# Rough Country 959341 Installation Instructions

1.5-2 Inch Leveling Kit with M1 Monotube Shocks (2011-2019 HD)

Part number: 959341

trailfortress.com/1-5-2-inch-leveling-kit-rough-country-959341

Scan for fitment, price and install help




# 2011 2500/3500HD 1.5”-2” TORSION ADJUSTERS

**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.

## PRODUCT USE INFORMATION

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. This suspension system was developed using 285x75R17 tire on an 8” wheel. Before installing other combinations, please consult your local tire and wheel specialist.

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.

If questions exist on the design, function, and correct use of our products please contact us at 800-222-7023.

## 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.

**Kit Contents:**

**2-Torsion Bar Keys**
**1-Poly Bag containing:**
**4-Shock Spacer sleeves**

**Recommended Tools:**
**Torsion Bar Tool**
**Jack**
**Jack Stands**



## FRONT INSTALLATION INSTRUCTIONS

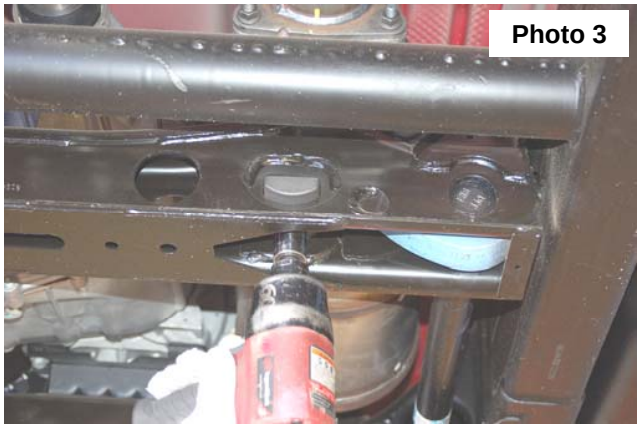
1. Place the vehicle in neutral. Raise the front of the vehicle with a jack to slightly raise the tires of the ground and support the frame with jack stands beneath each frame rail behind the lower control arms. Installation is done one side at a time, starting with the driver side. The torsion bar adjusters are under the cab of the vehicle at the rearward end of the torsion bars.
2. Remove the shock from the upper mount using a 21mm wrench as shown in **Photo 1** using a 21mm wrench. Retain the factory hardware.
3. Install the new spacer sleeves as shown in **Photo 2** with the factory shock absorber
4. Reinstall the shock with the sleeves in the stock mount and tighten factory hardware using a 21mm wrench.

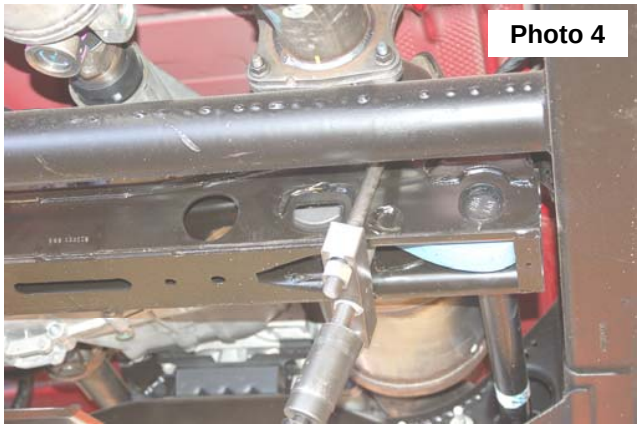






5. Measure and take note of how much thread is remaining on the torsion bar adjuster bolt. You will reset the bars at this same location with the new adjusters.
6. Use extreme caution when loading and unloading the torsion bars; there is a tremendous amount of energy stored in them. Keep your hands and body clear of the adjuster arm assembly and the puller tool in case anything slips or breaks. 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 torsion bar tool available from Rough Country or equivalent.
7. On the driver side remove the stock torsion bar adjuster bolt using a 21mm socket. **See Photo 3.**
8. Load the torsion bar using the tool and remove the stock threaded block. **See Photo 4.**
9. Slide the torsion bar forward allowing the OE torsion key to fall out.




10. Install the new torsion bar adjuster just as the stock was removed.
11. Using the torsion bar tool, reinstall the threaded block and adjuster bolt.
12. 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.
13. 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.

## 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 and if used the dimensions of aftermarket wheels.