

# 2022+ SILVERADO ZR2 LEVELING SPACER

**KIT CONTENTS:**  
Strut Preload Spacers x 2  
Upper Strut Spacers x2

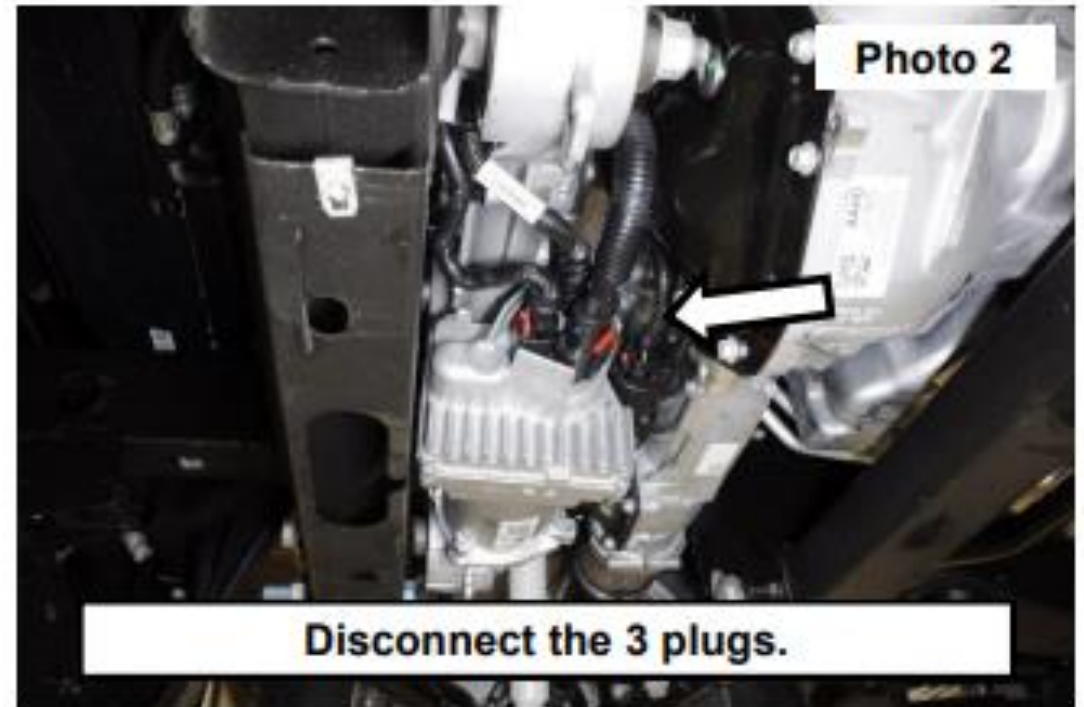
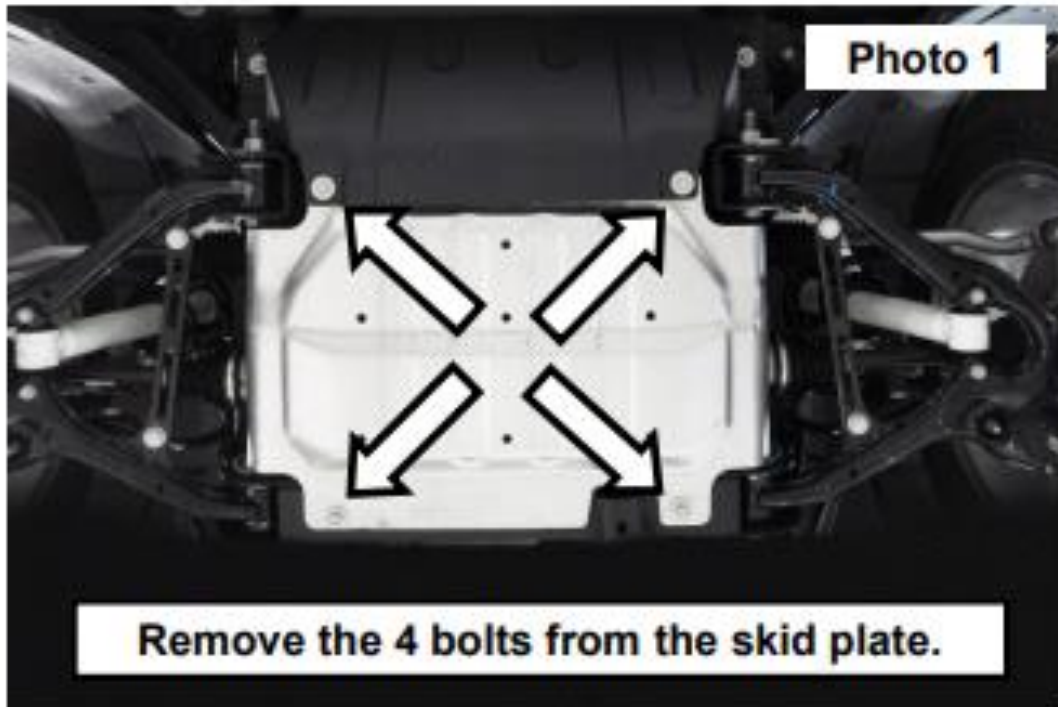


## Torque Specs:

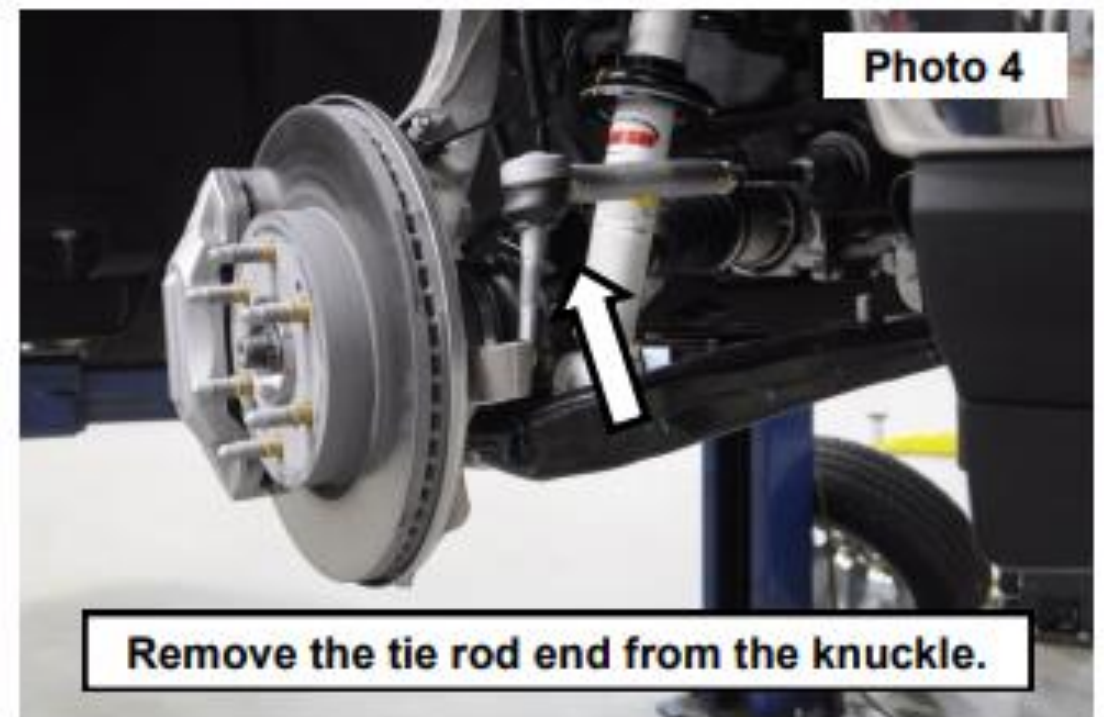
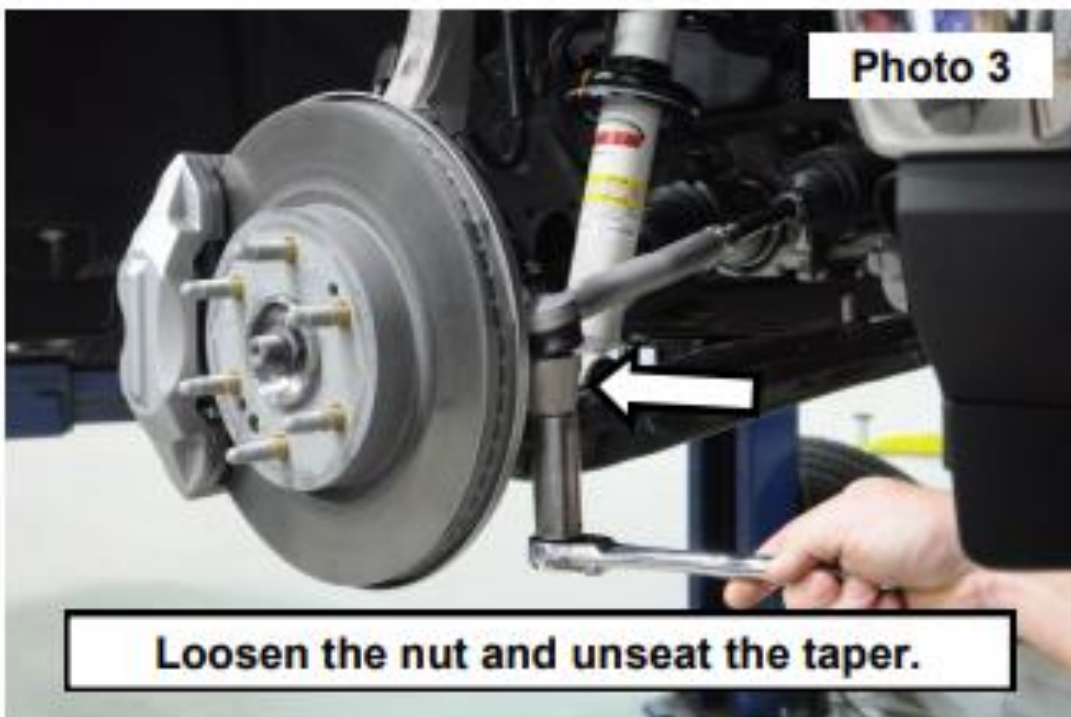
Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16"	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8"	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16"	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2"	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16"	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8"	135ft/lbs	175ft/lbs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

## INSTALLATION INSTRUCTONS

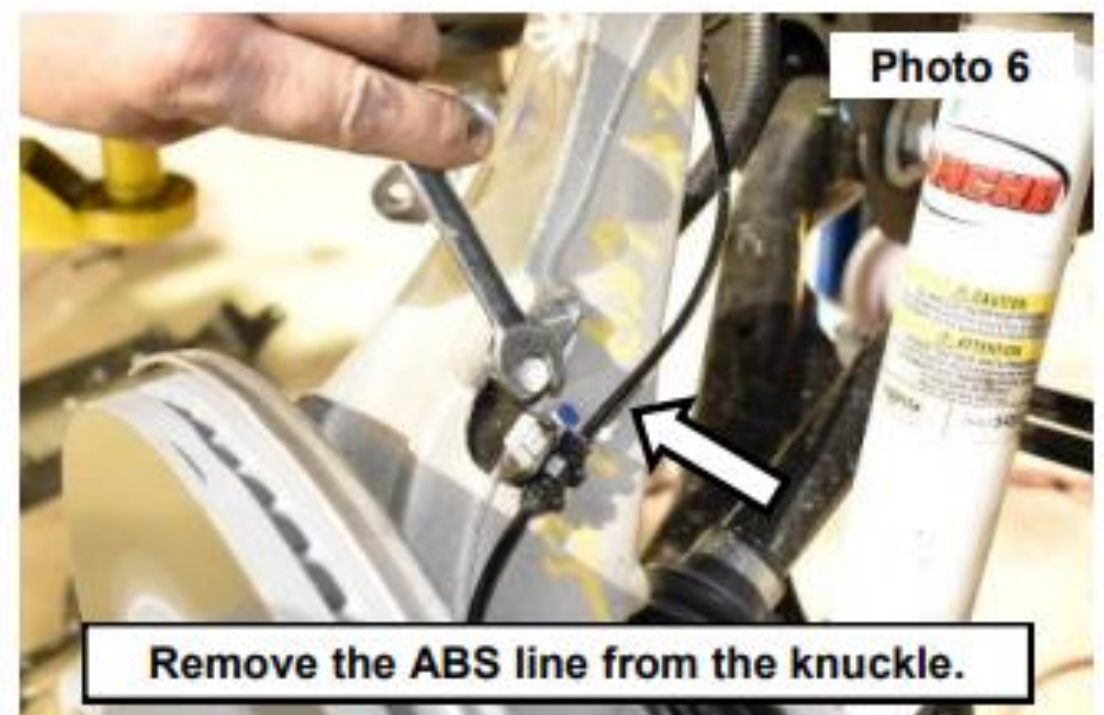
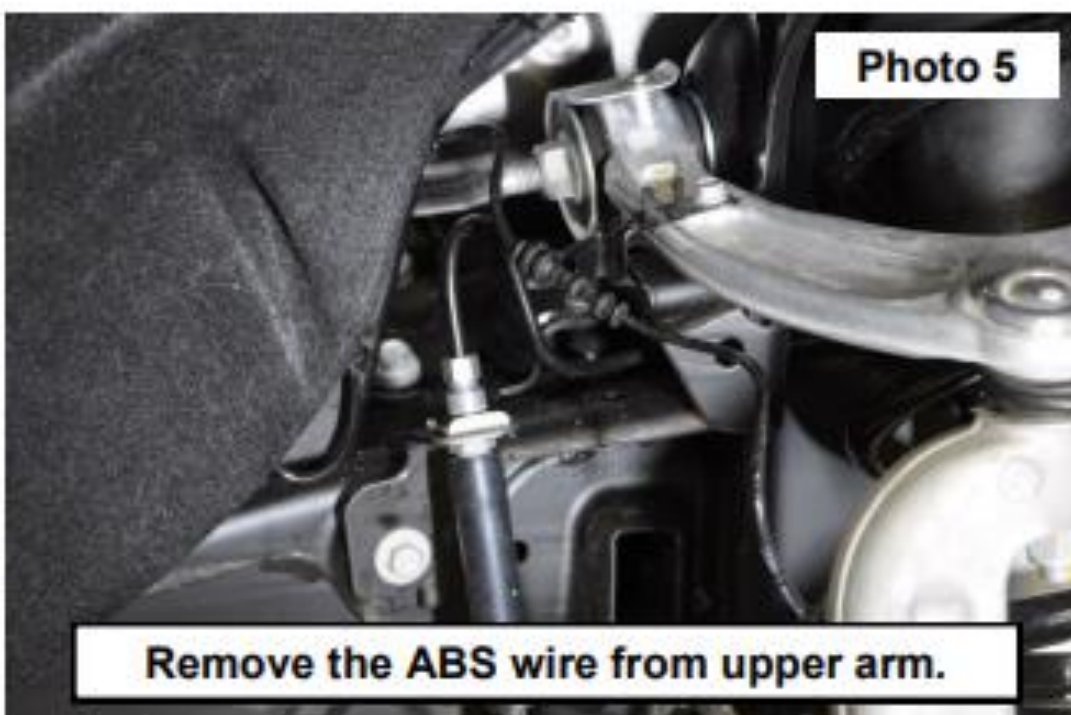
1. Place vehicle in park and chock the rear wheels. Raise the front of the vehicle with a jack and secure a jack stand beneath each frame rail behind the front control arms. Ease the frame down onto the stands.
2. Remove the front tires/and wheels using a 21mm deep well socket.
3. Remove the 4 bolts and remove the skid plate, set aside. Use a 13mm socket. **See Photo 1.** Retain hardware for reuse.
4. Disconnect the 3 plugs at the power steering rack. **See Photo 2.**



5. Loosen the tie rod end nut using a 21mm socket. Use a hammer to unseat the taper by striking only the front of the knuckle. **See Photo 3.**
6. Remove the nut and the tie rod end from the knuckle. **See Photo 4.**



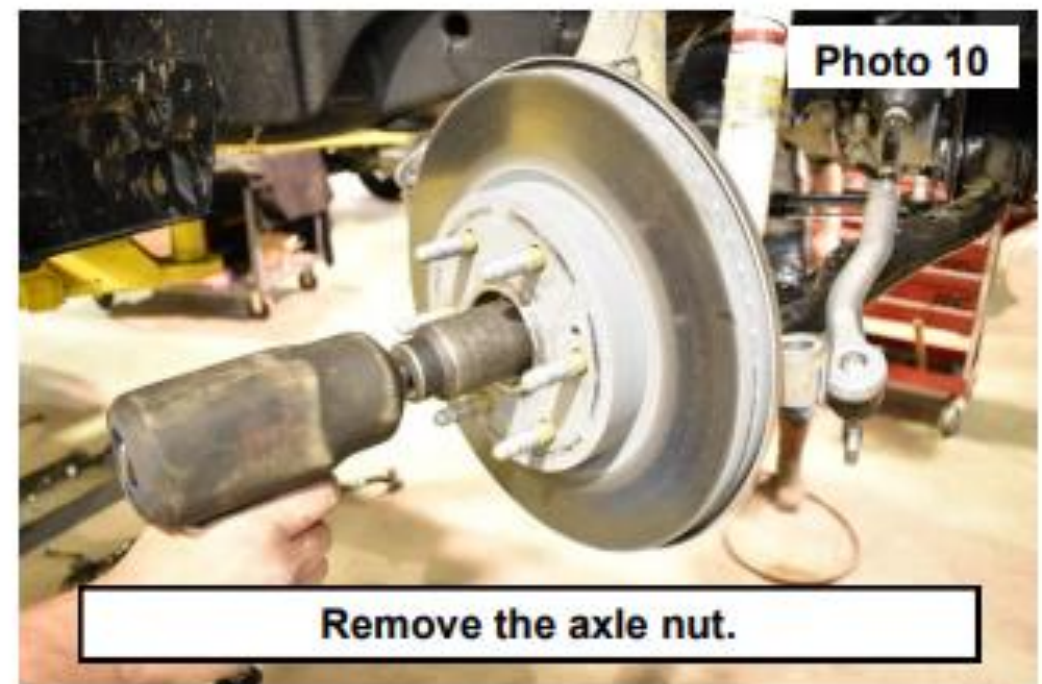
7. Remove the ABS line from the mount on the knuckle. **See Photo 5.**
8. Remove the ABS line from the knuckle using a 10mm wrench. Retain hard ware for reuse. **See Photo 6.**



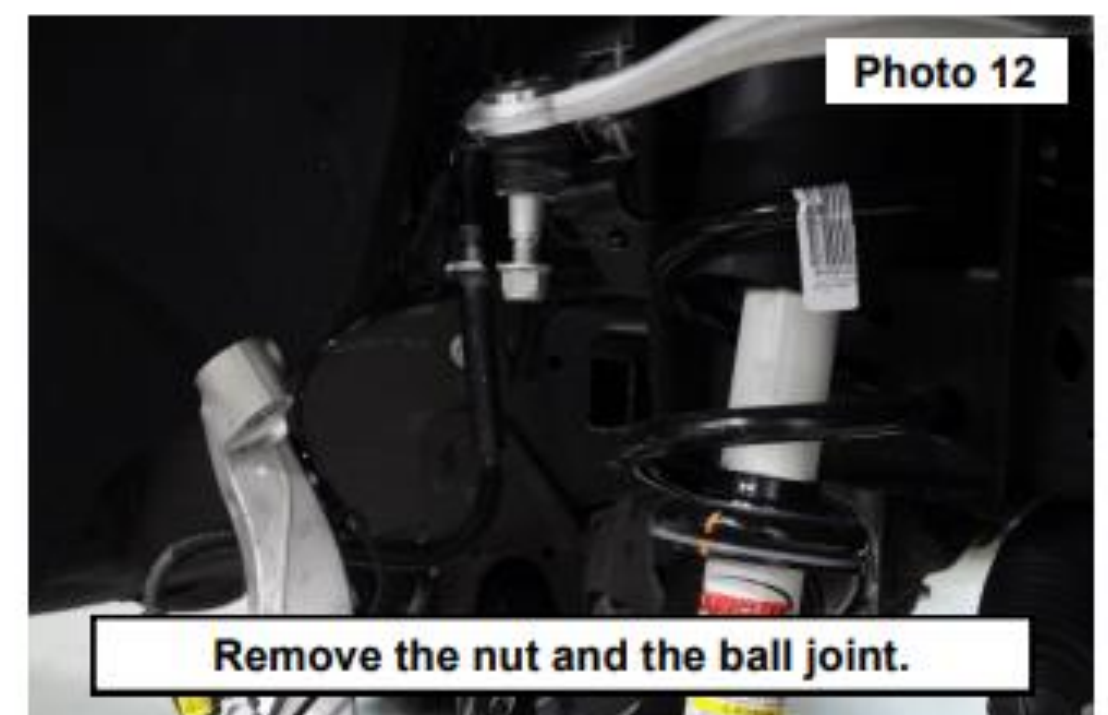
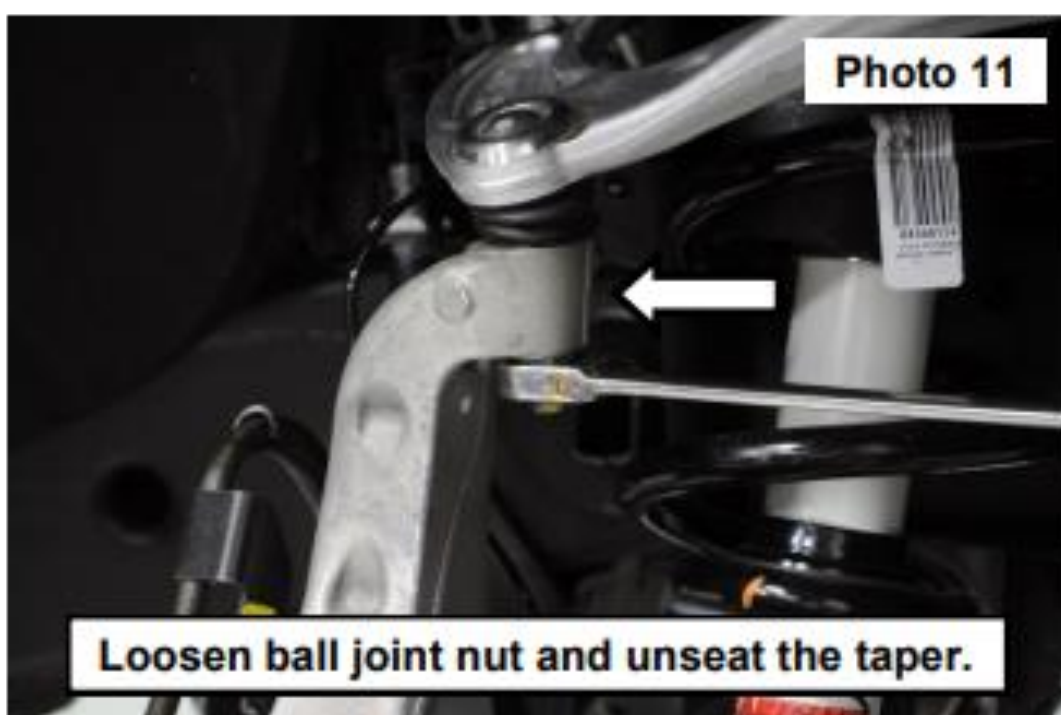
9. Remove the ABS sensor from the knuckle using a 10mm wrench. Retain hardware for reuse. **See Photo 7.**  
10. Remove the brake line from the knuckle using a 10mm socket. Retain hardware for reuse. **See Photo 8.**



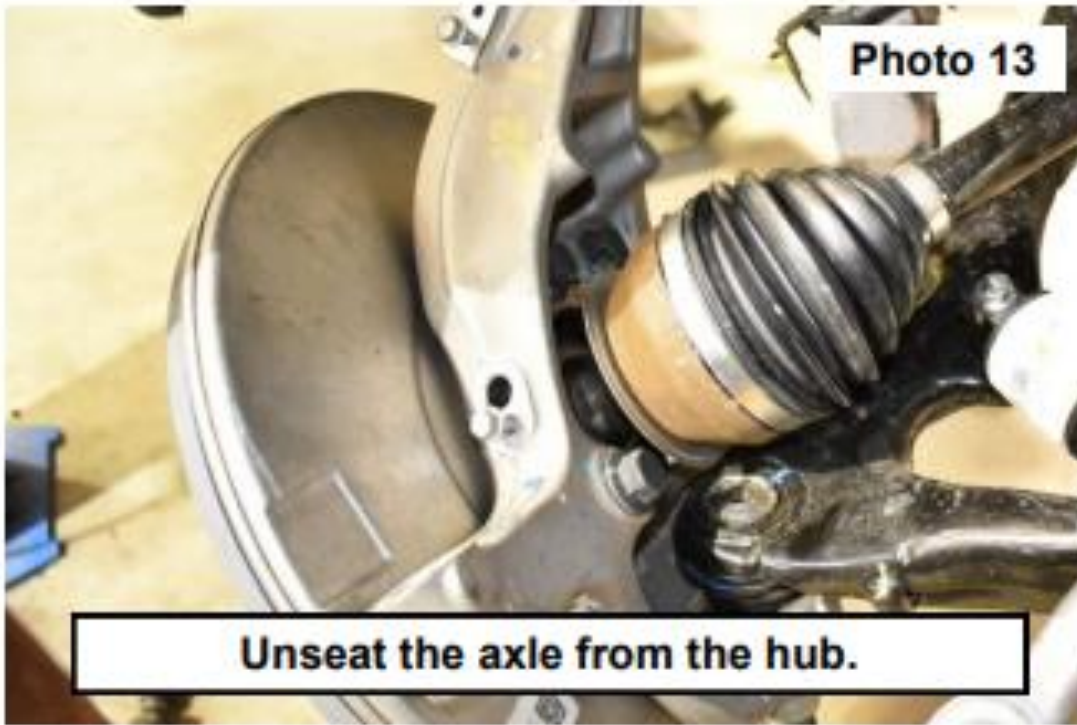
11. Remove the brake caliper using a 18mm socket. Retain the bolts for reuse. **See Photo 9.** Hang caliper by a steel hook.  
12. Remove the axle nut using a 36mm socket. Retain nut for reuse. **See Photo 10.**



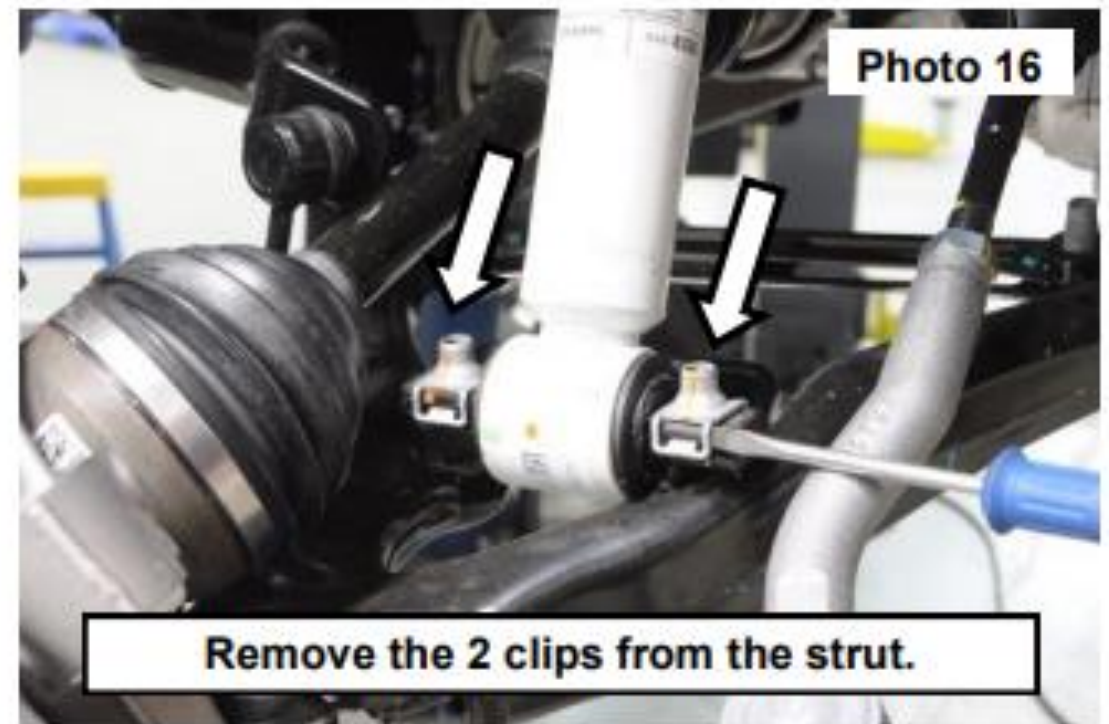
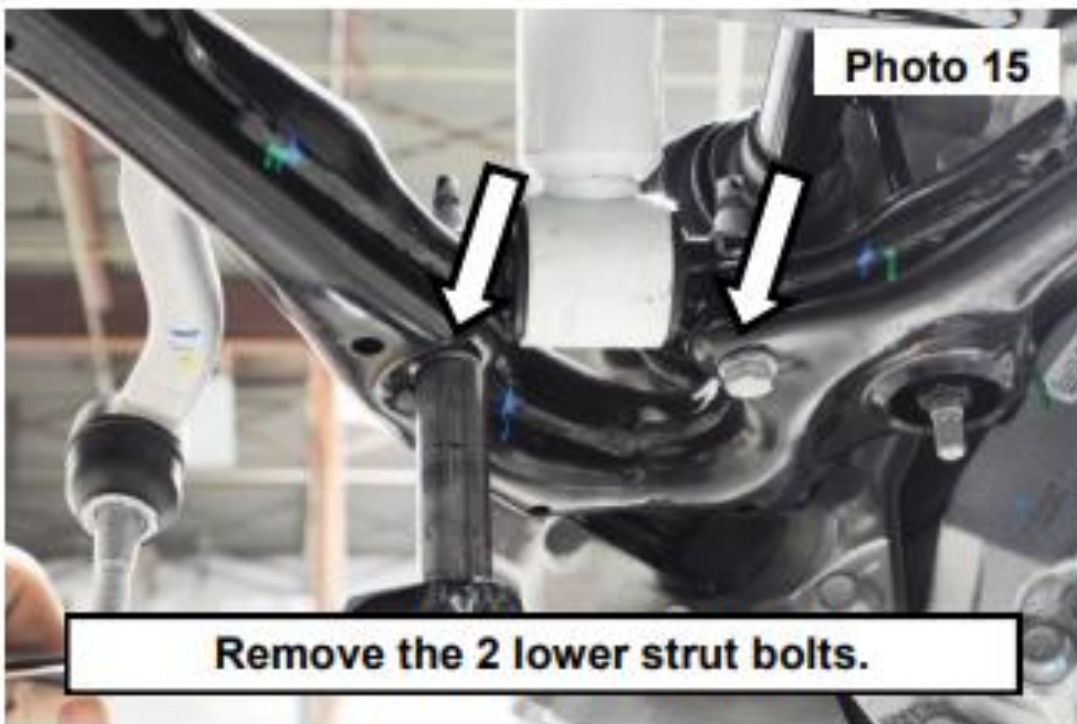
13. Loosen the upper ball joint nut using a 18mm socket. Use a hammer to unseat the taper by striking only the front of the knuckle. **See Photo 11.**  
14. Remove the nut then remove the upper ball joint from the knuckle. **See Photo 12.**



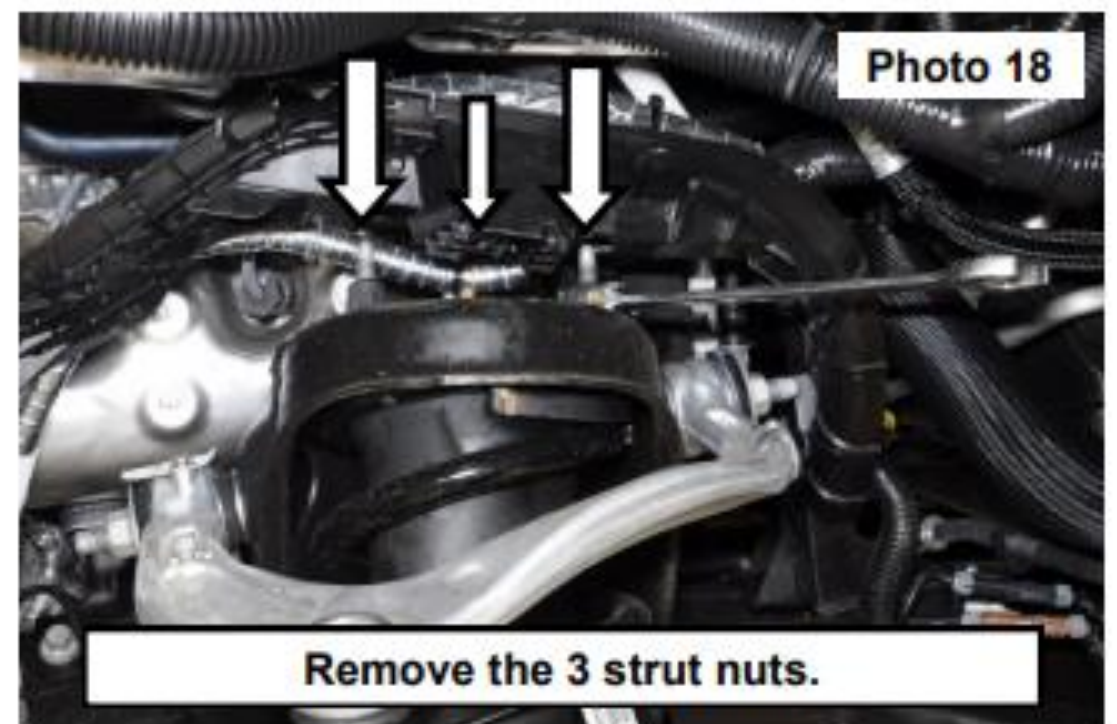
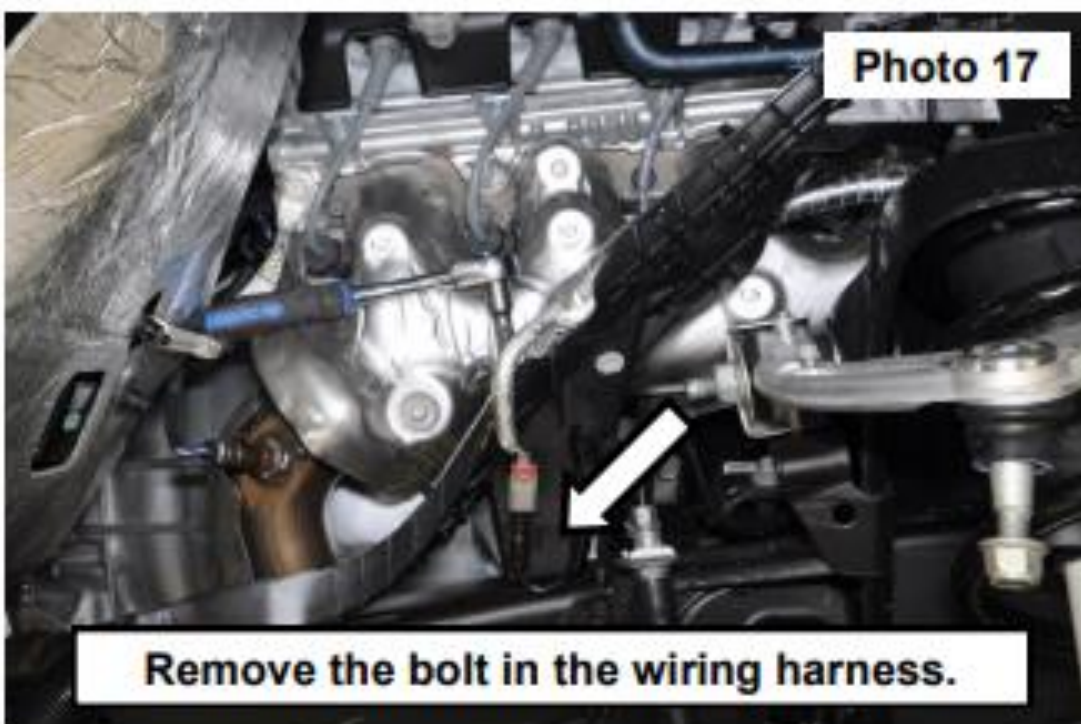
15. Unseat the axle from the hub when leaning the knuckle back. Take care not to damage the axle or the axle boot. **See Photo 13.**
16. Using an 18mm socket remove the nut from the lower sway bar link nut. **See Photo 14.**



17. Remove the 2 lower strut bolts using a 15mm socket. **See Photo 15.**
18. Using a small pry bar remove the 2 clips from the lower strut. **See Photo 16.**



19. (Shown with the inner liner removed) Using a 10mm socket remove the bolt securing the wiring harness to the frame. **See Photo 17.**
20. Remove the 3 nuts from the top of the strut using an 18mm wrench then remove the strut. **See Photo 18.**

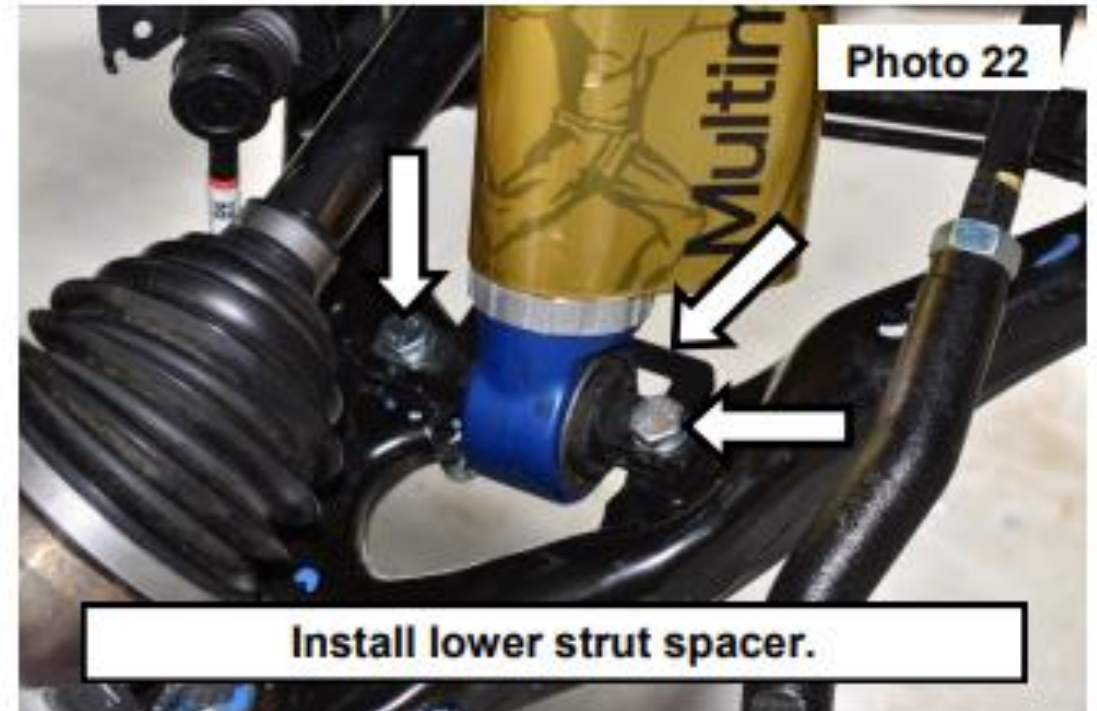


21. Place the strut in a spring compressor and compress enough to install the 2-piece preload spacer. **See Photo 19.**
22. Remove the strut from the spring compressor and make sure preload spacer is fully seated.
23. Install the triangular upper strut spacer on the top of the strut. **See Photo 20.**

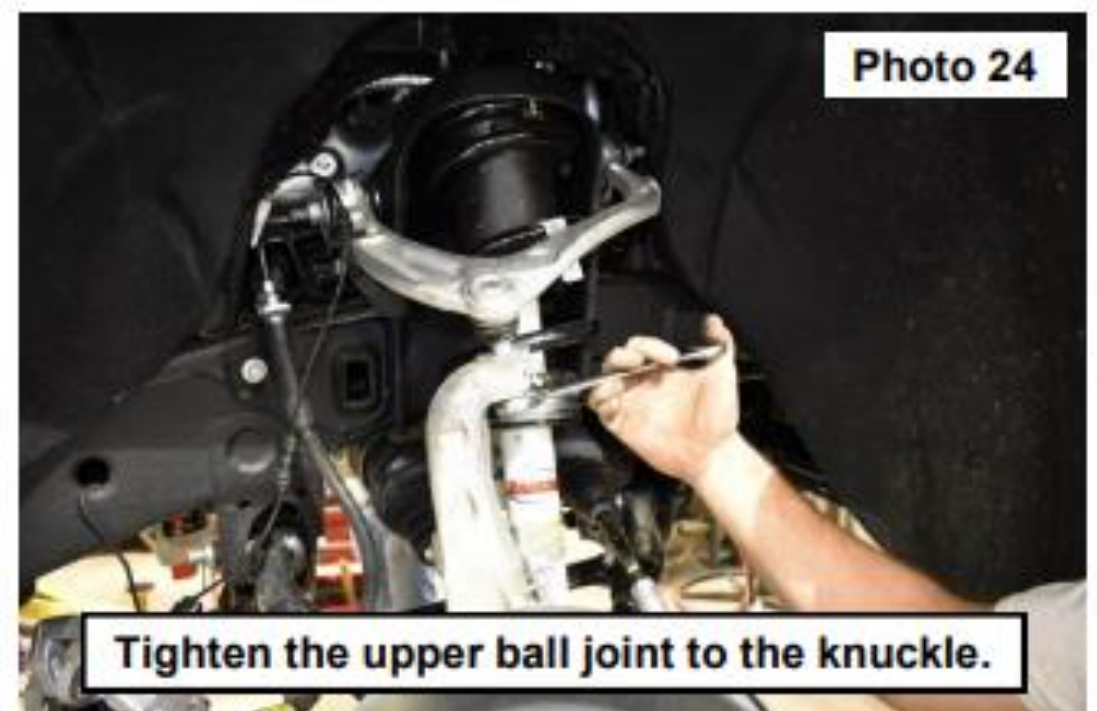
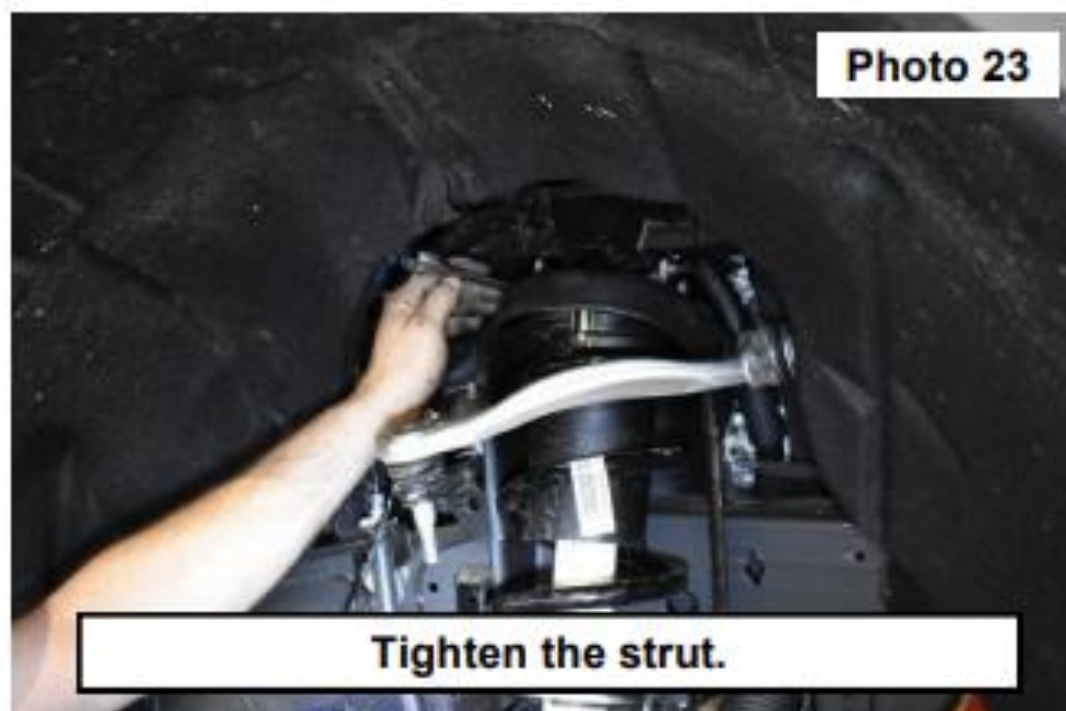


24. Install the strut assembly using the 3 retained nuts to hang the strut into the vehicle. Hand tighten. **See Photo 21.**

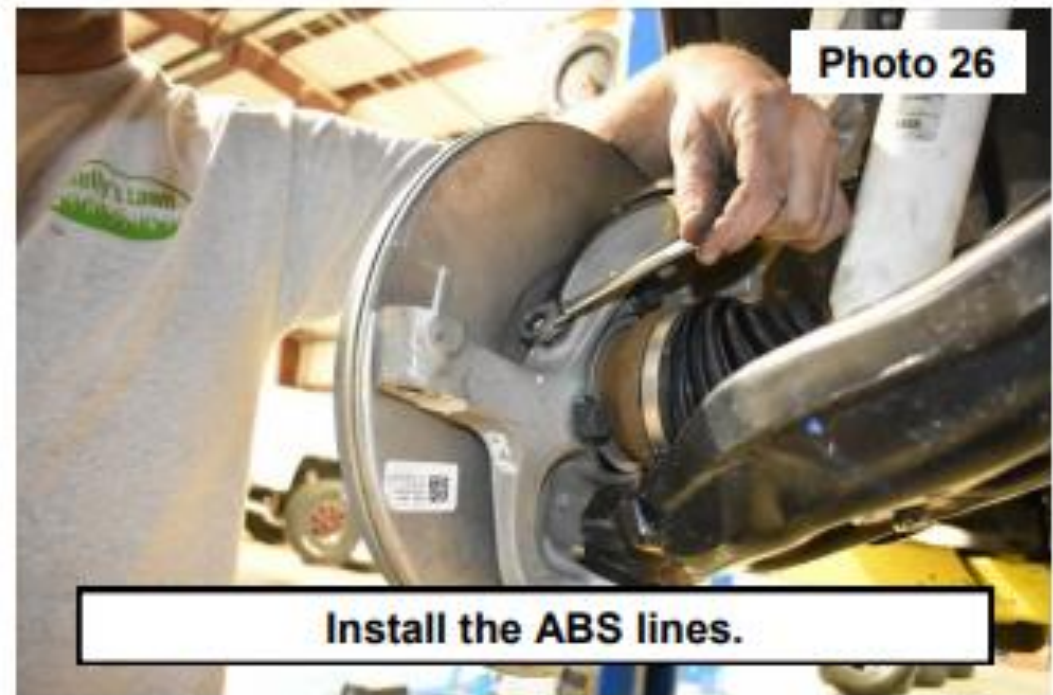
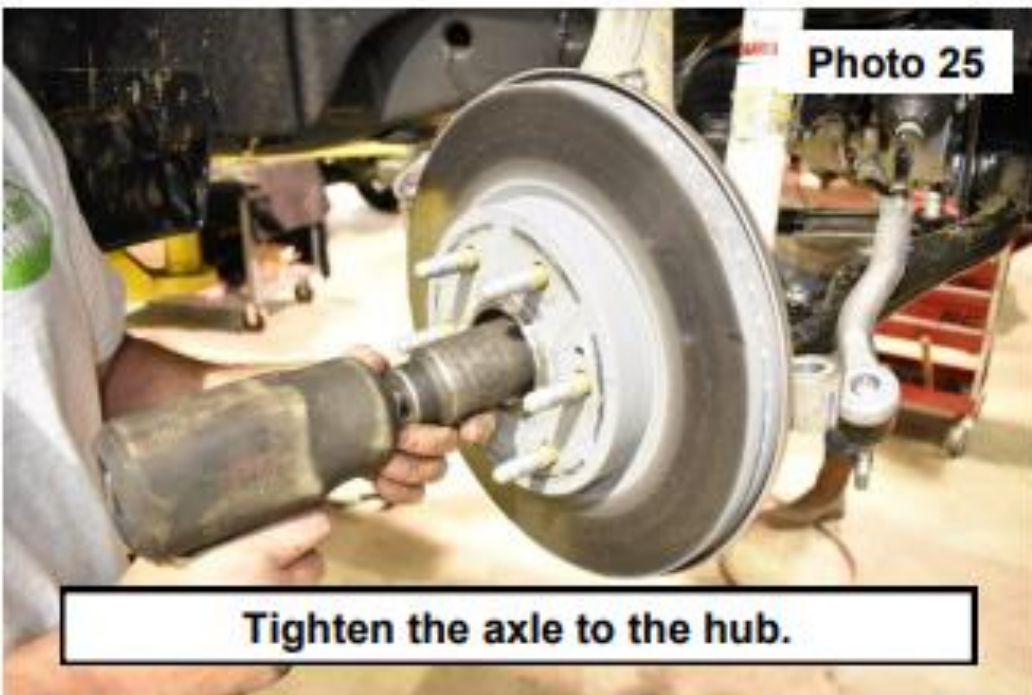
26. Torque the upper strut to 32 ft-lbs. using a 18mm socket. Install the wiring harness over the strut secure with the re-



- tained bolt tighten using a 13mm socket. **See Photo 23.**
27. Rise the knuckle up, sliding the axle back into the hub. Install the upper ball joint into the knuckle. Torque the upper ball joint to 40 ft-lbs. using a 18mm socket. **See Photo 24.**
28. Install the retained axle nut. Torque to 156 ft-lbs. using a 36mm socket. **See Photo 25.**

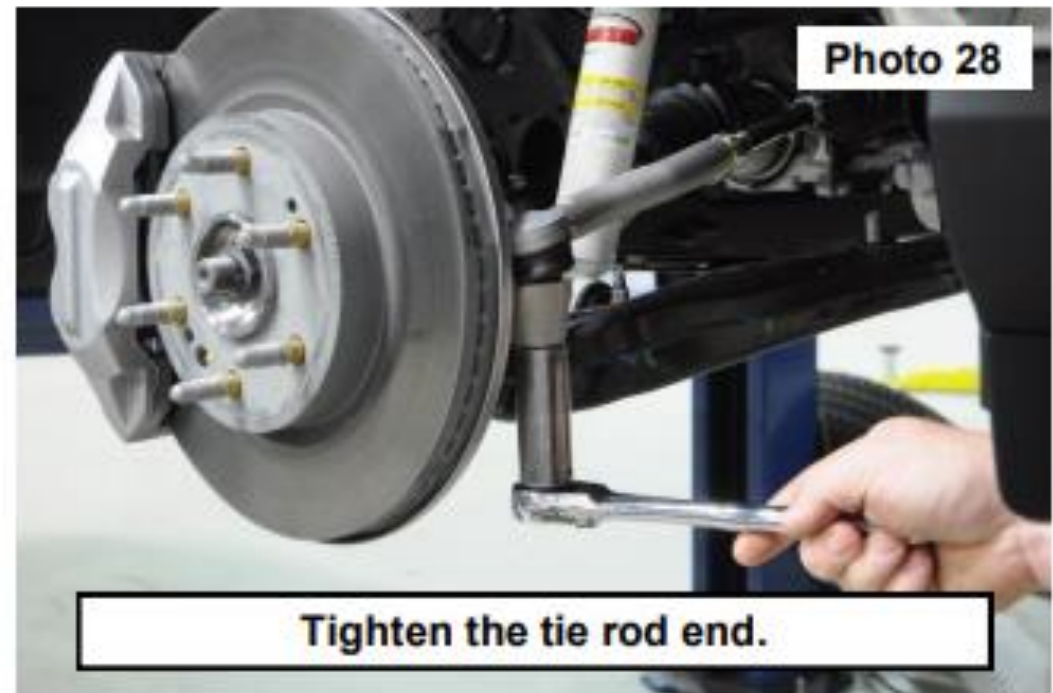
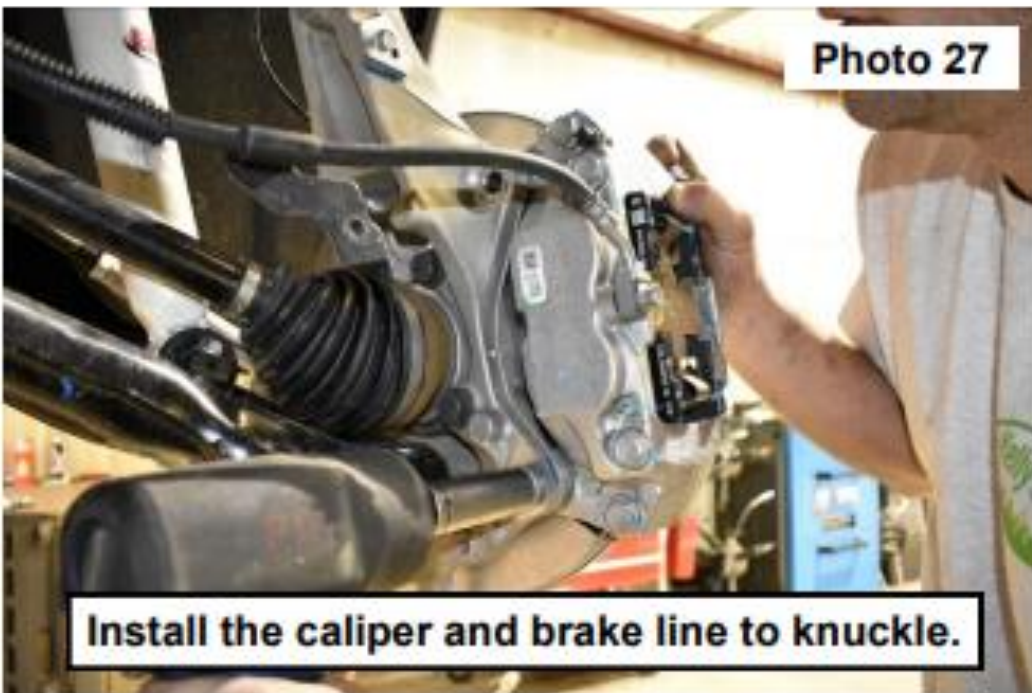


29. Install the ABS sensors into the knuckle and upper control arm using the retained bolts. Tighten using a 10mm wrench. **See Photo 26.**
30. Install the brake caliper onto the rotor secure using the retained bolts. Torque the caliper bolts to 130 ft-lbs. using an



18mm socket. Install the brake line onto the knuckle using the retained bolt. Tighten using a 10mm wrench. **See Photo 27.**

31. Install the tie rod end and the retained nut onto the knuckle. Torque to 32 ft-lbs. using an 21mm socket. **See Photo 28.**
32. Reinstall the wheels and lower.



**⚠ WARNING** Take caution when installing the wheels, making sure they completely clear the brake caliper. Any pressure on the brake caliper from the wheel will cause an error in the brake system. The braking system will not function properly. The vehicle will have to be reset by a GM dealership.