

ROUGH COUNTRY

921684000

Jeep 21-Up Grand Cherokee L w/o Air Suspension 2" Lift

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 questions 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 adequate clearance between all components. Periodically check all hardware for tightness.

Kit Contents:

2-Front Strut Spacer
2-Preload Spacer
2-Rear Shock Spacer
2-Rear Coil Spacer

Tools Needed:

8mm Wrench or Socket
10mm Wrench or Socket
12mm Wrench or Socket
16mm Wrench or Socket
18mm Wrench or Socket
21mm Wrench or Socket
Dead Blow Hammer
Jack
Jack Stands
Paint marker
Pry tool
Cutting tool

Hardware Included:

6-8mm-1.25 Flange Nut



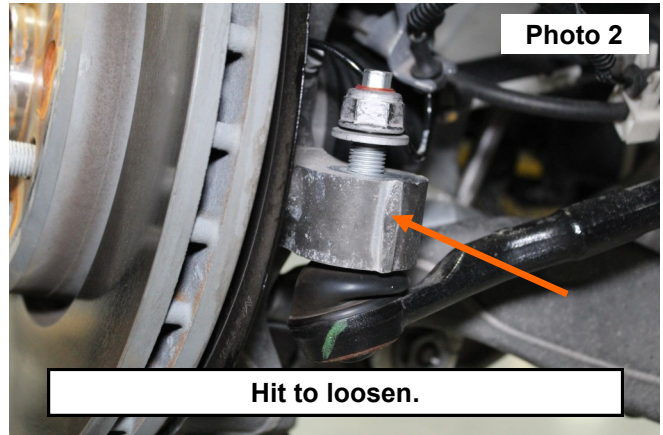
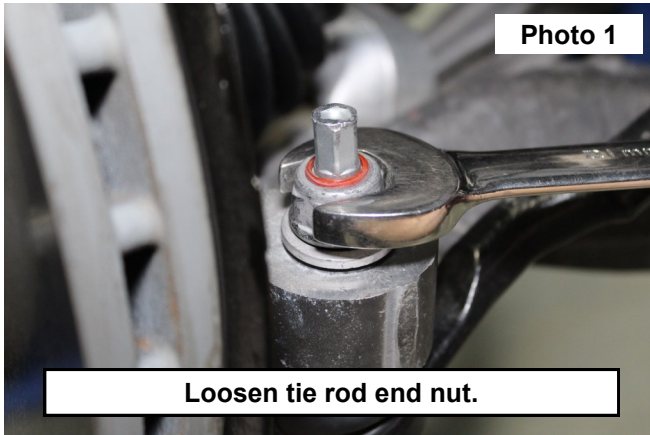
Torque Specs:

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

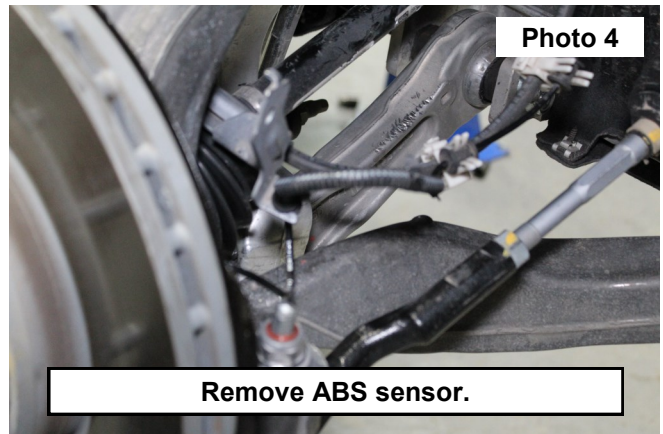
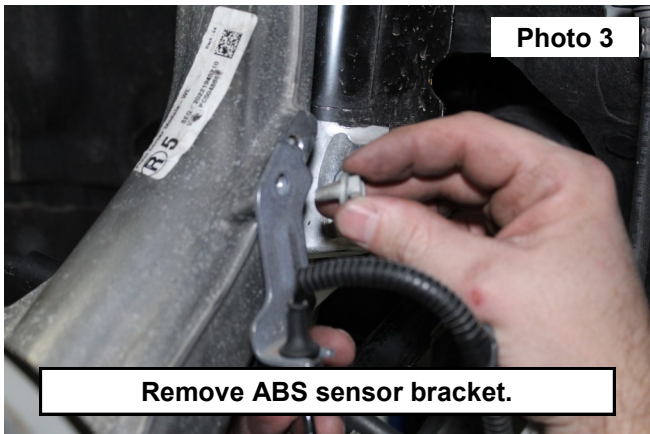


INSTALLATION INSTRUCTIONS

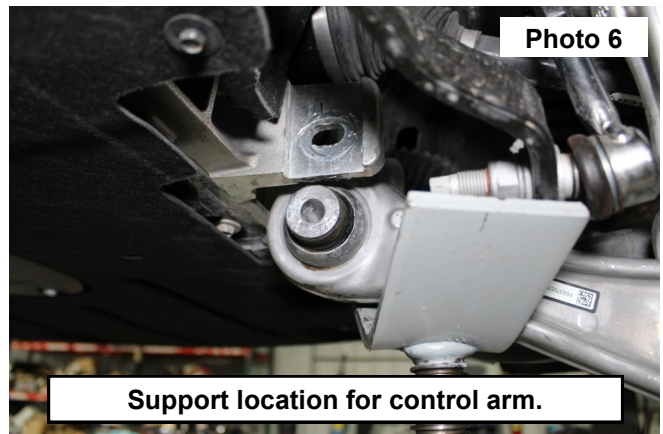
1. Jack up the front of the vehicle and support the vehicle with jack stands, so that the front wheels are off the ground. Chock rear wheels.
2. Remove the front tires/wheels, using a 22mm deep well socket.
3. Using a 21mm wrench, loosen the tie rod end nut. Do not completely remove. **See Photo 1.**
4. Use a hammer, tap the knuckle at the tie rod end to release the taper. Remove and retain hardware for reuse. **See Photo 2.**



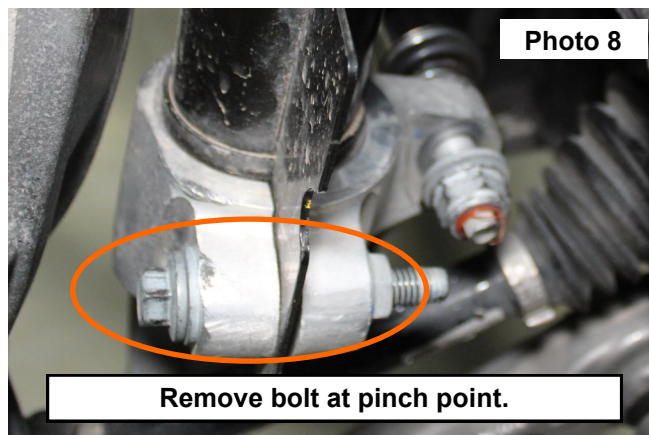
5. Remove ABS Sensor bracket from knuckle with a 10mm wrench. Retain hardware for reuse. **See Photo 3.**
6. Using a 10mm wrench, remove the ABS sensor from the knuckle. Retain hardware for reuse. **See Photo 4.**



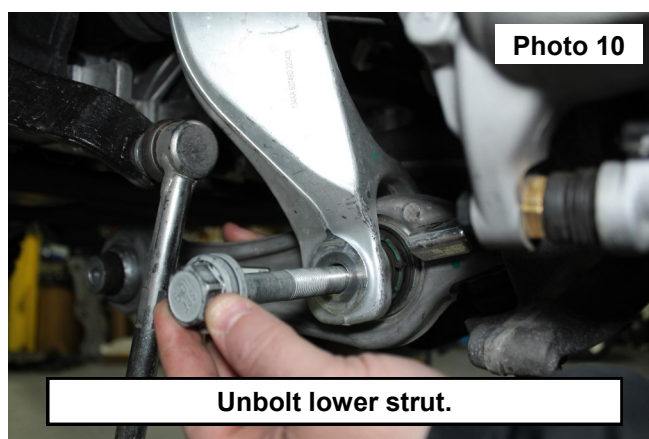
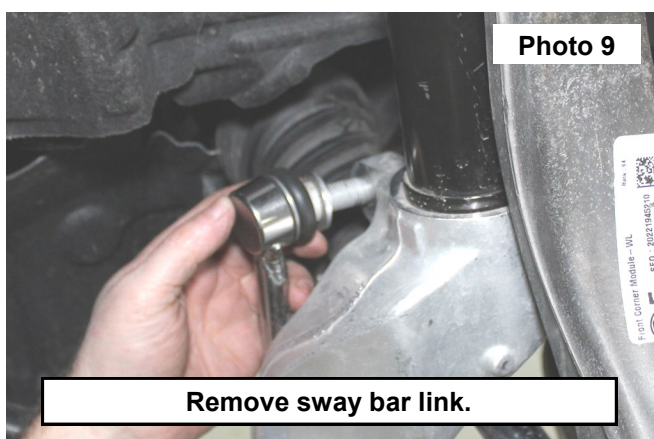
7. Using 21mm wrench, loosen lower control arm cam bolts and washers. Do not completely remove. Retain hardware for reuse. **See Photo 5.**
8. Use a jack or strap to support the lower control arm. **See Photo 6.**



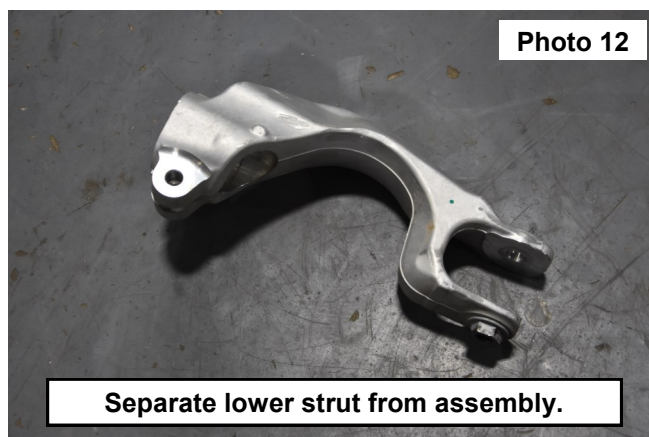
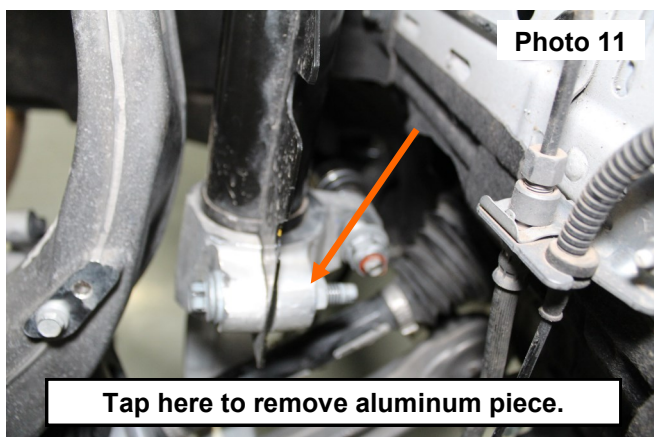
9. Using a 21mm wrench, remove nut on the sway bar end link. Retain hardware for reuse. **See Photo 7.**
10. Using a 15mm wrench, remove strut bolt located on the pinch point. **See Photo 8.**



11. Remove sway bar link. **See Photo 9.**
12. Using a 24mm wrench, unbolt the lower strut. Retain hardware for reuse. **See Photo 10.**

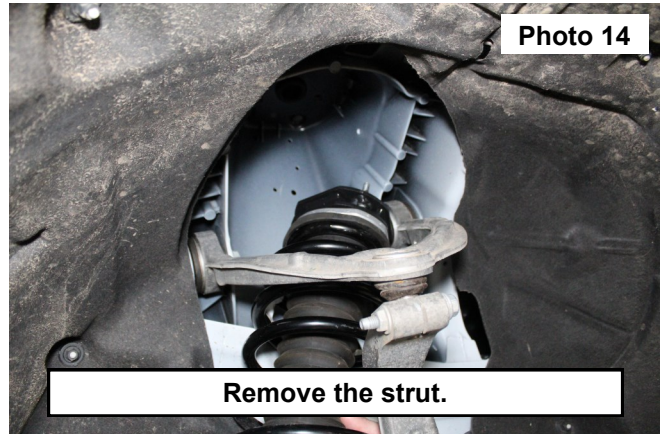


13. Tap lower aluminum strut member with hammer to remove. **See Photo 11.**
14. Once removed, set lower aluminum strut aside. **See Photo 12.**

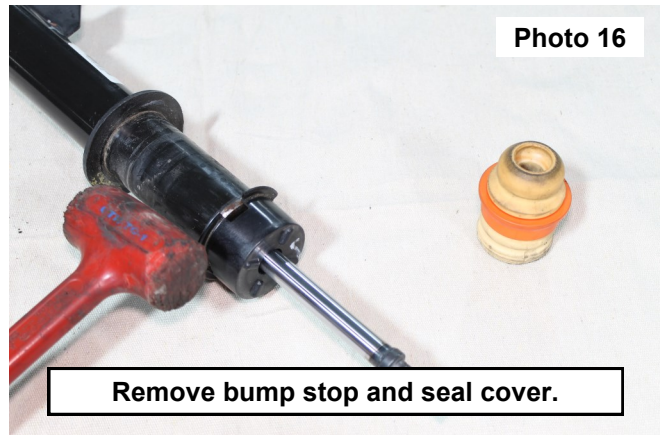
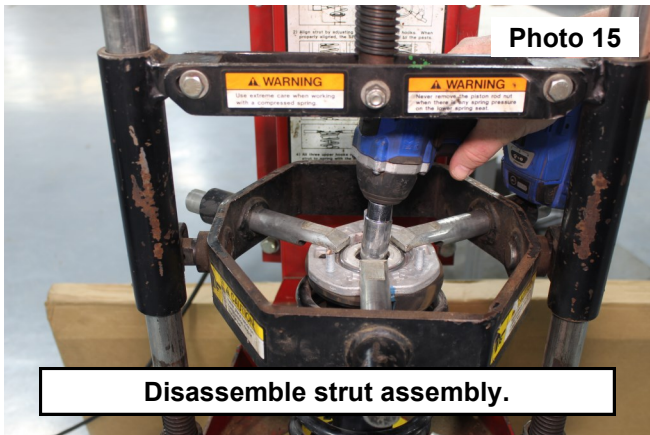


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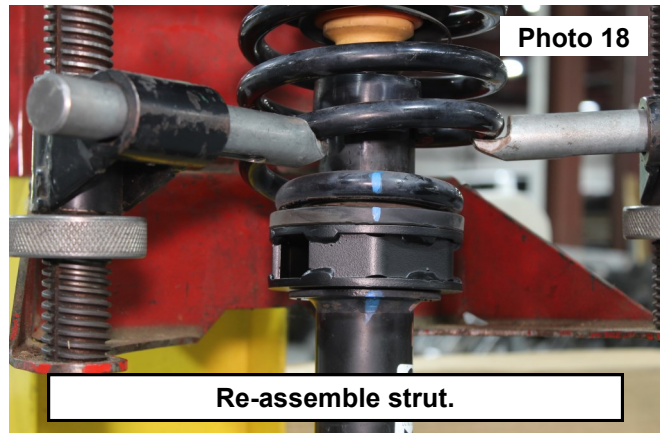
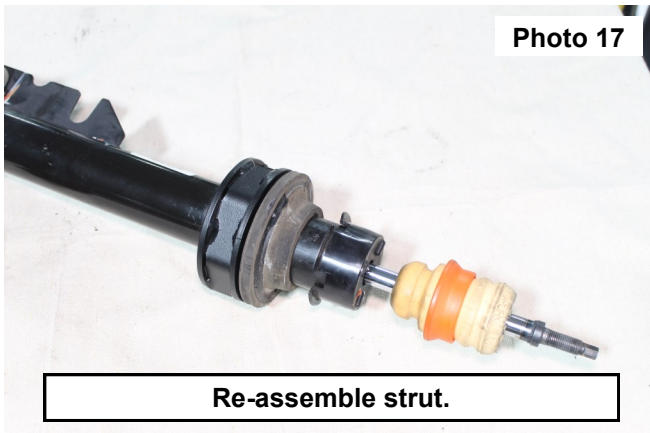
15. Pop open hood and locate top of strut.
16. Using a 13mm wrench, remove the three nuts holding the strut in the engine bay. **See Photo 13.**
17. Remove strut through the upper control arm. **See Photo 14.**



18. Mark spring, strut, and spacer to ensure proper clocking. **See Photo 15.**
19. Remove bump stop and tap off seal cover with a dead blow. **See Photo 16.**

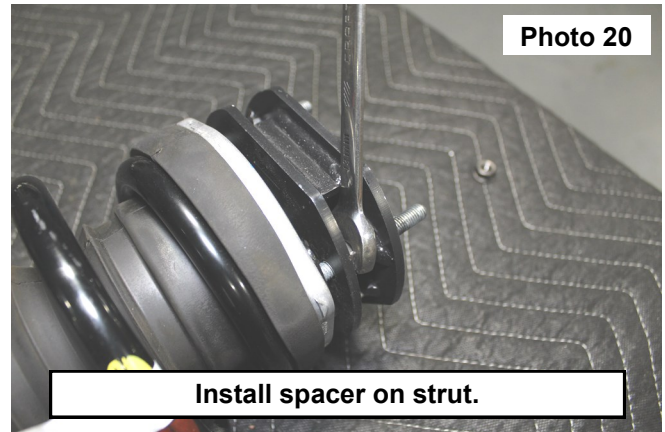
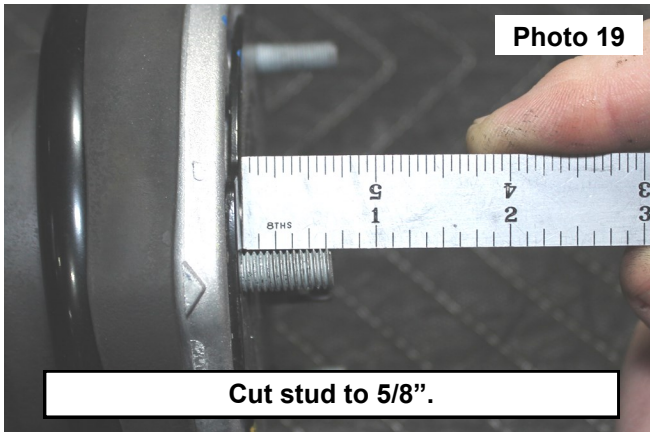


20. Attach pre-load spacer to re-assemble strut. **See Photo 17.**
21. Ensure marks are aligned and re-assemble strut. **See Photo 18.**

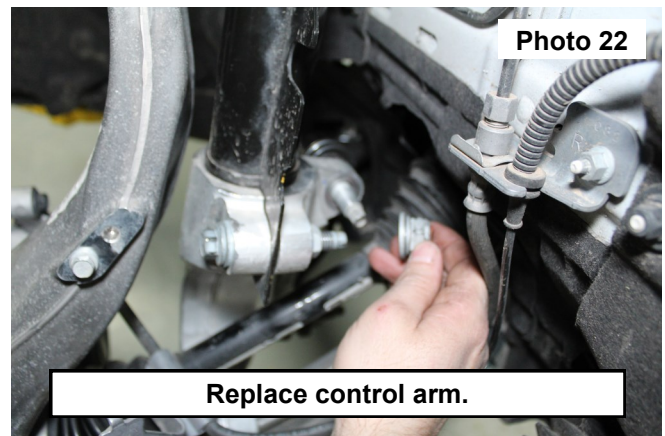
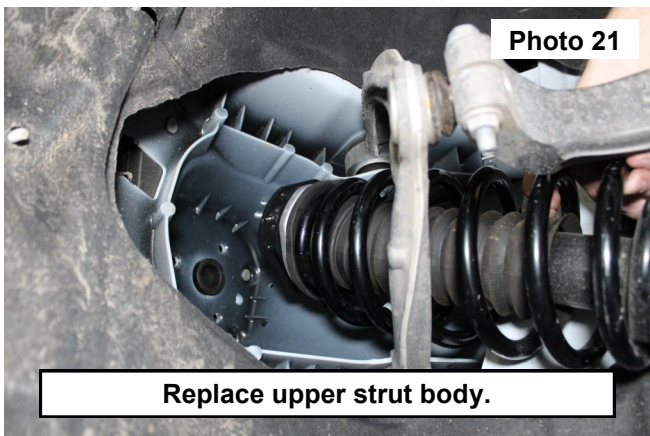


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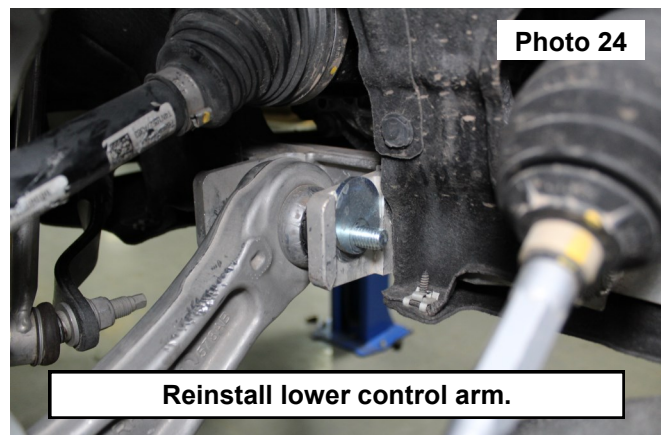
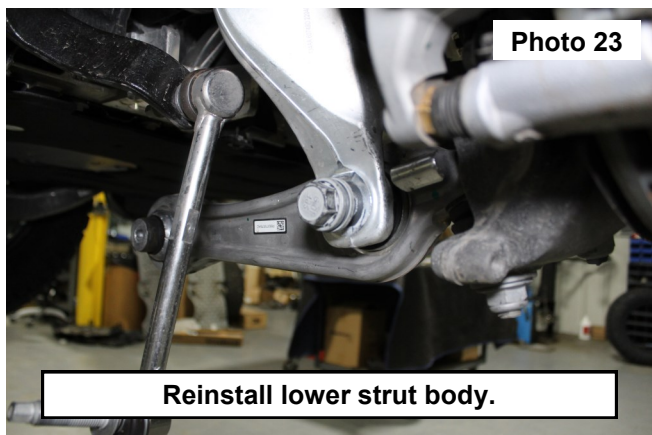
22. Measure the end of strut studs and cut to approximately 5/8" long using a cutting tool. **See Photo 19.**
23. Install supplied spacer on the end of the strut. Using a 13mm wrench, tighten supplied flange nuts (qty 3) to the factory studs. **See Photo 20.**
24. Using the factory nuts, install strut back into vehicle with a 13mm wrench. **See Photo 21.**



25. Reinstall control arm at pinch point with a 15mm wrench. **See Photo 22.**
26. Reinstall lower strut using factory bolt using a 24mm wrench. **See Photo 23.**

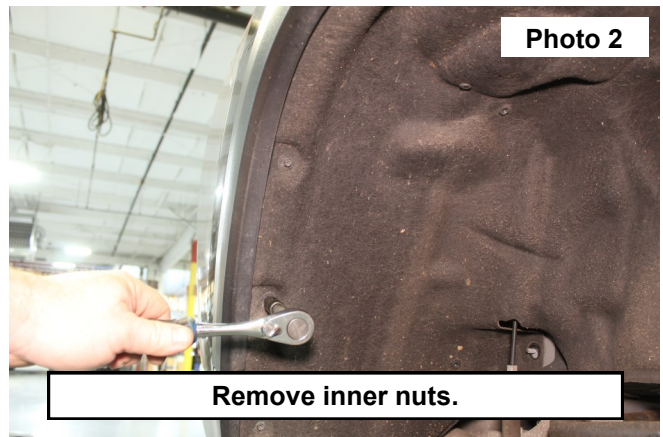
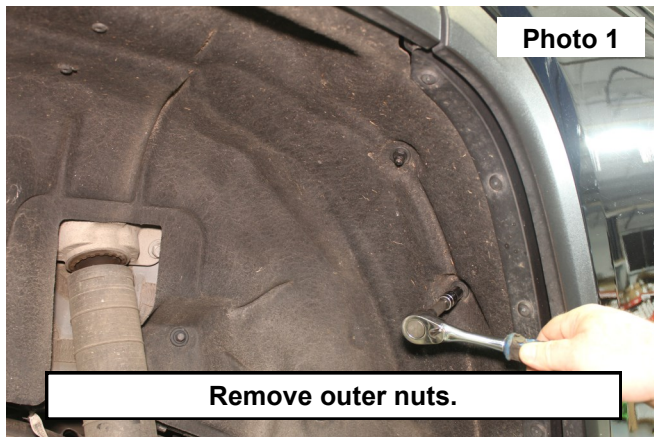


27. Reinstall lower control arm with factory cam bolt and washers to vehicle frame using a 21mm wrench. **See Photo 24.**
28. Reinstall vehicle tires/wheels and lower.

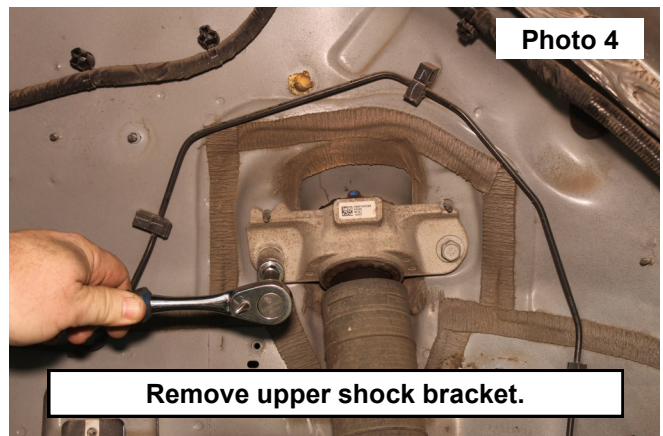
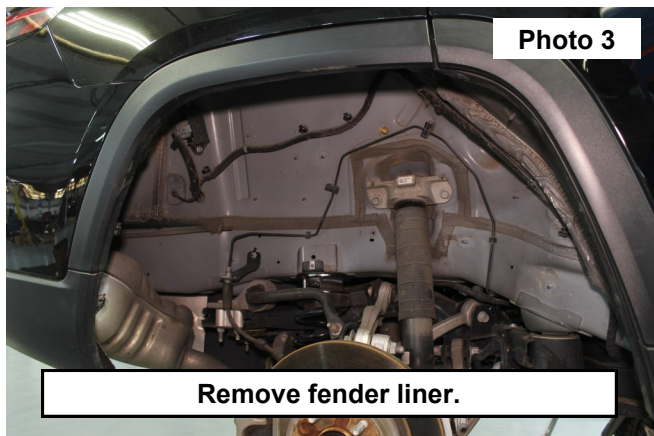


REAR INSTALLATION INSTRUCTIONS

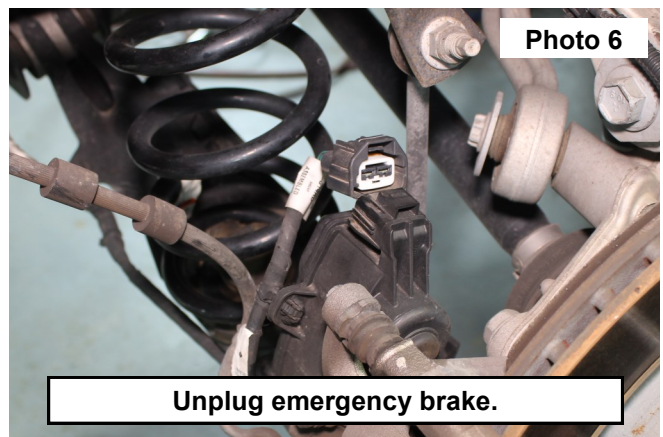
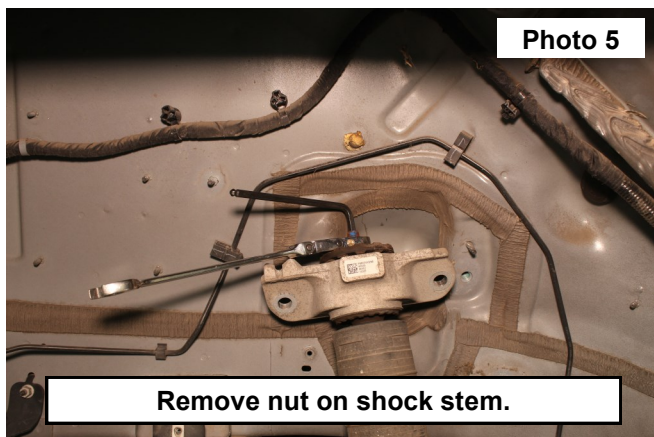
1. Using a 10mm socket remove nuts from fender liner. **See Photo 1.**
2. Remove inner nuts from fender liner using 8mm socket. **See Photo 2.**



3. Remove fender liner. **See Photo 3.**
4. Remove upper shock bracket using a 16mm socket. Retain hardware. **See Photo 4.**

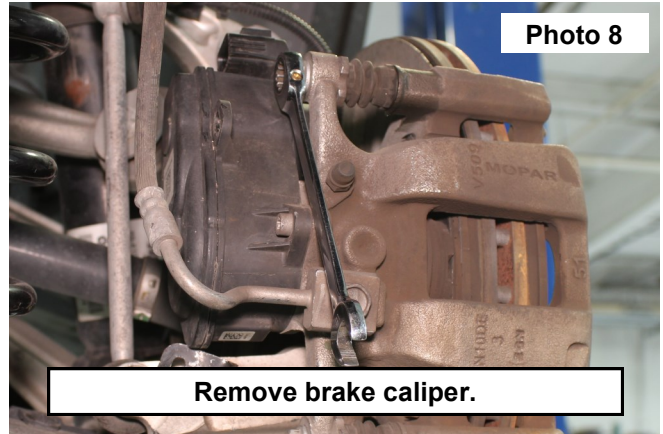
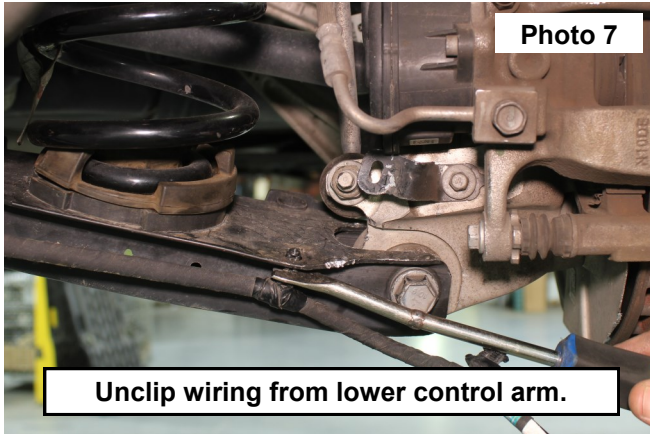


5. Remove nut on shock stem with 18mm wrench. **See Photo 5.**
6. Unplug emergency brake. **See Photo 6.**

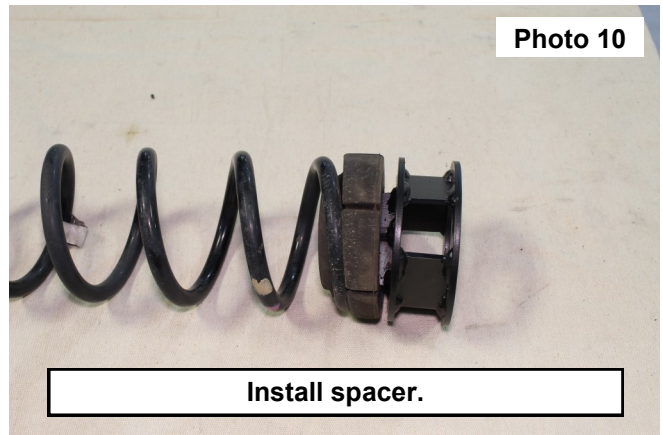
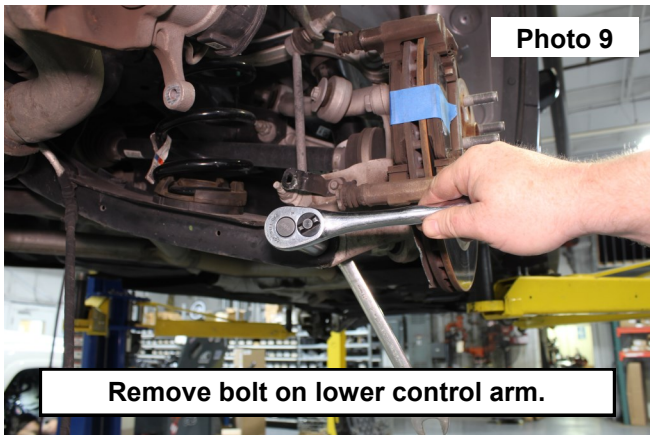


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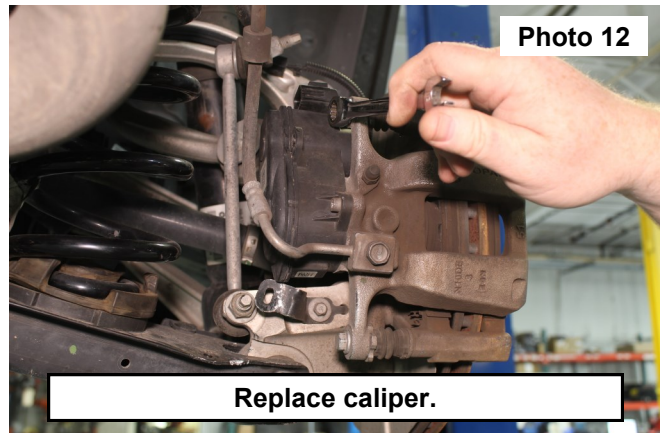
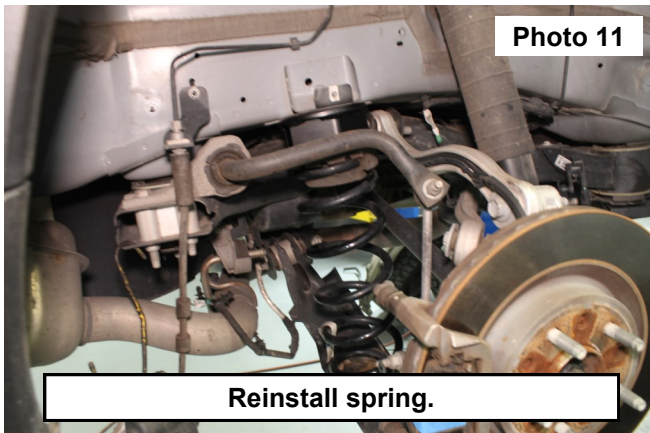
7. Using a pry tool, unclip wiring from caliper and lower control arm. **See Photo 7.**
8. Remove brake caliper with a 12mm wrench. Retain hardware for later use. Move caliper out of the way, and use tape to hold pads in place. **See Photo 8.**



9. Remove bolt on lower control arm using a 21mm wrench and support with a jack. **See Photo 9.**
10. Install spacer on top of coil. **See Photo 10.**



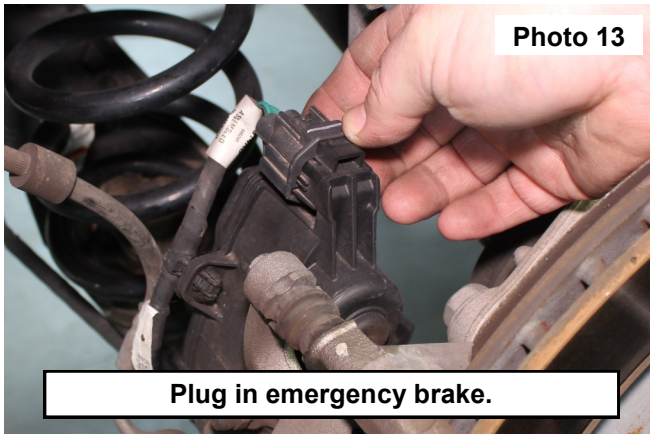
11. Reinstall spring. Use jack to compress spring until control arm bolt can be reinstalled. **See Photo 11.**
12. Replace brake caliper with retained hardware and 12mm wrench. **See Photo 12.**



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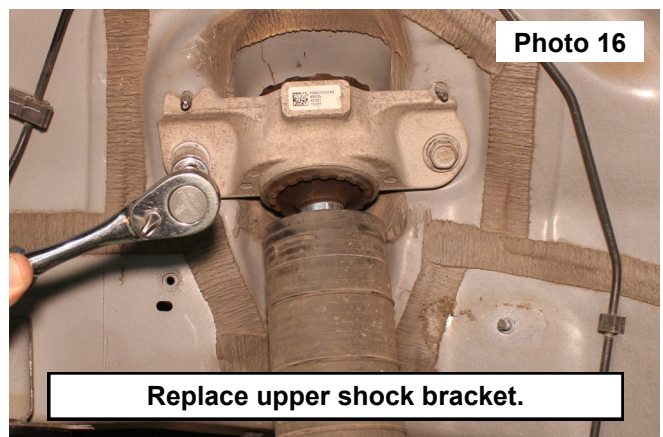
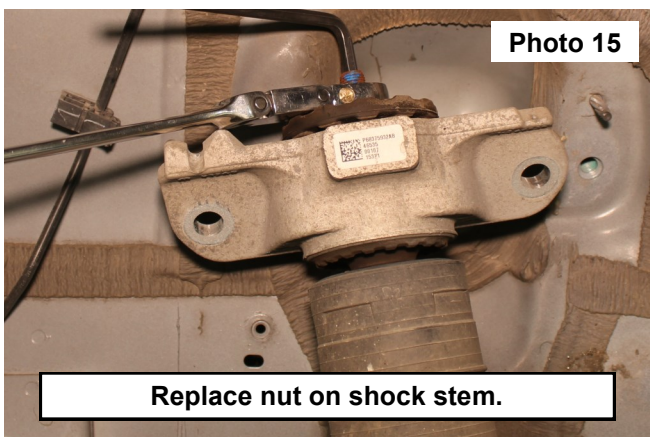
13. Replace wiring to emergency brake and plug back in. **See Photo 13.**

14. Place spacer on shock stem. **See Photo 14.**

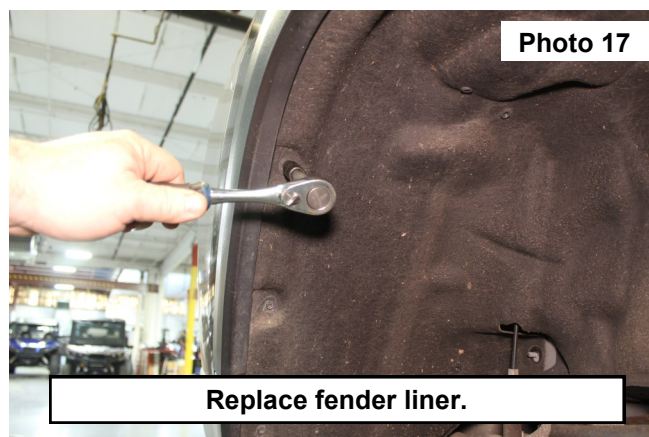


15. Replace nut on shock stem using 18mm wrench **See Photo 15.**

16. Replace upper shock bracket using 16mm wrench. **See Photo 16.**



17. Replace fender liner using 8mm on inner nuts, and 10mm on outer nuts. **See Photo 17.**



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