



4122 – 2007-PRESENT, MERCEDES SPRINTER, CATALYTIC CONVERTER GUARD

Version 1.1

General Notes

- For the most up to date and current instructions, please visit our website at www.vancompass.com
- Please read all instructions thoroughly before starting installing Van Compass products.
- This product can be installed with the vehicle on the ground, sitting under its own weight.
- This product can be completely removed, allowing the vehicle to be returned to stock configuration if desired.

Parts List

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- (1) 412201-01 CATALYTIC CONVERTER GUARD MAIN PLATE
- (1) 412202-01 FRONT HANGER
- (1) 412203-01 REAR HANGER
- (1) 412204-01 REAR OUTBOARD NUT TAB
- (1) 412205-01 FRONT OUTBOARD NUT TAB
- (1) 412206-01 REAR INBOARD NUT TAB
- (1) 412207-01 REAR OUTBOARD NUT TAB 2
- (7) BSTC-6-11-SS BUTTON HEAD SECURITY TORX BOLT, 3/8-16 X 1 ¼", STAINLESS STEEL
- (4) NNFC-6-SS NYLOCK FLANGE NUT, 3/8-16, STAINLESS STEEL
- (7) WFS-6 FLAT WASHER, 3/8, STAINLESS STEEL
- (1) STS-T45 SECURITY TORX SOCKET, T45



Tools Needed

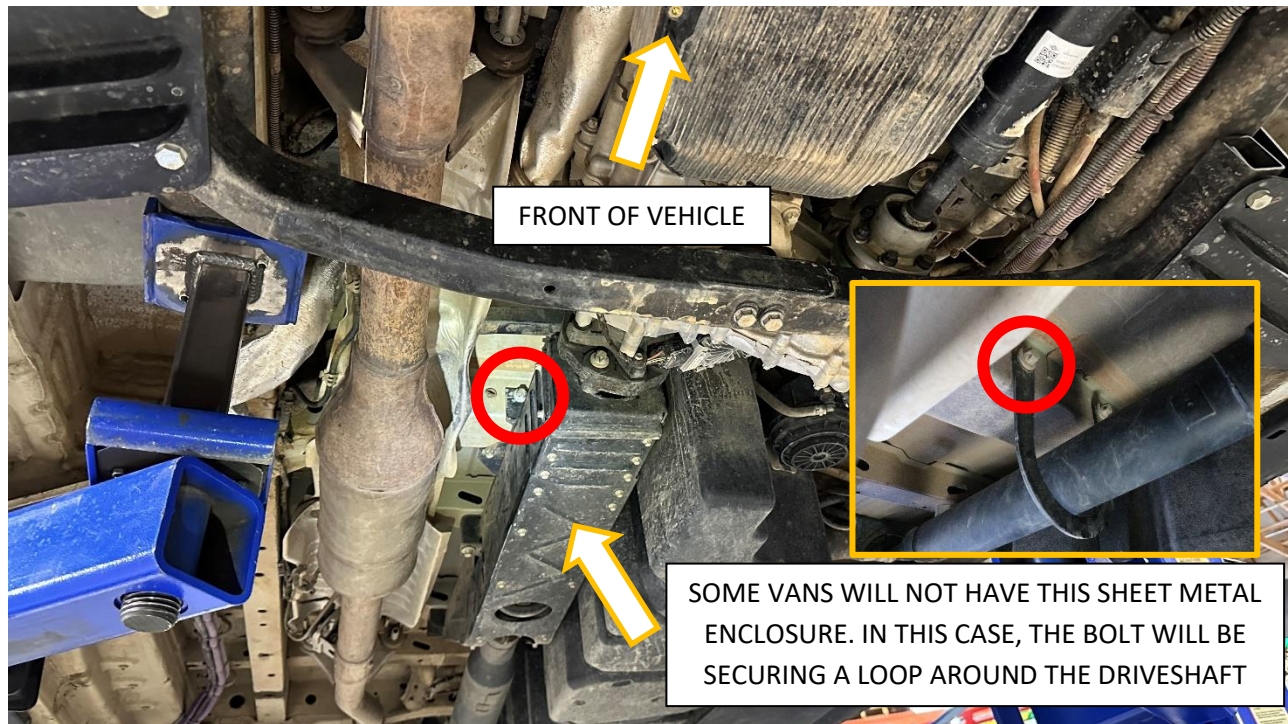
- Optional – Automobile lift and screw jack
- Simple hand tools:
 - Torque Wrench
 - 3/8" Drive Socket Wrench
 - E18 External Torx Socket (Or 14mm 12pt)
 - 9/16" Combination Wrench
 - ½" or 12mm Drill Bit and Drill

Approximate Installation Time

- Professional shop with automotive lift: 20 min – 40 min
- Driveway install: 30 min - 1 hour

Installation

- 1) Note; 2023 and newer vans like the one pictured in these instructions may come equipped with a sheet metal enclosure around the driveshaft. The mounting locations are the same with or without this enclosure.
- 2) **Note; the hardware included in this kit is stainless steel. The use of power/impact tools for installation is not recommended due to the possibility of over-torque and galling.**
- 3) Locate and remove the E18 External Torx bolt shown below. Reuse the E18 Torx bolt to install the 412202-01 Front Hanger with the top flange parallel to the floor as shown. Tighten until snug, wait to fully torque. Note – a 14mm 12 point socket can be used to remove this bolt as well.

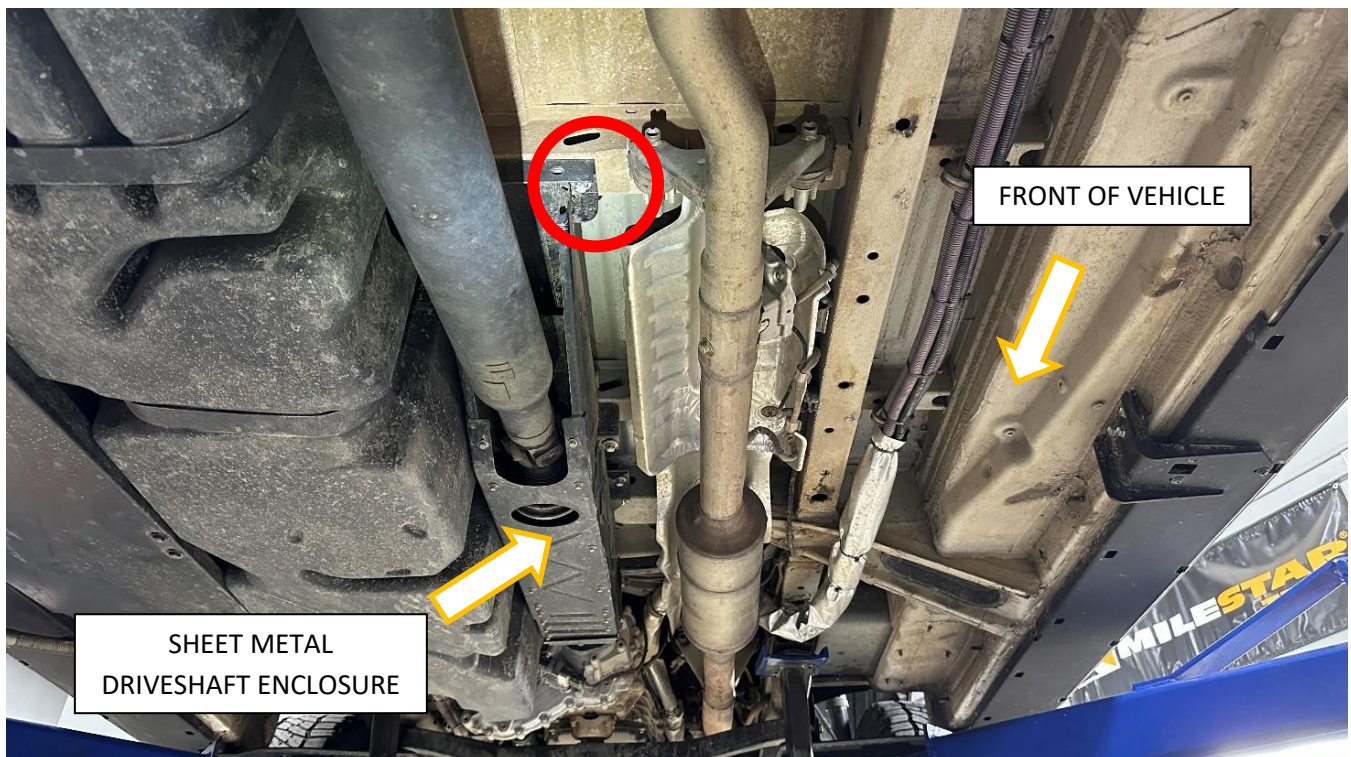




INSTALL FRONT HANGER USING E18 TORX BOLT.
TOP EDGE OF FLANGE SHOULD BE PARALLEL
WITH FLOOR OF VAN. TIGHTEN UNTIL SNUG.

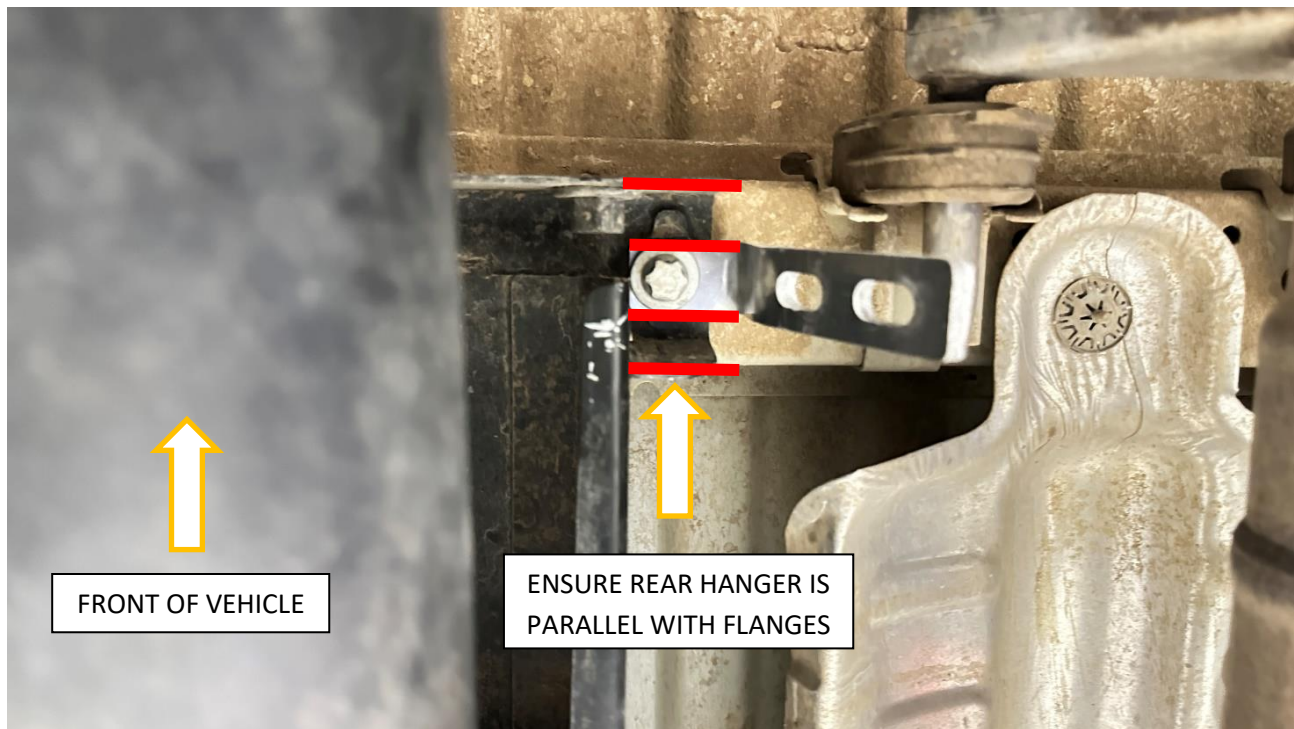
4) Locate the rear inboard mounting location.

- a. **Vans equipped with the sheet metal driveshaft enclosure:** There will already be an E18 Torx bolt installed in this location. Remove it, then reuse it to install the 412203-01 Rear Hanger. Ensure the rear hanger is aligned parallel with the flanges on either side of it, then tighten until snug. Wait to fully torque.

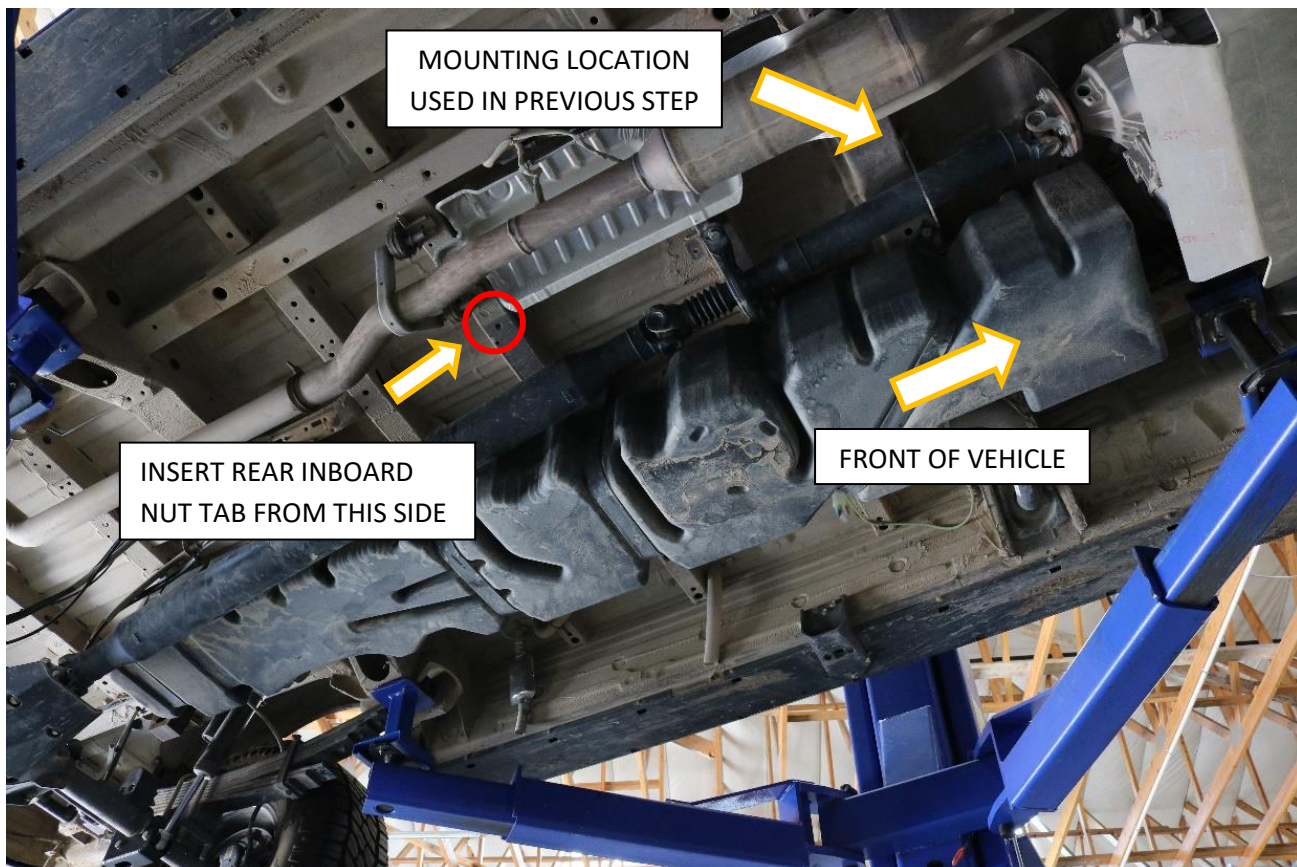


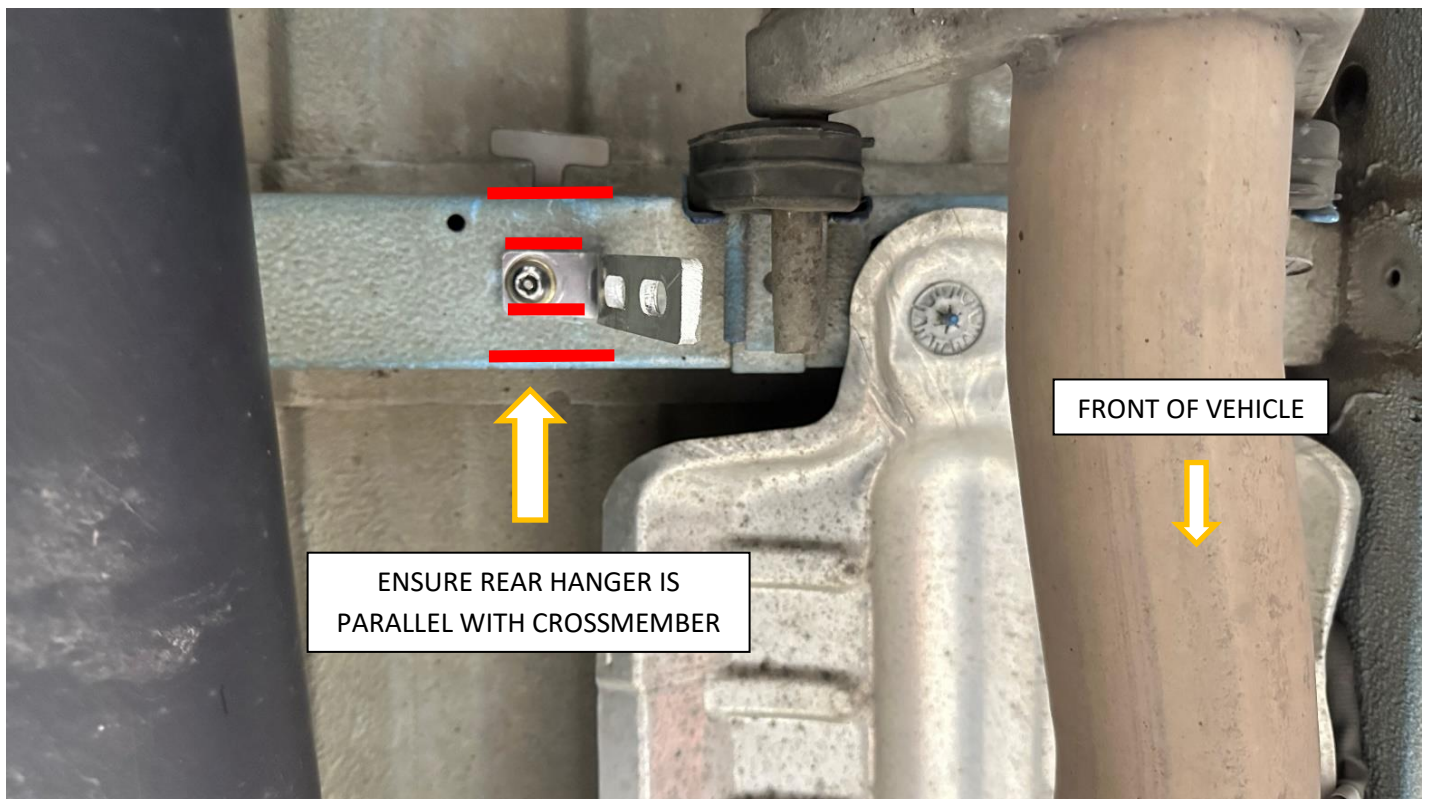
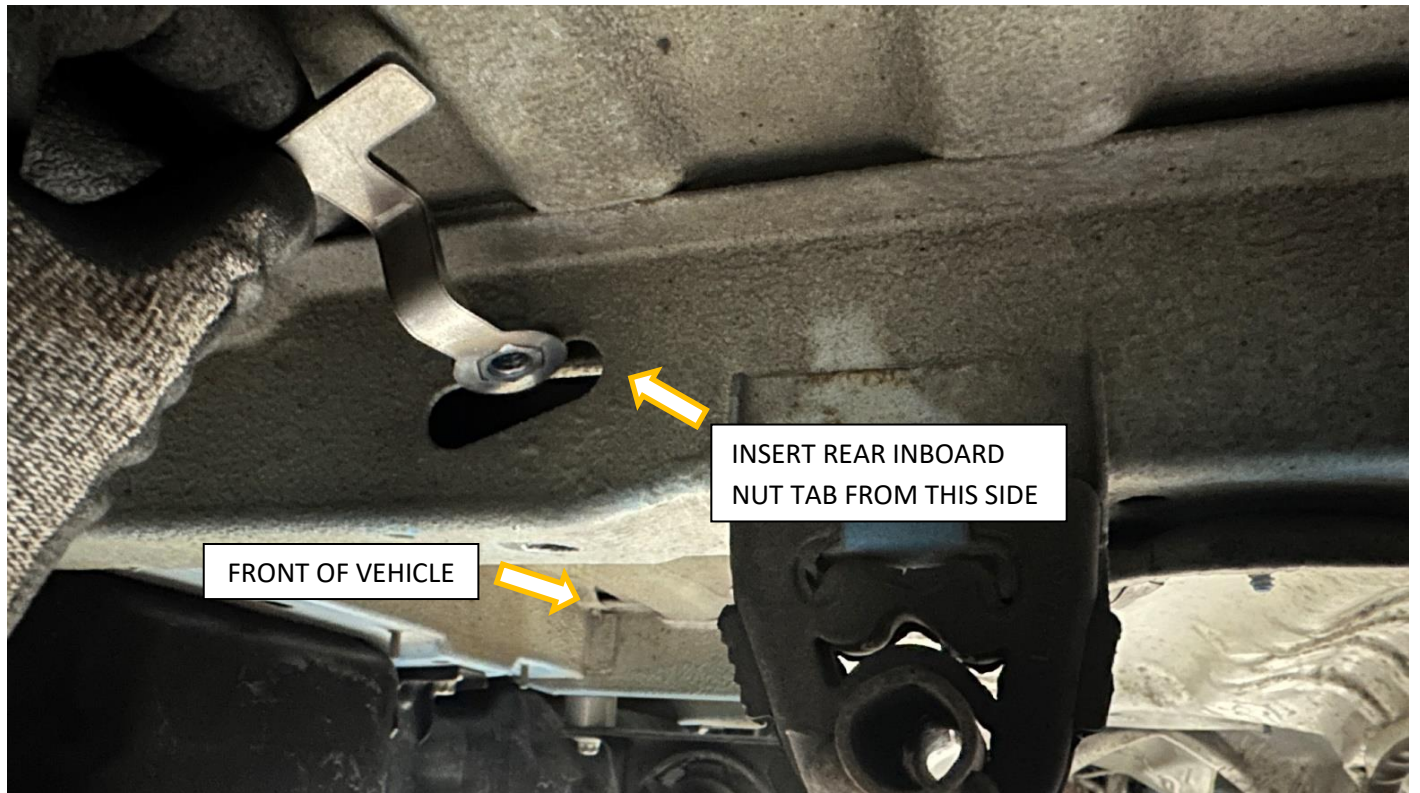
FRONT OF VEHICLE

SHEET METAL
DRIVESHAFT ENCLOSURE



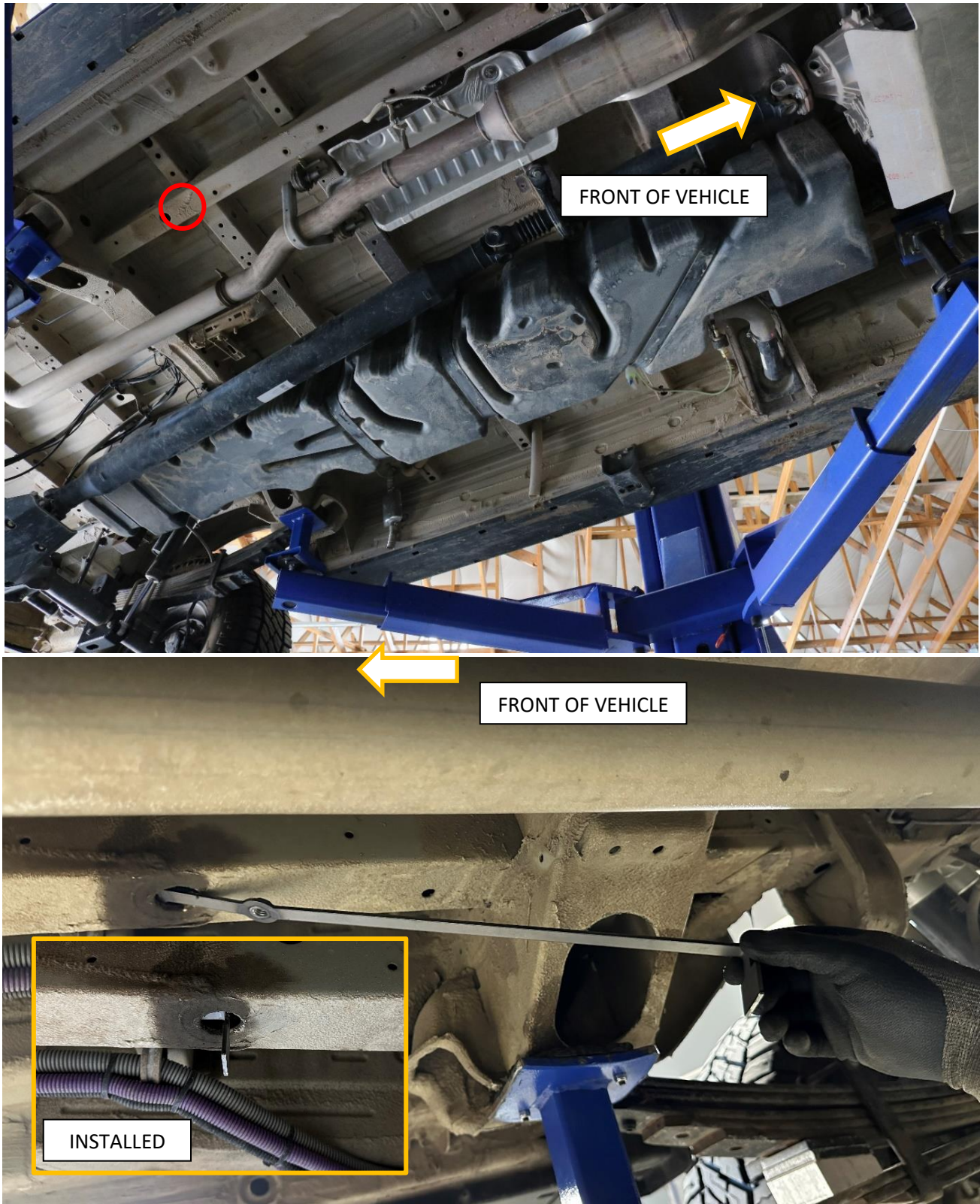
- b. **Vans WITHOUT sheet metal driveshaft enclosure:** Locate the mounting hole circled in red below. Insert 412206-01 Rear Inboard Nut Tab through the angled slot in the back of the crossmember, then use one of the supplied 3/8-16 X 1 1/4" Torx bolts and the T45 driver to mount the rear hanger. Ensure the hanger is aligned parallel with the crossmember, then tighten until snug. Wait to fully torque.



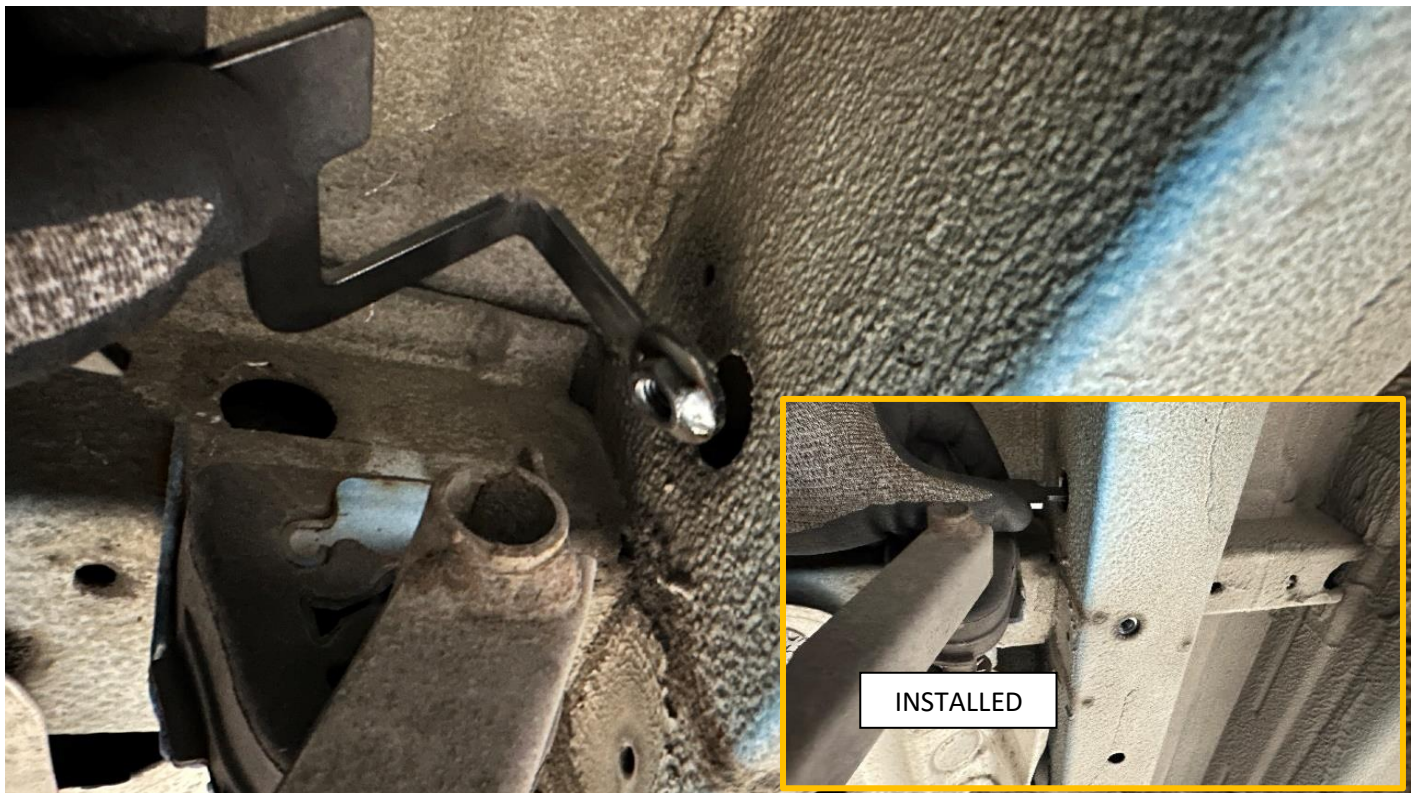
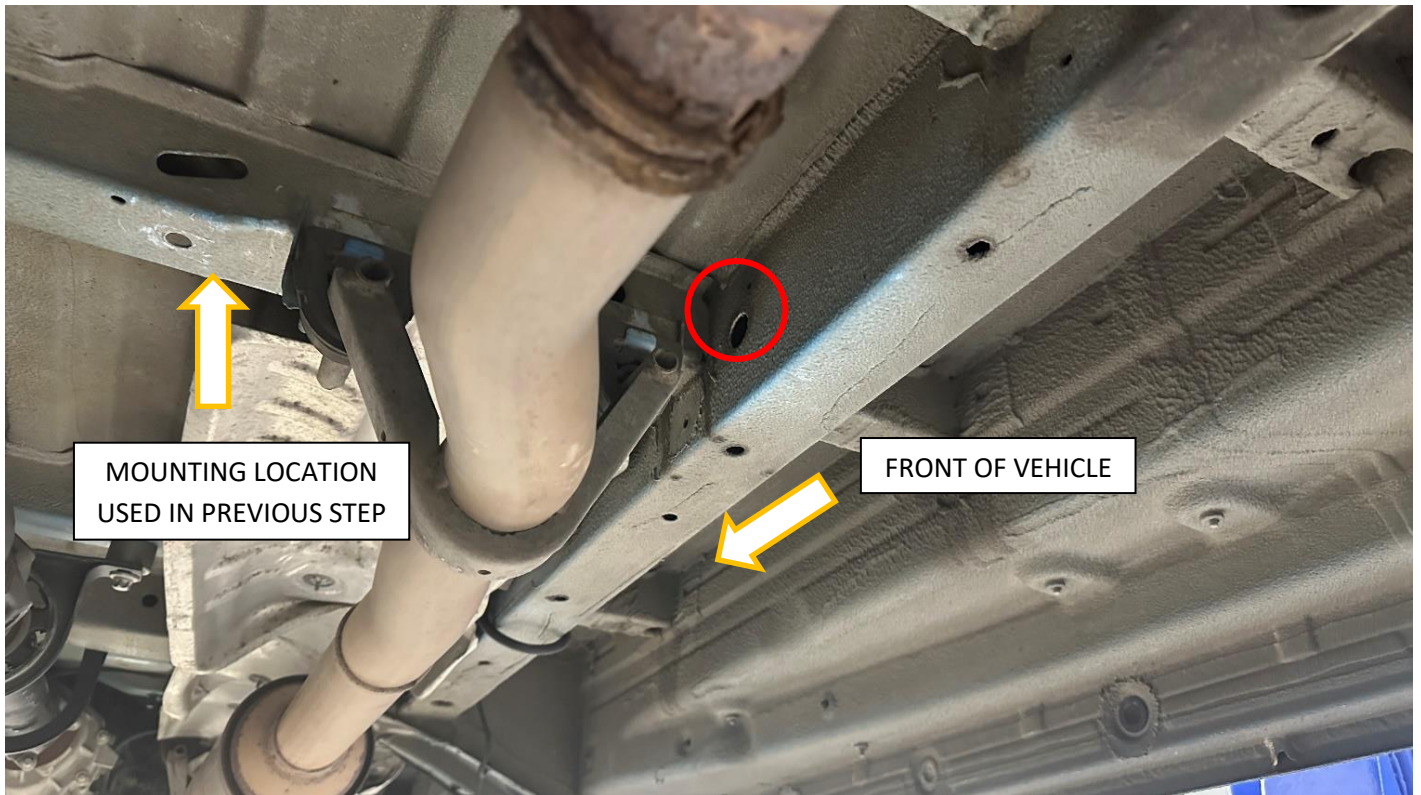


5) Insert the appropriate Rear Outboard Nut Tab:

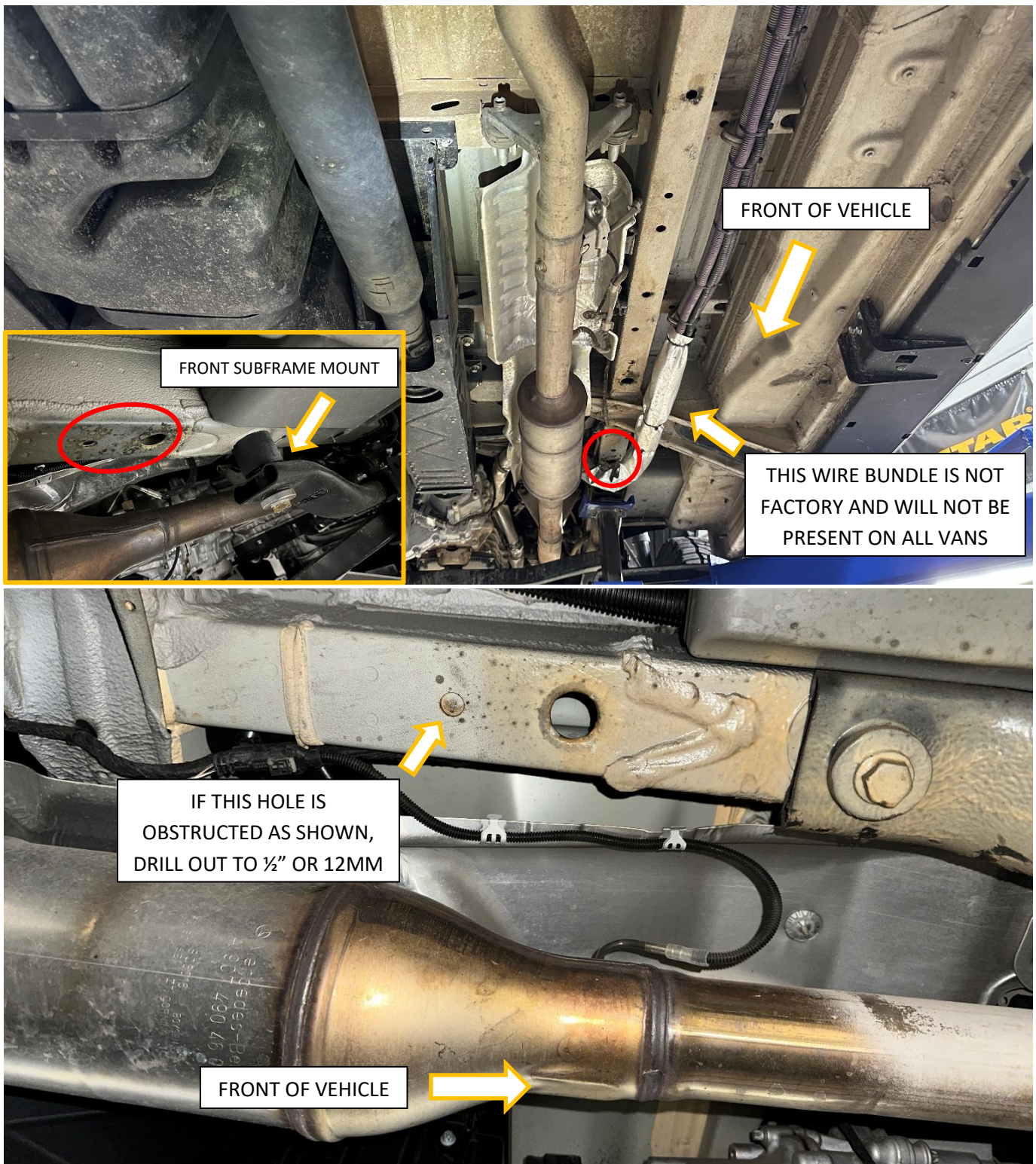
- a. **2019+ Model Year:** Locate the large hole circled in red below. Feed 412204-01 Rear Outboard Nut Tab 1 through this hole toward the front of the vehicle until the bent portion is centered in the hole, as shown.



- b. **2007-2018 Model Year:** Locate the large hole circled in red below. Feed 412207-01 Rear Outboard Nut Tab 2 through this hole until the bent portion is centered in the hole, as shown.



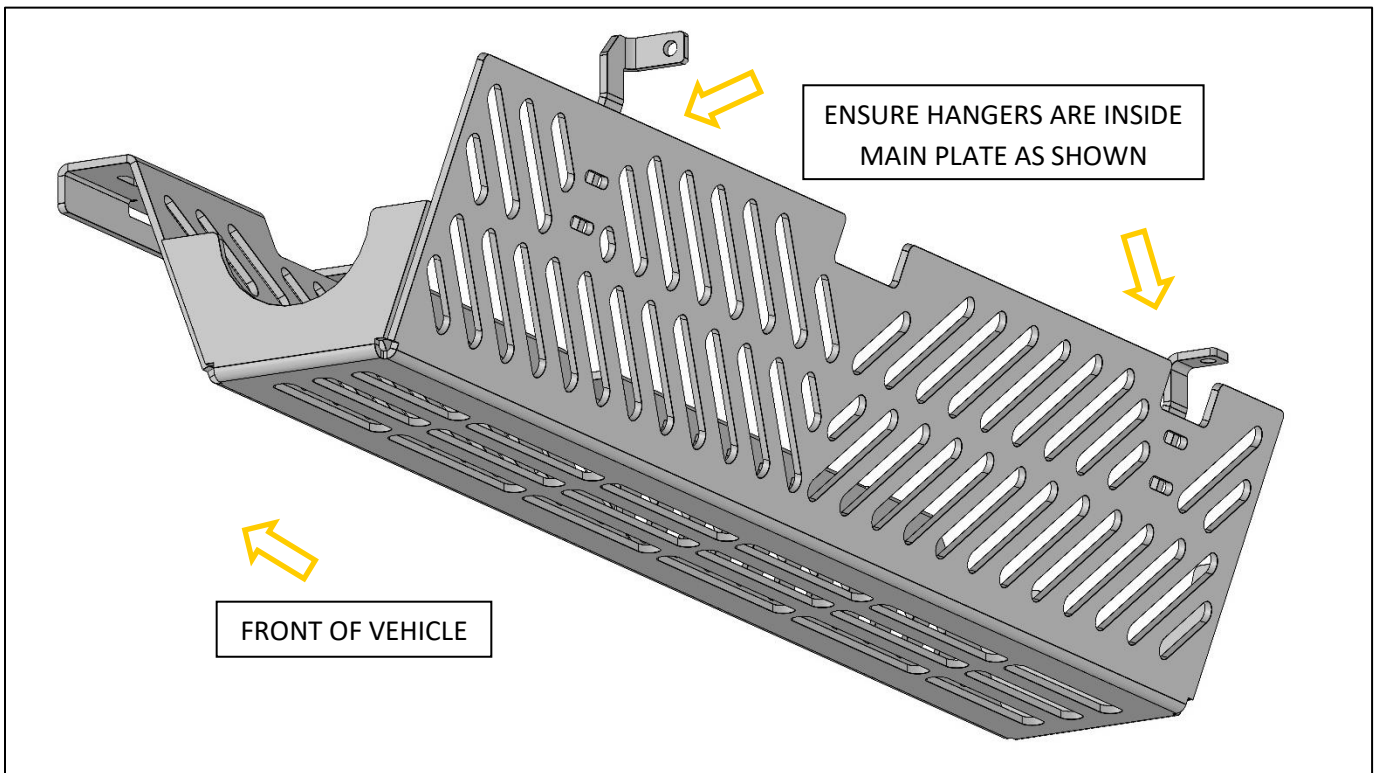
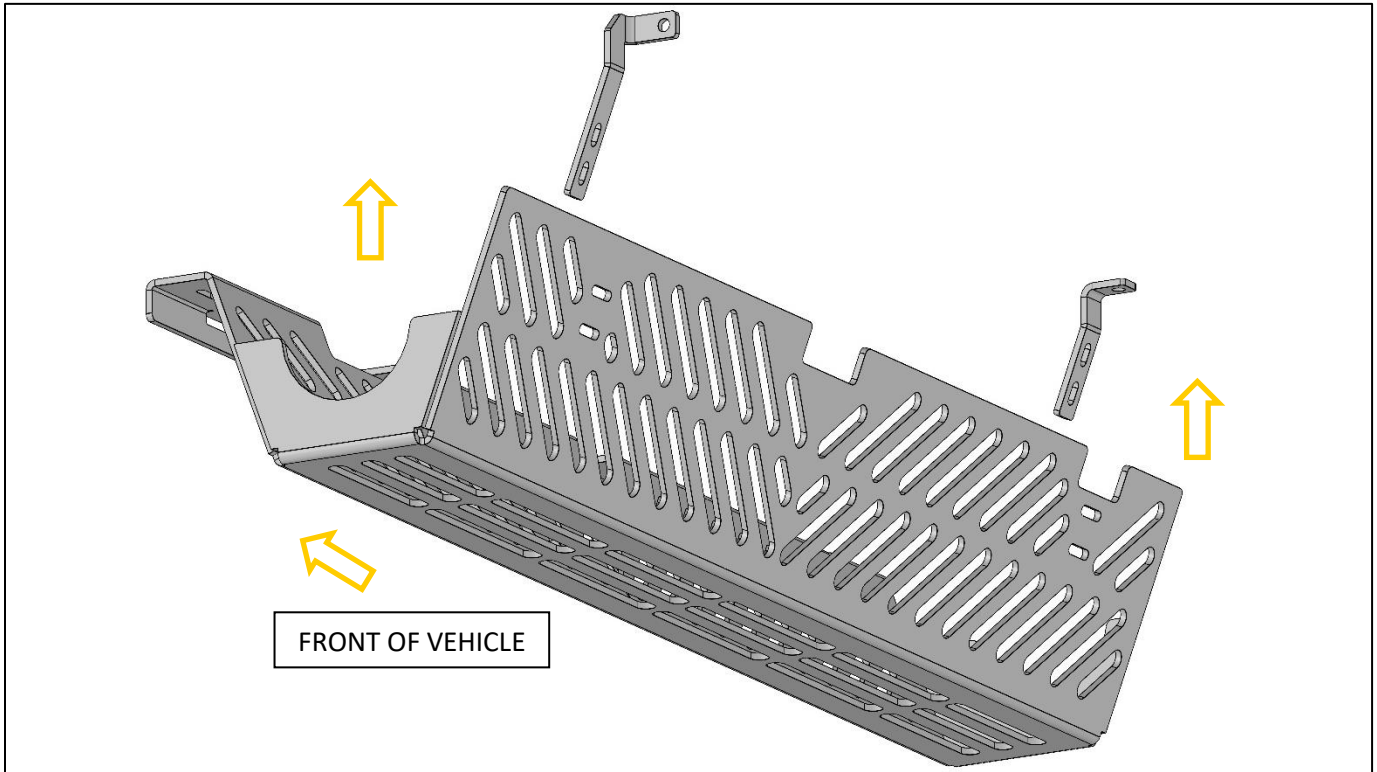
- 6) Locate the 2 holes circled in red below. On most vans, the smaller hole is already open and ready to be used. Some vans, usually cab & chassis models, will need this smaller hole drilled out to $\frac{1}{2}$ " or 12mm.



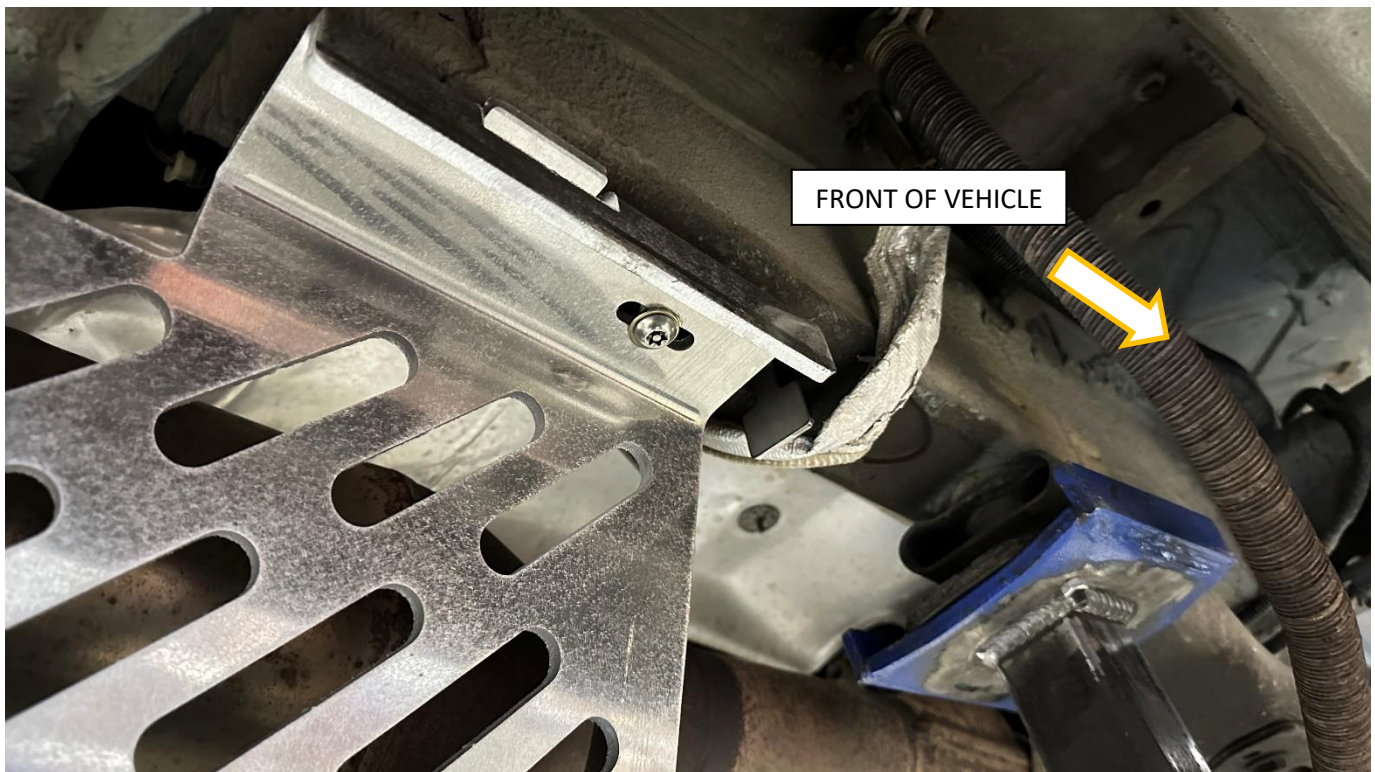
- 7) Feed 412205-01 Front Outboard Nut tab through the larger hole until the bent portion is centered in the hole, as shown.



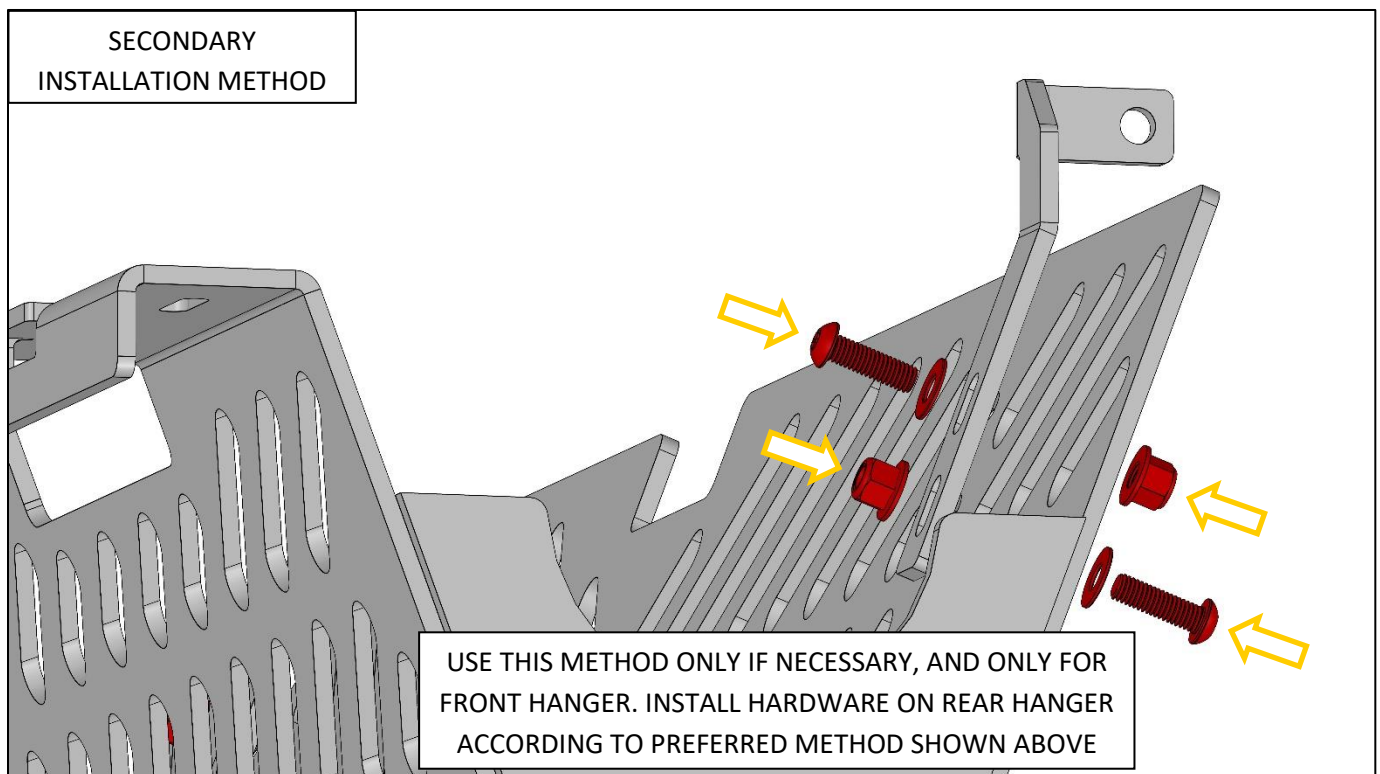
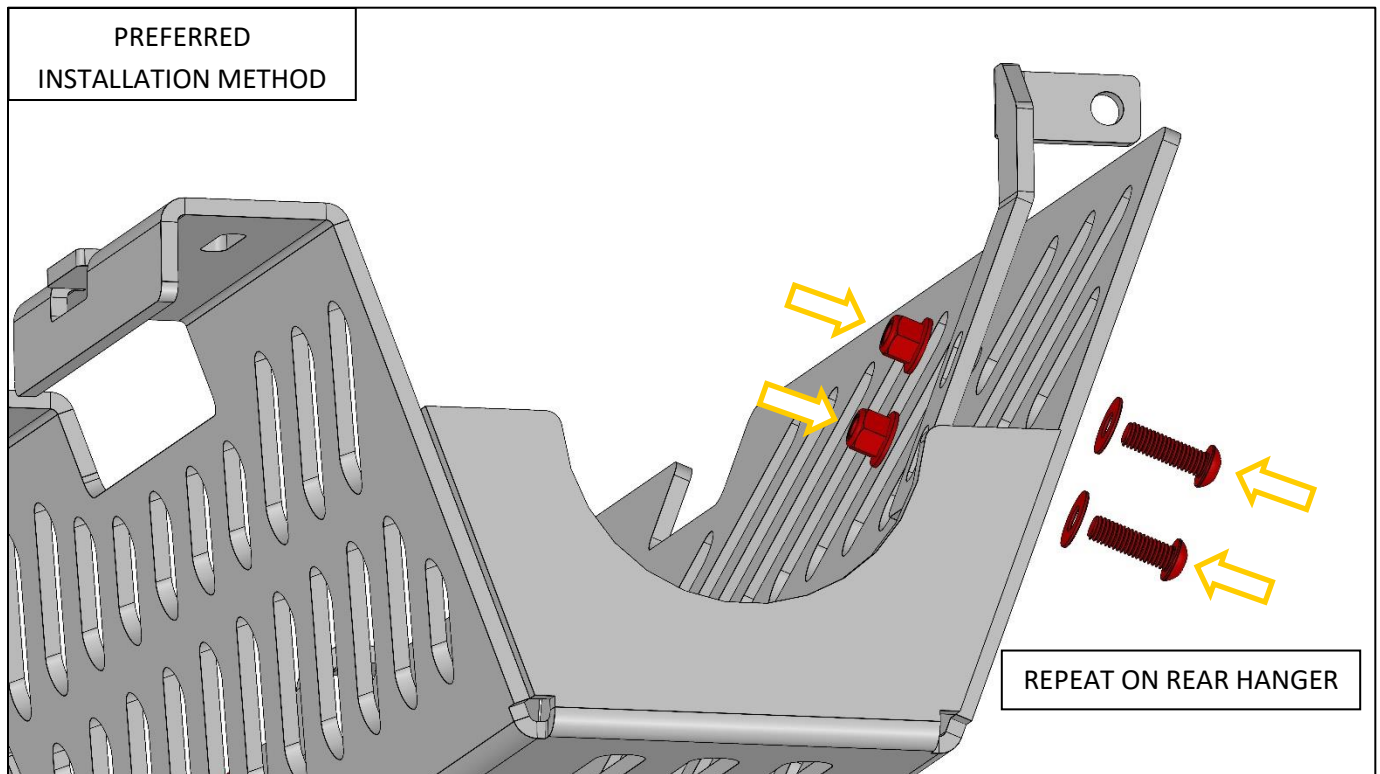
- 8) With all hangers and nut tabs in place, use a jack or an extra set of hands raise the main plate into place. The hangers go on the **INSIDE** of the main plate when installed, as shown.



- 9) Loosely install 2x of the supplied 3/8-16 X 1 1/4" Torx bolts and 3/8" washers into the nut tabs inserted in the frame earlier. Wait to fully torque.



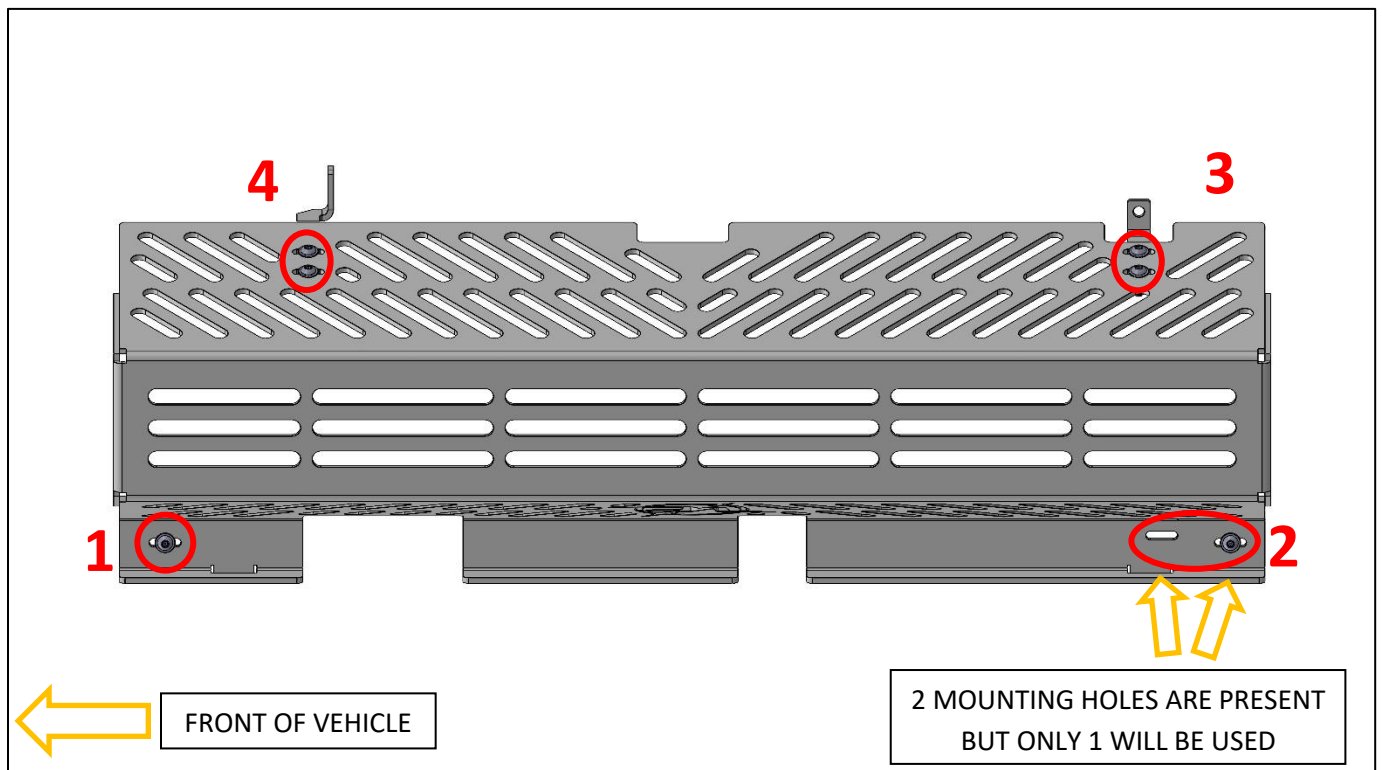
- 10) Loosely install 4x of the supplied 3/8-16 X 1 1/4" Torx bolts, 3/8" washers, and 3/8" nylock flange nuts as shown. On vans with the sheet metal driveshaft enclosure, the upper bolt on the Front Hanger may need to be installed the other way to allow room to tighten. Wait to fully torque.



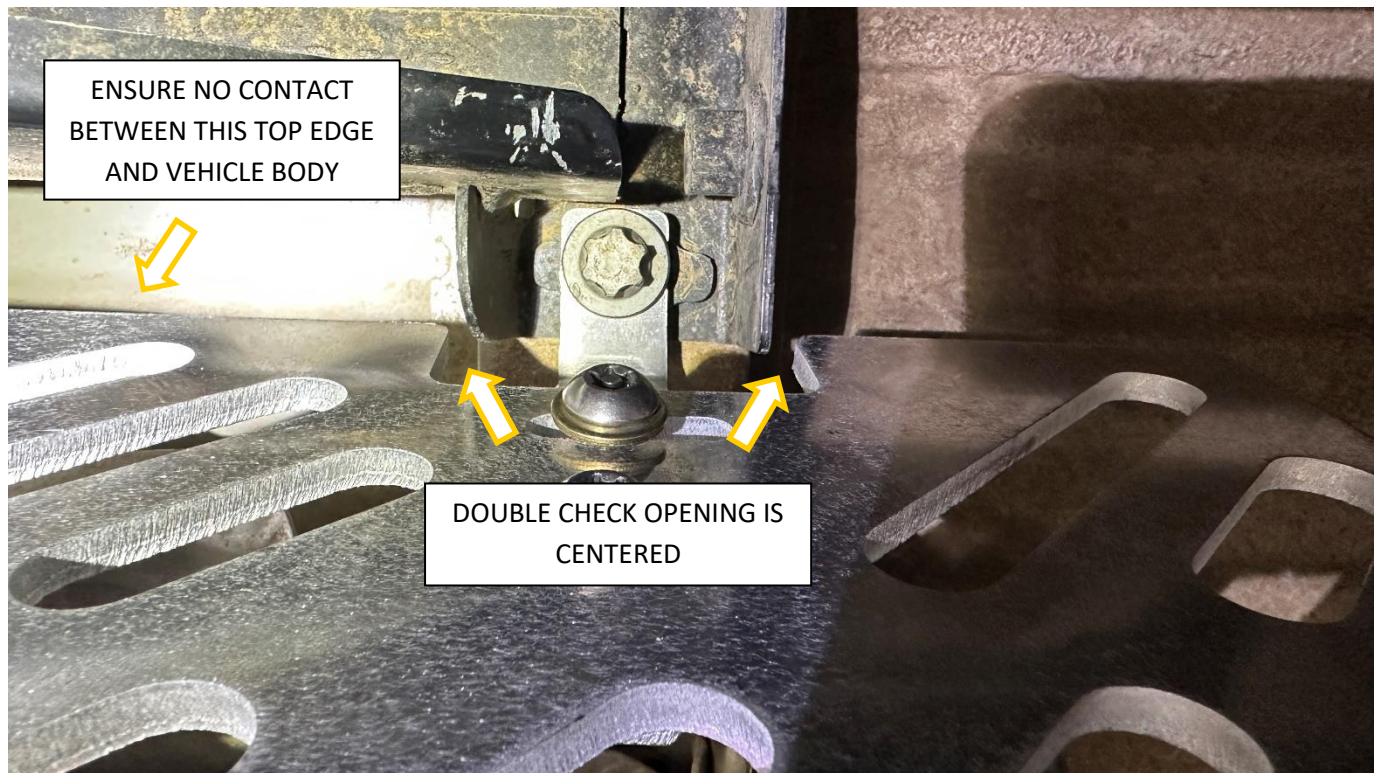
- 11) Once all hardware is loosely installed, check for clearance around the rear inboard mounting point. Center the opening in the Main Plate with the crossmember.



- 12) Snug all bolts shown below in the indicated order. Wait to fully torque.



- 13) Double check clearance around rear inboard mounting point, then check for any unnecessary contact between the main plate and the undercarriage of the vehicle or the exhaust. If there is contact between the Main Plate and the exhaust heat shield, and carefully bend the heat shield to allow clearance and avoid unwanted noise.



- 14) Torque all T45 security Torx bolts to 30 ft-lbs (40 N.m). Torque factory E18 bolts to 52 ft-lbs (70 N.m).
15) Double check all torque specs after 100 miles of driving.

Installation is Complete

RELEASE OF LIABILITY

I, the customer, do hereby release and forever discharge Van Compass LLC, their agents, employees, successors and assigns, and their respective heirs, personal representatives, affiliates, successors and assigns, and any and all persons, firms or corporations liable or who might be claimed to be liable, whether or not herein named, from any and all claims, demands, damages, actions, causes of action or suits of any kind or nature whatsoever, whether known or unknown, fixed or contingent, which I now have or may hereafter have or claim to have, as a result of or in any way relating to the following: Parts sold & installed by Van Compass LLC or parts sold & installed by end-user; any parts sold online, any parts sold online or installed by a re-seller, any parts installed by an installation shop.

It is understood and agreed that this payment is made and received in full and complete settlement and satisfaction of the aforesaid actions, causes of action, claims and demands; that this Release contains the entire agreement between the parties; and that the terms of this Agreement are contractual and not merely a recital. Furthermore, this Release shall be binding upon the undersigned, and his respective heirs, executors,

administrators, personal representatives, successors and assigns. This Release shall be subject to and governed by the laws of the State of Idaho.

PRODUCT SAFETY WARNING:

Van Compass LLC strongly recommends the installation of products be done by a certified mechanic. If this does not occur, be certain the person(s) installing the product read, understand and follow all instructions and warnings pertaining to the application before installation. Do not add, alter, or fabricate any factory or aftermarket parts to increase vehicle height over the intended height of the Van Compass LLC product purchased. Mixing component brands is not recommended.

Installation of suspension lift kits or any other lifting kits or devices will raise the center of gravity. For this reason, Van Compass LLC urges that extreme caution be used when encountering driving conditions which may cause vehicle imbalance. Furthermore, the driver's field of vision and judgment will not be as good due to the height of the vehicle. Due to the installation of larger tires, the speedometer will read slower than the actual speed being traveled and more distance will be required to stop the vehicle. It is the owner's responsibility to caution and warn any potential driver of the vehicle about these driving and handling conditions. Van Compass LLC will not be held liable or responsible for damages or personal injuries resulting from the use of lifting devices and or related products. The tires and rims should be changed to sufficiently increase the vehicle's total overall width and stability to help accommodate lifting devices.

Van Compass LLC aftermarket suspension products and accessories modify a vehicle for uses which exceed conditions anticipated by the vehicle manufacturer. The uses include the high performance demands required during off-road. These conditions vary in the degree of extremity and cannot be controlled by the vehicle or product manufacturer. If the components within the suspension system or accessories become worn due to frequent and/or extreme use, the safety and reliability of the vehicle is at risk. The maintenance of aftermarket equipment to ensure the vehicle occupants safety is entirely your responsibility. Do not purchase Van Compass LLC products unless you are willing to accept this responsibility. Do not install any Van Compass LLC suspension products or accessories unless you feel competent at installing the product without causing present or future injury to yourself or other vehicle occupants; seek an authorized installation center.

Most states have some type of law limiting vehicle height. The amount of lift allowed, and how the lift can be achieved, varies greatly. Several states offer exemptions for farm and commercial registered vehicles. It is the vehicle owner's responsibility to check state and local laws to ensure that their vehicle will be in compliance. Van Compass LLC reserves the right to make changes in design, materials and specifications as deemed necessary without prior notice and without assuming obligation to modify any product previously manufactured. Obligation or liabilities will not be assumed with respect to similar products previously advertised.

This Release of Liability and Product Safety Warning has been read and fully understood by the undersigned and has been explained to me.