2024-2026 Tacoma SR Rear Leaf Spring Drop 3.5 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 disassemble/reassembly procedures as well as post installation checks must be known. Attempts to install this system without this knowledge and expertise may jeopardize the integrity and/or operating safety of the vehicle.

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

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

Due to differences in manufacturing, dimension and inflated measurements, tire and wheel combinations should be test fit prior to installation.

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 33x12.50 on a 17”x8.5” wheel with +0 offset. For other wheel and tire combinations consult your tire and wheel specialist.

⚠NOTICE **NOTICE TO 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 life.

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

TOYOTA 2024-26 Tacoma 3.5” Lift Kits

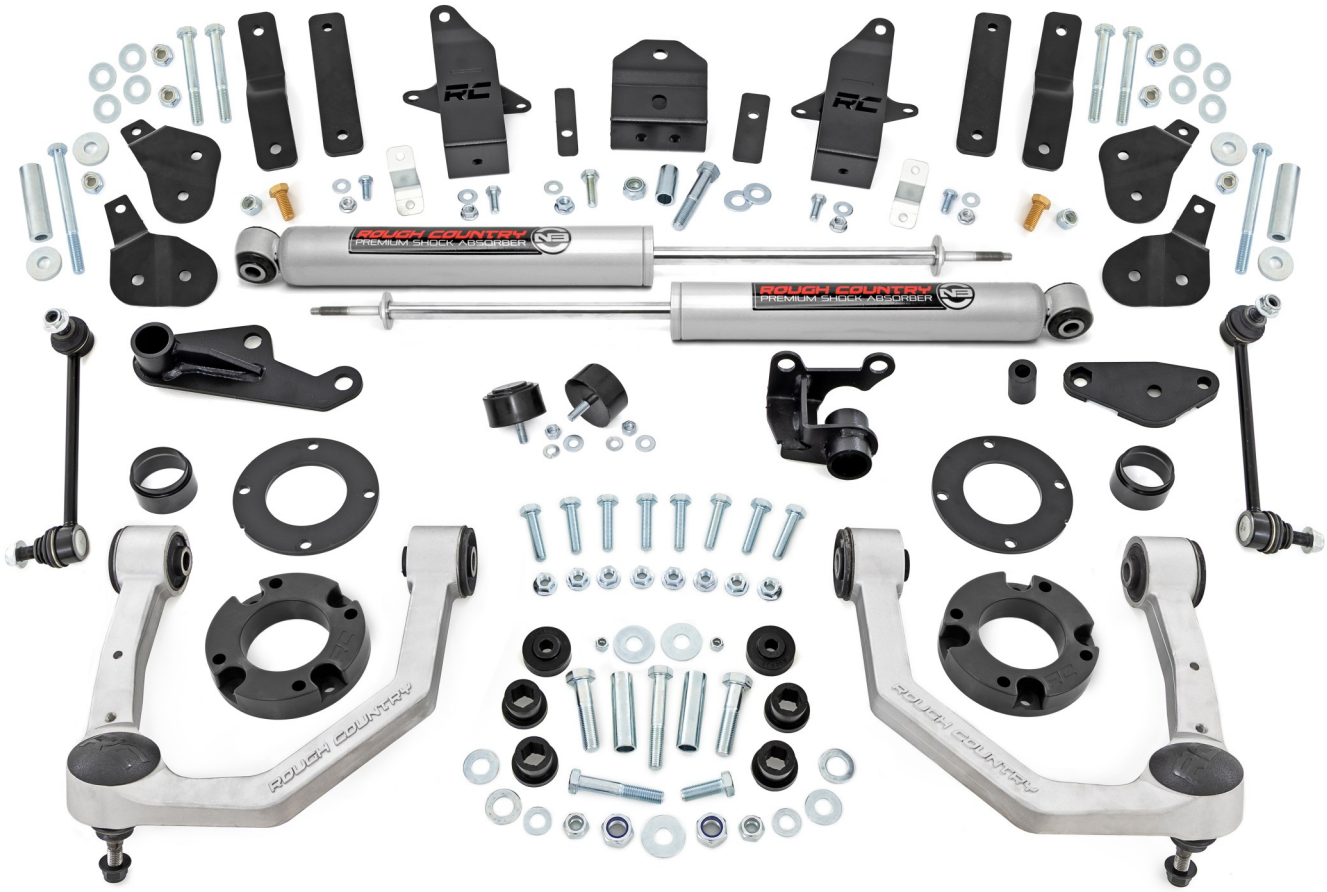
⚠WARNING Front ride height must not exceed 25.5” measured as seen below.

Adjustable Ride Height Struts/Coilovers - M1, M1R, & Vertex

If ride height measures above 25.5”, adjust ride height according to the instructions supplied with the strut/coilover.

Non- Adjustable Strut - N3

Contact a Rough Country customer service rep. @ 1-800-222-7023.



RC
ROUGH COUNTRY

Kit Components

2 - 6540BAG (Balljoint Hardware)
1 - 72900BAG2
1 - 74330BAG1
1 - 75601BAG1
1 - 76931BAG1
1 - 81168BAG2 (Balljoint Caps)
2 - Strut Spacer Shims
2 - Front Preload Spacers
2 - Front Strut Spacers
1 - Dr. Rear Bump Stop Extension
1 - Pass. Rear Bump Stop Extension
1 - Dr Diff Drop Bracket
1 - Pass Diff Drop Bracket
1 - Rear Diff Drop Bracket
1 - Dr Forged UCA
1 - Pass Forged UCA
2 - Bump Stops
2 - Rr Shackle Inside Plates
2 - Rr Shackle Outside Plates
1 - Dr Leaf Spring Drop - Outside
1 - Dr Leaf Spring Drop - Inside
1 - Pass Leaf Spring Drop - Outside
1 - Pass Leaf Spring Drop - Inside
2 - N3 Rear Shocks

Tools Needed

Strut Compressor
Hammer
Pliers
Jack
Jack Stands
10mm Wrench or Socket
12mm Wrench or Socket
14mm Wrench or Socket
15mm Wrench or Socket
16mm 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

Supplied Hardware

1 - 72900BAG2
- 8 - 10mm Serrated Flange Nuts
- 8 - 10mm x 45mm Bolts

1 - 74330BAG1
- 2 - 3/8" Lock Washers
- 2 - 3/8" Nuts
- 2 - 5/16" Flange Lock Nuts
- 4 - 1/2" Nylock Nuts
- 4 - 1/2" x 1 1/4" Bolts
- 4 - 3/8" Flat Washers
- 2 - 5/16" x 3/4" Bolts
- 4 - 14mm x 110mm Bolts
- 6 - 14mm Nylock Nuts
- 12 - 14mm Flat Washers
- 2 - 14mm x 150mm Bolts
- 2 - Brake Line Brackets
- 2 - Leaf Spring Hanger Sleeves
- 4 - Spacers
- 2 - 5/16" Flat Washers
- 10 - 1/2" Flat Washers

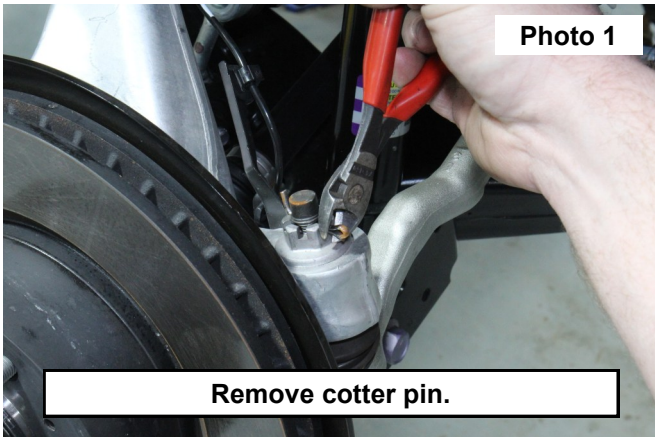
1 - 75601BAG1
- 2 - 1/4" Nylock Nuts
- 2 - 1/2" Flat Washers

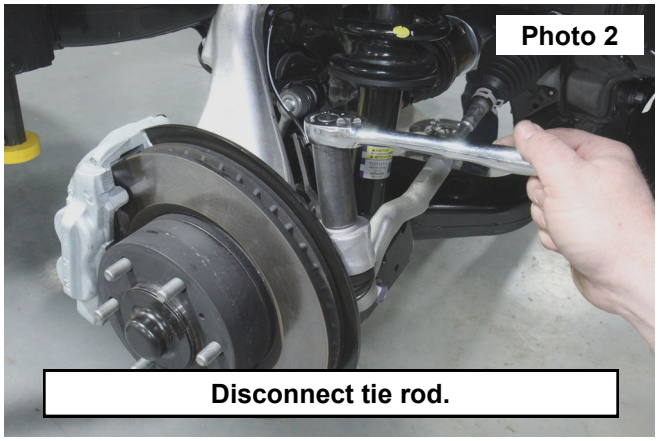
1 - 76931BAG1
- 1 - 1/2" Flat Washer
- 2 - 16mm Flat Washers
- 2 - 14mm x 60mm Bolts
- 1 - 12mm x 80mm Bolt
- 2 - 14mm Flat Washers
- 2 - 12mm Flat Washers
- 2 - 12mm Nylock Nuts
- 1 - 12mm x 70mm Bolt
- 1 - 12mm x 35mm Bolt
- 2 - 16mm Nuts
- 4 - Bushings
- 2 - Sleeves
- 1 - Diff Drop Spacer

1 - 81168BAG2
- 2 - Balljoint Caps

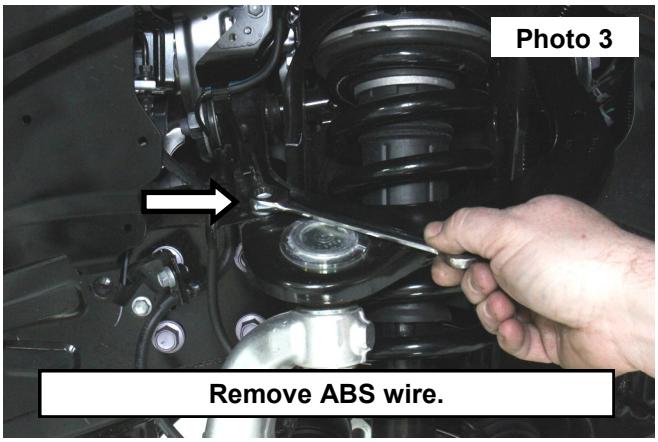
FRONT INSTALLATION

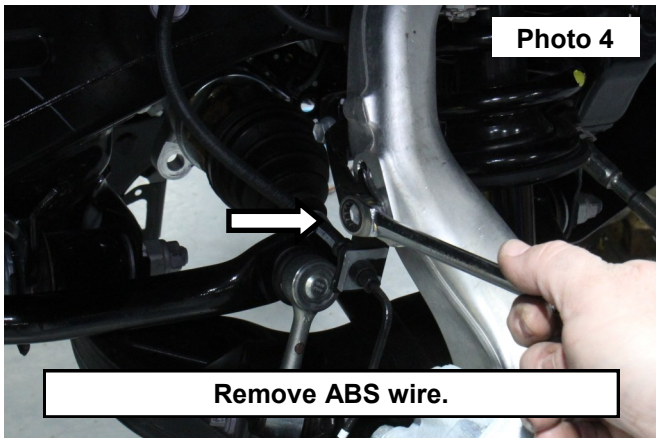
1. Jack up the front of the vehicle and support the vehicle with jack stands, so that the front wheels are off the ground
2. Remove the front tires/wheels using a 21mm deep well socket.
3. Remove the cotter pin from the tie-rod end with a pair of pliers. Retain hardware for reuse. **See Photo 1.**
4. 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.**



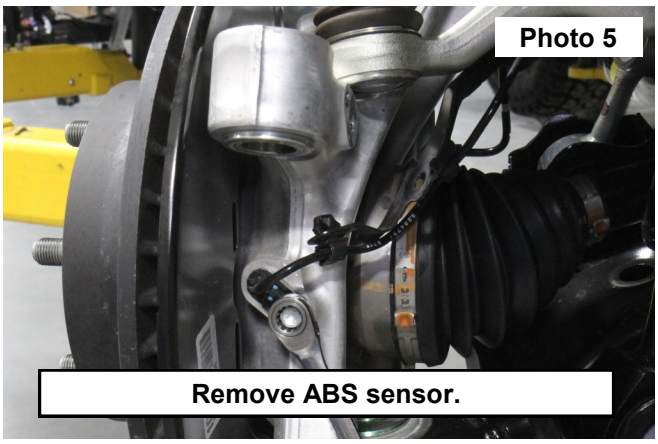


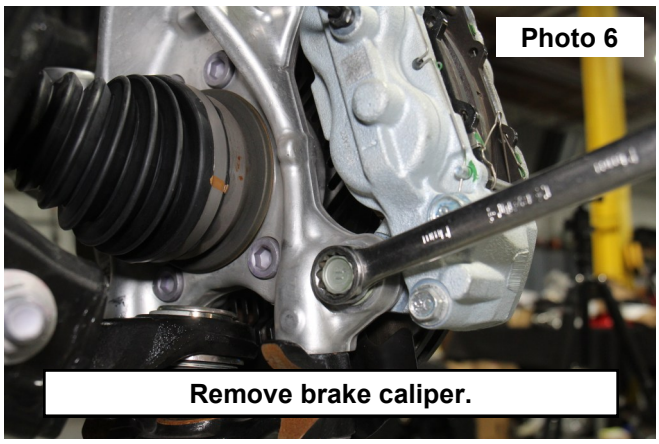
5. Remove the ABS wires from the upper control arm and steering knuckle using a 12mm wrench. Retain hardware for reuse. **See Photo 3 and Photo 4.**



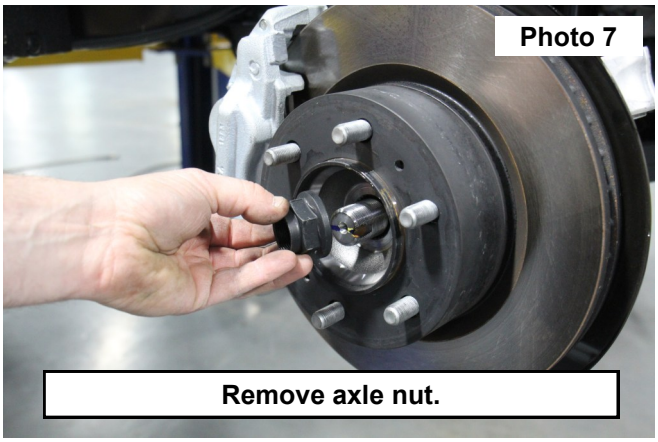


6. Remove ABS sensor from knuckle using a 10mm wrench. Retain hardware for reuse. **See Photo 5.**
7. Use a 19mm socket to remove the bolts holding the brake caliper to the knuckle. Hang brake caliper out of the way. Retain hardware for reuse. **See Photo 6.**

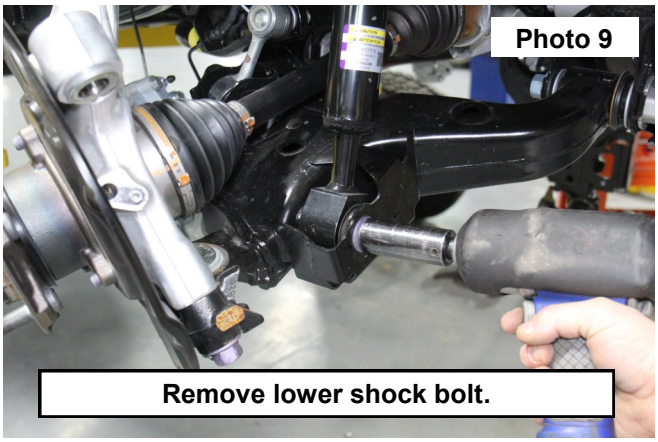


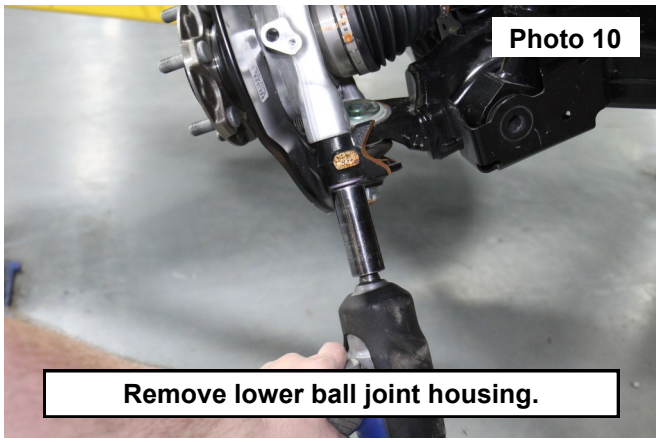


8. Remove the dust cover from the hub bearing with a pry tool and use a 36mm socket to remove the axle nut. Retain hardware for reuse. **See Photo 7.**
9. Remove the cotter pin from the upper ball joint nut and use a 19mm socket to loosen, but not remove the nut. Use a hammer to release the taper of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

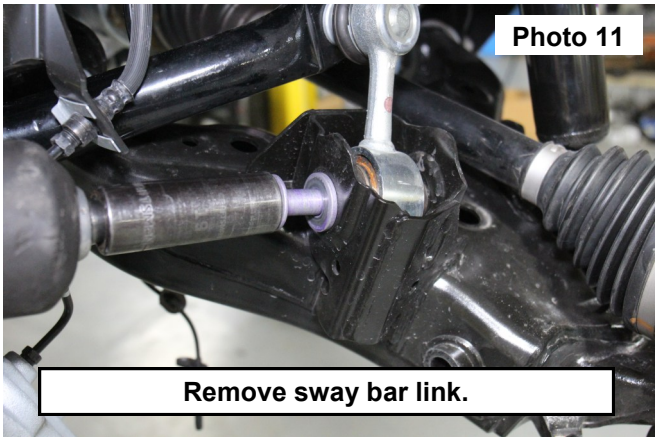


10. Remove lower strut bolt using a 22mm socket. Retain hardware for reuse. **See Photo 9.**
11. Use a 22mm socket to remove the factory bolts holding the lower ball joint housing to the steering knuckle. Retain hardware for reuse. **See Photo 10.**

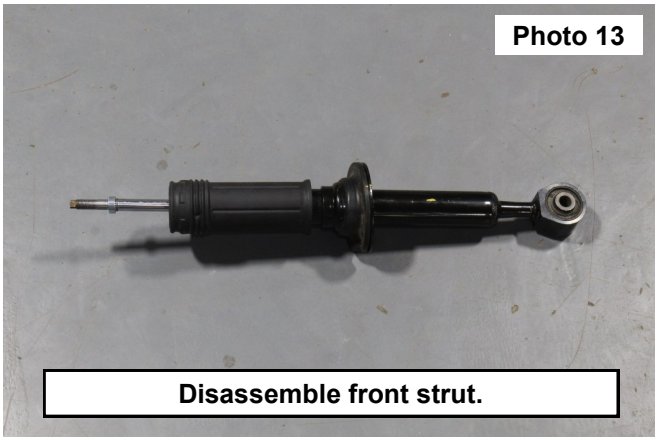


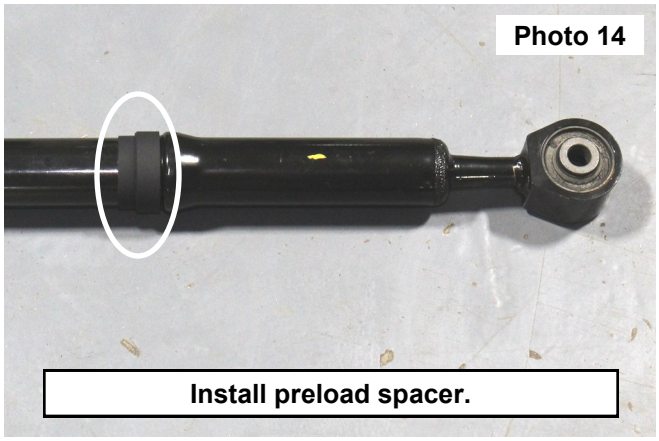


12. Remove sway bar link from the lower control arm with a 19mm socket. Retain hardware for reuse. **See Photo 11.**
13. Loosen, but do not remove, the lower control arm bolts using a 24mm wrench. Swing lower control arm out of the way.
14. Remove upper strut nuts using a 14mm wrench. Retain hardware for reuse. **See Photo 12.**
15. Remove strut from vehicle.
16. Remove factory upper control arms and install upper control arms per page 10 in this instruction sheet.

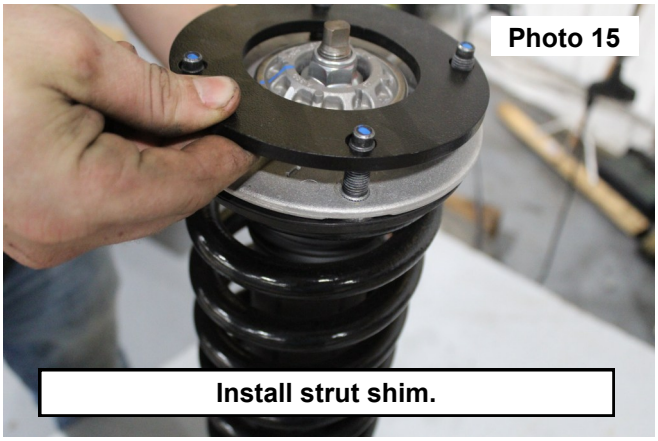


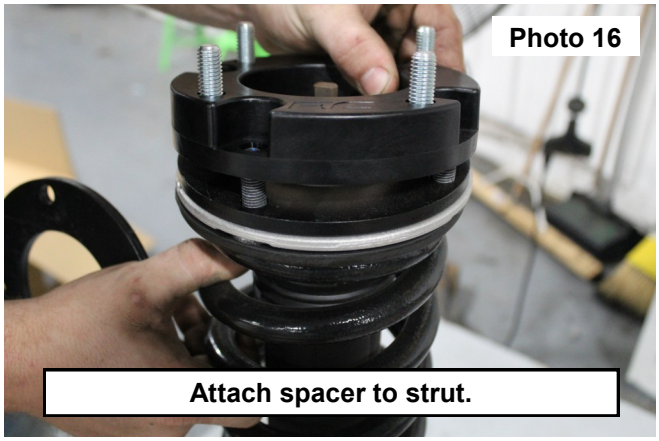
17. Place strut in a strut compressor and mark the placement of the lower spring seat in relation to the shock with a paint pen. Compress the strut and use a 19mm socket to remove the top strut hat. Disassemble strut. **See Photo 13.**
18. Install the front preload spacer onto the strut body with the wider part of the spacer going towards the lower strut mount. **See Photo 14.**
19. Rest the spring seat and spring isolator on the preload spacer. Reassemble the rest of the strut with the strut compressor and 19mm socket. Be sure to keep the previous paint marks aligned.



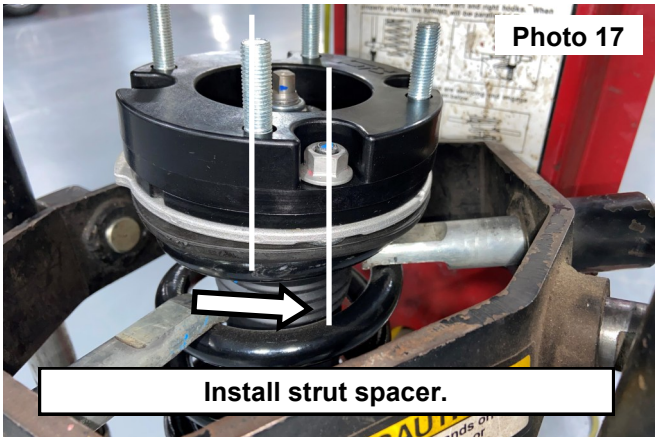


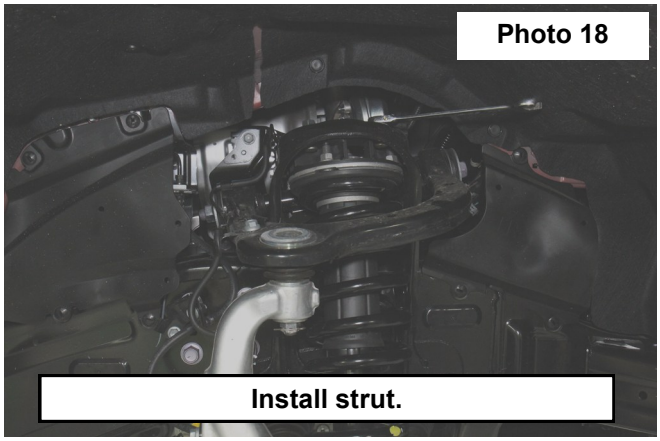
20. Place one of the strut shims on the top hat of the strut. **See Photo 15.**
21. Install the supplied 10mm bolts into the nylon strut spacer and place strut spacer on front strut. Use the factory strut nuts to secure spacer to strut. Tighten with a 14mm socket. **See Photo 16.**



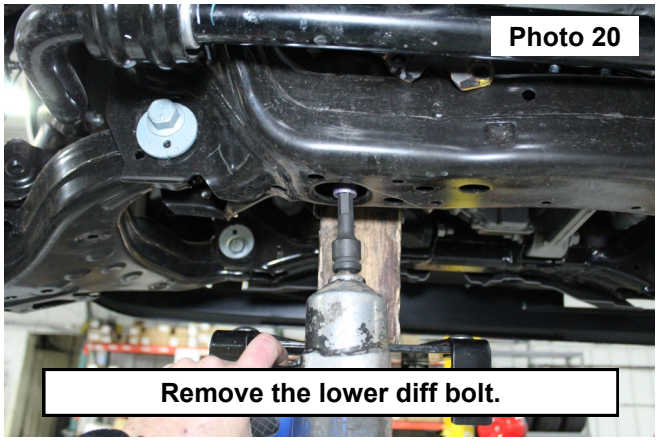


22. Place strut back into a strut compressor. Compress strut enough so the top hat can spin. Clock the top hat so the stud in the strut spacer is in the same location as the factory stud was. **See Photo 17.**
23. Reinstall the strut using the supplied 10mm flange nuts. Tighten with a 15mm wrench. Torque to 45ft-lbs. **See Photo 18.**
24. Repeat for other side of vehicle.
25. Reinstall factory lower strut hardware using a 22mm socket and wrench. Torque to 61ft-lbs
26. Reinstall the lower ball joint housing to the knuckle using the factory hardware. Tighten with a 22mm socket. Torque to 118ft-lbs.

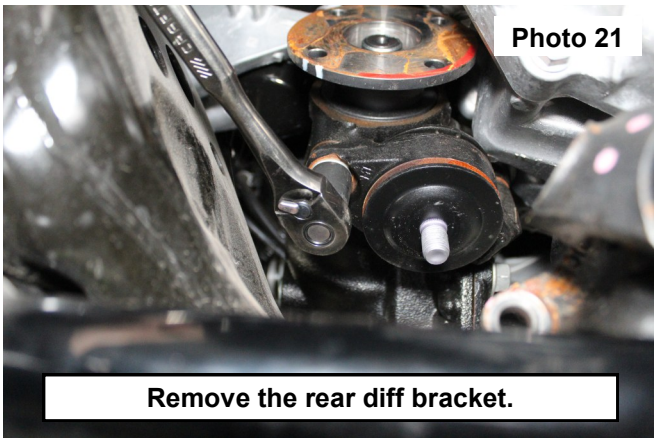


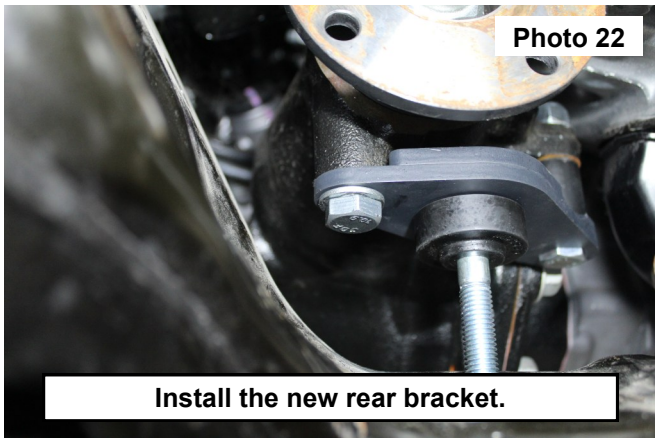


27. Support the front diff. Mark the drive shaft and remove front drive shaft from diff using a 14mm socket and wrench. **See Photo 19.**
28. Remove the lower diff bolt from the cross member using a 12mm Allen wrench. **See Photo 20.**

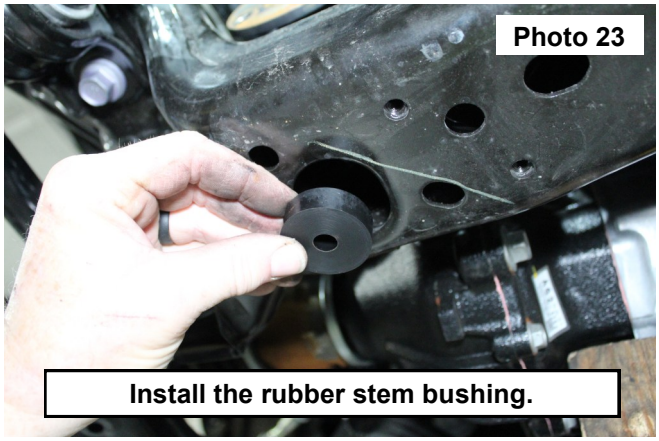


29. Remove the (2) rear diff mount bolts using a 17mm socket. Then remove the bracket. **See Photo 21.**
30. Install the new diff bracket using the supplied hardware. (1) 12mm x 70mm center rear diff bolt, using (2) 12mm flat washers and (1) 12mm lock nut. (1) sleeve. (1) Flat bracket. (1) 14mm x 60mm diff bolt. and (1) 12mm x 80mm diff bolt, using (2) 12mm flat washers and (1) 12mm lock nut. Placing (1) rubber stem bushing on the center bolt. Tighten using a 19mm and 22mm socket. **See Photo 22.**

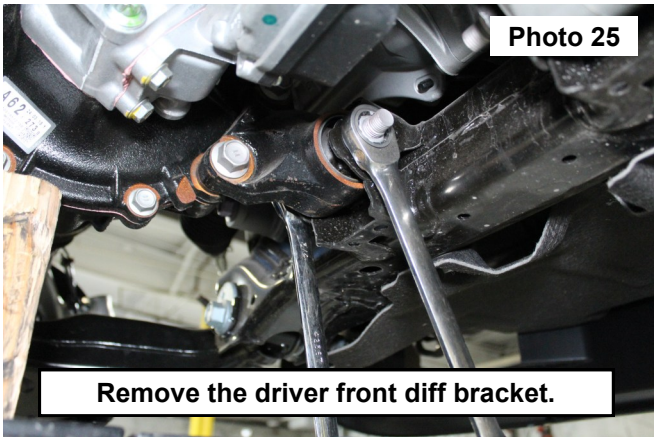


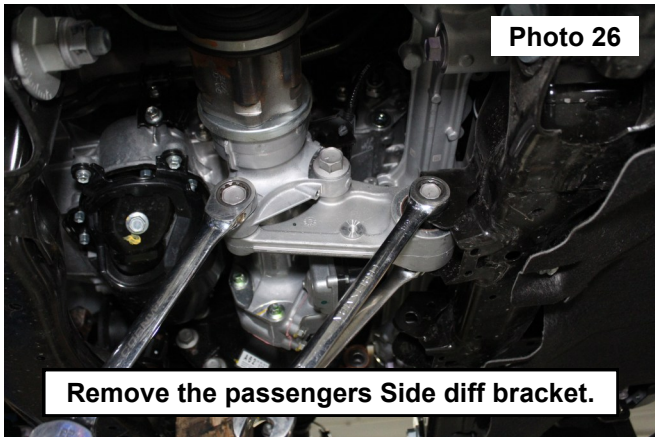


31. Lower the rear diff into the rear crossmember. Secure using (1) thick 12mm washer (1) stem bushing and (1) 12mm nylock nut. **See Photos 23 and 24.**

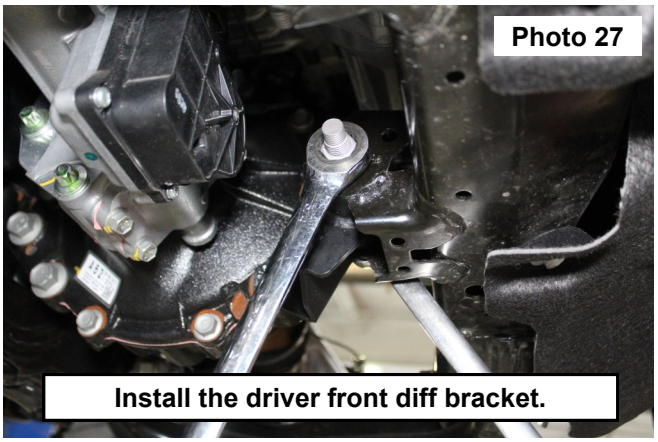


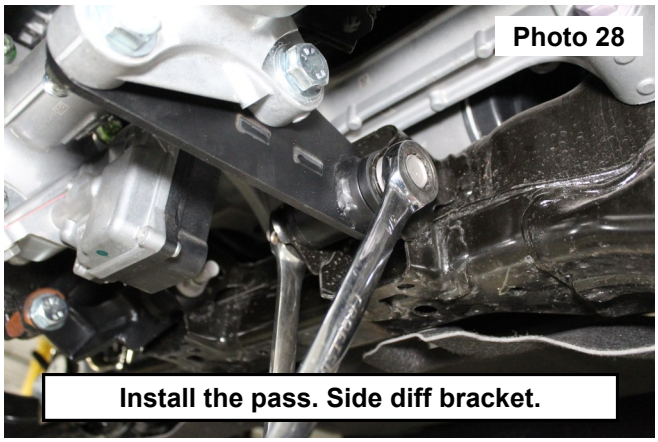
32. Remove the driver and passengers sides front diff brackets. Using 19mm and 22mm wrenches. **See Photo. 25 and 26.**





33. Install the bushings and sleeve into the bracket then install the drivers side diff bracket using (1) 16mm bolt (2) washers and (1) 16mm nylock nut. (2) 12mm bolts and (2) 12mm washers. **See Photo 27.**
34. Install the bushings and sleeve into the bracket then install the Passengers side diff bracket using (1) 16mm bolt (2) washers and (1) 16mm nylock nut. (2) 12mm bolts and (2) 12mm washers and (1) 12mm nut. **See Photo 28.**
35. Tighten using 19 and 22mm wrenches.





36. Reinstall wheels and tires and lower vehicle to the ground. Torque to 83ft-lbs using a 21mm deep well socket.
37. Reinstall lower sway bar link with factory hardware once the vehicle is on the ground. Tighten with a 19mm wrench. Torque to 52ft-lbs.
38. Retighten lower control arm bolts with a 24mm wrench. Torque to 100ft-lbs

UCA INSTALLATION

1. Locate the driver side radiator mount. Use an oversized socket/pipe and a jack to compress the mount bushing. **NOTE:** Grille removed to show location of mount. Removal not necessary for installation. **See Photo 1.**
2. Maneuver the UCA bolt out the front of the vehicle. Retain hardware for reuse. **See Photo 2.**

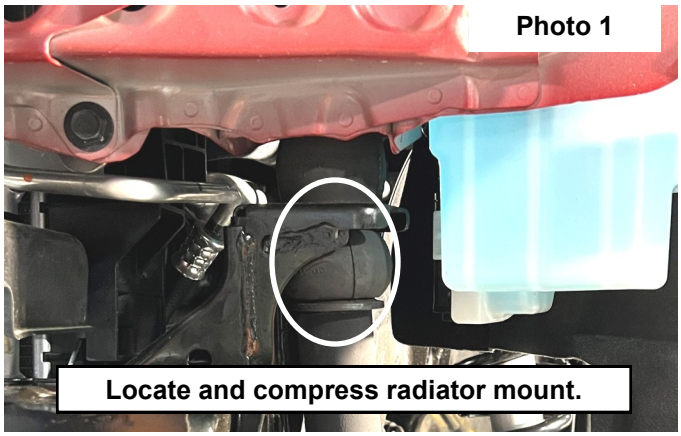


Photo 1

Locate and compress radiator mount.

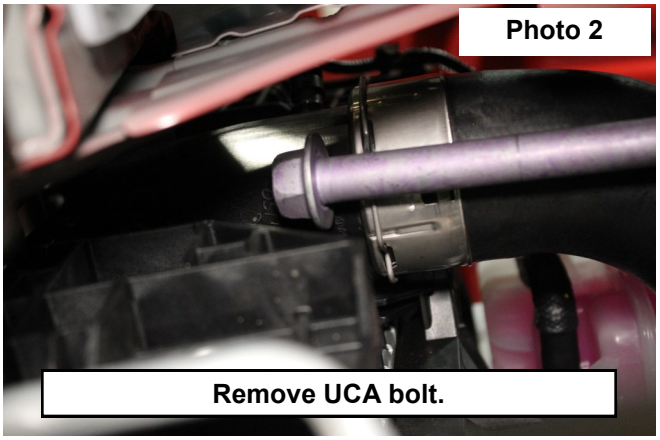


Photo 2

Remove UCA bolt.

3. Remove the factory upper control arm.
4. Place the supplied driver side upper control arm into the mounting pockets on the frame of the vehicle and slide the factory upper control arm bolt through. Tighten the upper control arm bolt using the factory nut and tighten with a 22mm wrench.
5. Connect the upper control arm to the steering knuckle using the supplied washer with the factory upper ball joint nut. Tighten with a 19mm wrench.
6. Attach the ABS wire bracket to the supplied upper control arm, using the factory bolt. Tighten with a 12mm wrench. **See Photo 3.**
7. Repeat on the passenger side of the vehicle. **NOTE:** Compressing the radiator support mount is not necessary for the passenger side.
8. Reinstall remaining components in reverse order of disassembly using factory hardware.

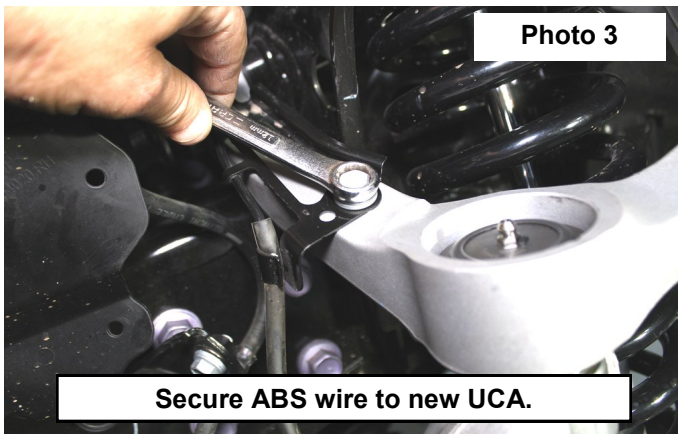
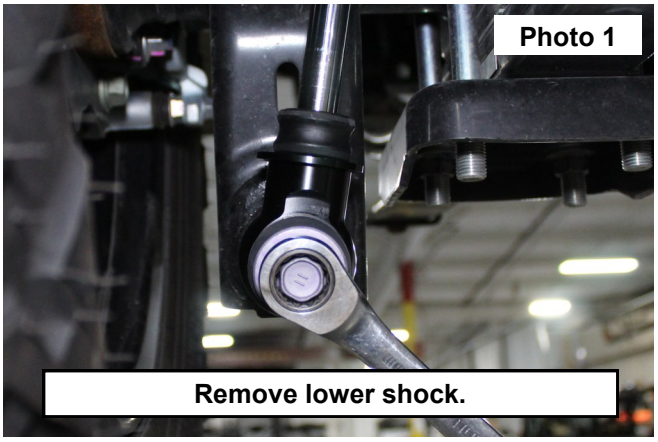


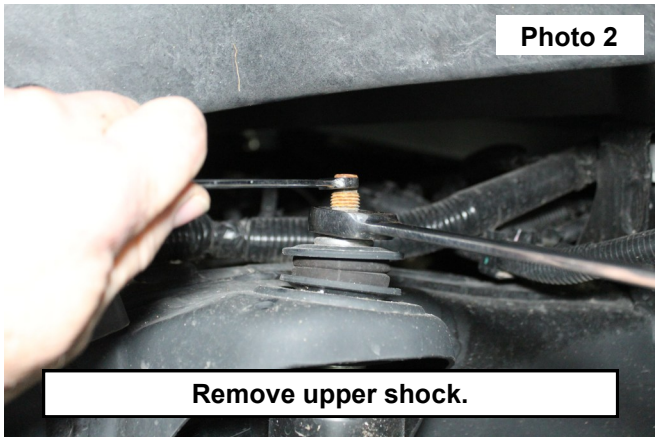
Photo 3

Secure ABS wire to new UCA.

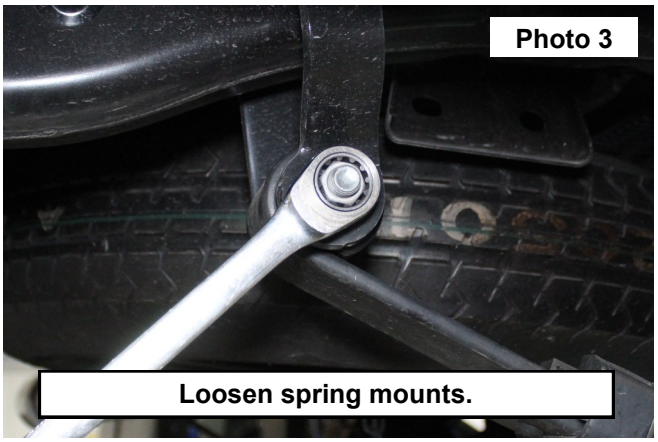
REAR INSTALLATION

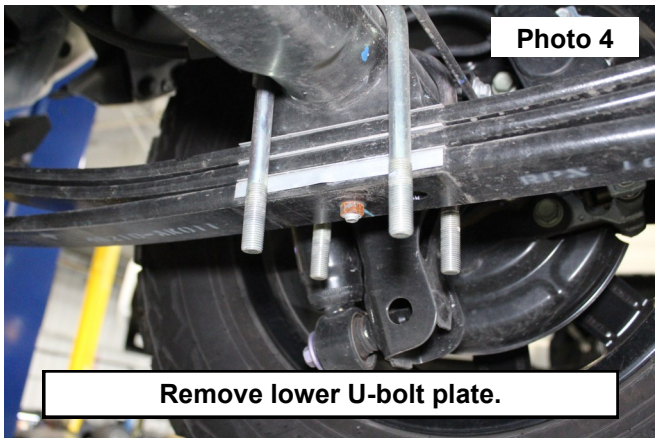
1. Jack vehicle up and place on jack stands. Remove tires and wheels.
2. Support rear axle at pinion and axle tube with stand, using an 18mm socket, remove lower shock mount. **See Photo 1.**
3. Use a 19mm socket and remove upper shock mount. **See Photo 2.**



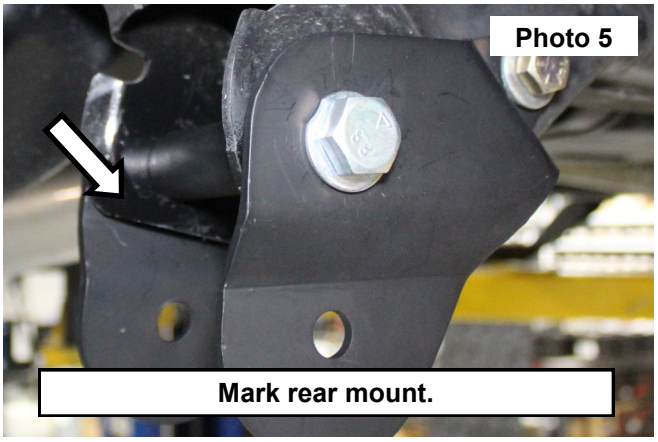


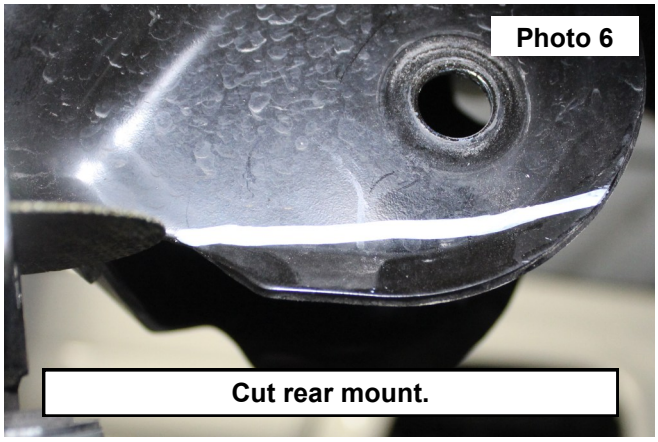
4. Use the 19mm to loosen factory bolts from leaf springs. **See Photo 3.**
5. Place jack under leaf spring and remove lower U-bolt plate using 22mm socket. Set leaf springs aside. **See Photo 4.**





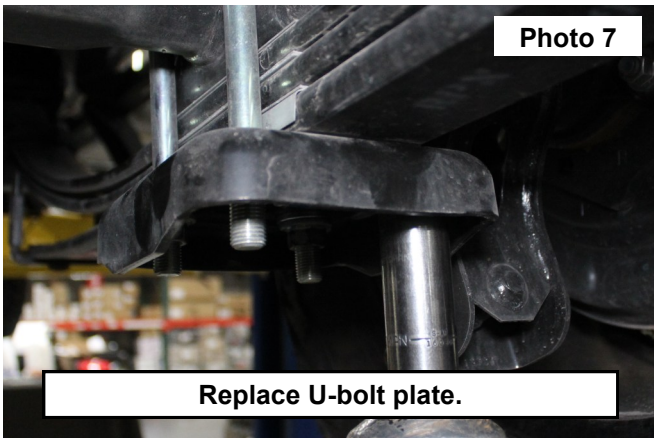
6. Loosely attach rear shackle with supplied hardware. **See Photo 5.**
7. With the rear shackle attached, using a paint marker, mark where to cut the front mount. Cut mount just above the upper bend on the shackle.
8. Using a cut wheel, cut the leaf spring mount. **See Photo 6.**

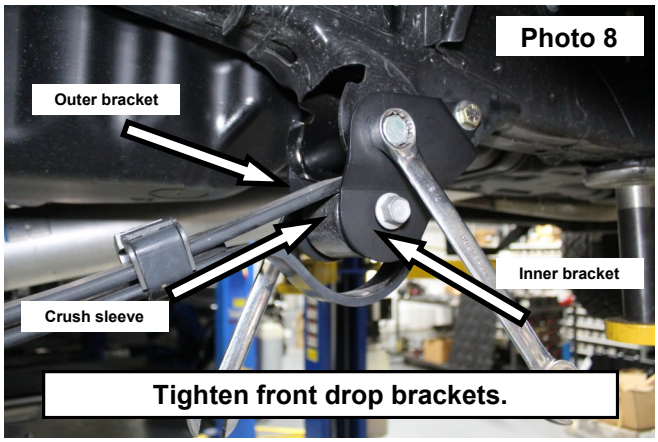




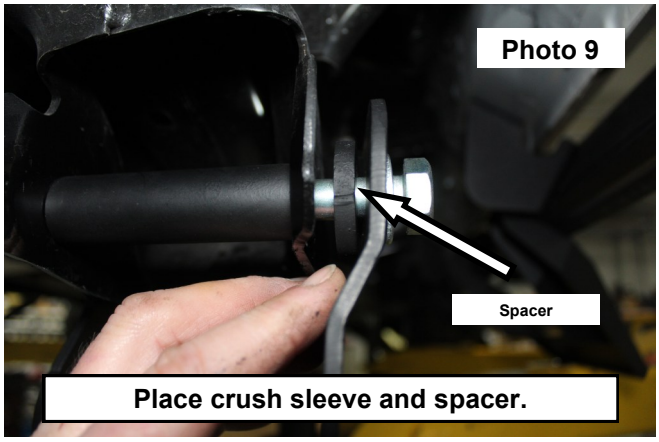
INSTALLATION INSTRUCTIONS

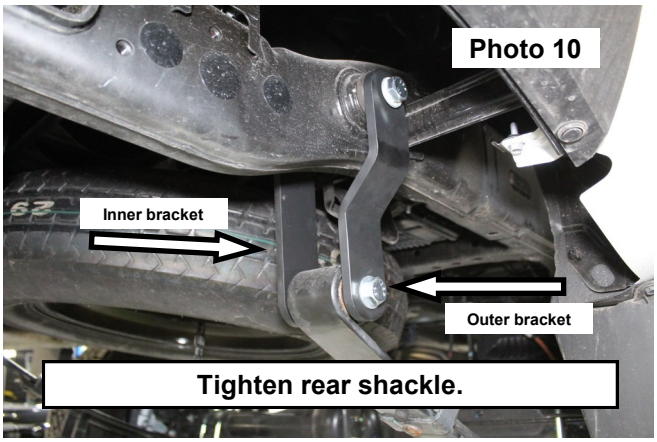
9. Using 22mm socket, replace lower U-bolt plate. **See Photo 7.**
10. Install inner and outer front drop brackets in OE location. Place bolt and washer thru inner drop bracket, then place crush sleeve on bolt. Install leaf spring on crush sleeve and place outer drop bracket and washer on bolt. **See Photo 8.**





11. Install inner and outer rear shackles in OE location. Place bolt and washer thru factory hanger, then place crush sleeve on bolt. Install leaf spring on crush sleeve and place outer drop bracket and spacer on bolt. **Spacer will be on the outside of factory hanger and inside shackle. See Photo 9 and Photo 10.**





12. Use 22mm socket or wrench for install of drop shackles.
13. Repeat steps 2-11 for opposite side.

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, floor boards 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 three thousand 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.