TRAIL FORTRESS

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Rough Country 7599 Installation Instructions

1.5-Inch Leveling Kit for Chevrolet Silverado and Sierra 1500

Part number: 7599

trailfortress.com/1-5-inch-leveling-kit-chevrolet-silverado-and-sierra-1500-rough-country-7599

Scan for fitment, price and install help



Thank you for choosing Rough Country for all of your suspension needs.
Rough Country recommends a certified technician installs 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 all the instructions before beginning the installation. Check the kit hardware against the Kit Contents list on next page. Be sure you have all the needed parts and understand where they go. Also please review the tools needed list to be certain that you have the tools necessary to complete the installation.

PRODUCT USE INFORMATION

As a general rule, the taller a vehicle is the easier it will roll. We strongly recommend that seat belts and shoulder harnesses should be worn at all times. Braking performance and capabilities are decreased when significantly larger/ heavier tires and wheels are used. Do no add, alter, or fabricate any factory or after-market parts which increase vehicle height over the intended height of the Rough Country product purchased. 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.

Due to differences in manufacturing, dimension and inflated measurements, tire and wheel combinations should be test fit prior to installation. This kit was developed using a 265/75-16 on stock wheel.

NOTICE TO DEALER AND VEHICLE OWNER

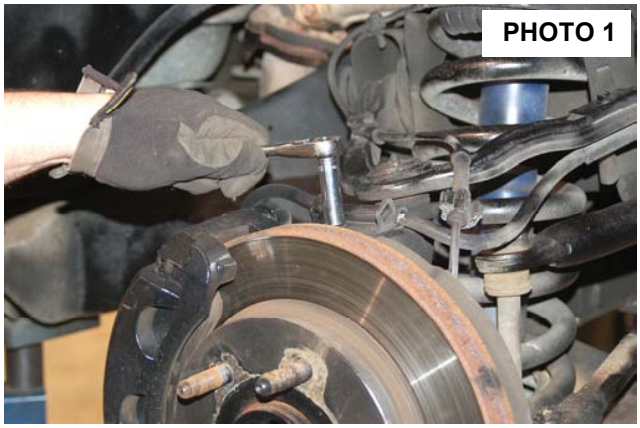
Any vehicle equipped with any Rough country product must have the “Warning to Driver” decal installed on the sun visor or dash. The decal is to act as a constant reminder for whoever is operating the vehicle of its unique handling characteristics. INSTALLING DEALER—It is your responsibility to install the warning decal and to forward these installation instructions on too the vehicle owner for review and to be kept in the vehicle for its service life.

Tools Needed:
Floor Jack
Jack Stands
Hammer
Pry Bar
WD40
18mm Socket / wrench
15mm Socket / Wrench
12mm Socket / Wrench
10mm Socket / Wrench



INSTALLATION INSTRUCTIONS

1. Set the emergency brake and chock rear tires to prevent rolling.
2. Jack up the front of the vehicle with a floor jack. Place jack stands on the frame rail directly behind the lower control arm mounts. Lower the vehicle onto the jack stands. Remove tires and wheels.
3. Remove the bolt that secures the brake line to the knuckle using a 10mm wrench. **See Photo 1.**
4. Remove the ABS wire from the mounts on the control arm and from the clip on the upper coil seat. **See Photo 2.**





5. Remove the brake caliper using a 18mm socket and secure out of the way. **See Photo 3.** Remove the brake rotor and set aside.
6. Remove the tie rod end from the knuckle using a 18mm socket and secure out of the way. **See Photo 4.**


PHOTO 3

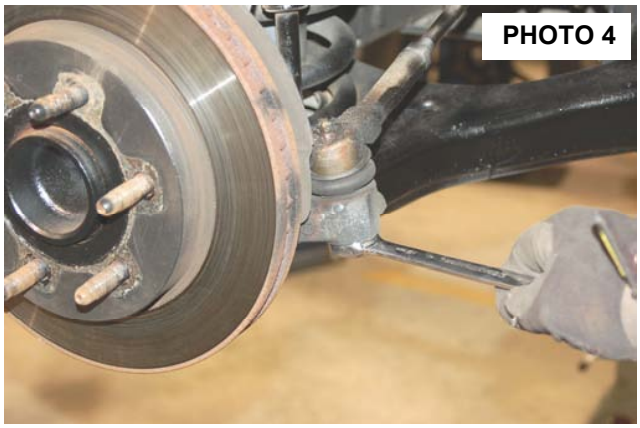


PHOTO 4

7. Loosen and remove the tie rod by striking the knuckle as shown to dislodge the tie rod. **See Photo 5.**
8. Place the floor jack directly underneath the lower control arm and loosen the upper ball-joint nut holding the upper control arm onto the knuckle using a 18mm wrench. **See Photo 6.**

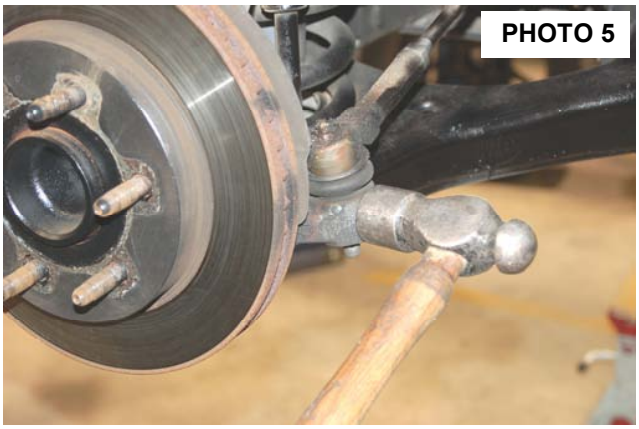


PHOTO 5

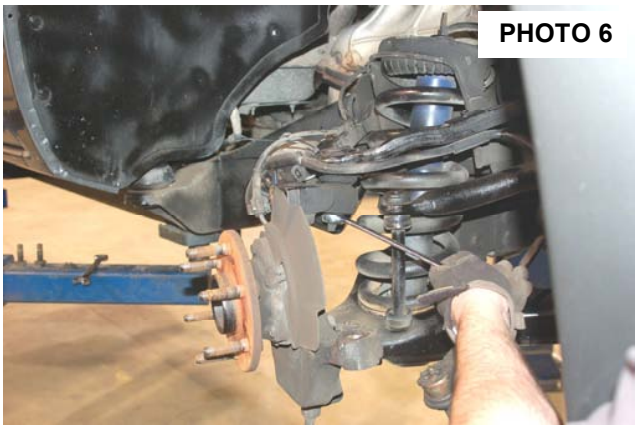


PHOTO 6

9. Remove the ball joint by either by using a ball joint separator tool or by striking on the upper portion of the knuckle until the upper ball joint is free. **See Photo 7.**
10. Loosen the lower ball joint nut using a 18mm wrench. **See Photo 8.** Do not remove the lower ball joint nut at this time.

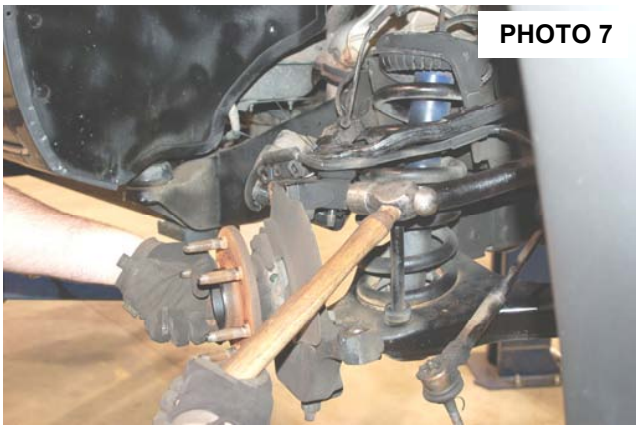


PHOTO 7

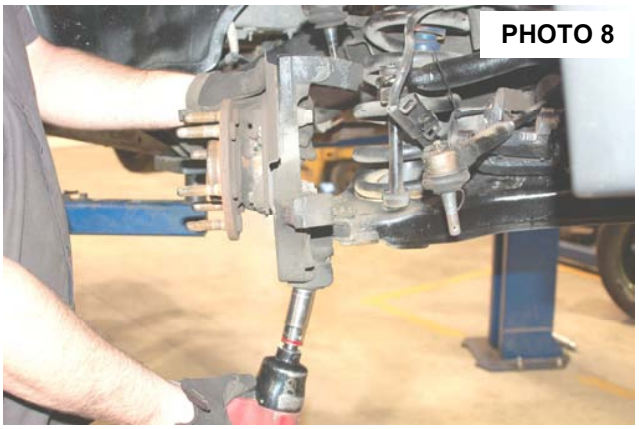
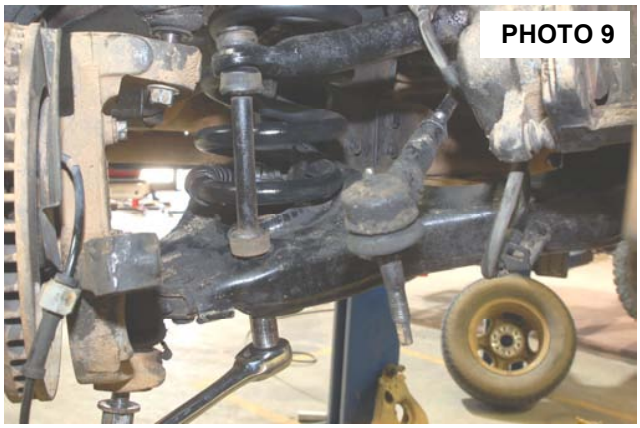
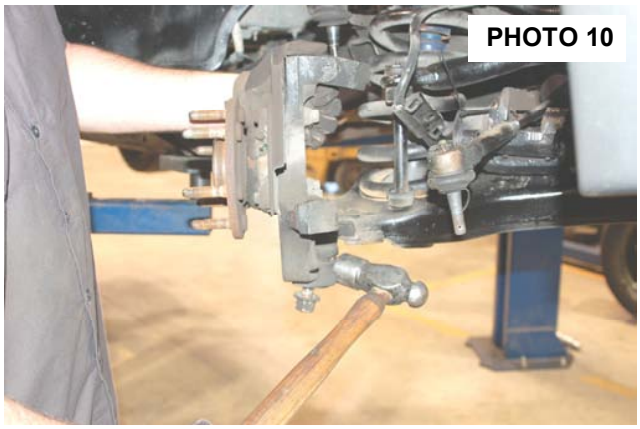


PHOTO 8

ROUGH COUNTRY
SUSPENSION SYSTEMS

11. Remove the sway bar using a 15mm wrench. **See Photo 9.**
12. Strike to dislodge the lower ball joint as shown in **Photo 10** and remove the lower nut and remove the knuckle from the vehicle.





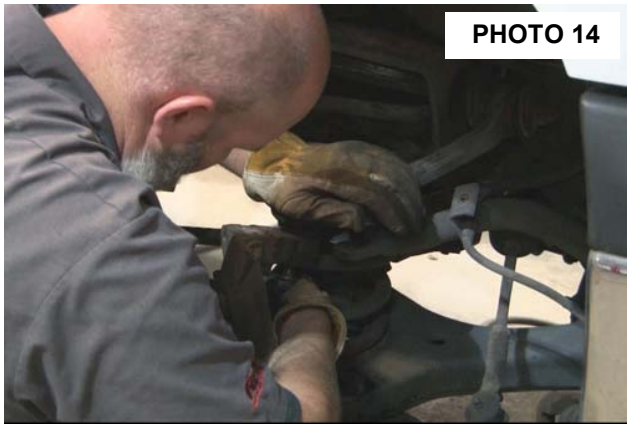
13. Remove the coil spring
14. Leaving coil spring isolator in place, install new spacer into top of coil spring. Rotate machined cutout 180 deg. from spring pigtail. **See Photo 11.**
15. Install coil spring into spring bucket, align machined cutout in spacer with lip on coil bucket. **See Photo 12.**



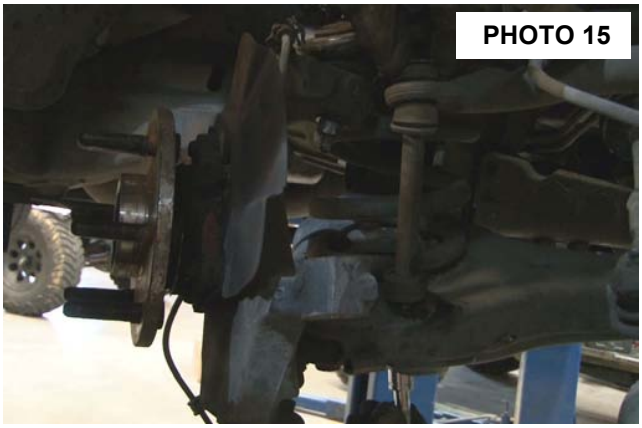


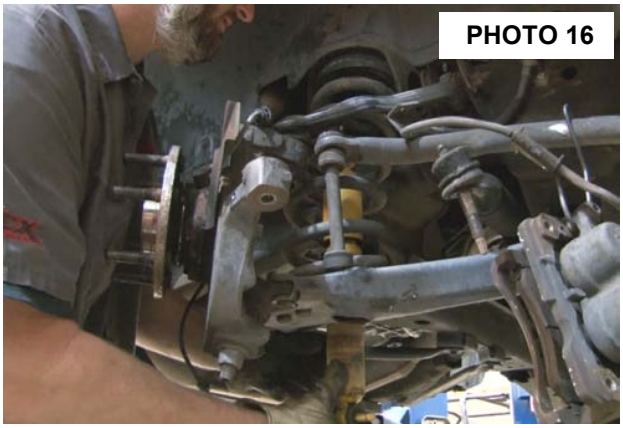
16. Use jack to raise lower control arm by compressing the coil spring. **See Photo 13**
17. Attach upper control arm to the knuckle using stock hardware and tighten using 18mm socket. **See Photo 14**





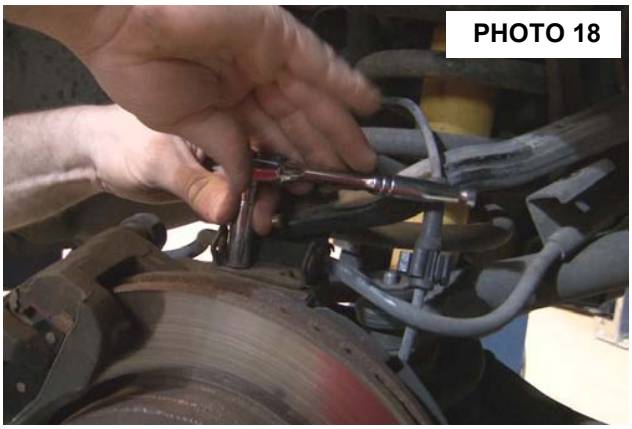
18. Install sway bar link using factory hardware. Tighten using 15mm wrench. **See Photo 15**
19. Install factory shock using factory hardware and tighten. **See Photo 16**





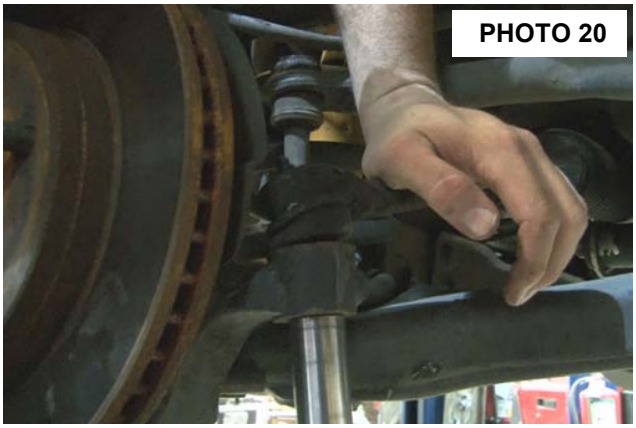
20. Slide brake rotor onto hub assembly.
21. Install brake caliper onto knuckle and tighten using 18mm socket, to factory specs **See Photo 17**.
22. Install brake line on knuckle and tighten using 10mm wrench. **See Photo 18**.
23. Attach brake line to upper control arm using factory hardware and tighten using 10 mm wrench. **See Photo 18**.





24. Route ABS wire back through factory clips and plug in. **See Photo 19**.
25. Install tie rod end in knuckle and tighten using 18mm wrench to factory specs. **See Photo 20**,





26. Repeat process for opposite side.
27. Install tires and wheels and lower vehicle to the ground.

POST INSTALLATION INSTRUCTIONS

1. Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed-members. Verify clearance between brake lines. Check steering gear for clearance. Test and inspect brake system.
2. 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.
3. Have a qualified alignment center align the vehicle immediately. Realign to factory specifications. Have headlights adjusted to proper settings.