Rough Country 30270 Installation Instructions

30270

Part number: 30270

trailfortress.com/rough-country-2-5-inch-lift-kit-30270

Scan for fitment, price and install help

ROUGH COUNTRY SUSPENSION SYSTEMS®

30200BAG8

2014 - Up Ram 2500 2.5” Lift Kit

⚠NOTICE Rough Country recommends this system be installed by a certified technician. 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 Kit Contents List on the last page. Be sure you have all needed parts and know where they go.

PRODUCT USE INFORMATION

⚠NOTICE 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 will not be responsible for any product that is altered.

If question exist, please call us @1-800-222-7023 or use our online chat. We will be happy to answer any questions concerning the design, function, and correct use of our products.

Tools Needed:

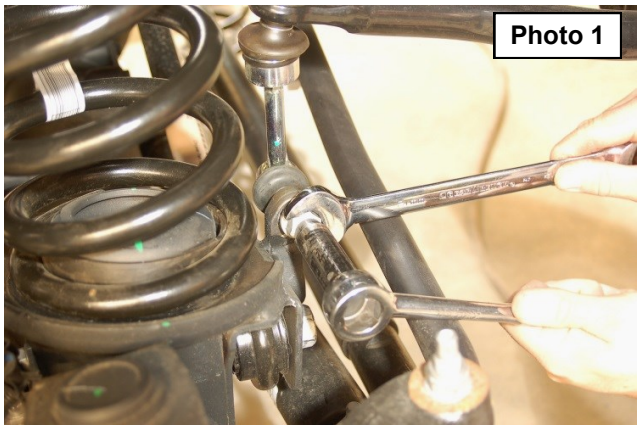
10mm Socket
13mm Socket
21mm Wrench / Socket
9/16” Wrench
7/8” Socket
22mm Wrenches
13/32” Drill
18mm Wrench/Socket

Torque Specs:

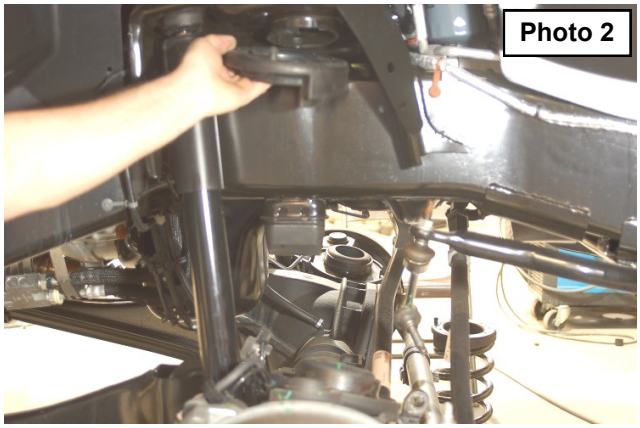
Size	Grade 5	Grade 8	Class 8.8		Class 10.9	
5/16”	15 ft/lbs	20 ft/lbs	6MM	5 ft/lbs		9 ft/lbs
3/8”	30 ft/lbs	35 ft/lbs	8MM	18ft/lbs		23 ft/lbs
7/16”	45 ft/lbs	60 ft/lbs	10MM	32ft/lbs		45ft/lbs
1/2”	65 ft/lbs	90 ft/lbs	12MM	55ft/lbs		75ft/lbs
9/16”	95 ft/lbs	130 ft/lbs	14MM	85ft/lbs		120ft/lbs
5/8”	135 ft/lbs	175 ft/lbs	16MM	130ft/lbs		165ft/lbs
3/4”	185 ft/lbs	280 ft/lbs	18MM	170ft/lbs		240ft/lbs

INSTALLATION INSTRUCTIONS

1. Chock the rear wheels. Jack up the front of the vehicle and place jack stands directly behind the lower control arm mounts on the frame rails. After the vehicle is on jack stands, position a floor jack underneath the front differential. This is to support the axle and to allow the front axle to droop to remove the stock coil springs. Remove the tires and wheels with a 7/8” socket.
2. Remove the sway bar link with a 10mm socket and a 21mm wrench. **See Photo 1**.
3. Remove the lower shock bolt using a 21mm socket. Note this bolt has a flag nut. Retain hardware for reuse.
4. Remove the push pin wire tie from the box on the axle for movement to remove the coil.
5. Remove the brake line from the mount on top of the radius arm using a 13mm socket.


Photo 1

6. Lower the axle with a jack and remove the factory coil springs. Push on the alignment pin on the isolator and remove from truck. **See Photo 2**.
7. Use the supplied 3/8” x 1.25” bolt, washer, and nut to bolt the spacer to the existing hole. **See Photo 3.**

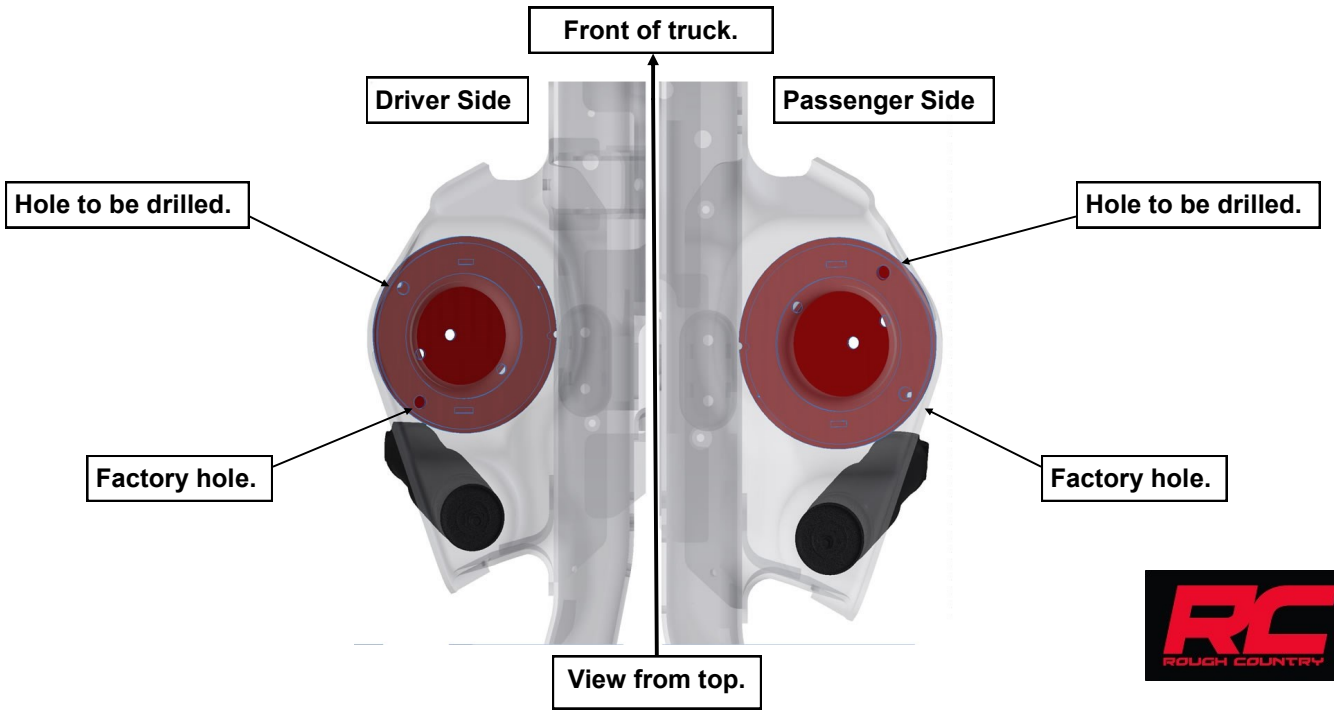




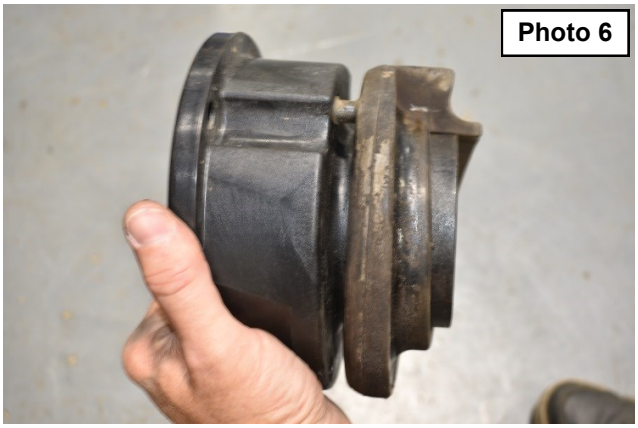
8. The hole towards the **front** of the truck will have to be drilled with a 13/32” drill bit. **See Photo 4**. Then use the supplied 3/8” x 1.25” bolts, washers, and nuts to tighten. If you do not have a long enough drill, you can mark the hole, remove the spacer and then drill the hole.
9. Using 9/16” wrenches, tighten front and rear 3/8” bolts, nuts and washers holding spacer to coil seat. **See Photo 5**.





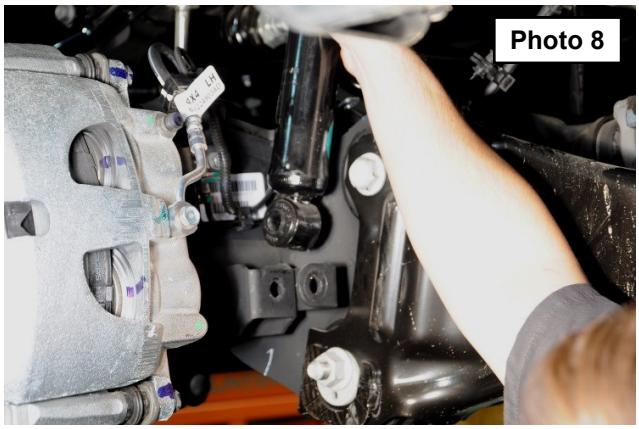


10. Place the coil spring isolator on the bottom of the coil spring spacer and align the push pin in the “D” hole on the driver side and the “P” hole on the passenger side. **See Photo 6**.
11. Install factory coil spring, making sure coil is properly seated in upper and lower mounts. **See Photo 7.**



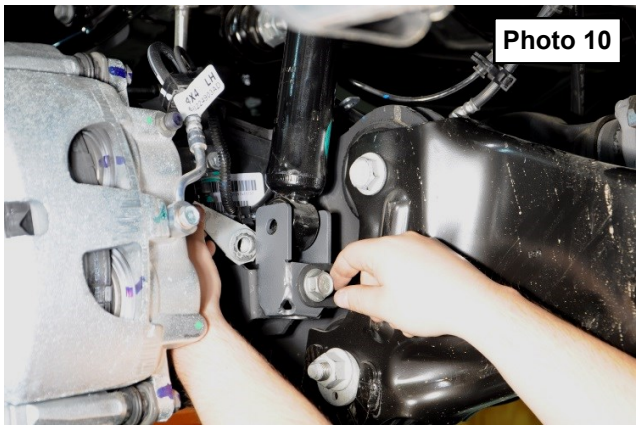


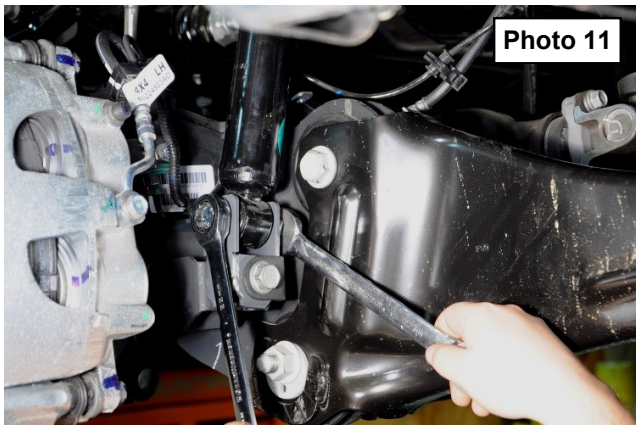
12. Rotate bottom of shock 90°. **See Photo 8.**
13. Insert supplied crush sleeve into shock relocation bracket. **See Photo 9.**





14. If installing kit with new shocks (660783), install now with the supplied hardware **(You will not use the shock relocation brackets with the Rough Country shocks)**.
15. If installing kit using factory shocks, install shock bracket, into factory location. Use factory bolt and flag nut. Tighten using a 21mm socket. **See Photo 10.**
16. Using supplied hardware, attach shock to relocation bracket and tighten using 22mm wrenches. **See Photo 11.**

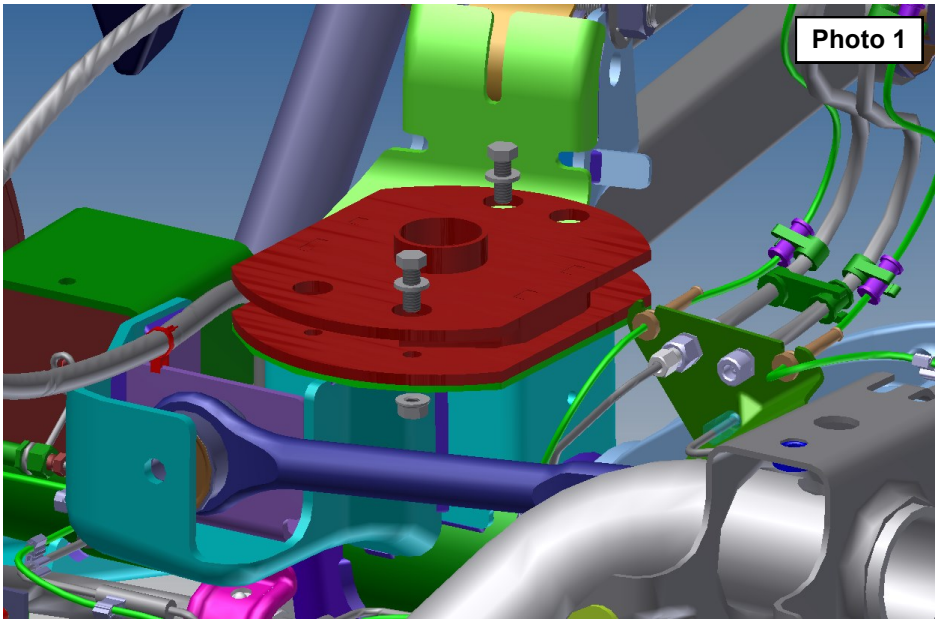




17. Raise the axle to reinstall lower sway bar link mount. Use the factory hardware and a 21mm socket, with a 10mm socket to tighten the sway bar link.
18. Place the push pin wire tie back into place on the box of the front axle.
19. Bolt the brake line into stock location using factory bolt and a 13mm socket.
20. Install front tires and wheels using a 7/8” socket.
21. Jack up the truck and remove jack stands. Lower the truck to the ground.

REAR INSTALLATION INSTRUCTIONS

1. Secure and block the front tires of the truck on level hard surface.
2. Using a 21mm wrench remove the track bar bolt on the frame. Raise the rear of the vehicle and support the frame with jack stands. Place a jack under the rear axle to support the weight. Remove the rear wheels and tires and set aside.
3. Using a 21mm, remove the rear shock from the lower mount. If installing new shocks remove the factory shock from the upper mount using an 18mm.
4. Using an 18mm wrench, remove the sway bar link from the axle mount.
5. Lower the axle and remove the coil spring and spring isolator.
6. Install the new spacer on the axle as shown in **Photo 1.** Secure the spacer to the axle using the supplied 3/8”x1.25” bolts, washers, and flange lock nuts.



7. Tighten using 9/16” wrenches.
8. Install the factory coil and spring isolator.
9. Using the factory hardware, install the sway bar link on the axle mount. Torque to factory specs using an 18mm.
10. Install the factory shock in the lower mount using the factory hardware. If installing RC shocks (660783)use supplied upper hardware and factory lower. Torque to factory specs.
11. Repeat steps 3-10 on opposite side.
12. Install wheels and tires and lower the truck to the ground.
13. Install the track bar bolt and torque using a 21mm.

POST INSTALLATION INSTRUCTIONS

1. Using a certified alignment professional, have an alignment done to factory specifications. Coil may be slightly bowed until correct caster angle is achieved at alignment.
2. Re torque all fasteners after 500 miles. Visually inspect components and re torque fasteners during routine vehicle service.
3. Readjust headlights to proper settings.
4. Visually check all components for proper working order prior to driving.
5.

Alignment Specs

2014-UP Ram 2500/ Pickup 4WD

Front	←	→□←	→
Total Toe	+0.10°	+0.20°	+0.30°
Front Camber	-0.25°	+0.25°	+0.75°
Caster	+4.00°	+4.50°	+5.00°
King-Pin	———	———	———
Incl. Angle	———	———	———
Rear			
Total Toe	-0.20°	+0.10°	+0.40°
Rear Camber	-0.45°	-0.10°	+0.25°
Thrust Angle	-0.25°	+0.00°	+0.25°

THANK YOU FOR CHOOSING ROUGH COUNTRY FOR YOUR SUSPENSION NEEDS.

By purchasing any item sold by Rough Country, LLC, the buyer expressly warrants that he/she is in compliance with all applicable Federal, 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.

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Kit Contents:

2– Offset Coil Spring Spacers
2– Shock Relocation Brackets (30200)
2– 660783 Front Shocks (30230)
2– 660783 Rear Shocks (30230)
2– Rear Coil Spacers
1-30200Bag4 (30200):
4-3/8” Flange Lock Nuts
8-3/8” x 1.25” Bolts
8-3/8” Flat Washer
4-3/8” Nylon Lock Nuts
2– Sleeves
2– 14mm x 75mm Bolts
2– 14mm Nylock Nuts
4– Flat Washers
1-30220Bag2 (30220):
4-3/8” Flange Lock Nuts
8-3/8” x 1.25” Bolts
8-3/8” Flat Washer
4-3/8” Nylon Lock Nuts

30200



30230

