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Rough Country 98331 Installation Instructions

2-Inch Lift Kit with N3 Struts for 2017-2020 Honda CR-V AWD

Part number: 98331

trailfortress.com/rough-country-2-inch-lift-kit-98331

Scan for fitment, price and install help

921983310

ROUGH COUNTRY
SUSPENSION SYSTEMS®

HONDA 2017-20 CRV 2” 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.

This suspension system was developed using a 255/65R17 tire. If wider tires are used trimming may be required. Due to manufacturing, dimension variances, and inflation, all tire and wheel combinations should be tested prior to installation on all oversized / wider then stock tires and wheels.



KIT CONTENTS:

501103 - N3 Strut Pair
9439 - Rear Coil Spring Pair
23318 - Rear N3 Shock Pair
98331991
- 98331BAG
- 4 - Body Puck
- 4 - Rear Cradle Drop Spacer

TOOLS NEEDED:

36mm Socket
19MM Wrench and Socket
18MM Wrench and Socket
14MM Socket
13MM Wrench
11MM Socket
10MM Wrench
Jack
Jack Stands
Steel Hook
Hammer

BAG CONTENTS:

98331BAG
- 2 - 14mm x 180mm Bolt
- 8 - 8mm x 45mm Bolt
- 8 - 8mm Flat Washer
- 4 - Trailing Arm Drop
- 6 - 9/16” Flat Washer
- 4 - 14mm x 85mm Bolt



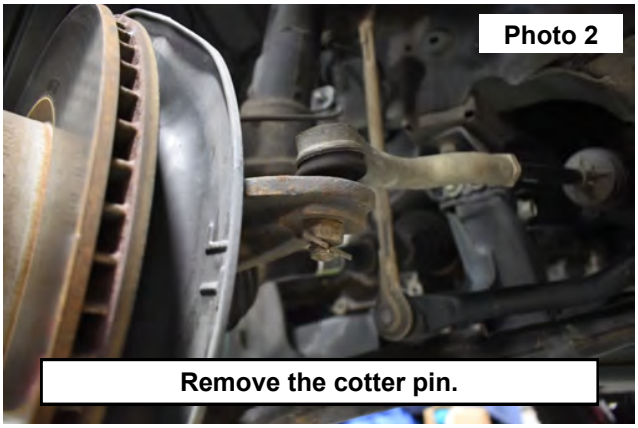
Torque Specs:

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

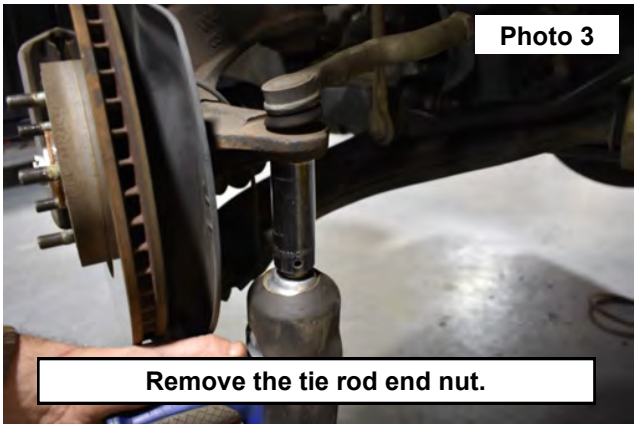
FRONT INSTALLATION INSTRUCTONS

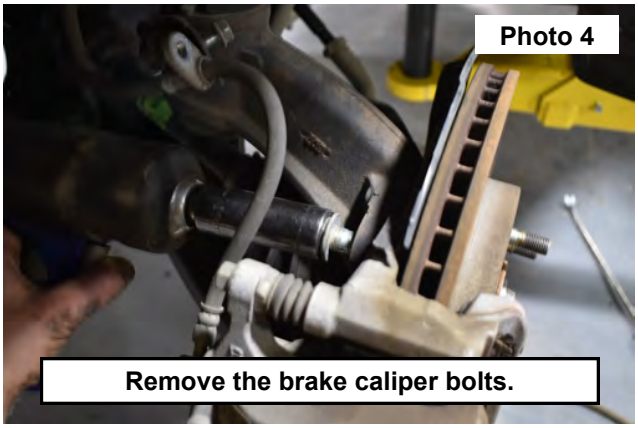
1. Using a jack lift the front of the vehicle up. Then place jack stands under the frame of the vehicle and lower the jack.
2. Remove the wheels and tire from the vehicle using a 19mm socket. **See Photo 1.**
3. Remove the cotter pin from the tie rod end. **See Photo 2.**





4. Remove the tie rod end nut using a 18mm socket. **See Photo 3.**
5. Remove the (2) brake caliper bolts using a 19mm socket. **See Photo 4.**



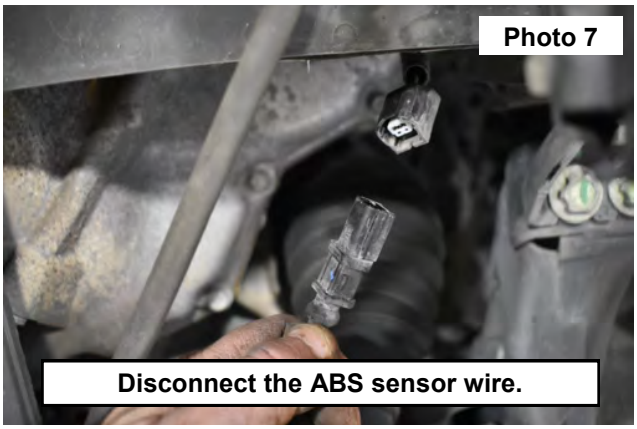


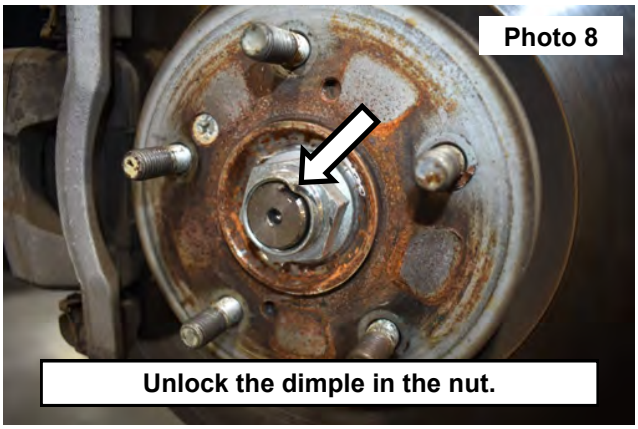
6. Remove the brake caliper from the knuckle and hang using a steel hook. **See Photo 5.**
7. Remove the sway link nut using an 18mm socket. Then remove the sway link from the strut mount. **See Photo 6.**



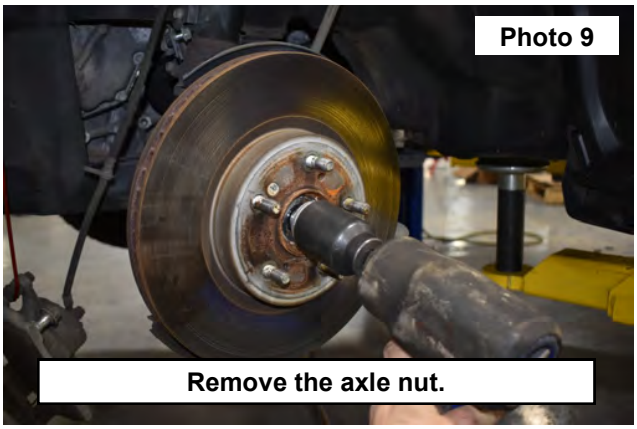


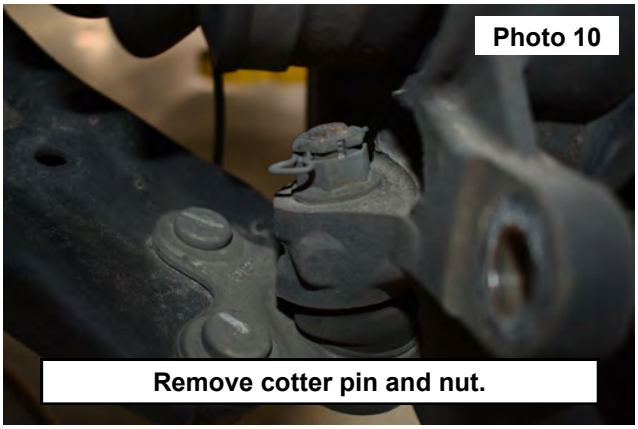
8. Disconnect the ABS sensor wire from the chassis mount. **See Photo 7.**
9. Unlock the dimple in the axle nut. **See Photo 8.**



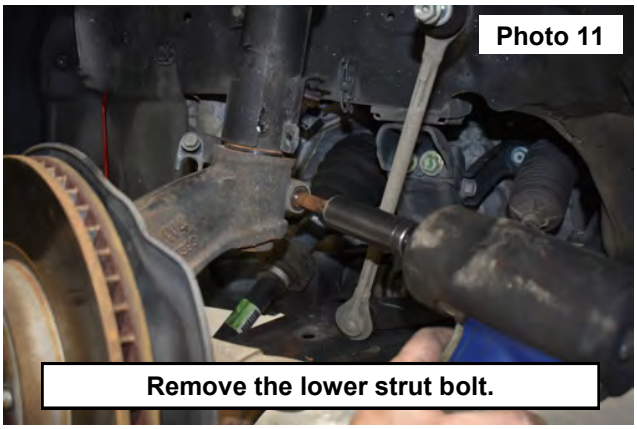


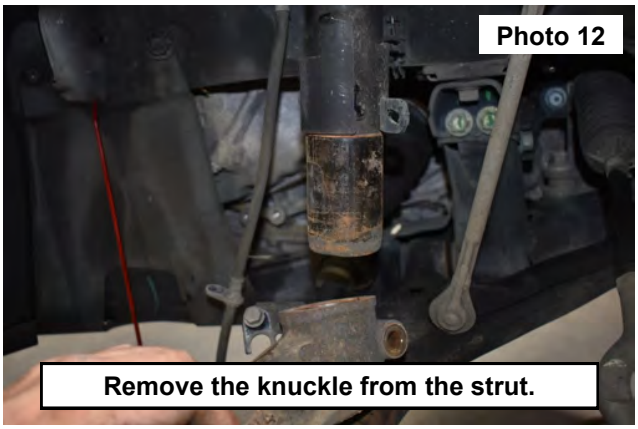
10. Use a 36mm socket to remove the axle nut. **See Photo 9.** Retain the nut.
11. Support the lower control arm.
12. Remove the cotter pin in the lower ball joint. Use a 19mm wrench to loosen the nut, unseat the ball joint taper using a hammer. Then remove the ball joint nut. **See Photo 10.**



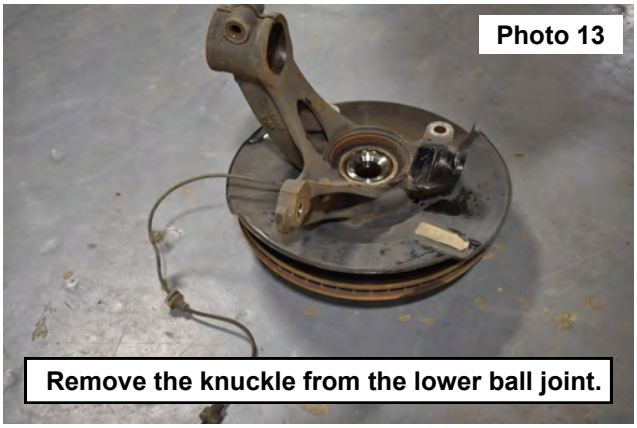


13. Remove the lower strut bolt using a 18mm socket. **See Photo 11.**
14. Lower the control arm and remove the strut from the knuckle. **See Photo 12.**



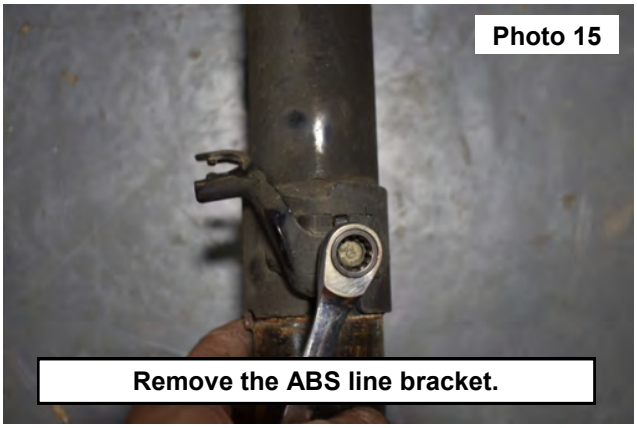


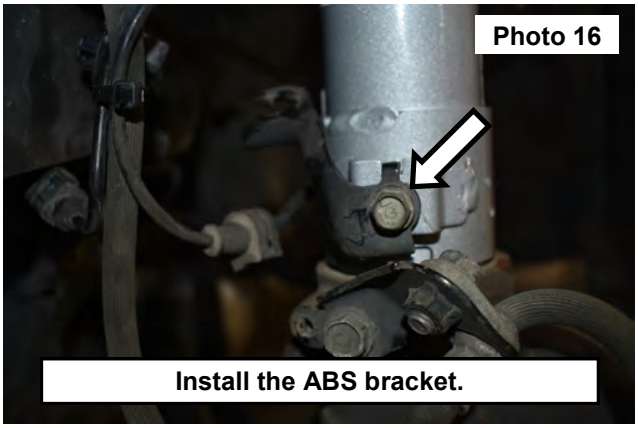
15. Remove the knuckle from the lower ball joint. Then remove the axle from the hub and set aside from the vehicle. **See Photo 13.**
16. Remove the (3) upper strut nuts and remove the strut from the vehicle. **See Photo 14.**





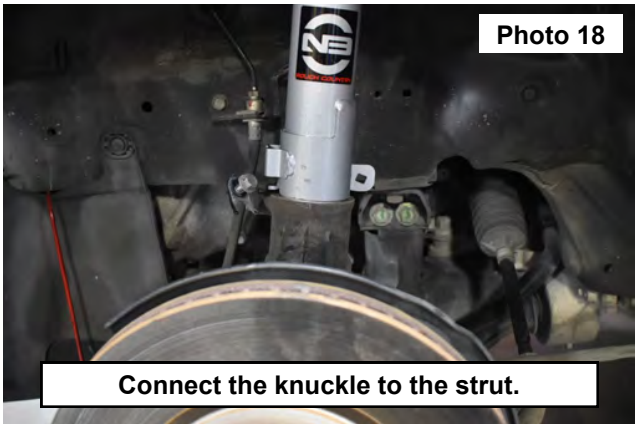
17. Remove the ABS line bracket from the OE strut using a 13mm wrench. **See Photo 15.**
18. Install the ABS bracket onto the lower strut mount using the OE bolt. Tighten using a 13mm wrench. **See Photo 16.**



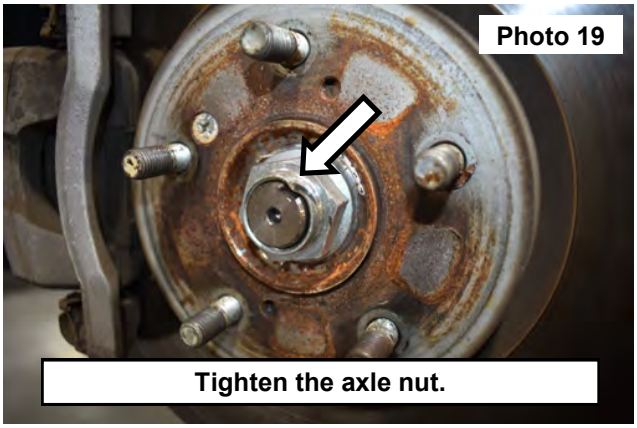


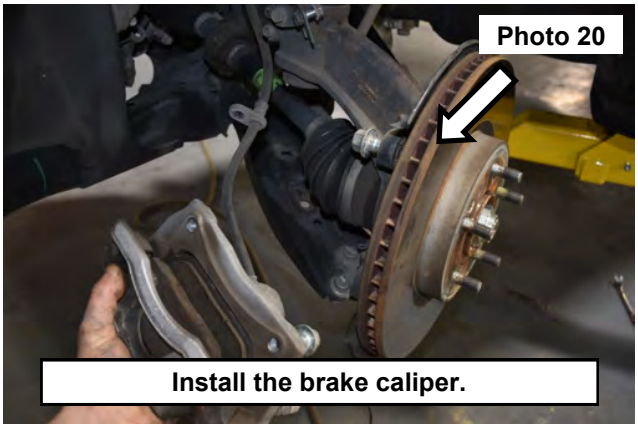
19. Install the new strut into the upper strut mount of the vehicle using the (3) supplied nuts. Tighten using a 14mm socket. **See Photo 17.**
20. Install the axle into the hub and the knuckle onto the lower ball joint tighten and install the cotter pin.
21. Raise the lower control arm to connect the knuckle to the new strut. **See Photo 18.**
22. Install the OE lower strut bolt and tighten using an 18mm socket.



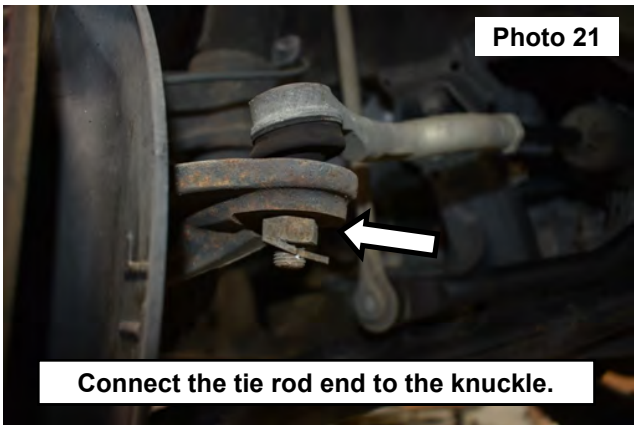


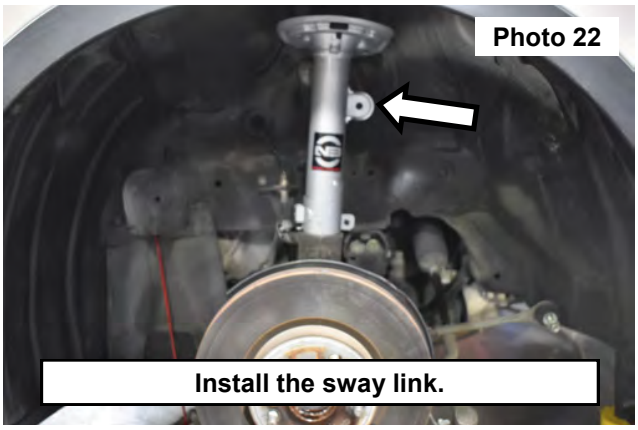
23. Install the axle nuts and tighten using a 36mm socket. Compress the lock in the nut using a punch and hammer. **See Photo 19.**
24. Install the brake caliper using the (2) OE nuts and tighten using a 18mm socket. **See Photo 20.**



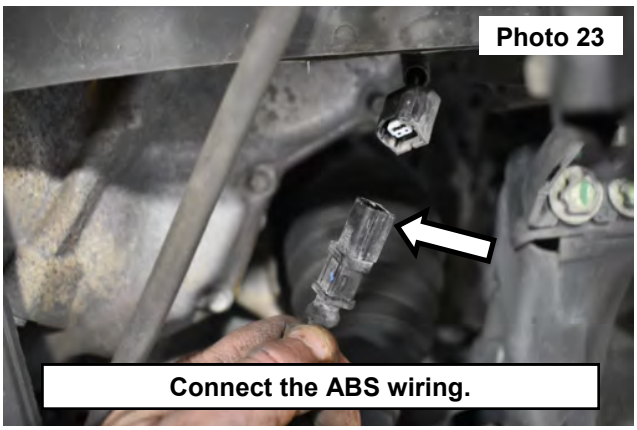


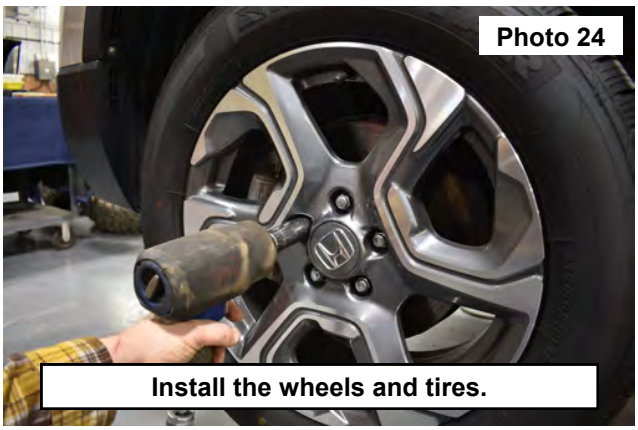
25. Connect the tie rod end into the knuckle, tighten the nut using an 18mm wrench and insert the cotter pin. **See Photo 21.**
26. Connect the sway link to the strut mount using the OE hardware. Tighten using a 18mm socket. **See Photo 22.**
27. Connect the ABS wiring to the chassis mount. **See Photo 23.**





28. Install the wheels and tires. **See Photo 24.**
29. Using a jack raise the vehicle up and remove the jack stands and lower onto the ground.

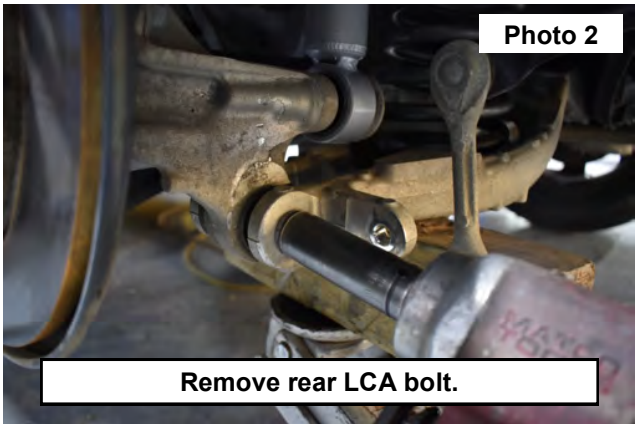




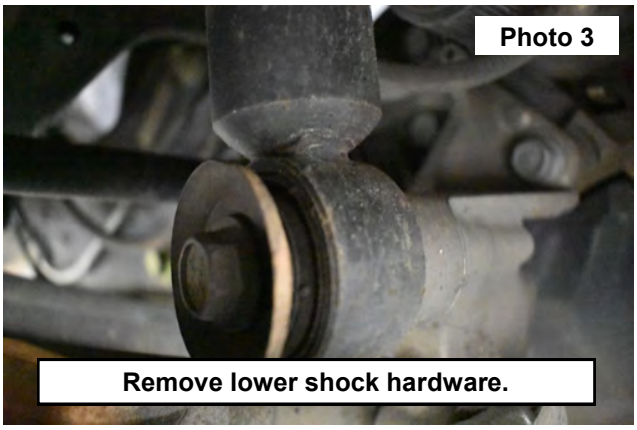
REAR INSTALLATION INSTRUCTONS

1. Chock front wheels. Use a jack to lift the rear of the vehicle up. Then place jack stands under the frame of the vehicle and lower the jack.
2. Remove the wheels and tire from the vehicle using a 19mm socket.
3. Remove the rear sway bar link with a 14mm socket. Retain hardware for reuse. **See Photo 1.**
4. Place a jack under the rear lower control arm. Remove rear lower control arm bolt for the rear knuckle with a 17mm socket. **See Photo 2.**



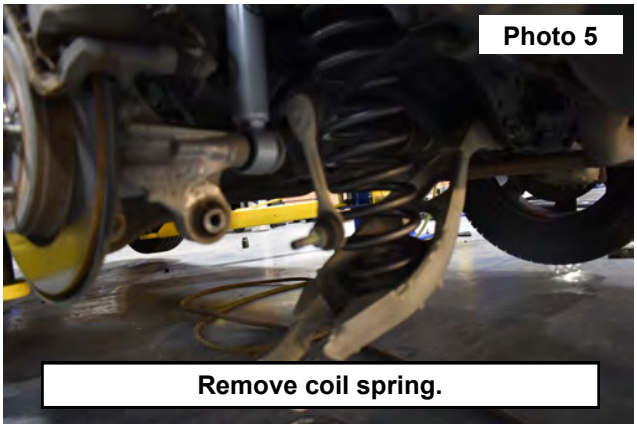


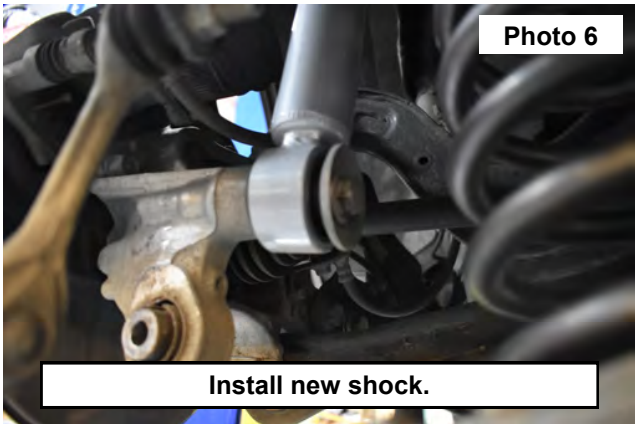
5. Remove lower shock bolt using a 17mm socket. Retain hardware for reuse. **See Photo 3.**
6. Remove upper shock hardware using a 12mm socket. Remove factory shock. **See Photo 4.**



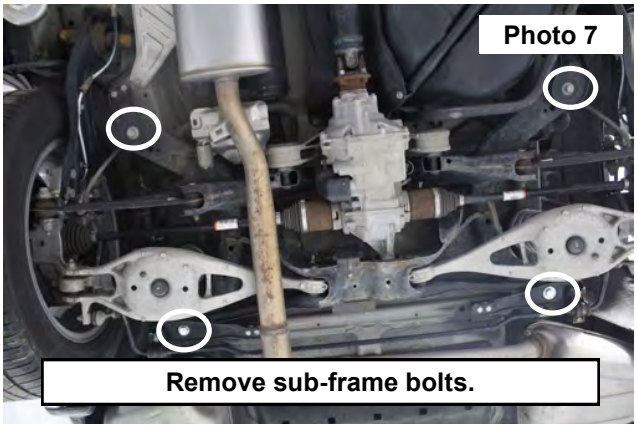


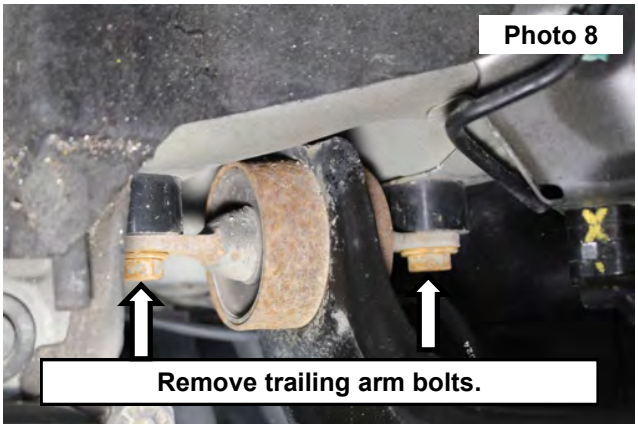
7. Swing rear lower control arm down to remove the factory coil spring. Remove spring isolator and set aside to be reused. **See Photo 5.**
8. Install supplied shock using the supplied upper shock nut. Tighten with a 17mm socket.
9. Install the factory lower shock hardware into the new shock. Tighten with a 17mm socket. **See Photo 6.**



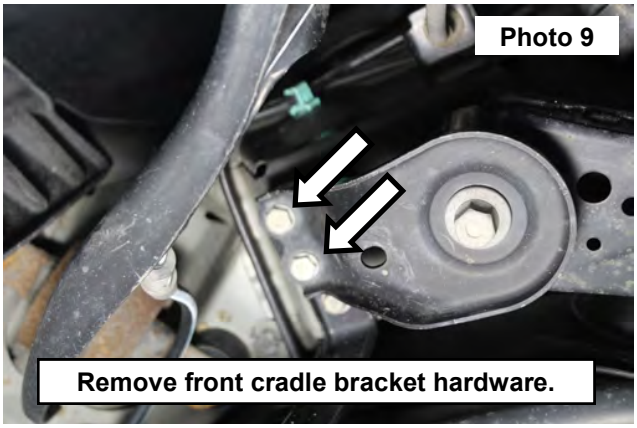


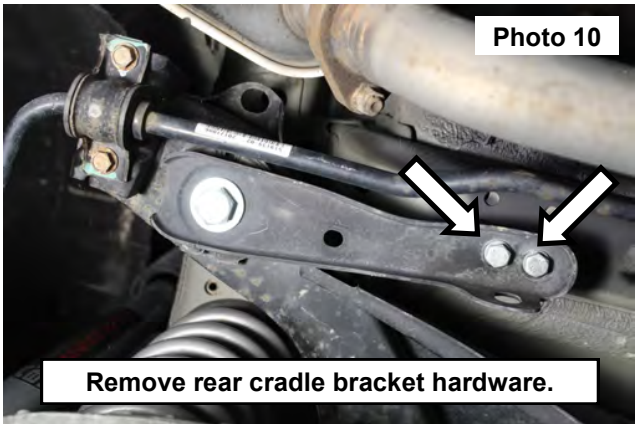
10. Support rear sub-frame with a jack. Remove the four cradle bolts and four trailing arm bolts using a 17mm socket. Retain two of the bolts for reuse. **See Photo 7 and Photo 8.**



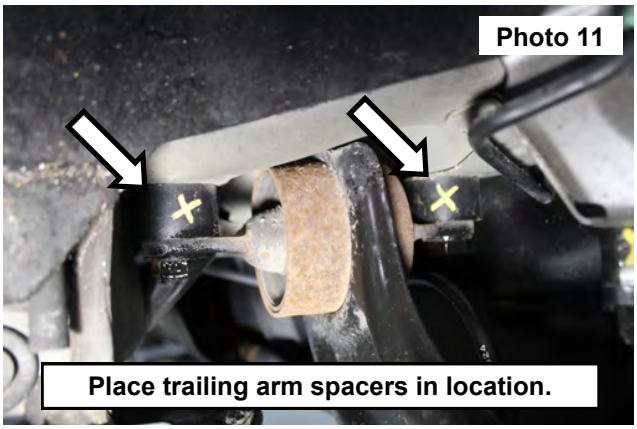


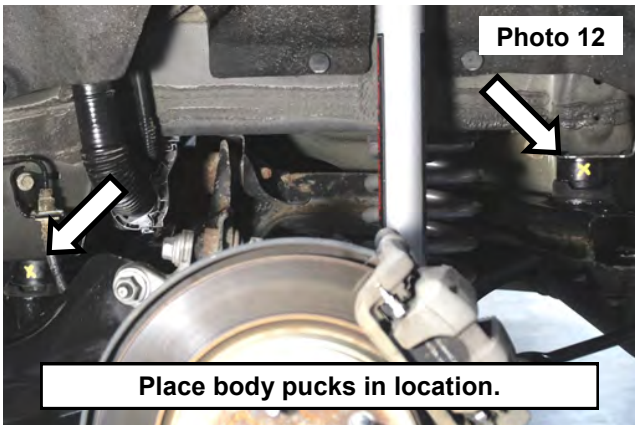
11. Remove the eight factory 8mm bolts that connect the subframe to the vehicle body. **See Photo 9 and Photo 10.**



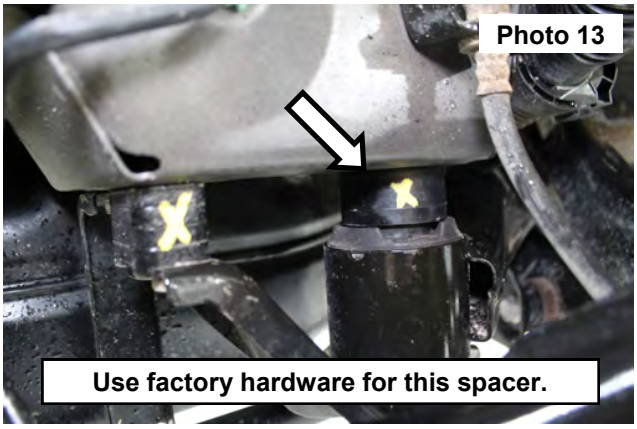


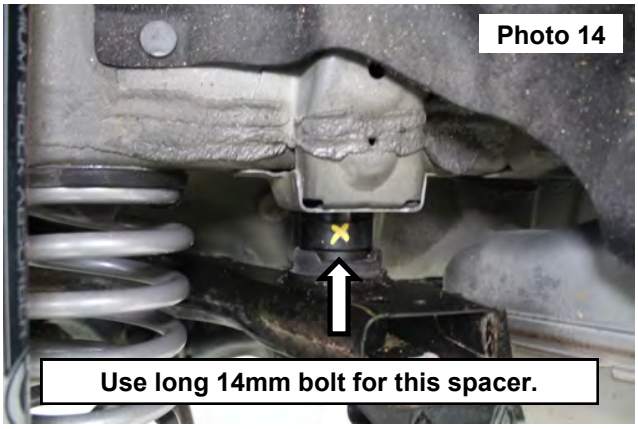
12. Lower the jack supporting the rear sub-frame and fit the four supplied body pucks and four supplied trailing arm spacers between the vehicle body and the sub-frame. **See Photo 11 and Photo 12.**
13. Loosely install the trailing arm spacers with the supplied 14mm x 85mm bolts using a 22mm socket.





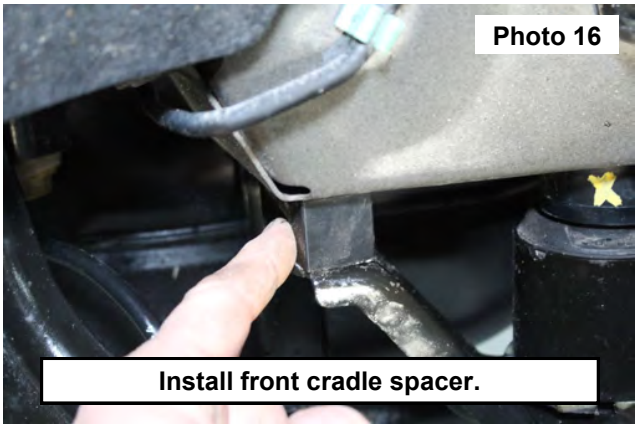
14. Use the two saved cradle bolts and washer for the front sub-frame mount as shown in **Photo 13.** Loosely tighten using a 17mm socket.
15. Use the supplied 14mm x 180mm bolt and 9/16” washer for the rear sub-frame mounts as shown in **Photo 14.** Loosely tighten with a 17mm wrench.



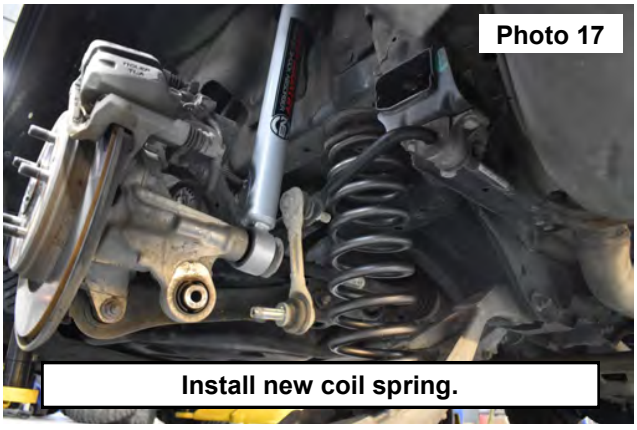


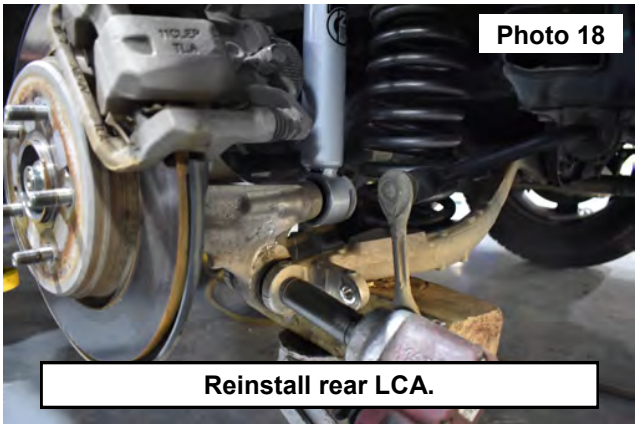
16. Place the supplied cradle spacers in the locations shown in **Photo 15 and 16.** Use the supplied 8mm hardware to secure. Tighten with a 13mm wrench.
17. **TIGHTEN ALL SUB-FRAME HARDWARE.** With sub-frame hardware removed, carefully lower the jack supporting the sub-frame.





18. Install the factory spring isolator onto the new lifted spring and install. Use a jack to lift the rear lower control arm into place and use the factory bolt to tighten into place. Tighten with a 17mm socket. **See Photo 18.**
19. Use factory hardware to reconnect the rear sway bar link using a 12mm socket.
20. Reinstall wheels and lower vehicle to the ground.





POST INSTALLATION INSTRUCTIONS

1. Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floorboards, and wiring harness.
2. Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile, or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/ replacement may result in component failure.
3. On some vehicles, the front lower skirting will need to be trimmed if using certain wheel/tire combinations and with heavy offset wheels. Trim only as needed.
4. Activate four wheel drive system and check front hubs for engagement.
5. Have a qualified alignment center align the vehicle immediately. Realign to factory specifications.
6. Perform head light check and adjustment to proper settings.
7. Check and retighten wheels at 50 miles and again at 500 miles
8. All kit components must be retightened at 500 miles and then every 300 miles after installation. Periodically check all hardware for tightness.
9. Install “Warning to Driver” decal on sun visor.

NOTE: Installation of larger tires will require speedometer recalibration.



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