INSTALLATION GUIDE



Part#: 018158

HARDCORE LIMITED LIFETIME WARRANTY

3.5″ Suspension Lift Kit

2024-2026 Toyota Tacoma 4wd

Rev. 081126

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

Web: www.bds-suspension.com • 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.

FACTORY PROTECTION PLUS

Visit 560plus.com for more information.

TIRES AND WHEELS



285/70R17 WITH 17X8.5 +30 (6"BS)*
285/70R17 WITH 17X8.5 +25 (5.75"BS)*
285/70R17 WITH 17X8.5 +0 (4.75"BS)**
285/75R17 WITH 17X8.5 +35 (6.125"BS)**
285/65R18 WITH 18X8.5 +35 (6.125"BS)*
285/65R18 WITH 18X8.5 +25 (5.75"BS)*
285/65R18 WITH 18X8.5 +0 (4.75"BS)**
285/70R18 WITH 18X8.5 +40 (6.325"BS)**

*NO TRIMMING REQUIRED
**MAY REQUIRE TRIMMING

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

018158 Rear Box Kit		
Part #	Qty	Description
B1695	1	Bag Kit - 2" Rear Brake Line Relocation
BP1103	1	Bolt Pack - 2" Rear Brakeline Relocation
	1	8mm-1.25 x 25mm Bolt, Clear Zinc
	1	8mm-1.25 Nylon Lock Nut, Clear Zinc
	3	8mm Flat Washer, Clear Zinc
	1	8mm-1.25 x 40mm Hex Bolt, Class 8.8, Clear Zinc
4056	1	0.625 x 0.095 x 1.000 Sleeve-Ecoat
05667	1	Rear Brake Line Relocation Bracket
01499	2	1/4" Spacer
M02096-BK	2	Pyramid Bushing - Black
B1642	1	Bag Kit
62147	4	.625" x .075" x 1.375" Sleeve
SB58BK	4	5/8" ID Hourglass Bushing - black
404	1	Bolt Pack
	4	12mm-1.75 x 70mm Grade 8.8, Clear Zinc FLT
	8	1/2" USS Washer, Clear Zinc
	4	12mm-1.75 Prevailing Torque Nut, Clear Zinc
911127	2	Sway Bar Link
10747	4	EB1 Shock Eye - Split Ring
038156R	2	1.5" Rear Lift Spring
05650	1	Driver side Bump Stop Extension
05651	1	Passenger Side Bump Stop Extension

TROUBLESHOOTING INFORMATION FOR YOUR VEHICLE

TECH TIPS

1. Will not work on TRD Pro models.
2. Arms are designed to work with Fox Coilovers that require upper control arms and may not work with all aftermarket spacer lifts / lift kits **(Will work with BDS 3" Lift)**. The ball joint has been re-indexed to allow for max range of motion with 2"-3" lifts.
3. Ball joint cap must be removed for maintenance of ball joint. Remove cap to access grease zerk. Grease at regular maintenance intervals
4. For replacement ball joints, order BDS088200. Ball joints are not directional..

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.*

SPECIAL TOOLS

Ball joint separator SST: 09628-62011

DISASSEMBLY

1. Chock the rear wheels and raise the front of the vehicle. Use jack stands to secure vehicle.
2. Remove the front wheels.

FRONT COIL OVER INSTALLATION

(PLEASE FOLLOW THE STEPS IN THIS BDS INSTRUCTION. THE INCLUDED FOX INSTRUCTIONS ARE FOR REFERENCE ONLY.)

3. Disconnect the sway bar links from the lower control arm **(Fig 1)**. Retain hardware.

FIGURE 1

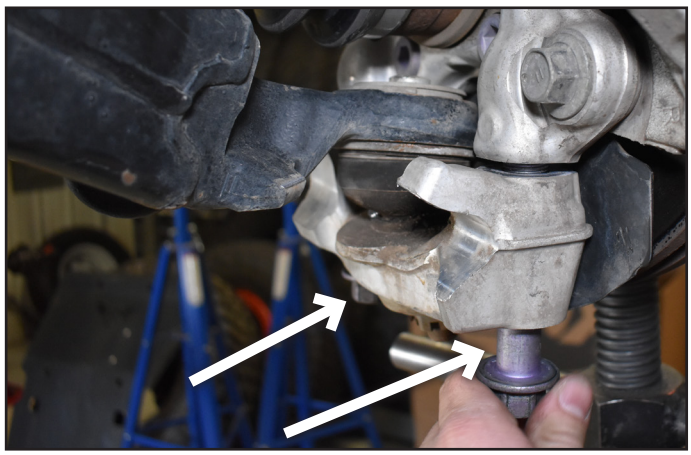


4. Support the lower control arm with a hydraulic jack
5. Loosen the lower control arm cam bolts. This will allow the lower control arm to swing out of the way.

   Note: The front mount requires that the bolt head be turned not the nut, it will help if you remove the skid plate, but it is not necessary.

6. Remove the 2 bolts that attach the lower control arm to the lower ball joint **(Fig 2)**.

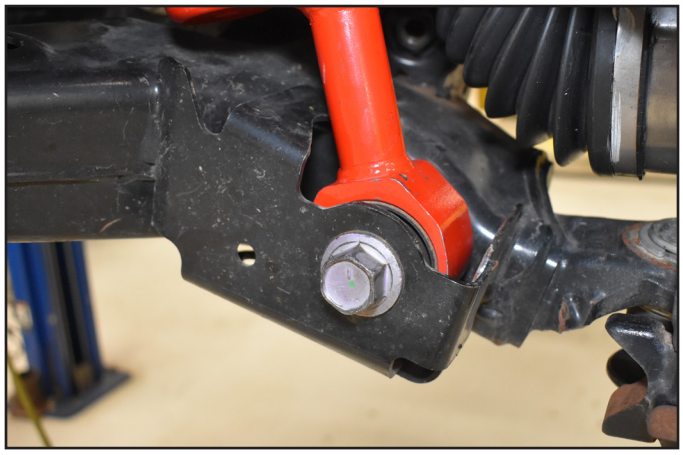
FIGURE 2



7. Remove the lower strut bolt **(Fig 3)**.

Do not discard bolts, as they will be used with your new FOX coil-over assembly, depending on model.

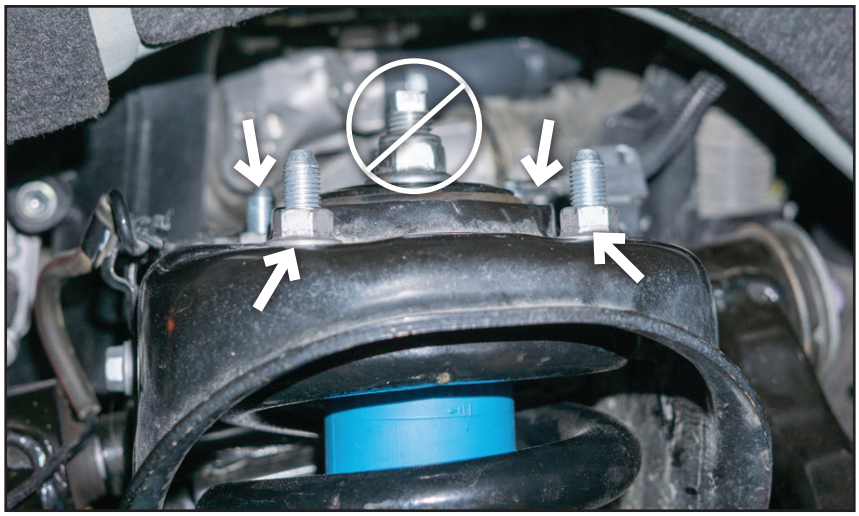
FIGURE 3



8. Loosen the lower control arm pivot hardware and lower the jack allowing the lower control arm to swing down.
9. Locate the driver's and passenger's top strut mounting nuts **(Fig 4)**. Remove the four nuts that hold each strut to the frame. Remove the strut from the vehicle by lowering it straight down.

⚠ ***CAUTION: DO NOT remove the center strut nut. It is under extreme pressure. Remove the strut from the vehicle by lowering it straight down.***

FIGURE 4



IF INSTALLING UPPER CONTROL ARMS, INSTALLATION PER MANUFACTURER INSTRUCTIONS IS RECOMMENDED AT THIS TIME.

COILOVER INSTALLATION

NOTE: FOX 605-01-403 coilover installation instructions can be used for reference for the coil over installation..

Perform the following steps one side at a time, starting with the passenger's side.

10. Install the new coil-over assembly. With remote reservoir models make sure that the hoses are facing outward and towards the front of the vehicle. Feed the reservoir up first, **(Fig. 5A)** then the coilover. Connect the coilover hat to the vehicle using the 4 nuts provided. **(Fig. 5B)** Leave hardware loose. Proper installation will look like **(Fig. 5C)**.

FIGURE 5A



FIGURE 5B

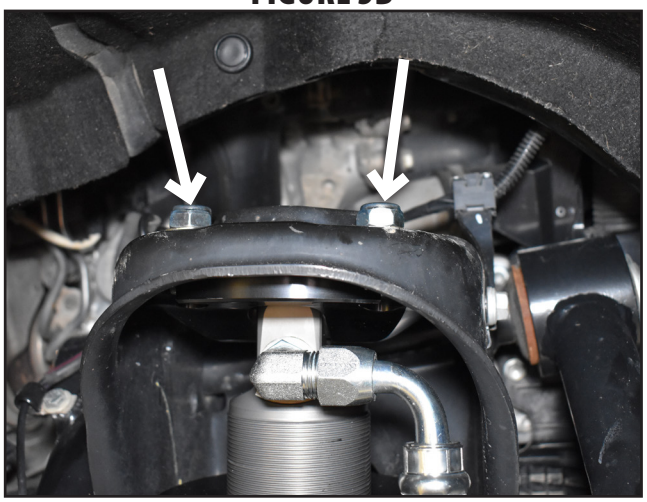
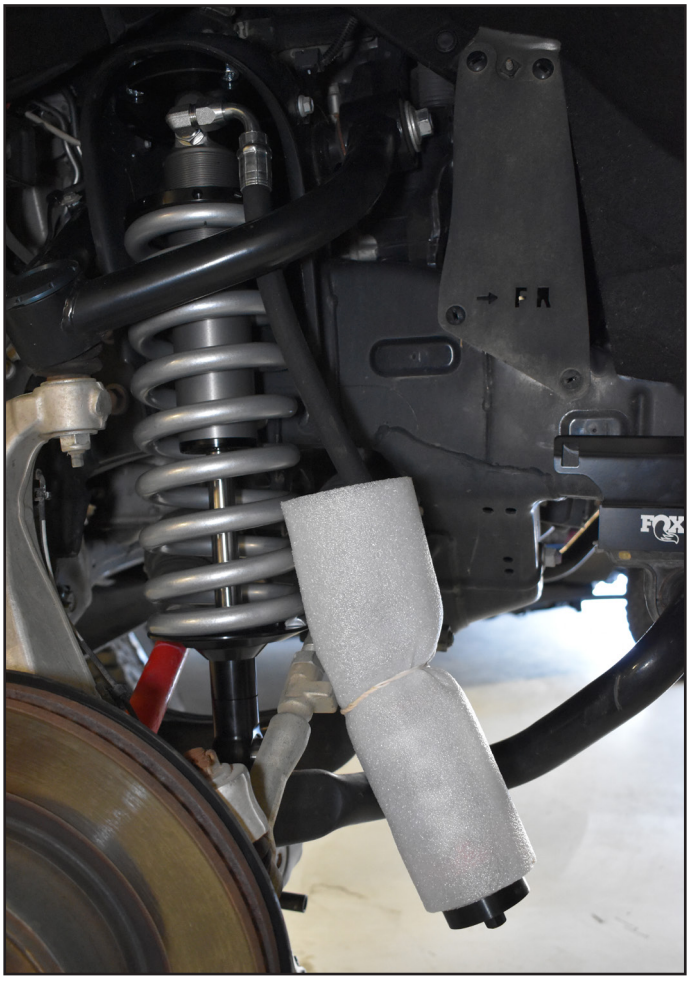


FIGURE 5C



11. To mount the lower coilover to the LCA, use a jack to lift the LCA assembly giving drive axle clearance of the shock bolt, and assisting in alignment of the coilover bolt hole with the LCA mount hole as shown in **(Figures 6A, 6B)**Connect the shock to the lower control arm with the longer spacers toward the front of the vehicle reuse the factory lower bolt and nut. Torque to 122 ft-lbs.

    Note: The drive axle can come out during disassembly so it may be necessary to relocate the drive axle as the LCA is lifted

FIGURE 6A

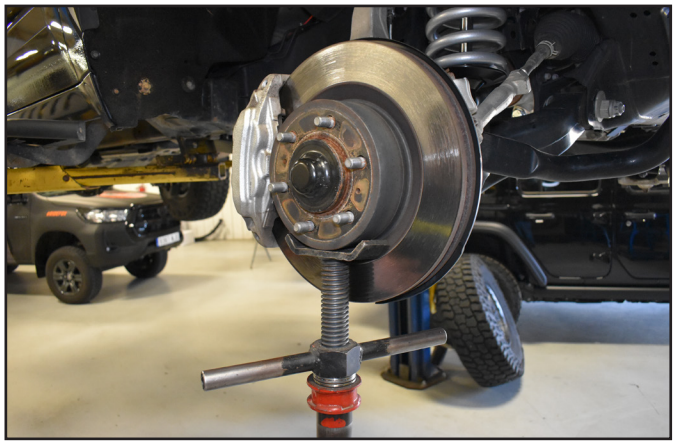


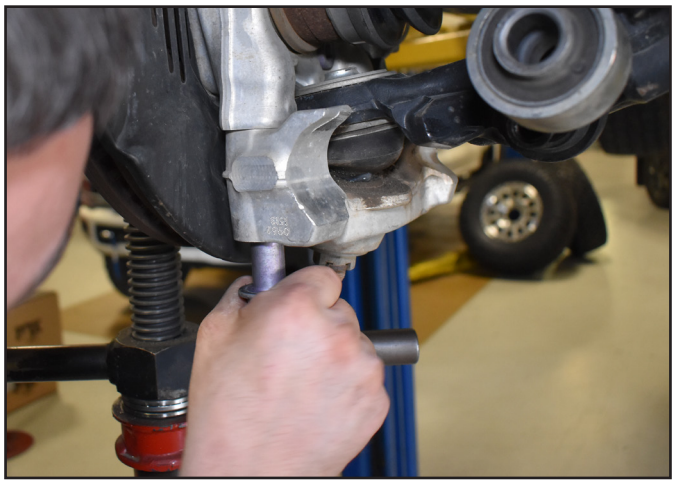
FIGURE 6B



12. Tighten all four bolts or nuts on the top shock hat hardware to 24 ft- lbs.
13. Attach the LCA to the lower ball joint with the OE bolts. Use thread locker on the threads. Torque hardware to 192 ft-lbs. **(Fig. 7)**

Note: Use a jack to slightly compress the coilover if necessary.

FIGURE 7



14. Repeat procedure on the driver's side.
15. Re-Install the sway bar link to the LCA. TIP: Use a large punch to align the link cup to the mounting peg on the LCA. Torque to 111 ft-lbs **(Fig. 8)**

FIGURE 8



16. Install coilover reservoir to the reservoir brackets using the 2 provided clamps. **(Fig. 9A, 9B)**

FIGURE 9A

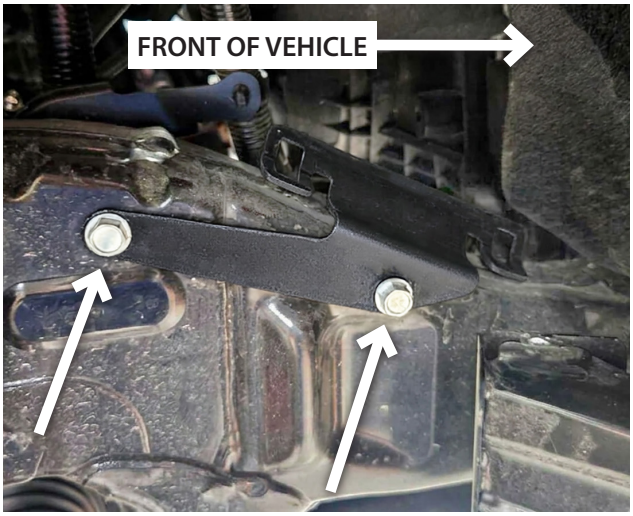


FIGURE 9B



REAR COIL SPRING INSTALLATION

17. Using a Jack, jack up the rear of the vehicle and support the frame with jack stands. **(Fig. 10)**

FIGURE 10



18. Disconnect brake/ABS lines from the axle and frame. **(Fig. 11A, 11B)**

FIGURE 11A

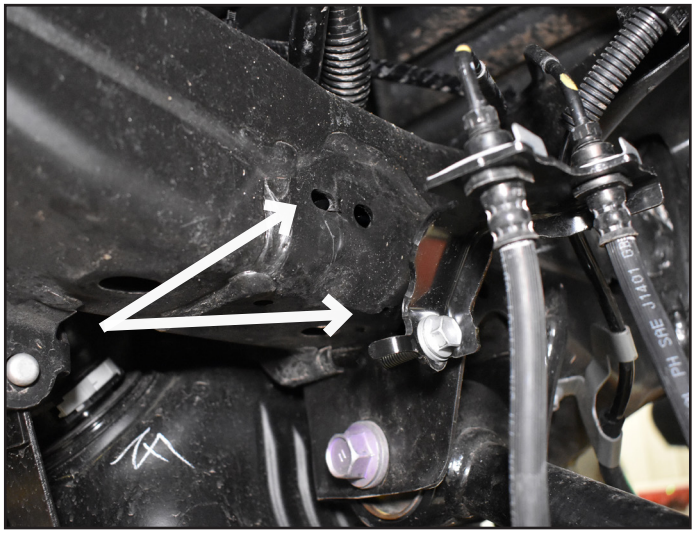


FIGURE 11B



19. Disconnect rear track bar. **(Fig. 12)**

FIGURE 12



20. Disconnect rear sway bar links. **(Fig. 13)**

FIGURE 13



21. Disconnect and remove OE shock.
22. Remove OE bump stop bracket.
23. Remove OE springs, one side at a time. Set the new springs next to the OE springs. Remove rubber insulator sleeves from the OE spring and install on the new spring in the same orientation. **(Fig. 14A, 14B)**

FIGURE 14A



FIGURE 14B



24. With the isolators transferred to the new spring, install into the top spring well **(Fig. 15A)** and axle bed. Rotate spring to index into the correct alignment.**(Fig. 15B)** Repeat on the other side. ***TIP: Lowering the jack slightly will allow more room to install the taller spring.***

FIGURE 15A



FIGURE 15B



25. Lightly grease and install bushings and sleeves into the new sway bar links.

26. Using provided 12mm hardware, install link into OE bracket and swaybar. Torque to 55 ft-lbs **(Fig. 16)**

FIGURE 16



REAR BRAKE LINE DROP BRACKET INSTALLATION

BRAKE LINE DROP BRACKETS

27. Install the provided brake line drop bracket. Attach drop bracket to the frame using the factory hardware. Attach the factory bracket to the drop bracket using the provided hardware. **(Fig. 17A, 17B)**

FIGURE 17A

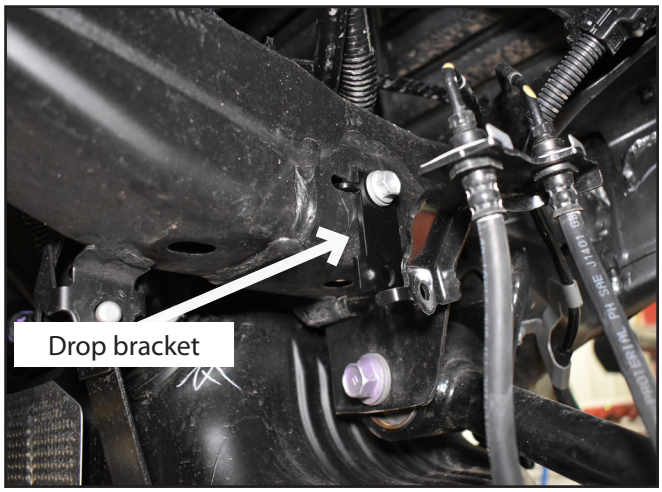
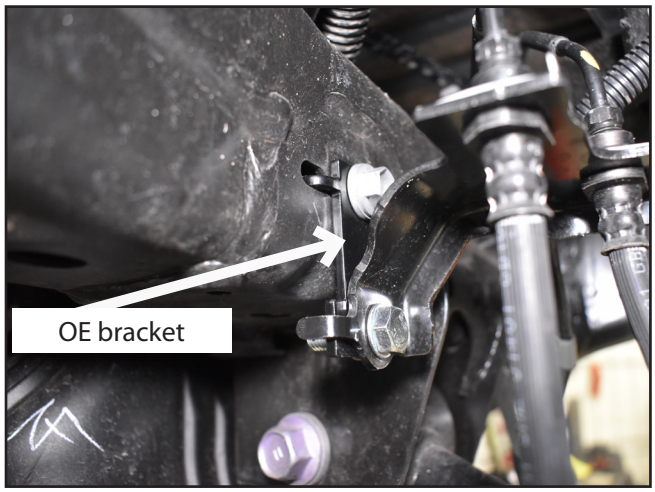
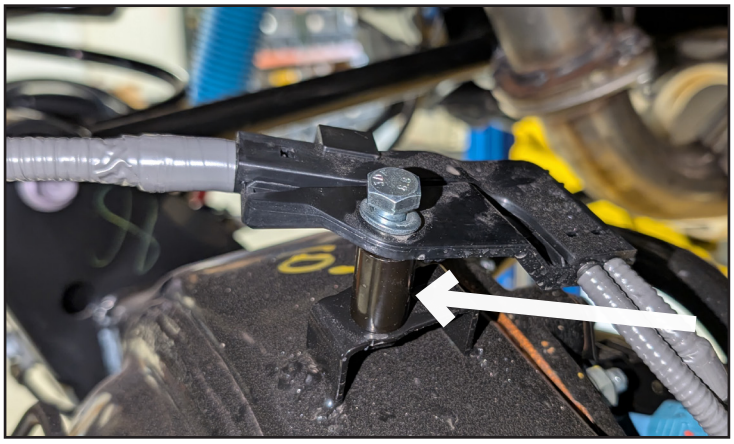


FIGURE 17B



28. **If equipped with diff lock**, install the provided brake line bracket spacer at the bracket on top of the rear differential. Remove the bolt and install the spacer between the differential and the bracket. **(Fig. 18)**

FIGURE 18



REAR SHOCK INSTALLATION

PLEASE REFER TO THE FOX SHOCK INSTALLATION GUIDE FOR THE REAR SHOCK INSTALLATION.

29. Reconnect rear sway bar links. Torque to 55 ft lbs.
30. Reconnect track bar. Torque to 103 ft-lbs
31. Re-install OE drive shaft guard. Torque to 30 ft-lbs
32. Lower vehicle back to the ground.

POST INSTALLATION

33. Check all hardware **(front and rear)** for proper torque.
34. Reconnect the battery **(if disconnected)**.
35. Adjust headlights
36. Recheck all fasteners after 500 miles and at regular scheduled maintenance intervals.



WE WANT TO SEE YOUR RIDE!

Grab photos of your BDS-equipped truck in action and send them in for a chance to be featured. Send it in to our Bad Ass Rides customer gallery at bds-suspension.com/bar and post them on the BDS Fan Page on Facebook at facebook.com/BDSSuspensions. Don't forget about your BDS swag! BDS offers t-shirts, hoodies, decals and more available on the BDS website or through your local BDS distributor.

TIME TO HAVE SOME FUN

Thank you for choosing BDS Suspension.

For questions, technical support and warranty issues relating to this BDS Suspension product, please contact your distributor/installer before contacting BDS Suspension directly.