Rough Country 60800RED Installation Instructions

3-Inch Lift Kit for 2022-2025 Jeep Wagoneer 4WD

Part number: 60800RED

trailfortress.com/rough-country-3-inch-lift-kit-60800red

Scan for fitment, price and install help

921608000

ROUGH COUNTRY
SUSPENSION SYSTEMS®



Jeep 2022-25 Wagoneer 4WD 3” Lift Kit

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

DOES NOT FIT TRX PACKAGE VEHICLES!!

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 kit contents list on the back page. Be sure you have all needed parts and know where they go. Also please review tools needed list and make sure you have the tools needed to install the kit.

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.

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.

We will be happy to answer any questions concerning the design, function, and use of our products.

This suspension system was developed using a 295/60-20 tire, with factory wheels.

⚠NOTICE **NOTICE TO 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. 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.

⚠NOTICE 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.

⚠NOTICE Note to installer : Before installation begins we recommend that a test drive be performed. While driving check for uncommon sounds and/or vibrations . What you feel and hear during the test drive will only magnify once lift kit is installed. Advise you to discuss possible issues identified from drive with customer before proceeding to install this kit.

Tools Needed:

8mm Wrench
15mm Socket / Wrench
14mm Socket / Wrench
17mm Socket / Wrench
18mm Socket / Wrench
21mm Socket / Wrench
22mm Socket / Wrench
24mm Socket / Wrench
32mm Socket / Wrench
Coil Spring/Strut Compressor

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KIT CONTENTS:

2-Upper Control Arms
2-Front Strut Preload Spacers
2-Front Strut Spacers
1-Dr iver Rear Strut Spacer
1-Pass Rear Strut Spacer
2-10MMSTUDBAG-2

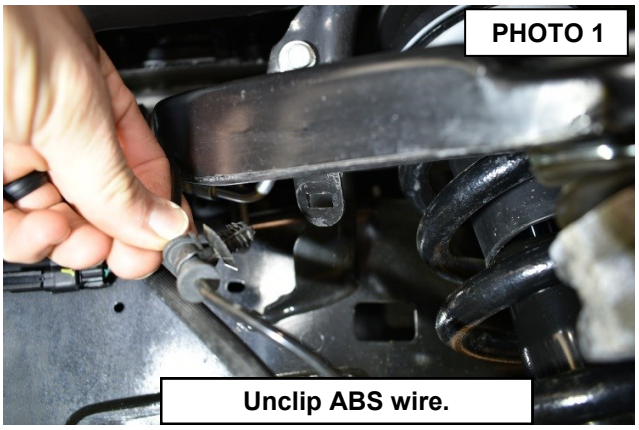


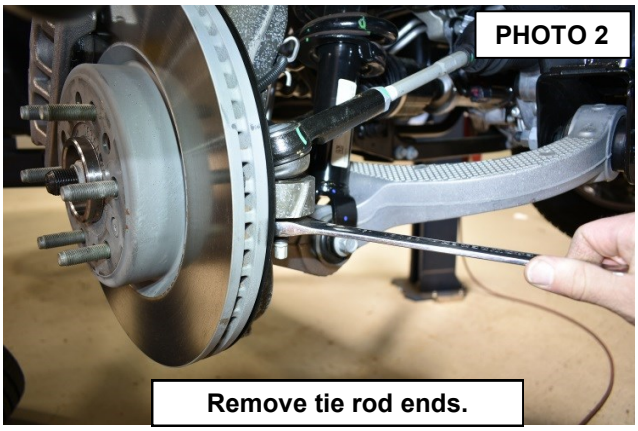
Torque Specs:

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

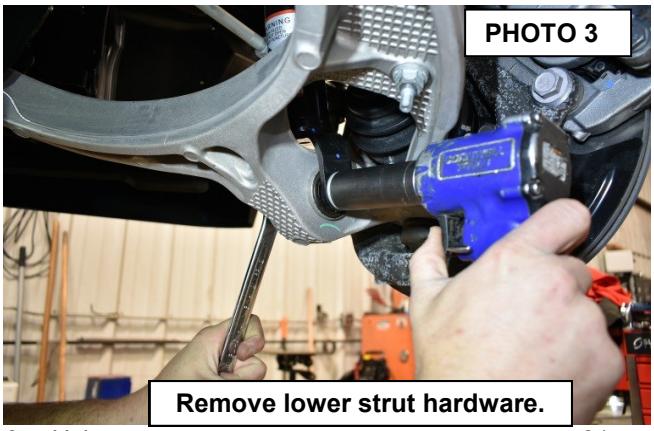
INSTALLATION INSTRUCTIONS

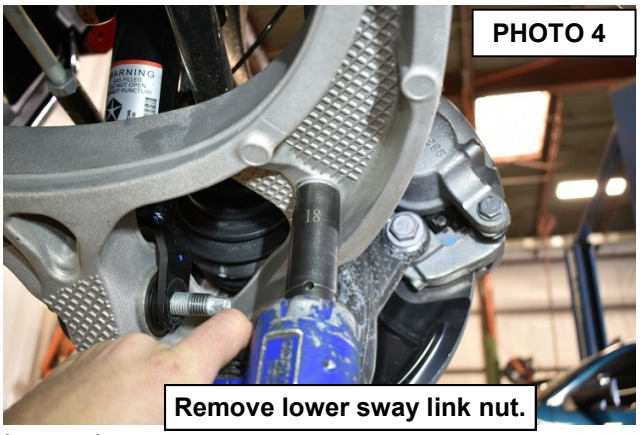
1. Jack up the front of the vehicle and support the vehicle with jack stands, so that the front wheels are off the ground.
2. Disconnect the electric rack and pinion.
3. Using 22mm socket remove the front tires/wheels.
4. Unclip the ABS wire from the upper control arm. **See Photo 1.**
5. Using a 21mm wrench, remove the tie rod end nut and tie rod end from the knuckle. **See Photo 2.**



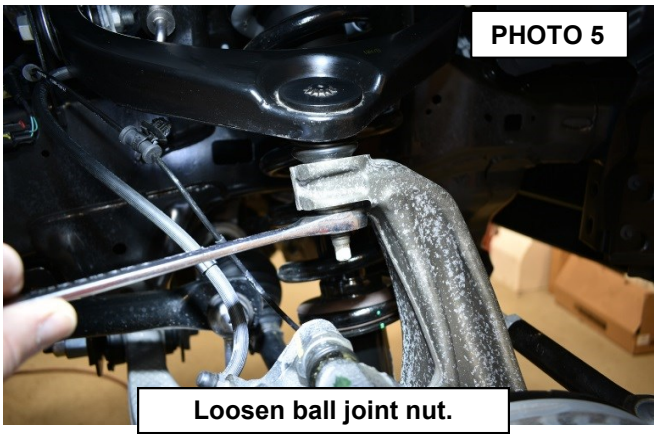


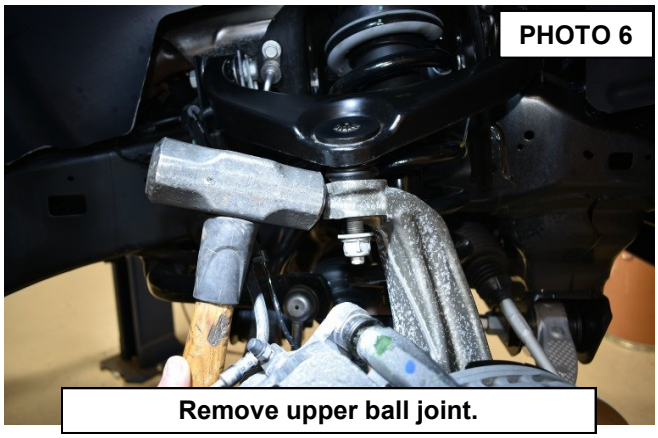
6. Using a 21mm wrench and 24mm socket, remove the lower strut mounting bolt. Retain hardware for reuse. **See Photo 3**
7. Using an 18mm socket, remove the lower sway link nut. Retain hardware for reuse. **See Photo 4**.





8. Using a 21mm wrench, loosen the upper ball joint nut. **Do not completely remove the nut. See Photo 5.**
9. Using a hammer, strike the knuckle at the upper ball joint to release the ball joint from the knuckle. Remove the nut and retain for reuse. **See Photo 6.**





10. Place jack stand under the knuckle for support. Using a 16mm socket, remove the strut nuts on the upper strut tower. Do not allow the knuckle to pull out far enough that it pulls the CV shaft out

11. Using an 18mm wrench, remove the upper control arm bolts and retain for reuse. Also, remove the upper control arm from the knuckle. **See Photos 7 & 8.**


PHOTO 7

Remove the upper control arm.

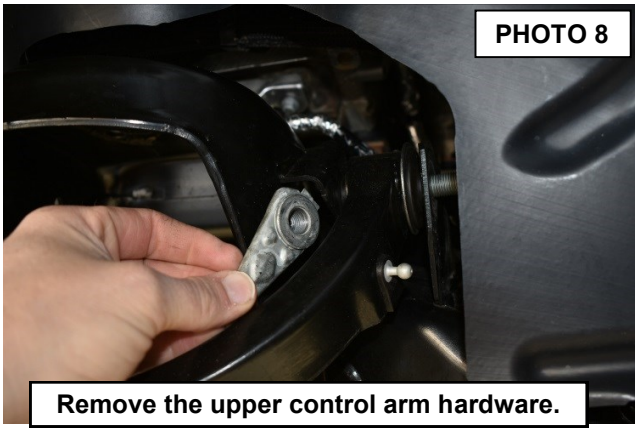


PHOTO 8

Remove the upper control arm hardware.

12. Install the new Rough Country upper control arms using the factory hardware on the frame mounts and the supplied hardware on the ball joint. Torque to factory specs. **See Photos 9 & 10. See page 5 for UCA identification.**

NOTICE **Ball joint must be greased before use.**
Check ball joint grease after the first 100 miles and then every 3000 miles.


PHOTO 9

Install the supplied upper control arm.

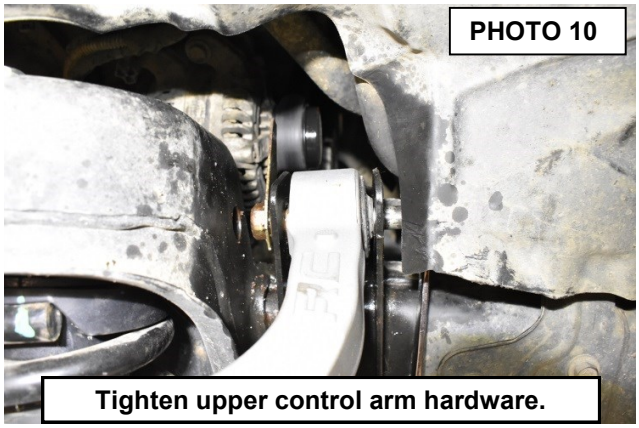
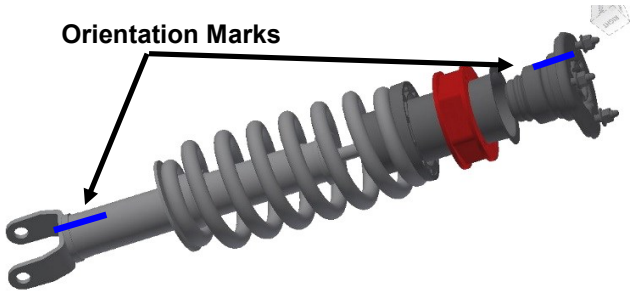


PHOTO 10

Tighten upper control arm hardware.

13. Mark the orientation of the strut hat on the strut by making a mark on the strut hat and the strut body.
14. Place a strut compressor on the coil spring and compress the coil, so the strut top nut **(DO NOT USE AN IMPACT)** can be removed. Next remove the strut top and add the preload spacer to the coil assembly. The spacer will fit between the factory coil isolator and the strut top.
15. With the coil spring still compressed assemble the strut, align the marks from step 13, and tighten the strut top nut **(DO NOT USE AN IMPACT)**. **See Photo 11.**
16. Using the 1/2" jam nut and one of the 10mm nuts, from 10mmstudbag-1, install the supplied studs into the upper strut spacers. **See Photo 12.**

PHOTO 11



Install the preload spacer.

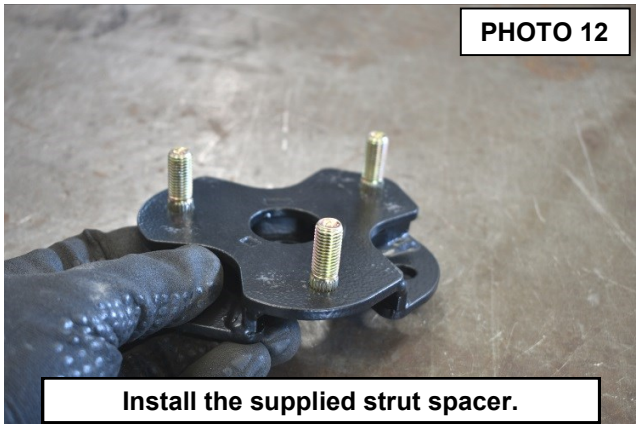
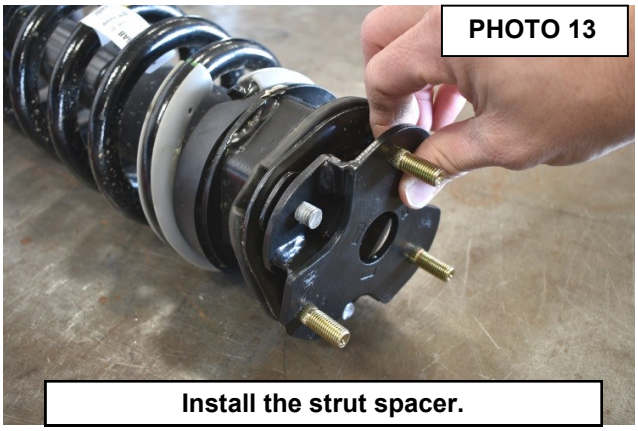


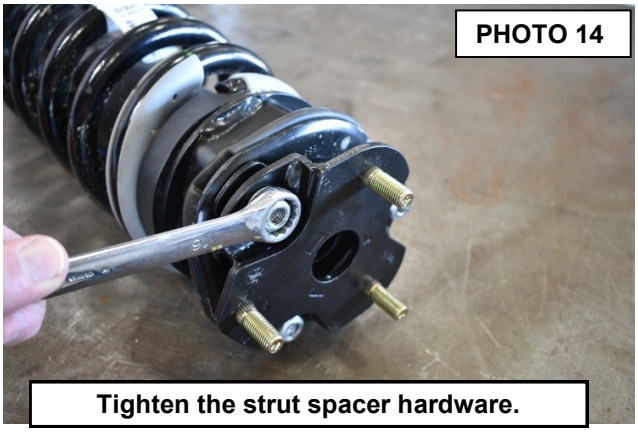
PHOTO 12

Install the supplied strut spacer.

17. Install the strut spacer on the strut, using the factory hardware. **See Photo 13.**
18. Tighten the strut hardware using a 16mm, torque to factory specs. **See Photo 14.**

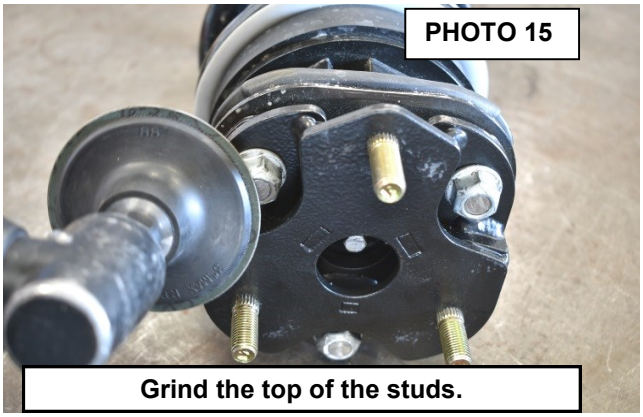


Install the strut spacer.

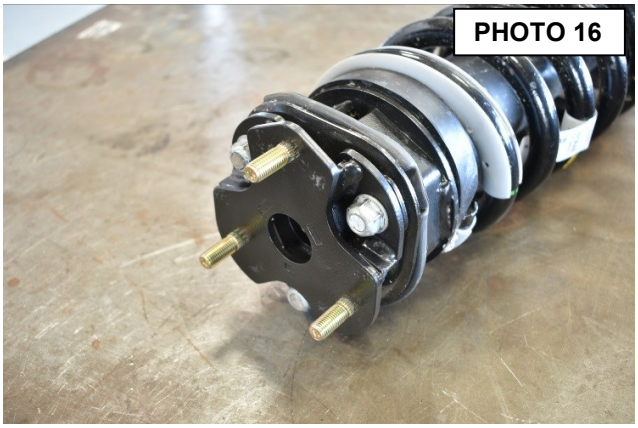


Tighten the strut spacer hardware.

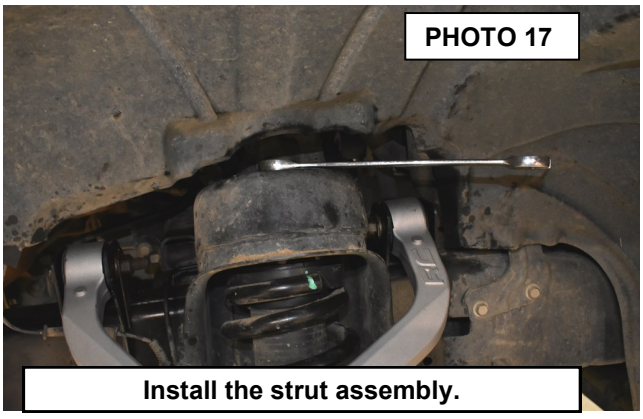
19. Using a grinder, grind the top of the (3) factory studs even with the top of the strut spacer. **See Photos 15 & 16.**



Grind the top of the studs.



20. Install the strut assembly into the upper frame mount using the supplied 10mm hardware from 10mmstudbag-1. Do not tighten at this time. **See Photo 17.**
21. Install the strut on the lower control arm using the factory hardware. **See Photo 18.**
22. Tighten the upper hardware using a 17mm wrench and the lower using a 24mm socket and 21mm wrench.

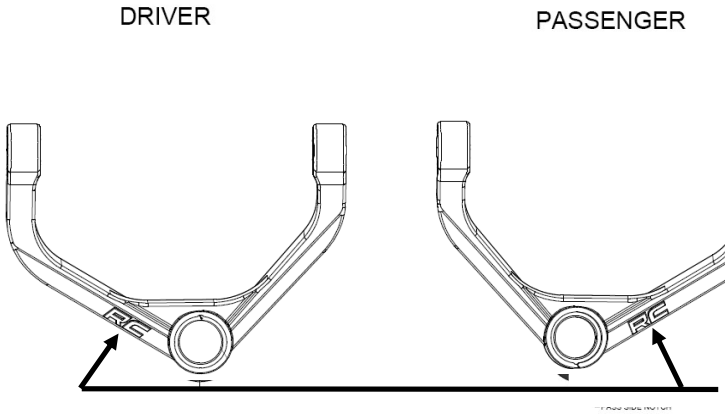


Install the strut assembly.



Install the lower strut hardware.

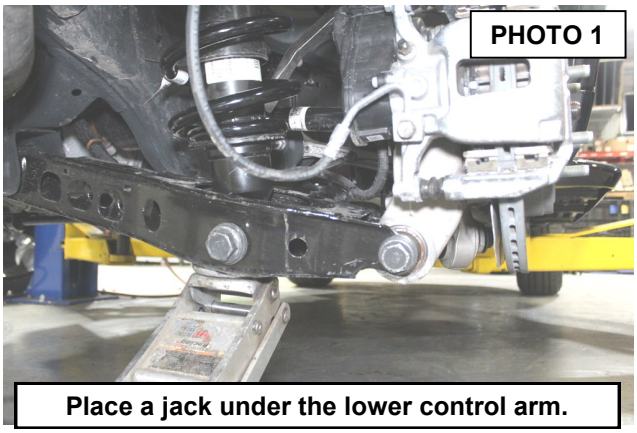
24. Using a floor jack, raise the lower control arm and connect the upper ball joint on the upper control arm to the knuckle. Torque to manufacturer specs.
25. Install the tie rod end nut and tighten using a 21mm socket.
26. Repeat this process on the opposite side of vehicle.
27. Using an 18mm socket reinstall the sway bar links. Torque to factory specs.
28. Install the wheels / tires.
29. Jack up the vehicle and remove the jack stands. Lower the vehicle to the floor and torque all bolts to factory specifications.

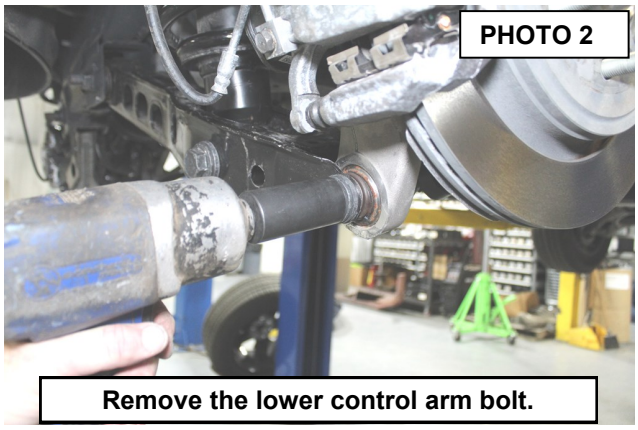


RC to the front of the vehicle.

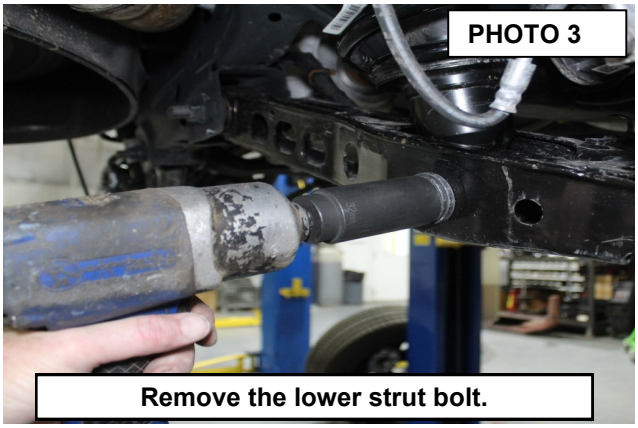
REAR INSTALLATION

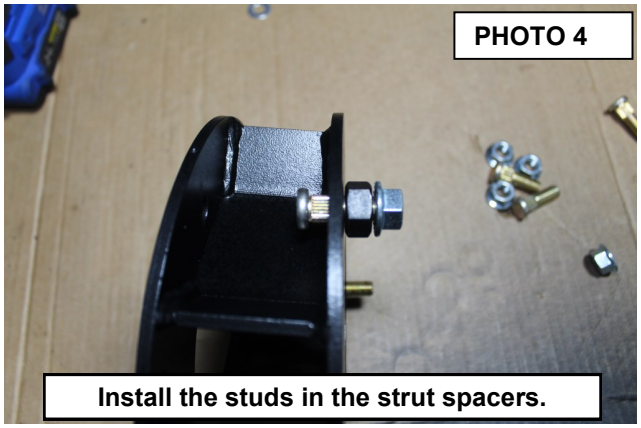
1. Jack up the rear of the vehicle and place jack stands underneath the frame rail.
2. Remove the tires and wheels.
3. Place a jack under the lower control arm for support. **See Photo 1.**
4. Using a clip removal tool, pull the ABS wire clips from the front of the rear lower control arm on both sides of the vehicle.
5. Using a 24mm socket, remove the lower control arm bolt from the knuckle. Retain for reuse. **See Photo 2.**





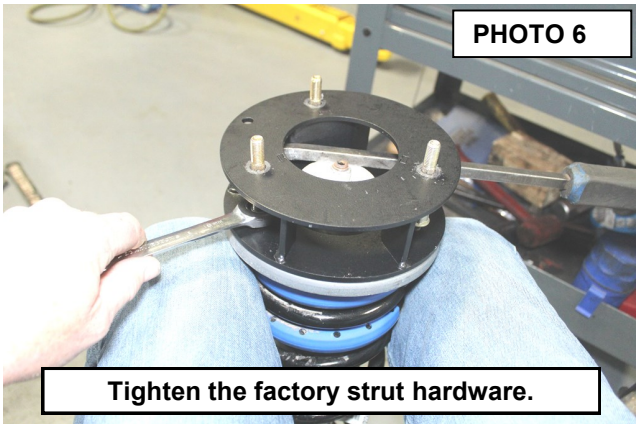
6. Using a 15mm wrench remove the nuts from the upper strut mount and retain for reuse.
7. Using a 32mm socket, remove the lower strut bolt. Retain for reuse. **See Photo 3.**
8. Slowly lower the jack and remove the strut from the vehicle.
9. Place the supplied studs in the supplied upper strut spacer. Use the supplied 1/2" nut as a spacer and a 17mm socket on the supplied flange nut to seat the stud. Repeat for each stud. **See Photo 4.**
10. **The strut spacers are driver and pass side specific and they are marked with a D and P cutout in the inner structure.**





11. Install the spacer onto the strut using the factory hardware. Tighten using a 15mm wrench. **See Photos 5 & 6.**





12. Install the strut assembly into the upper strut mount using the supplied 10mm flange nuts. Tighten using a 17mm wrench. **See Photo 7**.



13. Using a jack, jack the lower control arm up to the lower strut mount. Attach the strut to the control arm using the factory bolt and torque to factory spec using a 32mm socket.
14. Attach the lower control arm to the knuckle assembly using the factory bolt and torque to factory specs using a 24mm socket.
15. Lower the jack.
16. Reinstall the ABS wire and clips into the lower control arm.
17. Repeat process on the opposite side of the vehicle.
18. Reinstall the tires /wheels and remove the jack stands.
19. Lower the vehicle to the ground.

POST INSTALLATION

1. Check all fasteners for proper torque. Check to ensure there is adequate clearance between all rotating, mobile, fixed and heated members. Check steering for interference and proper working order. Test brake system.
2. Perform steering sweep. The distance between the tire sidewall and the brake hose must be checked closely. Cycle the steering from full turn to full turn to check for clearance.
3. Re torque all fasteners after 500 miles. Visually inspect components and re torque fasteners during routine vehicle service.
4. Readjust headlights to proper settings and take truck in for a front-end alignment to a qualified alignment professional.

Thank you for purchasing a Rough Country Suspension System.

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