TRAIL FORTRESS

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Rough Country 13100 Installation Instructions

2 Inch Lift Kit for Chevrolet Colorado 4WD (2023-2025)

Part number: 13100

trailfortress.com/2-inch-lift-kit-chevy-colorado-and-gmc-canyon-rough-country-13100

Scan for fitment, price and install help

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ROUGH COUNTRY SUSPENSION SYSTEMS®

CHEVY 2023 COLORADO 4WD 2” LIFT KIT

Thank you for choosing Rough Country for all your suspension 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.

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 suspension system was developed using a **285/65/R18**, tire with factory **18” wheels**. **Note:** If wider tires are used, offset wheels will be required and trimming will be required.

⚠NOTICE If equipped the electric power steering must be unplugged before any of the steering components are removed. Failure to do so may cause damage to the electric power steering.

If you have any questions concerning the design, function, and correct use of our products please contact us at 800-222-7023.

⚠NOTICE **NOTICE TO 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.



Kit Contents

2 - Nylon Spacer
2 - Preload Spacer
2 - Rear Lift Block

Hardware Included:
6 - 10mm Lock Nut
4 - U-Bolt
1 - 9/16BAG1
9/16” Flat Washer
9/16” Lock Nut

Tools Required:
Paint Pen
22mm Socket
21mm Wrench or Socket
18mm Wrench and Socket
15mm Wrench or Socket
Jack
Jack Stands
Wheel Chocks
Hammer

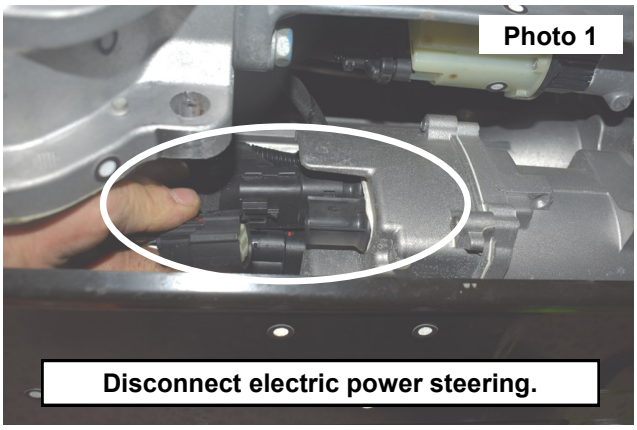


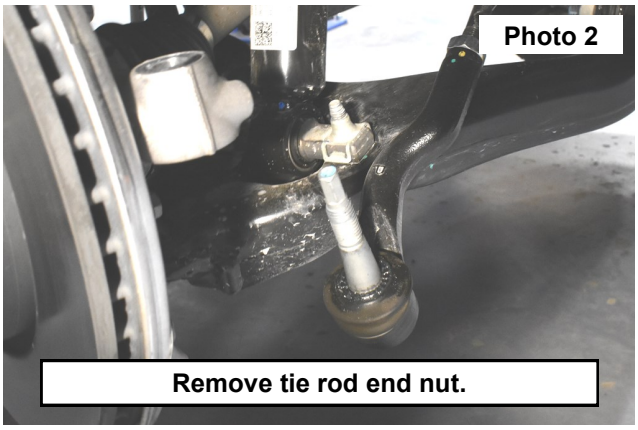
Torque Specs:

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

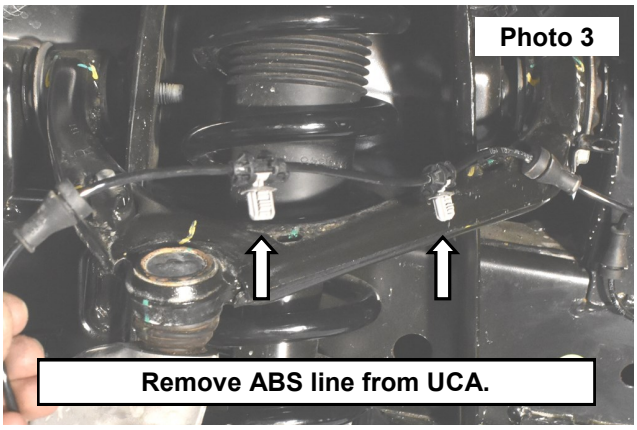
FRONT INSTALLATION INSTRUCTONS

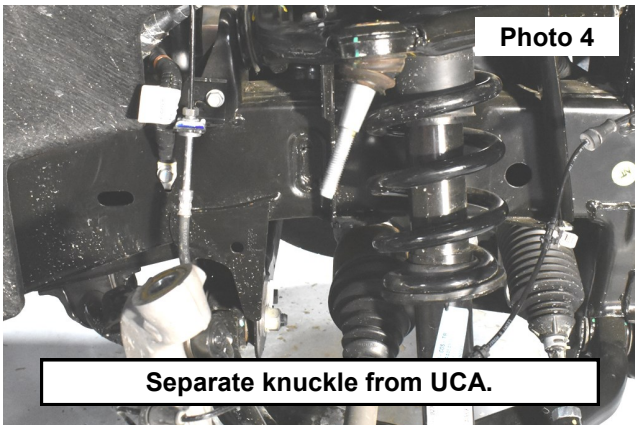
1. Use wheel chocks to block the rear wheels. Lift the front of the vehicle up using a jack and place the vehicle on jack stands.
2. Remove front wheels with a 22mm socket.
3. Locate the electric power steering and disconnect the two plugs. **See Photo 1.**
4. Use a 21mm wrench to remove the tie rod end nut. Retain hardware for reuse. **See Photo 2.**



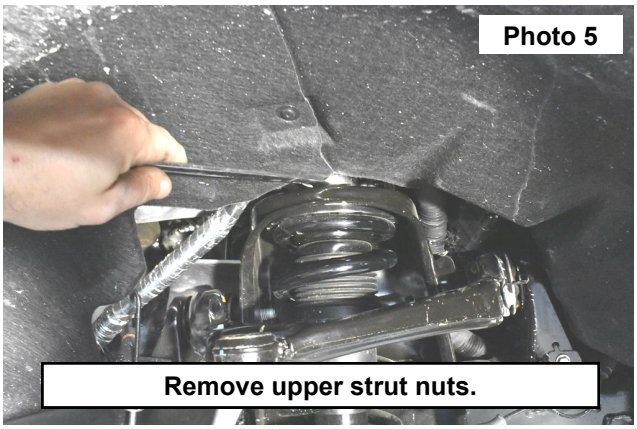


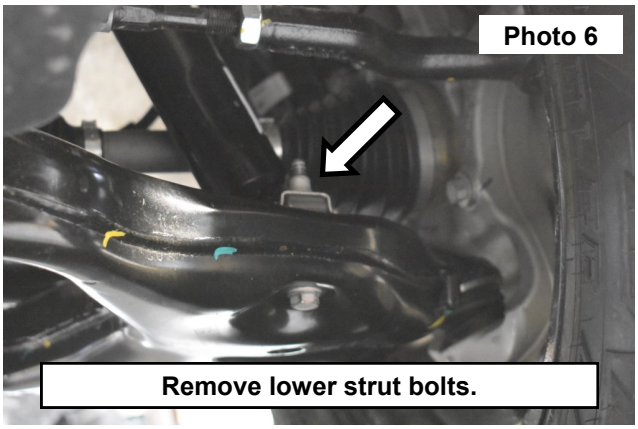
5. Remove ABS line from the upper control arm. Retain hardware for reuse. **See Photo 3.**
6. Loosen the upper ball joint nut with an 18mm wrench. Hit the knuckle with a hammer to release the taper. When the upper ball joint comes free, remove the nut completely. Retain hardware for reuse. **See Photo 4.**





7. With an 18mm wrench, remove the top strut bolts. **NOTE:** Use supplied lock nuts for reassembly. **See Photo 5.**
8. Remove the lower strut bolts with a 15mm wrench. Retain hardware for reuse. **See Photo 6.**
9. Remove strut from vehicle.
10. Repeat Steps 4-9 for other side of vehicle.



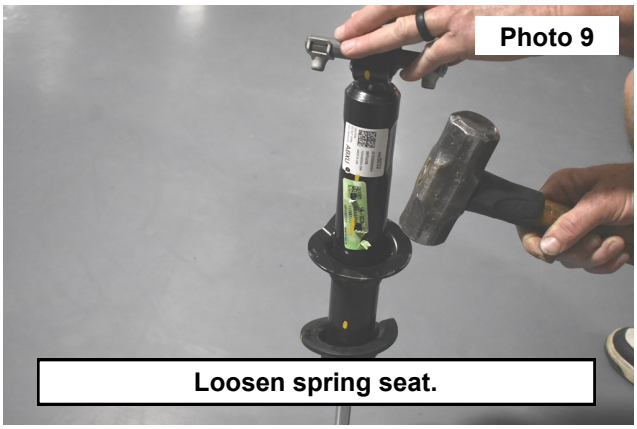


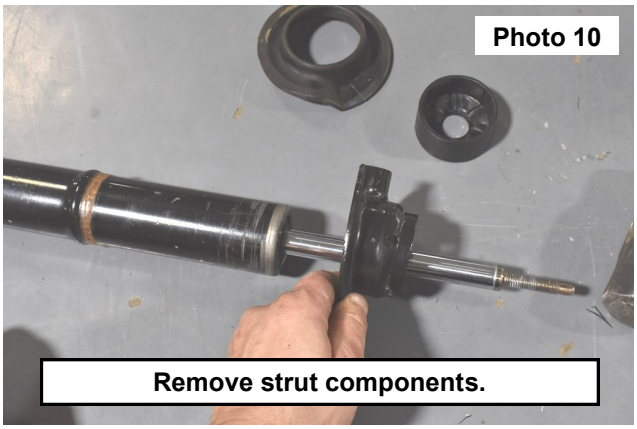
11. Use a paint pen to make alignment markings on the upper and lower strut
12. Place the strut in a spring compressor and compress the spring. Remove the strut top hat nut with an 18mm socket. **See Photo 7.**
13. Remove the spring from the strut. Remove the upper strut components and set aside. Use a hammer to loosen the spring seat from the strut. **See Photo 8 and Photo 9.**



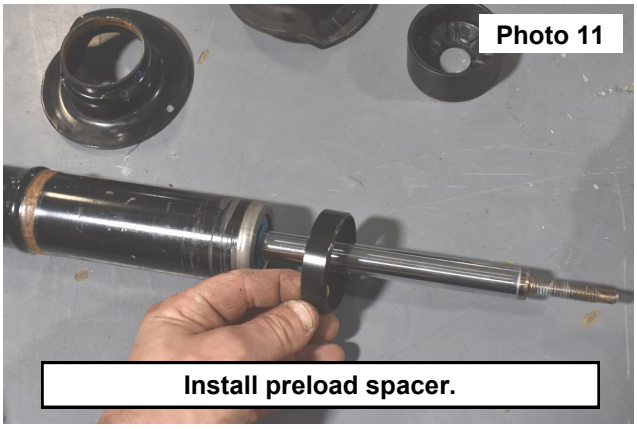


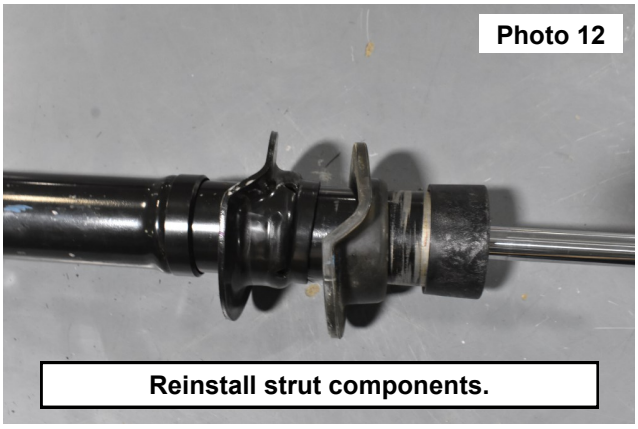
14. Once the spring seat is loosened, remove the end cap, rubber spring isolator and spring seat. Retain for reuse. **See Photo 10.**



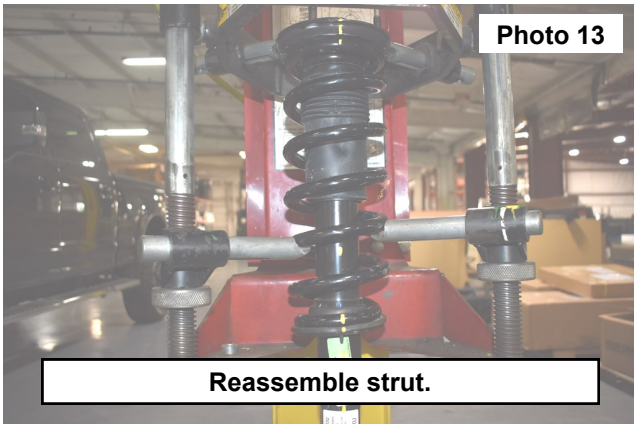


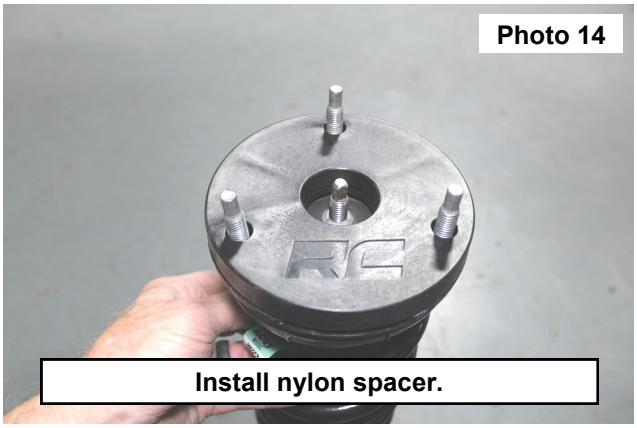
15. Install supplied preload spacer onto the strut body with the chamfer end going towards the threaded end. **See Photo 11.**
16. Reinstall spring seat, isolator, and end cap. **See Photo 12.**





17. Place strut back into the spring compressor. Seat the spring back on the isolator, making sure that the paint markings line up. Compress the strut assembly and install the factory strut top hat nut with an 18mm socket. **See Photo 13.**
18. Repeat Steps 11-17 for other strut.
19. Place the supplied nylon spacer on top of the strut assembly. **NOTE:** The spacers plates will only go on one way due to the bolt pattern of the struts. **See Photo 14.**



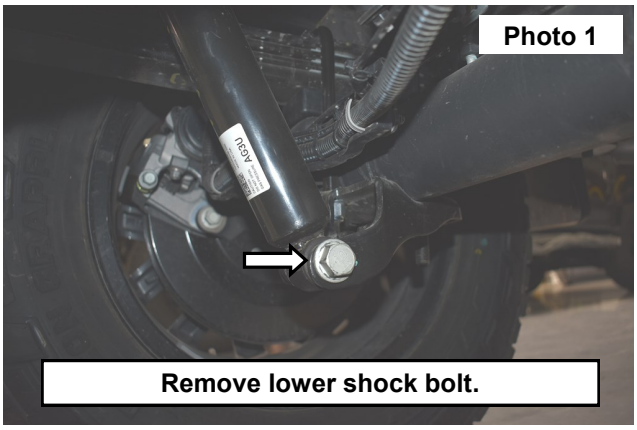


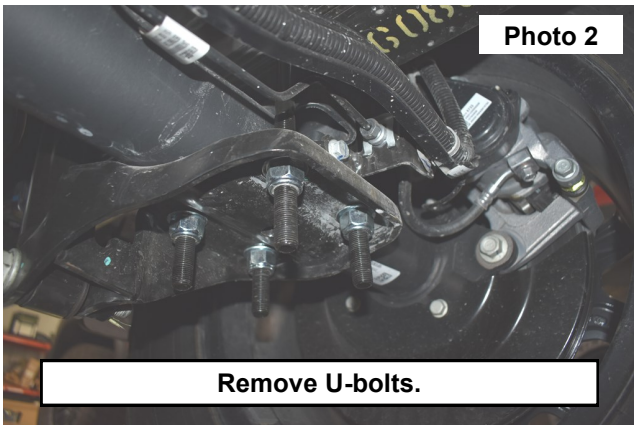
20. Repeat Step 19 for other strut.
21. Reinstall struts in the reverse order of disassembly. **NOTE:** Use supplied flanged locknuts instead of factory strut nuts.
22. Reconnect electric power steering plugs.
23. Reinstall wheels and lower vehicle.



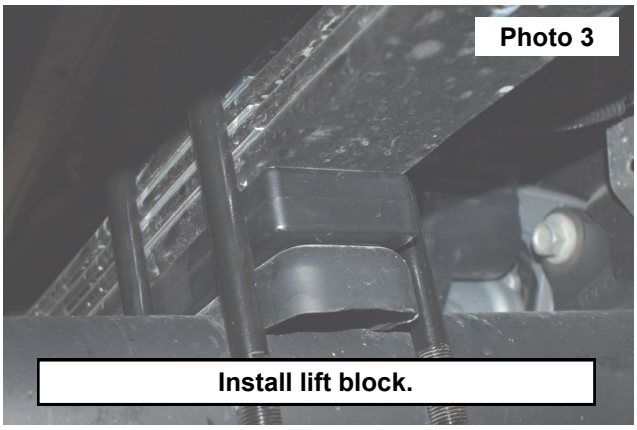
REAR INSTALLATION INSTRUCTONS

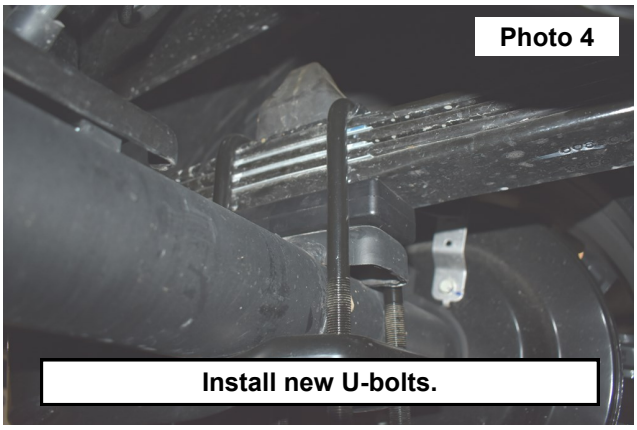
1. Chock the front tires and lift the rear of the vehicle. Position jack stands under the rear frame rails of the vehicle and lower the vehicle on to the jack stands.
2. Place a floor jack in position under the rear differential for support.
3. Use a 21mm wrench and socket to remove the lower shock bolt. Retain hardware for reuse. **See Photo 1.**
4. Remove factory U-bolts with a 19mm wrench and lower the axle. **See Photo 2.**



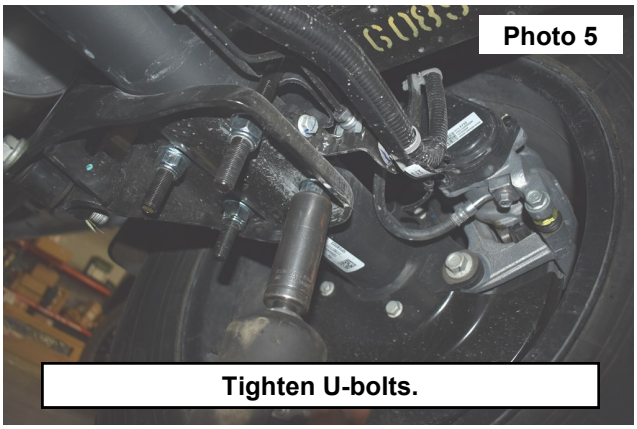


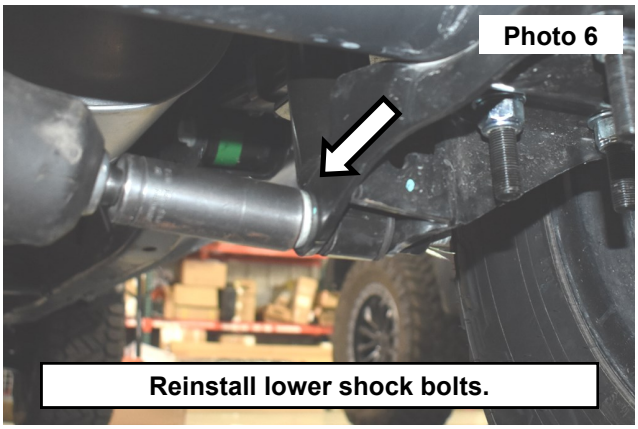
5. Place the supplied lift blocks underneath the leaf spring pack. **NOTE:** The shorter side of the lift block faces the front of the vehicle. **See Photo 3.**
6. Install supplied U-bolts using the hardware from 9/16BAG1. **See Photo 4.**





7. Use a 22mm socket to tighten the U-bolts using an X pattern. **See Photo 5.**
8. Reinstall the factory lower shock bolts and tighten using a 21mm wrench and socket. **See Photo 6.**





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, floor boards and wiring harness. Check steering gear for clearance. Test and inspect brake system.
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. The following are the factory specifications:

Caster in degrees	3.8 ± 1.3
Camber in degrees	-.01 ± 0.8
Toe In in degrees	0 ± 0.1

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 three thousand 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.