



T2351, T2352 Installation Instructions

2024 - 26 Toyota Tacoma (Base Model - Struts)

2024 - 26 Toyota Tacoma (TRD - Red Struts)

3.5" Adventure Series Kit - 4WD

Read and understand all instructions and warnings prior to installation of product and operation of vehicle.

Zone Offroad Products 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. Minimum tool requirements include the following: Assorted metric and standard wrenches, hammer, hydraulic floor jack and a set of jack stands. See the "Special Tools Required" section for additional tools needed to complete this installation properly and safely.

» PRODUCT SAFETY WARNING

Certain Zone 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. Zone Offroad Products 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.

» TECHNICAL SUPPORT

www.zoneoffroad.com may have additional information about this product including the latest instructions, videos, photos, etc.

Send an e-mail to tech-zone@ridefox.com detailing your issue for a quick response.

888.998.ZONE Call to speak directly with Zone tech support.

» PRE-INSTALLATION NOTES

1. Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/reassembly procedures of OE and related components.
2. Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
3. 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.
4. 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.
5. Secure and properly block vehicle prior to installation of Zone Offroad Products. Always wear safety glasses when using power tools.

Difficulty Level

Easy 1 2 3 **4** 5 Difficult

Estimated installation: 4-5 hours

Special Tools Required

Strut Compressor

Tire/Wheel Fitment

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

***Important* Verify you have all of the kit components before beginning installation.**

T2351- Tacoma Base Kit Contents

Qty	Part	Qty	Part
1	B1692 Bag Kit 3.5" Lift Kit	2	1/4" Spacer
2	7/8" Bump Stop Spacer -	2	Pyramid Bushing - Black
1	BP1077 Front Spacer Bolt Pack	1	Bp1098 Rear Swaybar Riser Bolt Pack
2	3.5" Front Preload Spacer	2	3.5" Front Strut Top Spacer
1	BP1103 Rear Brakeline Relocation Bolt Pack	2	2.0" Rear Coil Spring Spacer
1	0.625" x 0.095" x 1.000" Sleeve	2	Rear Swaybar Risers
1	Rear Brake Line Relocation Bracket	1	Rear Driver Bump Stop Extension
		1	Rear Passenger Bump Stop Extension

T2352 - Tacoma TRD Kit Contents

Qty	Part	Qty	Part
1	B1704 Bag Kit: 3.5" Lift Kit	2	1/4" Spacer
2	Bump Stop Spacer - 7/8"	2	Pyramid Bushing - Black
2	3.5" Front Preload Spacer	1	Bp1098 Rear Swaybar Riser Bolt Pack
1	BP1077: Front Spacer Bolt Pack	2	3.5" Front Strut Top Spacer
1	BP1103: Rear Brakeline Relocation Bolt Pack	2	2.0" Rear Coil Spring Spacer
1	0.625" x 0.095" x 1.000" Sleeve	2	Rear Swaybar Risers
1	Rear Brake Line Relocation Bracket	1	Rear Driver Bump Stop Extension
		1	Rear Passenger Bump Stop Extension

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:

LF _____ RF _____ LR _____ RR _____

AFTER:

LF _____ RF _____ LR _____ RR _____



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

PRE-INSTALLATION NOTES

1. This kit requires the use of a strut spring compressor.

» INSTALLATION INSTRUCTIONS

2. Park the vehicle on a clean, flat surface and block the rear wheels for safety.
3. Raise the front of the vehicle and support with jack stands under the frame rails, behind the suspension.
4. Remove the front wheels.
5. Support the suspension assembly with a jack as shown in (Figure 1).



Figure 1

6. Using needle nose pliers, disconnect and remove the 2 plastic aprons. (Figure 2,3)



Figure 2



Figure 3

7. Disconnect the ABS/Brake brackets from the inner fender, upper control arm and the knuckle. (Figure 4-8)

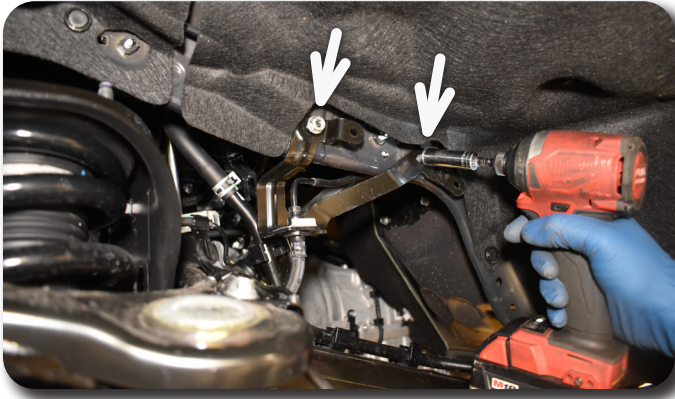


Figure 4



Figure 5



Figure 6



Figure 7

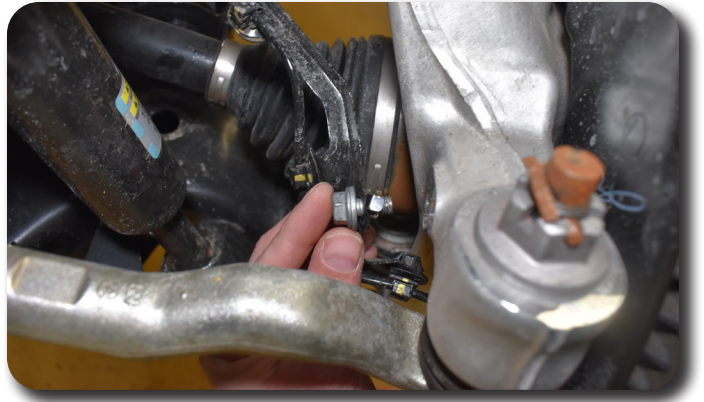


Figure 8

8. Disconnect the sway bar link from the lower control arm. **Figure 9**



Figure 9

9. Locate the lower alignment cam bolts. (**Figure 10, 11**) Loosen the bolts (2 per arm - 4 total). This will allow the lower control arm to swing down and out of the way when the strut is disconnected.

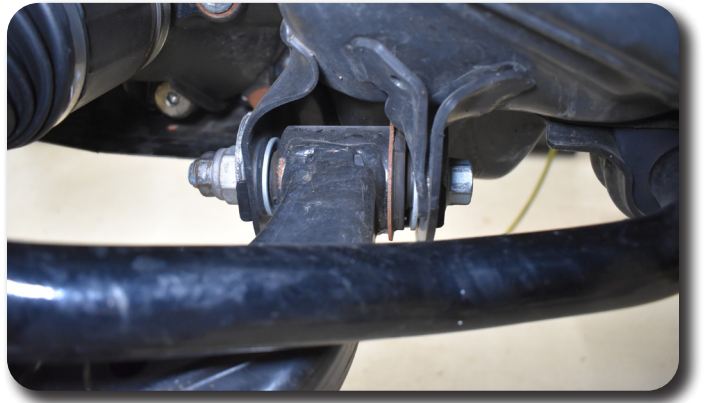


Figure 10



Figure 11

10. Remove the 2 lower ball joint mount bolts from the steering knuckle. (Figure 12).

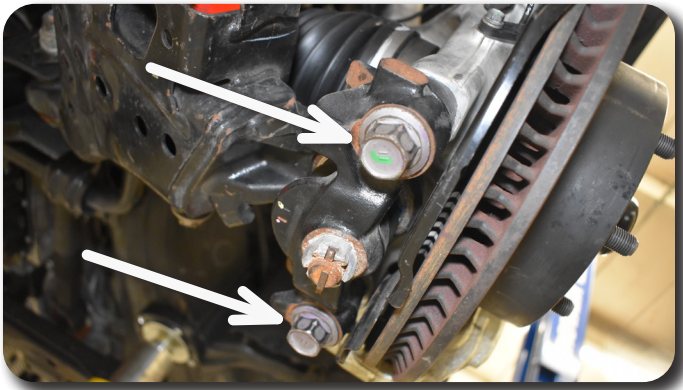


Figure 12

11. Remove the lower strut mount bolt at the lower control arm. (Figure 13) Swing the lower control arm down and out of the way.



Figure 13

12. Locate the 4 upper strut mount nuts. (Figure 14) Remove the nuts and remove the strut from the vehicle. ***Do not remove the center strut rod nut. Nut is under extreme pressure and could cause injury if loosened.***



Figure 14

» PRE-LOAD SPACER INSTALLATION

13. Mark the coil and top hat at the outward center.



14. Using a strut spring compressor, compress the spring, remove the center nut, release pressure on the spring. (Figure 15). Remove the cylinder assembly from the coil . (Figure 16)

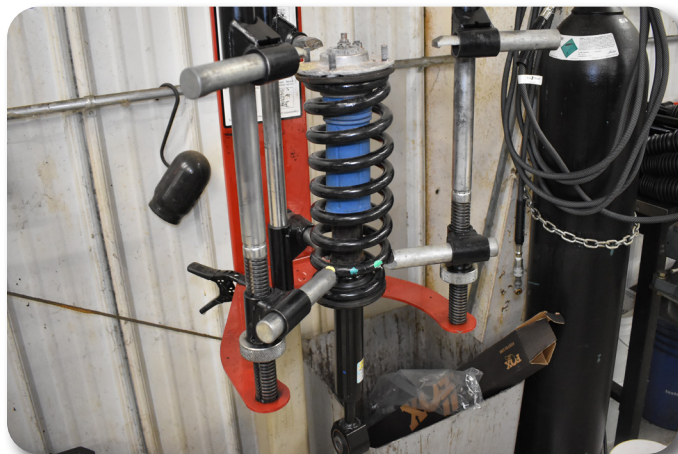


Figure 15



Figure 16

15. For the Base model struts remove the center rod spacer by tapping off with a soft brass flat punch. Ensure the snap ring stays in place. (Figure 17, 18)



Figure 17



Figure 18

16. TRD Only: Heat the rod end to release thread locker. (Figure 19)



Figure 19

17. TRD Only: With rod end stud thread locker loosened, remove the end from the rod. (Figure 20)



Figure 20

18. Remove the cylinder cap. (Figure 21)

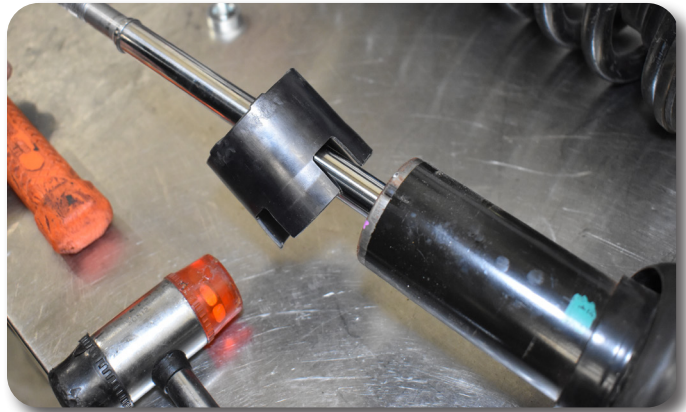


Figure 21

19. Remove the spring seat. (Figure 22)



Figure 22

20. Install the preload spacer. (Figure 23)

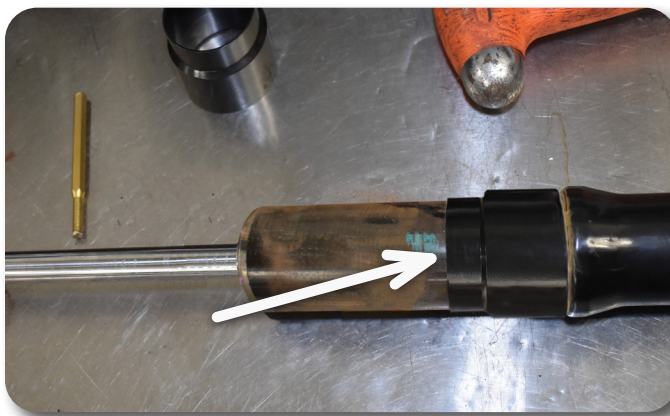


Figure 23

21. Install the spring seat (Figure 24)



Figure 24

22. Re-Install the cylinder cap. (Figure 25)



Figure 25

23. Install provided bump stop spacer. (Figure 26)



Figure 26

24. Re-install the end rod spacer. Tip: Use a socket to tap the spacer onto the rod. (Figure 27A, 27B)



Figure 27A



Figure 27B

25. TRD Only: Loctite and re-install the threaded rod end. (Figure 28)



Figure 28

26. Re-Install the Cylinder into the coil spring assembly. (Figure 29)



Figure 29

27. Install the strut nut and snug do not tighten. (Figure 30)



Figure 30

» TOP SPACER INSTALLATION

28. Attach spacer to top hat using the 4 OE nuts, aligning the notch in the spacer with the tab on the top hat. Torque to 33 ft-lbs. (Figure 31)

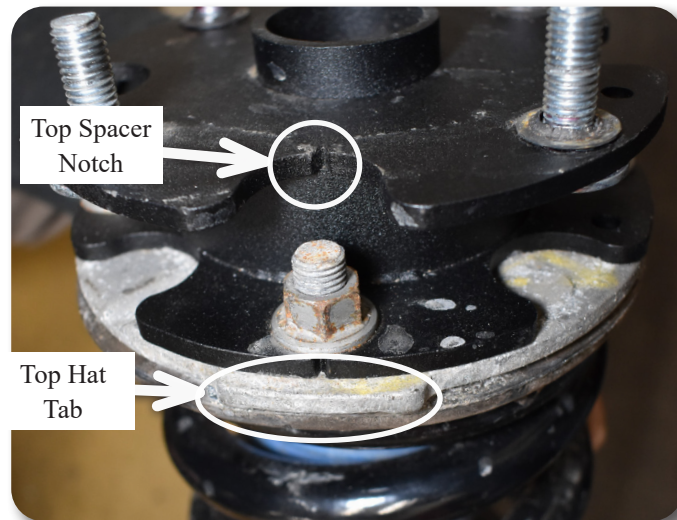


Figure 31

29. Reinstall strut into the press and compress the spring only, Loosen strut top nut, clock the hat and top spacer so the notch and tab are aligned with the strut lower eyelet (or the marks made in step 13) as shown in (Figure 32). Torque nut to OE specification.



Figure 32

30. Install the strut at the strut bucket with the **top hat tab inwards**, using the provided nuts and washers. Torque to 33 ft-lbs. (Figure 33)



Figure 33

**If installing ZONE Upper Control Arms do so at this time per the manufacturers instructions.
If not move on to step 31.**

31. Re-attach the strut lower to the lower control arm and torque to 133 ft-lbs. (Figure 34)



Figure 34

32. Re-attach lower ball joint to the steering knuckle. Torque to 221 ft-lbs. (Figure 12).

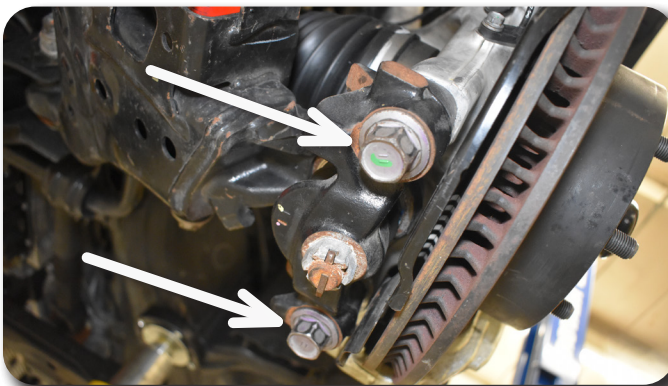


Figure 35

33. Re-connect the sway bar link to the lower control arm. Torque to 103 ft-lbs. (Figure 36)



Figure 36

34. Re-install all disconnected brake line brackets.
35. Re-install all inner fender splash guards.
36. Repeat on the other side of the vehicle.
37. With both sides completed, replace the wheels and tires.
38. Lower the vehicle to the ground, jounce the vehicle several times.
39. Locate the lower alignment cam bolts. (Figure 37, 38) Torque the bolts to 207 ft-lbs. .



Figure 37



Figure 38

40. A full front end alignment is recommended.

» REAR INSTALLATION

41. Secure the front of the vehicle.
42. Raise the rear of the vehicle and remove the wheels
43. Support rear axle with jacks on either side of the differential housing.
44. Disconnect brake/ABS lines from the Axle and the upper body (Figure 39, 40)

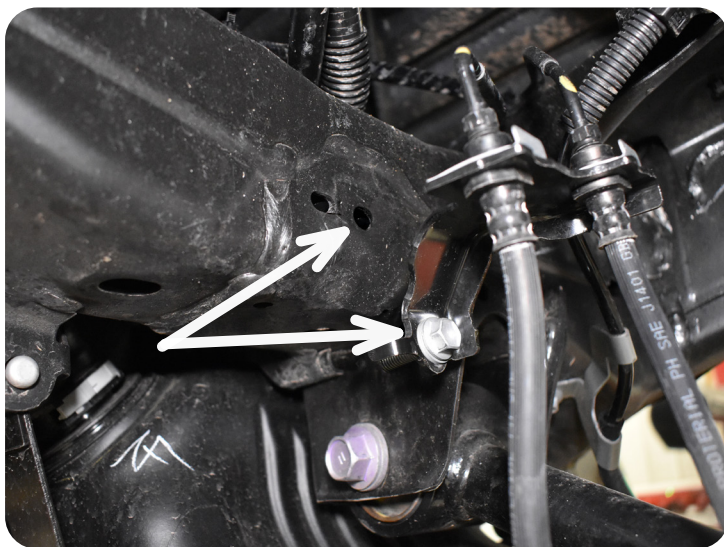


Figure 39



Figure 40

45. Loosen the Upper and Lower Control Arm nuts, do not remove.
46. Disconnect track bar from the axle. (Figure 41)

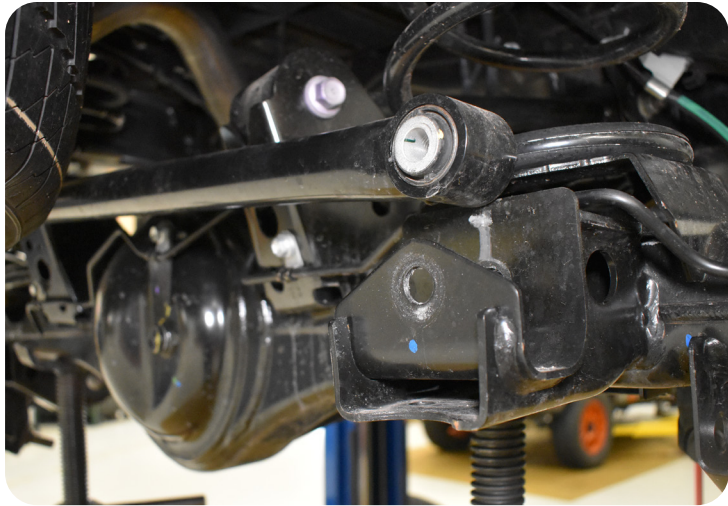


Figure 41

47. Disconnect, sway bar brackets from axle. (Figure 42, 43)



Figure 42



Figure 43

48. Remove the lower shock bolt and disconnect the shock from the axle. (Figure 44)



Figure 44

49. Remove the bump stop bracket from the frame. (Figure 45)

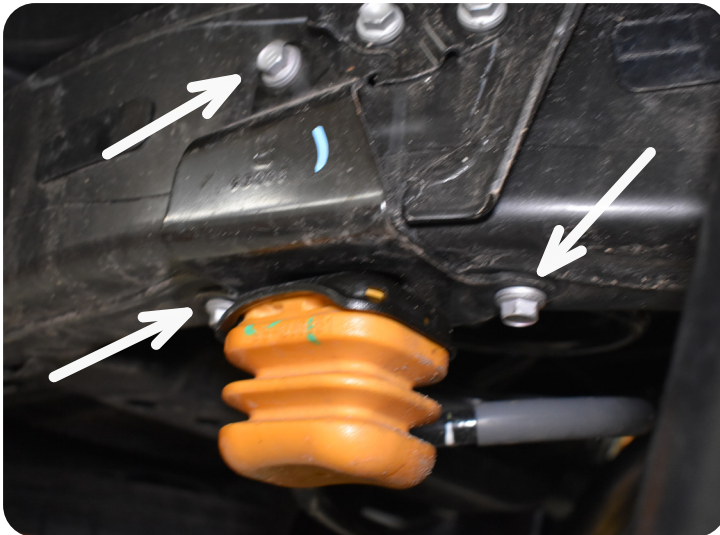


Figure 45

50. Lower the axel enough to remove the coil springs and the isolators. (Figure 46)



Figure 46

51. Install the coil spring top spacer. Align forward most holes and use provided 3/8" bolt, nut and washer to keep the spacer in place. (Figure 47)

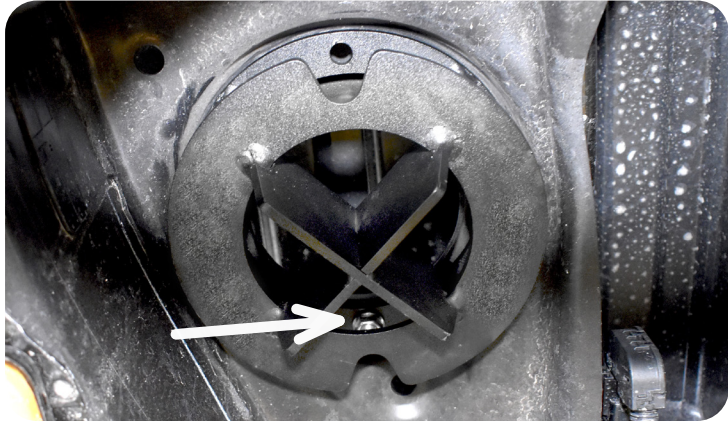


Figure 47

52. Install spring and isolator. Align spring coil to the bottom spring seat. (Figure 48)



Figure 48

53. Repeat steps on other side of the vehicle.

» **SWAY BAR BRACKET**

54. Using an air hammer. Knock out the upper stud on the sway bar axle brackets. This will be re-used. (Figure 49, 50)



Figure 49



Figure 50

55. Install the stud into the non counter sunk hole of the riser bracket as shown in (Figure 51) by first tapping it in (Figure 52), then use a nut and 2 washers to fully seat the stud. (Figure 53)

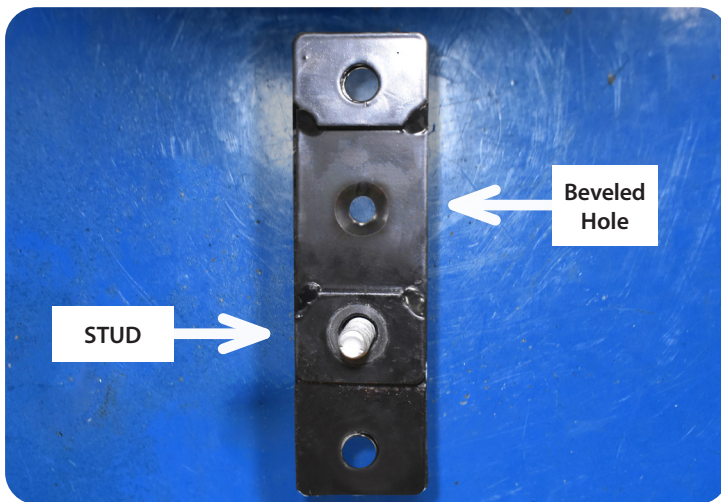


Figure 51

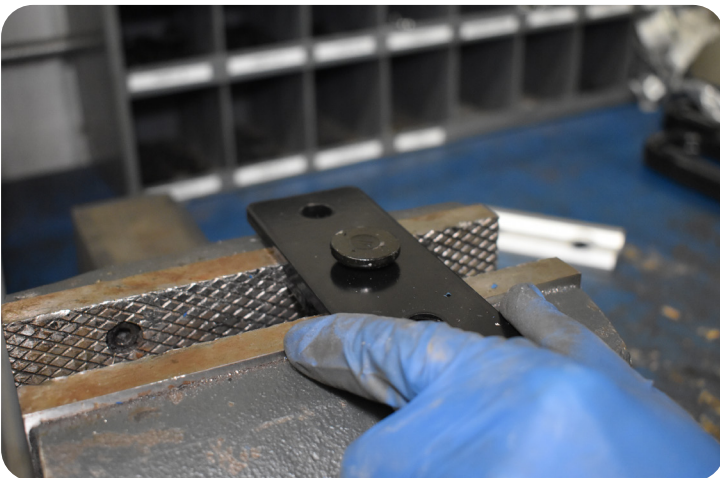


Figure 52



Figure 53

56. Mount the riser bracket to the axle using the factory nut on bottom stud and the provided hex head and hardware in the second from the top hole.(Figure 54)

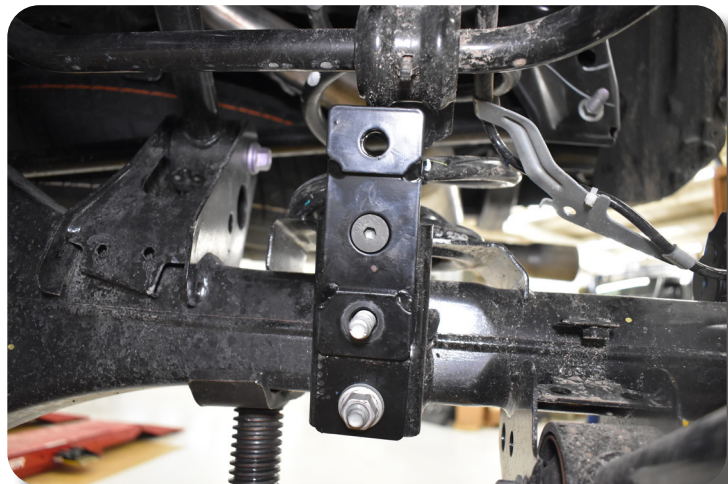


Figure 54

57. Install the sway bar riser brackets to the sway bar riser brackets using the factory hardware on the bottom stud and the provided bolt, nut and washers on the top. (Figure 55)

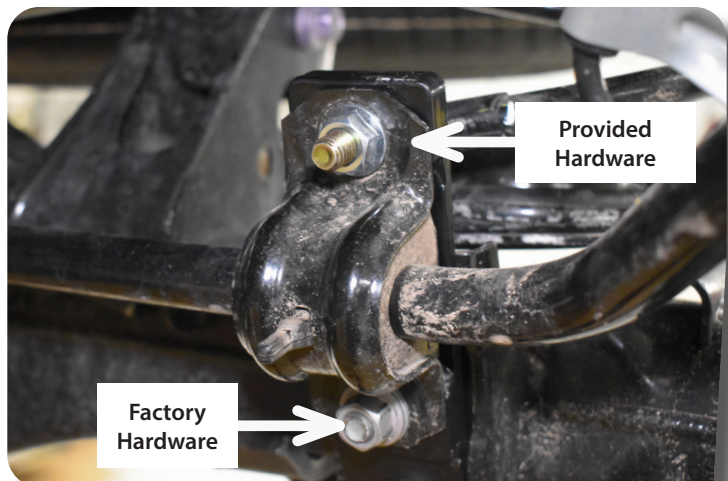


Figure 55

» BRAKE LINE DROP BRACKETS

58. Install the provided brake line drop bracket. Attach drop bracket to the frame using the factory hardware. (Figure 56) Attach the factory bracket to the drop bracket using the provided hardware. (Figure 57)



Figure 56

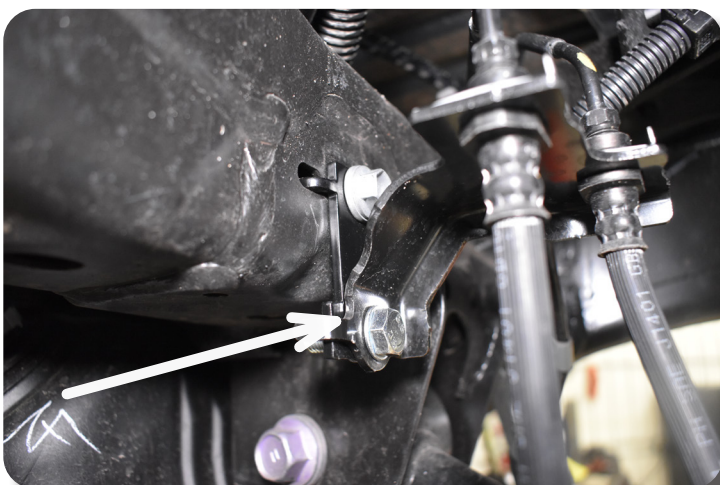


Figure 57

59. 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. (Figure 58)



Figure 58

» **BUMP STOP INSTALLATION**

60. Install the bump stop brackets to the frame using the factory hardware and the provided spacer on the top mounting hole. Note: The bump stop brackets are side specific. (Figure 59, 60, 61)



Figure 59



Figure 60



Figure 61

61. If installing replacement shocks or a shock relocation kit, it is recommend to do so at this time per the manufacturers instructions. If not move on to the next step.
62. Re-attach shock lowers to the axle. Torque shock bolt to 72 ft-lbs. (Figure 62)



Figure 62

» **FINAL ASSEMBLY**

63. With both sides assembled, install the wheels and lower the vehicle to the ground. Torque lug nuts to factory specifications.
64. Torque Lower and Upper control arm bolts to 103 ft-lbs.
65. Re- attach the track bar to the axle and torque to 103 ft-lbs (Figure 63)

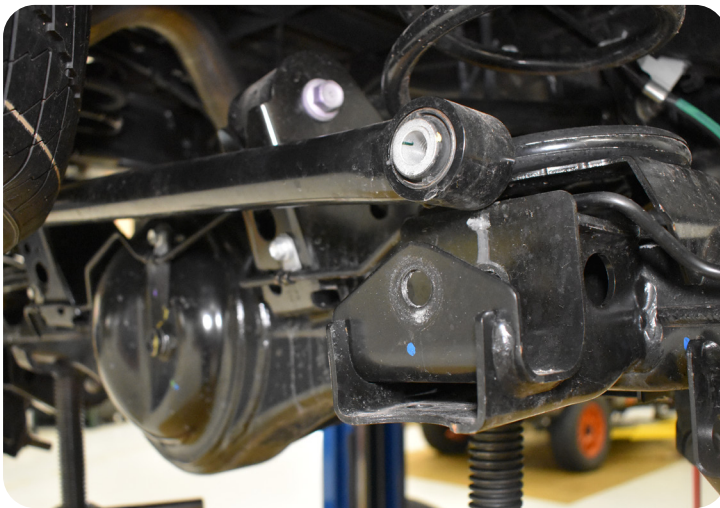


Figure 63

66. Adjust headlights.
67. Vehicle will need a complete front end alignment.
68. Recheck hardware after 500 miles.

Post-Installation Warnings

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. Check steering gear for clearance. Test and inspect brake system.
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. Longer replacement hoses, if needed can be purchased from a local parts supplier.
3. Perform head light check and adjustment.
4. Re-torque all fasteners after 100 miles. Always inspect fasteners and components during routine servicing.