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Rough Country 33730 Installation Instructions

1.5-Inch Leveling Kit with N3 Shocks for Ram 2500 (1994-2002)

Part number: 33730

trailfortress.com/1-5-inch-leveling-kit-ram-2500-rough-country-33730

Scan for fitment, price and install help

921337000

ROUGH COUNTRY SUSPENSION SYSTEMS®

1994-02 Dodge 2500 1.5” 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.

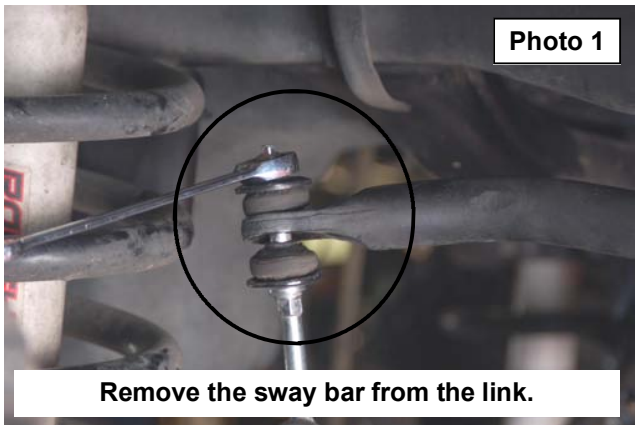
Kit Contents:
377
- **2– Coil Spring Spacers**
- **2– Shock Relocation Brackets**
- **1-10MMSTUDBAG-1:**
  - **1- 1/2” Jam Nut**
  - **7- 10mm Nuts**
  - **6- 10mm x 1.25” Studs**
  - **6-10mm Lock Washers**
  - **6-10mm Flat Washers**

377.20- Also has (2) 658787 Shocks

Tools Needed:
10mm Socket
15mm Wrench
17mm Wrench/Socket
18mm Wrench/Socket
21mm Wrench / Socket
7/8òSocket

INSTALLATION INSTRUCTIONS

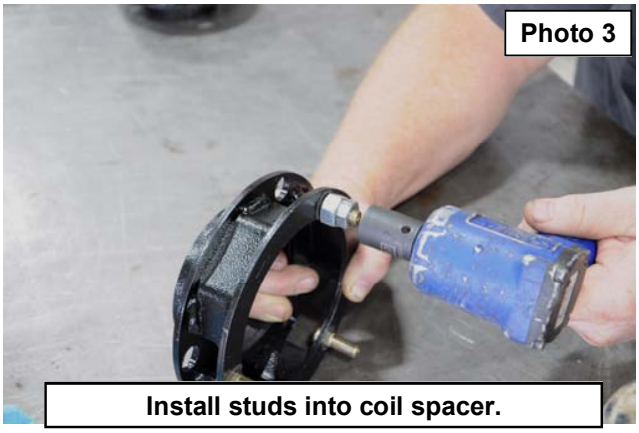
1. Chock the rear wheels. Jack up the front of the vehicle and place jack stands directly behind the lower control arm mounts on the frame rails. After the vehicle is on jack stands, position a floor jack underneath the front differential. This is to support the axle and to allow the front axle to droop to remove the stock coil springs. Remove the tires and wheels with a 7/8òsocket.
2. Remove the upper end of the sway bar link from the sway bar using a 15mm wrench. **See Photo 1**.
3. Remove the 3 upper nuts on the top of the coil spring seat that secure the upper shock mount to the coil seat using a 15mm wrench. Access to the rear bolts can be obtained from the engine compartment.
4. Remove the lower shock bolt using a 21mm wrench/ socket. Retain hardware for reuse. Remove the shock and shock tower from the vehicle. Shocks are removed by pulling them up through the engine compartment.
5. Remove the upper shock stud from the shock mount using a 18mm wrench/ socket. Retain the stock bushings and hardware for reuse.



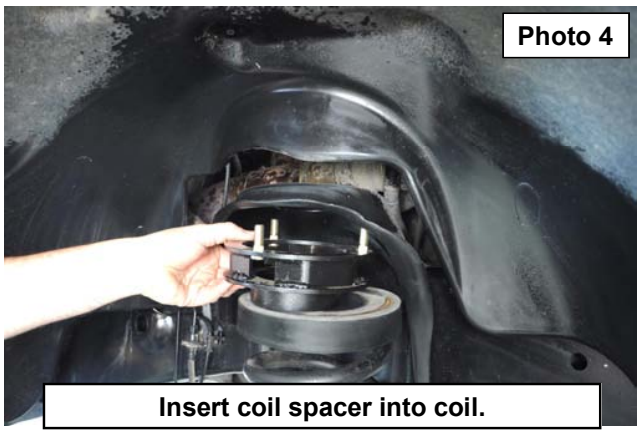
Remove the sway bar from the link.

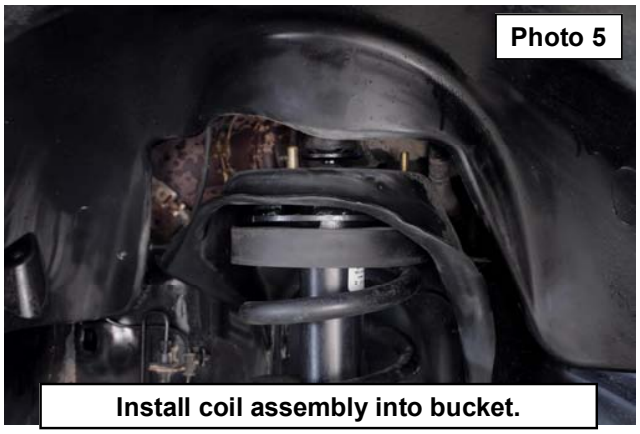
6. Lower the axle with a jack and remove the factory coil springs. **See Photo 2**.
7. Using a 17mm socket and supplied 1/2òjam nut, install the 10mm studs into the coil spacer. **See Photo 3.**





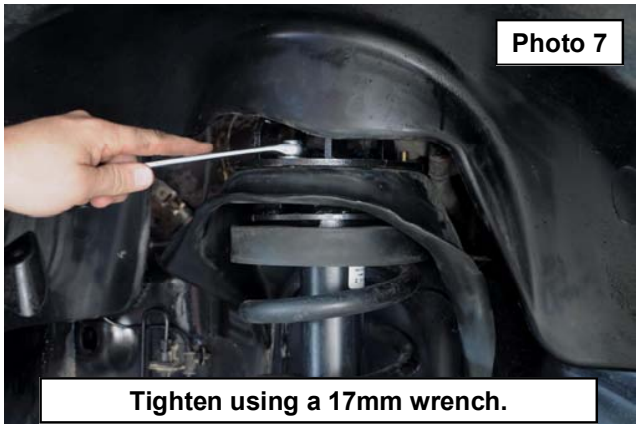
8. Place the coil spacer into the factory isolator on the coil. Then use the jack to lift the axle up, aligning the studs on the coil spacer with the existing holes in the coil bucket. **See Photo 4**.
9. Install the shock from the top and secure the bottom mount with the factory hardware. **See Photo 5**. If you have the kit with new RC shocks, install shocks with shaft up.



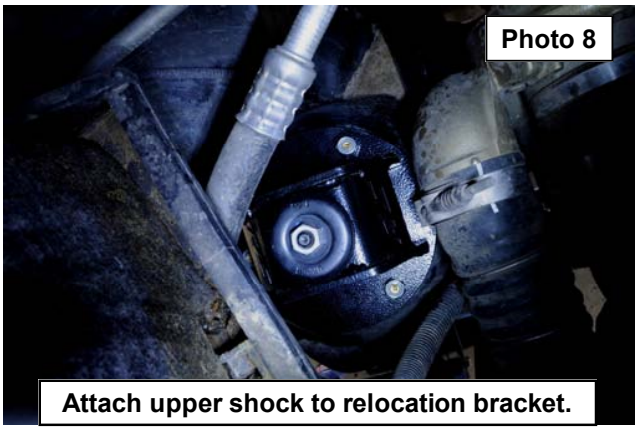


10. Place the new shock mount on top of the coil bucket and secure using the supplied 10mm nut, lock washer, and flat washer. **See Photo 6**. **If using RC extended shocks (658787) you will use the factory upper shock mount.**
11. Tighten 10mm nuts using a 17mm wrench or socket. Gain access to the rear studs through the engine compartment. **See Photo 7.**





12. Attach upper shock stud to new shock mount. **See Photo 8.** Factory shock will use the factory hardware, RC shock will use supplied hardware.



13. 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.
14. Install front tires and wheels using a 7/8òsocket.
15. Jack up the truck and remove jack stands. Lower the truck to the ground.
16. 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.

Alignment Specs

1994-2002 Ram 2500/3500 Pickup 4WD

Front	←	→□←	→
Total Toe	-0.00°	+0.10°	+0.20°
Front Camber	-0.75°	-0.25°	+0.25°
Caster	+2.25°	+3.25°	+4.25°
King-Pin	ð ð ð	ð ð ð	ð ð ð
Incl. Angle	ð ð ð	ð ð ð	ð ð ð
Rear			
Total Toe	°	°	°
Rear Camber	°	°	°
Thrust Angle	-0.25°	+0.00°	+0.25°

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.

377 Shown Below



377.20 Shown Below



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.