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Rough Country 51134 Installation Instructions

Heavy-Duty Tie Rod Kit for 2021–2025 Ford Bronco 4WD

Part number: 51134

trailfortress.com/heavy-duty-tie-rod-kit-ford-bronco-4wd-rough-country-51134

Scan for fitment, price and install help

ROUGH COUNTRY
SUSPENSION SYSTEMS®

921511340

FORD 2021-23 BRONCO HD TIE ROD ASSEMBLY

Thank you for choosing Rough Country for all your vehicle needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.
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.

Kit Contents:

2 - Tie Rod Assembly

Tools Required:
Jack
Jack Stands
18mm Wrench or Socket
Hammer
Screwdriver/Hose Clamp Socket
Crescent Wrench (Needs to open at least 2")
7mm Wrench or 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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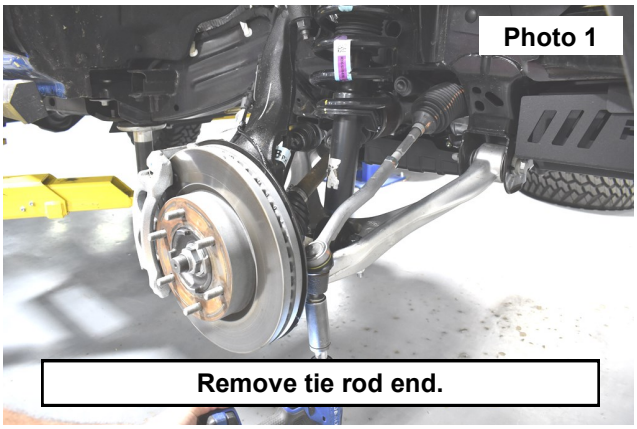
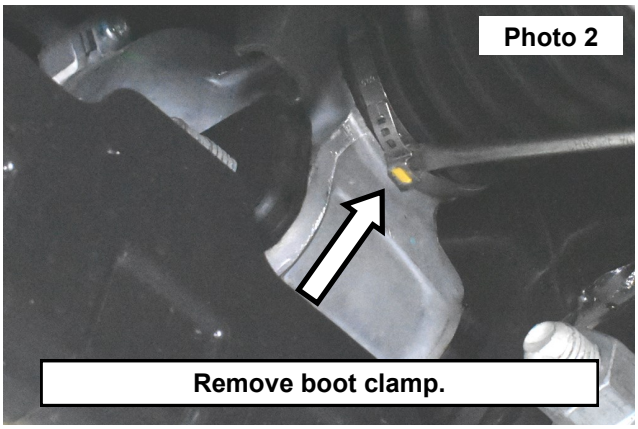
INSTALLATION INSTRUCTONS

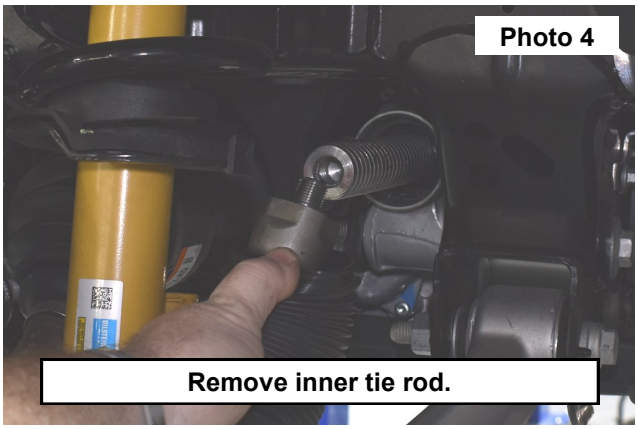
1. Chock the rear wheels and lift the front of the vehicle. Place the vehicle on jack stands and remove the front wheels.
2. Loosen the tie rod end with an 18mm socket. Strike the knuckle with a hammer to release the taper. Remove the nut and disconnect the tie rod from the knuckle. **See Photo 1.**
3. Remove the inner boot clamp with a flat blade screwdriver. **See Photo 2.**



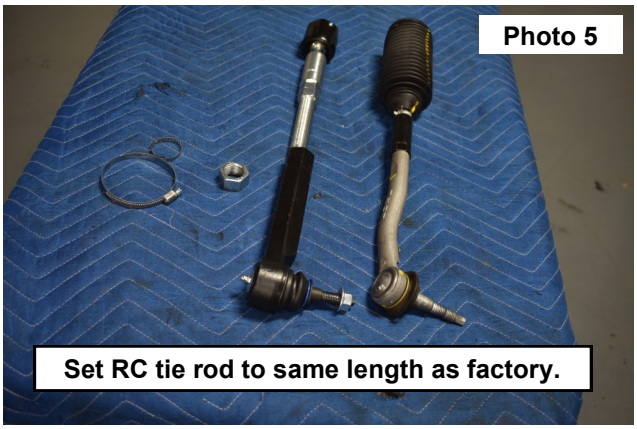


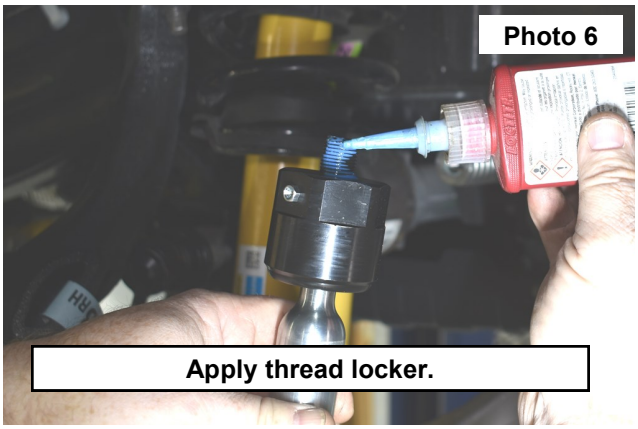
4. Pull the tie rod boot to expose the wrench flats of the inner tie rod. **See Photo 3.**
5. Use a crescent wrench to remove the inner tie rod from the steering rack. **See Photo 4.**



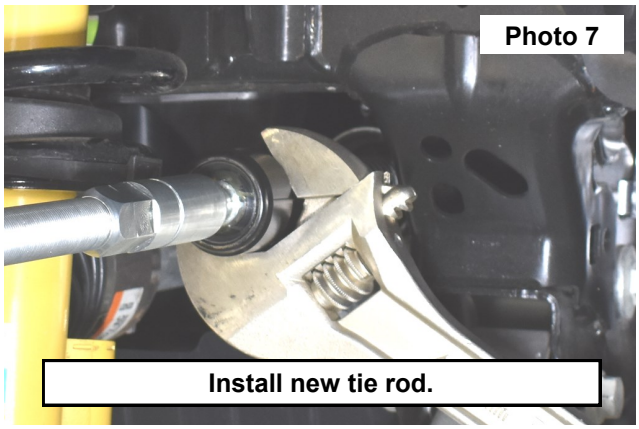


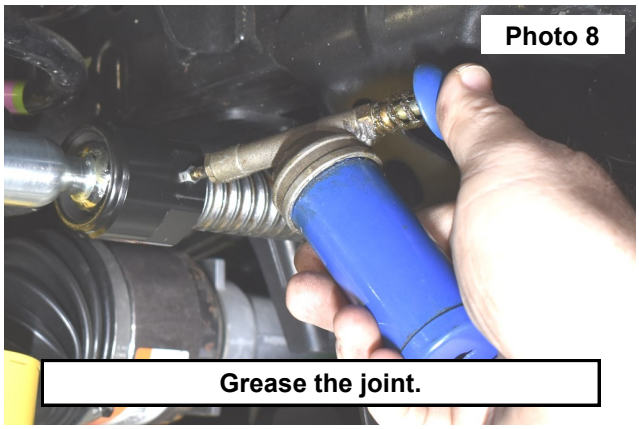
6. Measure the length of the factory tie from the threaded end of the inner tie rod to the spindle of the outer tie rod. Adjust the Rough Country tie rod so it is the same length as the factory one. **See Photo 5.**
7. Apply thread locker to the threads of the inner tie rod. Pull inner boot down to expose wrench flats. **See Photo 6.**



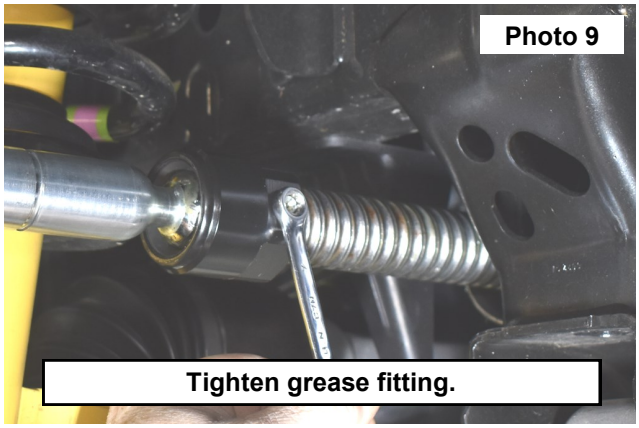


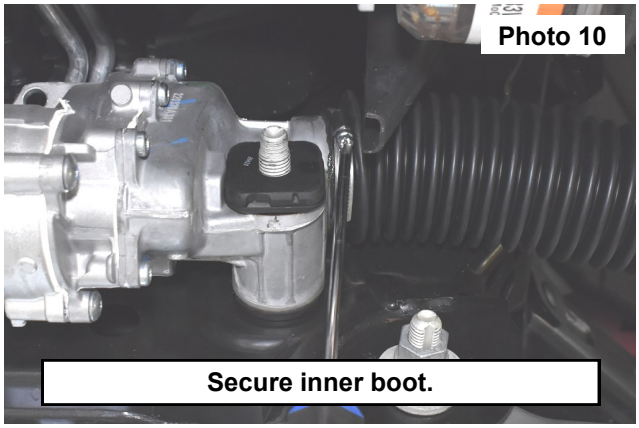
8. With thread locker applied, install the tie rod assembly with a large crescent wrench. **See Photo 7.**
9. Grease the joint and then use a 7mm wrench to tighten the grease fitting. **See Photo 8 and Photo 9.**



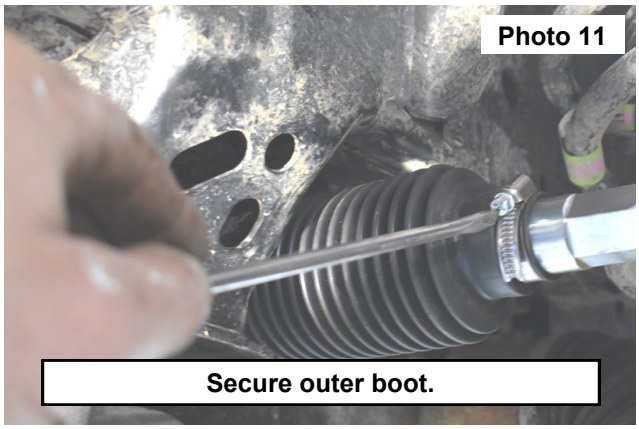


10. Pull the inner boot over the inner tie rod and seat it on the steering rack.
11. Use the supplied hose clamp and secure the boot to the steering rack with a screwdriver. **See Photo 10.**





12. Install the outer tie rod onto the knuckle with the supplied nut.
13. Repeat for other side of vehicle.
14. Install wheels back on vehicle and lower vehicle to the ground.
15. HAVE A QUALIFIED ALIGNMENT CENTER ALIGN THE VEHCILE TO FACTORY SPECIFICATIONS IMMEDIATELY.
16. With the vehicle aligned, use a screwdriver to secure the outer clamp of the tie rod boot. **See Photo 11.**



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