Rough Country 371.20 Installation Instructions

5-Inch Lift Kit with N3 Shocks for 1994–1999 Dodge Ram 1500 4WD

Part number: 371.20

trailfortress.com/rough-country-5-inch-lift-kit-371-20

Scan for fitment, price and install help

92371200

ROUGH COUNTRY SUSPENSION SYSTEMS®

94-01 5” 1500 DODGE LIFT KIT N2.0

Thank you for choosing Rough Country for 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 parts list. Be sure you have all the needed parts and understand where they go. Also please review the 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. We strongly recommend, because of roll-over possibility, that seat belts and shoulder harnesses should be worn at all times. Avoid situations where a side roll-over may occur.

Braking performance and capabilities are decreased when significantly larger/heaver tires and wheels are used. Take this into consideration while driving. Also, speedometer recalibration is necessary when larger tires are installed.

Do not add, alter, or fabricate any factory or after-market parts which increase vehicle height over the intended height of the Rough Country product purchased. Mixing component brands, lifts, and/or combining body lift with suspension lifts voids all warranties. 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.

This kit is packaged as a leveling kitð raising the front 5òand the back 4ò If you desire a different look or if your truck has a tool box or added weight in the rear please consult with your sales representative about other block and u-bolt options or the use of an add-a-leaf.
The 5òsuspension system was developed for a 35x12.50x15 tire on an after market wheel with 5òof back spacing.

⚠NOTICE **NOTICE TO DEALER AND VECHICLE OWNER**

Any vehicle equipped with any Rough country product must have the ñWarning to Driverò 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**ð 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.

Kit Contents:

9280:Front Coil Springs
1371BOX1:
- Upper Control Arms
- Lower Control Arms

1371BOX2
- Sway bar Brackets
- Track Bar Bracket
- 4-U-bolts
- 2-4òblocks

6612: Pitman Arm
1394.20
- Shock Kit Box

Tools Needed:

Torque Wrenches
½òDrive Rachet and Sockets
Assorted Combination Wrenches
Heavy Duty Jack Stands
Hydraulic Floor Jacks
Channel Locks
Drill
17/32òBit
Hammers
C-Clamps
Center Punch
Rubbing Alcohol
Safety Glasses
Anti-Seize Compound

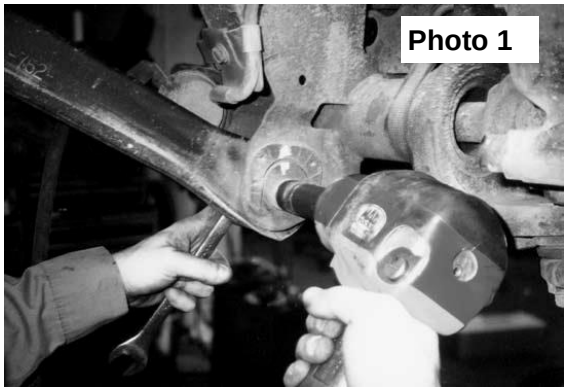
Torque Specs:

Size	Grade 5	Grade 8
5/16ò	15 ft/lbs	20 ft/lbs
3/8ò	30 ft/lbs	35 ft/lbs
7/16ò	45 ft/lbs	60 ft/lbs
1/2ò	65 ft/lbs	90 ft/lbs
9/16ò	95 ft/lbs	130 ft/lbs
5/8ò	135 ft/lbs	175 ft/lbs
3/4ò	185 ft/lbs	280 ft/lbs

	Class 8.8	Class 10.9
6MM	5 ft/lbs	9 ft/lbs
8MM	18ft/lbs	23 ft/lbs
10MM	32ft/lbs	45ft/lbs
12MM	55ft/lbs	75ft/lbs
14MM	85ft/lbs	120ft/lbs

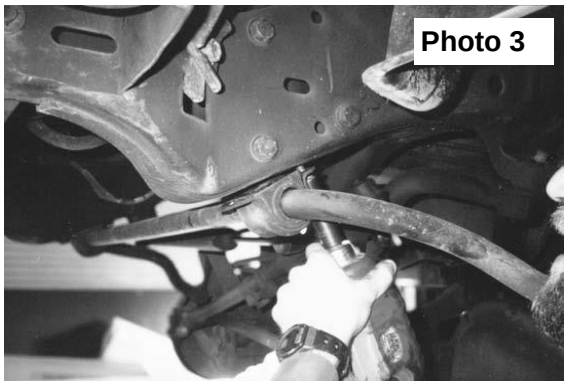
FRONT INSTALLTION INSTRUCTIONS

1. Block the rear wheels of the vehicle. Raise the front of the vehicle and support the vehicle with jack stands under the frame rails. Remove the front wheels and tires and set aside. Position a hydraulic jack under the front axle and raise the jack until the front suspension begins to compress.
2. On both sides of the vehicle, scribe alignment marks on the adjustment cam and axle bracket at the lower link to axle attachment point for later reference. **See Photo 1**
3. Unbolt the brake line brackets from the axle to ensure brake line free play during the suspension system installation. Remove the center disconnect vacuum lines from the clamp on the axle.
4. Remove the nut, retaining washer and rubber bushing from the both upper shock mounts located inside the engine compartment.
5. Remove the lower shock bolts on the axle as shown in **Photo 2** and save for later installation. The shock absorbers will be removed from the vehicle at the same time the coils are removed from the vehicle.





6. Remove the (4) bolts on the sway bar to frame brackets and allow the sway bar to rotate down. Save these bolts for later installation. **See Photo 3**.
7. Carefully lower the jack until the coil springs are free (the upper suspension arm will be contacting the axle bracket) Remove the coil springs and shocks from the vehicle. Note: use of a coil spring compressor may be required for spring removal.
8. Remove the lower suspension arm nut, cam and cam bolt from the axle. Remove the nut and bolt from the frame attachment point as shown in **Photo 4** and remove the lower suspension arm from the vehicle. Repeat this step for the opposite side of the vehicle. Note: save bolts, nuts and washers for later installation.







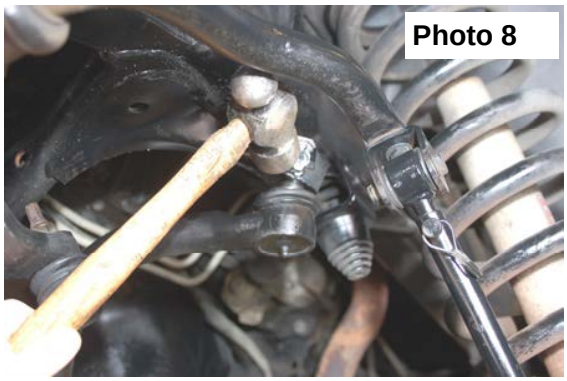
9. Attach the grease fittings provided with the new Rough Country lower suspension arms using a 3/8" wrench. Note: install two **90º** grease fittings into the **lower suspension arms.** Insert the two bushing halves into the lower suspension arm and press in the lower suspension arm sleeve provided. **The 2000 and above will use the qty 4-short 14mm sleeves for the upper arm and the lower arm will use the qty 4-16mm longer sleeves. The installer can check this by using the stock arm bolt.** The use of a vice or C-clamp may facilitate the insertion of the sleeve.
10. Install the new Rough Country lower suspension arms in place of the stock lower suspension arms as shown in **Photo 5**. Slight prying of the mounts may be necessary for arm installation. Install the original rear suspension arm bolt and slightly tighten the nut. Install the original front suspension arm bolt and slightly tighten the nut. Refer to the reference mark on the cam bolt and the axle when installing the cam bolt.

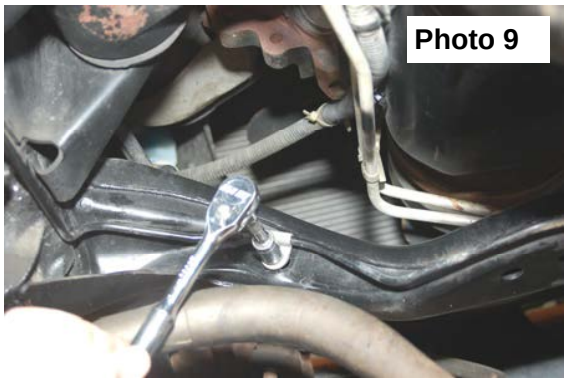
11. Remove the upper suspension arm nut and bolt at the axle a shown in **Photo 6**. Remove the nut and bolt at the frame and remove the upper suspension arm. Repeat this step for the opposite side of the vehicle. **Note: save bolts, nuts and washers for later installation.**
12. Attach the grease fittings provided to the new Rough Country upper suspension arms using a **3/8"** wrench. **Note: install one 90º fitting and one straight fitting into the upper** suspension arms. Insert the two bushing halves into the upper suspension arm and press in the upper suspension arm sleeve provided.
13. Install the upper suspension arms in place of the stock upper suspension arms as shown in **Photo 7**. Slight prying of the mounts may be necessary for arm installation. Install the original front and rear suspension arm bolt and slightly tighten the nuts.


Photo 6


Photo 7

14. Remove the track rod from the bracket on the frame by removing the cotter key and using a 21mm wrench. Strike the bracket as shown in **Photo 8** to dislodge the stock track rod.
15. Remove the brake line from the frame clip using a 13mm wrench. This is done to allow room for the new track bar bracket to mount to the frame. **See Photo 9**.
16. In-

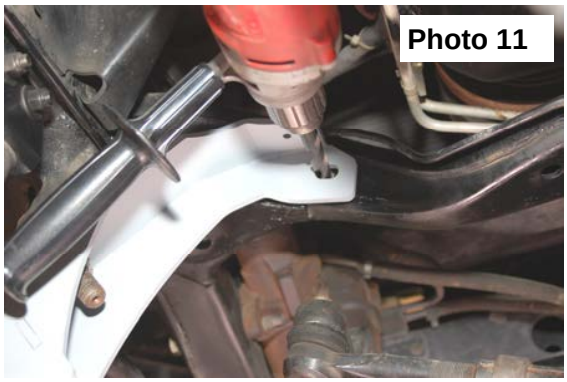

Photo 8


Photo 9

stall the new track rod bracket in stock mount with flat washer in between the bracket and the stock mount as shown with supplied 18mm x 70mm bolt, washer/nut. Tighten using a 1 1/16 wrench. **See Photo 10.**

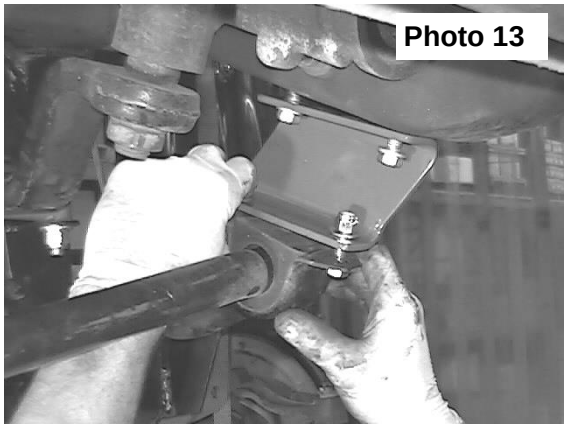

Photo 10

19. Using the new bracket as a guide, mark the rear hole on the cross member and drill using a 17/32ò drill bit. **See Photo 11.** Secure with supplied 1/2ò x 2 1/2ò bolt, washers/nut. Tighten using 19mm wrench.
20. Relocate the brake line onto the new bracket with the supplied 1/4ò x 1ò bolt, washer/nut. Tighten using a 7/16ò socket/wrench. **See Photo 12.**
21. Install the stock track bar in the new bracket and tighten using a 21mm wrench and install cotter key.





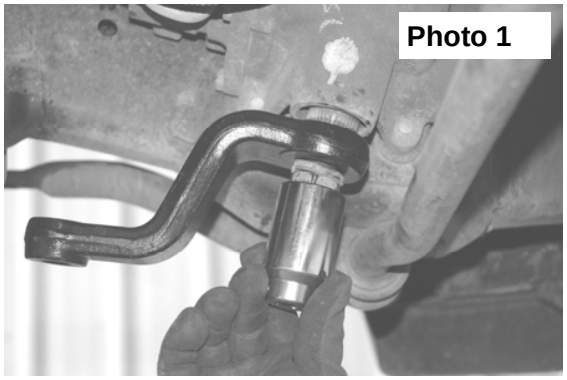
22. Assemble the shock absorbers Part #658732 or RCX 2.2ôs 660574 with the supplied poly bushings and install the shock in the upper mount. **Note: The RCX 2.2 shock absorbers are designed to run with the body on the frame and the piston rod down.**
23. With the axle lowered, install the Rough Country coil springs. The use of a coil spring compressor will ease installation.
24. Jack up the axle until the spring can be seated in the mount. Check to be sure the spring is properly seated by checking the wrap on the coil spring in relation to the lower mount.
25. If a coil spring compressor was used, remove it at this time.
26. Repeat steps 22-25 for opposite side of the vehicle.
27. With the floor jack still under the axle and compressed slightly.
28. Install the lower end of the shocks in the stock location and tighten using stock hardware.
29. Attach the wheels and tires to the vehicle and lower it to the ground
30. Install the drop sway bar brackets on the frame with the stock hardware.
31. Install the sway bar onto the bracket with the supplied 7/16ò x 1ò bolts, washers/nuts. **See Photo 13**.



If the vehicle you are working on is equipped with a stock steering stabilizer, remove the stabilizer from the stock location. Because of the pitman arm location you will not be able to reuse the stock steering stabilizer. Rough Country offers a replacement and a dual stabilizer part #87321 that can be used for this application. Call your local Rough Country dealer for more information.

PITMAN ARM INSTALLATION INSTRUCTIONS

1. Remove the cotter pin and nut from the drag link at the pitman arm. Retain the nut to be reused. Separate the drag link ball stud from the pitman arm with a puller tool. Do not use a pickle fork.
2. Rotate the stock tie rod 180 degrees.
3. Mark the position of the original pitman arm. Remove the nut and washer from the steering gear box. Align and install new pitman arm on the steering gear shaft as shown in **Photo 1**. Install the stock washer /nut. Tighten hardware.
4. Reinstall the drag link on the pitman arm using the factory hardware and tighten hardware. Install the cotter pin in the stock castle nut.



REAR INSTALLTION

1. Chock front wheels and jack up the rear of the vehicle. Secure with jack stands on the frame rail.
2. Place a floor jack under the rear differential on the rear axle. Using a 18mm socket and wrench, remove the stock shock absorbers, retain the stock hardware for reuse.
3. Using a 24mm socket, remove the stock u-bolts. Use the floor jack to lower the axle assembly to allow for lifted block installation.
4. Install the Rough Country block in between the leaf spring and the axle with the thick part of the block to the rear. Jack up the axle and align the pins in the blocks and axle seat. Secure with new u-bolts and torque evenly to 85 ft/lbs.
5. Locate shock part #658704 or RCX 2.2 #660562 and assemble poly bushings and sleeve in shock. Using a 18mm socket, and wrench, Install using factory hardware on upper and lower shock mount
6. Install the tires and wheels
7. Jack up the rear of the vehicle and remove the jack stands. Lower the vehicle to the floor.

POST INSTALLTION INSTRUCTIONS

Check all fasteners for proper torque. Check to ensure there is adequate clearance between all rotating, mobile, fixed and heated members. Check steering gear for interference and proper working order. Test brake system.
Perform steering sweep. Check to ensure brake hoses have sufficient slack and will not contact rotating, mobile, or fixed members, adjust lines/brackets to eliminate interference and maintain proper working order. Failure to perform inspections may result in component failure.
Re-torque all fasteners after 500 miles. Visually inspect components and re-torque fasteners during routine vehicle service.
Readjust headlights to proper settings.

Kit Picture





KIT ALSO AVAILABLE WITH RCX 2.2 SHOCK ABSORBERS

THANK YOU FOR CHOOSING ROUGH COUTRY 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 , 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.