

ATTENTION

RAM AIR RIDE SYSTEM WARNING

Due to the complexity of the Ram's factory air ride system, we highly recommend using only an experienced suspension specialist for installation. BDS is not liable for any costs associated with problems resulting from improper installation of this system.

All pressurized air suspension components contain high pressure air (up to 220 psi). Extreme caution must be used during the installation of this system to prevent component damage or personal injury.

Failure to disable the air suspension system prior to installation can result in excessive leakage from the system and damage to the air compressor assembly.

Failure to prevent and check for leaks or restrictions in the air line connections can result in damage to the air system compressor, and set error codes, and lock the ASCM. Only the RAM dealership has the ability to access and reset the ASCM. The recharging of the system may also be required as well as in depth diagnostics and recalibration of the system to restore proper function.

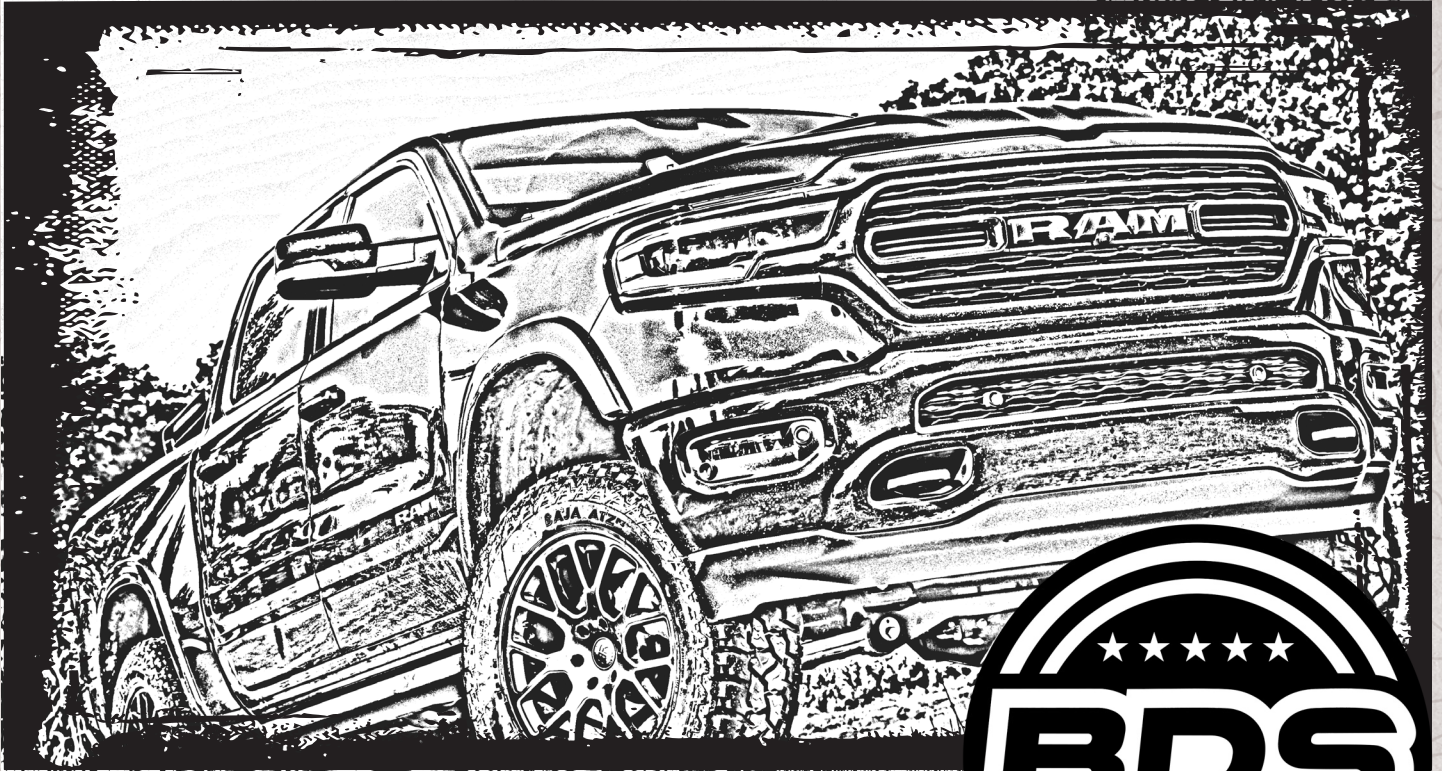
BDS lists an estimated installation time of 10 hours for the basic installation of this system. This doesn't include time for diagnostics and repair that could result from a leaking fitting or other problem associated with the installation. BDS will not cover any costs associated the labor required to correct the system.

REAR AIR BAG INSTALLATION WARNING

Extreme care must be taken to follow the steps of these instructions to prevent damage to the rear air bags during the installation and filling process. Costly replacement air bags and a trip to a RAM dealer for diagnostics and system fill may be required if leaks are present or the air bags are not installed according to these instructions.

BDS is not liable for damaged air bags or personal injury as a result of improper installation.

INSTALLATION GUIDE



Part#: 022308



HARDCORE LIMITED LIFETIME WARRANTY

4" High Clearance Suspension System

Dodge Ram 1500 Air Ride 4WD | 2019-2026

Rev. 011226

491 W. Garfield Ave., Coldwater, MI 49036 • Phone: 517-279-2135

E-mail: tech-bds@ridefox.com

Read And Understand All Instructions And Warnings Prior To Installation Of System And Operation Of Vehicle.



THANK YOU

Your truck is about to be fitted with the best suspension system on the market today. That means you will be driving the baddest looking truck in the neighborhood, and you'll have the warranty to ensure that it stays that way for years to come. Thank you for choosing BDS Suspension!

BEFORE YOU START

BDS Suspension Co. recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known.

FOR YOUR SAFETY

Certain BDS Suspension products are intended to improve off-road performance. Modifying your vehicle for off-road use may result in the vehicle handling differently than a factory equipped vehicle. Extreme care must be used to prevent loss of control or vehicle rollover. Failure to drive your modified vehicle safely may result in serious injury or death. BDS Suspension Co. does not recommend the combined use of suspension lifts, body lifts, or other lifting devices. You should never operate your modified vehicle under the influence of alcohol or drugs. Always drive your modified vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Always wear your seat belt.

BEFORE INSTALLATION

- Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/reassembly procedures of OE and related components.
- Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
- Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than OE, consider the additional stress you could be inducing on the OE and related components.
- Post suspension system vehicles may experience drive line vibrations. Angles may require tuning, slider on shaft may require replacement, shafts may need to be lengthened or trued, and U-joints may need to be replaced.
- Secure and properly block vehicle prior to installation of BDS Suspension components. Always wear safety glasses when using power tools.
- If installation is to be performed without a hoist, BDS Suspension Co. recommends rear alterations first.
- Due to payload options and initial ride height variances, the amount of lift is a base figure. Final ride height dimensions may vary in accordance to original vehicle attitude. Always measure the attitude prior to beginning installation.



Visit 560plus.com for more information.

TIRES AND WHEELS

4" Lift Wheel and Tire Specs

Tires	Wheel Size	Backspacing	Trimming
35" x 12.50"	20 x 9	5"	May be required
35" x 12.50"	20 x 9	5.5"	May be required

*** 18" wheels, see note below

*** 18 INCH WHEELS MAXIMUM RECOMMENDED BACKSPACING IS 4.5". TEST FIT WHEELS ON VEHICLE BEFORE MOUNTING TIRES. ENSURE CLEARANCE OF WHEEL BARREL TO NEW TIE ROD END. ADHESIVE WHEEL WEIGHTS MUST BE USED ON INBOARD WHEEL PROFILE.

- Stock 18" wheels cannot be re-installed. Stock 20" & 22" can only be re-installed with the factory tire.
- All 17" wheels cannot be used due to brake caliper interference.

BEFORE YOU DRIVE

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. Check steering gear for clearance. Test and inspect brake system.

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. Longer replacement hoses, if needed can be purchased from a local parts supplier.

Perform head light check and adjustment.

Re-torque all fasteners after 500 miles. Always inspect fasteners and components during routine servicing.

CONTENTS OF YOUR KIT

022632 & 022633, 2019-2024 Knuckle Box Kits

Part #	Qty	Description
03796	1	Steering Knuckle - Drv
03797	1	Steering Knuckle - Pass
401-2038	2	Tie Rod End
W96S	2	9/16 SAE Washer

022640 & 022641, 2019-2024 LARGE BORE KNUCKLE KIT

Part #	Qty	Description
03794	1	Steering Knuckle Large Bore - Drv
03795	1	Steering Knuckle Large Bore - Pass
401-2038	2	Tie Rod End
W96S	2	9/16 SAE Washer

022643 Front Box Kit 2 of 2, 2019-2024

03931	1	Sway Bar Drop Bracket DRV
03932	1	Sway Bar Drop Bracket PASS
03946	1	Front Crossmember
03658	1	Diff Drop Bracket PASS
03656	1	Diff Drop Bracket Inner Drv
03655	1	Diff Drop Bracket Outer Drv
03661	1	Diff Drop Bracket Rear
97525A4300	2	18-8 SS Blind Rivet
01572	1	BDS Badge

022308 Air Ride Box Kit

Part #	Qty	Description
SB58BK	4	5/8" Hourglass Bushing
62147	2	.625 OD x .075" Wall x 1.375" Sleeve
45313	2	.625 OD x .109" Wall x 1.375 Sleeve
SV203	4	Air Fittings
02776	2	4" Front Strut Spacer
03793	2	3" Air Ride Rear Spacer
05100	1	Ride Height Sensor Brkt Drv
05101	1	Ride Height Sensor Brkt PASS
911103	2	Sway Bar End Link
482	1	Bolt Pack- Sway Bar Hardware
	2	12mm x 60mm Bolt
	4	7/16" USS Washer
	2	12mm-1.75 Prevailing Torque Nut
	2	3/8" USS Washer
457	1	Bolt Pack- Rear Spacer, Air Line Fittings
	6	5/16 Nylock Nut
	6	1/4" USS Washer
	2	6mm 90 degree push connect air fitting
	2	6mm straight push connect air fitting
	4	6mm x 3-1/2" black nylon tubing

022660 & 022661, 2025 Knuckle Box Kits

Part #	Qty	Description
05624	1	Steering Knuckle - Drv
05625	1	Steering Knuckle - Pass
401-2038	2	Tie Rod End
W96S	4	9/16 SAE Washer

022662 & 022663, 2025 LARGE BORE KNUCKLE KIT

Part #	Qty	Description
05626	1	Steering Knuckle Large Bore - Drv
05627	1	Steering Knuckle Large Bore - Pass
401-2038	2	Tie Rod End
W96S	4	9/16 SAE Washer
05636	2	Large Bore ABS Spacer

022644 Front Box Kit 2 of 2, 2025

03931	1	Sway Bar Drop Bracket DRV
03932	1	Sway Bar Drop Bracket PASS
03946	1	Front Crossmember
03658	1	Diff Drop Bracket PASS
03656	1	Diff Drop Bracket Inner Drv
03655	1	Diff Drop Bracket Outer Drv
03661	1	Diff Drop Bracket Rear
05621	1	2025 Diff Drop Bracket Rear - Drv
97525A4300	2	18-8 SS Blind Rivet
01572	1	BDS Badge

022642 Front Box Kit 1 of 2

Part #	Qty	Description
02242	1	Drive Shaft Spacer
03947	1	Rear Crossmember
01298B	1	Front Differential Skid Plate
663	1	Bolt Pack - Drive Shaft Hardware
	4	12mm x 45mm Bolt
	4	12mm Flat Washer
480	1	Bolt Pack- Differential Bracket Mount Hardware
	3	12mm-1.75 x 40mm bolt
	2	12mm-1.75 x 60mm bolt
	2	12mm-1.75 x 55mm bolt
	11	12mm Flat Washer
	4	12mm-1.75 Prevailing Torque Nut
	3	1/2" -13 x 1-1/2" Bolt
	4	1/2" -13 x 1-1/4" Bolt
	3	1/2"-13 Prevailing Torque Nut
	10	1/2" SAE Washer
BP1024	1	Bolt Pack, Brake Line, Upper Strut and Sway Bar Mount Hardware
	2	1/4"-20 x 5/8" bolt
	2	1/4" Split Lock Washer
	4	1/4" SAE flat washer
	4	Wire Clip
	6	10mm-1.50 Prevailing torque nut
	6	10mm flat washer
	4	3/8"-16 Prevailing torque nut
	8	3/8" SAE washer
	4	3/8"-16 x 1-1/4" Bolt
90131A613	4	Cushion Washer
02002ZP	4	M18-2.5 x 150mm Bolt
N18MPT	4	M18-2.5 Prevailing Torque Nut
03982	8	3-Position Cam Washer
01499	4	1/4" Spacer Washer
0342702	1	Thread Locker Pouch
631	1	Bolt Pack - Brake Line Relocation Bracket
	2	1/2"-13 x 1-1/4" Bolt
	2	1/2"-13 Prevailing Torque Nut
	4	1/2" SAE Washer
03888	2	Brake Line Relocation Bracket
22545	2	Front Brake Lines (2019-2024 model years only)
5188	2	Brake Line Clip
CCW-03-050	4	3/8 Brake Line Crush Washer
099000	6	Zip Ties

022307 Rear Box Kit

Part #	Qty	Description
109	1	1.00" OD x .125" Wall x 1.36" Sleeve
110	2	1.00"OD x .125" Wall x 2.375" Sleeve
SBLA	2	Brake Adapters
03681	2	Bump Stop Extension
03796	1	Upper Control Arm Relocation Brkt DRV
03797	1	Upper Control Arm Relocation Brkt PASS
03682	1	Rear Track Bar Bracket
03719	1	Bump Stop Nut Tab
479	1	Bolt Pack- Bump Stop Extension Hardware
	4	5/16"-18 x 7/8" bolt
	6	5/16" SAE washers
	2	5/16"-18 Prevailing Torque Nut
483	1	Bolt Pack - Rear Hardware
	1	9/16"-12 x 3-1/2" bolt
	1	9/16"-12 Prevailing torque nut
	2	9/16" SAE washer
	2	5/8"-11 x 4-1/2" bolt
	2	5/8"-11 Prevailing torque nut
	4	5/8" SAE washer
	6	3/8"-16 x 1-1/4" Bolt
	8	3/8"-16 Prevailing torque nut
	16	3/8" SAE washer
	2	3/8"-16 x 1" Bolt
	2	5/16-18 x 3/4"

PRE INSTALLATION

IMPORTANT

It is required that ride height measurements be taken before and after installation. Measure from the **WHEEL AXLE CENTER** up to the **FENDER LIP** of the wheel opening. Do this for all 4 wheels. Record measurements below.**

BEFORE

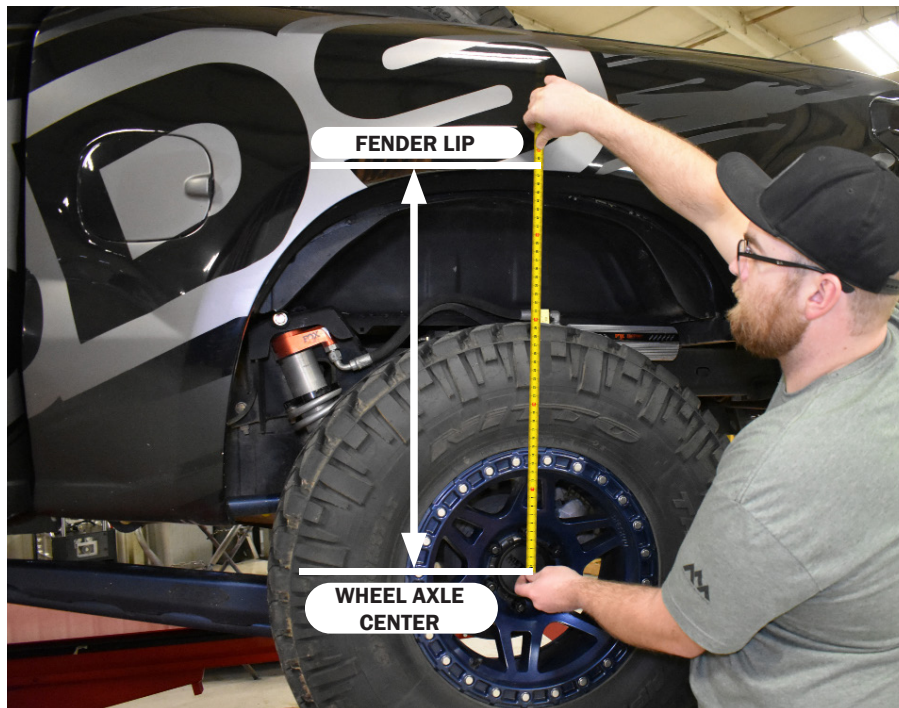
Left Front _____ *Right Front* _____

Left Rear _____ *Right Rear* _____

AFTER

Left Front _____ *Right Front* _____

Left Rear _____ *Right Rear* _____



****These ride heights will be required if you have any ride height concerns after installation. Please be prepared to provide these to Technical Support.**

TROUBLESHOOTING INFORMATION FOR YOUR VEHICLE

1. Fits factory air ride equipped trucks only.
2. The factory air ride is a closed loop system. Opening the system more times than recommended in the lift instructions will require the system to be recharged. This can be done at any Ram dealer service department. A scan tool is needed to access the air control module to perform the service.
3. Due to the complexity of your Ram's factory air ride system, we highly recommend using an experienced suspension specialist for installation.
4. 22545 brake lines fit 2019-2024 model years only. For 2025 models, use kit included 03888 brake line drop brackets and 631 bolt pack to mount the drop brackets.
5. Ensure you have the correct knuckles. Models equipped with factory 22" wheels require large bore knuckles.

**TECH
TIPS**

INSTALLATION INSTRUCTIONS

SPECIAL TOOLS

35mm Socket (Hub nut)

PRE-INSTALLATION NOTES

1. Extreme care must be taken to follow the steps of these instructions to prevent any leaks or damage to the air bags during the installation process. Costly replacement air bags or a trip to a Ram dealer for diagnostics may be required if leaks are present or the air bags are not installed according to these instructions.

IMPORTANT!! Replacement front brake lines (22545) do not work on 2025 model year trucks: fitment of 22545 includes 2019-2024 model years.

FRONT INSTALLATION

2. Park the vehicle on a clean, flat surface and block the rear wheels for safety.
3. Turn off the air ride system through the vehicles control panel: Uconnect/Settings>suspension>tire jack mode (2019-2024 model year) or Service Mode (2025).

IMPORTANT

4. Disconnect BOTH batteries (if equipped). Disconnect the auxiliary battery first using a 10mm socket and or wrench (**Fig. A**). Disconnect the main battery using a 10mm socket and or wrench. (**Fig. B**) The positive terminal on the main battery has a clip holding it in place. Use a trim tool or flat head screw driver to pry up the clip to remove terminal. (**Fig. C**) Cover terminals to prevent electric arc.

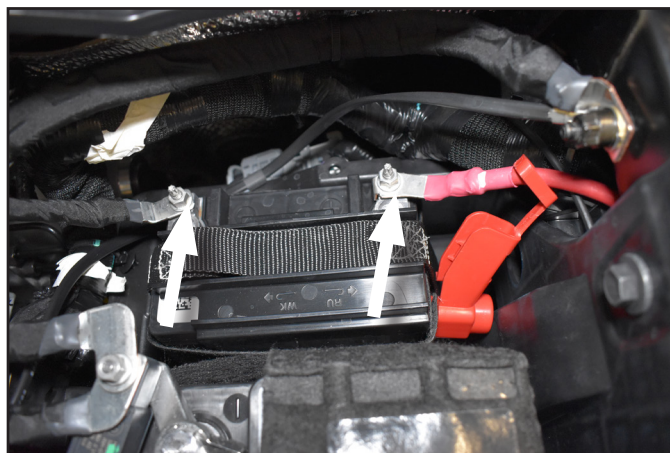


FIGURE A

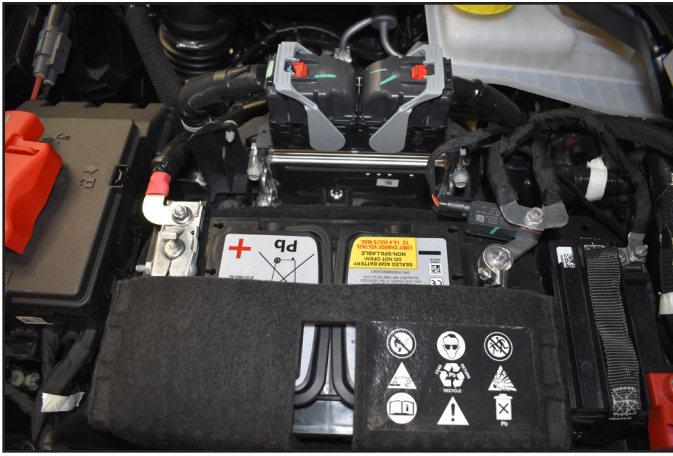


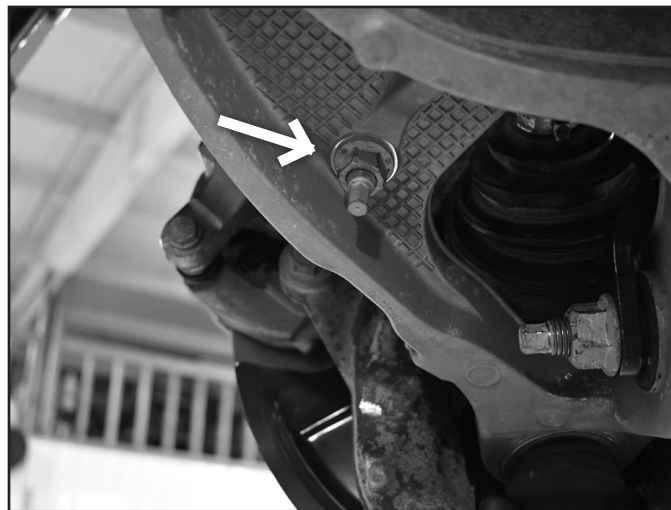
FIGURE B



FIGURE C

5. Raise the front of the vehicle and support with jack stands under the frame rails.
6. Remove the wheels.
7. Disconnect the sway bar links from the lower control arms. Leave them attached to the sway bar (Fig 1).

FIGURE 1



8. Remove and discard the OE front skid plate, if equipped.
9. Disconnect the tie rod ends from the steering knuckles. Remove the jam nuts. Use the appropriate puller to separate the tie rod end from the steering knuckle. (Fig 2)

FIGURE 2



10. Disconnect the ABS brake line at the frame. Remove it from the retaining clips.

IMPORTANT!! Replacement front brake lines (22545) do not work on 2025 model year trucks: fitment of 22545 includes 2019-2024 model years.

11. 2019-2024 models, proceed with the next installation Step 12. 2025 models, skip to Steps 17-20.

12. Disconnect the driver's side front brake hose from the caliper. Retain the banjo bolt and discard the crush washers.
13. Disconnect the hard line from the brake hose fitting at the frame. Remove the hose fitting retaining bolt and remove the hose from the vehicle.
14. Route the new stainless steel brake line through the original brake line hole in the frame and attach it to the hard line. Tighten the fitting securely using a 3/4" wrench to hold the replacement line fitting in place directing the line slightly towards the strut (Fig 3A). Fasten the line to the frame with the provided retaining clip. (Fig. 3B)

FIGURE 3A

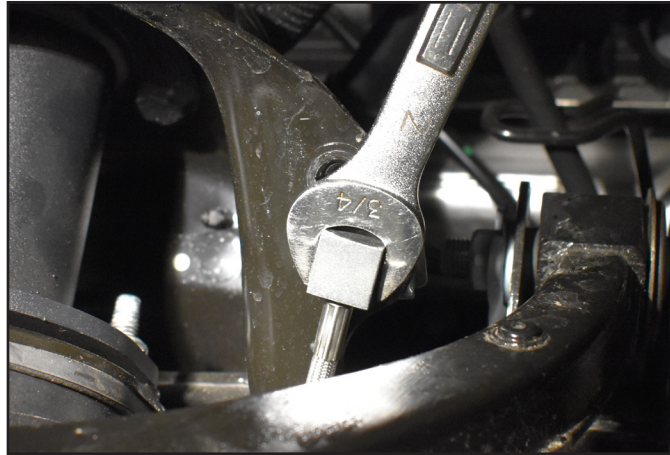
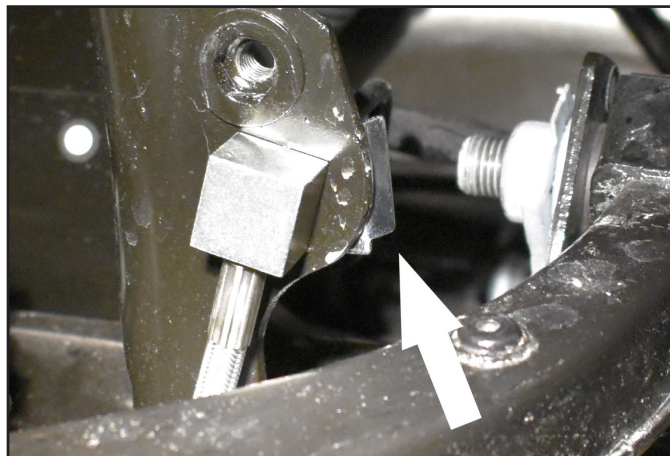
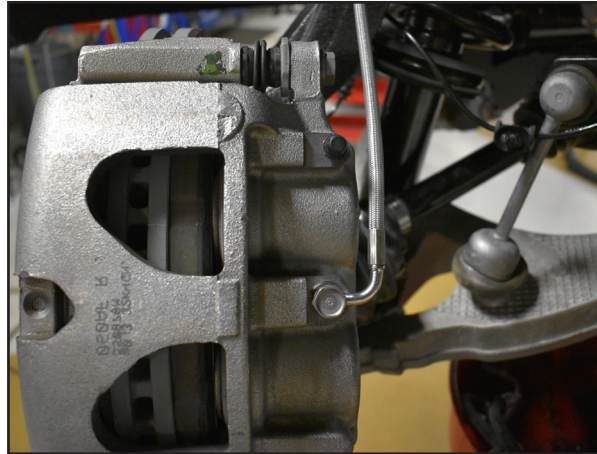


FIGURE 3B



15. Attach the opposite end of the new brake line to the caliper with the OE banjo bolt and one new crush washer on each side of the fitting. Torque the banjo bolt to 18 ft-lbs. **(Figure 4)**

FIGURE 4



16. Repeat brake line installation on the passenger's side of the vehicle.
17. **2025 model year:** Disconnect the brake line hardware from the strut tower and pull the brake line through the mount. Cut a slot to allow the brake line to be removed from the frame. If you do not wish to cut on the coil bucket, the line can be disconnected and reconnected after it is removed from the frame. If the line is disconnected the brakes must be bled once the installation is completed. **(Figure 5)**

FIGURE 5



18. Attach the provided brake line relocation bracket to the frame (03888) where the original line mounted. Torque the factory bolt to 15 ft-lbs and the 1/2" bolt to 56 ft-lbs. The brake line drop bracket hardware is located in bolt pack 631.
19. Carefully reform the hard-line to gain additional length. Attach brake line to the relocation bracket with 5/16" x 3/4" bolt, nut, and washers. Torque to 13 ft-lbs. **(Figure 6)**

FIGURE 6



20. Repeat brake line relocation bracket installation on the passenger's side of the vehicle.
21. Remove the brake caliper anchor bracket bolts and pull the caliper free from the steering knuckle and rotor. Hang the caliper securely out of the way. Retain caliper mounting hardware.



Tip Do not allow the brake caliper to hang from the brake hose.

22. Carefully remove height adjustment sensor linkage from upper control arm using appropriate pry bar. (**Figure 7**)

FIGURE 7



23. Remove the brake rotor torx screw from the hub using a T30 Torx bit. Remove brake rotor from the hub.
24. 2019-2024 model years, remove ABS Sensor from outer hub (**Figure 8A**) Route ABS line behind the rotor dust shield , remove from remaining abs clip and remove from vehicle. 2025 model year, remove the ABS sensor from the knuckle and tuck the wires/sensor out of the way (**Figure 8B**).

FIGURE 8A

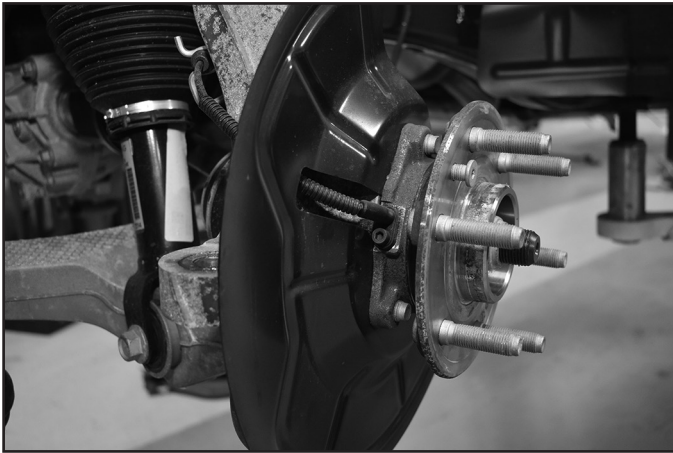
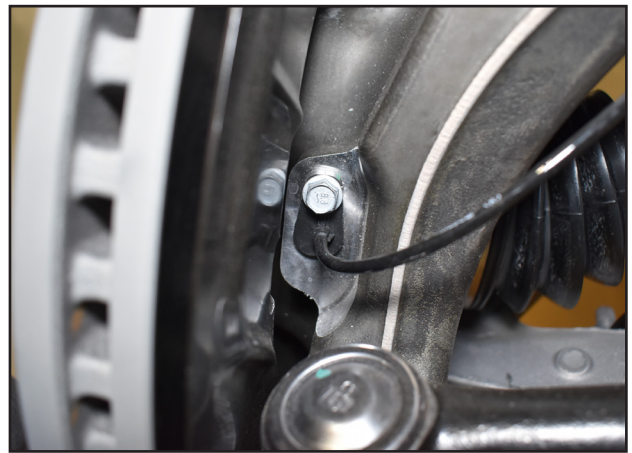
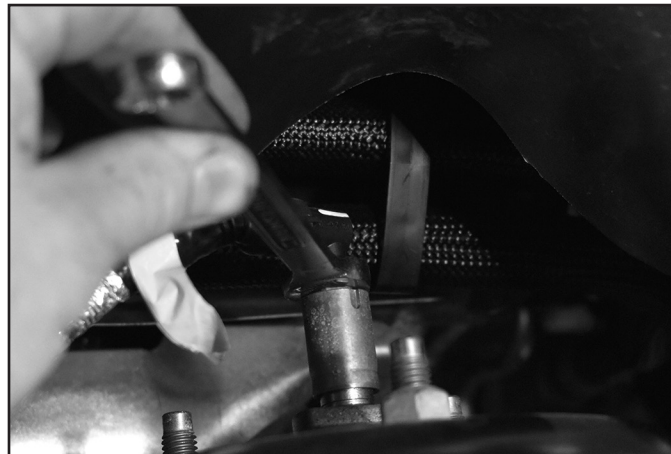


FIGURE 8B



25. Remove the hub axle nut using a 35mm socket. Retain nut.
26. Loosen but do not remove the lower control arm bolts.
27. Disconnect the CV axles from the differential by carefully prying or tapping on the CV at the differential to disengage the internal retaining clip. Pry the shaft out just enough to release the clip and leave the axle on the differential at this time.
28. Support the lower control arm with a hydraulic jack. First remove the air line by loosening up the upper air line fitting, followed by removing the three air spring to frame mounting nuts (**Figure 9**).

FIGURE 9



29. Loosen the air spring-to-lower control arm hardware. Remove the nut from the bolt and leave the bolt in place to temporarily retain the air spring to the lower control arm. Retain the nut.
30. Remove the upper and lower ball joint nuts. Reinstall the nuts a few turns by hand. Separate the upper and lower ball joints from the steering knuckle using the appropriate puller. Take care not to damage the ball joint.
31. Remove the upper ball joint nut. Lower the jack enough to allow removal of the air spring and shock assembly. Remove the lower mounting bolt and remove the air spring from the vehicle. Mark the air bag from the appropriate side (driver's or passenger's). Retain mounting bolt and upper ball joint nut.
32. Continue to lower the jack allowing the knuckle, CV axle and lower control arm to swing down. Slide the CV axle off of the differential. Remove the CV axle from hub.
33. Remove the lower ball joint nut and remove the knuckle from the lower control arm. Retain the lower ball joint nut.
34. Repeat the knuckle removal process on the other side.
35. Remove the three bolts mounting the hub bearing assembly to the OE steering knuckles. Retain the mounting bolts. Remove the hub assembly and dust shield from the knuckle.
36. Remove the lower control arms from the frame. Retain hardware.
37. Make indexing marks on the front drive shaft and differential input flange for realignment later (**Figure 10**). Remove the four bolts and disconnect the drive shaft from the differential. Support the driveshaft to keep the CV boot from binding. Discard mounting bolts.



Tip Failure to support the driveshaft can lead to pinching the rubber boot at the CV joint which can damage the seal causing a leak and premature wear on the joint.

FIGURE 10



38. Remove sway bar mounts from frame and remove sway bar assembly. Retain Hardware.
39. Remove the four bolts mounting the OE rear crossmember (**Figure 11**) to the frame rails and remove the crossmember from the vehicle. Discard the crossmember and the hardware.

FIGURE 11



40. 2019-2024 Model Years Proceed with Steps 41-43 for removing the front differential. For 2025 and newer model years, skip to Steps 44-58.

41. Using a jack, support the differential. Loosen and remove the two forward-most differential mounting bolts on the driver's side (**Figure 12**) you may need to manipulate the wiring harness location in order to give enough clearance for these bolts to come loose.



Tip If using a ratcheting wrench, make sure it is reversible as you may get into a position where it gets stuck on the rib of the differential.

FIGURE 12



42. Loosen but do not remove the three rear driver's side bolts (**Figure 13A**) and the two passenger's side bolts (**Figure 13B**). On the passenger's side, if equipped, remove the differential actuator cable bracket, it will not be reused. Disconnect the wiring connector from the differential.

FIGURE 13A

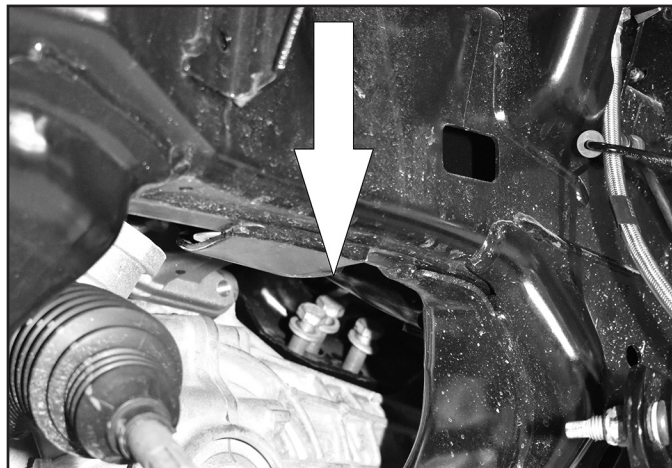


FIGURE 13B

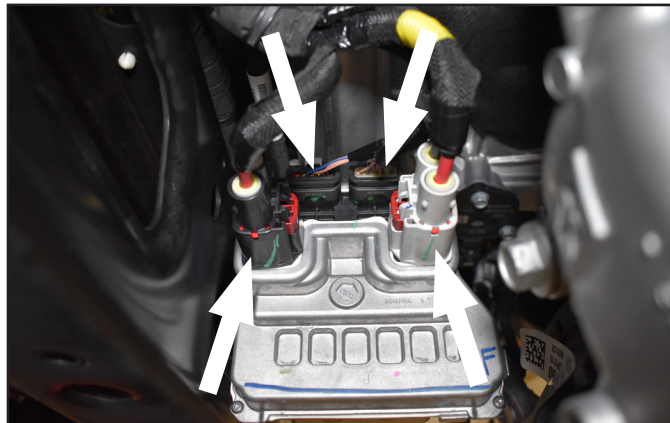


43. With the differential securely supported, remove the remaining bolts and lower the differential from the vehicle.
44. For 2025 model year, it is recommended the steering rack be removed to aid in removal of the front differential.

IMPORTANT!! Ensure steering wheel is positioned so both front wheels are straight forwards. Lock steering wheel in place before working on the steering rack.

45. Disconnect the four plugs from the steering rack. (Figure 14)

FIGURE 14



46. Disconnect the steering rack wiring harness from frame with a trim tool and reposition harness plugs up and out of the way. (Figure 15)

FIGURE 15



47. With a marker, make an indexing mark between the steering gear and intermediate steering shaft. Disconnect intermediate steering shaft to steering gear pinch bolt. **(Figure 16)** Save bolt for reinstallation.


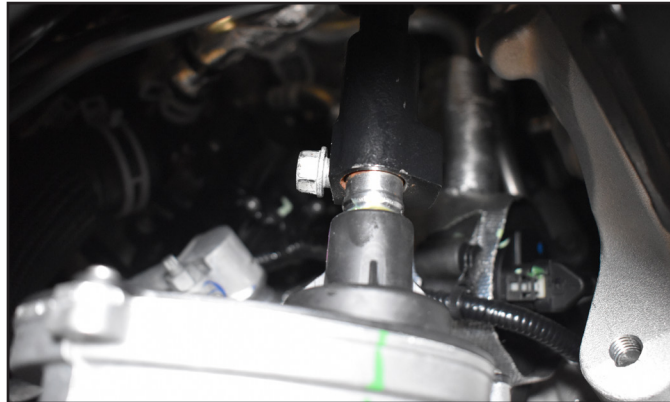
 **Tip** *Bolt should be accessible if steering wheel is in wheels-straight forward orientation.*

FIGURE 16



48. Support the steering rack and remove the two mounting bolts at the front crossmember. Save for reinstallation. **(Figure 17)**

FIGURE 17



49. Disconnect the Front Axle Disconnect (FAD) wire harness connector and wire clips at the frame. **(Figure 18A, 18B)**

FIGURE 18A

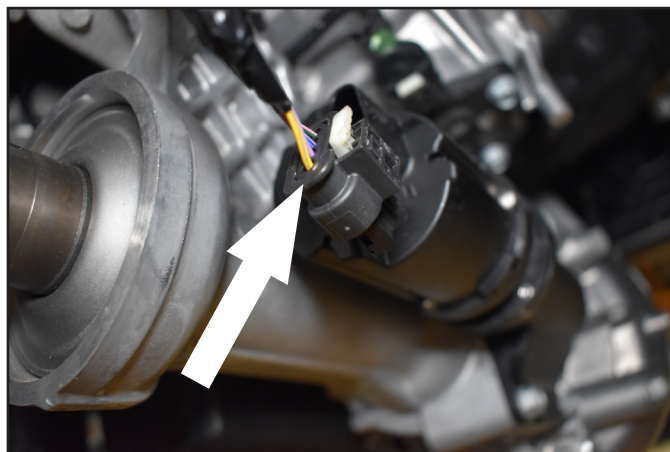
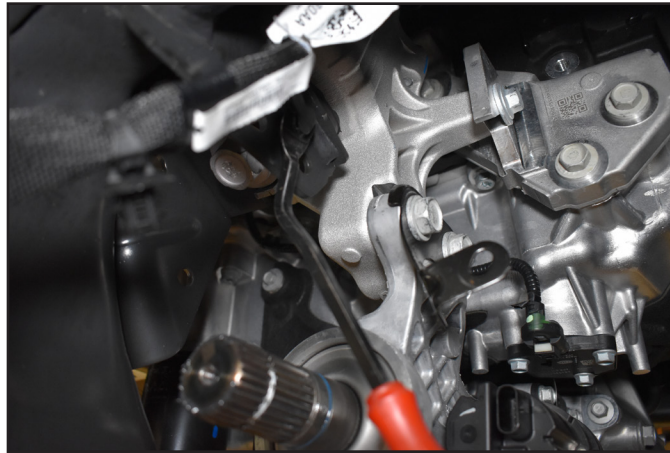


FIGURE 18B



50. For 2025 trucks equipped with 3.0L I6 Hurricane engines, follow Steps 51-55. For 2025 trucks equipped with 3.6L V6 Pentastar engines, follow Steps 56-58.

51. Trucks with 3.0L I6 Hurricane Engines: Disconnect three transmission coolant line brackets to allow better access when removing the differential mounting bolts. Front bracket uses a 13mm wrench or deep well socket, and a 6" minimum extension. **(Figure 19A, 19B).** Start at the first bracket near the A/C compressor following the lines rearward. Save hardware for reinstallation.

Note: Trucks with 3.6L V6 do not need to disconnect the transmission coolant lines to gain better access to differential.

FIGURE 19A

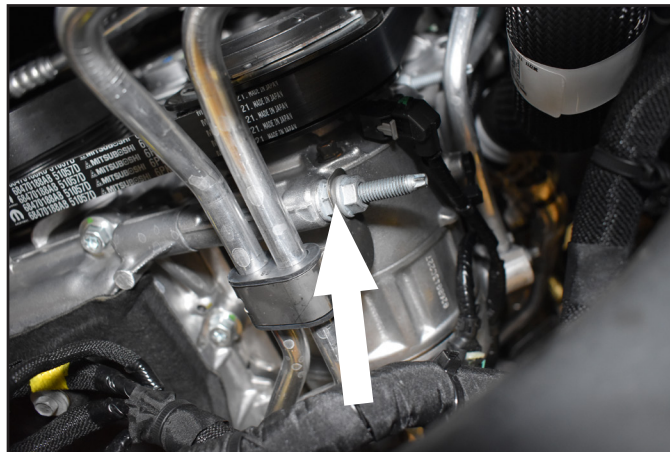
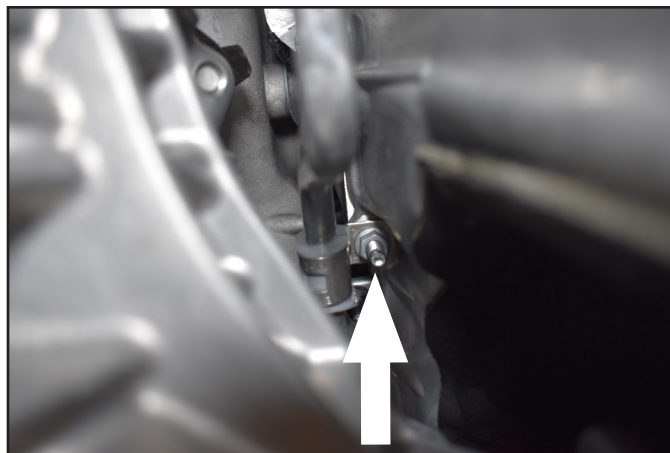


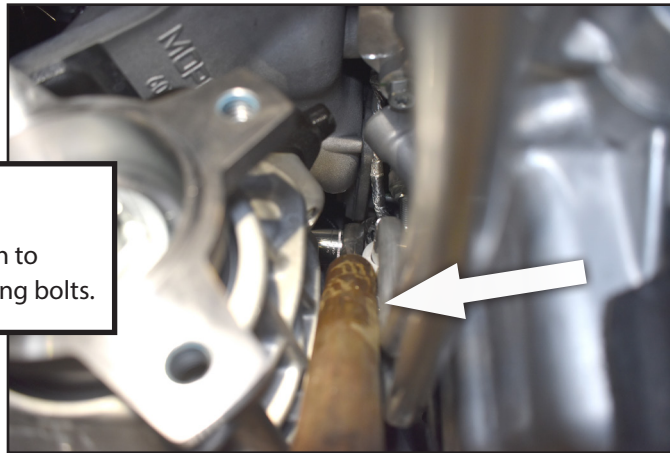
FIGURE 19B



52. Remove two upper differential bolts using a 18mm chrome short socket and a cheater bar to break free. Loosen the bolt half way, then switch to an 18mm swivel ratcheting wrench. Remove the front bolt using an 18mm chrome short socket. **(Figure 20A, 20B)**

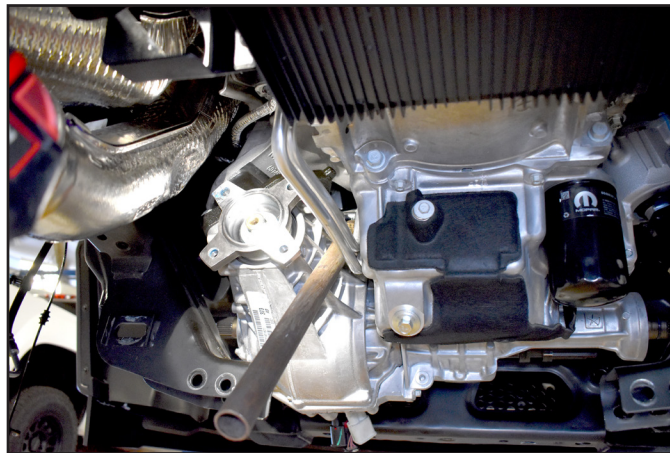
NOTE: Bolt is too long to run out all the way with a ratchet and will become lodged in place.

FIGURE 20A



Tip: Cheater bar can be used on ratcheting wrench to loosen differential mounting bolts.

FIGURE 20B



53. If vehicle is on a hoist, place a transmission jack under the differential. If working on the ground, support the differential with a floor jack.
54. Remove the three rear differential bolts at the engine mount-to-differential spacer using a 12" extension with 19mm short socket, swivels at both impact and socket. Access is best from the wheel well, over the frame. (**Figure 21A, 21B**)


 **Tip** *Have an assistant help guide sockets to bolt heads as necessary.*

FIGURE 21A

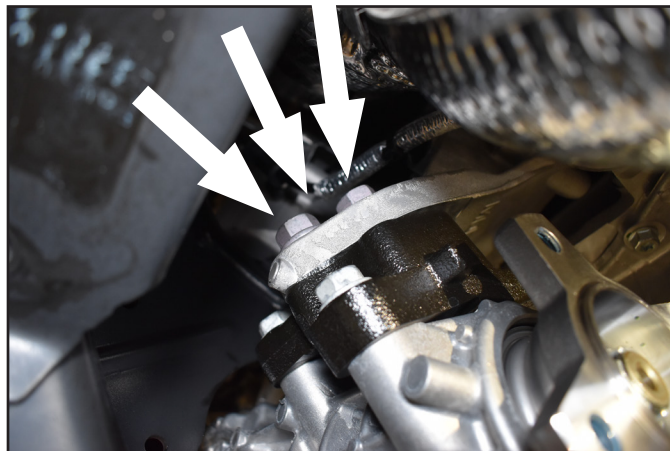
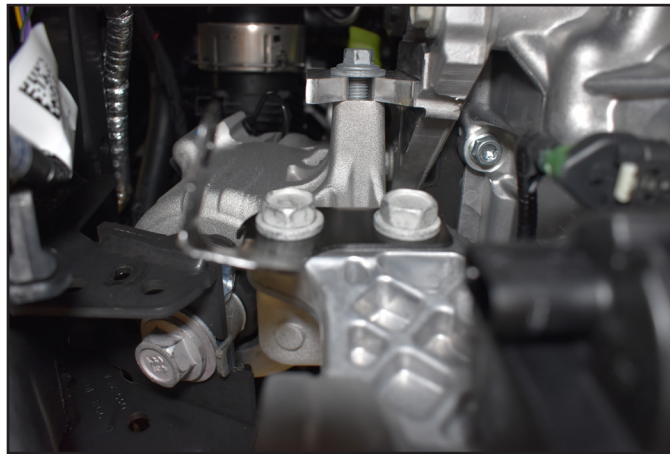


FIGURE 21B



55. Remove two front differential bolts (passenger side) using an 18mm socket. It may be necessary to loosen with an impact then complete removal with a ratchet. **(Figure 22)** Securely support the differential and lower from the vehicle.

FIGURE 22

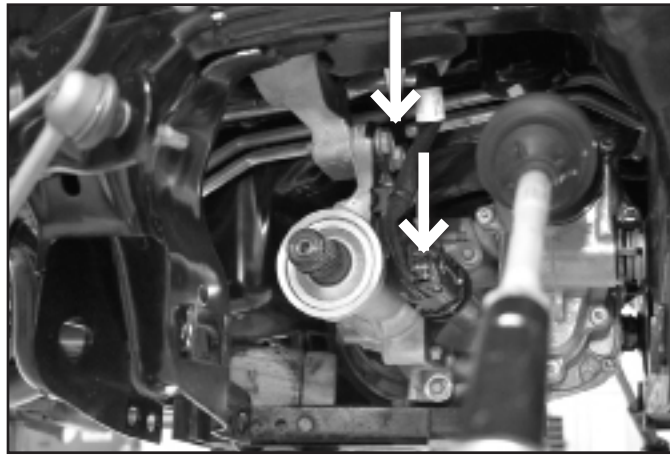


56. **3.6L V6 Pentastar engines:** Loosen but do not remove the three rear driver's side bolts **(Figure 23A)** and the two passenger's side bolts **(Figure 23B)**. On the passenger's side, if equipped, remove the differential actuator cable bracket: it will not be reused. Disconnect the Front Axle Disconnect (FAD) wiring connector from the differential.

FIGURE 23A



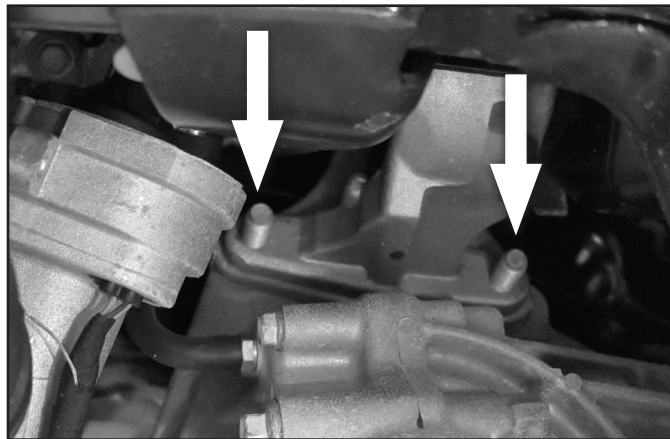
FIGURE 23B



57. Ensure the differential is supported. Loosen and remove the two forward-most differential mounting bolts on the driver's side, manipulating the wiring harness location in order to gain clearance. **(Figure 24)**

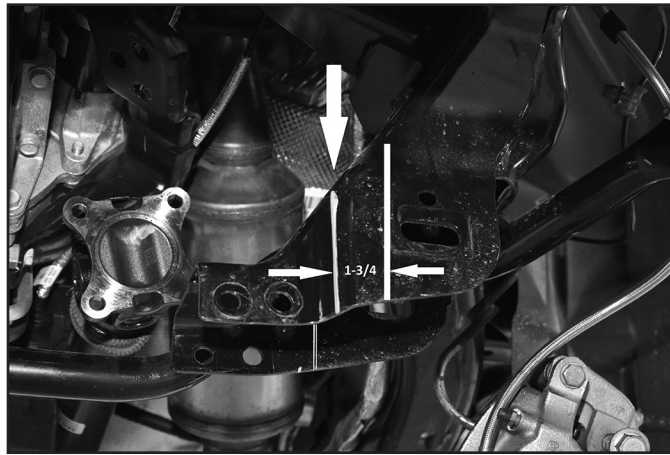
TIP: If using a ratcheting wrench, make sure it is reversible as you may get into a position where it gets stuck on the rib of the differential.

FIGURE 24



58. Remove three bolts on driver rear side and with the differential securely supported, lower the differential from the vehicle.
59. The driver's side rear lower control arm pocket must be trimmed to provide clearance for the differential in its lowered position. Measure inward from the inside edge of the alignment cam slot 1-3/4" and mark. Repeat on the opposite side of the pocket. Make a continuous line connecting the two marks over the top edge of the pocket. Trim the pocket on the line with a sawzall or cut off wheel. Paint any exposed metal to prevent corrosion **(Figure 25)**.

FIGURE 25



60. Cut the rear passenger side as shown in **(Figure 26A,26B)**. Mark 3" from inside edge, cut up to bend in stamped bracket and then cut straight out perpendicular to the angled surface. Cut using a sawzall or equivalent. Paint exposed metal to prevent corrosion.

FIGURE 26A

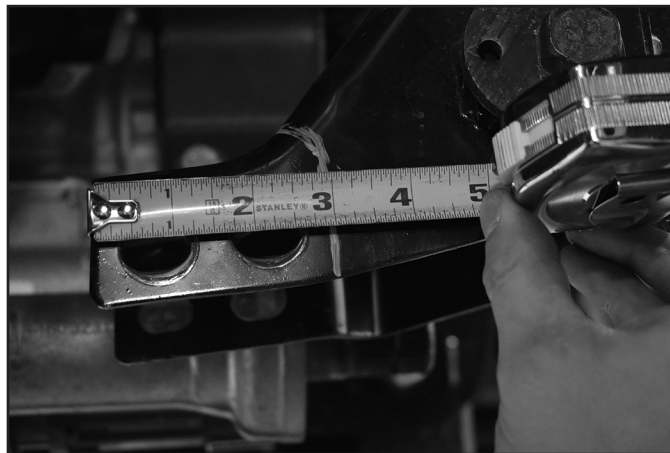
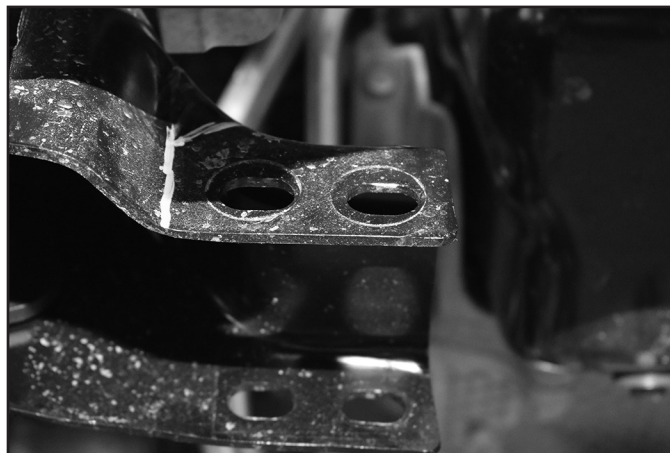


FIGURE 26B



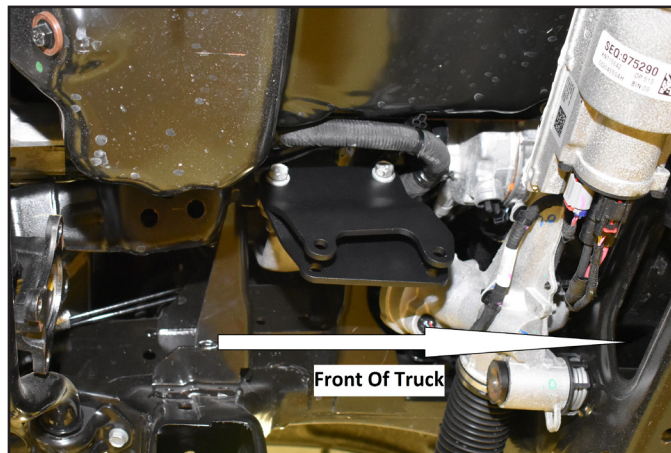
61. Install the provided passenger's side differential drop bracket (03658) to the original frame mount with OE hardware. The brackets should be installed offset forward as shown **(Figure 27)**. Leave hardware loose.

FIGURE 27



62. Install the two front driver's side front differential drop brackets so that the bracket without the lower cutout (03655) is toward the outside of the vehicle (offsetting out) and the one with the cutout (03656) is on the inside (offsetting in). Fasten the brackets to the frame with OE bolts with thread locker into the factory threaded holes. Leave hardware loose. **(Figure 28)**

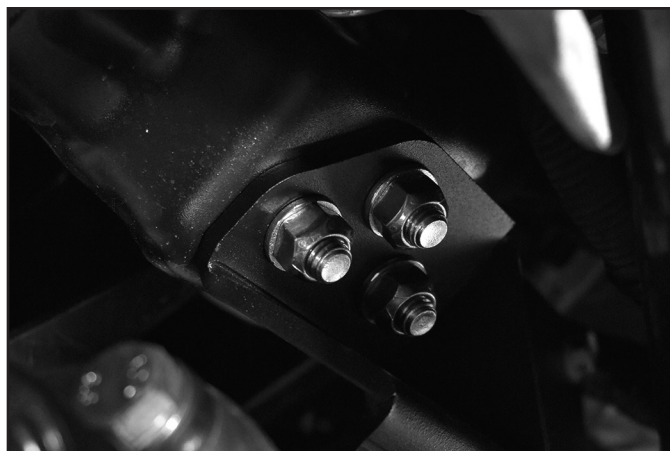
FIGURE 28



- 63. 2019-2024 model years, proceed with steps 64-69. For 2025 and newer model years, skip to Steps 70-80.**

64. Install the driver's side rear differential drop bracket (03661) to the OE mount location with three 1/2" x 1-1/2" bolts and 1/2" SAE washers (BP #480). **(Figure 29)** The bracket will have the gusset plate towards the front of the vehicle. Leave hardware loose.

FIGURE 29



65. Using a jack (and an assistant to aid in balancing) raise the differential up to the new brackets.

66. Attach the differential to the driver's side front bracket and passenger's side bracket with 12mm x 60mm bolts, nuts and washers (BP #480). Use the 1/4" washers (01499) on both sides of the differential and between the front diff brackets. (Figure 30A, 30B)

FIGURE 30A



FIGURE 30B



67. Attach the drivers side rear bracket to the differential with 12mm x 40mm bolts and washers (BP #480). Leave all differential hardware loose. (Figure 31).

FIGURE 31



68. Attach the Passenger side differential to the bracket using 12mm x 55mm bolts and washers. (BP 480) (Figure 32)

FIGURE 32



69. Torque differential mounting bolts: Start by tightening the driver side new brackets to the factory mounting positions (upper bolts), then working your way from driver side to passenger side tightening the brackets to the differential (lower bolts). Torque 1/2" hardware to 80 ft-lbs and the 12mm hardware to 70 ft-lbs.
70. **2025 model years with 3.0L I6 Hurricane engines:** Apply thread locker and loosely install rear drop bracket (05621) to the differential with the OE hardware. Three holes on the provided bracket mount to the cast spacer, three slots upwards to the engine mount. **(Figure 33)**



Tip 3.0L rear differential drop bracket has two gussets and mounting holes on the differential mounting surface. 3.6L rear bracket has one gusset and slots on the differential mounting surface.

FIGURE 33



71. Using a jack and an assistant to aid in balancing, raise the differential up to the driver and passenger side drop brackets.
72. Attach the differential to the driver's side front bracket and passenger's side bracket with 12mm x 60mm bolts, nuts and washers (BP #480). Use the 1/4" washers (01499) on both sides of the differential and between the front diff brackets. **(Figure 34A, 34B)**

FIGURE 34A

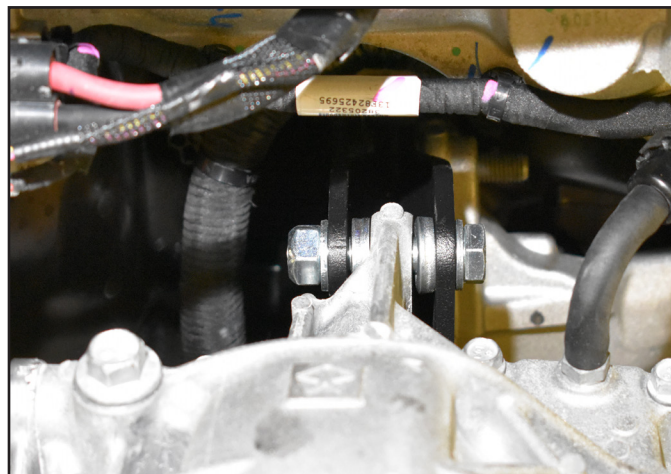


FIGURE 34B



73. Fasten z-differential drop bracket to the engine mount with 1/2"-13 x 1-1/2" bolts, 1/2" SAE washers, and prevailing torque nuts. Do not torque at this time. Hardware for the differential drop brackets is located in bolt pack 480.
74. Torque differential mounting bolts: Start by tightening the driver side new brackets to the factory mounting positions (upper bolts), then working your way from driver side to passenger side tightening the brackets to the differential (lower bolts). Torque 1/2" hardware to 80 ft-lbs and the 12mm hardware to 70 ft-lbs.
75. **3.6L V6 Pentastar engines:** Install the driver's side rear differential drop bracket (03661) to the OE mount location with three 1/2" x 1-1/2" bolts and 1/2" SAE washers (BP #480). The bracket gusset plate faces towards the front of the vehicle (**Figure 35**). Leave hardware loose.

FIGURE 35



76. Using a jack and an assistant to aid in balancing, raise the differential up to the new brackets.
77. Attach the differential to the driver's side front bracket and passenger's side bracket with 12mm x 60mm bolts, nuts and washers (BP #480). Use the 1/4" washers (01499) on both sides of the differential and between the front diff. brackets. (**Figure 36A, 36B**)

FIGURE 36A

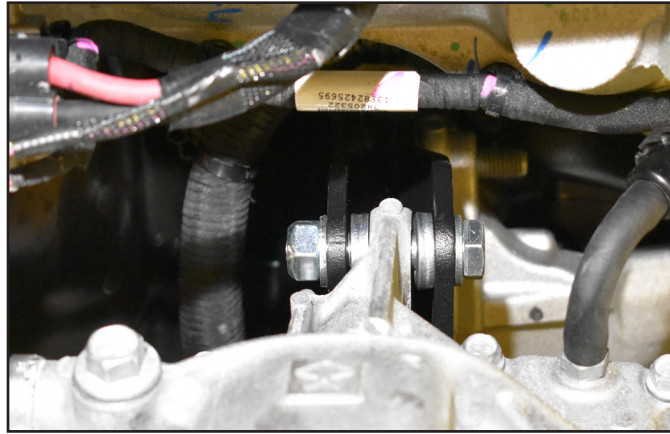
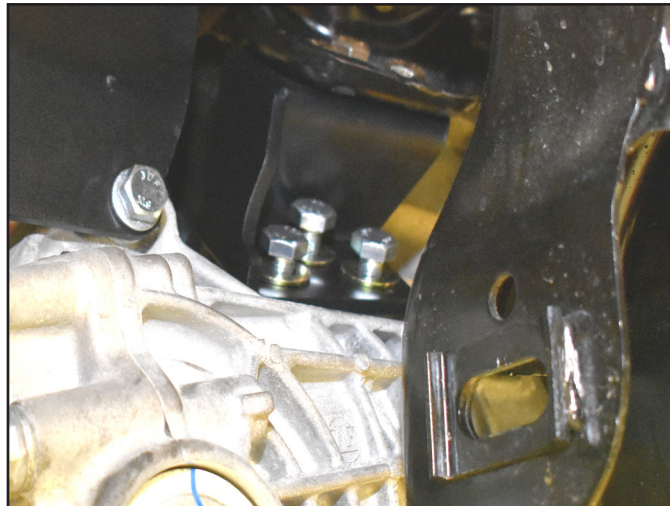


FIGURE 36B



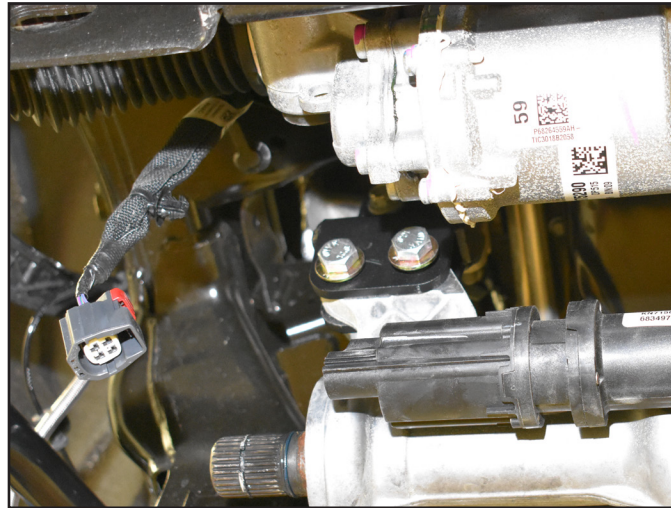
78. Attach the drivers side rear bracket to the differential with 12mm x 40mm bolts and washers (BP #480). Leave all differential hardware loose. (Figure 37).

FIGURE 37



79. Attach the passenger side differential to the bracket using 12mm x 60mm bolts and washers. (BP 480) (Figure 38)

FIGURE 38



80. Torque all 14 differential mounting bolts, start by tightening the new brackets to the factory mounting positions (upper bolts), then work your way from driver side to passenger tightening the brackets to the differential (lower bolts). Torque the 1/2" hardware to 80 ft-lbs and the 12mm hardware to 70 ft-lbs.
81. **BOTH ENGINE PLATFORMS:** Locate the Front Axle Disconnect (FAD) wiring harness. Remove from factory clips to give enough slack to reach the differential. Reattach connector to the differential and tie up extra slack with provided zip ties.
82. Install the new front crossmember (03946) in the OE front lower control arm pockets (Fig. 39B) and loosely fasten with the provided 18mm x 150mm bolts, nuts in conjunction with the provided rectangle 3 position cam slot washers (03982).
- Note: The offset in the crossmember goes to the front, bolts run from front to rear.*
83. The provided 3 position cam washers allow for adjustability to compensate for frame variances. (Fig 39A). When installing cam washers determine what position best fits your frame. Make sure whatever position the came washer fits best in, the other side is the opposite. For example, if your frame is wide, you would offset your cam washers so the hole is towards the outside of the vehicle on either side.

FIGURE 39A

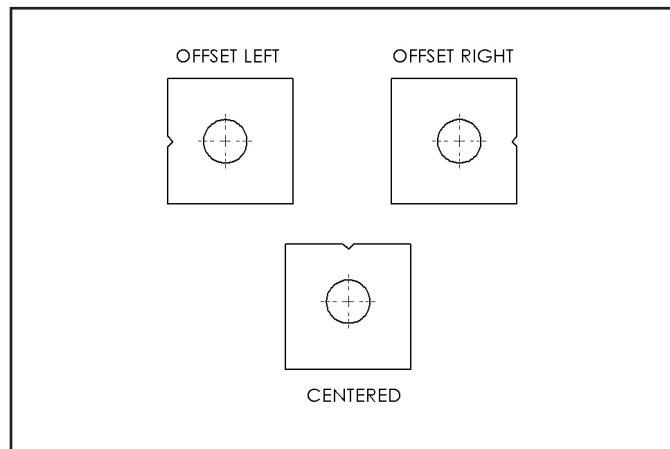


FIGURE 39B



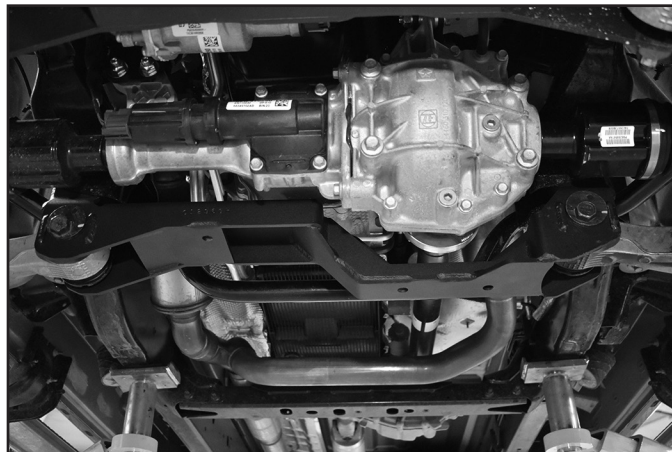
84. Install Sway Bar drop Brackets using OE hardware in the upper sway bar mounts (03931/03932) Lower tabs on Sway bar mount brackets must go in the rear OE cam slots (**Figure 40**).

FIGURE 40



85. Install the new rear crossmember (03947) in the OE rear lower control arm pockets and loosely fasten with the provided 18mm x 150mm bolts, nuts in conjunction with the provided rectangle 3 position cam slot washers (03982). Run the bolts from front to rear and leave loose at this time. (**Figure 41**)

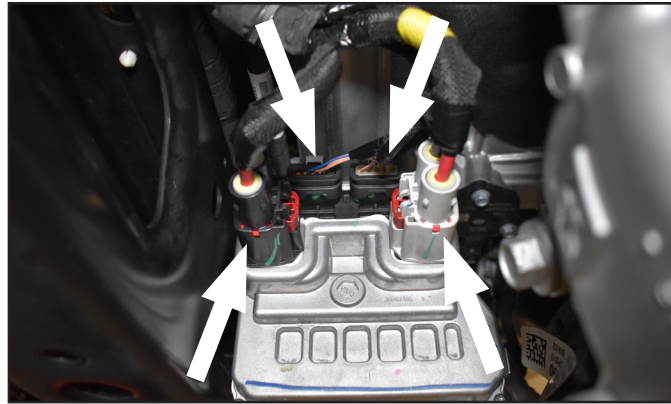
FIGURE 41



86. **2025 model years:** Verify Front Axle Disconnect (FAD) wiring harness slack to the front differential.

87. Re-install the steering rack to frame using the OE bolts, torque hardware to 118 + 90° ft-lbs. Reconnect the four wiring plugs. **(Figure 42)**

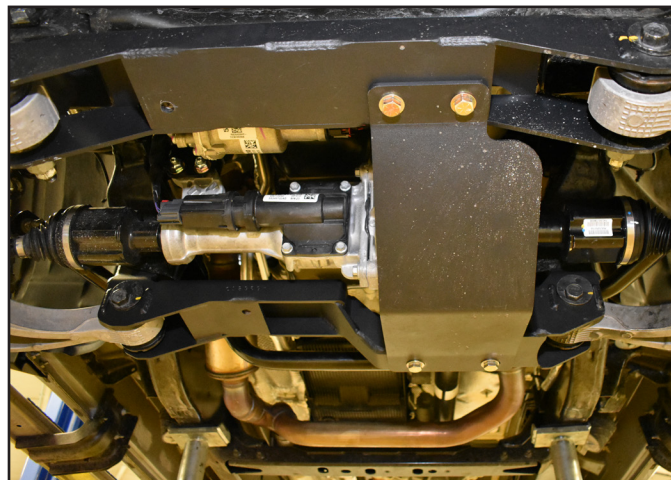
FIGURE 42



88. Re-attach the intermediate steering shaft to the steering gear aligning the indexing marks. Torque pinch bolt to 41 ft-lbs.

89. Install the new differential skid plate to the front crossmember. Place cushion washers (B1280, 2025 models) between skidplate (01298) and crossmember mounting points and install skidplate with two, ½" x 1-1/4" bolts and ½" SAE washers (BP #480) into the welded nuts in the front crossmember. Install the back of the skid plate to the rear crossmember with remaining two cushion washers, ½" x 1-1/4" bolts and ½" SAE washers (BP #480) into the welded nuts in the crossmember. Leave hardware loose. **(Figure 43)**

FIGURE 43



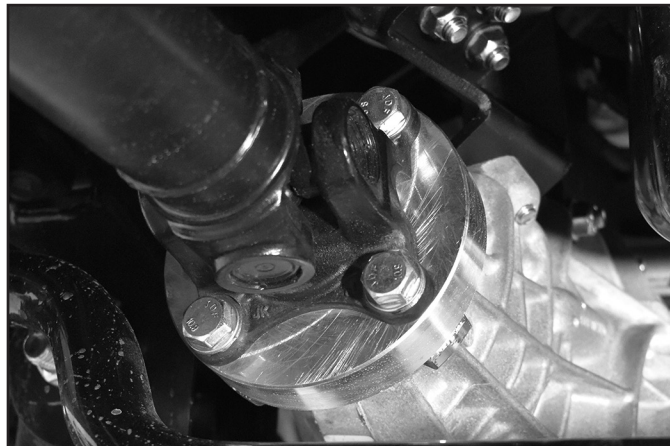
90. Install the lower control arms in the front and rear crossmembers. Attach the control arms to the crossmembers with the OE cam bolts, washers and nuts running from front to rear. Leave hardware loose. **(Figure 44)**

FIGURE 44



91. With the lower control arms installed, torque the 18mm crossmember mounting bolts to 220 ft-lbs. Torque the 1/2" differential skid plate hardware to 65 ft-lbs.
92. Install the provided drive shaft spacer (02242) on the differential input flange. Attach the front driveshaft to the differential by aligning the marks made earlier. Fasten the driveshaft and spacer to the differential flange with 12mm x 45mm bolts and 12mm washers (BP #663). Use thread locker on the bolt threads and torque to 55 ft-lbs. **(Figure 45)**

FIGURE 45



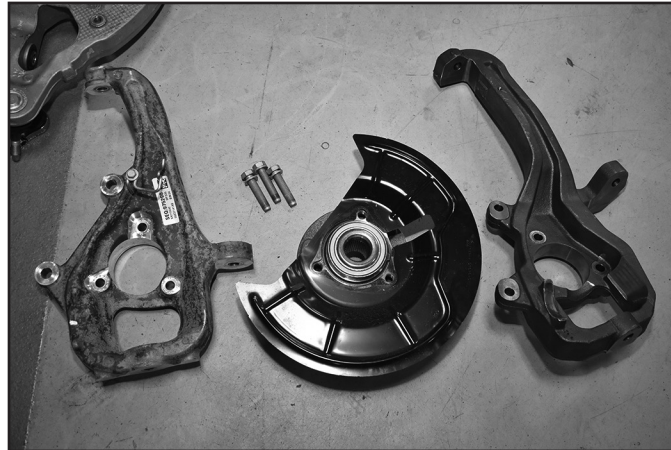
93. On some new vehicles it is necessary to trim a splash guard located on the transmission shift linkage to clear the drive shaft. **(Figure 46)**

FIGURE 46



94. Install the hubs in the corresponding new knuckles (03494/95 or 03696/97 for 2019-2024 model years, for 2025 model year 05624/25 or 05626/27) and fasten with the stock mounting bolts. Index the hub so that the ABS line runs out the front side of the knuckle toward the steering arm. Use Thread locker on the bolt threads and torque to 125 ft-lbs. **(Figure 47)**

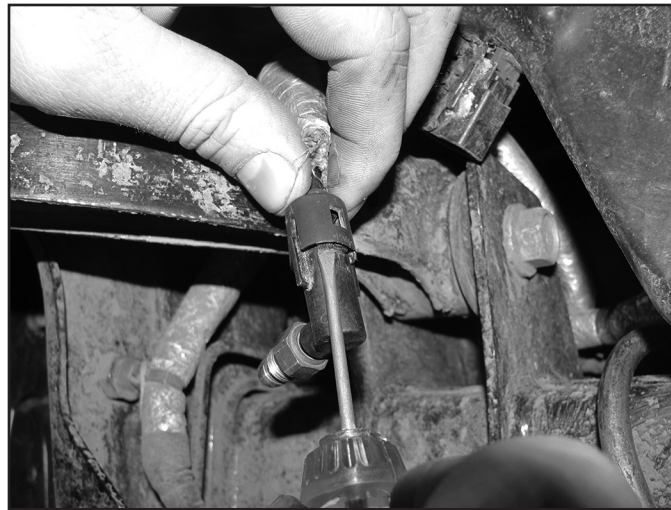
FIGURE 47



FRONT AIR LINE & SPACER INSTALL

95. Remove the factory 90 degree air fitting from the air line using a small screwdriver to release the clips. **(Figure 48)**

FIGURE 48



96. Remove the white plastic ferrule retainer on the provided fittings located in the rear box kit 022259 **(Figure 49A)**. Slide the fitting and ferrule on the end of one of the provided pieces of air line. **(Figure 49B)** Leave approximately 1/16" of air line past the end of the ferrule to ensure it doesn't slide off when installing it into the air bag. Don't leave too much line sticking past the ferrule or it will prevent air flow into the bag.



Tip

If the supplied air lines are slightly crimped at the ends from being cut from the factory, cut off that section with a razor blade with a slight angle to ensure a good seal on the o-rings. There is more than enough length available.

FIGURE 49A

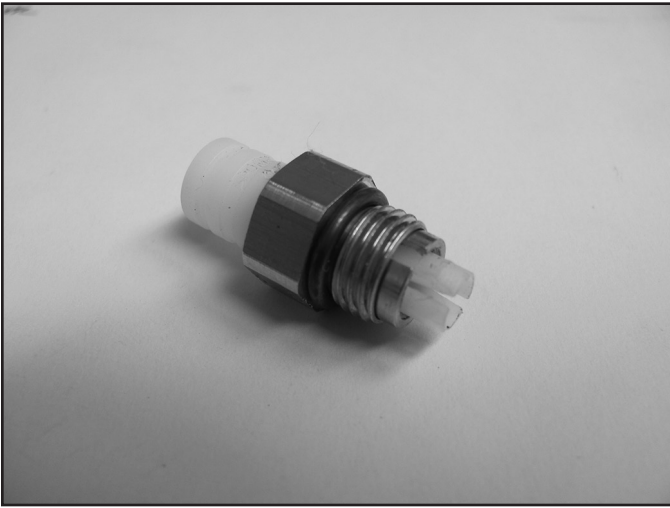


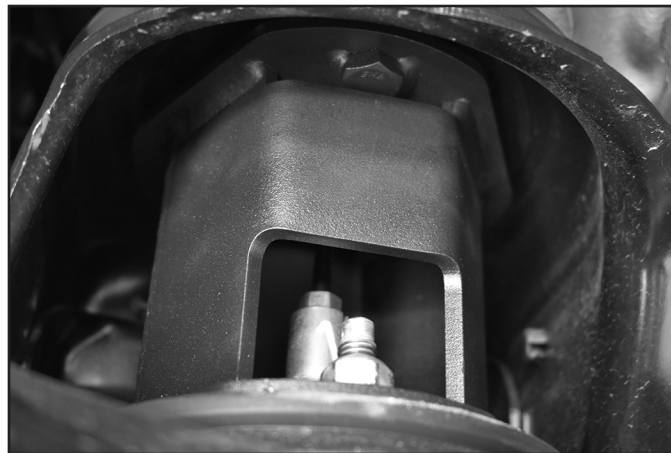
FIGURE 49B



Note: The tapered side of the ferrule goes towards the fitting as shown in Figure 49B.

97. Attach the new air line to the top of the air spring and repeat the process for the opposite side air bag. Tighten to 44 in-lbs.
98. With the air lines installed, install the front air spring spacers (02776) with the original mounting hardware to the top of the air springs. Torque nuts to 30 ft-lbs. (**Figure 50**)

FIGURE 50



99. Loosely install the air bag assemblies on the appropriate sides of the truck with the provided 10mm nuts and washers (BP 1024) on the spacer studs.
100. Locate the 90 degree push-to connect air line fittings. Slide the OE air line clip down the line enough to clear the fitting and push the fitting on the OE line and to the provided line installed earlier on the air bag.

! Caution

If the system has a leak, it may require a trip to a Ram dealer to have the system recharged. Use care to prevent any leaks. Verify both ends of the push to connect fittings are secure by pushing it on until it bottoms and then gently pulling to ensure it is sealed. The colored retainers should be pulled all of the way out from the fitting when properly attached.

101. Install the new driver's side steering knuckle to the driver's side lower control arm ball joint and loosely attach with the original nut. Install the driver's side CV axle in the hub and loosely fasten with the original axle nut. Swing the knuckle/CV assembly up while aligning the axle with the differential output shaft. Loosely attach the strut to the lower control arm with the original hardware. Push the CV axle all the way onto the differential output to seat the internal retaining clip.
102. Support the lower control arm with a hydraulic jack and attach the knuckle to the upper ball joint with the OE nut.
103. Torque the upper ball joint nut to 55 ft-lbs and the lower ball joint nut to 60 ft-lbs. Torque the axle nut to 185 ft-lbs. Torque the upper strut-to-frame nuts to 30 ft-lbs.
104. Repeat knuckle/CV installation on passenger's side.
105. Route ABS line on back side of knuckle, through brake dust shield and into hub. Fasten with stock hardware and thread locker.

106. Install the brake rotor and caliper on the knuckle/hub. Torque the OE caliper bolts to 130 ft-lbs. Use thread locker on the caliper bolts.
107. Attach sway bar to sway bar extension mounts using 3/8-16" x 1-1/4" bolts, washers and prevailing torque nuts (BP 1024) (**Figure 51**) insert sway bar link into lower control arms and fasten using OE hardware.

FIGURE 51



108. Remove stock tie rod ends and replace with provided replacement tie rod ends (401-2038). Attach the tie rod ends to the new steering knuckles with the included nut. Torque to 55 ft-lbs. Securely lock off the jam nut. It is recommended to have approximately 2 threads left exposed past the jam nut for ease of alignment adjustment.
109. Reconnect the ABS wires at the frame.
110. Reconnect the height adjustment sensor linkage to upper control arm.
111. Route the brake and ABS lines around the back side of the knuckle. Attach the brake line and ABS wire with 1/4" hardware and clamps bolt pack #1024 to the threaded hole in the backside of the steering knuckle. Offset the clamps to the outside and into the inner cavity of the knuckle. Secure the ABS wire with zip ties at other locations to prevent any contact with rotating / moving parts. Ensure there is adequate slack and clearance between the brake line and suspension components. (**Figure 52**) The Brake line is designed to be tight between the mounting points to ensure there is no interference with the tire during the full cycle of the suspension

FIGURE 52

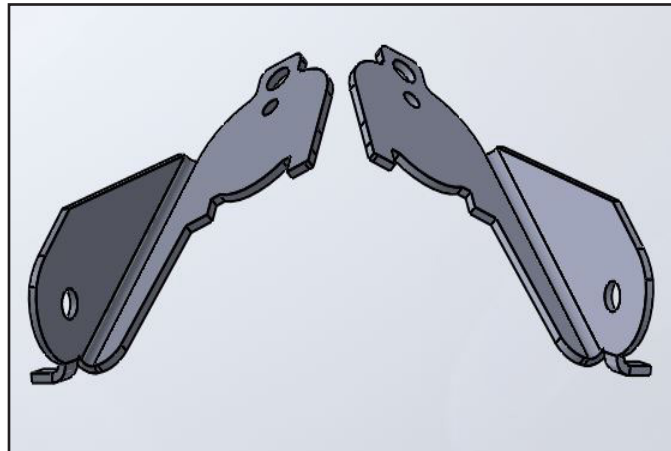



112. Reinstall front wheels. Torque to OE specifications, see owner's manual.
113. Lower the vehicle to the ground
114. Center the lower cams and torque lower control arm hardware to 125 ft-lbs. Torque the strut-to-lower control arm bolt to 125 ft-lbs.
115. If the front brakelines were disconnected or replaced, the front brakes must be bled before driving vehicle. Also do a final check to ensure the brake lines will not contact the tire or other moving components.
116. Check all fasteners for proper torque. Recheck all fasteners after 500 miles and at regularly scheduled maintenance intervals.

117. A complete front end alignment is required. Do not drive the vehicle with the steering wheel off center. This can cause unsafe driving conditions.

FRONT RIDE HEIGHT SENSOR BRACKET INSTALLATION (OPTIONAL)

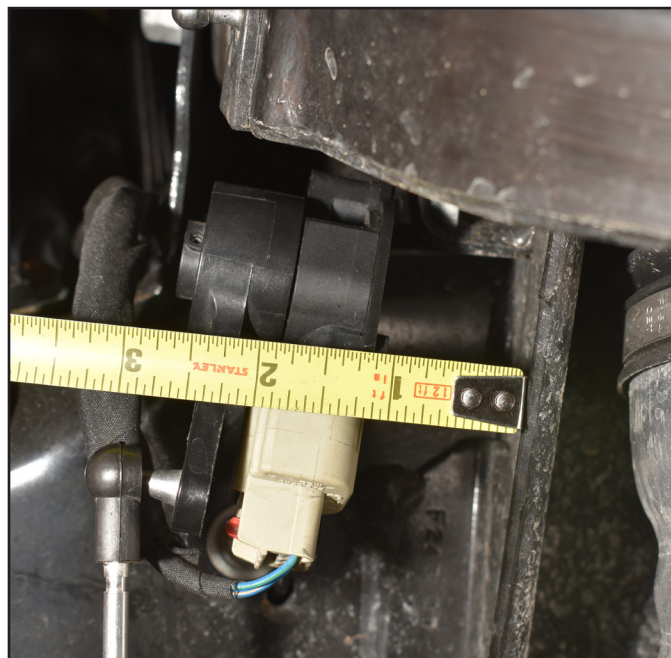
FIGURE 53



 **Tip** *If the truck sits with a tail low stance after kit installation and driving a minimum of 100 miles to ensure system re-learning has been achieved, the front ride height sensor brackets can be installed (05100-05101).*

118. Park the vehicle on a clean, flat surface and block the rear wheels for safety.
119. Turn off the air ride system through the vehicles control panel: Uconnect>settings>suspension,>tire jack mode>on.
120. Disconnect the ride height sensor linkage from the upper control arm using a trim tool to carefully pry it off of the ball stud.
121. Remove the factory air ride sensor bracket from the frame, then remove the sensor from the bracket.
Use care not to over rotate the sensor arm while it is disconnected from the vehicle and bracket
122. Locate the provided sensor brackets and match the factory brackets to each side. They are side specific.
123. Attach the sensor to the provided bracket on each side with the factory hardware.
124. Install the brackets to the frame with the factory bolt, and adjust it to where the rear edge of the bracket is 1-1/8" from the strut bucket as shown in (Figure 54).

FIGURE 54



125. After both brackets have been installed, turn on the air ride system through the vehicle control panel: Uconnect>settings>suspension>tire jack mode/Service Mode>off.
126. An additional complete front end alignment is required after sensor bracket installation. Do not drive the vehicle with the steering wheel off center. This can cause unsafe driving conditions.

REAR INSTALLATION INSTRUCTIONS

127. Park the vehicle on clean, flat, and level surface. Block the front wheels for safety.
128. Disconnect the rear trackbar from the axle, retain hardware.
129. Raise the rear of the vehicle and support the frame rails with jackstands.
130. Remove the wheels.
131. Support the axle with a hydraulic jack.
132. Remove the screws holding the inner fenders to gain access to the air bag fittings.
133. Using a wrench remove the air by loosening the air line fitting from the rear bags. Once air is released remove fitting from airbag. Release the clips and remove the air bags from the vehicle. **(Figure 55)**

! Caution

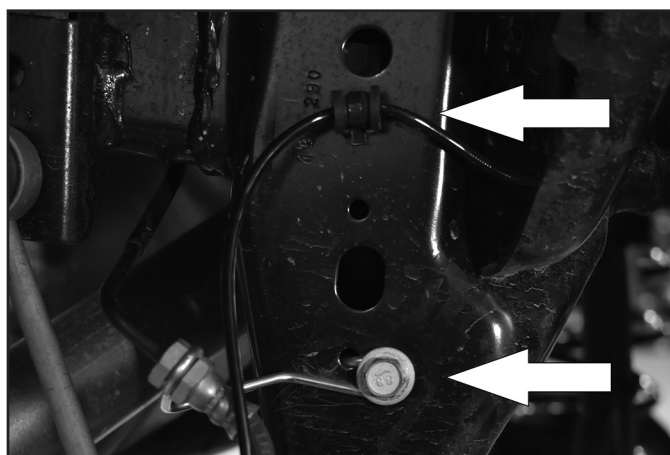
Use care not to over extend the bags once removed. The best way to ensure the bags do not become unrolled from the ends internally is to release the pressure from the bags with some of the vehicle weight on them. Use care when doing so as the vehicles ride height will suddenly drop. The air lines to the rear can be disconnected first at the distribution block which is on the passenger frame rail or passenger rear corner.

FIGURE 55



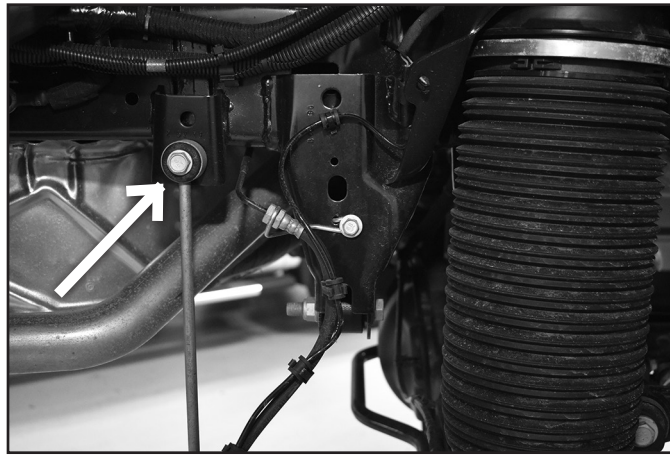
134. With the axle supported, remove the shocks. Retain the mounting hardware.
135. Disconnect brake line brackets from the outside of the frame rails. Remove the ABS wires from the retaining clips. **(Figure 56)**

FIGURE 56



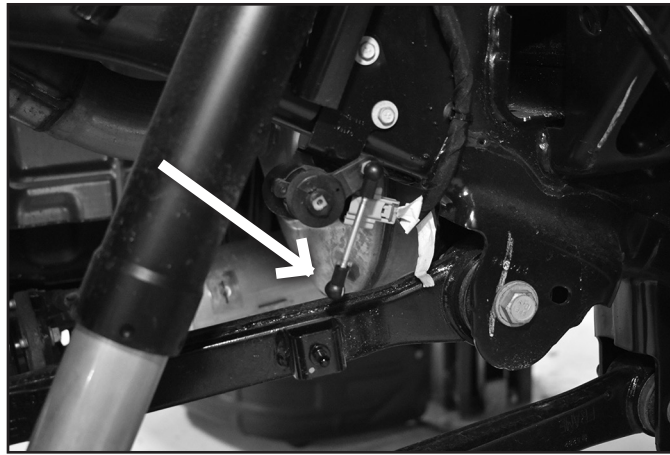
136. Remove rear sway bar links **(Figure 57)**.

FIGURE 57



137. Disconnect the ride height sensors from the upper control arm (**Figure 58**).

FIGURE 58



138. Disconnect the upper control arm from the axle. Loosen the upper control arm bolt at the frame rail, but do not remove (**Figure 59**). Retain hardware.

Note: Do one side at a time or support the front of the axle to prevent the axle from rotating.

FIGURE 59



139. Place the upper control arm relocation bracket over the pocket. The plate will be offset towards the inside of the vehicle. Use the 3/8-16 x 1-1/4" Bolt (BP483) to attach the bracket to the axle. Use the 5/8"-11 x 4-1/2" bolt, Prevailing Torque nuts, and SAE washers in stock control arm mount location (BP483). Use 110 sleeve between bracket tabs at stock mounting location. **See Figure 60A and 60B.**

FIGURE 60A



FIGURE 60B



140. Install the upper arm with the OE bolt. Leave control arm hardware loose at this time. Tighten 3/8" hardware to 35 ft-lbs, and 5/8" hardware to 95 ft-lbs.

141. Repeat UCA relocation bracket installation on opposite side (**Figure 61**)

Note: When installing the drivers side control arm relocation brackets, it may be necessary to trim the Fuel tank support bracket. To do so simply remove necessary material. This should not jeopardize the integrity of the fuel tank support bracket. Paint any exposed metal to prevent corrosion. Reconnect height adjustment sensor links to arms.

FIGURE 61- DRV. SIDE



REAR AIR BAG INSTALLATION

142. The brass air fittings on the ends of the factory lines will be need to be removed. Gently open the split in the ferrule to release it and slide it off of the air line. It's important to not scratch the OE line so it has a good seal on the provided fittings. If it does get scratched, cut that small section of line off. (**Figure 62**)

FIGURE 62

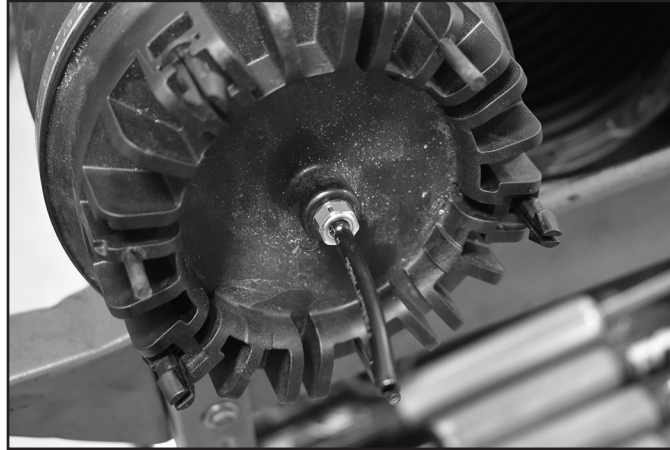


143. Install the provided fitting and ferrule on the end of one of the provided pieces of air line like was done for the front air lines. Attach the new air line to the air bag (**Figure 63**).



Tip If the supplied air lines are slightly crimped at the ends from being cut from the factory, cut off that section with a razor blade with a slight angle to ensure a good seal on the o-rings. There is more than enough length available, cut the line to an appropriate length.

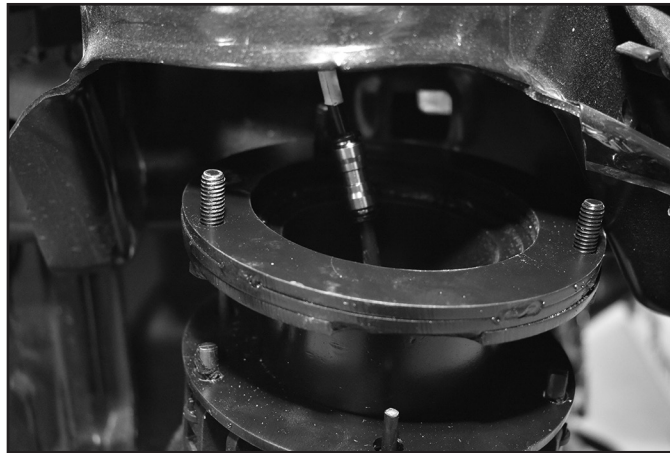
FIGURE 63



144. Attach the rear air bag spacers to the frame using the provided 5/16" nuts and washers (BP 457).

145. Install the rear air bags to the spacers. They will clip into place and will only install one way. (**Figure 64**)

FIGURE 64



Caution Before filling the air bags, it is important to temporarily remove the gaiter and verify the bag is still folded over BOTH ends. (Fig 65) If the bag has been overextended, the bag will need to be removed and compressed so the bag folds over both ends as shown. Leave gaiters loose so the bags can be checked again before the filling procedure.

FIGURE 65



Tip

One way of getting the ends of the air bag seated properly is to apply a small amount of air pressure using an air nozzle while simultaneously compressing the bag until the bag folds evenly over both ends. Refer to video linked to the listings for more details.

146. Locate the straight push to connect air line fittings and connect the factory air line to the provided air line attached to the air bag.



Caution

If the system has a leak, it may require a trip to a Ram dealer to have the system recharged. Use care to prevent any leaks. Verify both ends of the push to connect fittings are secure by pushing it on until in bottoms and then gently pulling to ensure it is sealed. The colored retainers should be pulled all of the way out from the fitting when properly attached.

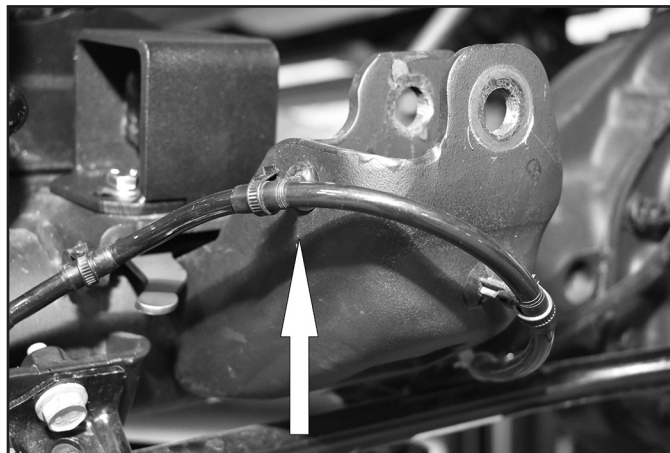
REAR TRACK BAR BRACKET& BUMP STOP EXTENSIONS

147. Install the new rear shocks. Tighten upper hardware so the bushing starts to swell. Tighten lower shock hardware to 75 ft-lbs.

148. Refer to the OE track bar bracket, Remove the ABS clip as shown in **Fig. 66** and drill hole so that it fits a 3/8" bolt,

Note: Due to OEM ABS clip hole variation, drilled hole may need to be filed out into a slot in order to align with bracket.

FIGURE 66



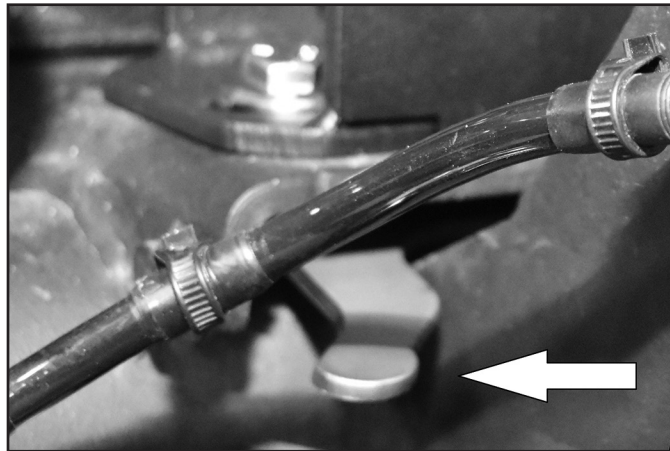
149. Install the track bar bracket back on the factory mount. Fasten with the provided 9/16" hardware through the original track bar hole. Place the provided crush sleeve (109) in the factory bracket when installing the hardware. Attach bracket with 3/8" x 1-1/4" bolt, nuts and washers (BP483) through the hole drilled in the previous step. Tighten 3/8" hardware to 35 ft-lbs and 9/16" to 95 ft-lbs. See **Fig. 67**.

FIGURE 67



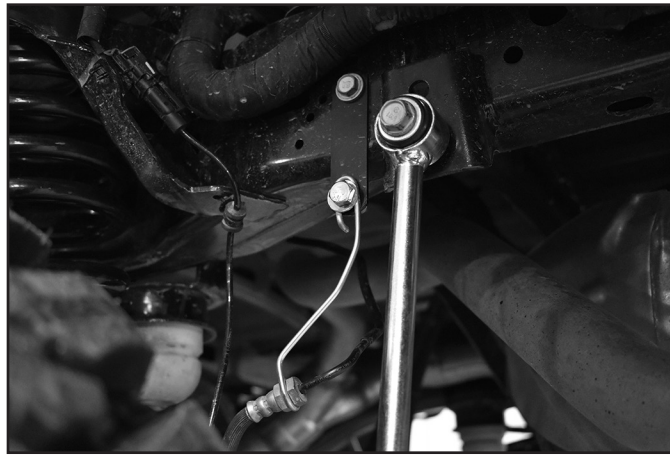
150. Attach bump stop extensions (03681) to driver's and passenger's side with 5/16" x 7/8" bolts with prevailing torque nuts and washers (BP 479)) For the drivers side, use nut tab (03719) by sliding it behind OE track bar bracket hardware, under the bump stop plate. See **Figure 68**. Both bump stop extensions are positioned towards the Drivers side of the vehicle with the two holes in the bottom plate facing the passenger side. Tighten to 18 ft-lbs.

FIGURE 68



151. Install hourglass bushings (SB58BK) into sway bar links. Install one 62147 sleeve into one end of the sway bar and one 45313 sleeve into the other end.
152. Install sway bar links putting the 45313 sleeves to the top mount, fasten using OE hardware and 3/8" USS washer (BP482). Attach lower sway bar link to sway bar using 12mm bolt, prevailing torque nut and washers (BP482) Tighten to 55 ft-lbs. (**Figure 69**). Sway bar links mount to the inside of the bracket, same as the factory sway bar links.
153. Install brakeline drop brackets on the side of the frame rail using OE hardware. Attach brakeline to bracket with 3/8"x1-1/4" bolt, washers, and nut (BP483). Tighten to 20 ft-lbs. (**Figure 69**) you may need to reform stock brake line wire mounts to allow adequate slack at full droop.

FIGURE 69



154. Reattach ABS wire to clips on brakeline.
155. Install the rear trackbar into the lower hole in the relocation bracket with OE bolt and nut, leave hardware loose.

FINAL INSTALLATION STEPS

156. Verify the rear air bags are properly seated on the axle and the ends of the bags are folded over both ends. (Refer to the video linked on our website)

! Caution *Failure to ensure the bags are seated and folded over both ends can result in damage to the air bag or personal injury when pressurizing the system.*

157. Using a jack or hoist raise the rear of the vehicle to a ride height of approx. 25" from the center of the wheel to the fender. This is done to help reduce any pinched areas in the rear air bag. Check the bag for any pinched areas and adjust the jack to reduce these while keeping the bags engaged to the axle and folded over both ends.
158. Reconnect the battery and enable the air ride system under the vehicles control panel. The air suspension system will return to normal operation when the vehicle reaches 15 mph.

Note: If the air ride system under the vehicles control panel is not present, it may be necessary to disconnect and reconnect the battery again. In certain cases the air ride system may disappear all together and tire jack mode cannot be disabled. With the rear axle suspended from the ground and in 2WD, start the vehicle and slowly allow the vehicle to reach 5-15mph. The vehicle should then start to air up the system.

! Caution *If the vehicle is started and "driven" to air up the system, do NOT have the tires installed and allow the truck to drive. Leave the rear suspension suspended from the ground in 2WD at the 25" measurement from the center of the wheel to the fender. This is a last case scenario when the truck cannot be removed from tire jack mode.*

159. Check to ensure the bags are properly seated on the axle and are not kicked off the lower mount. The air bags should be perfectly vertical when seated correctly.
160. Tighten upper control arm hardware to 120 ft-lbs.
161. Tighten the track bar hardware to 95 ft-lbs.
162. Re-install inner fender liners with factory screws.
163. Center the lower cams and torque lower control arm hardware to 125 ft-lbs. Torque the strut-to-lower control arm bolt to 125 ft-lbs.
164. Since the front brakelines were disconnected the brakes must be bled before driving vehicle. Also do a final check to ensure the brake lines will not contact the tire or other moving components.
165. Check all fasteners for proper torque. Recheck all fasteners after 500 miles and at regularly scheduled maintenance intervals.
166. A complete front end alignment is required. Be sure to put the vehicle in alignment mode in the center control panel during the alignment process. Do not drive the vehicle with the steering wheel off center. This can cause unsafe driving conditions.

POST INSTALLATION NOTES

1. Recheck all fasteners for proper torque. Check again after 500 miles and at regularly scheduled intervals.
2. If the air suspension system is giving error messages or is not leveling the vehicle, most likely a leak is present. Check all of the push to connect fittings as well as the screw in fittings installed on the new air lines with soapy water to check for leaks.

AIR SYSTEM TROUBLESHOOTING INFORMATION

1. To reset the air suspension module, press the terrain select “Up” and “Down” switches simultaneously for more than 5 seconds. This will disable the air suspension. Driving the vehicle 15 mph will return the system to normal operation.
2. According to Ram, the air bags can be removed up to 5 times without having a leakage concern, however in the event that the air suspension is not functioning correctly, it may be necessary to fill the system using a scan tool under the Air Suspension Control Module (ASCM) routines. This can typically only be accessed by a Ram dealer scan tool.



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