



D5824 Installation Instructions 2025 - 2026 Ram 2500 4WD 10 Bolt Indexing Ring

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.

Difficulty Level

Easy 1 2 **3** 4 5

Estimated installation: 2 hours

Tire/Wheel Fitment

NA

»» **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.
6. If installation is to be performed without a hoist, Zone Offroad Products recommends rear alterations first.
7. 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.

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

Kit Contents

Qty	Part	Qty	Part
1	B1706 Bag Kit	1	496 Bolt Pack
2	11.5" Nylon Cable Tie	1	Hose Clip
8	8-3/8" x.18" Cable Tie Tree	1	6mm Prevailing Torque Nut
1	Thread Locker	1	1/4" Washer
1	BP1105 Bolt Pack - Indexing Ring	1	B1709 Bag Kit: Seal Adapter Assembly
10	10mm x 30mm Flat Head Screw	1	10 Bolt Seal Adapter
10	3/8"x 1-3/4" Bolt	1	Cross Member - Zone
10	3/8"NyLock Nut	1	Index Ring - 10 Bolt
10	3/8" Washer		

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. xxx

» DISSASSEMBLY

2. Remove the skid plate bolts. 13mm socket. Figure 1

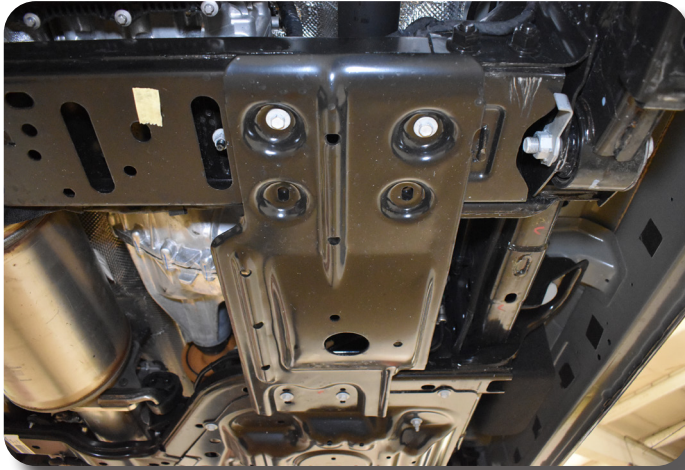


Figure 1

3. Mark flange orientation. Figure 2 Remove the 4 half shaft bolts, use 15 mm socket.

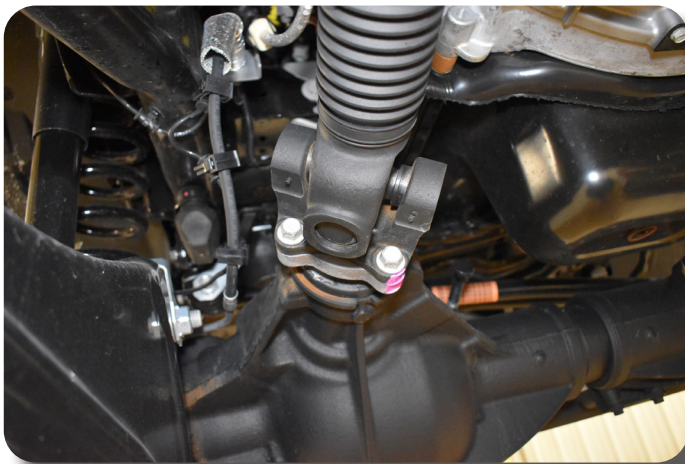


Figure 2

4. Disconnect the 2 half shaft boot clamps using a flathead screw driver. Discard. Figure 3

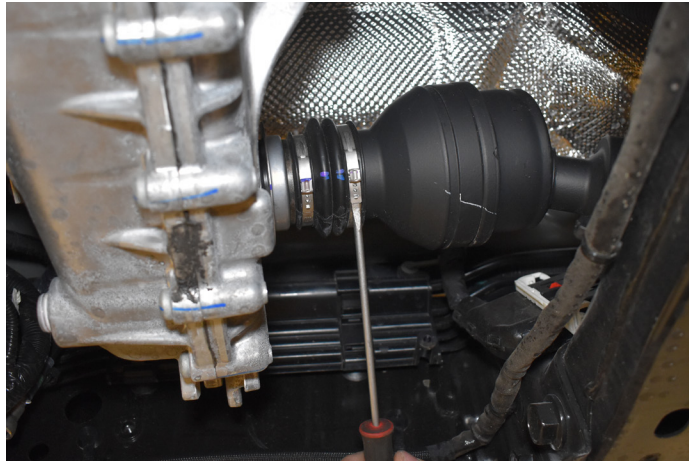


Figure 3

5. Pull the boot back to access the snap ring. Use snap ring pliers to open up snap ring, pull drive shaft off of the splines. **Figure 4, 5**



Figure 4

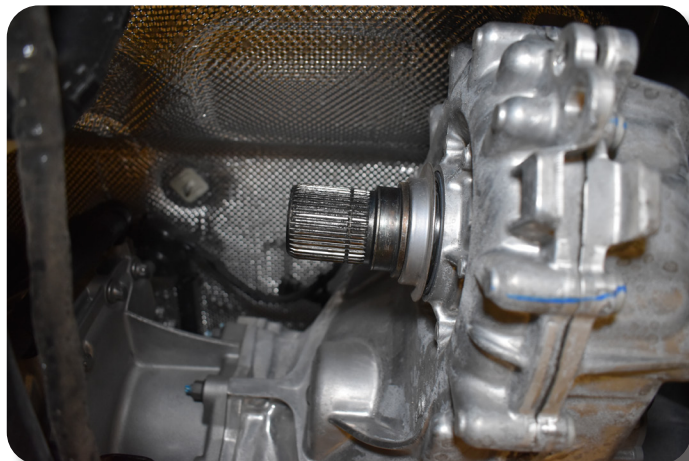


Figure 5

6. Remove rear drive shaft. by removing the 4 bolts. Use a 15mm socket. **Figure 6**



Figure 6

7. Support your transmission with a jack using a large block to distribute the weight. Caution as the pan is plastic. **Figure 7**



Figure 7

8. Remove the 3 bolts x-member to transmission mount bolts. Use a 15mm socket. **Figure 8**

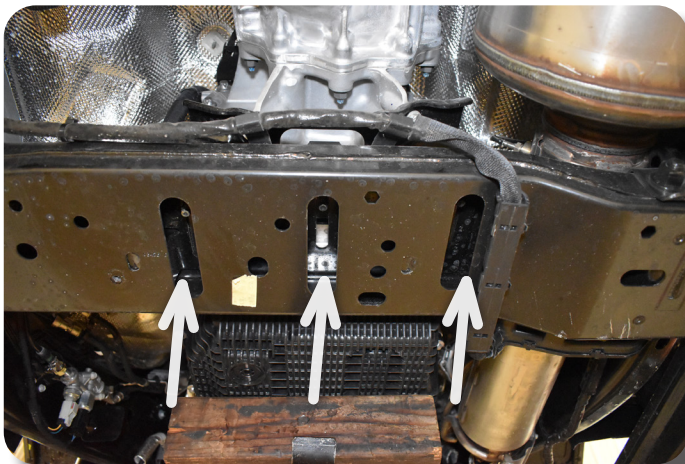


Figure 8

9. Carefully lift transmission with jack enough to take pressure of the x-member.
10. Loosen and remove the 4 x-member nuts, leave the bolts in place. The bolts will be remove in a later step. Use a 24mm socket. **Figure 9**

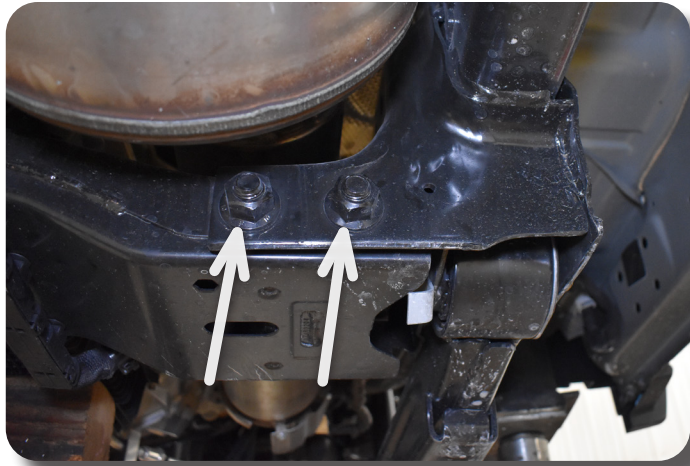


Figure 9

11. Disconnect the various wiring harness clips attaching the wiring to the x-member. Slacked harness should hang down like images Figure 10,11,12,13,14

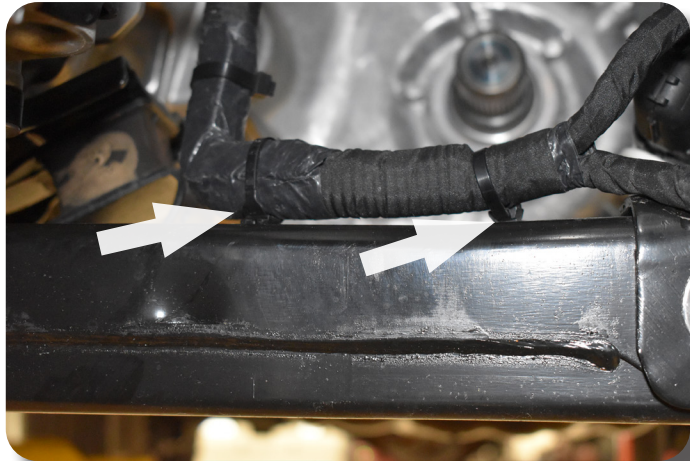


Figure 10



Figure 11

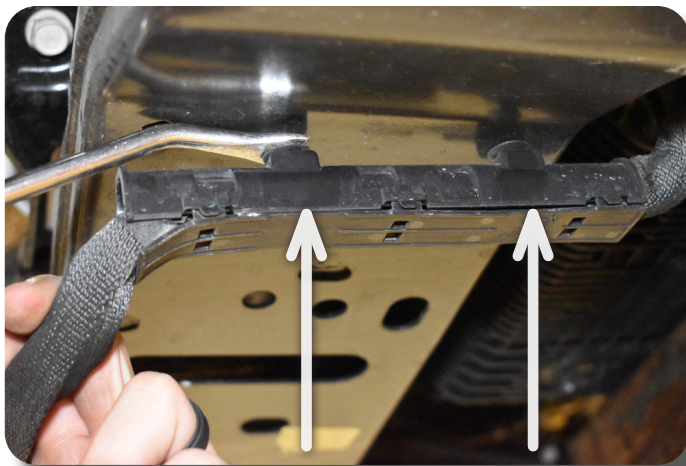


Figure 12



Figure 13



Figure 14

12. The wiring harness needs to be completely loosened from the driver side to the passenger side frame. Figure 15



Figure 15

13. Disconnect transfer case wire harness from breather tube. Figure 16, 17



Figure 16



Figure 17

14. Disconnect wiring harness attached to the t-case. Wrap harness forward of the t-case for clearance. Figure 18, 19, 20



Figure 18

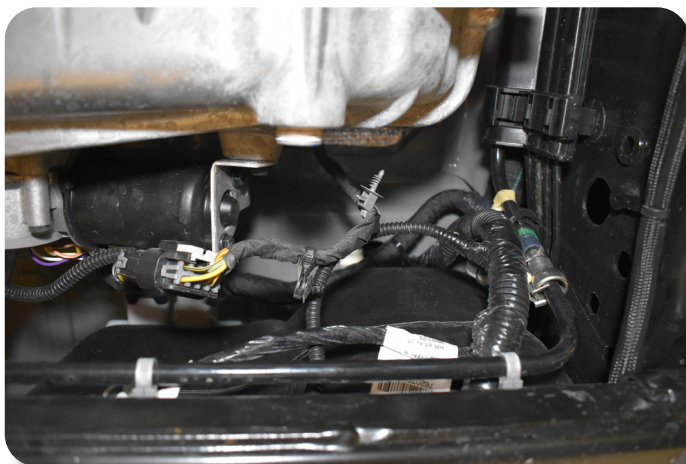


Figure 19



Figure 20

15. Remove the radius arm nut tabs, do not remove the bolts. Figure 21

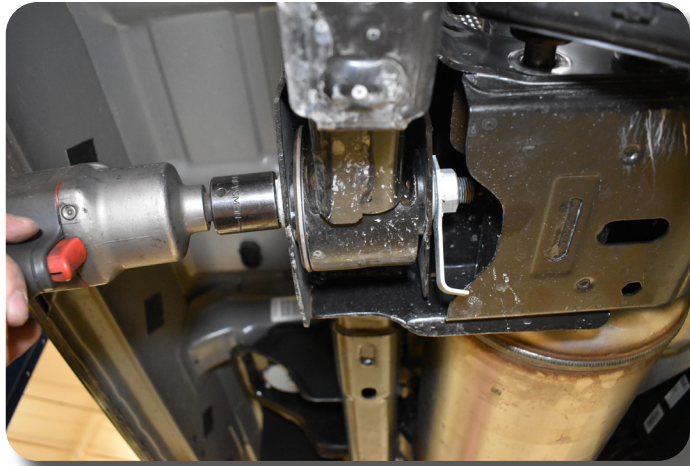


Figure 21

16. Remove the x-member bolts. Figure 22, 23

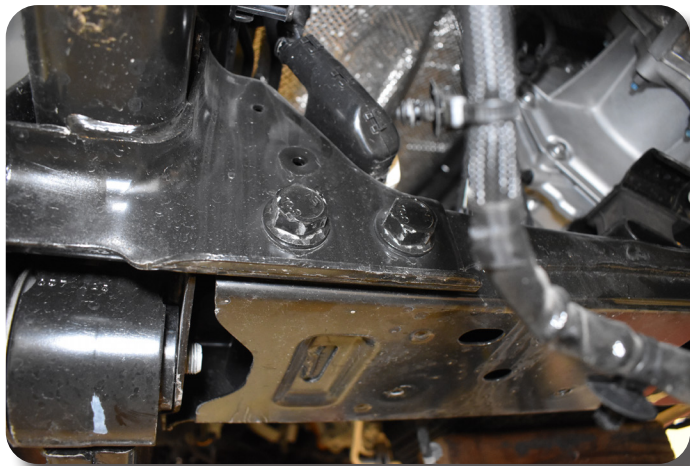


Figure 22



Figure 23

17. Remove cross member. Figure 24, 25



Figure 24



Figure 25

18. Remove the 4 bolts holding the transmission mount on. Mark mount front orientation. Use 15mm socket. **Figure 26**



Figure 26

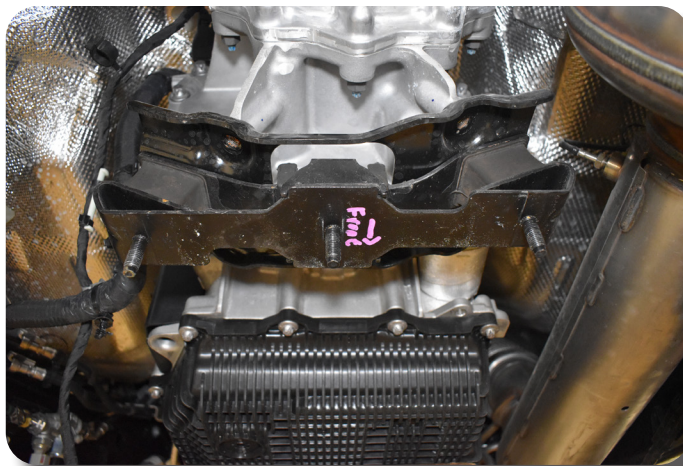


Figure 27

19. Lower transmission and t-case enough to give room to access the t-case nuts.
20. Working from the top down, remove the 10 t-case 9/16" nuts, use a ratcheting wrench. **Figure 28, 29**

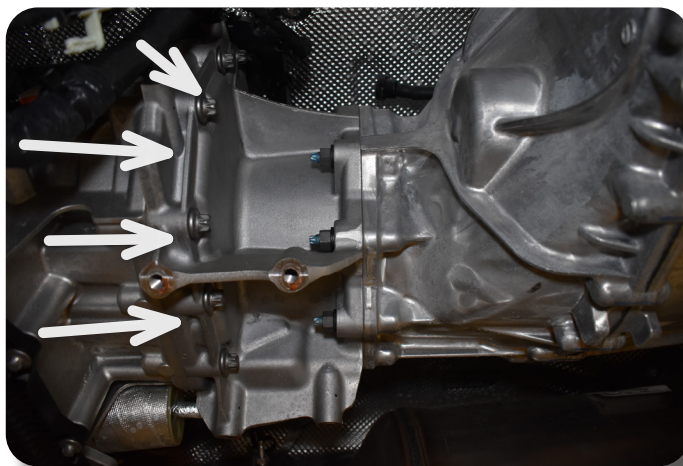


Figure 28

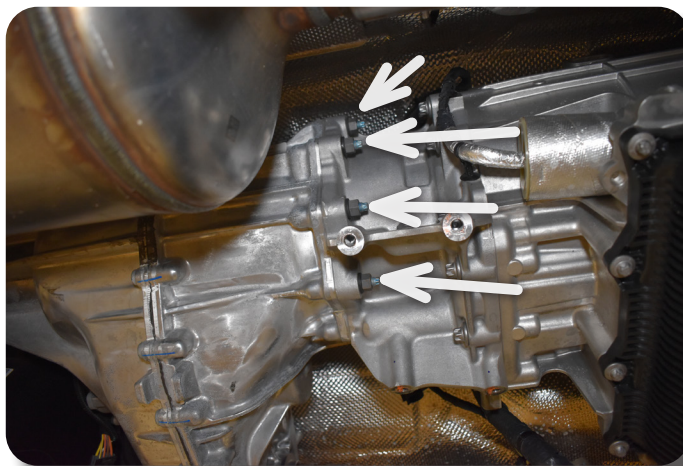


Figure 29

21. With the help of a friend or 2, pull the t-case towards the rear of the vehicle and off the transmission studs. Tip the front side of the t-case down and out of the t-case space. (**Figure 30, 31**) **DO NOT TIP THE SPLINE SIDE DOWN AS THE T-CASE WILL LEAK FLUID.**

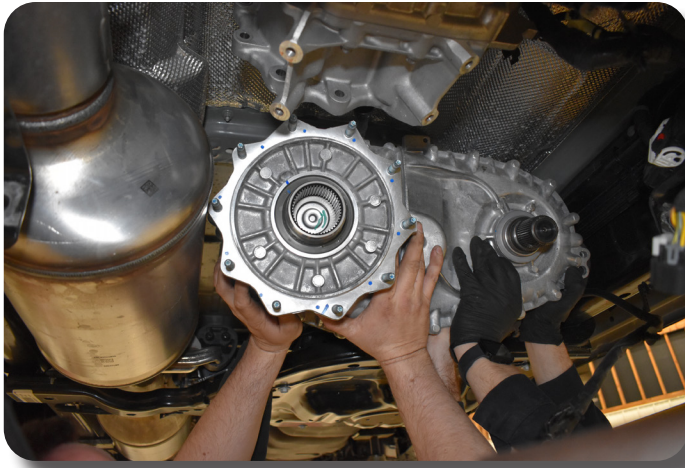


Figure 30

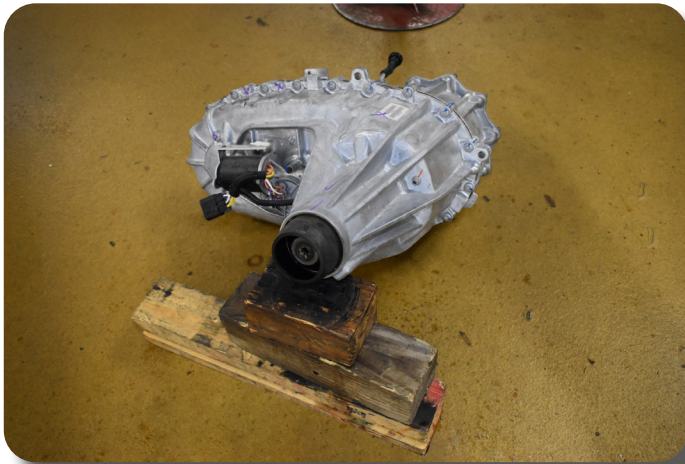


Figure 31

22. Re-route the transfer case wire harness to the bottom of the cab using provide clip and nut from BP 496. **Figure. 32**



Figure 32

23. Remove the studs from the transfer case by double nutting the studs. **Figure 33**



Figure 33

Install the 10 bolts into the indexing ring found in BP1105. Figure 34, 35



Figure 34



Figure 35

24. Install the indexing ring to the differential using the provided 10 flat head hex bolts found in BP1105. Figure 36

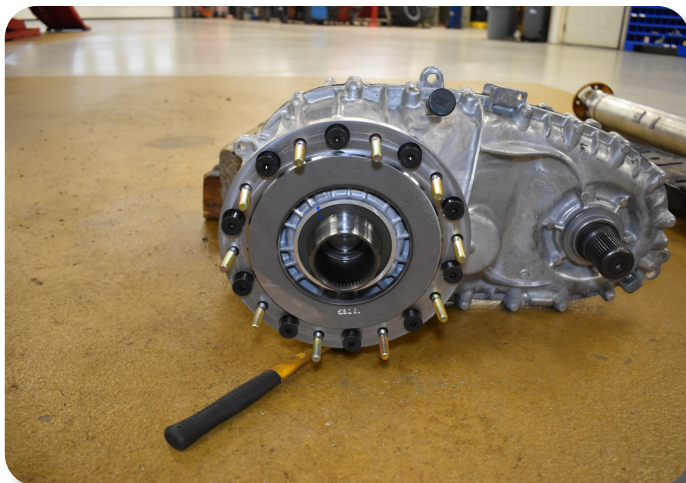


Figure 36

25. Remove the OE seal from the transmission tail housing. Be careful not to scratch or gauge the seal surface. **Figure 37**



Figure 37

26. Lubricate the O-ring and seal with ATF fluid. Install the seal adapter assembly into the transmission using the appropriately sized seal driver tool. **Note: only use ATF fluid as lubricant do not use grease on the seal or seal adapter. Seal must be lubricated before installing the T-case.** **Figure 38, 39**

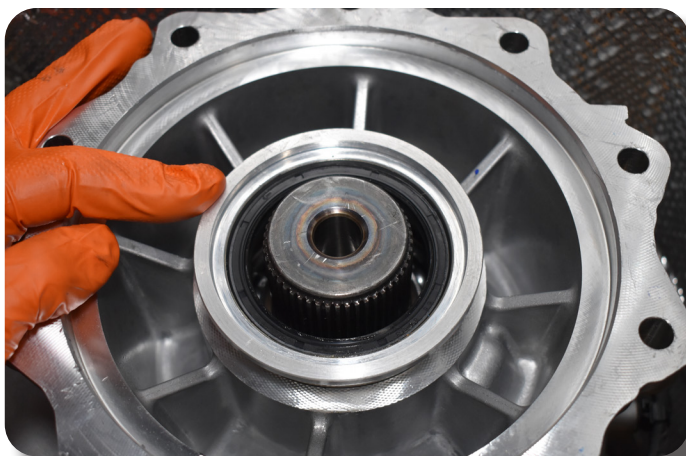


Figure 38



Figure 39

27. Using the provided cable clips, detach the OE clips and reattach the DEF lines to the Def skid to draw the DEF lines in and provide clearance for then transfer case. Figure 40, 41



Figure 40



Figure 41

28. Reconnect all the wire harness connectors. Figure 42



Figure 42

29. With the help of a friend or two, lift the rear end of the transfer case into the space first then lift up the front and align the holes slide into place. Once all the bolts are aligned it may be necessary to spin the output shaft to align the splines.
Figure 43, 44 *Note: having 2 people hold the T-case in place while a 3rd aligns the bolts and splines is highly beneficial.*



Figure 43

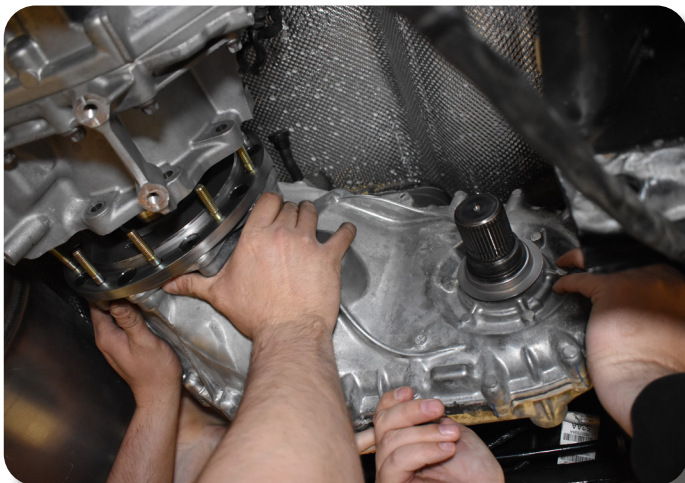


Figure 44

30. Working from the top down Install the ten provided nuts and washers loosely then torque to 35ft-lbs. **Figure 45**

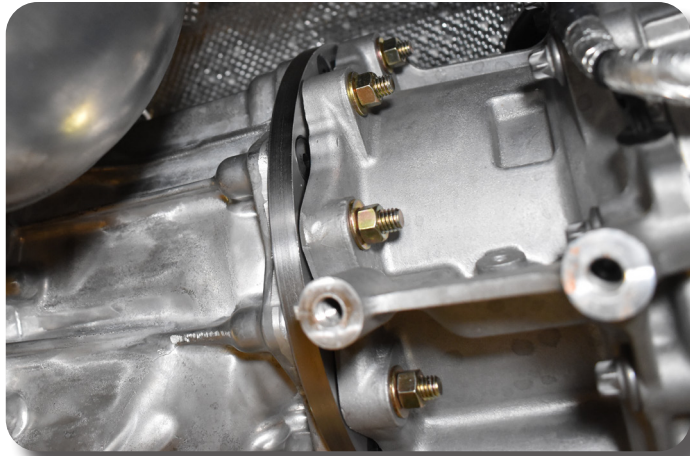


Figure 45

31. Re-install the transmission mount using OE Hardware. Torque to 35 ft-lbs Figure 46

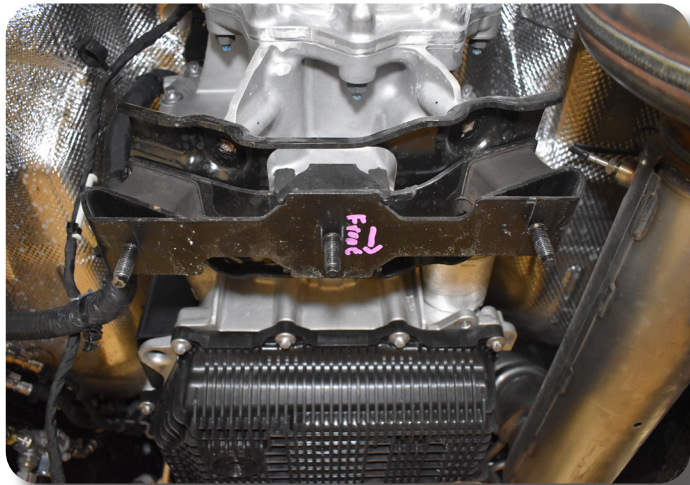


Figure 46

32. Ensure the crossmember wire harness is routed over the crossmember on the passenger side then behind the crossmember over to the driver side frame rail.
33. Install the provided crossmember, the taller end will face towards the front of the vehicle. run all hardware front to back. Torque all hardware to 177ft-lbs Figure 47, 48



Figure 47



Figure 48

34. Lower the transmission and bolt the transmission to the new crossmember with factory hardware, Torque to 45 ft-lbs.
35. Reattach the front driveshaft to the Transfer case, new clamps are provided for the boot in the front bolt kit. Reattach the front drive shaft to the axle with OE hardware and thread locker, torque to 85ft-lbs. Rotate the front drive shaft to ensure it spins freely and clears exhaust and crossmember **Use the provided boot clamps to re secure the drive shaft boot.**
36. Reinstall rear driveshaft with factory hardware with Thread locker on threads. Tighten to 81 ft-lbs.
37. Using the provided zip / x-mas tree secure the wire harness to the cross member. Note: Do not use the OE clips as they do not offer enough clearance for the wiring. **Figure 49**



Figure 49

38. Attach the harness to the front passenger side of the cross member using the OE wire cradle. **Figure 50**

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.

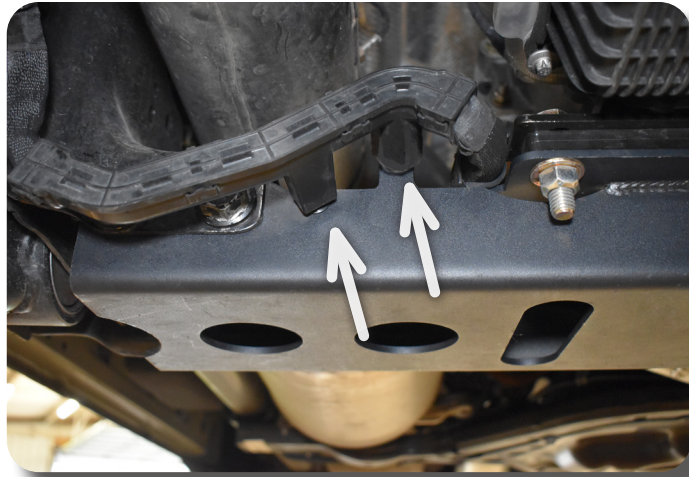


Figure 50

39. Attach the wiring harness to the rear driver side of the cross member using the provided cable tie clip. **Figure 51**

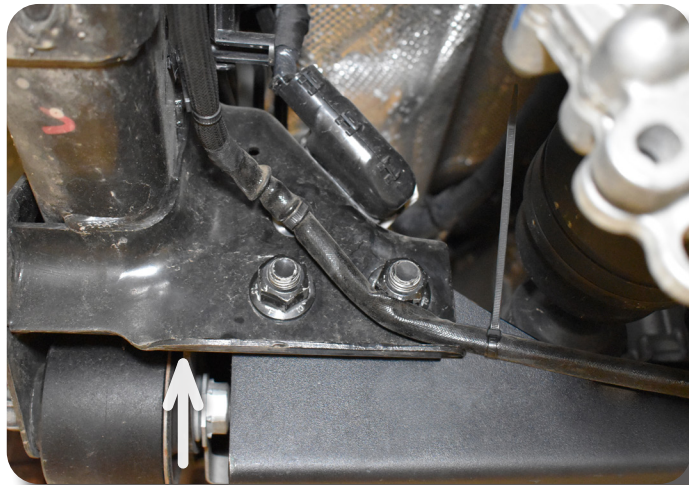


Figure 51

40. Re-Install radius arm nuts loosley. Lower vehicle to the ground and torque to 258 ft-lbs.
41. Check all hardware after 500 miles and at regularly scheduled maintenance intervals.

