



7226 - 2007-PRESENT, MERCEDES SPRINTER 2500, BAJA SUR HEAVY DUTY AXLE BRACKET KIT

Version 1.0

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 is a bolt on kit that can be installed with simple hand tools.
- No modification of OEM suspension bracketry is required. This bracket kit can be removed and the vehicle can be returned to stock configuration with no signs of modification being performed.

Parts List

3075 – 2007-PRESENT, MERCEDES SPRINTER 2500, HEAVY DUTY LOWER SHOCK MOUNT

- (2) 307501 MERCEDES SPRINTER 2500, HEAVY DUTY LOWER SHOCK MOUNT
- (2) 307403 MERCEDES SPRINTER 2500, SHOCK MOUNT SPACER BUNG
- (2) HM12-1.75-85-10.9 M12-1.75 X 85MM LONG, HEX HEAD BOLT, GR 10.9
- (2) NSM12-1.75 M12-1.75 STOVER NUT, CLEAR ZINC
- (4) WFM-12 M12 FLAT WASHER, YELLOW ZINC
- (2) HM08-1.25-80-10.9 M8-1.25 X 80MM LONG, HEX HEAD BOLT, GR 10.9
- (2) NSM08-1.25 M8-1.25 STOVER NUT, CLEAR ZINC
- (4) WFM-8 M8 FLAT WASHER, YELLOW ZINC

3072 – 2007-PRESENT, MERCEDES SPRINTER, HD REAR BUMP STOP BRACKET

- (1) 307201-LH MERCEDES SPRINTER BAJA BRACKET, LEFT HAND SIDE
- (1) 307201-RH MERCEDES SPRINTER BAJA BRACKET, RIGHT HAND SIDE

Tools Needed

- Quality Jack & Jack Stands
- Simple hand tools:
 - Basic wrench and socket set:
 - Metric: 13mm, 18mm, 19mm
 - T-55 Torx
- Torque wrench

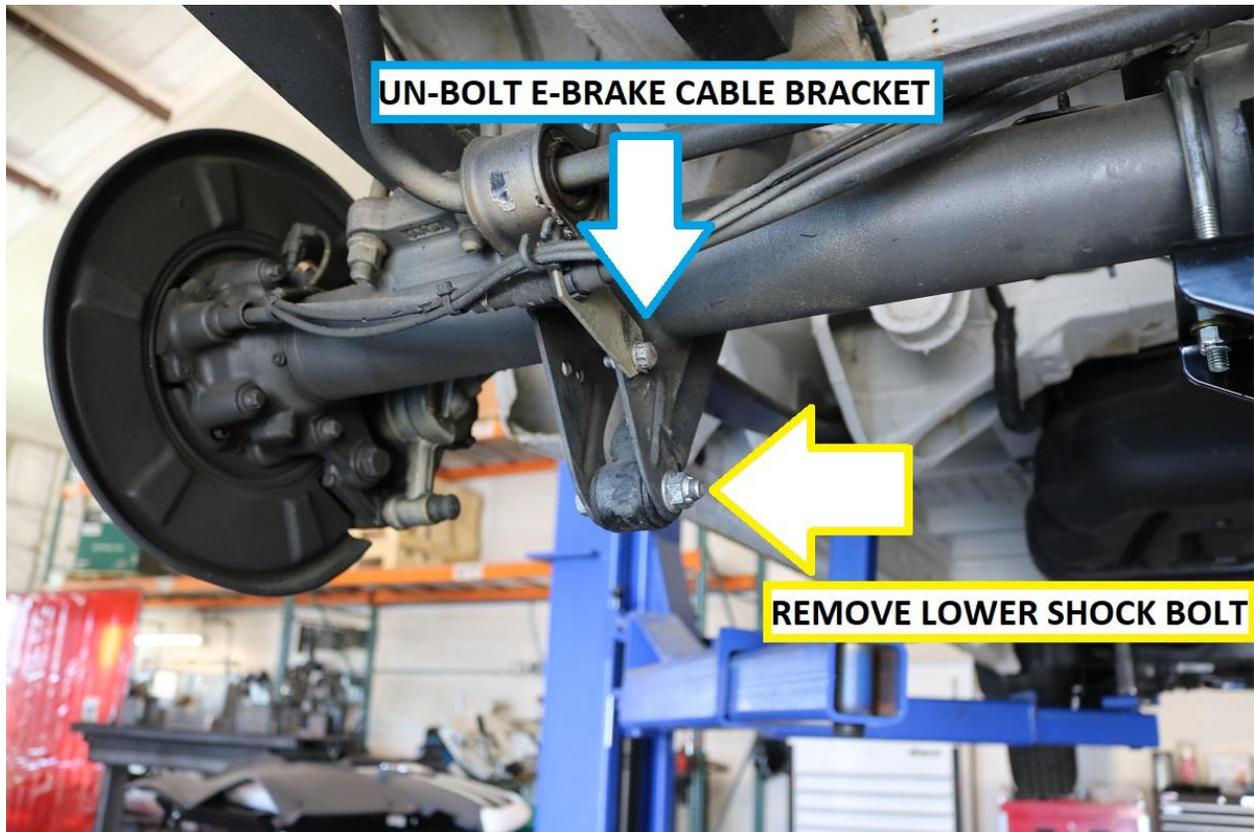
Approximate Installation Time

- Professional shop: 1-2 hours

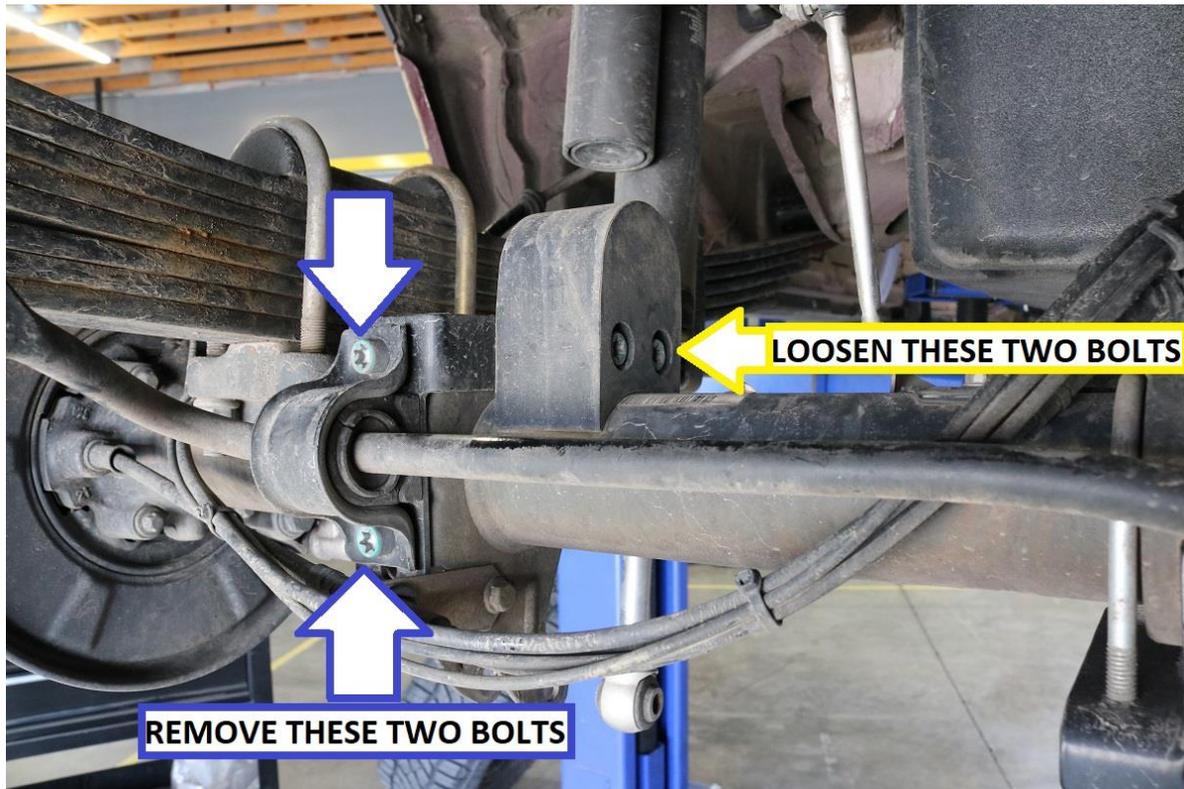
- Driveway install: 1-2 hours

Installation

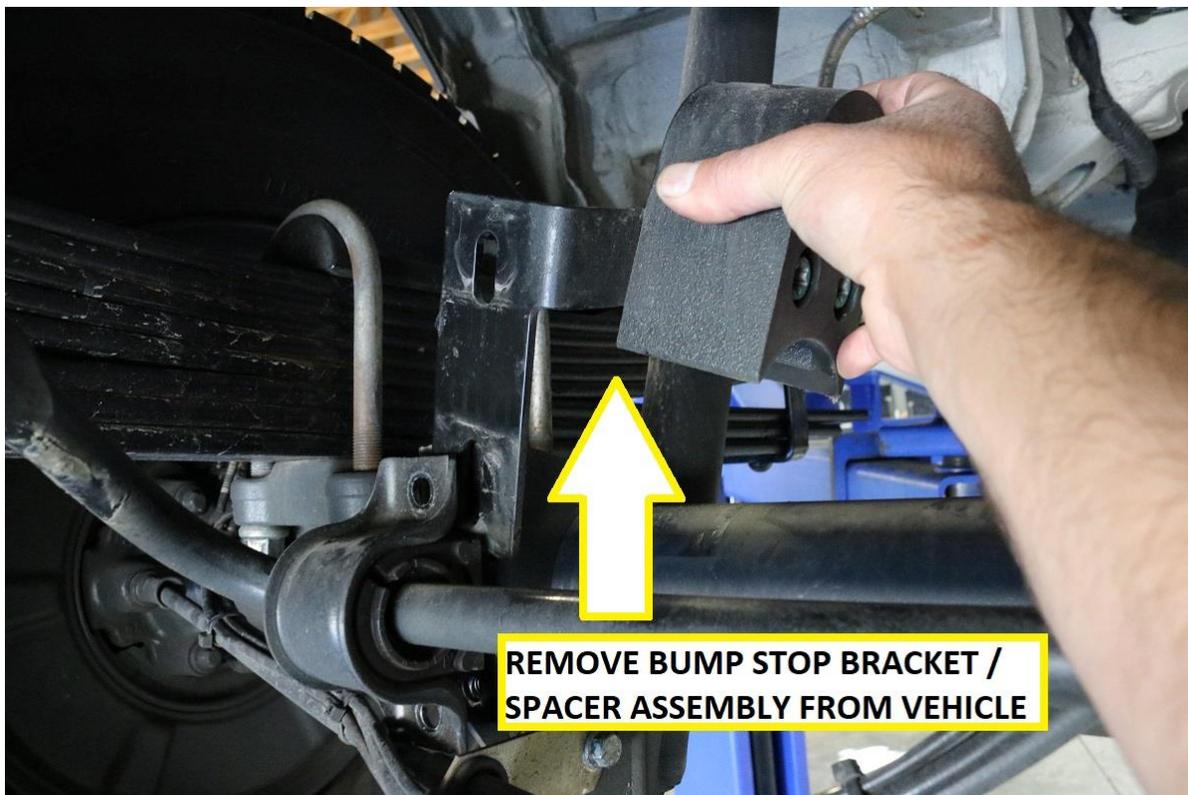
- 1) Begin by safely supporting the vehicle so that the rear suspension can hang free.
- 2) These instructions will document installation on the driver (left hand) side of the vehicle. Installation on the passenger side is identical. Both shock brackets can be installed simultaneously on each side of the vehicle.
- 3) Remove the lower shock bolt.
 - a. Use an 18 mm socket / wrench for shock bolt removal.
 - b. Remove the small bolt securing the E-brake cable bracket to the shock mount. Use a 13mm socket / wrench for removal. See image below for reference.



- 4) With the lower shock bolt removed, pull the shock out from the lower mount on the axle and position the shock forward so it is out of the way.
- 5) Use a T-55 Torx to loosen the OEM bump stop spacer from the bracket securing it to the axle.
- 6) With the OEM bump stop spacer bolts loosened, use a T-55 Torx bit to remove the two bolts securing the sway bar clamp to the axle.

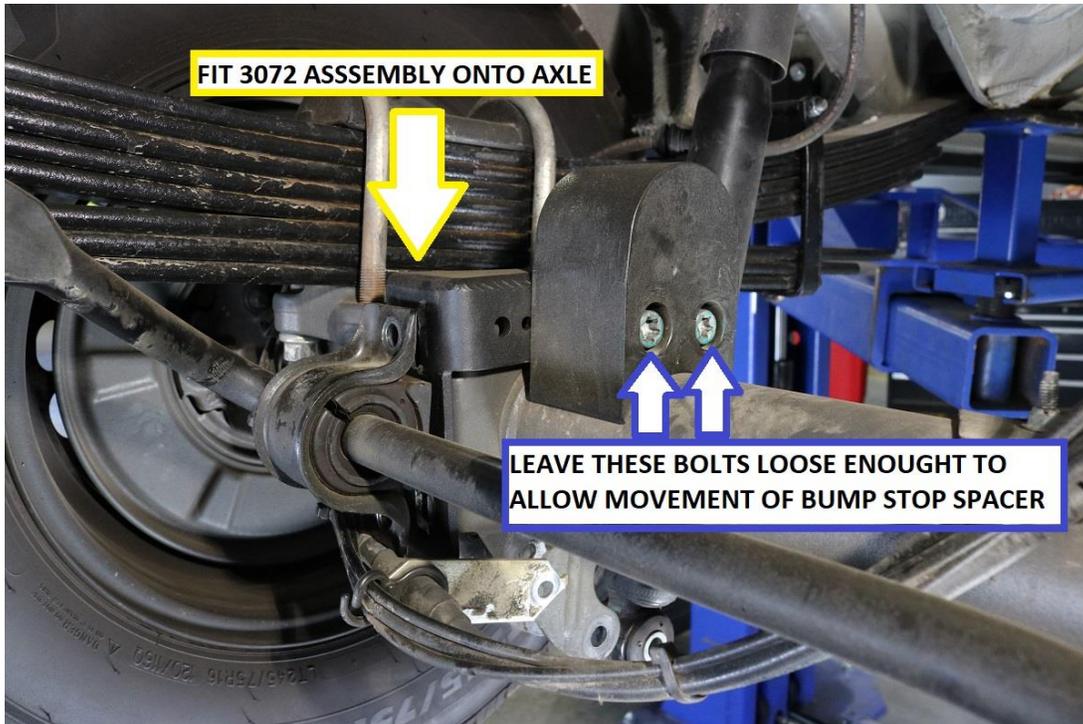


- 7) Remove the OEM rear bump stop mounting bracket from under the rear sway bar mounting clamp.
 - a. Remove the OEM bump stop spacer from the OEM mounting bracket. Retain the hardware as it will be reused.



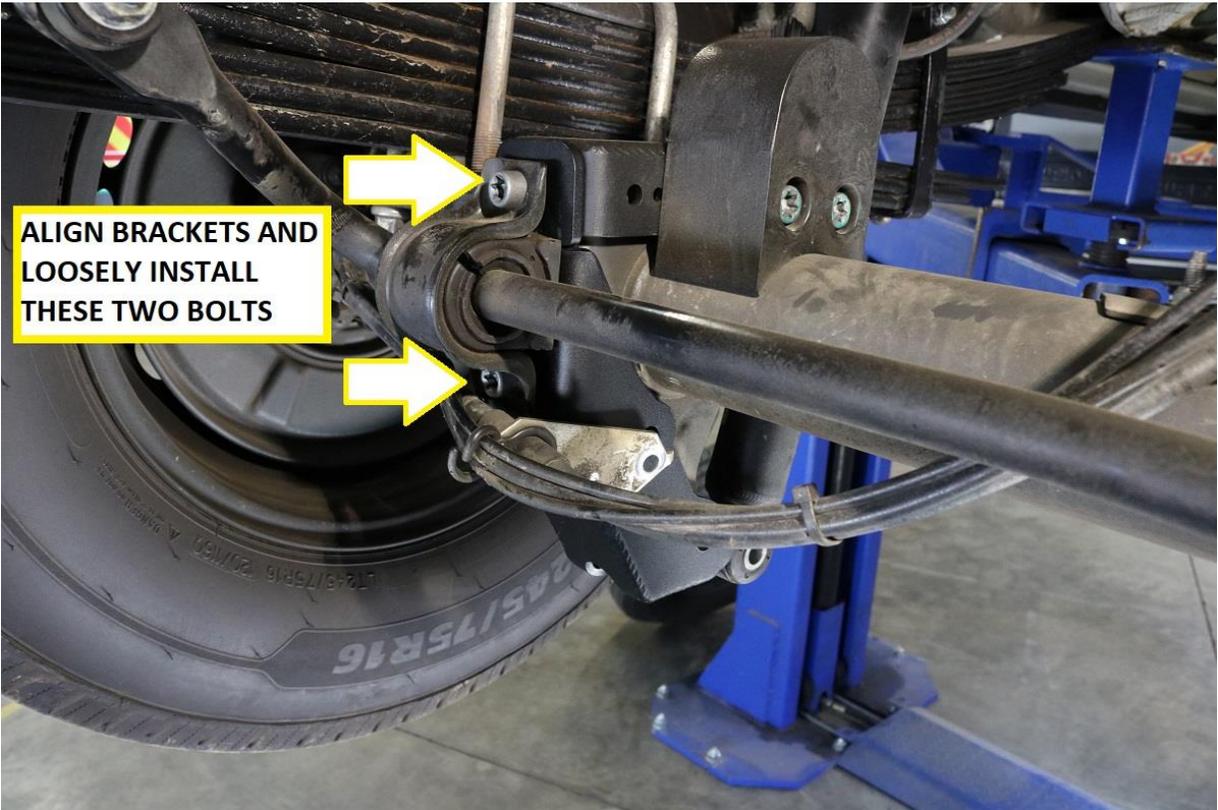
- 8) Install the OEM bump stop spacer onto the new 3072 HD bump stop mounting bracket. Utilize the original OEM Torx bolts and tighten to the point where the spacer can still move vertically on the 3072 bracket.

- 9) Fit the 3072 assembled bracket back to the vehicle. Again make sure the OEM bump stop spacer can still move in relation to the 3072 bracket.

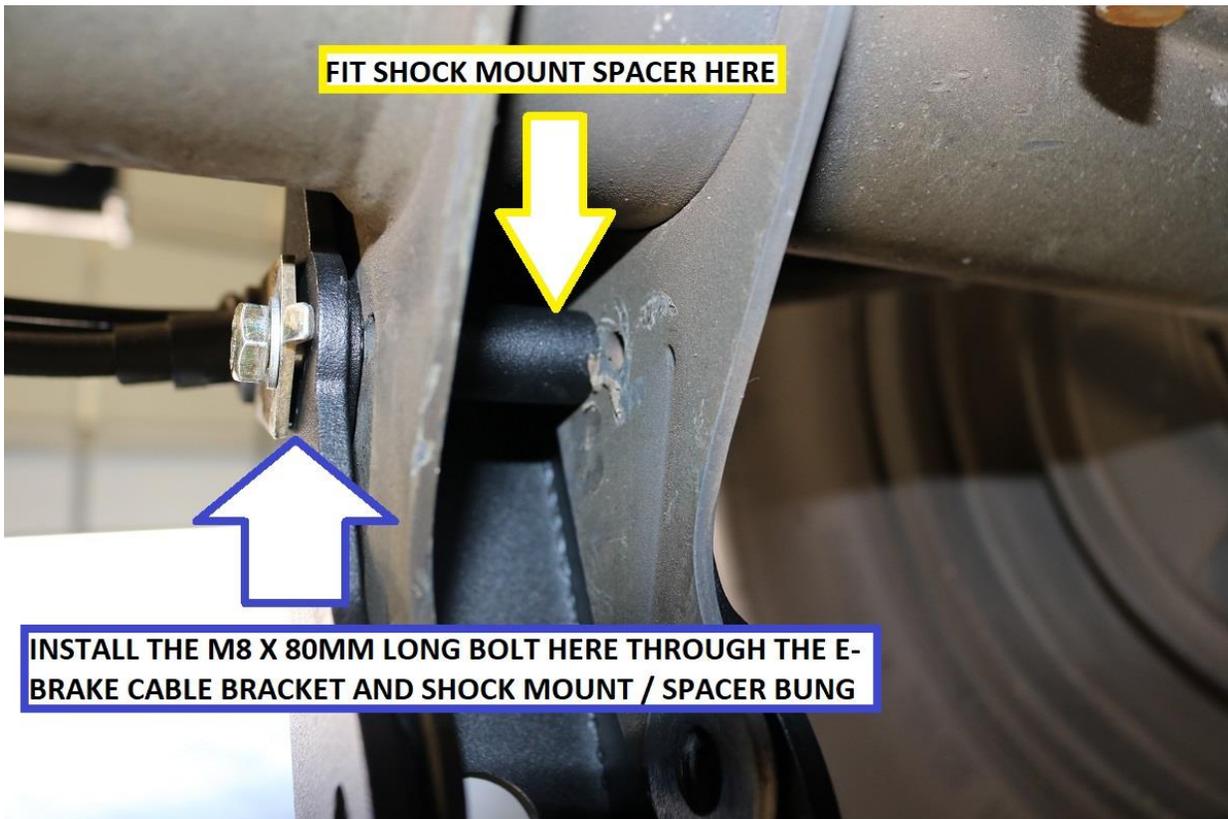


- 10) With the 3072 in place and the OEM bump stop spacer resting on the axle tube, slide the 3074 HD rear lower shock mount onto the OEM lower shock mount.
- Note the mount must be slid straight up from below to fit into place.
 - Once slid into place, loosely start the OEM Torx bolts previously removed which secured the sway bar clamp to the axle. See images below for reference.

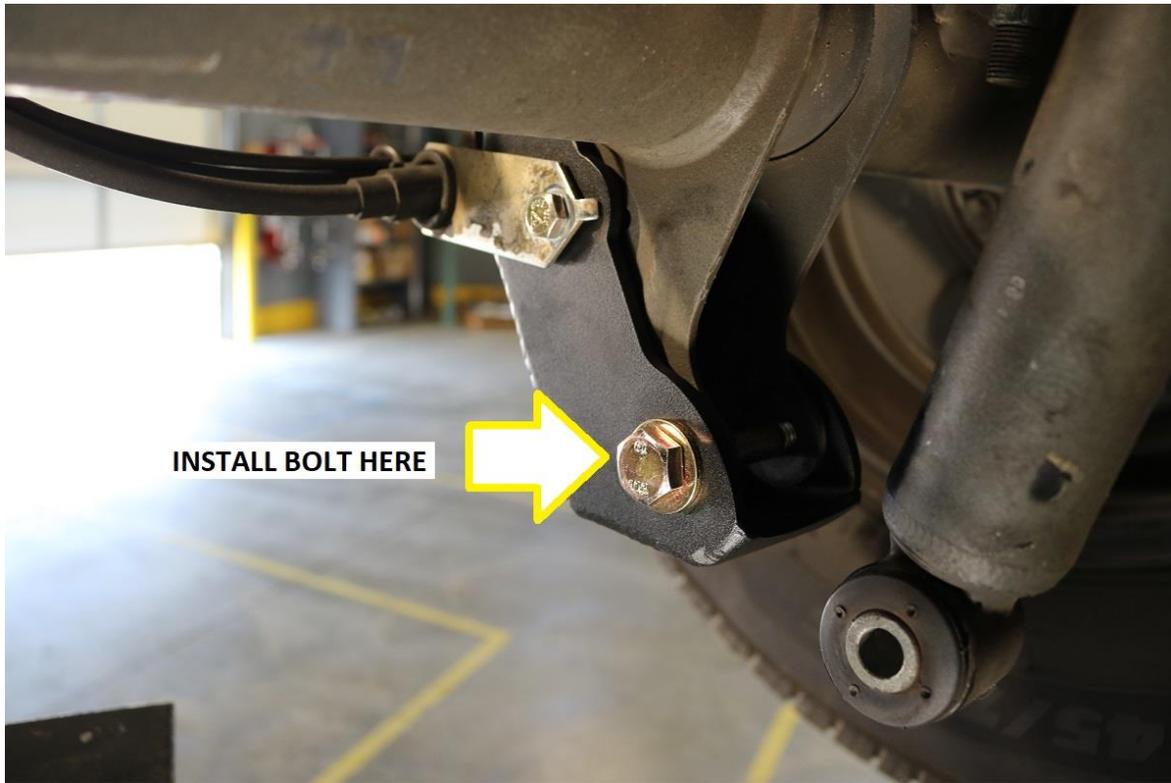




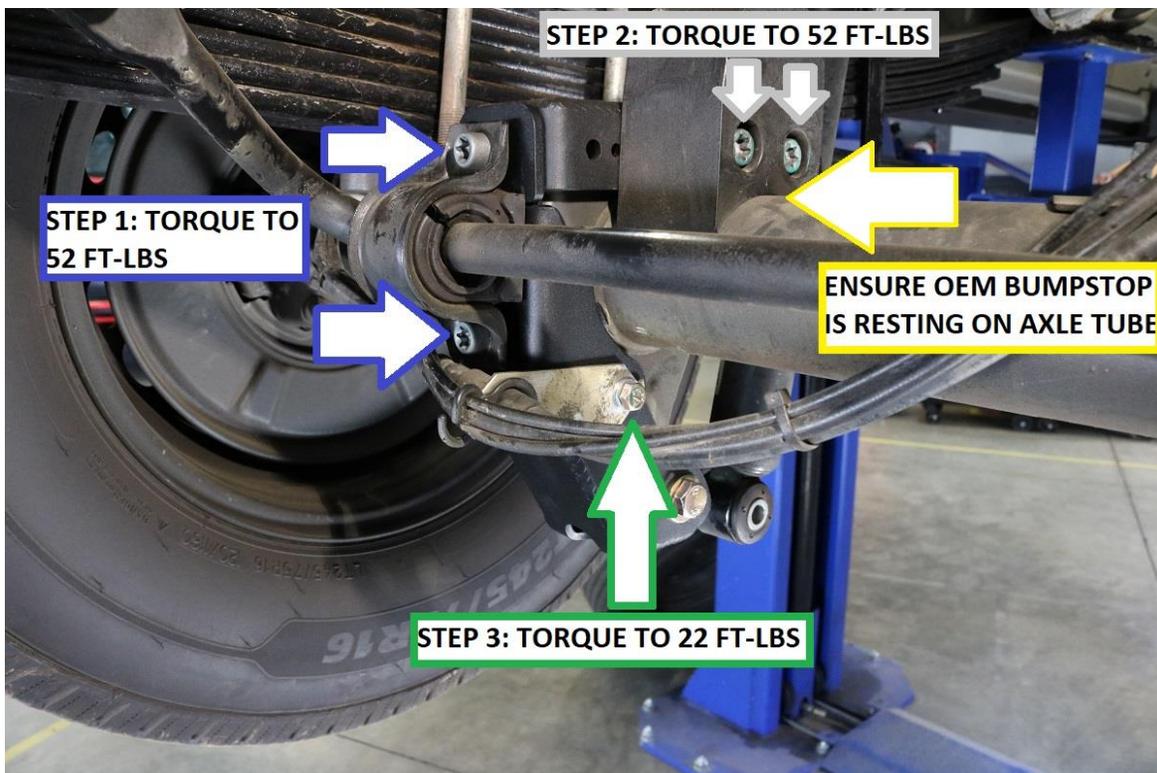
- 11) At this point, fit the 307403 shock mount spacer bung to align in the rear hole location where the E-brake cable originally attached to the OEM shock mount.
- Once aligned, install the included M8-1.25 x 80 mm long hex head bolt included with the kit. Fit a washer under the bolt head and feed the bolt through the E-brake cable bracket to re-attach it in the same manner as stock. Install the M8 flat washer and stover nut on the opposite side. Do not tighten.



12) Next, install the new lower shock bolt included with the kit. This is simply used to hole alignment of the bracket while we snug the other mounting bolts.



- 13) At this point, double check that the OEM bump stop spacer is resting firmly on the axle.
- Torque the torx bolts securing the sway bar clamp to the axle first. Torque to 52 ft-lbs (70 N.m)
 - Torque the bump stop spacer bolts to 52 ft-lbs (70 N.m)
 - Torque the M8 bolt for the E-brake cable bracket to 22 ft-lbs (30 N.m) with a 13mm socket / wrench.



- 14) Lastly, remove the lower shock bolt used for alignment and fit the lower end of the shock into the mount. Re-install the M12-1.75 x 85mm long bolt. Be sure to use a washer under the bolt head and stover nut.
- 15) Torque the lower shock bolt with a 19mm socket / wrench to 80 ft-lbs (108 N.m)
- 16) Repeat installation on the passenger side of the vehicle if not completed already.
- 17) Re-check 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.