

ROUGH COUNTRY

F150 2021-2026 Raptor Coil Spring Lift Kit

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

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.

If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product. Check all fasteners for proper torque. Check to ensure for adequate clearance between all components. Periodically check all hardware for tightness.

Kit Contents:

Front Coil Spring x2
Rear Coil Spring x2

Tools Needed:

10mm Wrench or Socket
14mm Wrench or Socket
15mm Wrench or Socket
17mm Wrench or Socket
18mm Wrench or Socket
21mm Wrench or Socket
1-1/6" Wrench or Socket



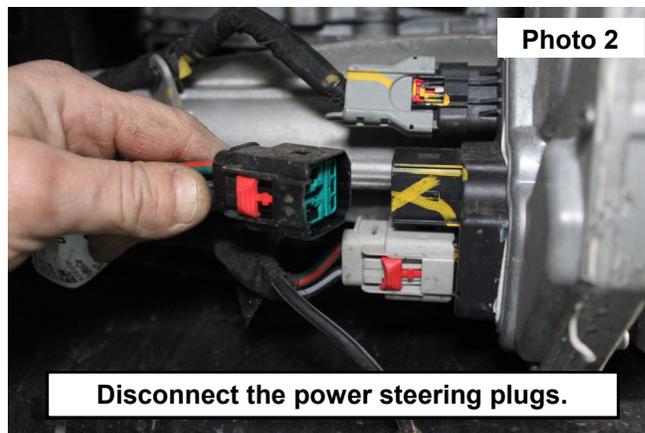
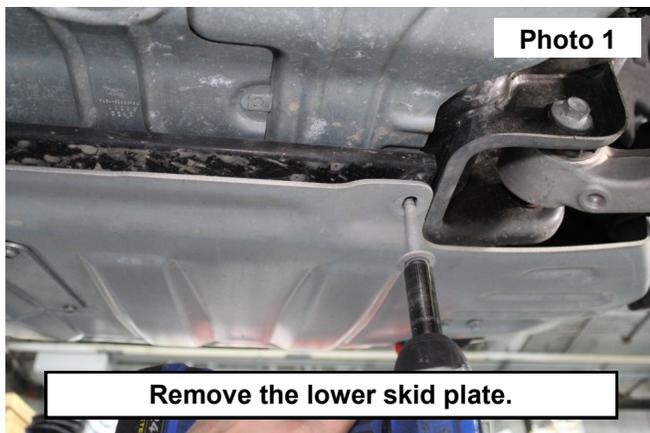
Torque Specs:

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

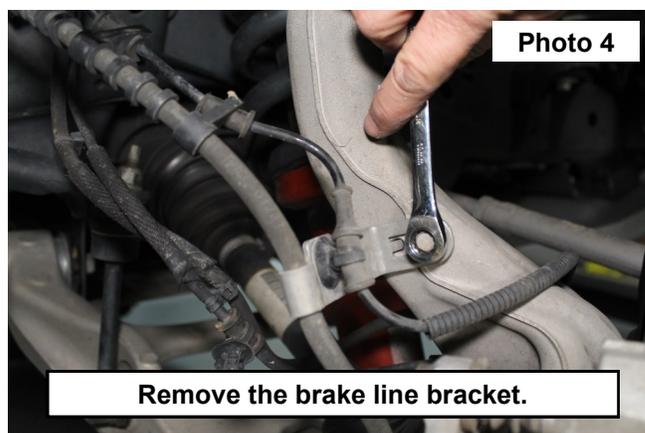
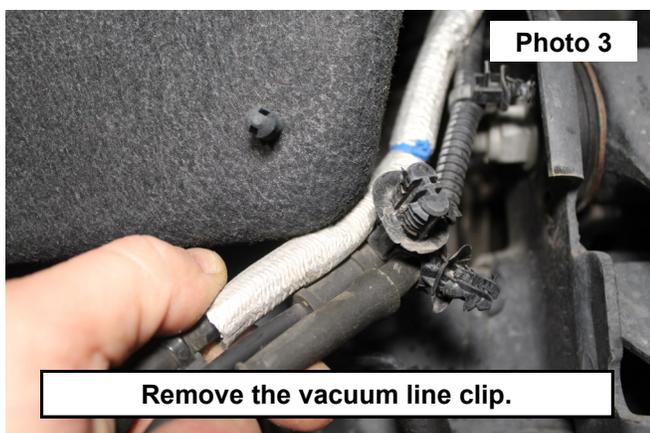


INSTALLATION INSTRUCTIONS

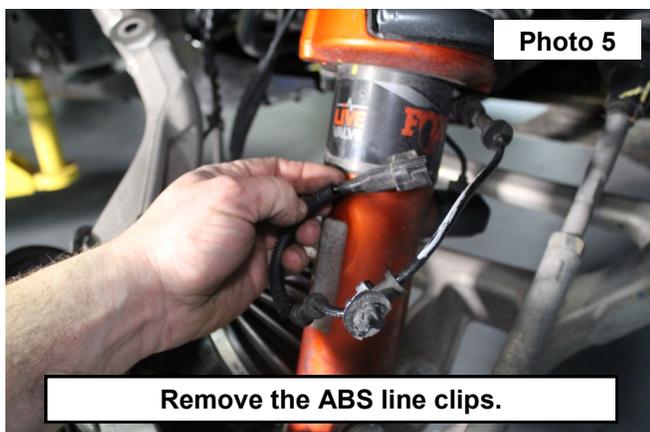
1. Remove the skid plate from the frame using a 15mm, 14mm, and 10mm socket. **See Photo 1.**
2. Disconnect the power steering plugs by releasing the locking clips and pressing the release tab. **See Photo 2.**



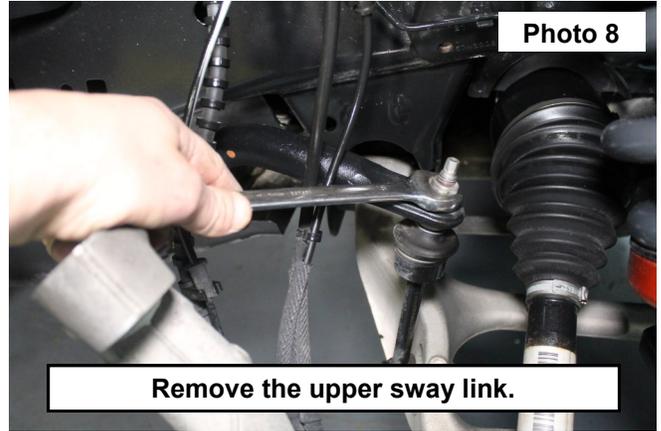
3. Remove the vacuum line clip from the frame mount. **See Photo 3.**
4. Remove the brake line bracket from the knuckle using a 10mm wrench. **See Photo 4.**



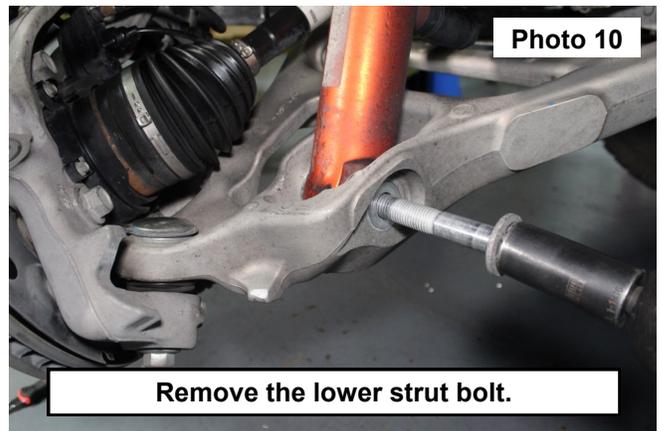
5. Remove the ABS line clips from the lower strut. **See Photo 5.**
6. Disconnect the live wire strut plug. **See Photo 6.**



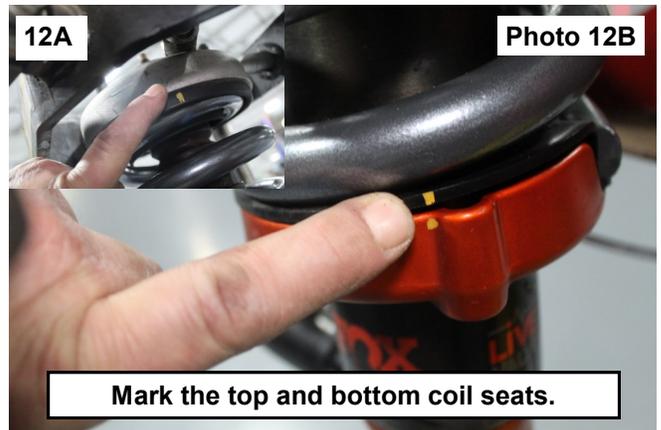
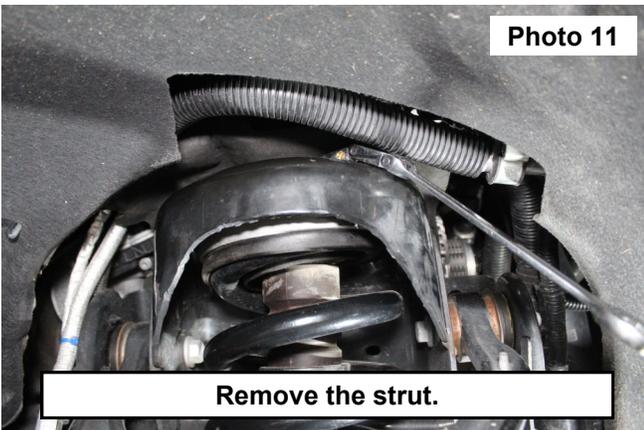
7. Loosen the tie rod nut using a 21mm socket. Unseat the ball joint taper by striking the boss on the knuckle with a hammer, then remove the nut and ball joint from the knuckle. **See Photo 7.**
8. Remove the upper sway link nut using an 18mm wrench. **See Photo 8.**



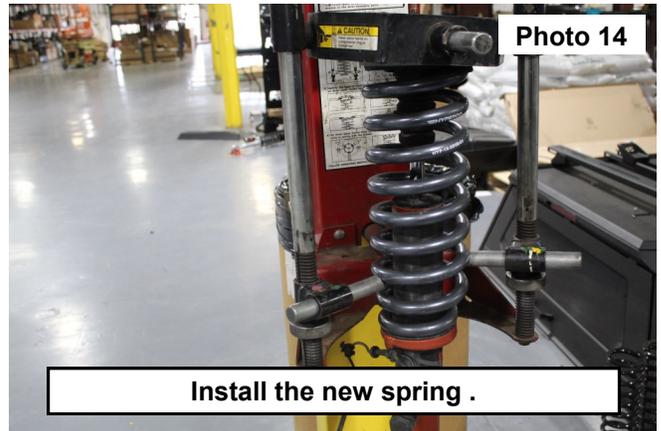
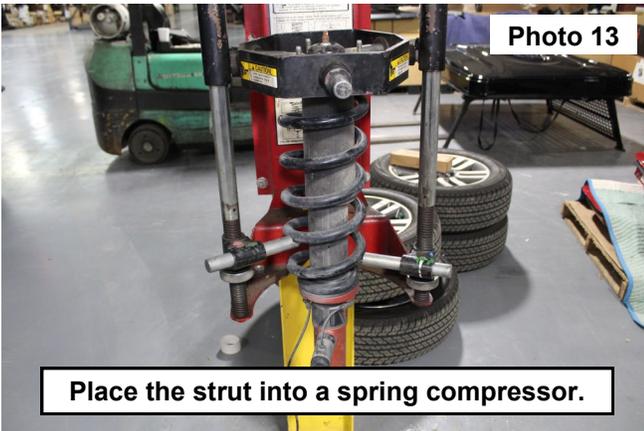
9. Loosen the upper ball joint nut using a 18mm socket. Unseat the ball joint taper using a hammer by striking the boss on the knuckle, then remove the nut and ball joint from the knuckle. **See Photo 9.**
10. Remove the lower strut bolt and nut using a 1-1/6" wrench and socket. **See Photo 10.**



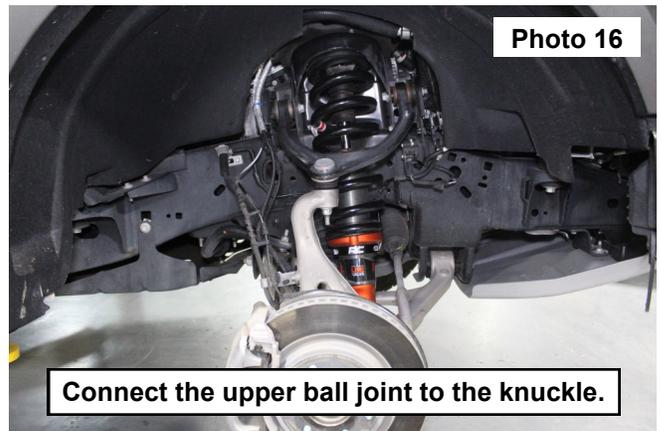
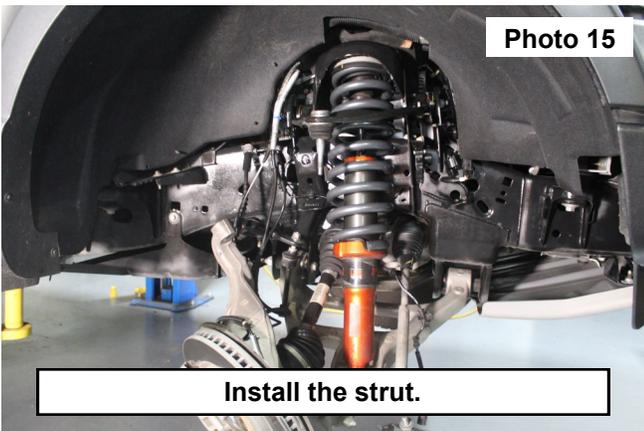
11. Remove the upper strut nuts using a 18mm socket. Then remove the strut. **See Photo 11.**
12. Mark the top and bottom coil seats in a straight line for reassembly. **See Photos 12 A and 12 B.**



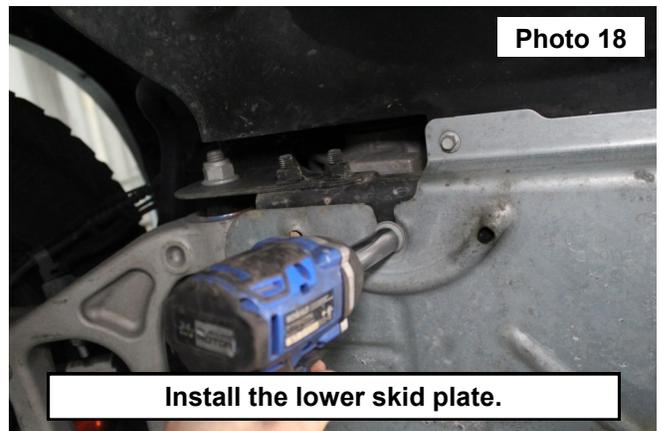
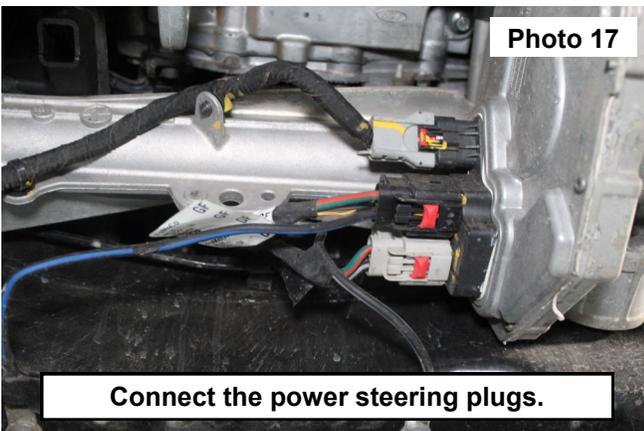
13. Place the strut into a spring compressor, compress the coil spring. Remove the top strut nut using an 18mm socket. Remove the strut and the spring from the compressor. **See Photo 13.**
14. Load the new RC spring in the compressor, secure the strut using the OE coil seats aligning the marks placed onto the upper and lower coil seats in photos 12a and 12b. **See Photo 14.**



15. Install the strut into the upper mount using the OE nuts. Place the lower strut into the lower control arm and secure using the OE bolt and nut. Tighten the lower using a 1-1/6" socket and wrench and the upper mount using a 18mm wrench. **See Photo 15.**
16. Secure the knuckle to the upper ball joint using an 18mm socket and tie rod end using a 21mm socket. Secure all brake and ABS lines. **See Photo 16.**

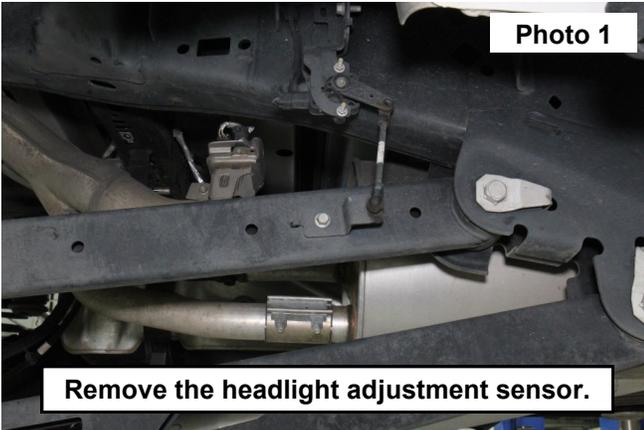


17. Install the sway link to the sway bar using the OE hardware.
18. Connect the power steering plugs. **See Photo 17.**
19. Install the lower skid plate using the retained hardware. **See Photo 18.**

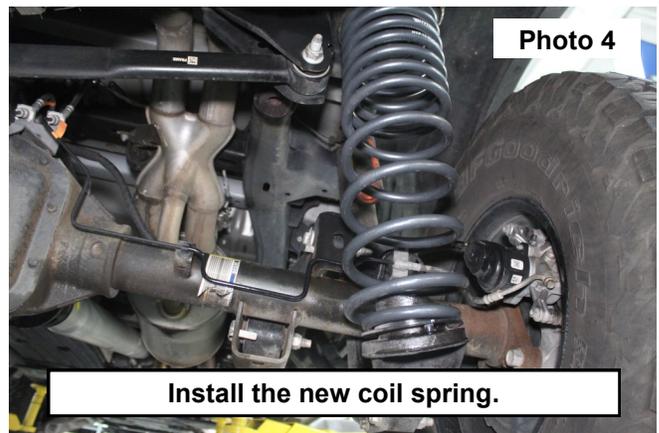


REAR INSTALLATION INSTRUCTIONS

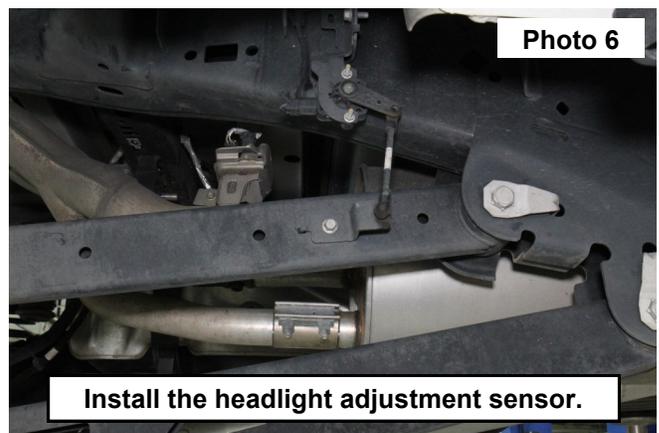
1. Remove the headlight adjustment sensor arm from the rear trailing arm using a 10mm socket. **See Photo 1.**
2. Remove the lower shock bolt using a 15 and a 18mm wrench and socket. **See Photo 2.**
3. Repeat the removal of the sensor arm and the lower shock bolt on the opposite side of the vehicle.



4. Lower the rear end down and remove the coil springs. **See Photo 3.**
5. Install the upper isolator onto the top of the coil spring. Place the coil onto the lower axle mount. Lift the rear end up to seat the coil spring into the upper mount. **See Photo 4.**
6. Install the opposite side coil spring at this time.



7. Secure the lower shock into the mount using the retained OE hardware. Tighten using a 15 and a 18mm wrench and socket. **See Photo 5.**
8. Install the headlight adjustment sensor arm onto the rear trailing arm using the retained hardware. Tighten using a 10mm socket. **See Photo 6.**



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.

