TRAIL FORTRESS

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Rough Country 502077 Installation Instructions

M1 Adjustable Leveling Struts for Colorado & Canyon (2015–2022)

Part number: 502077

trailfortress.com/m1-adjustable-leveling-struts-colorado-canyon-rough-country-502077

Scan for fitment, price and install help

ROUGH COUNTRY SUSPENSION SYSTEMS®

2015-20 Colorado / Canyon Loaded Struts

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

⚠WARNING 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 this page. 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.

⚠WARNING 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 you have any questions concerning the design, function, and correct use of our products please contact us at 800-222-7023.

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 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 life.

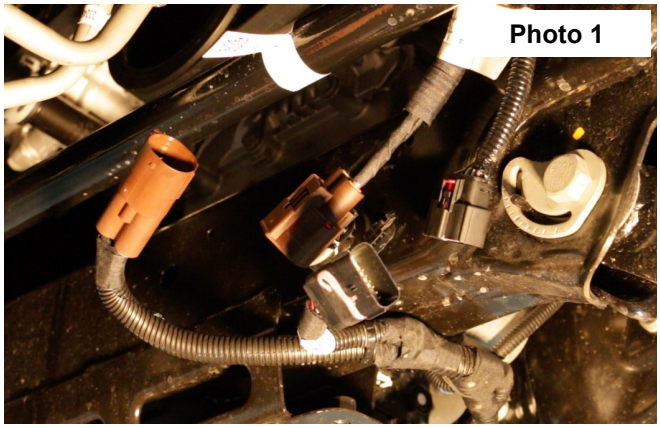
Tools Needed:

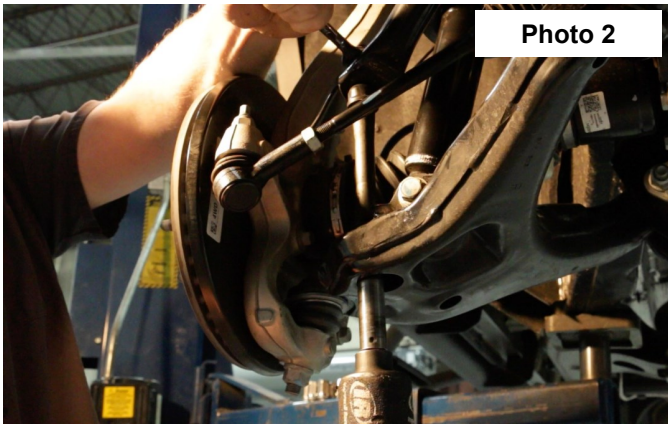
6mm Allen Wrench
10mm Wrench
13mm Socket
15mm Socket/Wrench
17mm Wrench
18mm Wrench
21mm Socket
22mm Socket
Dead Blow Hammer
Pry Bar

Kit Picture

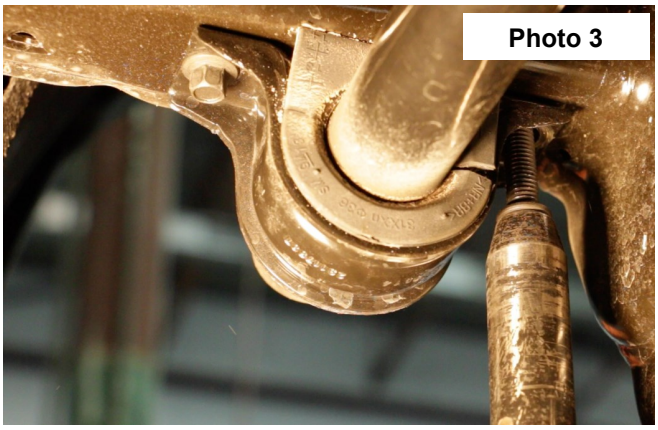


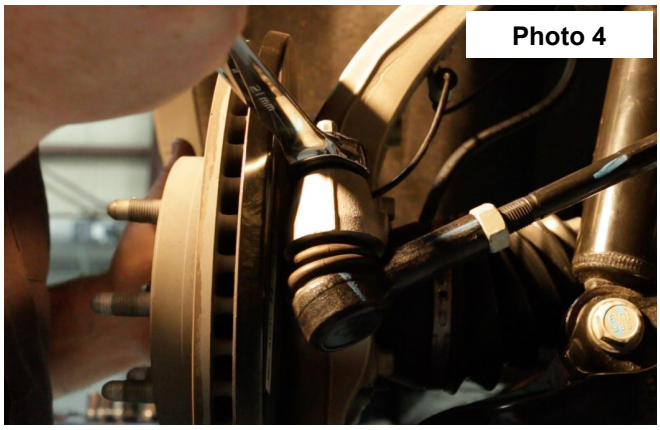
1. Remove tires and wheels using 22mm socket.
2. Remove skid plate using a 15mm socket.
3. Unplug the two connectors from the rack and pinion, both plugs are located on the front side. **See Photo 1.**
4. Using a 13mm socket and a 15mm wrench remove sway-bar links from both sides. **See Photo 2.**



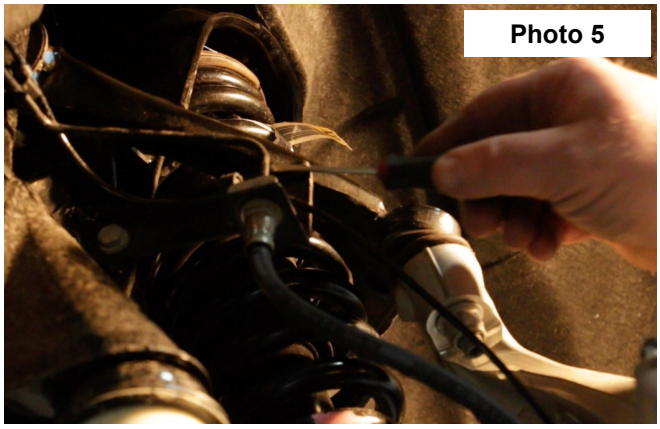


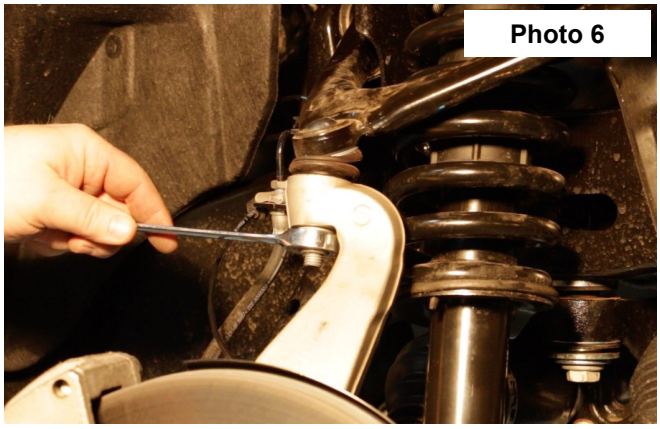
5. Remove sway-bar from the frame using a 10mm socket. **See Photo 3.**
6. Using a 10mm wrench to hold the stud and a 21mm wrench to remove the tie rod end. **See Photo 4.**



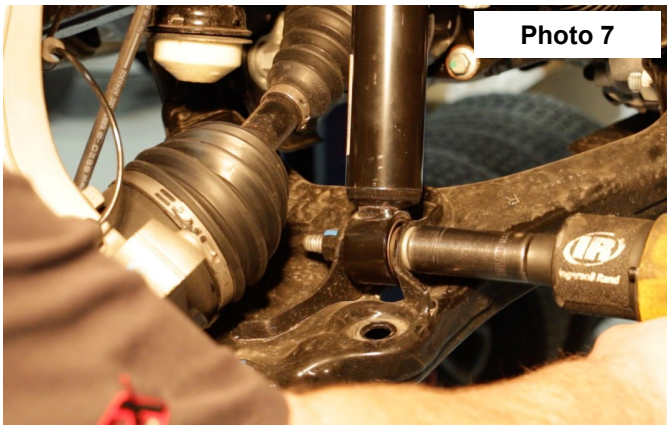


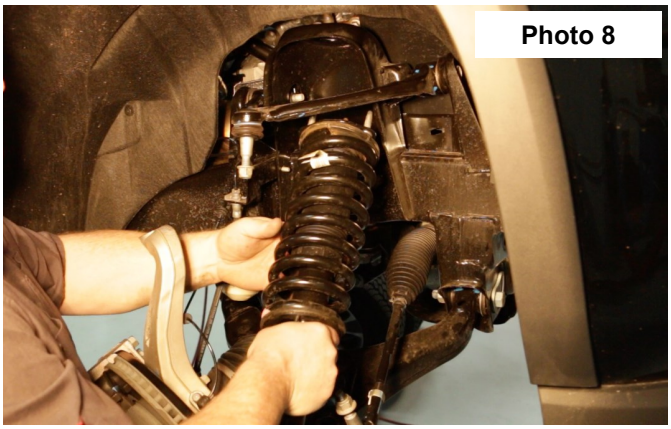
7. Unclip the ABS wire from stock brake line bracket, this will keep from damaging or pulling on the wire. **See Photo 5.**
8. Using a 6mm allen wrench to hold the stud and a 18mm wrench remove upper ball joint. **See Photo 6.**



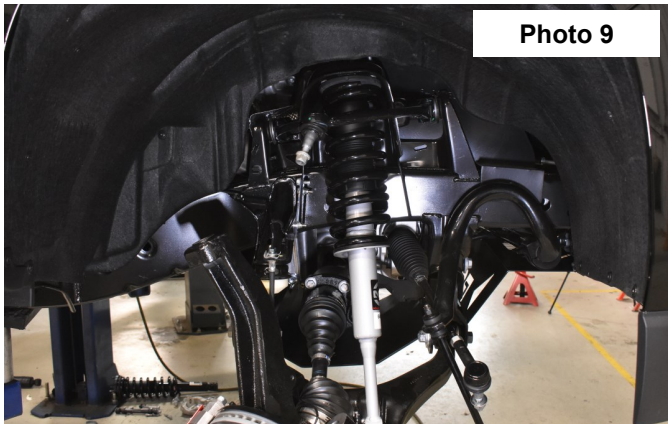


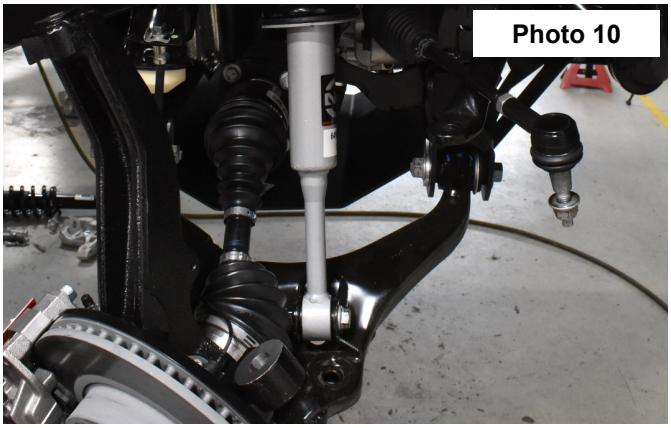
9. Use a 21mm socket remove the lower strut bolt. **See Photo 7.**
10. Using a 18mm wrench remove the upper strut nuts. Next remove strut assembly from the truck. **See Photo 8.**


Photo 7

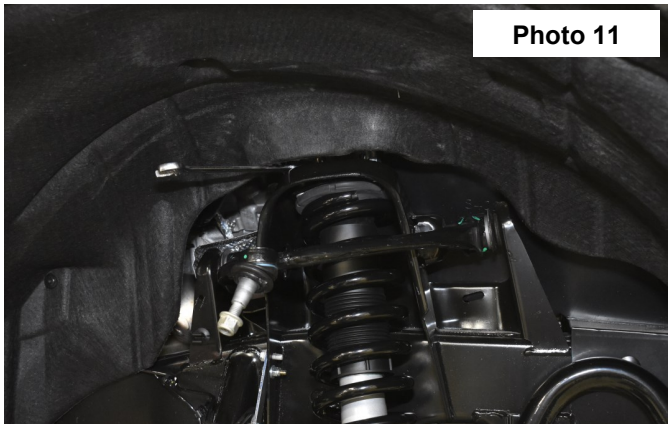

Photo 8

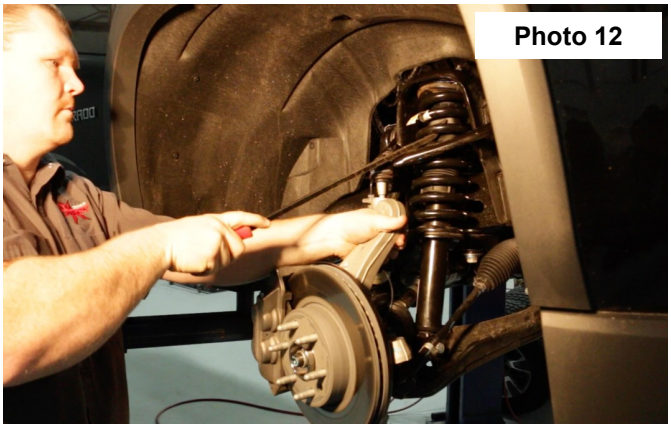
11. Install the supplied strut into the upper strut mount of the vehicle using the supplied nuts to secure the strut. Do not tighten at this time. **See Photo 9.**
12. Install the strut into he lower control arm mount using the retained OE bolt. This bolt will be tightened when the vehicle is on the ground. **See Photo 10.**


Photo 9

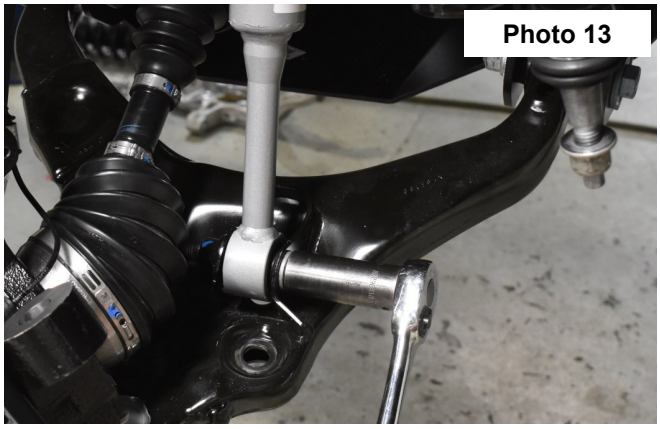

Photo 10

13. Tighten the upper strut mount using a 15mm wrench. **See Photo 11.**
14. Using a pry bar to push down on the upper control arm as shown in **Photo 12**, hand tighten the nut. Using 6mm allen wrench to hold the stud and 18mm wrench to tighten the ball joint.


Photo 11


Photo 12

14. Install the ABS wire back into the brake line clip.
15. Install the tie-rod using 10mm wrench on the stud and 21mm wrench for the nut.
16. Repeat steps 6-15 on the driver side.
17. Install sway-bar to the frame using stock hardware and a 10mm socket. Then install sway-bar links using a 13mm socket and 15mm wrench
18. Plug the two connectors back in for rack and pinion
19. Reinstall skid plate using a 15mm socket and install the tires and wheel.
20. Lower the vehicle onto the ground and tighten the lower strut bolt to the control arms using a 21mm wrench and socket. **See Photo 13.**



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