



67-1961 2019-UP RAM 2500 Clocking Ring and Trans. Crossmember

IF your ReadyLIFT® product has a damaged or missing part, please contact customer service directly and a new replacement part will be sent to you immediately. For warranty issues, please return to the place of installation and contact ReadyLIFT.

(877) 759-9991

MON-FRI 7AM-4PM PST

OR

EMAIL: support@readylift-ami.COM

WEBSITE: ReadyLIFT.COM

****Please retain this document in your vehicle at all times.****

Limited Lifetime Warranty

This unique product warranty proves our commitment to the quality and reliability of every product that ReadyLIFT manufactures. The ReadyLIFT product warranty only extends to the original purchaser of any ReadyLIFT product, if it breaks, we will give you a new part. Warranty does not apply to discontinued parts.

Our Limited Lifetime Warranty excludes the following ReadyLIFT items; bushings, bump stops, ball joints, tie rod ends, heim joints and shock absorbers. These parts are subject to wear and are not considered defective when worn. They are warranted for 12 months from the date of purchase for defects in workmanship.

This product warranty is voided if the vehicle is not aligned after kit installation and proper maintenance is routinely done.

Product purchased directly from ReadyLIFT has a 90 day return policy on uninstalled products from the date of purchase (may be subject to restocking fee). Uninstalled product returns must be in the original ReadyLIFT packaging. Please call **(877) 759-9991** to get an RGA# for any return. Customer is responsible for shipping costs back to ReadyLIFT. **Returns without RGA# will be refused.** Contact ReadyLIFT directly about any potentially defective parts prior to removal from vehicle.

ReadyLIFT products are **NOT** intended for off-road abuse. Any damage or failure as a result from off-road abuse voids the warranty of the ReadyLIFT product. ReadyLIFT is **NOT** responsible for any subsequent damages to any related vehicle parts due to misuse, abuse, improper installation, or lack of maintenance. Furthermore, ReadyLIFT reserves the right to change, modify or cancel this warranty without prior notice.



READ INSTRUCTIONS THOROUGHLY AND COMPLETELY BEFORE BEGINNING INSTALLATION.

INSTALLATION BY A CERTIFIED PROFESSIONAL MECHANIC IS HIGHLY RECOMMENDED.

READYLIFT® IS NOT RESPONSIBLE FOR ANY DAMAGE OR FAILURE RESULTING FROM IMPROPER INSTALLATION.

Safety Warning

MISUSE OF THIS PRODUCT COULD LEAD TO INJURY OR DEATH.

Suspension systems or components that enhance the on and off-road performance of your vehicle may cause it to handle differently than it did from the factory. Extreme care must be used to prevent loss of control or vehicle rollover during abrupt maneuvers.

Always operate your vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Failure to drive safely may result in serious injury or death to driver and passengers.

Driver and passengers must ALWAYS wear your seat belts, avoid quick sharp turns and other sudden maneuvers. ReadyLIFT Suspension does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

You should never operate your vehicle under the influence of alcohol or drugs.

Constant maintenance is required to keep your vehicle safe. Thoroughly inspect your vehicle before and after every off-road use.

It is the responsibility of the retailer and/or the installer to review all state and local laws, with the end user of this product, related to bumper height laws and the lifting of their vehicle before the purchase and installation of any ReadyLIFT products.

It is the responsibility of the driver/s to check their surrounding area for obstructions, people, and animals before moving the vehicle.

All raised vehicles have increased blind spots; damage, injury and/or death can occur if these instructions are not followed.

Installation Warning

All steps and procedures described in these instructions were performed while the vehicle was properly supported on a two post vehicle lift with safety jacks.

Use caution during all disassembly and assembly steps to insure suspension components are not over extended causing damage to any vehicle components and parts included in this kit.

Included instructions are guidelines only for recommended procedures and are not meant to be definitive. Installer is responsible to insure a safe and controllable vehicle after performing modifications.

ReadyLIFT Suspension recommends the use of an OE Service Manual for model/year of vehicle when disassembly and assembly of factory and related components.

Unless otherwise specified, tighten all bolts and fasteners to standard torque specifications listed within the OE Service Manual.

Suspension components that use rubber or urethane bushings should be tightened with the vehicle at normal ride height. This will prevent premature wear or failure of the bushing and maintain ride comfort.

Larger tire and wheel combinations may increase leverage on suspension, steering, and related components.

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 ride height. Always measure the vehicle ride height prior to beginning installation.

BILL OF MATERIALS

COMPONENTS	
DESCRIPTION	QTY
Transmission Crossmember	1
Transmission Mounting Plate	1
Transmission Mount Spacer	2
Connector Relocation Bracket	1
Harness Relocation Bracket	1
Transfer Case Clocking Ring	1

HARDWARE	
DESCRIPTION	QTY
M6 Flat Washer	4
M6 x 20mm Hex Head Bolt	1
M6 x 25mm Hex Head Bolt	1
M6 Locking Nut	2
3/8" Locking Nut	6
3/8" Flat Washer	6
M12 Flat Washer	12
M12 x 45mm Hex Head Bolt	6
M12 Locking Nut	6
M10-1.5 x 30mm Flat Head Allen Bolts. Gr10.9	6
Driveline Dust Boot Band Clamp	1



Before starting installation: ReadyLIFT Suspension highly recommends that the installation of this product be performed by a professional mechanic with experience working on and installing suspension products. Professional knowledge and skill will typically yield the best installation results. If you need an installer in your area, please contact ReadyLIFT Suspension Customer Service to find one of our "Pro-Grade" Dealers.

INSTALLATION BY A PROFESSIONAL IS HIGHLY RECOMMENDED.

- A Factory Service Manual for your specific Year / Make / Model is highly recommended for reference during installation.
- All lifted vehicles may require additional driveline modifications and / or balancing.
- A vehicle alignment is REQUIRED after installation of this product.
- Speedometer / Computer recalibration is required if changing +/- 10% from factory tire diameter.
- A vehicle lift or hoist greatly reduces installation time. Installation time estimates are based on an available vehicle hoist.
- Vehicle must be in excellent operating condition. Repair or replace any and all worn or damaged components prior to installation.

*****Parts shown in red for picture clarification only*****

ReadyLIFT recommends all steps and procedures described in these instructions be performed while the vehicle is properly supported on a two post vehicle lift with safety jacks.

Disconnect the vehicle power source at the ground terminal on the battery.

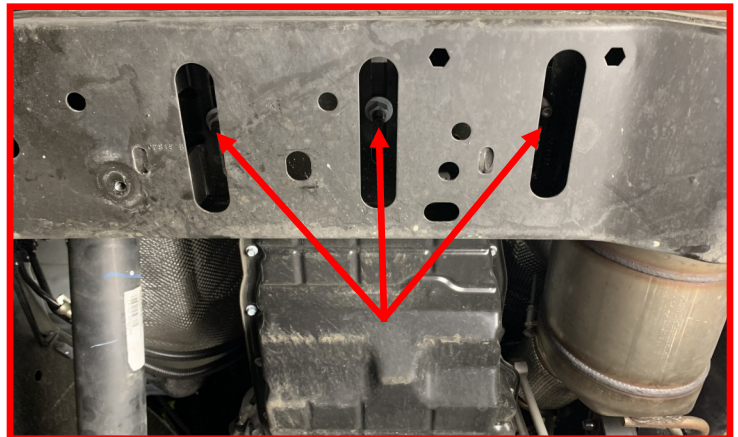
Otherwise, park vehicle on a clean flat surface and block the rear wheels for safety. Engage the parking brake.

Lock the steering wheel in the straight forward position with the column lock or steering wheel locking device.

Using a suitable jack, support the transfer case. Allow yourself ample room around the front of the transfer case to ensure you have room to access hardware and harnesses.



With the transfer case supported, locate the (3) **transmission mounting nuts**.



Remove the (3) transmission mounting nuts and retain the factory nuts.



Remove the harness mounting clips attached to the front of the transmission crossmember.

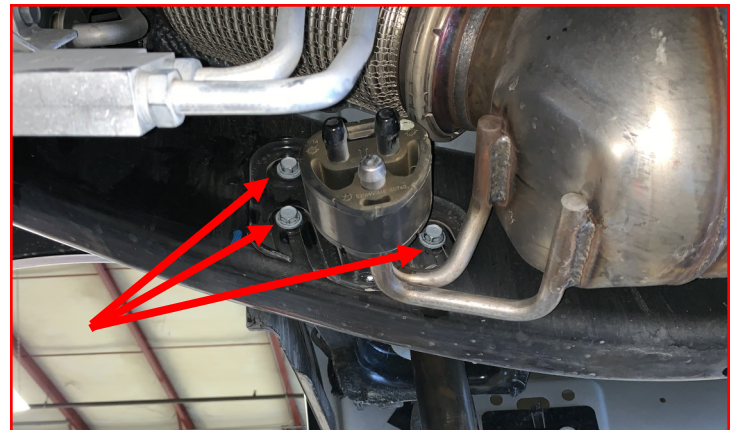


Support the transmission crossmember with a suitable jack stand. Working on one side at a time, Loosen and remove two transmission crossmember bolts.

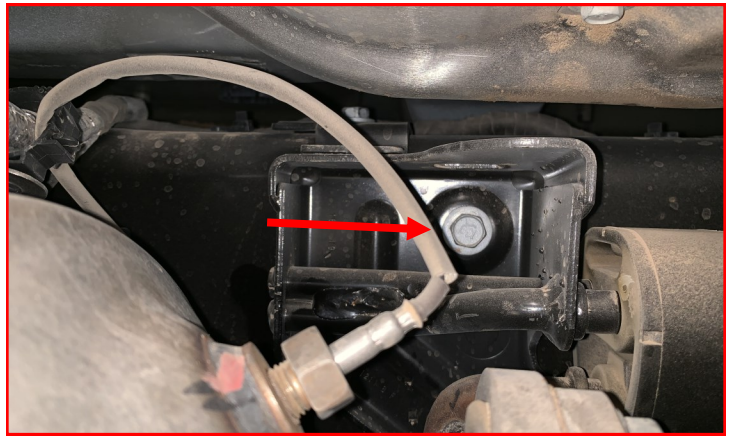


Note: Vehicles that are equipped with optional diesel engines, It will be necessary to raise the DPF (Diesel Particulate Filter) to remove passenger side transmission crossmember bolts. The following steps will instruct you on how to proceed.

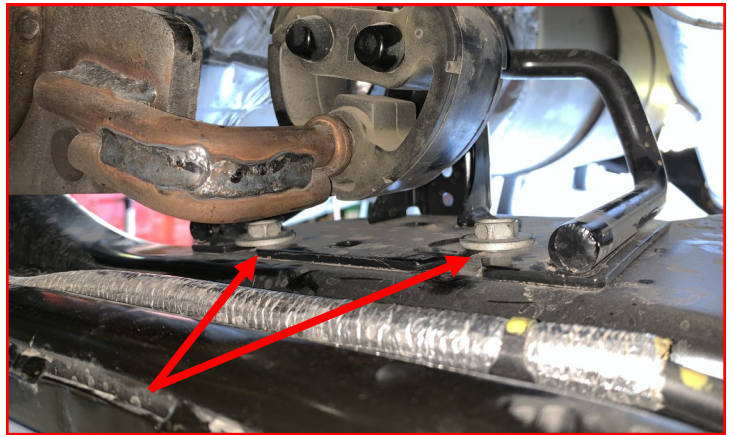
Remove the (3) front exhaust hanger mounting bolts.



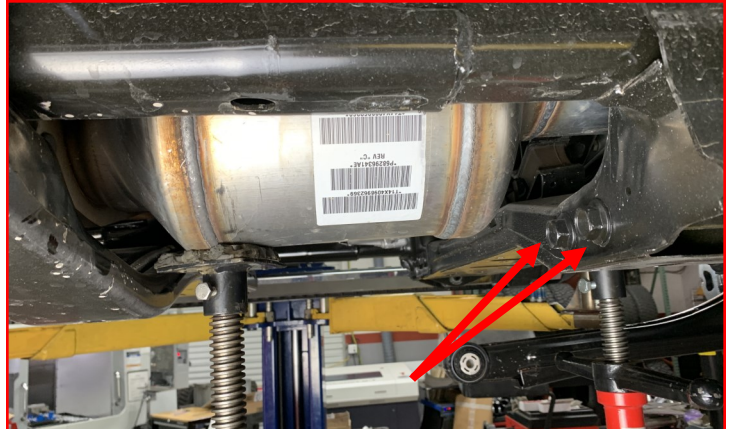
Remove the (2) center exhaust hanger mounting bolts.



Remove the (2) Diesel Exhaust Fluid (DEF) tank crossmember exhaust hanger mounting bolts.

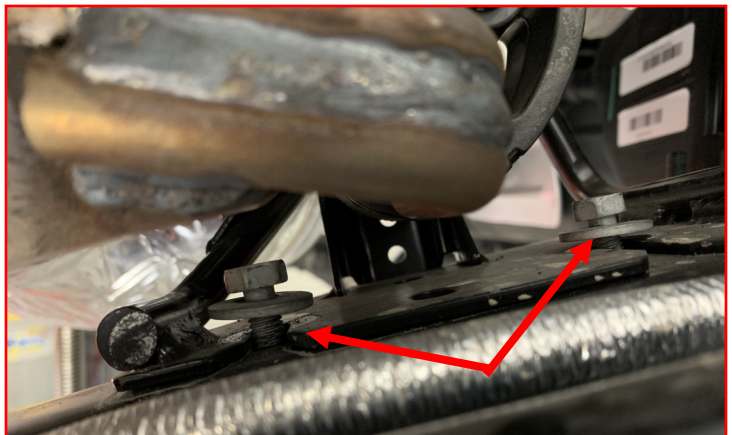


Raise the DPF with a suitable jack and remove the (2) passenger transmission crossmember bolts. Retain factory hardware.



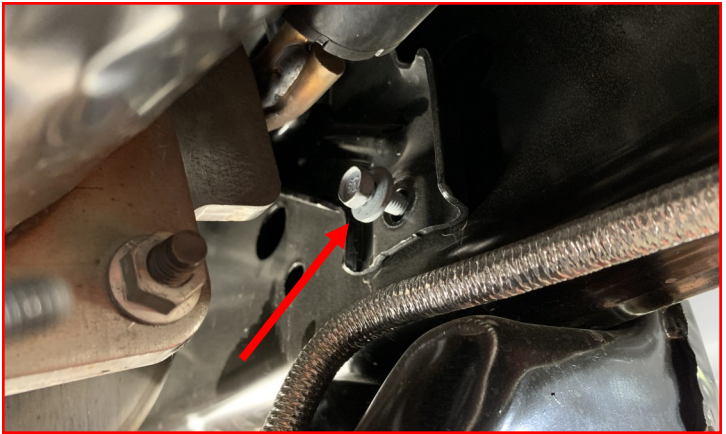
Lower jack and install the (2) Diesel Exhaust Fluid (DEF) tank crossmember exhaust hanger bolts.

Torque the mounting bolts to 15 ft-lbs.



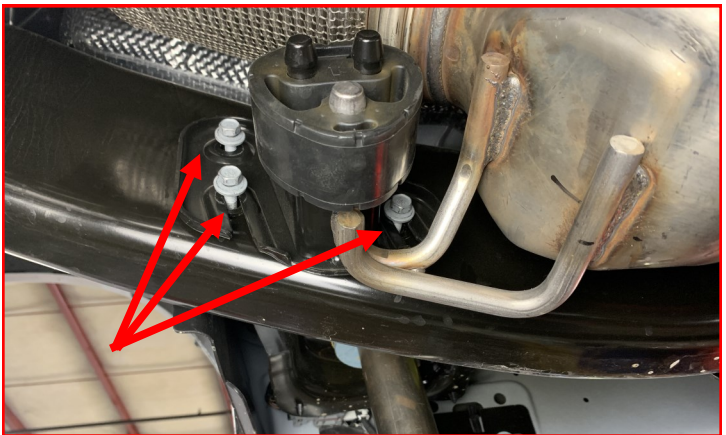
Install the (2) center exhaust hanger mounting bolts.

Torque the mounting bolts to 15 ft-lbs.



Install the (3) front exhaust hanger mounting bolts.

Torque the mounting bolts to 15 ft-lbs.



Loosen but do not remove radius arm frame pivot bolt. This will aid in the removal of the transmission crossmember.

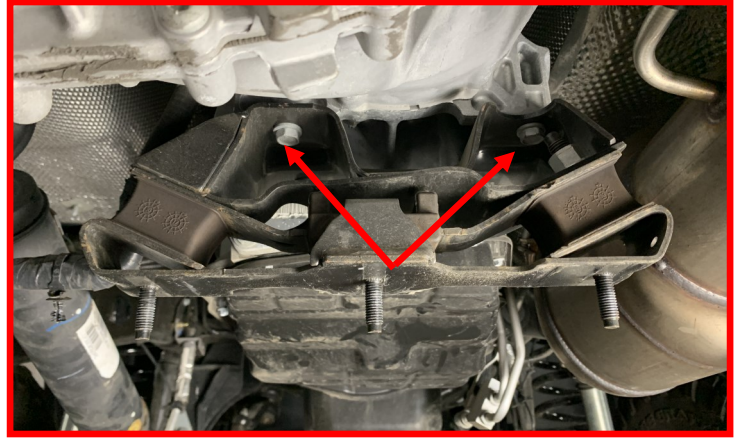


Remove the driver side transmission crossmember bolts and retain factory hardware.

Ensure all transmission crossmember hardware, harnesses or other are clear and remove the transmission crossmember.



The transmission mount is attached with (4) bolts. Remove the (2) bolts located at the rear of the mount and retain the factory hardware.



The remaining (2) bolts are located at the front of the mount. Remove the (2) bolts and remove the mount. Retain the factory hardware.

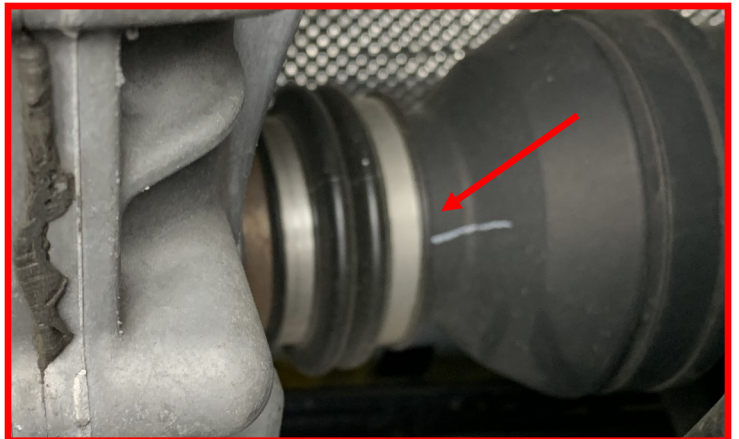
Note: Removing the transmission mount isn't necessary but it will allow additional room to access other components.



Mark the driveshaft to pinion flange location. Remove the front driveshaft hardware from the flange. Let hang out of the way. Retain the factory hardware.



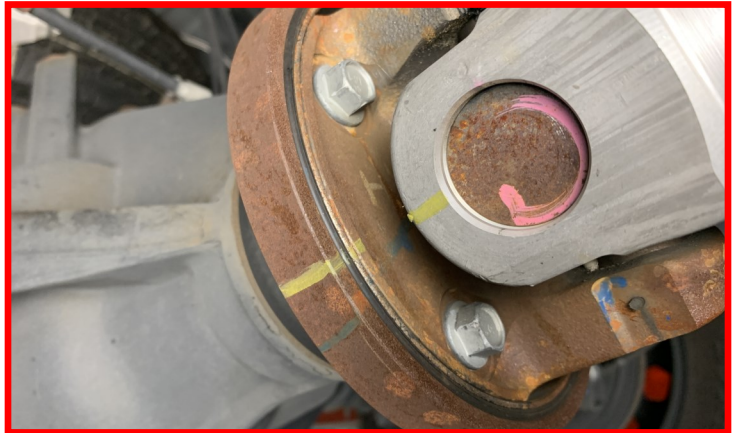
Carefully remove the larger clamp on the front driveline dust boot. Slide the boot back to gain access to the retaining clip.



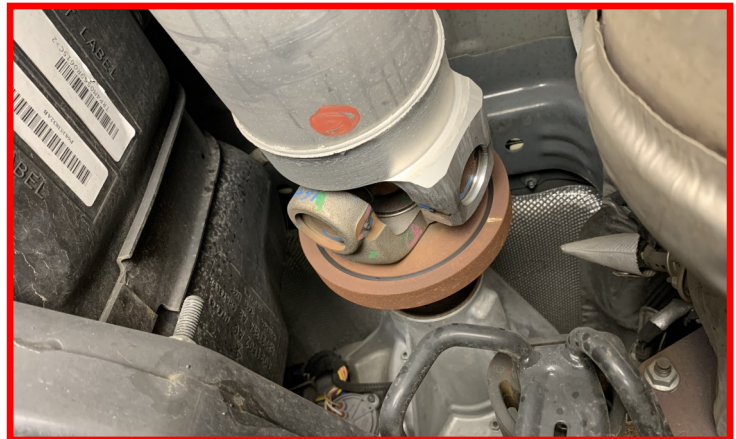
Using the appropriate pliers, open the retaining clip and slide the front driveline off the splines.



Mark the driveshaft to pinion flange location. Remove the rear driveshaft hardware from the flange. Let hang out of the way. Retain the factory hardware.



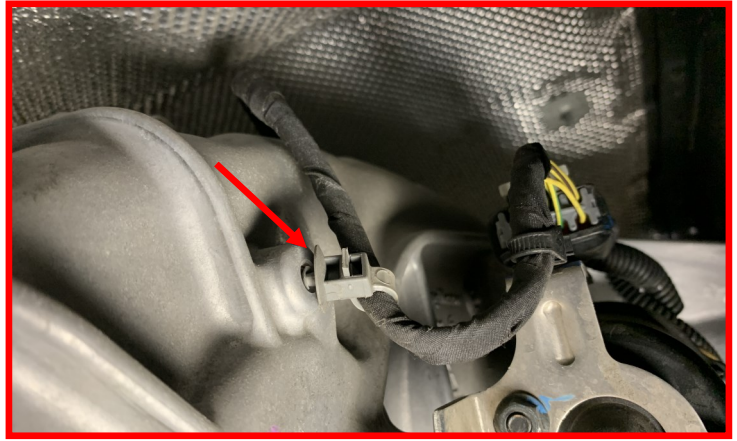
To remove the rear driveshaft, carefully slide the slip yoke out of the tail shaft housing on the transfer case. Take care not to damage the slip yoke or tail shaft boot when handling the driveshaft.



Remove the **connector** on the transfer case shift solenoid.



Remove the **transfer case harness retaining clip** on the rear of the transfer case.



Remove the **transfer case harness retaining clip** located on the top of the transfer case.



Using a suitable jack, support the transmission.



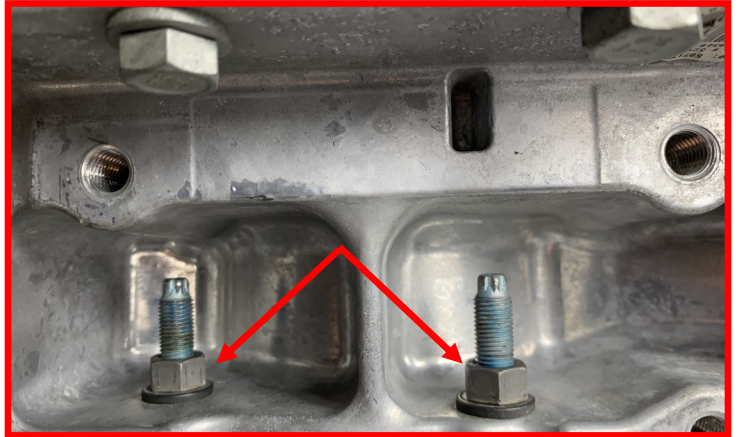
Ensure the transfer case is free of any other harness clips and the harnesses are not wrapped, hung on or caught on any part of the transfer case.



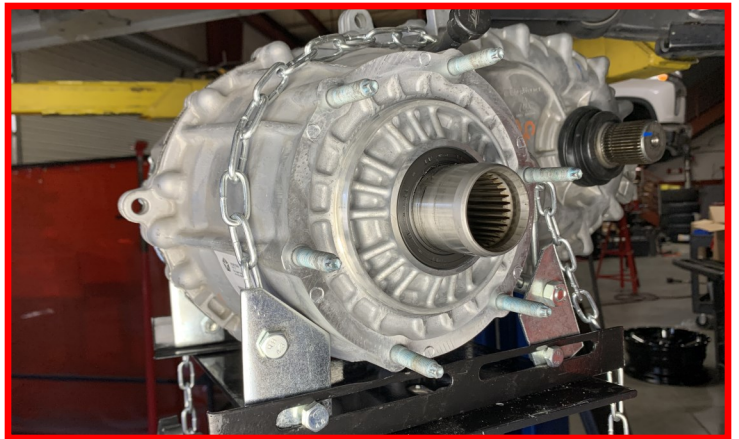
Using a suitable jack, support the transfer case.



Remove the (6) transfer case mounting nuts. (2) are located on the bottom, (1) on either side on the transfer case and (2) located on the top.

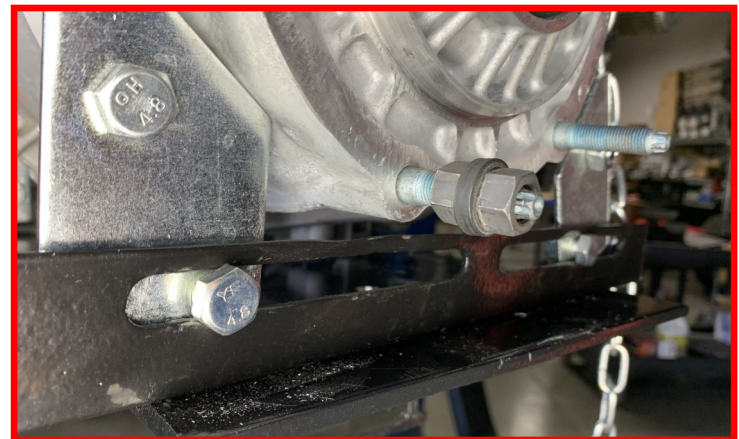


Carefully remove the transfer case. If a transmission jack isn't present it is highly suggested that helpers are available to help remove the transfer case from vehicle.

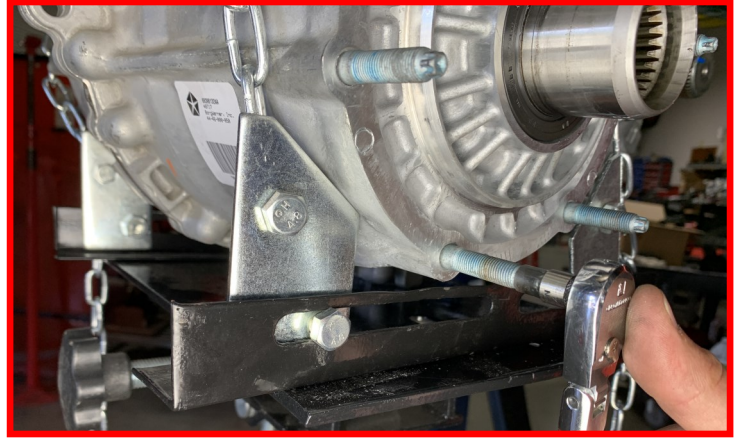


Once the transfer case is removed from vehicle, remove the factory mounting studs. There are two ways to remove the studs.

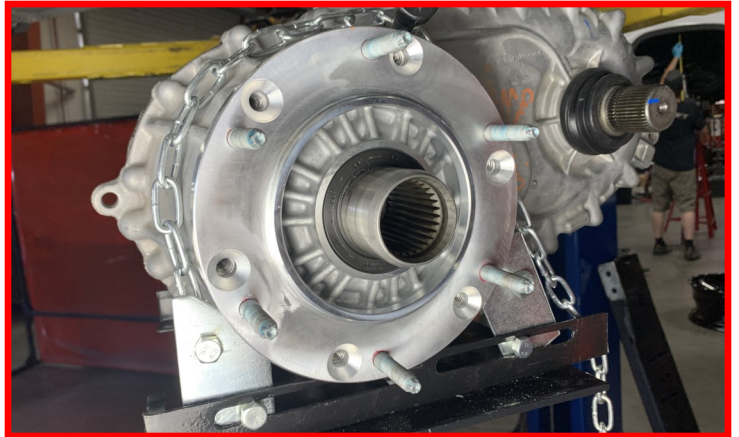
Option 1: Double nut the stud by tightening the nuts together and backing the inner nut out. This will unthread the stud.



Option 2: Using the splines and an appropriate socket, unthread the stud.

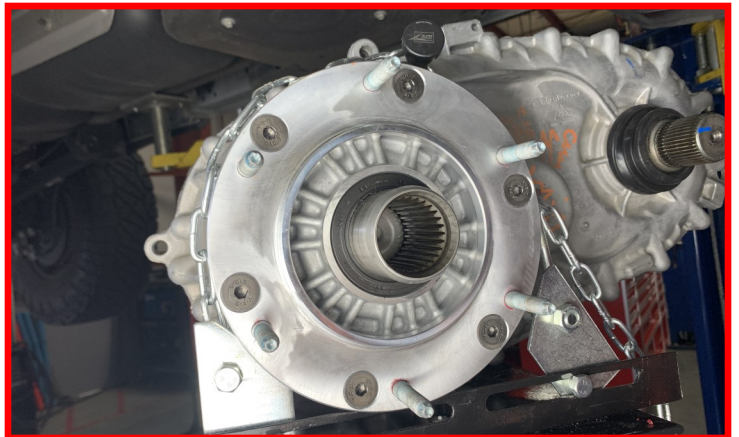


Install the **supplied transfer clocking ring**. It may be necessary to rotate the ring until all the mounting holes align.



Install the supplied **M10 flat head bolts** using thread locker.

Torque to the bolts **40 ft-lbs.**



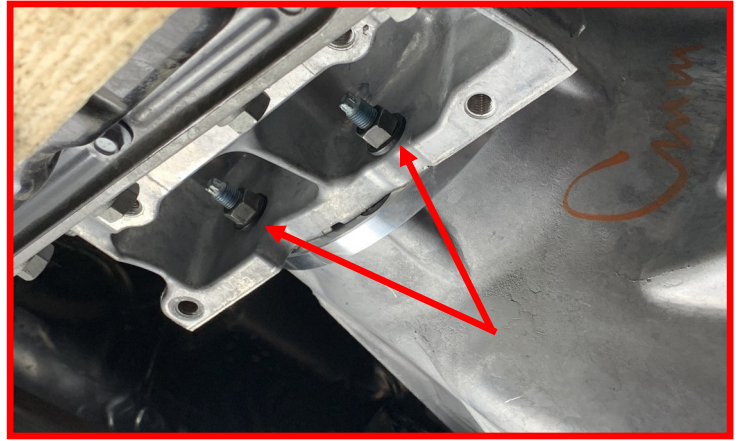
Install transfer case.

Note: Ensure the mounting surfaces are clear of dirt/debris and there isn't any harnesses hanging between the transmission and the transfer case.

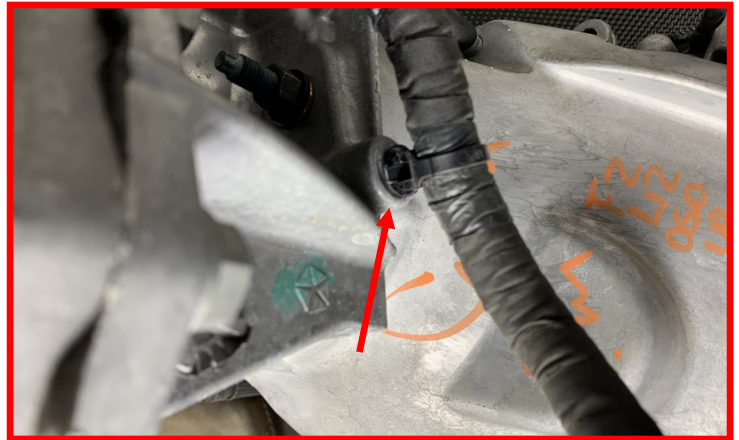


With the transfer case installed and mated back to the transmission, installed the (6) supplied 3/8" locking nuts and flat washers.

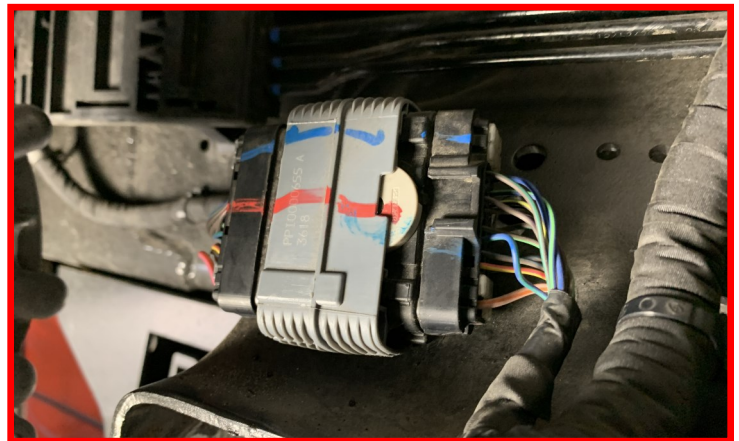
Torque the nuts to 55 ft-lbs.



Remove the transfer case harness clip that is located on the driver side of the transmission.

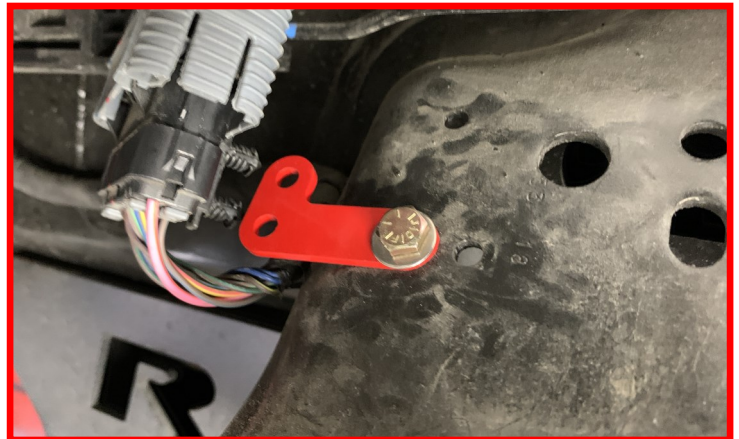


Remove the harness connection from the driver side transmission crossmember mounting.



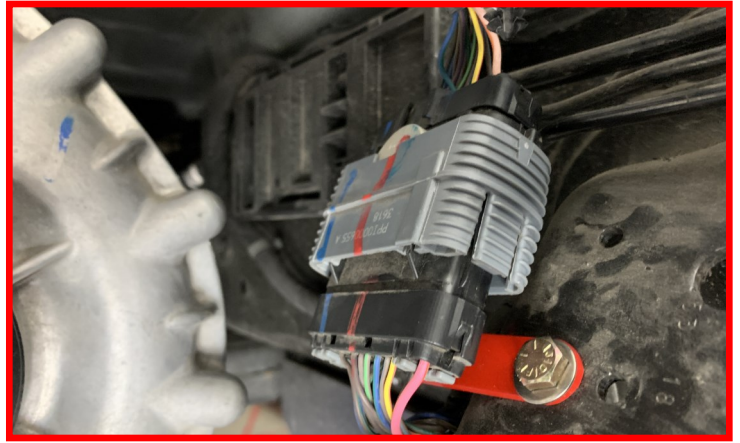
With the connector out of the way, install the connector relocation bracket using the supplied M6 x 20mm bolt, locking nut and washers.

Do not fully tighten at this time.



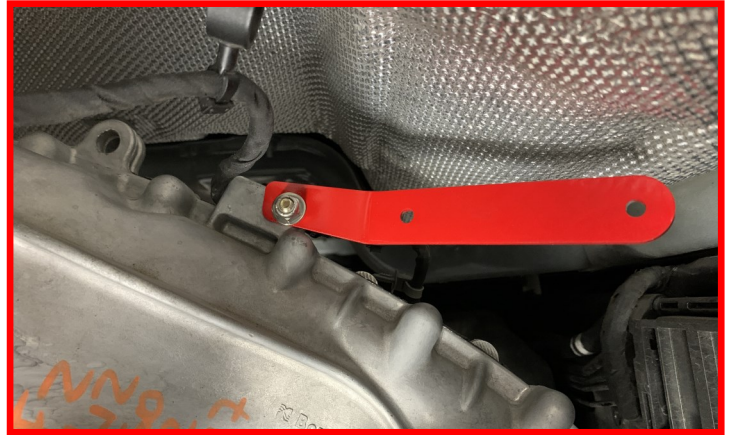
Install the harness connector onto the relocation bracket.

Torque the 1/4" hardware to **15 ft-lbs.**



Install the **harness relocation bracket** using the supplied **M6 x 25mm bolt, locking nut and washers** into the hole that the retaining clip was removed from.

Do not fully tighten at this time.



Install the harness that was attached to the top of the transmission crossmember onto the harness relocation bracket.

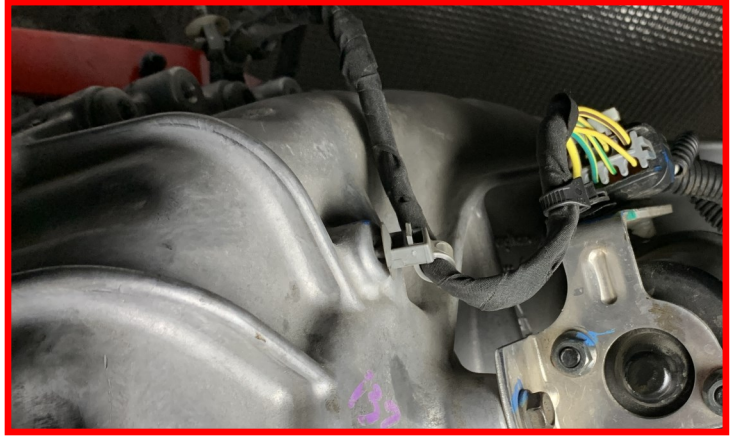
Torque the M6 hardware to **15 ft-lbs.**



Install the transfer case shift solenoid connector.



Install the **transfer case harness retaining clip** on the rear of the transfer case.

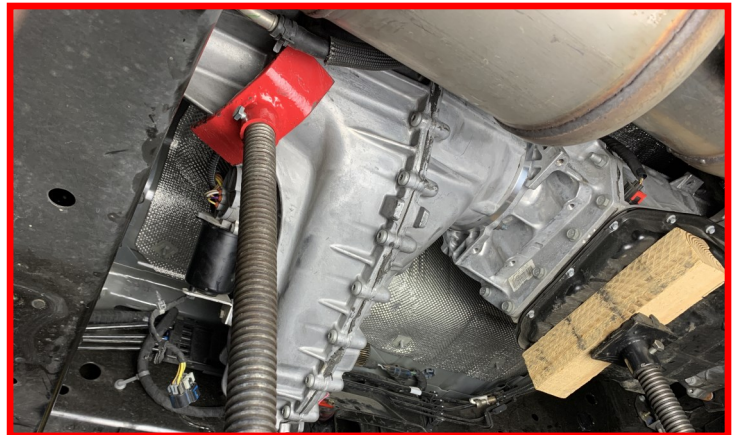


Install the transfer case **harness retaining clip** located on the top of the transfer case.



Using a suitable jack, support the transfer case again. Be sure to allow yourself ample room around the transfer case.

With the transfer case supported, remove the transmission support.

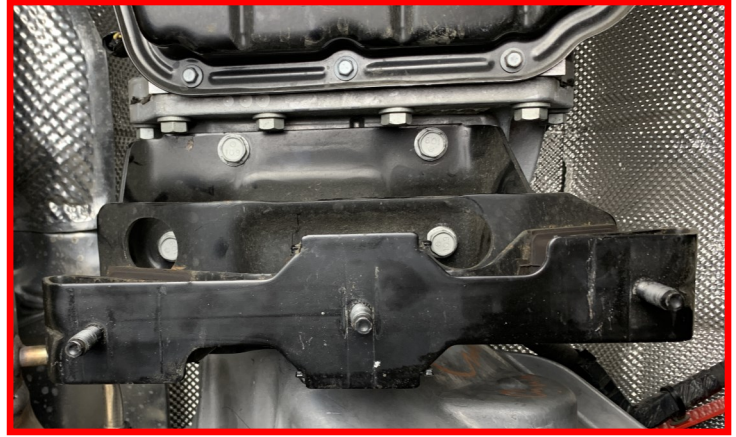


Install the transmission mount using the (4) factory bolts.

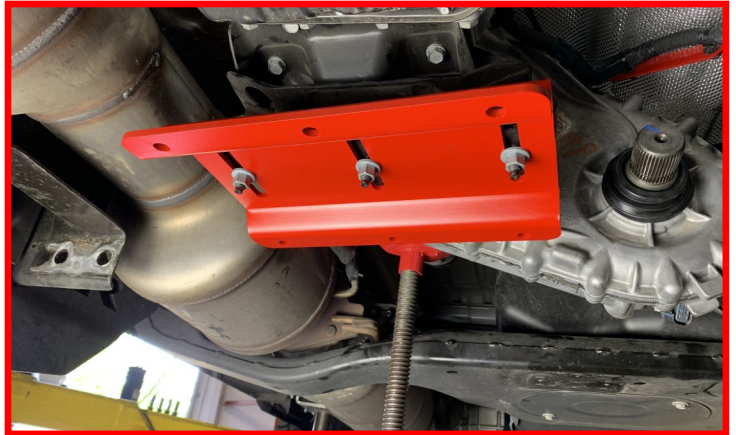


Tighten the transmission mount bolts.

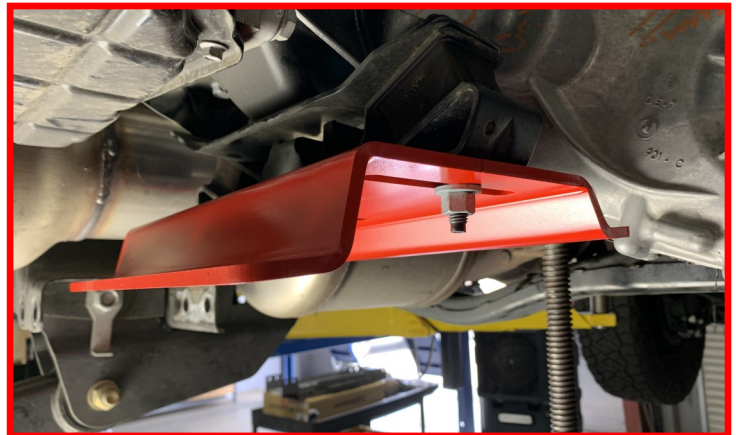
Torque the hardware to **40 ft-lbs.**



Install the provided **transmission mounting plate** using the factory transmission mount nuts. Do not tighten at this time.



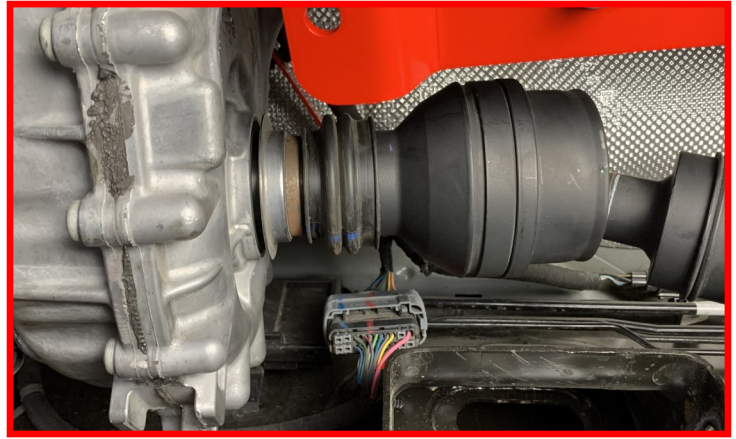
Ensure that the **mount** is installed with the slope facing towards the rear of the vehicle.



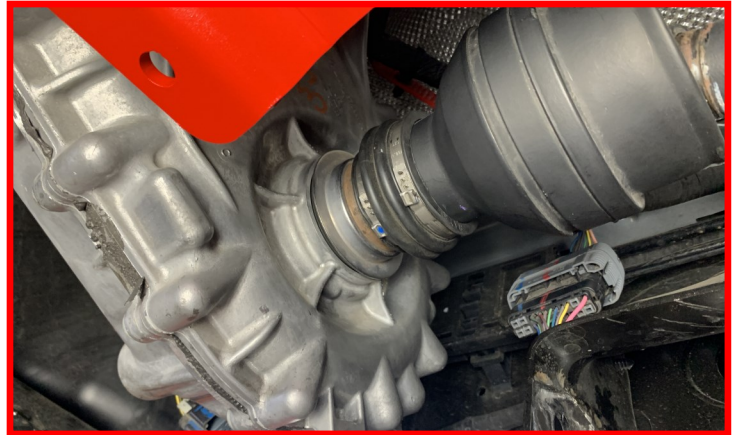
Install the front driveline onto the transfer case. Ensure the retaining clip is fully seated.



Slide the dust boot back over the front output splines.



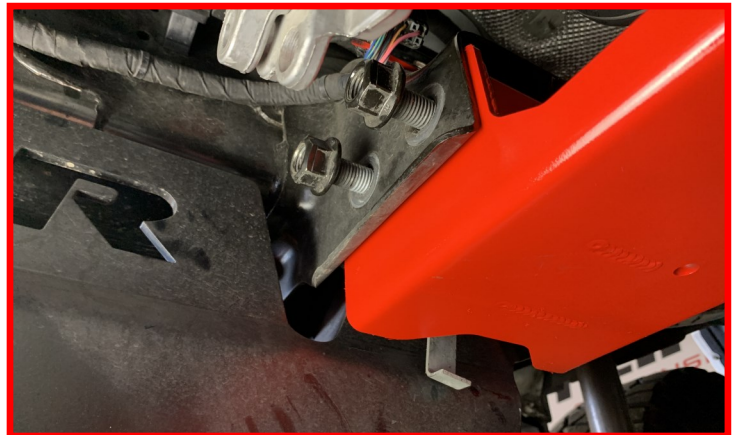
Install the supplied clamp onto the dust boot and joint housing.



Install the replacement transmission crossmember.

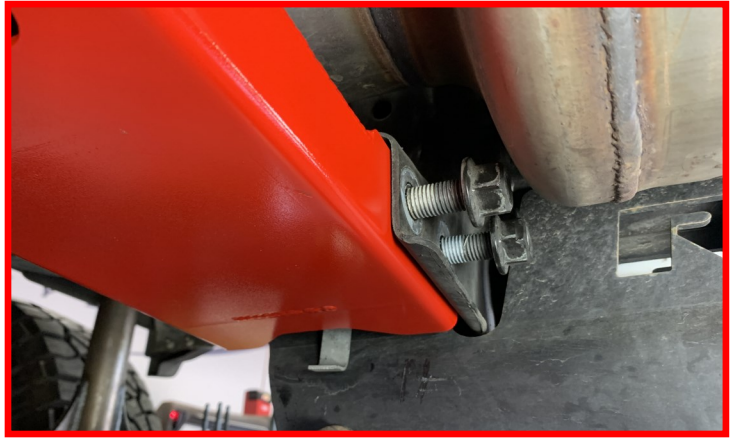


Using the factory transmission crossmember hardware, install the driver side from front to rear.



Using the **factory transmission crossmember hardware** install the passenger side from front to rear. This will aid in removal if service needs to be performed.

Torque the crossmember bolts to **130 ft-lbs.**



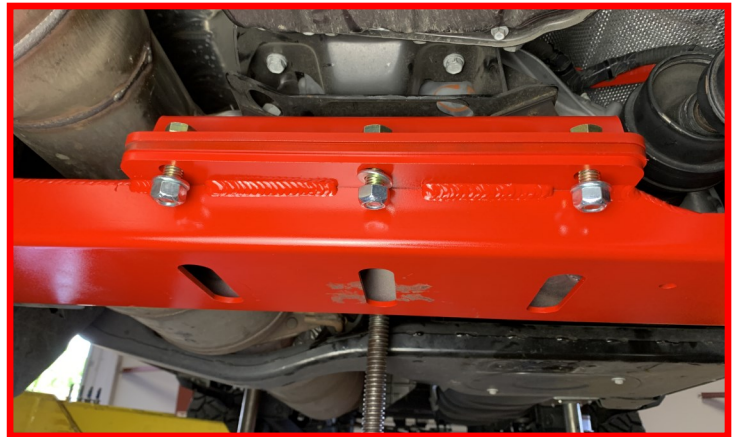
Install (3) supplied M12 bolts, (3) locking nuts and (6) flat washers through the rear holes on the **transmission mounting plate, mounting plate spacer and the transmission crossmember.** Do not tighten at this time.



Install (3) supplied M12 bolts, (3) locking nuts and (6) flat washers through the front holes on the **transmission mounting plate, mounting plate spacer and the transmission crossmember.** Lower the transmission down on top of the mount.

Torque the M12 hardware to **80 ft-lbs.**

Torque the (3) transmission mounting nuts to **35 ft-lbs.**

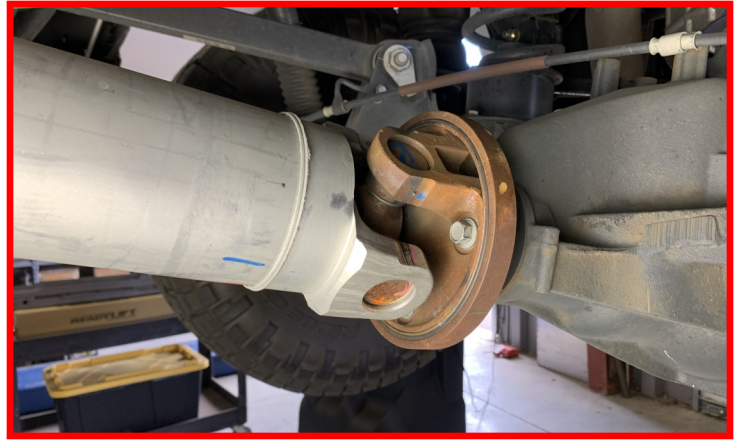


Install the rear driveshaft into the tail shaft housing in the transfer case.



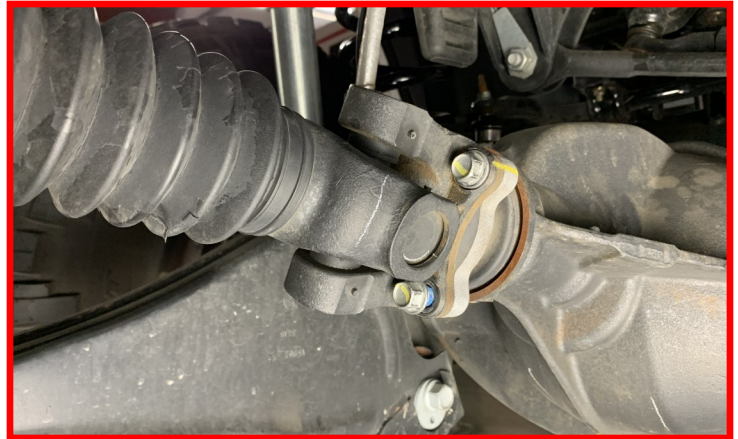
Install the rear driveshaft to the pinion flange lining up the previous marks using the factory hardware and thread locker.

Torque the bolts to **40 ft-lbs.**



Using the factory hardware and thread locker, install the drive shaft to the pinion flange lining up the previous marks.

Torque the bolts to **40 ft-lbs.**



With everything tightened and torqued to specifications, attach the vehicle negative power source.



FAILURE TO PERFORM THE POST INSPECTION CHECKS MAY RESULT IN VEHICLE COMPONENT DAMAGE AND/OR PERSONAL INJURY OR DEATH TO THE DRIVER AND/OR OTHERS.

Final Checks & Adjustments

Once the vehicle is lowered to the ground, check all parts which have rubber or urethane components to ensure proper torque. Torque lug nuts to the wheel manufacturer specs. Move vehicle backwards and forwards a short distance to allow suspension components to adjust. Turn the front wheels completely left then right and verify adequate tire, wheel, brake line, and ABS wire clearance. Test and inspect steering, brake and suspension components for tightness and proper operation. Inspect brakes hoses and ABS lines for adequate slack at full extension, adjust as necessary.

RECHECK ALL HARDWARE FOR PROPER TORQUE VALUES AFTER 500 MILES, AND THEN PERIODICALLY AT EACH SERVICE INTERVAL THERAFTER.

Vehicle Handling Warning

Increasing the height of your vehicle raises the center of gravity and can affect stability and control. Use caution on turns and when making steering corrections.

Vehicles with larger tires and wheels will handle differently than stock vehicles. Take time to familiarize yourself with the handling of your vehicle.

Wheel Alignment/Headlamp Adjustment

It is necessary to have a proper and professional wheel alignment performed by a certified alignment technician. Align the vehicle to factory specifications. It is recommended that your vehicle alignment be checked after any off-road driving.

In addition to your vehicle alignment, for your safety and others, it is necessary to check and adjust your vehicle headlamps for proper aim and alignment. If the vehicle is equipped with active or passive safety/collision monitoring and/or avoidance systems including, but not limited to, camera- or radar-based systems, check and adjust your vehicle's systems for proper aim and function.