remove the upper control arms using a 21mm and 24mm socket/wrench.
7. On the Passenger side, remove heat shield using an 8mm socket/wrench then remove the upper control arm using a 21mm and 24mm socket/wrench. **See Photo 6 & 7.**



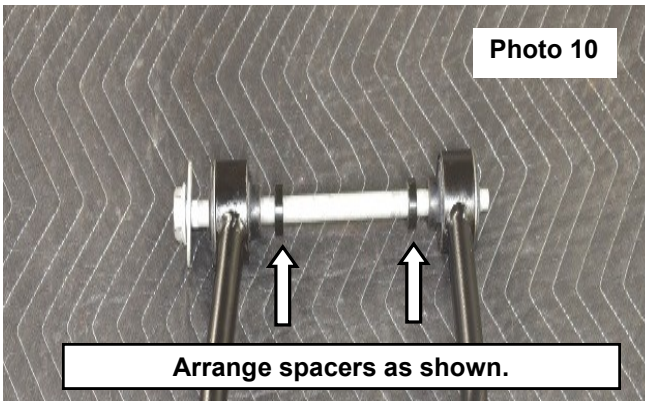


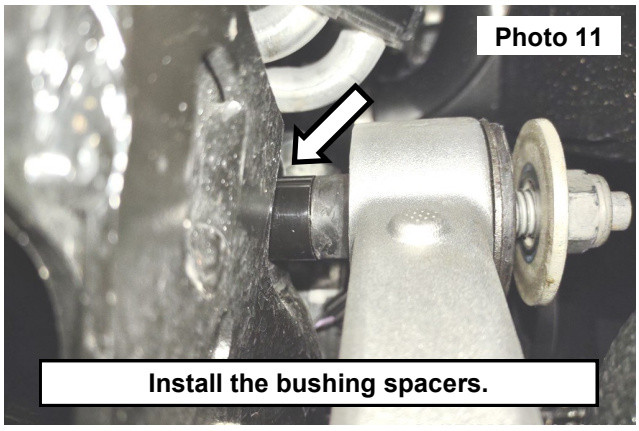
8. On the driver side, the steering shaft will have to be disconnected to be able to remove the bolt. Remove the plastic clip from fender well using a screw driver. Lock the steering wheel but make sure the bolt is accessible. Using a 10mm socket remove the pinch bolt from shaft and separate. **See Photo 8** & **9**.





9. Install the new upper control arm and spacers using the stock bolt and reinstall the heat shield. **See Photo 10** & **11**.





10. Reassemble steps 1-8 to complete the install.
11. Replace wheels/tires and lower.