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Rough Country 27030 Installation Instructions

2-Inch Lift Kit with N3 Shocks for Chevy Tahoe Z71 (2000–2006)

Part number: 27030

trailfortress.com/rough-country-2-inch-lift-kit-27030

Scan for fitment, price and install help

92127330

ROUGH COUNTRY SUSPENSION SYSTEMS®

YUKON / SUBURBAN 00-06 2WD/4WD 2” KIT

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 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 hours (see recommended tool list shown below). This kit is usually sold as a front end leveling kit, but can be sold in combination with rear blocks and u-bolts or a rear add-a-leaf. Shocks with longer travel are recommended.

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 we will be happy to answer any questions concerning the design, function, and correct use of our products.

⚠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.

Kit Contents

1273 kit box
2-Fr shocks (660747)
2-Rr shocks (660738)
2-Torsion bar Keys
2-3/4” rear coil spacers
2-Shock poly bags

Tools Needed

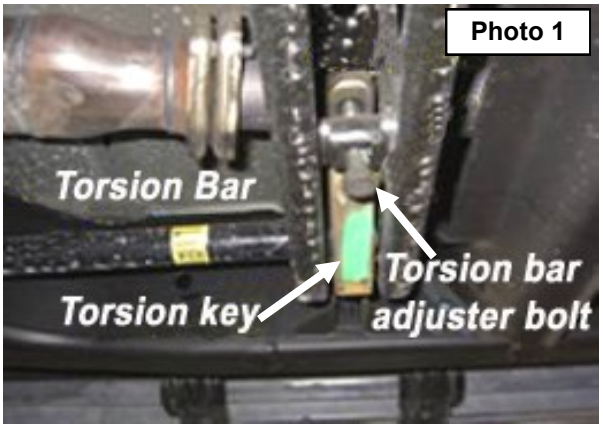
21mm wrench
18mm wrench
19mm Wrench
15mm wrench
Jack
Jack Stands
Torsion bar tool

Torque Specs

Size	Grade 5	Grade 8
5/16”	15 ft/lbs	20 ft/lbs
3/8”	30 ft/lbs	35 ft/lbs
7/16”	45 ft/lbs	60 ft/lbs
1/2”	65 ft/lbs	90 ft/lbs
9/16”	95 ft/lbs	130 ft/lbs
5/8”	135 ft/lbs	175 ft/lbs
3/4”	185 ft/lbs	280 ft/lbs

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**. 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. **See Photo 2. Note: Because of the extreme loads generated by the torsion bars on these vehicles, a standard tow-jaw puller may bend the "lips" of the cross member and my pop out of place. For best results use a c-clamp type puller tool. Rough Country offers a torsion bar tool part # 1067 for purchase. Please call Rough Country @800-222-7023 or ask your dealer for details on this tool.**





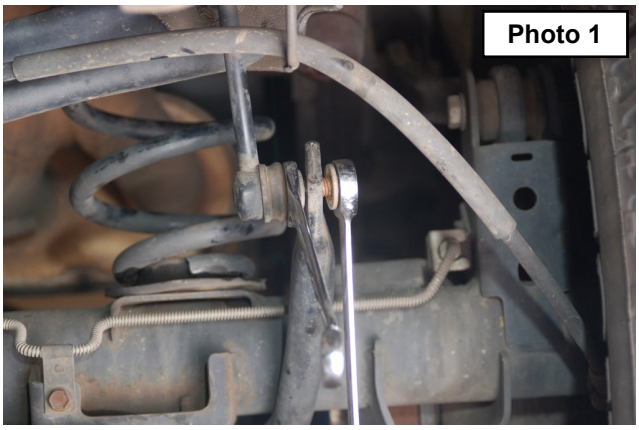
3. On the driver side, using a torsion bar removal tool, remove the stock torsion bar adjuster. Load the torsion bar using the tool and remove the bolt and threaded block. **See Photo 3.** Remove the adjuster.
4. Unload the bar, slide the torsion bar forward allowing the OE torsion key to fall out.
5. 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. After the torsion bar adjusters have been installed; tighten to the factory measurement taken in Step #2.
8. Jack up the front of the vehicle and remove the jack stands.



9. Lower the vehicle to the ground to where the torsion bars are supporting the weight of the vehicle. Check for level.
10. Additional adjustment may need to be performed to level the vehicle by either tightening or loosening the torsion bars. This is done with a floor jack supporting 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.
11. Remove the stock front shock absorbers at this time an install new Rough Country shock absorbers, part # **660747.**

REAR INSTALLATION INSTRUCTIONS

1. Chock the front wheels and jack up the rear of the vehicle with a floor jack.
2. Place the rear of the vehicle on jack stands. Lower floor jack but do not remove a this time. Never work under an unsupported vehicle.
3. Remove the stock shock absorbers using a 21mm wrench. Retain the factory hardware.
4. Using a 18 & 19MM wrench, remove the sway bar link from the sway bar on both sides on the axle. **See Photo 1**.
5. Lower the axle down to allow the coil spring to be removed.
6. Remove coils and install the 3/4" poly spacer on top of the coil spring. **See Photo 2**. Install the coil with spacer back into mount.





7. Jack up the rear axle.
8. Install the new Rough Country shock, part # **660758** and install in the factory mounts using factory hardware with a 21mm wrench.
9. Reinstall the sway bar link back into the sway bar with factory hardware using a 18 & 19mm wrench.
10. Install the tire / wheels and remove the jack stands.
11. Lower the vehicle to the ground.

POST INSTALLATION NOTES

This kit will level the vehicle without a substantial difference in ride quality. Most customers adjust the front to 2" higher than stock, and are satisfied with the ride quality. Ride quality is inversely proportional to heights ABOVE a 2" adjustment. This leveling kit works within the range of the FACTORY droop, or downward suspension cycle. It does NOT bind the CV axles or ball joints, just as none of these conditions occur with the truck supported on a hoist and the front wheels hanging freely in the air. 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.



Thank you for purchasing a Rough Country Suspension Lift Kit.

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.