ROUGH COUNTRY
SUSPENSION SYSTEMS®

921772300

Toyota 2024 - 2026 Tacoma 6 inch KIT

Thank you for choosing Rough Country for your suspension needs.

Rough Country recommends a certified technician install this system. In addition to these instructions, professional knowledge of disassembly/reassembly procedures as well as post installation checks must be known. Attempting to install this system without the proper knowledge and expertise may jeopardize the integrity and/or operating safety of the vehicle.

⚠WARNING Please read instructions before beginning installation. Check the kit hardware against the parts list on the next page and the product layout on the last page. Be sure you have all needed parts and know where they go. Also review the tools needed list and ensure you have all required tools.

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.

If questions exist we will be happy to answer any questions concerning the design, function, and correct use of our products.

This suspension system was developed using a Maximum tire size of 35” X 12.5” with a 18” x 9” aftermarket wheel with 0mm offset. Minor trimming and/or removal of the mud flaps is required.

⚠NOTICE **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.

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

⚠NOTICE Note to Installer: Before installation begins, we recommend performing a test drive. 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.

(77230)Kit Contents:

Tools Needed:

10mm Wrench or Socket
12mm Wrench or Socket
13mm Wrench or Socket
14mm Wrench or Socket
15mm Wrench or Socket
17mm Wrench or Socket
18mm Wrench or Socket
19mm Wrench or Socket
22mm Wrench or Socket
24mm Wrench or Socket
36mm Wrench or Socket
1/2" Wrench or Socket
9/16" Wrench or Socket
Screwdriver
Pliers
Floor Jack/Lift
Jack Stands

77230991:

1- Dr/Pass Knuckles

5062.1:

1- Tacoma Front Drive shaft

77230992:

1- Front Crossmember
1- Rear Crossmember
1- 77230BAG1
1-Crossmember Badge
1– Tacoma Cam Bolt Bag

77230993:

1– Front Skid Plate
1- 77230BAG2

77230994:

2- Front Sway Bar Drop Brkt
2– Front Strut Spacer
2– Rear Coil Spring Spacers
1– Dr Front Upper Brake Line Brkt
1– Pass Front Upper Brake Line Brkt
2– Front Lower Brake Line Brkt
2– Rear UCA Relocation Brkt
1– Dr Rear Bump stop Brkt
1– Pass Rear Bump stop Brkt
1– Rear Trackbar Brkt
2– Rear Trackbar Shim
3– Rear Brake Line Brkt
2– Bump Stops
1– Rear Sway Bar Link Kit
1– Rear Trackbar Shim
3– Rear Axle Brake Line Brkt
1- 77230BAG3
1- 77230BAG4
1- 72900BAG1

23329:

2- Rear N3 Shocks

Bag Contents:

77230BAG1: Crossmember Bag

18mm-25 Lock Nut– 4
18mm Flat Washer– 8
18mm-2.5mm x 140mm –4
6mm-1.0 Nylock Nut – 2
6mm-1.0 x 20mm Hex – 2
14mm-1.50 Nylock Nut– 1

77230BAG2:

3/8-16 x 1.25 Hex Head Bolt– 4
3/8 Washer SAE– 6
3/8 Lock Washer– 6
3/8-16 Hex Nut– 2

77230BAG3:

3/8-16 x 1.25in Hex Head Bolt– 6
.4375-14 x 1.5 Hex Head Bolt– 4
.4375in Flat Washer– 8
.437-14 Nylock Nut– 4
.312-18 x .75in Hex Head Bolt– 9
.312-18 Flange Locknut– 9
.3125 Washer SAE– 9

77230BAG4

10mm–1.25 x 35mm Hex Head– 3
10MM Flat Washer– 3
10mm-1.25 Serrated Flange Nut– 3
Upper Arm Spacer– 2
Up Control Arm Sleeve– 2
14mm-2.0 x 110mm– 2
14mm-2mm Nylock Nut– 3
9/16 Flat Washer SAE– 7
12mm-1.75 Flange Lock– 2
M12-1.75 x 35mm Hex Head Bolt– 2
12mm Flat Washer– 2
14mm-2.0 x 80mm Hex Head Bolt– 1
.563x.81x1.61 Sleeve

72900BAG1

10mm x 1.25 Strut Spacer Stud– 8
10mm-1.25 Serrated Flange Nut– 8
M10-1.25 Hex Nut-1
1/2-20 Jam Nut-1

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

(77231) Kit Contents:

Tools Needed:

10mm Wrench or Socket
12mm Wrench or Socket
13mm Wrench or Socket
14mm Wrench or Socket
15mm Wrench or Socket
17mm Wrench or Socket
18mm Wrench or Socket
19mm Wrench or Socket
22mm Wrench or Socket
24mm Wrench or Socket
36mm Wrench or Socket
1/2" Wrench or Socket
9/16" Wrench or Socket
Screwdriver
Pliers
Floor Jack/Lift
Jack Stands

77230991:
1- Dr/Pass Knuckles

5062.1:
1- Tacoma Front Drive shaft

77230992:
1- Front Crossmember
1- Rear Crossmember
1- 77230BAG1
1-Crossmember Badge
1– Tacoma Cam Bolt Bag

77230993:
1– Front Skid Plate
1- 77230BAG2

77231995:
2- Front Sway Bar Drop Brkt
1– Dr Front Upper Brake Line Brkt
1– Pass Front Upper Brake Line Brkt
2– Front Lower Brake Line Brkt
2– Rear UCA Relocation Brkt
1– Dr Rear Bump stop Brkt
1– Pass Rear Bump stop Brkt
1– Rear Trackbar Brkt
2– Rear Trackbar Shim
3– Rear Brake Line Brkt
2– Bump Stops
1– Rear Sway Bar Link Kit
1– Rear Trackbar Shim
3– Rear Axle Brake Line Brkt
1- 77230BAG3
1- 77230BAG4

501180:
2- Loaded Struts

23329:
2- Rear N3 Shocks

9470:
2- Rear Coil Springs

Bag Contents:

77230BAG1: Crossmember Bag
18mm-25 Lock Nut– 4
18mm Flat Washer– 8
18mm-2.5mm x 140mm –4
6mm-1.0 Nylock Nut – 2
6mm-1.0 x 20mm Hex – 2
14mm-1.50 Nylock Nut– 1

77230BAG2:
3/8-16 x 1.25 Hex Head Bolt– 4
3/8 Washer SAE– 6
3/8 Lock Washer– 6
3/8-16 Hex Nut– 2

77230BAG3:
3/8-16 x 1.25in Hex Head Bolt– 6
.4375-14 x 1.5 Hex Head Bolt– 4
.4375in Flat Washer– 8
.437-14 Nylock Nut– 4
.312-18 x .75in Hex Head Bolt– 9
.312-18 Flange Locknut– 9
.3125 Washer SAE– 9

77230BAG4
10mm–1.25 x 35mm Hex Head– 3
10MM Flat Washer– 3
10mm-1.25 Serrated Flange Nut– 3
Upper Arm Spacer– 2
Up Control Arm Sleeve– 2
14mm-2.0 x 110mm– 2
14mm-2mm Nylock Nut– 3
9/16 Flat Washer SAE– 7
12mm-1.75 Flange Lock– 2
M12-1.75 x 35mm Hex Head Bolt– 2
12mm Flat Washer– 2
14mm-2.0 x 80mm Hex Head Bolt– 1
.563x.81x1.61 Sleeve

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

(77240) Kit Contents:

Tools Needed:

10mm Wrench or Socket
12mm Wrench or Socket
13mm Wrench or Socket
14mm Wrench or Socket
15mm Wrench or Socket
17mm Wrench or Socket
18mm Wrench or Socket
19mm Wrench or Socket
22mm Wrench or Socket
24mm Wrench or Socket
36mm Wrench or Socket
1/2" Wrench or Socket
9/16" Wrench or Socket
Screwdriver
Pliers
Floor Jack/Lift
Jack Stands

77230991:
1- Dr/Pass Knuckles

5062.1:
1- Tacoma Front Drive shaft

77230992:
1- Front Crossmember
1- Rear Crossmember
1- 77230BAG1
1-Crossmember Badge
1– Tacoma Cam Bolt Bag

77230993:
1– Front Skid Plate
1- 77230BAG2

77231995:
2- Front Sway Bar Drop Brkt
1– Dr Front Upper Brake Line Brkt
1– Pass Front Upper Brake Line Brkt
2– Front Lower Brake Line Brkt
2– Rear UCA Relocation Brkt
1– Dr Rear Bump stop Brkt
1– Pass Rear Bump stop Brkt
1– Rear Trackbar Brkt
2– Rear Trackbar Shim
3– Rear Brake Line Brkt
2– Bump Stops
1– Rear Sway Bar Link Kit
1– Rear Trackbar Shim
3– Rear Axle Brake Line Brkt
1- 77230BAG3
1- 77230BAG4

502180:
2- M1 Loaded Struts

770866P:
2- Rear M1 Monotube Shocks

9470:
2- Rear Coil Springs

Bag Contents:

77230BAG1: Crossmember Bag
18mm-25 Lock Nut– 4
18mm Flat Washer– 8
18mm-2.5mm x 140mm –4
6mm-1.0 Nylock Nut – 2
6mm-1.0 x 20mm Hex – 2
14mm-1.50 Nylock Nut– 1

77230BAG2:
3/8-16 x 1.25 Hex Head Bolt– 4
3/8 Washer SAE– 6
3/8 Lock Washer– 6
3/8-16 Hex Nut– 2

77230BAG3:
3/8-16 x 1.25in Hex Head Bolt– 6
.4375-14 x 1.5 Hex Head Bolt– 4
.4375in Flat Washer– 8
.437-14 Nylock Nut– 4
.312-18 x .75in Hex Head Bolt– 9
.312-18 Flange Locknut– 9
.3125 Washer SAE– 9

77230BAG4
10mm–1.25 x 35mm Hex Head– 3
10MM Flat Washer– 3
10mm-1.25 Serrated Flange Nut– 3
Upper Arm Spacer– 2
Up Control Arm Sleeve– 2
14mm-2.0 x 110mm– 2
14mm-2mm Nylock Nut– 3
9/16 Flat Washer SAE– 7
12mm-1.75 Flange Lock– 2
M12-1.75 x 35mm Hex Head Bolt– 2
12mm Flat Washer– 2
14mm-2.0 x 80mm Hex Head Bolt– 1
.563x.81x1.61 Sleeve

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

(77244) Kit Contents:

Tools Needed:

10mm Wrench or Socket
12mm Wrench or Socket
13mm Wrench or Socket
14mm Wrench or Socket
15mm Wrench or Socket
17mm Wrench or Socket
18mm Wrench or Socket
19mm Wrench or Socket
22mm Wrench or Socket
24mm Wrench or Socket
36mm Wrench or Socket
1/2" Wrench or Socket
9/16" Wrench or Socket
Screwdriver
Pliers
Floor Jack/Lift
Jack Stands

77230991:
1- Dr/Pass Knuckles

5062.1:
1- Tacoma Front Drive shaft

77230992:
1- Front Crossmember
1- Rear Crossmember
1- 77230BAG1
1-Crossmember Badge
1– Tacoma Cam Bolt Bag

77230993:
1– Front Skid Plate
1- 77230BAG2

77231995:
2- Front Sway Bar Drop Brkt
1– Dr Front Upper Brake Line Brkt
1– Pass Front Upper Brake Line Brkt
2– Front Lower Brake Line Brkt
2– Rear UCA Relocation Brkt
1– Dr Rear Bump stop Brkt
1– Pass Rear Bump stop Brkt
1– Rear Trackbar Brkt
2– Rear Trackbar Shim
3– Rear Brake Line Brkt
2– Bump Stops
1– Rear Sway Bar Link Kit
1– Rear Trackbar Shim
3– Rear Axle Brake Line Brkt
1- 77230BAG3
1- 77230BAG4

681180:
2- M1 Reservoir Loaded Struts

770866RESP:
2- Rear M1 Monotube Reservoir Shocks

9470:
2- Rear Coil Springs

Bag Contents:

77230BAG1: Crossmember Bag
18mm-25 Lock Nut– 4
18mm Flat Washer– 8
18mm-2.5mm x 140mm –4
6mm-1.0 Nylock Nut – 2
6mm-1.0 x 20mm Hex – 2
14mm-1.50 Nylock Nut– 1

77230BAG2:
3/8-16 x 1.25 Hex Head Bolt– 4
3/8 Washer SAE– 6
3/8 Lock Washer– 6
3/8-16 Hex Nut– 2

77230BAG3:
3/8-16 x 1.25in Hex Head Bolt– 6
.4375-14 x 1.5 Hex Head Bolt– 4
.4375in Flat Washer– 8
.437-14 Nylock Nut– 4
.312-18 x .75in Hex Head Bolt– 9
.312-18 Flange Locknut– 9
.3125 Washer SAE– 9

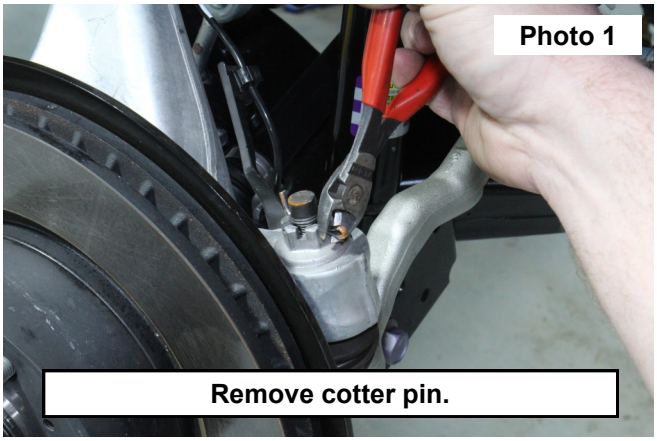
77230BAG4
10mm–1.25 x 35mm Hex Head– 3
10MM Flat Washer– 3
10mm-1.25 Serrated Flange Nut– 3
Upper Arm Spacer– 2
Up Control Arm Sleeve– 2
14mm-2.0 x 110mm– 2
14mm-2mm Nylock Nut– 3
9/16 Flat Washer SAE– 7
12mm-1.75 Flange Lock– 2
M12-1.75 x 35mm Hex Head Bolt– 2
12mm Flat Washer– 2
14mm-2.0 x 80mm Hex Head Bolt– 1
.563x.81x1.61 Sleeve

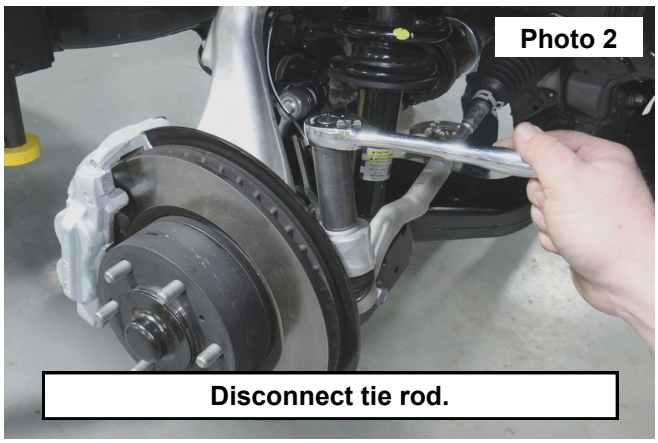
Torque Specs:

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

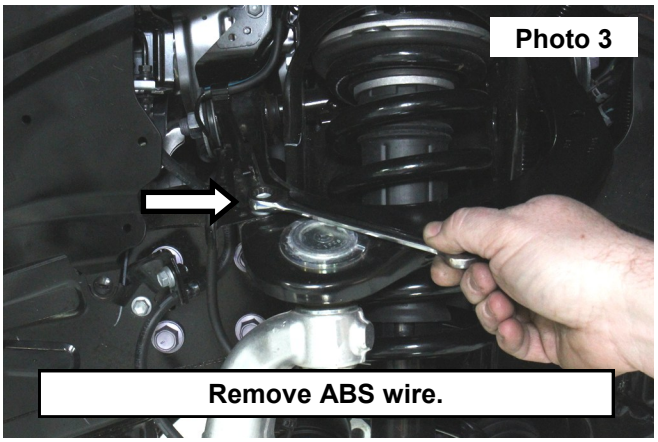

RC
RC
RC
ROUGH COUNTRY

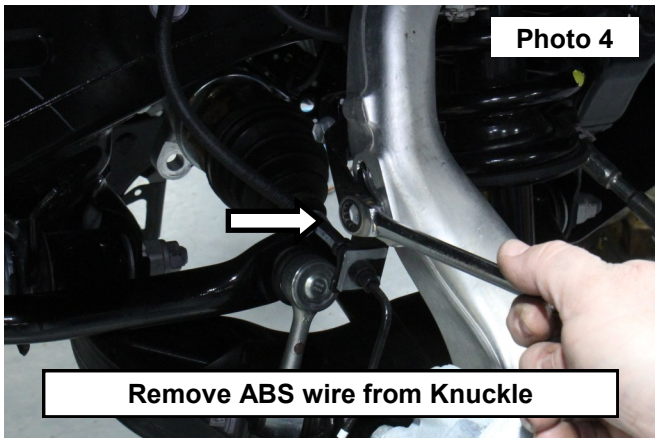
1. Raise the front of the vehicle and support the vehicle with jack stands. Ensure that the font wheels are off the ground.
2. Remove the front tires/wheels using a 21mm deep well socket.
3. Remove the cotter pin from the tie-rod end with a pair of pliers. Retain hardware for reuse. **See Photo 1.**
4. Loosen, but do not fully remove the castle nut with a 24mm socket. Strike the steering knuckle where the tie-rod end is with a hammer to release the taper. Finish removing the castle nut. Retain hardware for reuse. **See Photo 2.**



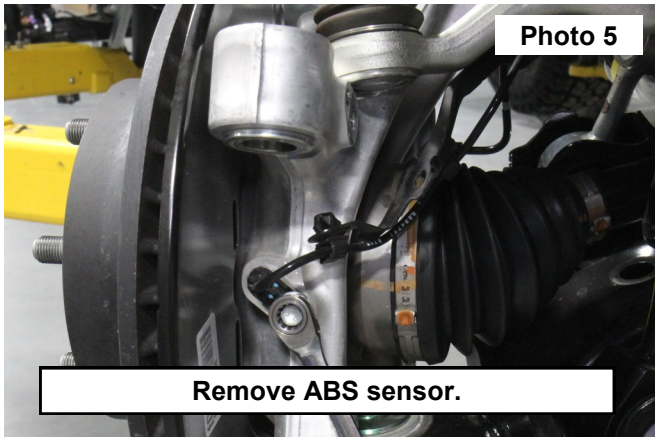


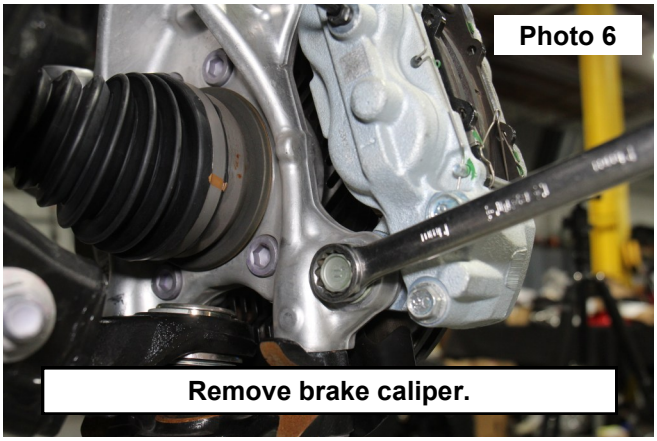
5. Remove the ABS wires from the upper control arm and steering knuckle using a 12mm wrench. Retain hardware for reuse. **See Photos 3 and Photo 4.**



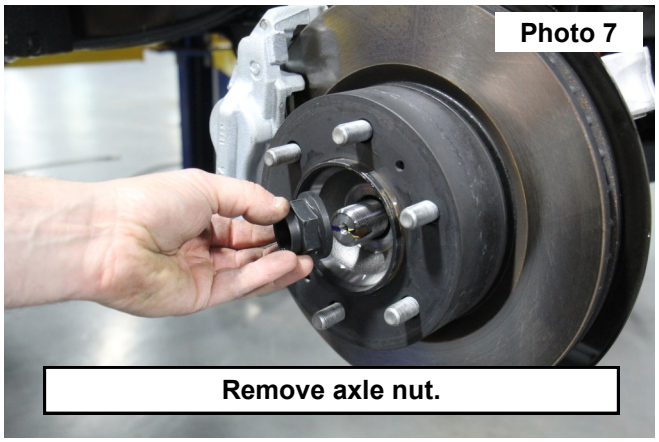


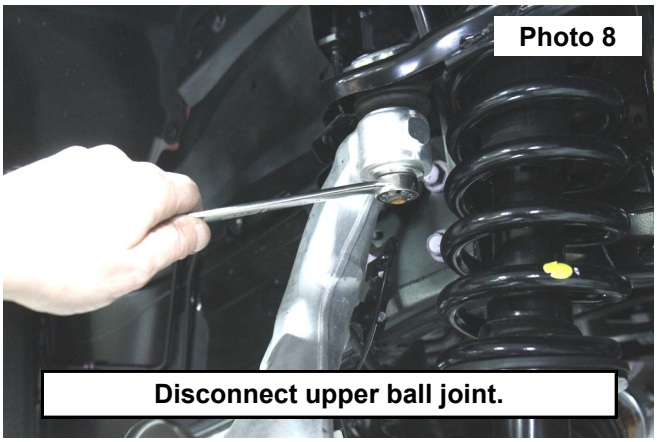
6. Remove ABS sensor from knuckle using a 10mm wrench. Retain hardware for reuse. **See Photo 5.**
7. Use a 19mm socket to remove the bolts holding the brake caliper to the knuckle. Hang brake caliper out of the way. Retain hardware for reuse. **See Photo 6**.



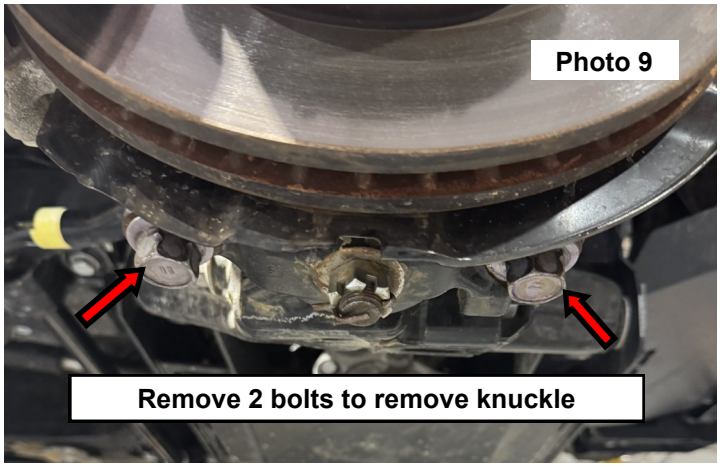


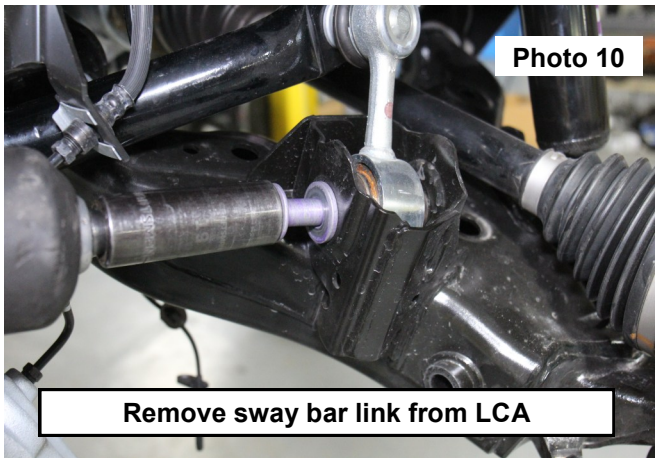
8. Remove the dust cover from the hub bearing with a pry tool and use a 36mm socket to remove the axle nut. Retain hardware for reuse. **See Photo 7.**
9. Remove the cotter pin from the upper ball joint nut and use a 19mm socket to loosen, but not remove the nut. Use a hammer to release the taper of the upper ball joint. Remove the nut. Retain hardware for reuse. **See Photo 8.**



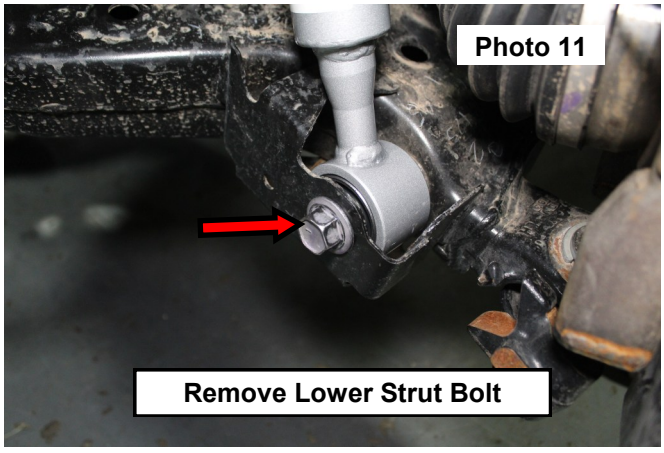


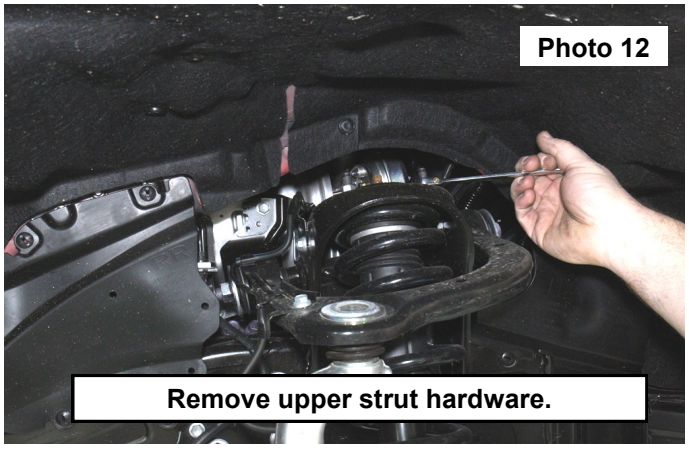
10. Use a 22mm socket to remove the two bolts from lower control arm to remove the lower ball joint housing. Remove knuckle. **See Photo 9**
11. Using a 19mm socket remove sway bar links from lower control arm. Retain hardware for reuse. **See Photo 10**



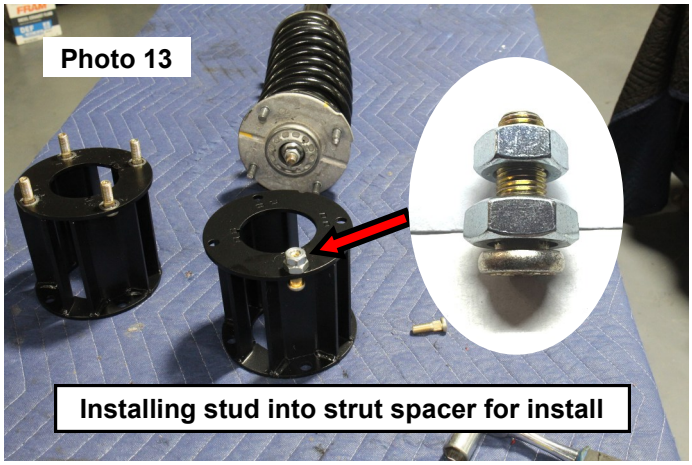


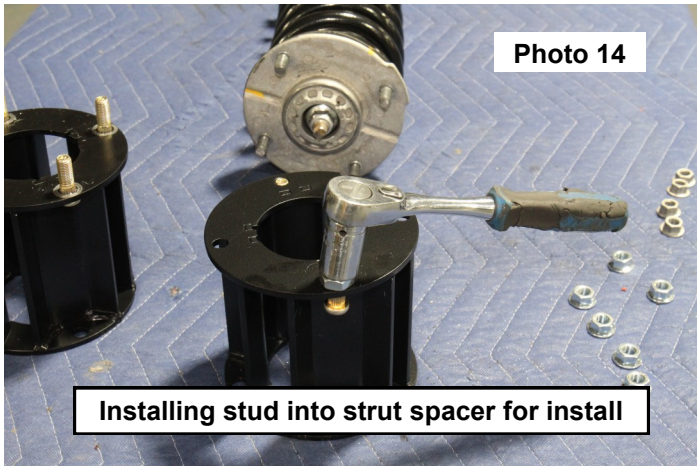
12. Remove lower strut bolt using a 22mm socket. Retain hardware for reuse. **See Photo 11**
13. Remove upper strut nuts using a 14mm wrench from the upper strut mount. Retain hardware for reuse. **See Photo 12**



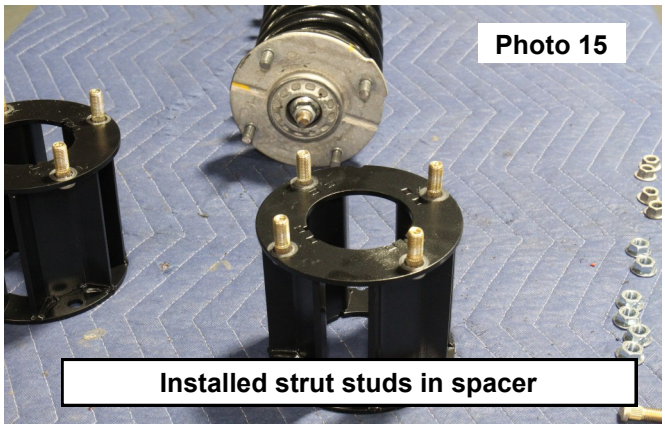


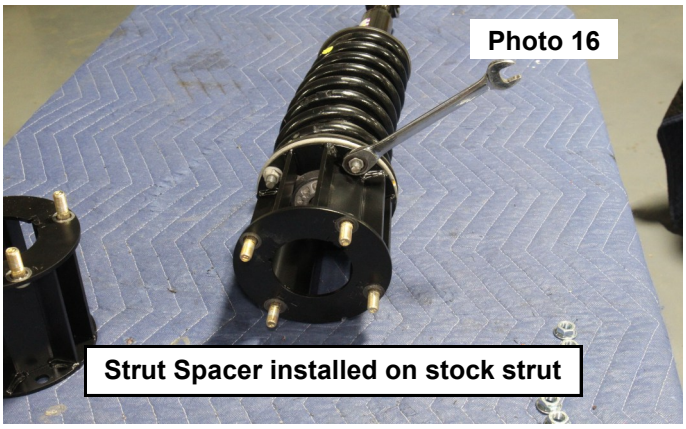
14. Remove strut and retain for strut spacer install. **If purchased <u>Lifted Strut Kit</u> stock struts can be disregarded.**
15. Once stock strut is removed, remove the lower control arm cam bolts using two 24mm socket/wrench and remove lower control arm and set aside for reinstall into new crossmembers.
16. Locate the two strut spacers and kit bag **72900Bag1** containing strut spacer studs and install hardware.
17. Four 10mm strut spacer studs, one M10-1.25 Hex nut, and one M10-1.25 Jam nut will be used to install studs into strut spacer. To install the studs into the strut spacer, insert the stud through the underside of the top of spacer, then place the .500-20 Hex nut onto stud then thread the M10-1.25 Jam nut onto stud. Using a 17mm socket tighten down the Jam nut to allow the stud to be pulled through the spacer holes. **See Photos 13 and Photo 14**



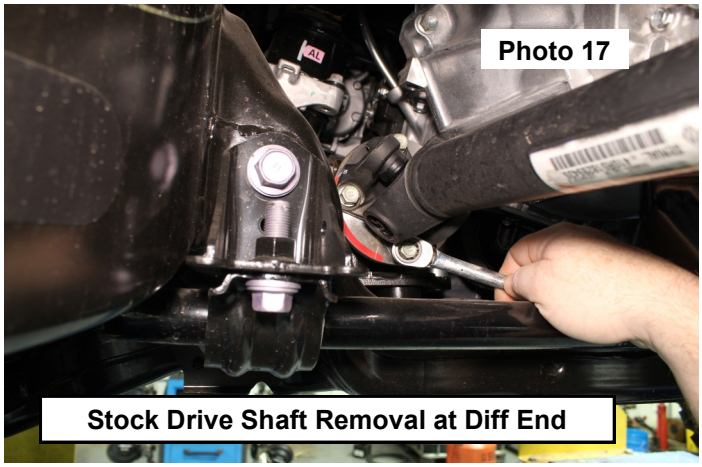


18. Once all strut spacer studs have been installed the spacer can be installed to the stock strut as seen in photo using stock hardware to attach using a 14mm socket. Set strut aside at this time it will be reinstalled later in the front end installation. **See Photos 15 and Photo 16**

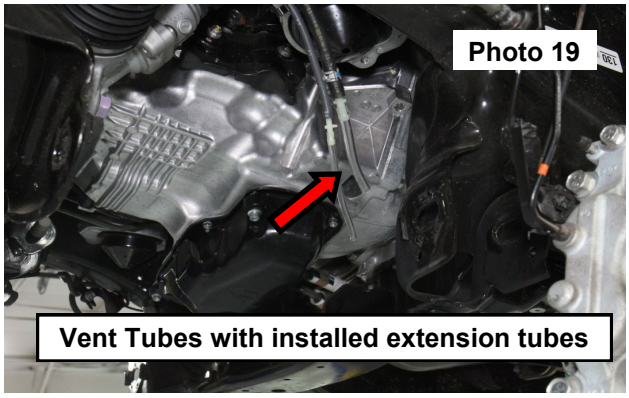


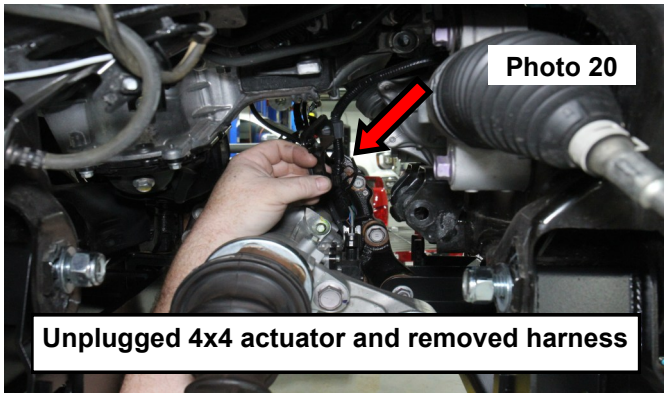


19. Remove the drive shaft by using a 14mm socket/wrench remove the four bolts holding drive shaft to front diff. and the four bolts connecting to transfer case. Retain stock hardware. Discard stock drive shaft at this time new kit supplied drive shaft will be used. **See Photos 17 and Photo 18**

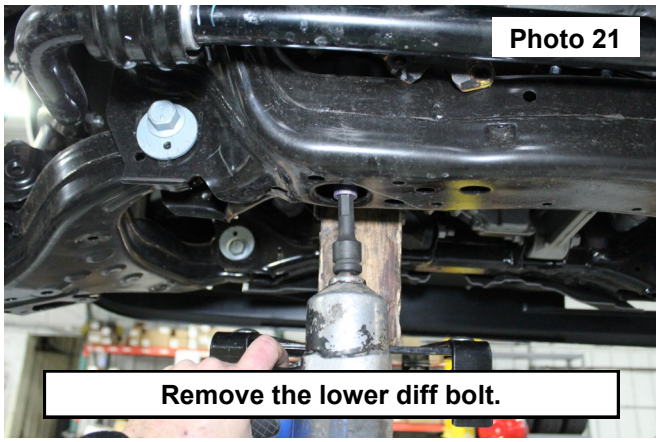


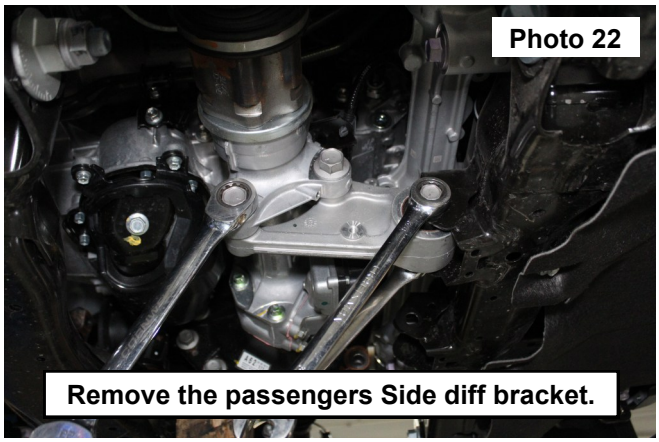
20. Remove the 2 vent tubes from diff and install the 2 clear 3/16 and 1/4 extension tubes with the kit provided hose barbs. Unplug 4x4 actuator, Use a 12mm socket to remove wiring harness bracket from diff on passenger side to allow for diff to be removed completely. **See Photos 19 and Photo 20**

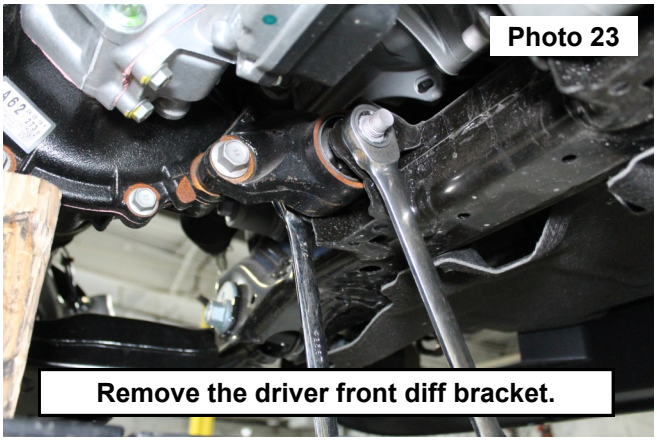




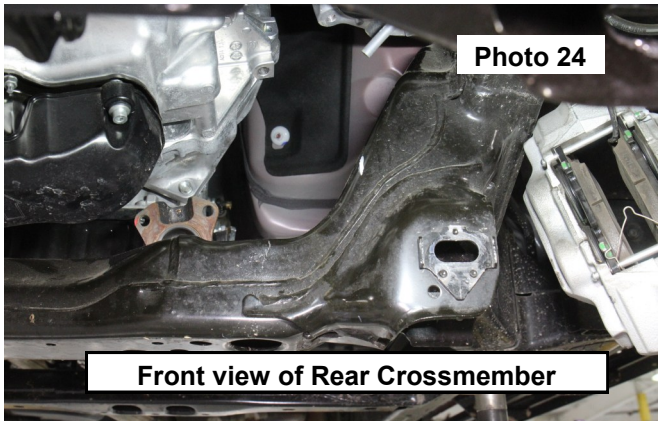
21. Use a 12mm Allen socket to remove rear diff bolt from rear crossmember stock mount. **See Photo 21**
22. Support diff and remove the two front diff bolts using a 19mm socket and wrench. Once diff is completely supported the diff can be moved out of way for reinstall into new crossmembers. **See Photos 22 and Photo 23**

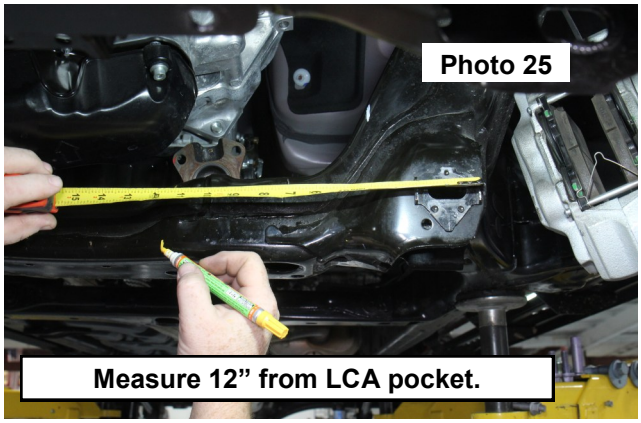




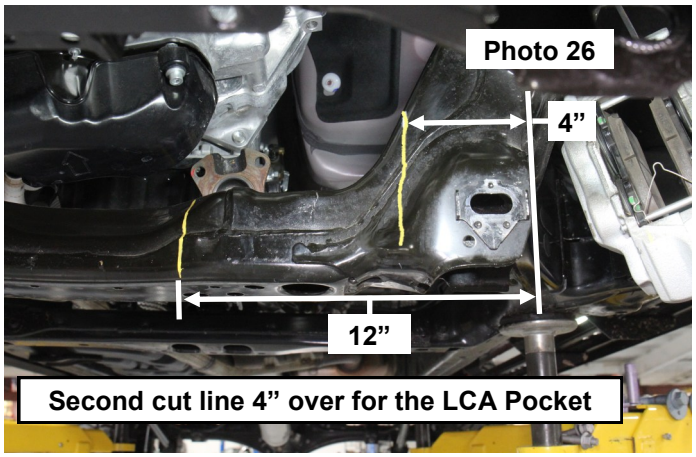


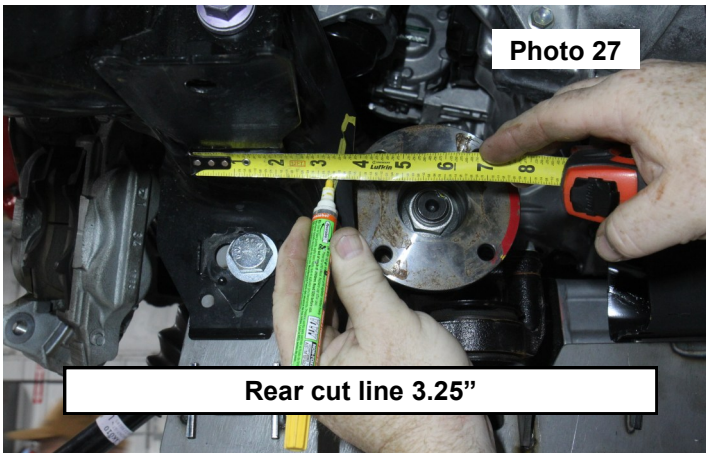
23. The **rear crossmember** has to be cut to allow for the install of the new kit supplied drive shaft and crossmembers. **See Photo 24**
24. On the front side of the rear crossmember (looking toward the rear of the truck) measure from outside edge of the lower control arm pocket to 12 inches. Mark the lines straight up/down and connect across the top. **See Photo 25**



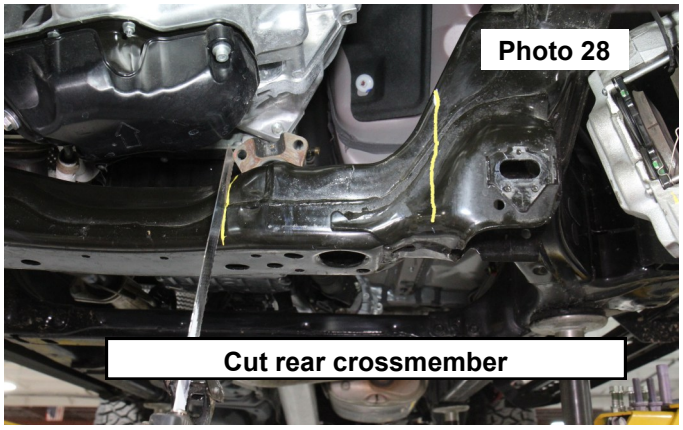


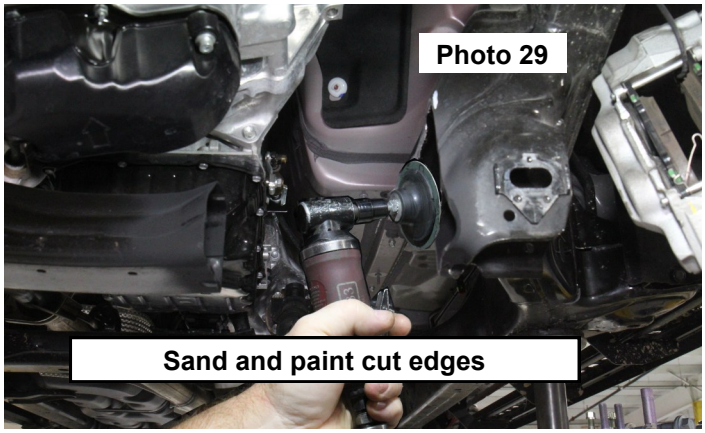
25. Now, measure 4 inches over from the outside edge of the control arm pocket and mark a line. Same outside edge as first marked cut line. **See Photo 26**
26. On the rear of the rear crossmember (looking toward the front of the truck) measure 3.25 inches from the outside edge of the flat where the sway bar mounts. **See Photo 27 (Crossmember in pic had been previously cut)**



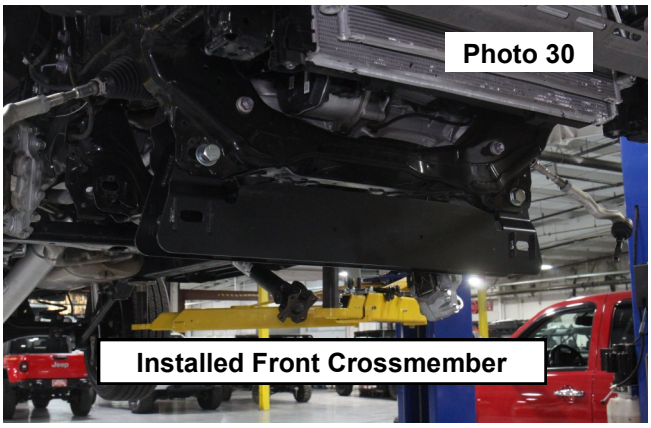


27. Using a reciprocating saw, cut along lines from previous steps. Additional cutting and trimming may be required to allow for drive shaft clearance. **See Photo 28**
28. Sand and paint all cut edges to prevent rust. **See Photo 29**

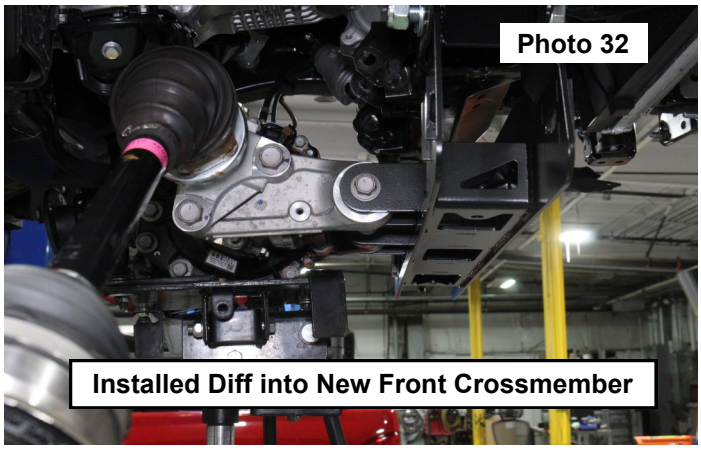


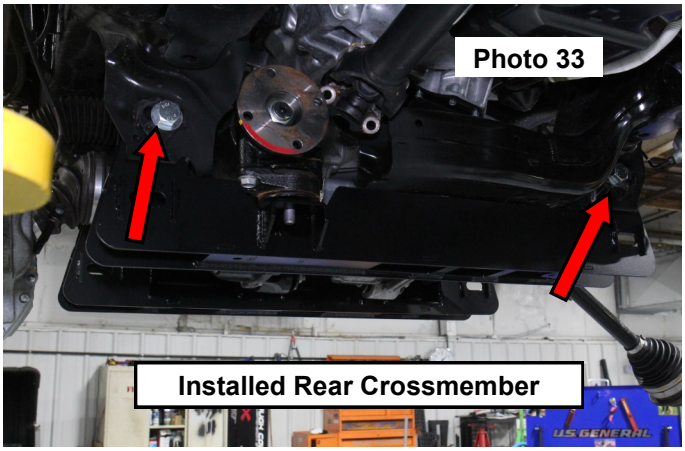


29. Install front crossmember using the supplied 18mm x130mm bolts x2, 18mm flat washer x4, 18mm-2.5 nuts x2 in the lower crossmember stock mounting location. Do not tighten at this time. **See Photos 30 and 31**

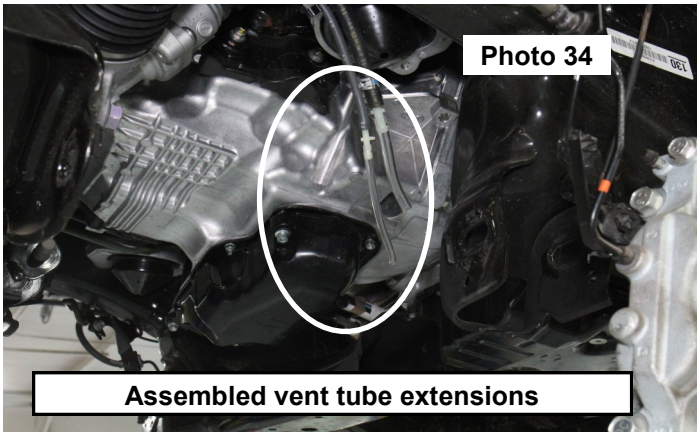


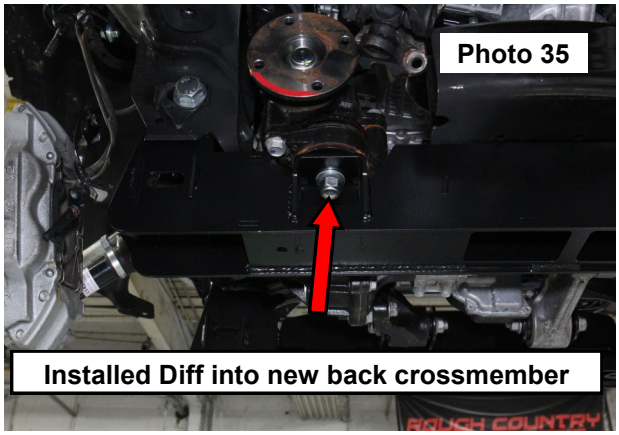
30. Install diff back into vehicle using stock diff bolts to front crossmember using a 19mm socket/wrench. Continue to Support diff at this time. **See Photo 32**
31. Install rear crossmember using the supplied bolts 90506151 2x–18mm-25x130mm bolt, 4x 18mm flat washers (nuts 2x-18mm-2.5mm lock nut, use 1 1/16" socket/wrench to tighten. Do not tighten at this time. Make sure drive shaft yoke clears the frame were the cut was made. More trimming could be required. **See Photo 33**



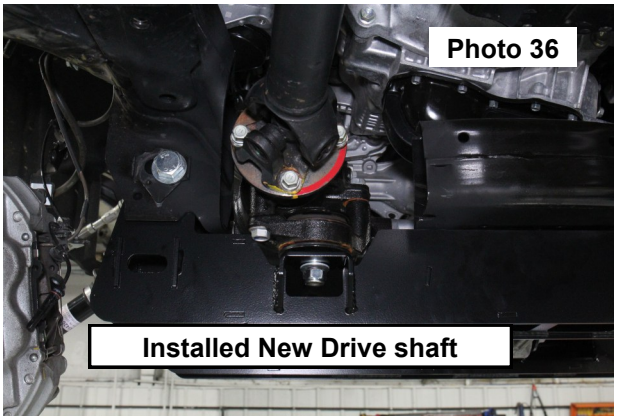


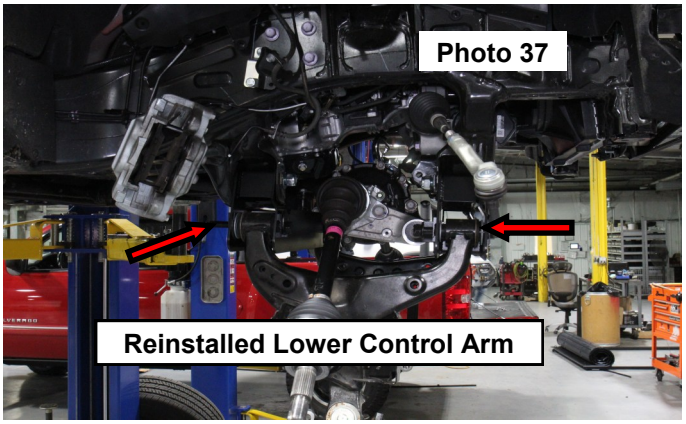
32. Reconnect previously assembled vent tube extensions back into the diff and plug in 4x4 actuator at this time. **See Photo 34**
33. Install rear of diff to rear crossmember using 1- M14-1.50mm lock nut and 1x .5625 washer. Use a 22mm socket/ wrench to tighten. Do not tighten at this time. **See Photo 35**



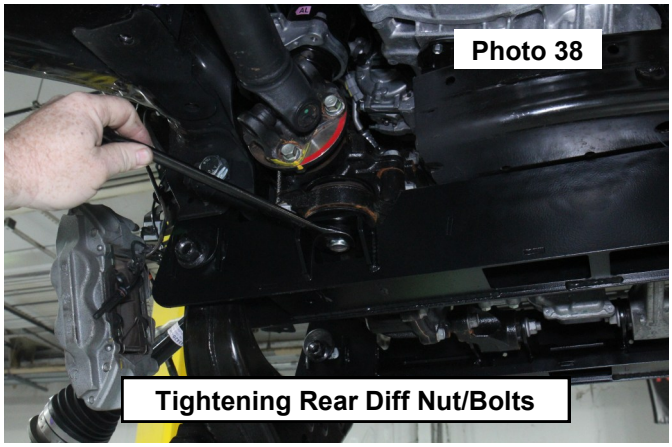


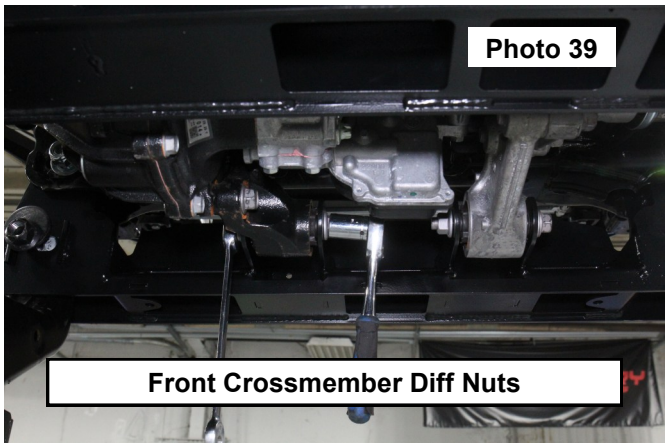
34. Install new kit provided drive shaft using stock hardware without the stock washer using a 14mm to tighten. Use thread locker on all bolts prior to drive shaft installation. **See Photo 36**
35. Reinstall lower control arms using the supplied cam bolts into new kit supplied crossmembers using 2-18mm-2.5mmx 140mm long, 4x 18mm flat washers, and 2- 18mm-2.5mm lock nut using a 1 1/16" socket/wrench. **See Photo 37**

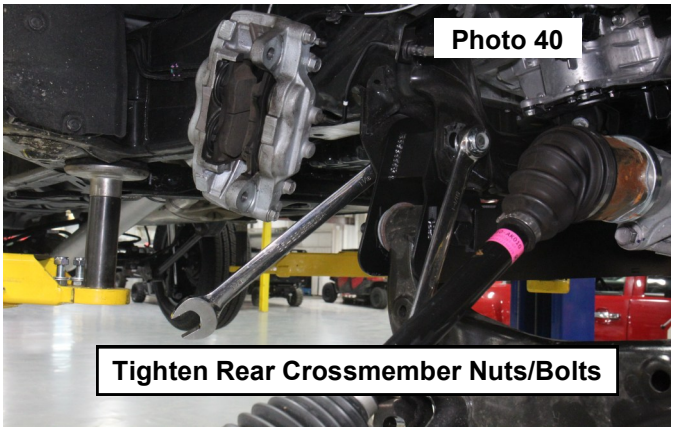


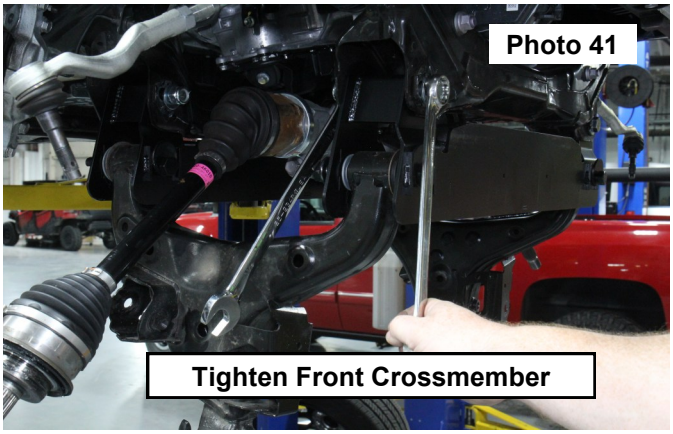


36. Tighten all diff bolts and crossmember bolts and this time. 1 1/16 for crossmember bolts and 19mm for front diff bolts and 22mm for rear diff nut. **See Photos 38, 39, 40 and 41**

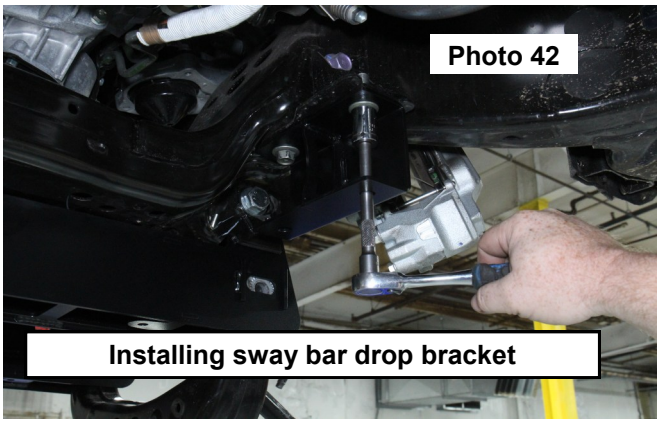


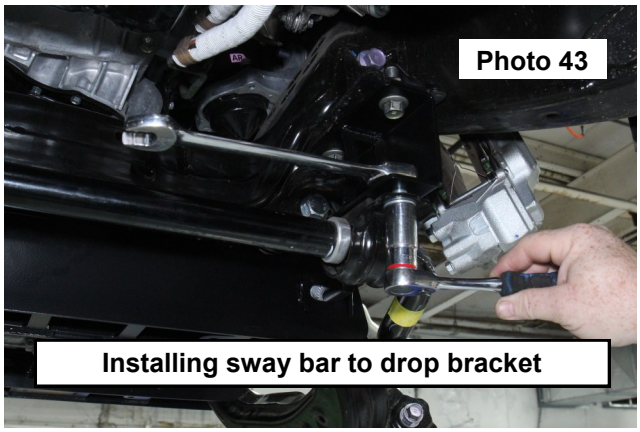




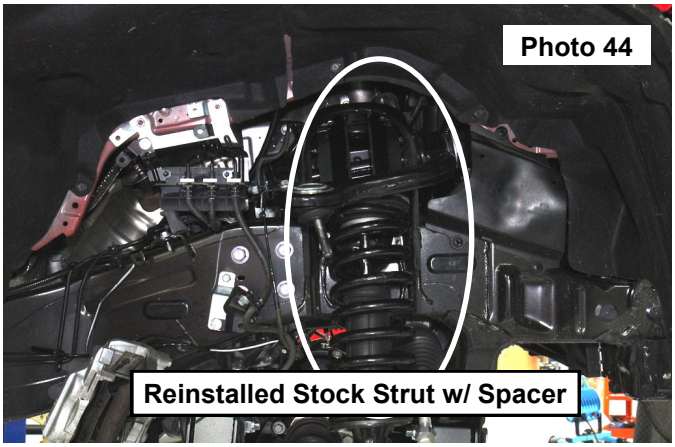


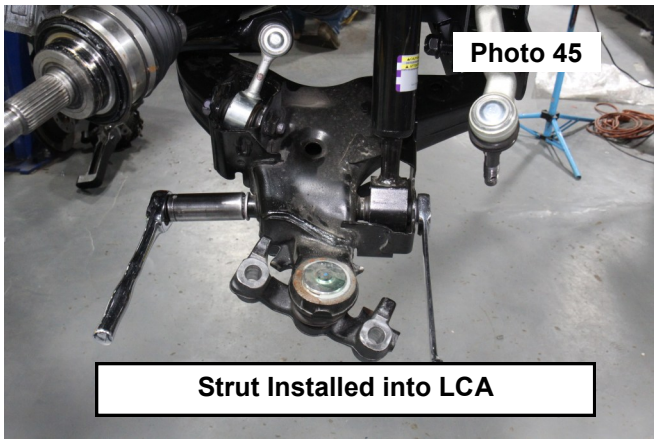
37. Remove sway bar from frame mount and install the new kit supplied sway bar drop bracket using stock bolts. Use a 19mm wrench to tighten. **See Photo 42**
38. Install sway bar to the drop brackets using the new kit supplied hardware; 4-14mm–1.5x 30mm bolts, 8-.5625 washers, 4- M14-1.50 Locknuts. Do not tighten at this time. Install sway bar link into lower control arm using stock bolts. **See Photo 43**



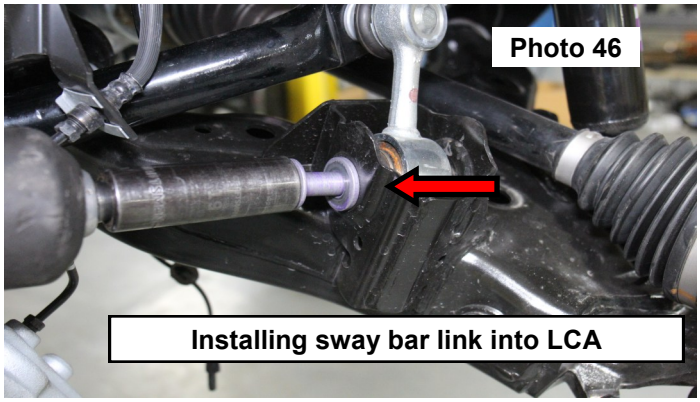


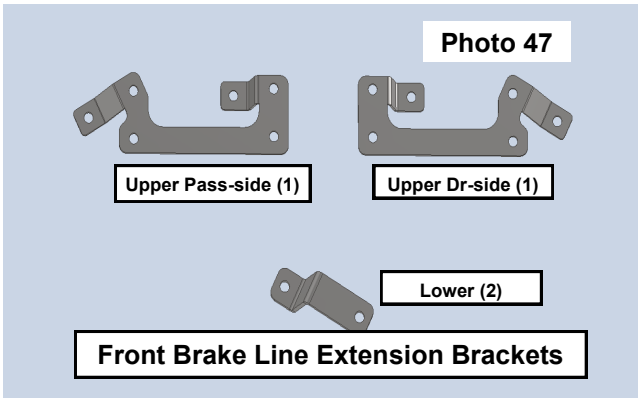
39. Install strut with assembled spacer back onto vehicle at this time using supplied 10mm hardware. Use a 14mm wrench to tighten. If purchased kit with lifted strut it can be installed at this step as well. **See Photo 44**
40. Install strut onto lower control arm using stock bolt. Use a 22mm to tighten. **See Photo 45**



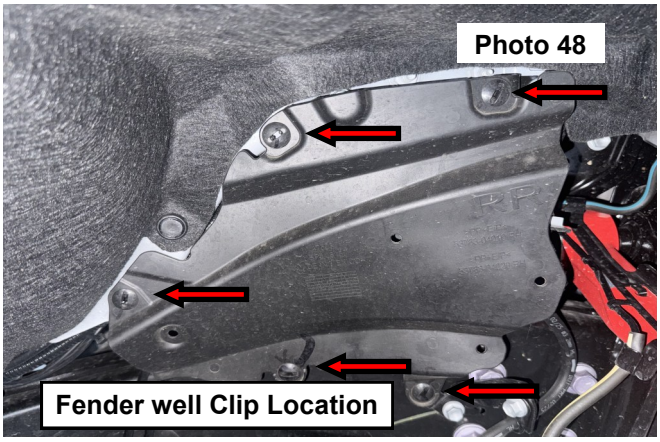


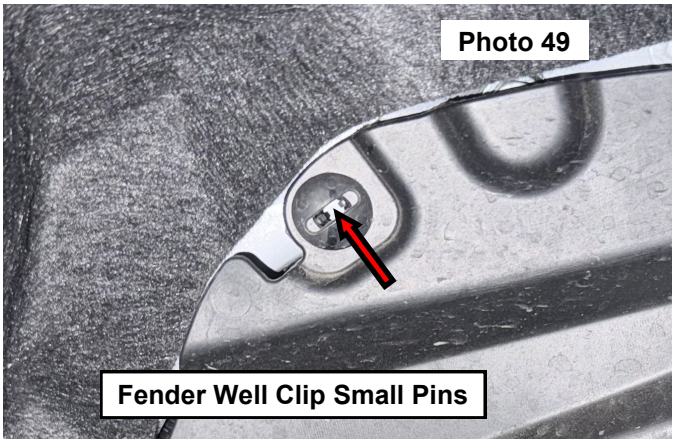
41. Use a 19mm socket to tighten sway bar link back into LCA sway-link mount. **See Photo 46**
42. This kit requires the installation of front brake line relocation brackets. The brake line relocation brackets are side specific other than the (2) lower relocation brackets and zinc in color. Locate and identify the Upper Driver Side, Upper Passenger Side and the 2 lower side. **See Photo 47**



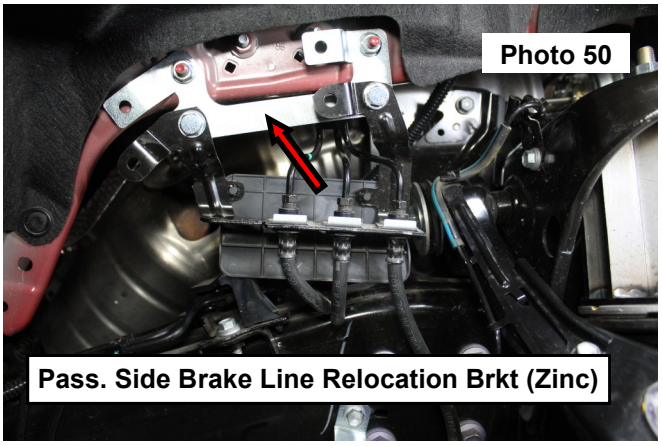


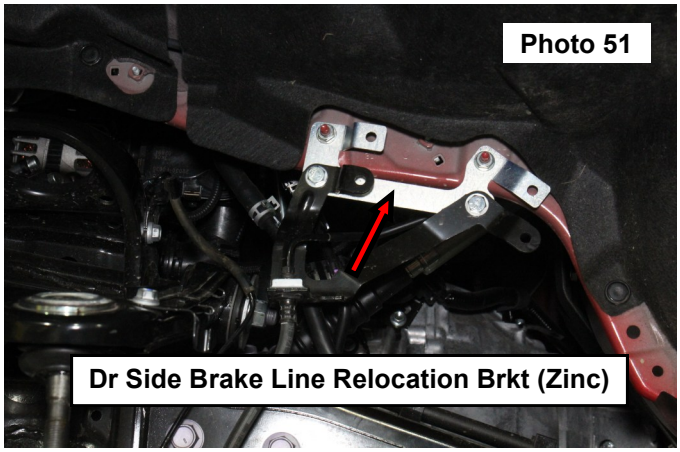
43. In the front fender wells of the vehicle locate and remove the upper brake line harness cover. 6 fender well clips will need to be removed for access. To Remove the clip the 2 small pins need to be pressed together and pulled to release pin. **See Photos 48 and 49**



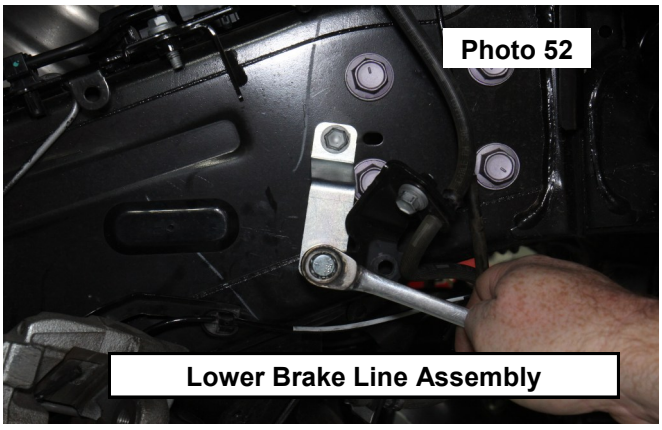


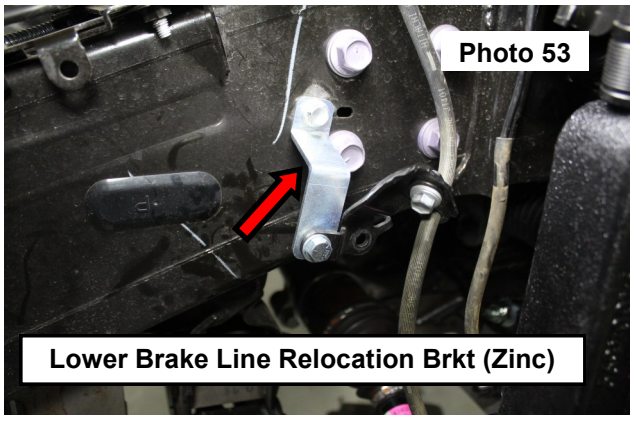
44. Once access to the brake line harness is established remove the 2 stock nuts from the stock brake line harness studs using a 12mm socket/wrench. Retain for reuse. Once stock brake line harness is free assemble the Upper brake line relocation bracket to stock harness as seen in Photos using 2-.312-18.75 hex head bolt, 2-.3125 washer, and 2-.312-18 Locknut per vehicle side. Hardware can be located in kit bag **77230Bag3.** A 13mm socket/wrench will be used for new hardware assembly. Once assembled the new relocation bracket will be mounted back to the stock stud locations using the retained stock nuts. **See Photos 50 and 51**



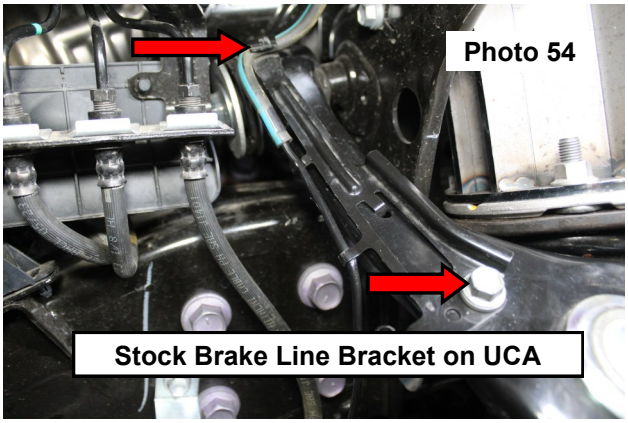


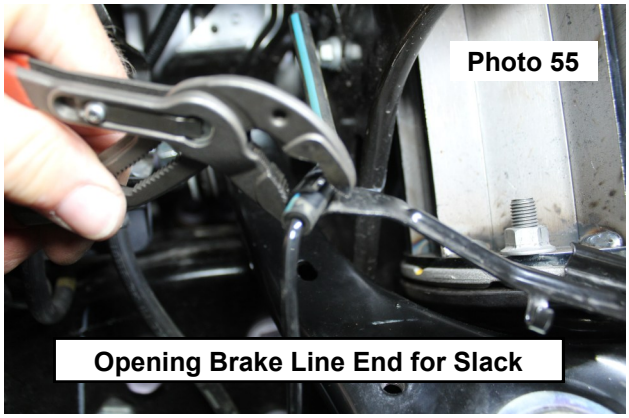
45. The lower brake line relocation can be found behind the upper part of vehicle knuckle or traced down from the upper brake line harness. Stock bolt will be removed by using a 12mm socket/wrench, retain stock hardware. Assemble new brake line relocation bracket to stock bracket using 1-.312-18.75 hex head bolt, 1-.3125 washer, and 1-312-18 Locknut per vehicle side. New hardware can be located in kit bag **77230Bag3.** A 13mm socket/wrench will be used for assembly of new hardware to stock bracket. Reinstall the new brake line drop bracket to stock mounting hole using the stock retained hardware. **See Photos 52 and 53**



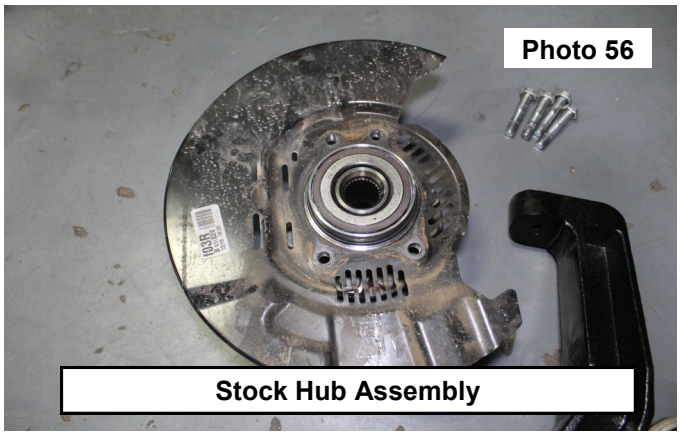


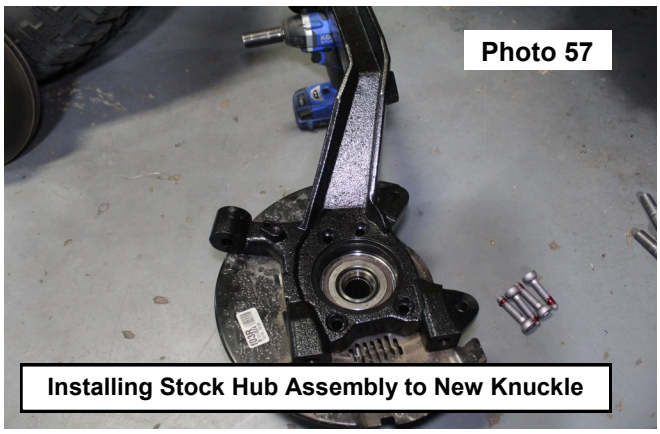
46. Slack must be given to the brake line that is connected to the knuckle. The stock brake line bracket that can be found on top of the upper control arm closest to the upper brake line harness and can be removed by removing 1 bolt using a 12mm socket wrench, retain bolt. Once removed a pair of pliers can be used to bend open the end that is holding brake line so slack can be pulled towards the knuckle (down). 1-2 inches is all the slack that is recommended and the end can be clamped back securing the brake line. Reinstall brake line bracket to UCA using the retained stock bolt. **See Photos 54 and 5**



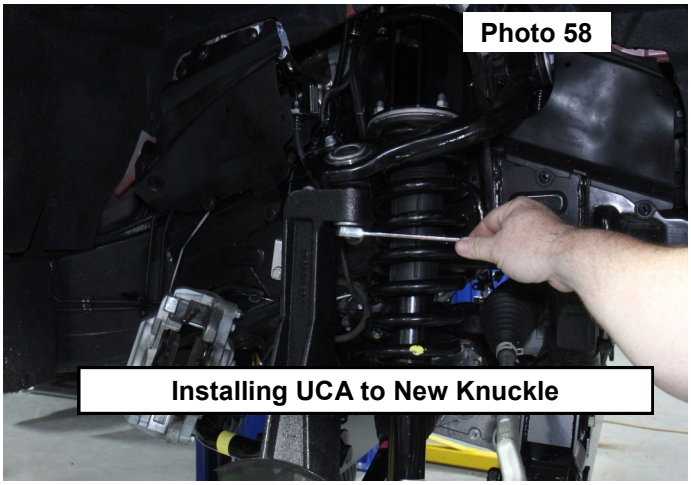


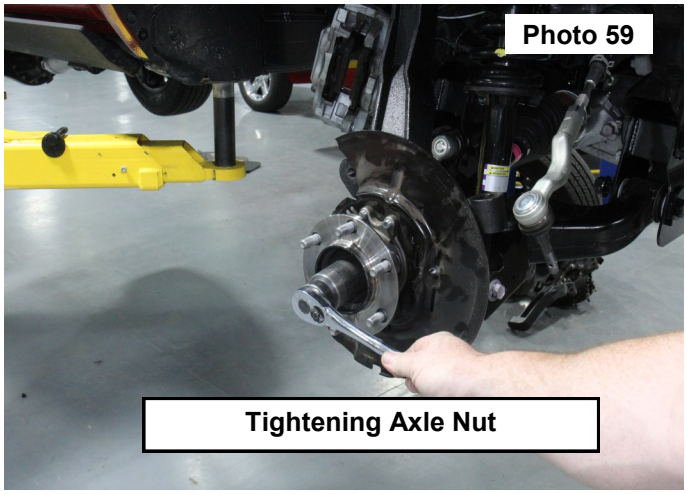
47. If haven't performed prior remove wheel hub, dust shield and seal from stock knuckle using a 12mm Allen socket, retain stock hardware. Install hub bearing, dust shield and seal on to new kit supplied knuckle using stock hardware and 4 stock bolts with tread locker using a 12mm Allen socket to assemble. **See Photos 56 and 57**

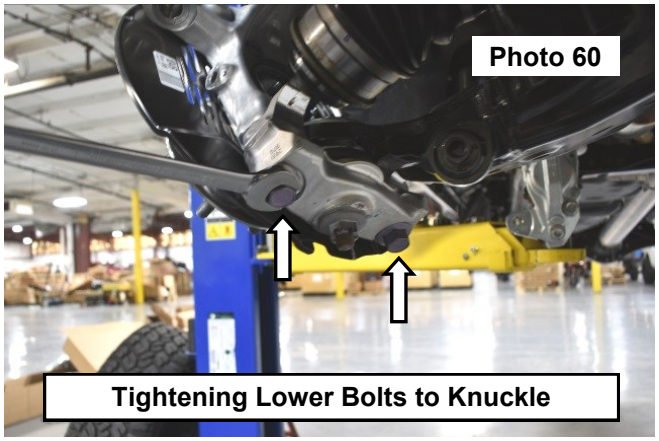




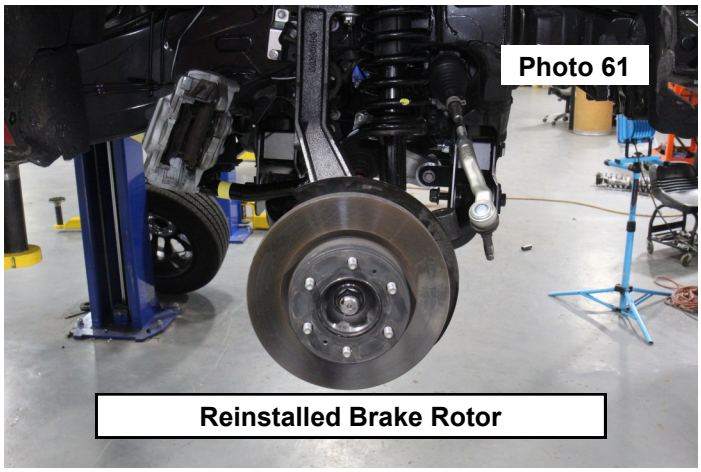
48. Install knuckle onto vehicle using stock hardware. Use a 22mm socket to tighten lower bolts and a 19mm wrench for upper ball joint. Use a 36mm socket for axle nut and reinstall the dust cap. **See Photos 58, 59, and 60**

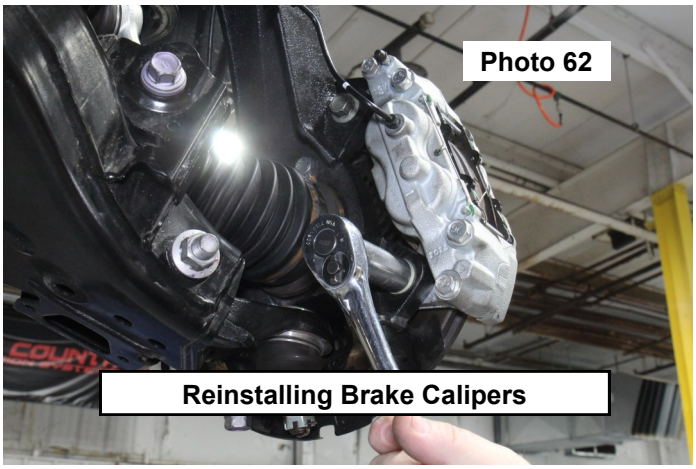




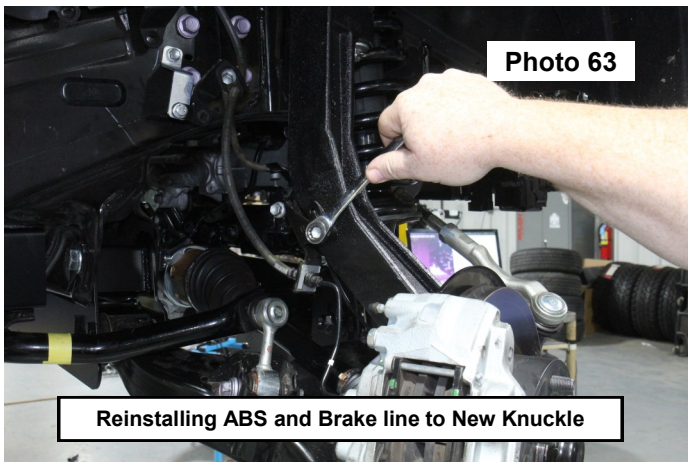


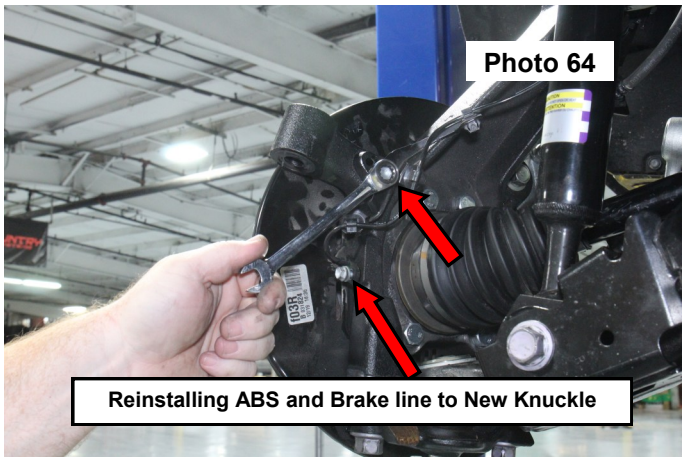
49. Reinstall brake rotors and brake caliper using stock hardware to new knuckle. Use a 19mm socket to tighten. **See Photos 61 and 62**



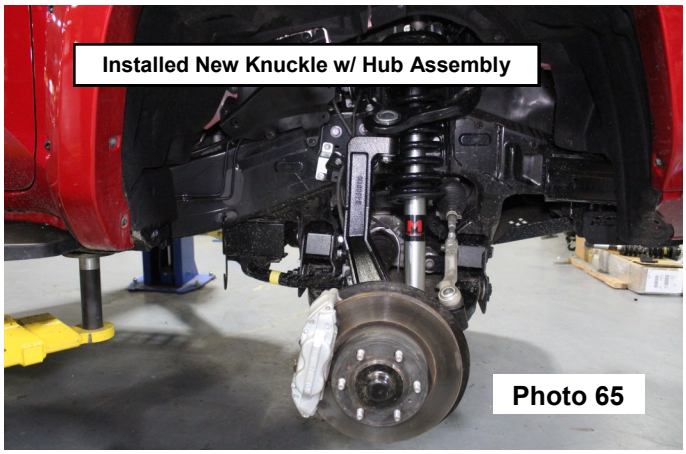


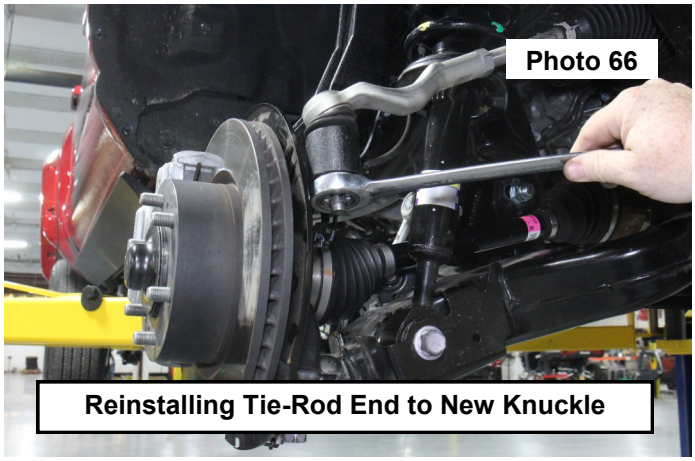
50. Reinstall brake line and ABS wire to knuckle using stock hardware. Use a 10mm and 12mm wrenches for bolts. **See Photos 63 and 64**



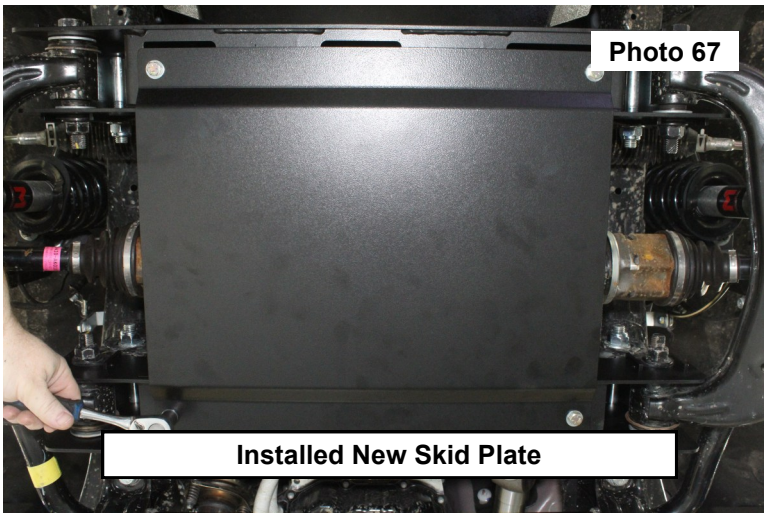


51. Completed new knuckle/hub assembly. **See Photo 65**
52. Reinstall tie-rod end using stock hardware and a 24mm wrench. **See Photo 66**



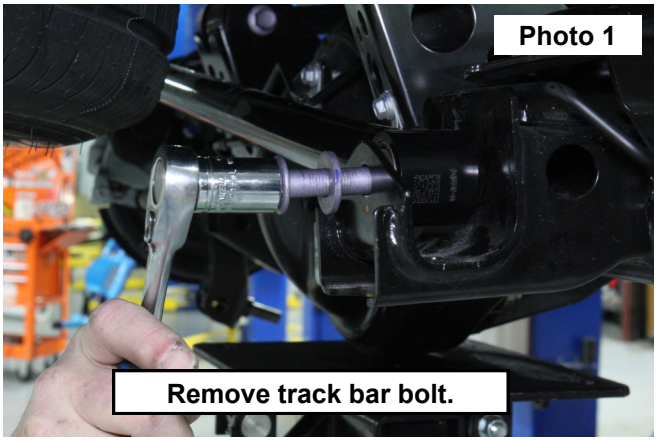


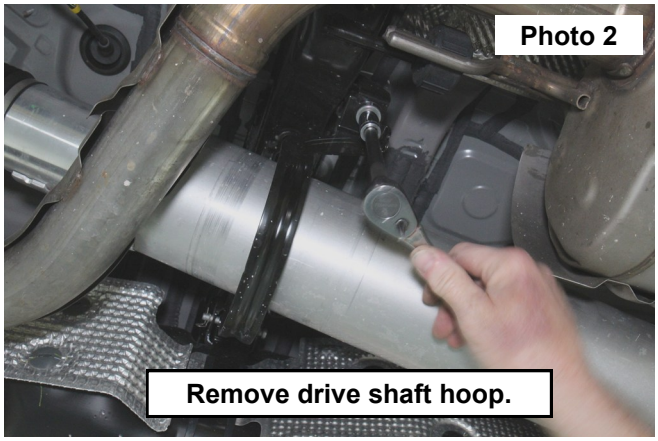
53. At this time the LCA nuts and bolts can be tightened at this time using a 24 mm socket/wrench.
54. Install new kit supplied skid plate using 9/16 wrench/socket for 4x– .375-16x125 skid plate bolts and 4x .375in washer found in kit bag **77230Bag2. See Photo 67**



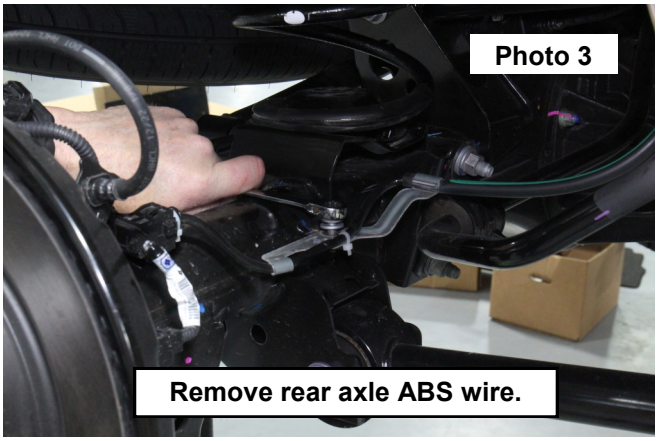
REAR INSTALLATION INSTRUCTIONS

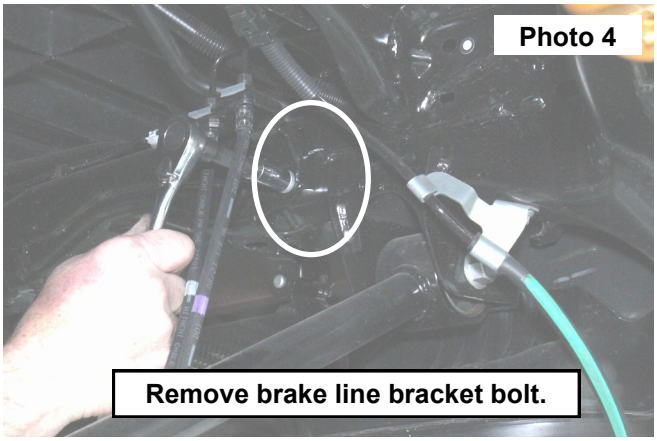
1. Raise the rear of the vehicle and support with jack stands, so that the rear wheels are off the ground.
2. Remove the rear tires/wheels using a 21mm deep well socket.
3. Remove the rear track bar bolt with a 19mm socket. Retain hardware for reuse. **See Photo 1**
4. Use a 14mm socket to remove the rear drive shaft hoop. Retain hardware for reuse. **See Photo 2**



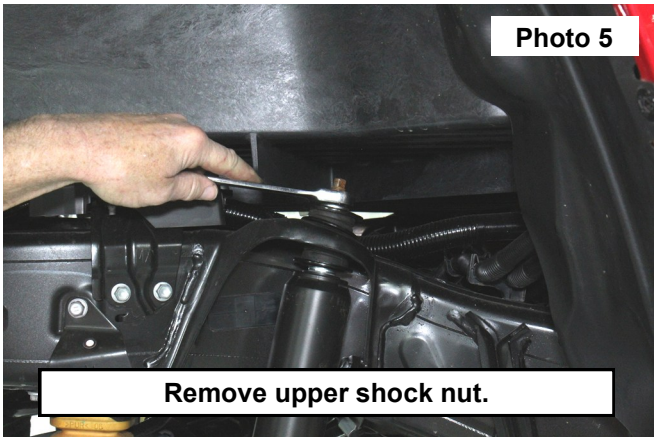


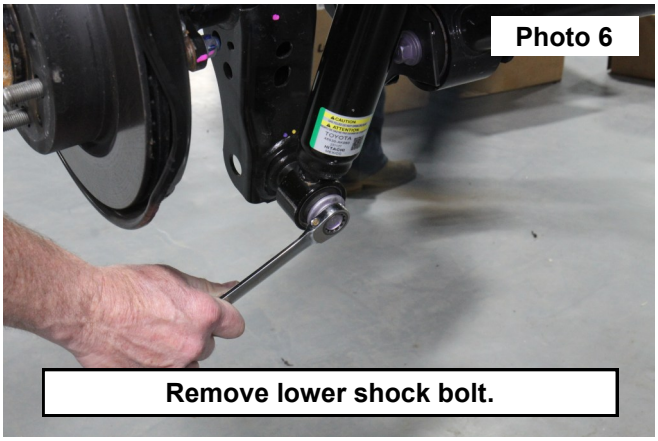
5. Using a 12mm socket remove the ABS and emergency brake line from the rear axle and the two flexible brake lines from frame above the gas tank. Retain stock hardware for reuse. **See Photos 3 and 4**



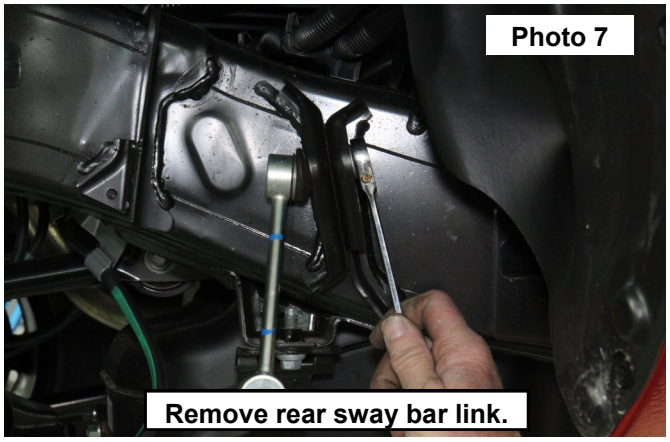


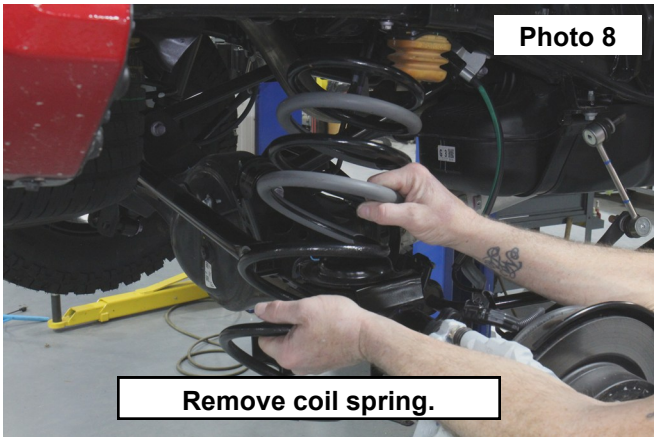
6. Use a pair of pliers to prevent the rear shock from turning. Remove the upper shock nut with a 19mm wrench. **See Photo 5**
7. Remove the lower shock bolt using a 17mm socket/wrench. **See Photo 6**



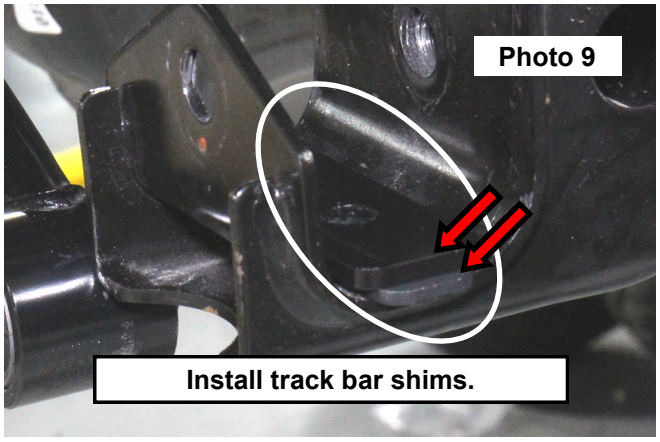


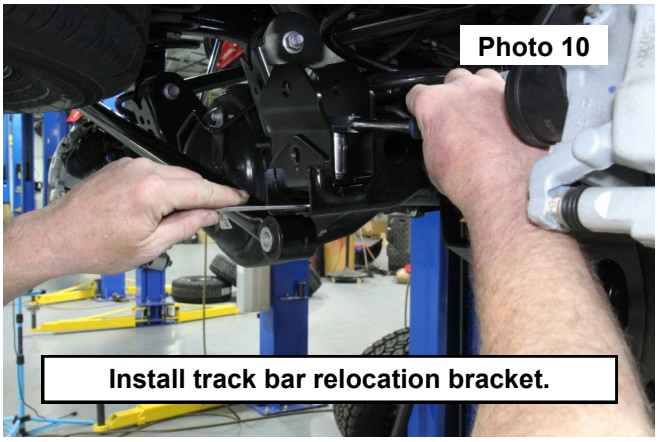
8. Remove rear sway bar link from the frame using a 17mmwrench/socket. Retain hardware for reuse. **See Photo 7**
9. Lower the axle and remove the rear coil spring. Retain stock coil spring. **See Photo 8**



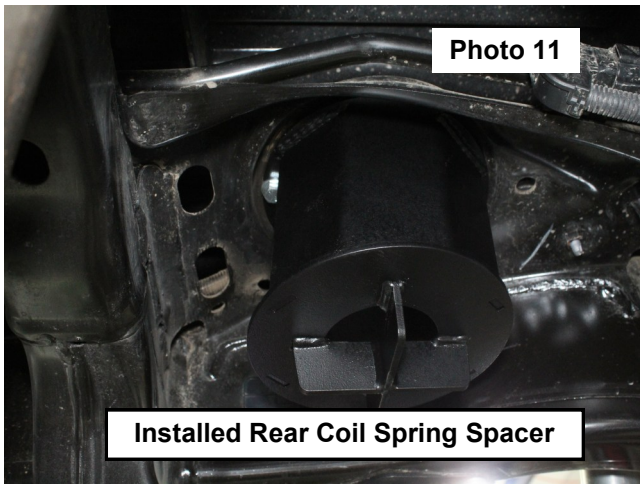


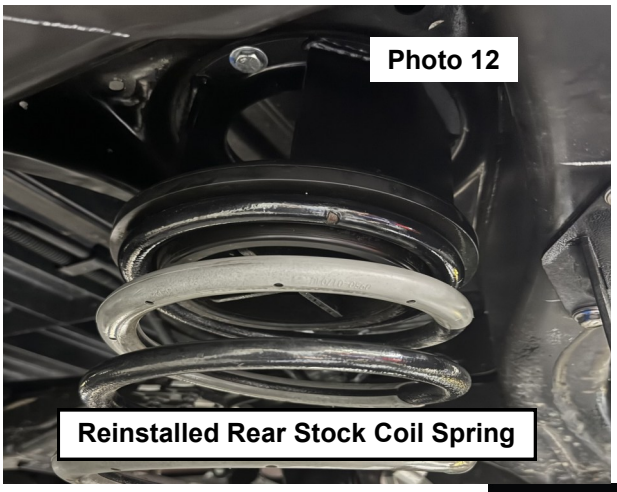
10. Install upper control arm brackets using the kit supplied hardware.
11. Place the two track bar shims in the factory track bar mount. The narrow shim will be placed underneath the wider shim. **See Photo 9.**
12. Place track bar relocation bracket on top of the two shims. Slide supplied 10mm flange nut underneath the bracket. Place supplied 10mm flat washer on top of the relocation bracket. Slide the supplied 10mm x 35mm bolt through the relocation bracket and two shims and tighten the hardware with a 16mm wrench and socket. **See Photo 10.**



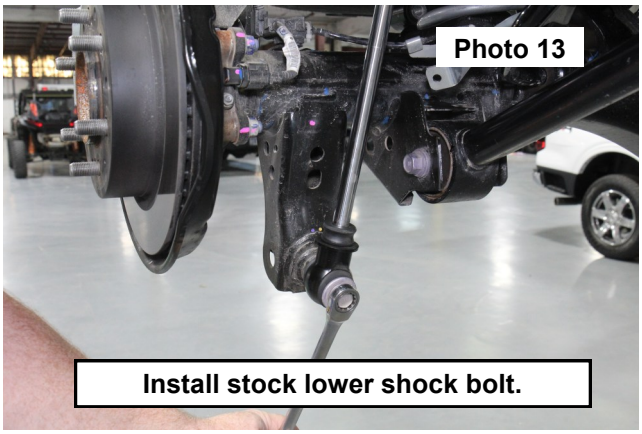


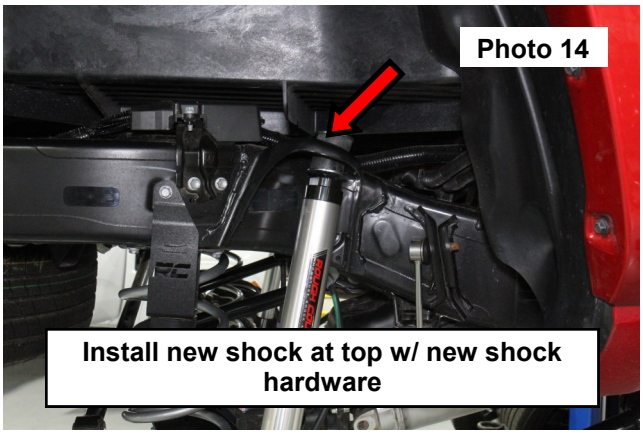
13. Install the supplied 3/8” x 1” bolt and 3/8” washer into the small hole in the frame where the coil spring was located. Align the rear coil spring spacer with the bolt that was previously installed and secure the spacer with the supplied 3/8” flanged lock nut. Tighten with a 9/16’ wrench and socket. **See Photo 11**
14. Reinstall factory coil spring to coil spring spacer. **See Photo 12**



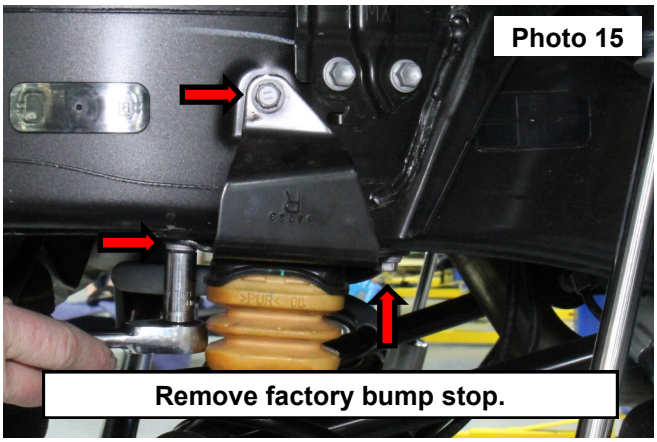


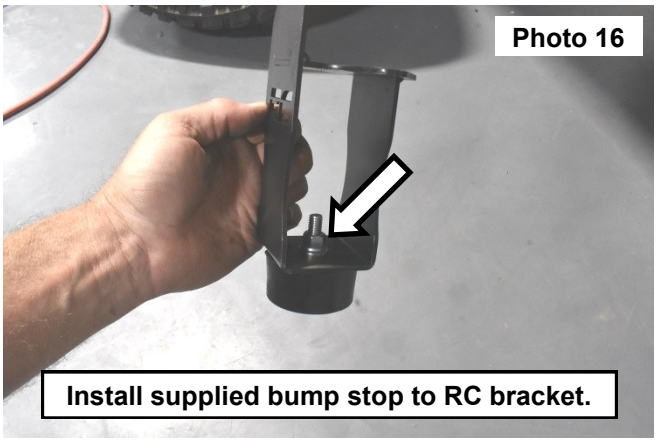
15. Install new shocks with stock hardware on bottom and supplied hardware on top. Use a 17mm wrench to tighten. **See Photo 13 and Photo 14**



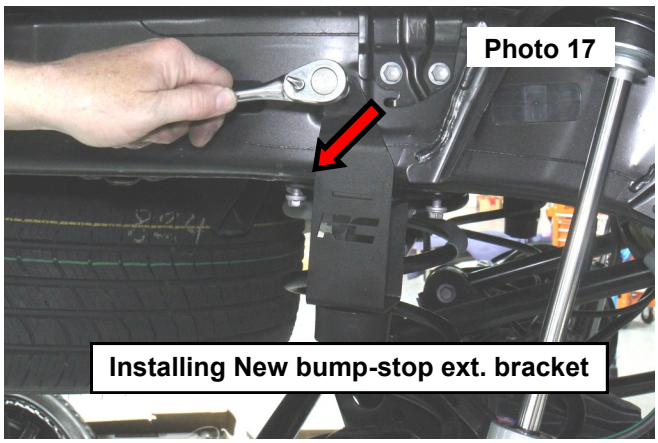


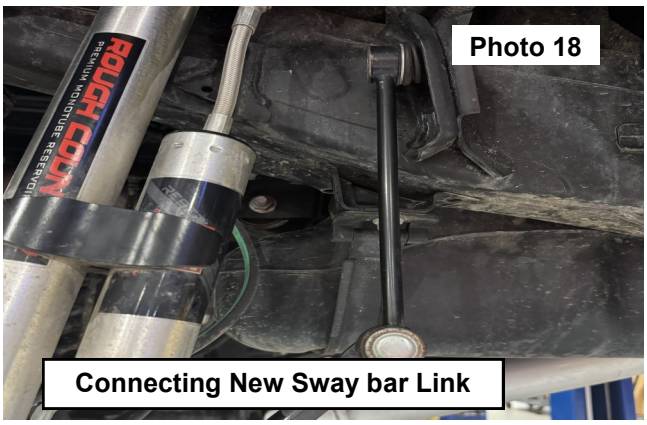
16. Remove the three bolts holding the factory bump stop with a 12mm wrench. Retain stock hardware. **See Photo 15**
17. Install the supplied bump stops to the RC bump stop bracket with the supplied 3/8" flat washer, lock washer, and nut. Tighten with a 9/16" wrench. Install new rear bump stop with factory hardware. Tighten with a 12mm wrench. **See Photos 16 and 17**



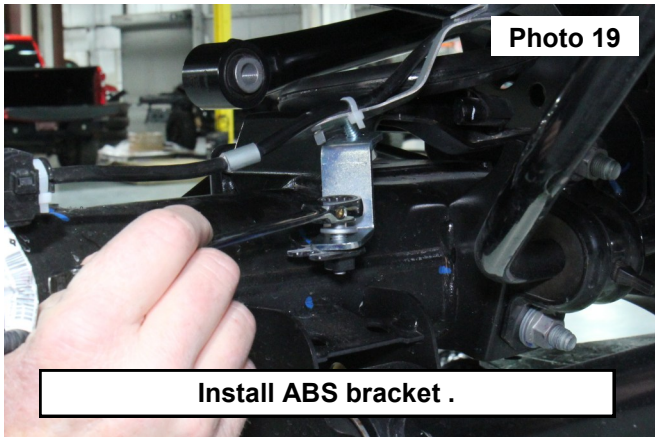


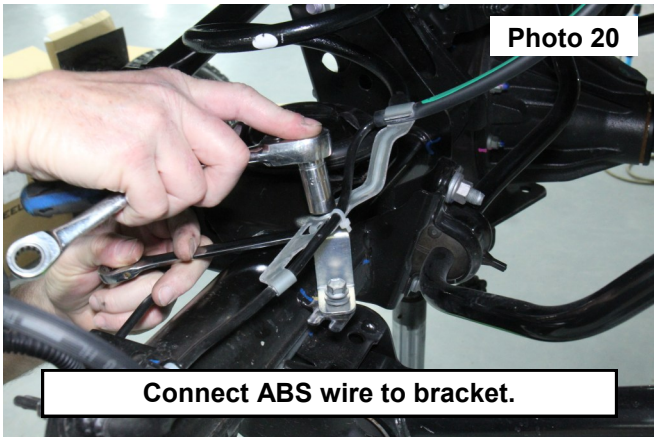
18. Install new kit provided sway bar link using a 12mm x 35mm bolts, washers, and nuts using both a 18mm and 19mm wrenches to tighten. Connect stock link to extension using factory nut and a 17mm to tighten**. See Photo 18**



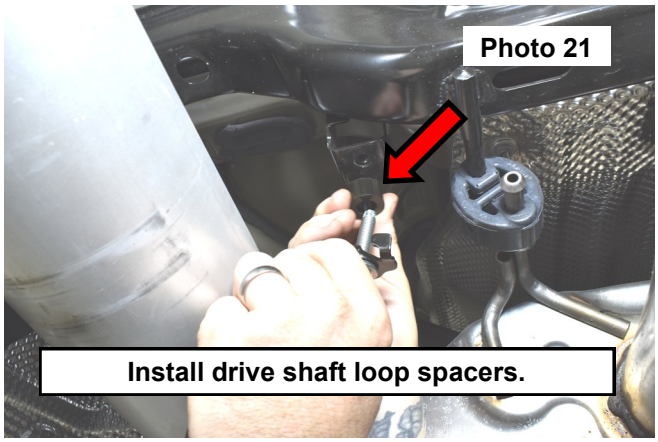


19. Install new ABS line and brake line brackets using supplied 5/16 bolts and stock hardware. Use 12mm wrench/ socket for stock bolts and 13mm wrench/socket for kit supplied bolts. **See Photos 19 and 20**





20. Install drive shaft hoop spacers using 14mm wrench/socket . **See Photo 21**
21. Put on wheels tires at this time and lower to ground.
22. Lower vehicle to ground and install track bar using kit supplied bolts and a 22mm wrench/socket in new track bar bracket.



POST INSTALLATION

1. Check and recheck all fasteners for proper torque. Check to ensure there is adequate clearance between all rotating, mobile, fixed and heated members. Check clearance between upper control arm and sidewall of tire for proper clearance. Check steering for interference and proper working order. Test brake system.
2. Perform steering sweep. Cycle the steering from full turn to full turn to check for clearance. Failure to perform inspections may result in component failure.
3. Have vehicle aligned to factory specifications.
4. Re torque all fasteners after 500 miles. Visually inspect components and re torque fasteners during routine vehicle service.
5. Adjust headlights to proper settings given increased vehicle height.

MAINTENANCE INFORMATION

It is the ultimate buyers responsibility to have all bolts/nuts checked for tightness after the first 500 miles and then every 1000 miles. Wheel alignment steering system, suspension and driveline systems must be inspected by a qualified professional mechanic at least every 3000 miles.