TRAIL FORTRESS

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Rough Country 28231 Installation Instructions

3.5-Inch Lift Kit with N3 Shocks for 2022–2024 Silverado 1500, Part 28231

Part number: 28231

trailfortress.com/rough-country-3-5-inch-lift-kit-28231

Scan for fitment, price and install help

ROUGH COUNTRY
SUSPENSION SYSTEMS®

2019-20 4WD GM 1500 Front Vertex Coilovers

Thank you for choosing Rough Country for 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 the rear cover of these instructions. 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. If question exist we will be happy to answer any questions concerning the design, function, and correct use of our products.

⚠NOTICE 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.

⚠NOTICE Trucks equipped with a mass damper on the front diff, the damper will have to be removed.

⚠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.

GM Vertex Coilovers:

Chevy:
680017L-Driver Side
680017R-Passenger Side

GMC:
680029L-Driver Side
680029R-Passenger Side

Torque Specs:

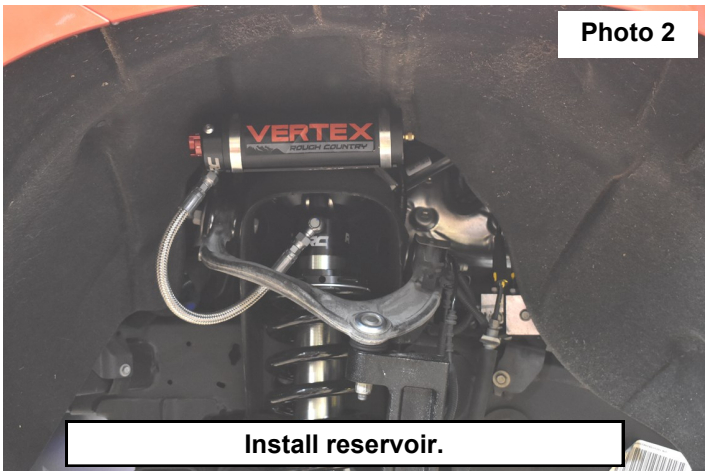
Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16”	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8”	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16”	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2”	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16”	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8”	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4”	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

Tools Needed:

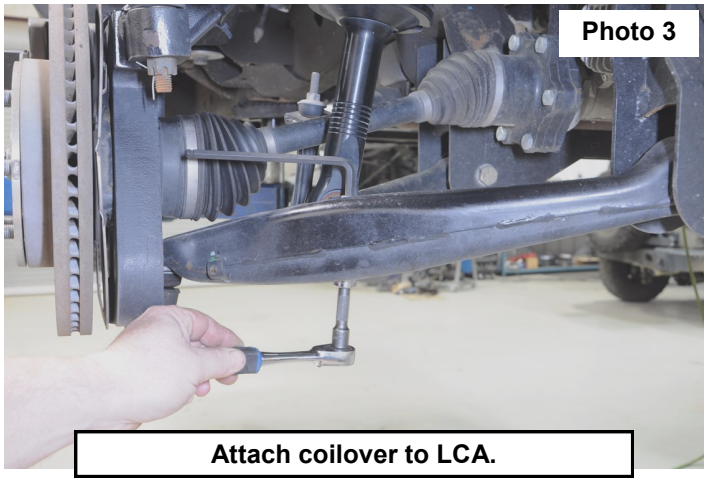
Floor Jack /Jack Stands
8mm Allen Socket
17mm Socket/Wrench
Torque Wrench

1. Place the supplied reservoir mount on top of the upper strut mount and install the supplied Vertex coilover, **(The braided line is routed under the upper control arm to the front of vehicle, on both the driver and passenger sides)** using the supplied 10mm bolts and washers. Tighten using a 17mm wrench. **See Photo 1.**
2. Secure the reservoir to the mount using the supplied clamps. **See Photo 2.** Tighten using a flat screwdriver.





3. Attach the lower strut mount to the lower control arm using the supplied 10mm x 65mm socket head bolts, washers and nuts. Tighten using a 17mm socket and an 8mm Allen. **See Photo 3.**



Thank you for choosing Rough Country for all of your suspension needs.

By purchasing any item sold by Rough Country, LLC, the buyer expressly warrants that he/she is in compliance with all applicable Federal, 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.