

# ROUGH COUNTRY

## SUSPENSION SYSTEMS®

### RAM 2013 - Up 3500 | 2014 - Up 2500 2.5" Leveling 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. 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.

#### Kit Contents:

**2- Offset Coil Spring Spacers**

**2- Shock Relocation Brackets**

**1-375bag3:**

4-3/8" x 1.25" Bolts

4-3/8" Flat Washer

4-3/8" Nylon Lock Nuts

2- Sleeves

2- 14mm x 75mm Bolts

2- 14mm Nylock Nuts

4- Flat Washers



#### Tools Needed:

10mm Socket

13mm Socket

21mm Wrench / Socket

9/16" Wrench

7/8" Socket

22mm Wrenches

13/32" Drill

#### 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 radi-arm using a 13mm socket.

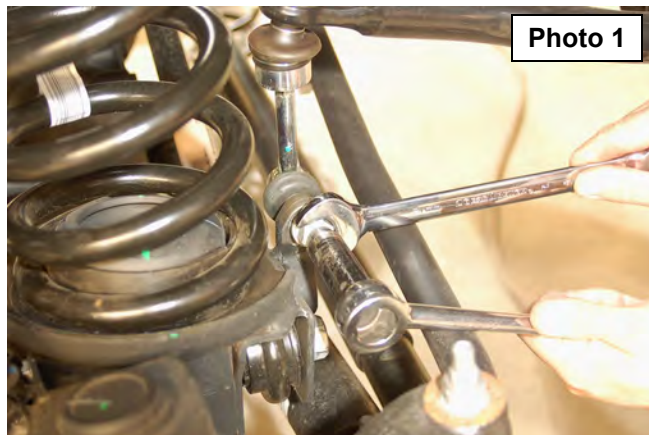


Photo 1

us



- 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 1.**
- Use the supplied 3/8" x 1.25" bolt, washer, and nut to bolt the spacer to the existing hole. **See Photo 3.**

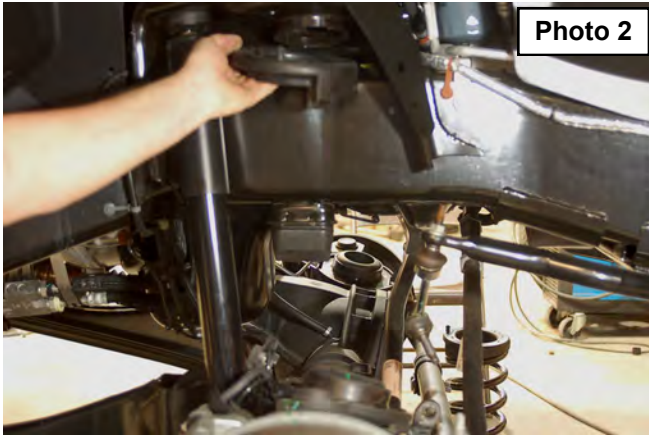


Photo 2



Photo 3

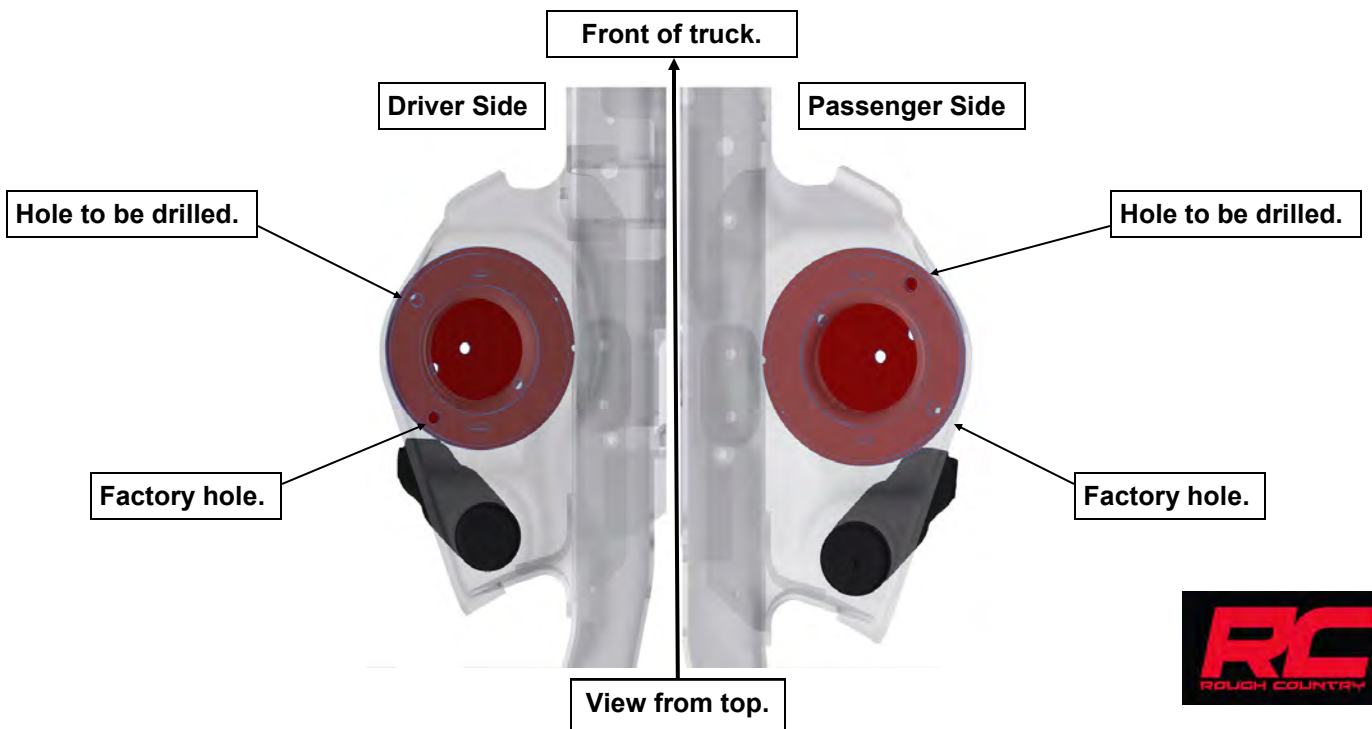
- The hole towards the **front** of the truck will have to be drilled with a 13/32" drill bit. **See Photo 4.** Then use the supplied 3/8" x 1.25" bolts, washers, and nuts to tighten. If you do not have a long enough drill, you can mark the hole, remove the spacer and then drill the hole.
- Using 9/16"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



Photo 4

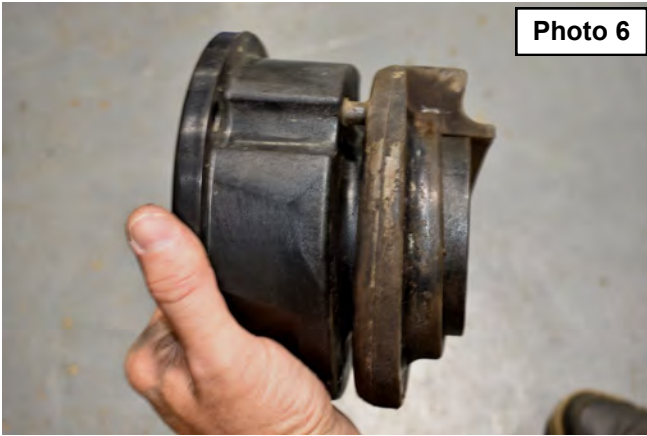


Photo 5

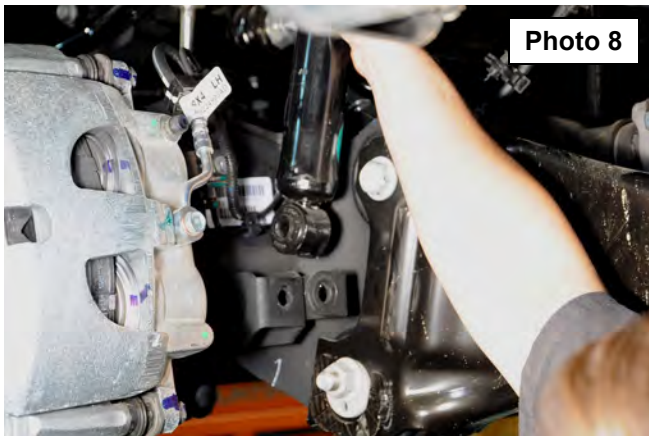




10. Place the coil spring isolator on the bottom of the coil spring spacer and align the push pin in the "D" hole on the driver side and the "P" hole on the passenger side. **See Photo 6.**
11. Install factory coil spring, making sure coil is properly seated in upper and lower mounts. **See Photo 7.**



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



14. Install shock bracket, into factory location. Use factory bolt and flag nut. Tighten using a 21mm socket. **See Photo 10.**
15. Using supplied hardware, attach shock to relocation bracket and tighten using 22mm wrenches. **See Photo 11.**



16. 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.
17. Place the push pin wire tie back into place on the box of the front axle.
18. Bolt the brake line into stock location using factory bolt and a 13mm socket.
19. Install front tires and wheels using a 7/8" socket.
20. Jack up the truck and remove jack stands. Lower the truck to the ground.
21. 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.

### POST INSTALLATION INSTRUCTIONS

1. Re torque all fasteners after 500 miles. Visually inspect components and re torque fasteners during routine vehicle service.
2. Readjust headlights to proper settings.
3. Visually check all components for proper working order prior to driving.

### Alignment Specs

#### 2013-2014 Ram 2500/3500 Pickup 4WD

	$\leftarrow$	$\rightarrow$ <input type="checkbox"/> $\leftarrow$	$\rightarrow$
<b>Front</b>			
<b>Total Toe</b>	+0.10°	+0.20°	+0.30°
<b>Front Camber</b>	-0.25°	+0.25°	+0.75°
<b>Caster</b>	+4.00°	+4.50°	+5.00°
<b>King-Pin</b>	—	—	—
<b>Incl. Angle</b>	—	—	—
<b>Rear</b>			
<b>Total Toe</b>	-0.20°	+0.10°	+0.40°
<b>Rear Camber</b>	-0.45°	-0.10°	+0.25°
<b>Thrust Angle</b>	-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.

