



## **4012 – 2007-PRESENT, MERCEDES SPRINTER NCV3 4X4, GAS TANK SKID PLATE**

Version 1.0

### General Notes

- For the most up to date and current instructions, please visit our website at [www.vancompass.com](http://www.vancompass.com)
- Please read all instructions thoroughly before starting installing Van Compass products.
- This skid plate can be installed with the vehicle on the ground, sitting under its own weight.
- This is a bolt on skid plate that can be installed with simple hand tools. No drilling is required.
- This skid plate can be completely removed, allowing the vehicle to be returned back to stock configuration if desired.

### Parts List

#### **4012 – 2007-PRESENT, MERCEDES SPRINTER NCV3 4X4, GAS TANK SKID PLATE**

- (1) 401201-01 4X4 GAS TANK SKID PLATE, MAIN PLATE, ¼" 6061 AL
- (2) 401202 4X4 GAS TANK SKID PLATE, DRIVER SIDE, MIDDLE AND REAR MOUNTING BRACKET
- (2) 401203 4X4 GAS TANK SKID PLATE, PASSENGER SIDE, MIDDLE AND REAR MOUNTING BRACKET
- (1) 401204 4X4 GAS TANK SKID PLATE, DRIVER SIDE, FRONT MOUNTING BRACKET
- (1) 401205 4X4 GAS TANK SKID PLATE, PASSENGER SIDE, FRONT MOUNTING BRACKET
- (6) HC8-7-10 7/16-14 UNC, GR8 HEX HEAD BOLT, 1.0" LONG
- (6) NFC-7 7/16-14 UNC FLANGE NUT
- (6) WF8-7 7/16" GR8 FLAT WASHER

### Tools Needed

- Quality Jack
  - Optional – Automobile lift and screw jack
- Simple hand tools:
  - Torque Wrench
  - Basic wrench and socket set:
    - Metric sizes: 11mm 12pt socket
    - SAE sizes: 5/8"

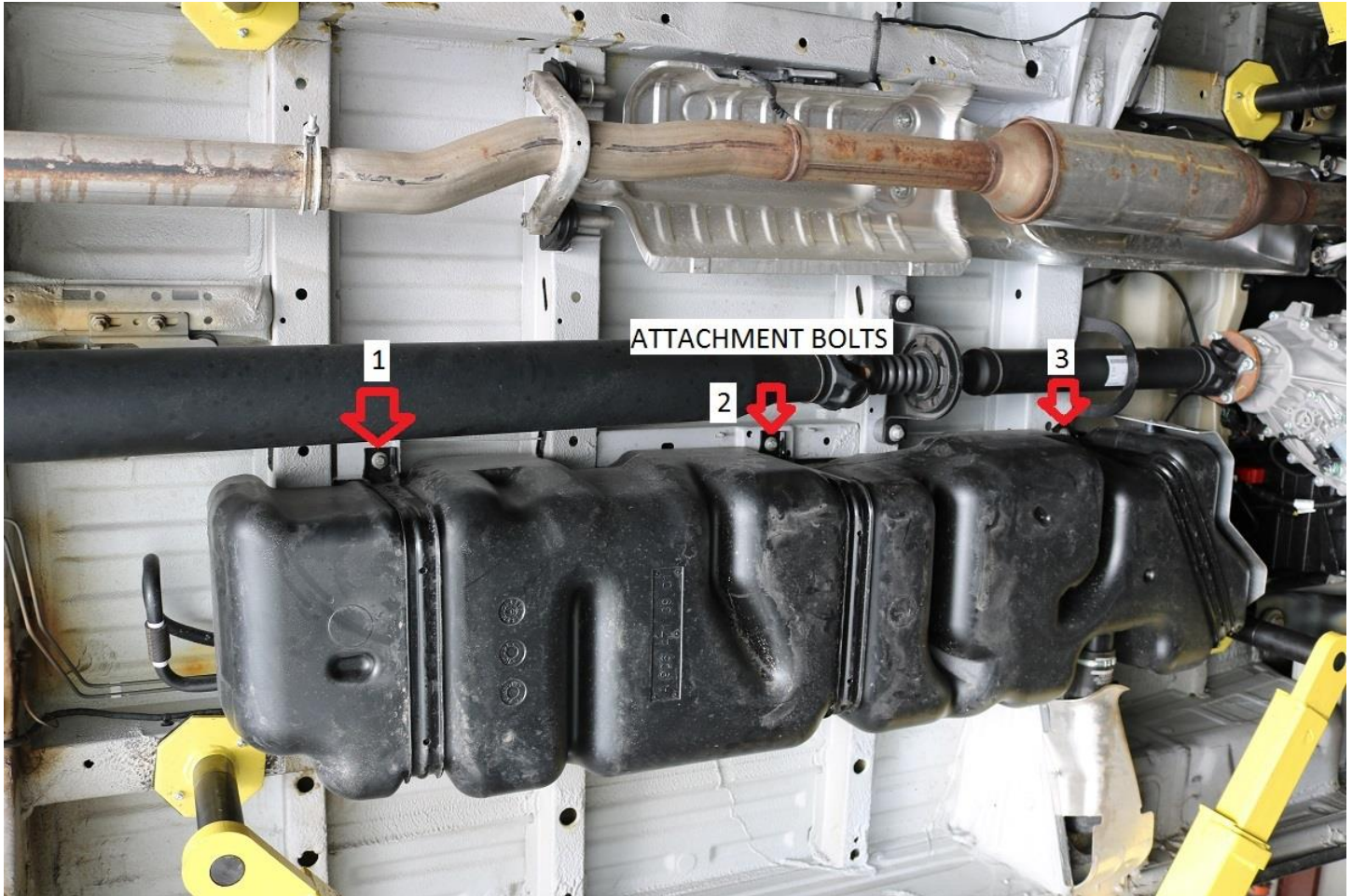
### Approximate Installation Time

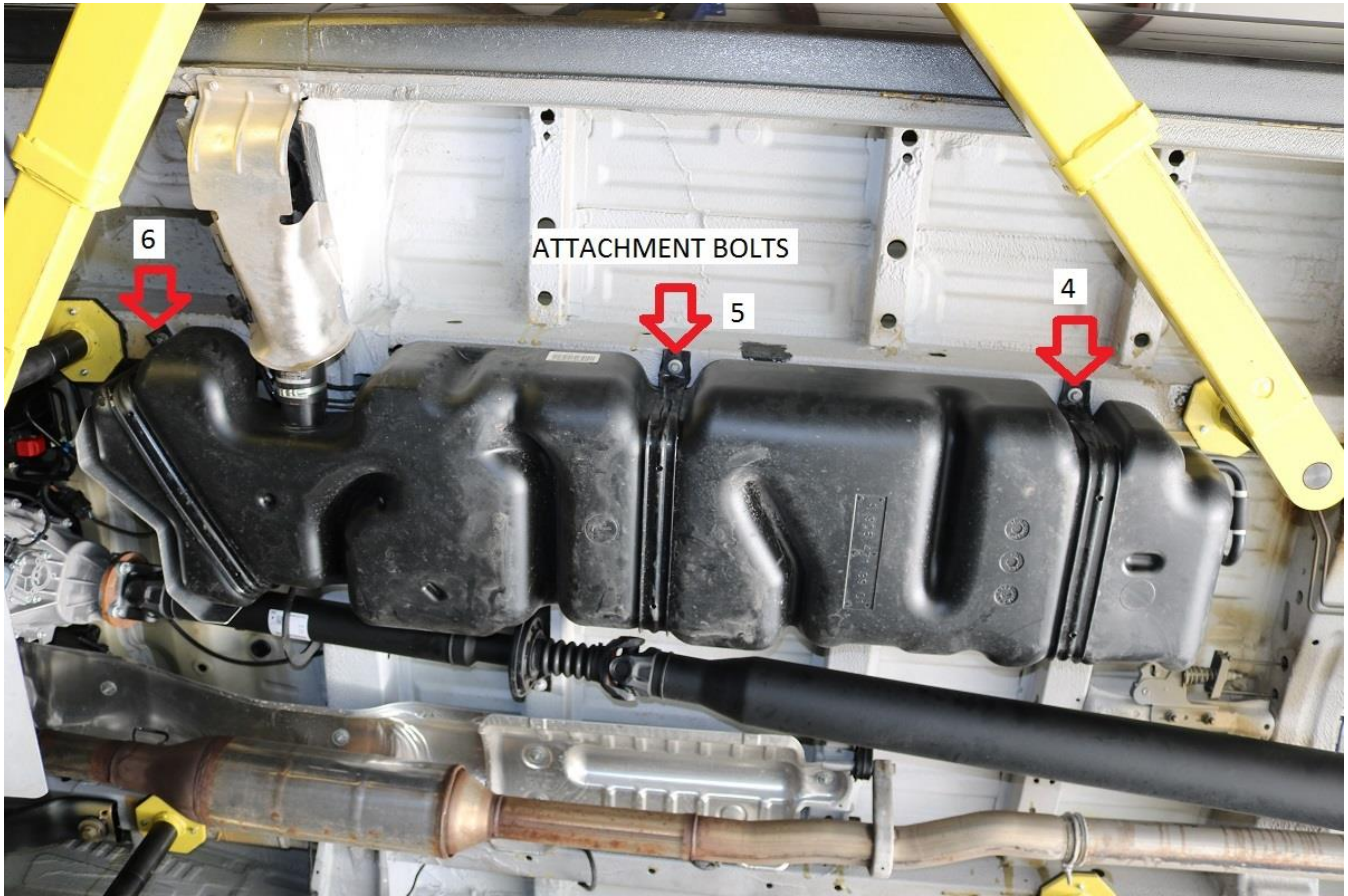
- Professional shop with automotive lift: 30 min – 1 hour

- Driveway install with floor jack: 1-2 hours

## Installation

- 1) Note; this skid plate system can be installed with the vehicle on the ground. It does not need to be raised up for installation.
- 2) The gas tank skid plate mounts using the 6 factory bolts which secure the gas tank straps to the chassis.





3) Begin installation by installing the gas tank skid mounting brackets. Match the number of the brackets to the location numbers in the images above. For reference:

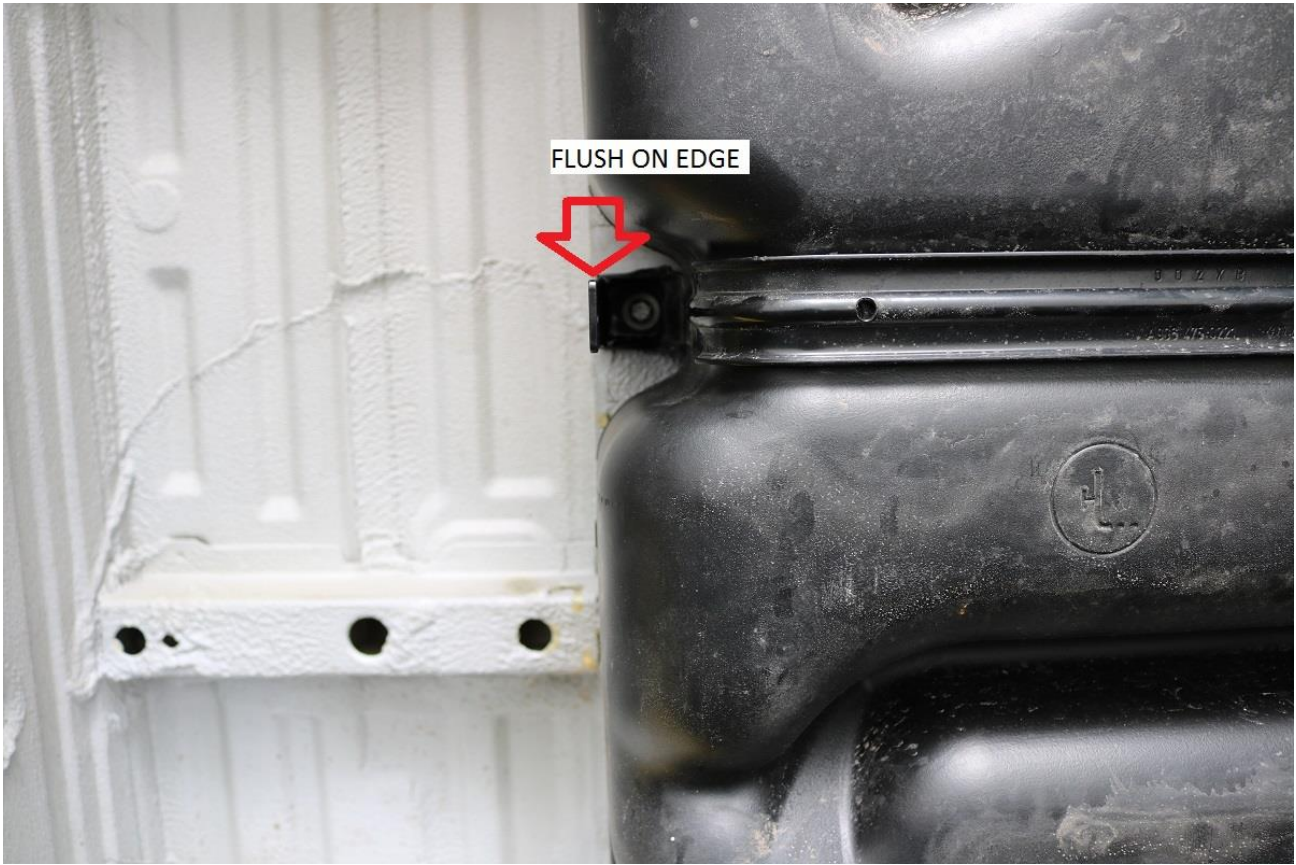
- a. The short straight brackets go in locations 4 & 5 (Middle and rear, outside edge of gas tank)
- b. The long straight brackets go in locations 1 & 2 (Middle and rear, inside edge of gas tank)
- c. The short angled bracket goes in location 6 (Front, outside edge of gas tank)
- d. The long angled bracket goes in location 3 (Front, inside edge of gas tank)



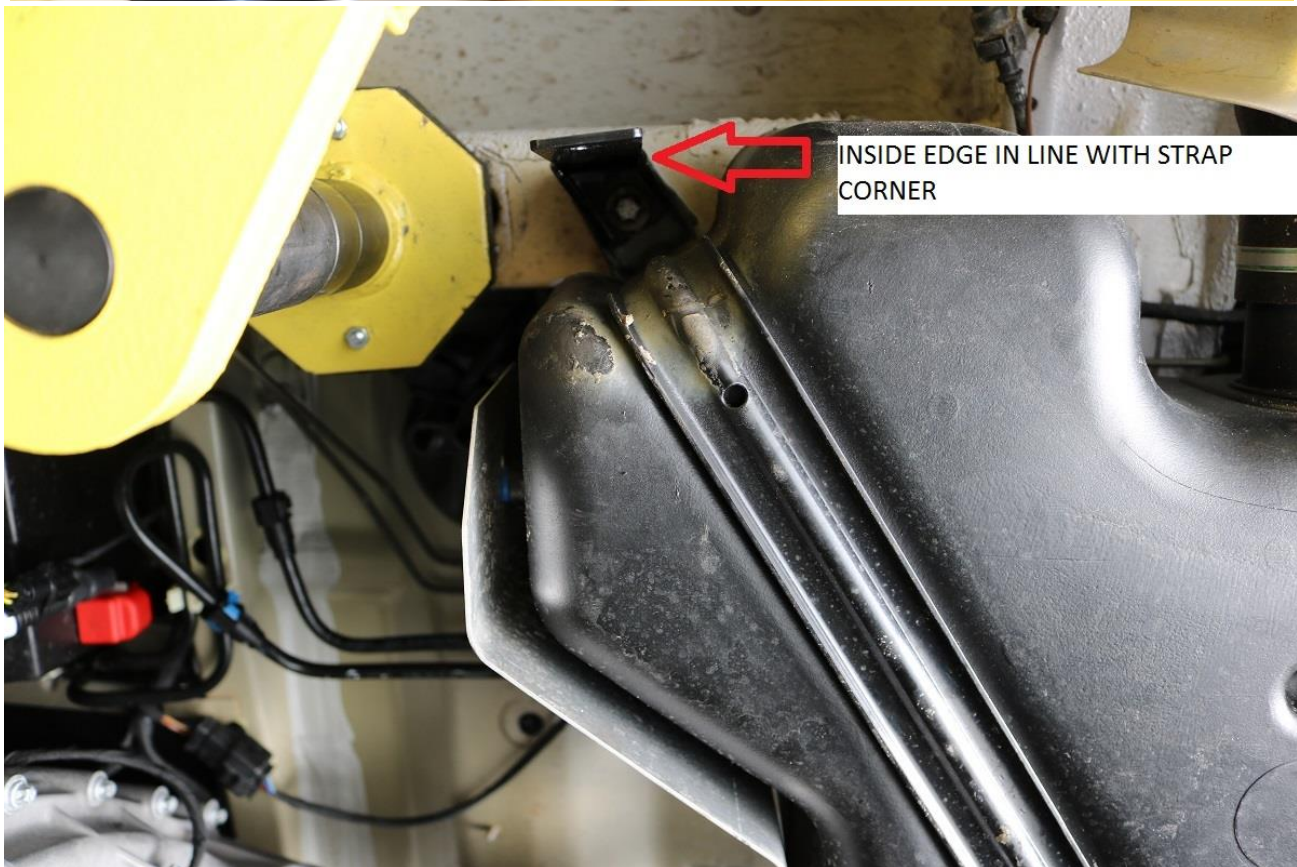
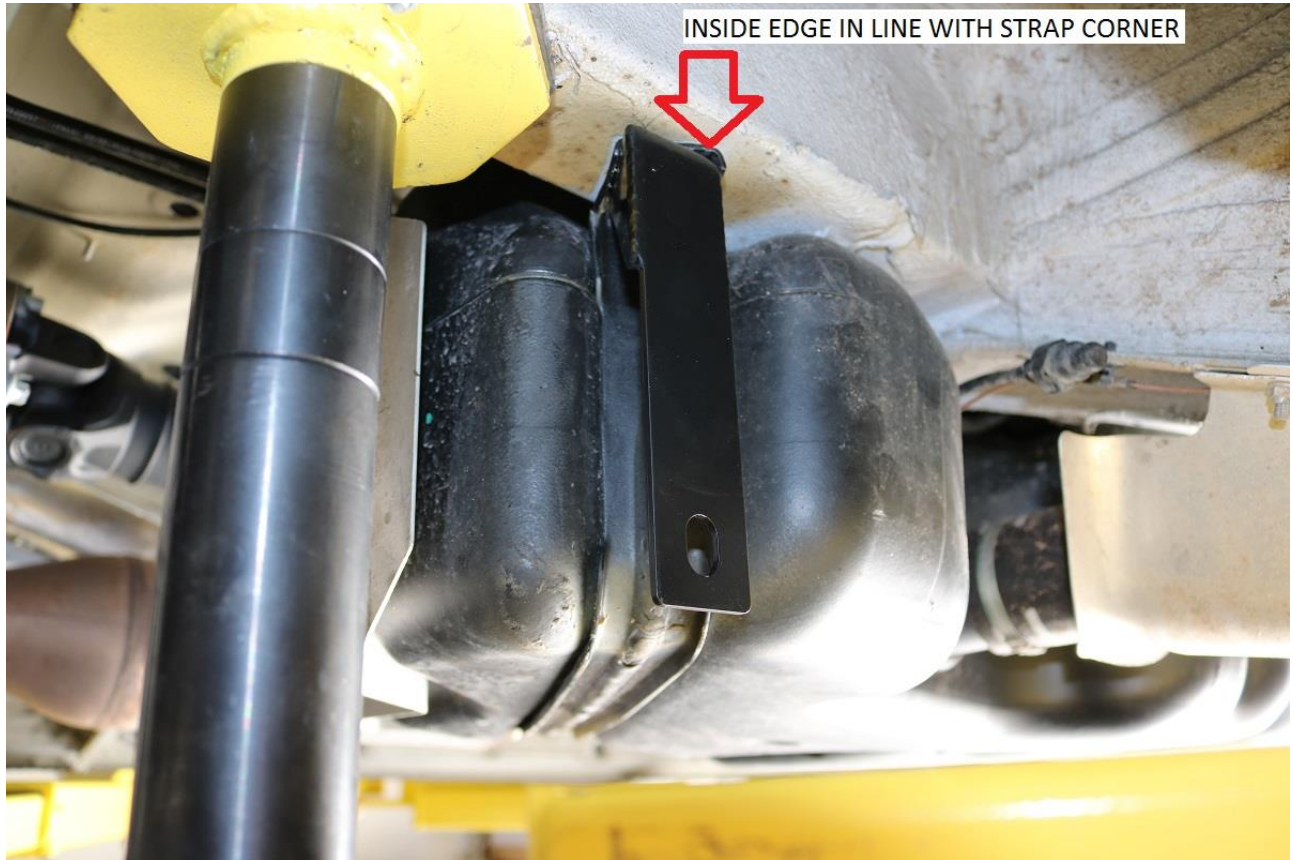
- 4) Install the brackets by loosening the mounting bolts in their corresponding locations. Loosen the bolts with an 11mm 12 point socket. Loosen the bolt enough to slide the brackets under the bolt head. Push up on the factory gas tank straps to fit the bracket between the straps and the bolt head.



- 5) Slide the brackets in place.
  - a. For the middle and rear brackets, line the brackets up so the outer edge is flush with the outer edge of the gas tank strap. See image below for reference.



6) For the front angled brackets, line the inside edge up with the corner of the factory gas tank straps.



7) Make sure all bracket are parallel with the gas tank sides, and snug all the hardware just to the point where the bracket can still slightly move.

8) Lift the gas tank skid plate into position. Use a floor jack or screw jacks to lift into place.

- a. Note – All the brackets should sit inside of the skid plate, except for the inside middle bracket. The inside middle bracket fits on the outside of the gas tank skid plate.



INSIDE MIDDLE BRACKET FITS BETTER ON THE OUTSIDE OF THE GAS TANK SKID

- 9) Carefully lift the gas tank skid plate into place and line up the slotted holes in the gas tank skid brackets with the gas tank skid plate.
- 10) Install the 7/16-14 x 1.0" long hex head bolts included with the kit to attach the skid plate to the brackets. Use a washer under the bolt head and secure the brackets to the skid plate with the flange nuts provided.



- 11) Once all the bolts have been aligned and nuts installed finger tight, tighten the factory bolts securing the bracket and gas tank back to the chassis. Again, use a 12 point 11mm socket.
  - a. A wobble extension and universal joint will be helpful in tightening these bolts.
- 12) Snug all factory bolts and tighten further 1/8 to 1/4 turn as it will be difficult to get a torque wrench in place. For reference, the torque specification for the factory gas tank strap bolts is 40 ft-lbs (54 N.m)





13) Torque all hardware in the following order:

- 14) Tighten the 7/16-14 x 1.0" long bolts with a 5/8" socket or wrench. A standard 5/8" box wrench will likely be needed for the rear inner mounting bracket near the drive shaft.
- a. Torque 5/8" bolts to 35 ft-lbs (47 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, of 8778 Plata Ln. STE B. Atascadero, Ca 93422 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 California.

## 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.