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Rough Country 28330 Installation Instructions

1.5-2 Inch Lift Kit for 1999-2007 Silverado and Sierra 1500

Part number: 28330

trailfortress.com/1-5-2-inch-lift-kit-silverado-and-sierra-1500-rough-country-28330

Scan for fitment, price and install help

921283300

ROUGH COUNTRY SUSPENSION SYSTEMS®

28330BAG

99-06 CHEVY/GM 1500 1.5-2” Kit w/ N3 SHOCKS

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.

PRODUCT USE INFORMATION

⚠WARNING As a general rule, the taller a vehicle is, the easier it will roll. Offset, as much as possible, what is lost in rollover resistance by increasing tire track width. In other words, go "wide" as you go "tall".

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, lifts, and/or combining body lift with suspension lifts voids all warranties. 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.

Braking performance and capability are decreased when significantly larger/heavier tires and wheels are used. Take this into consideration while driving.

The required installation time for this system is approximately 2.5 hours. This suspension system was developed using 285x75R16 tire on an 8” wheel. Before installing other combinations, please consult your local tire and wheel specialist.

If questions exist on 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.

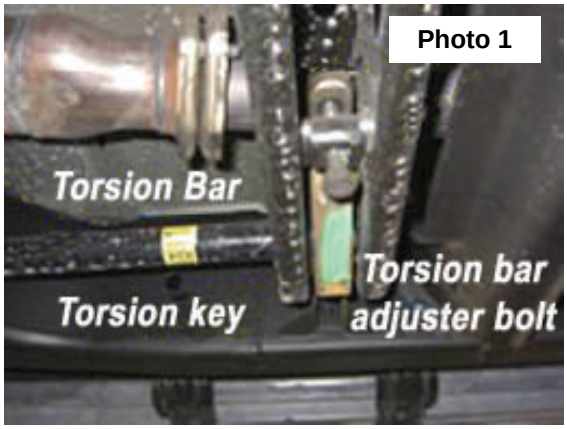
⚠NOTICE Note to installer : Before installation begins we recommend that a test drive be performed. While driving check for uncommon sounds and/or vibrations . What you feel and hear during the test drive will only magnify once lift kit is installed. Advise you to discuss possible issues identified from drive with customer before proceeding to install this kit.

RECOMMENDED TOOLS

• Floor jack • Heavy duty jack stands • Safety glasses	• Wheel chocks • Torsion bar removal tool- Rough Country part # 1067	• Impact gun • 18 mm socket • 21 mm socket

FRONT INSTALLATION INSTRUCTIONS

1. Place the vehicle in neutral. Raise the front of the vehicle with a jack to slightly raise the tires of the ground and support the frame with jack stands beneath each frame rail behind the lower control arms. Installation is done one side at a time, starting with the driver side. The torsion bar adjusters are under the cab of the vehicle at the rearward end of the torsion bars.
2. Measure or make a note of how much thread is remaining on the torsion bar adjuster bolt. You will reset the bars at this same location with the new adjusters. **See Photo 1.**
3. Use extreme caution when loading and unloading the torsion bars; there is a tremendous amount of energy stored in them. Keep your hands and body clear of the adjuster arm assembly and the puller tool in case anything slips or breaks. Part # 1067 torsion bar removal tool is available from Rough Country. **See Photo 2.**

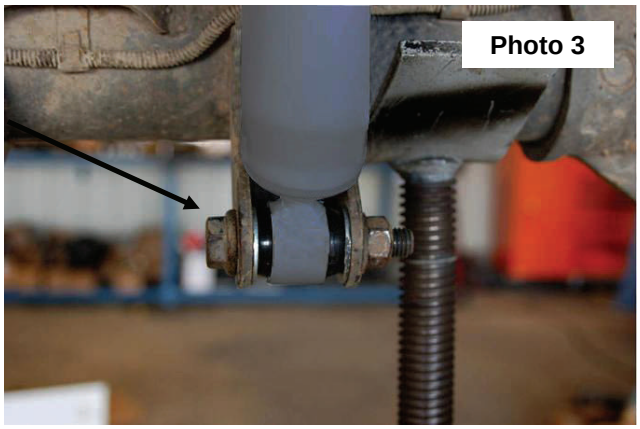




4. On the driver side, using a torsion bar removal tool, remove the stock torsion bar adjuster by loading the torsion bar using the tool and removing the bolt and nut block. Slide the torsion bar forward allowing the OE torsion key to fall out.
5. Install the new torsion bar adjuster using the torsion bar tool. Reinstall the threaded block and adjuster bolt.
6. Repeat steps for passenger side. Making sure the driver and passenger side torsion bar adjuster bolts are adjusted the same amount. Fine-tuning is done in a later step.
7. Remove the factory shock absorbers, and discard.
8. Locate shock part # 660747 from kit box. Install the supplied shock and bushings in the factory location using the factory bolt on the lower end of the shock.
9. Jack up the front of the vehicle and remove the jack stands. Lower the vehicle to the ground to where the torsion bars are supporting the weight of the vehicle.

REAR INSTALLATION INSTRUCTIONS

1. Chock the front wheels and jack up the rear of the vehicle. Support the vehicle with approved jack stands.
2. Remove the factory shocks and discard. Support the rear axle with a jack. Loosen the passenger u bolts.
3. Remove the drivers side u bolts.
4. Lower the jack and **remove** factory block and continue to lower the axle until the lift block can be installed (**don't reuse factory block**). The small end of the block faces the front of the truck.
5. Install the new u bolts, washers, and nuts. Do not tighten at this time.
6. On the passenger side remove the u bolts and lower the jack and install the lift block.
7. Tighten u-bolts, alternating from bolt to bolt. Torque ½" u-bolts to 65 ft./lbs. and 9/16" u-bolts to 87 ft. /lbs., or 5/8" u-bolts to 120 ft./lbs.



8. Grinding may be required on the driver side e-brake bracket on the lower shock mount. If needed grind the threads to make sure there is no interference with the shock absorber or remove the bolt from the lower shock mount
9. Install the new shocks, part # 660738**,** using the factory hardware. Torque to factory specs.
10. Install the wheels and tires. Lower the vehicle to the ground.

POST INSTALLATION INSTRUCTIONS

After the torsion bar adjusters have been installed and tightened to the factory measurement taken in step #2. additional adjustment may need to be performed to level the vehicle. This is done by either tightening or loosening the torsion bar adjuster bolts. Use a floor jack to support the side of the vehicle that is being adjusted, raising the tires slightly of the ground and only adjusting the bolt 1-2 turns at a time to ensure the leveling of the truck. After adjustment lower the vehicle to the ground and recheck for level. This may take several attempts. As with any lift installed, adjustment of the front headlights is required after installation. Note – the air dam on the front may need to be trimmed for additional clearance, depending on the tire size.

A front-end alignment should ALWAYS be checked after installing ANY vehicle suspension lift. This kit typically requires a slight toe-in adjustment. Record the ride height measurement at the time of alignment. If, in the future the torsion bars settle excessively, alignment can be restored by adjusting-up the bars to their original ride height.

Alignment Specs	Caster Left	Caster Right	Camber Left	Camber Right
	2	2.5	0	-1/4

Kit Contents



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.