



7005 – 2015-PRESENT, MERCEDES SPRINTER NCV3 4X4, REAR FOX SHOCK 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 shock kit that can be installed with basic hand tools.
- The installation of the Van Compass tuned Fox rear shock package can be performed with the vehicle sitting on the ground at ride height; however we find that it is easier for a single person to install if the vehicle's suspension is unloaded.
- This suspension kit can be completely removed, allowing the vehicle to be returned back to stock configuration if desired.

Parts List

3008 – 2015-PRESENT, MERCEDES SPRINTER NCV3 4X4, FOX REAR SHOCKS

- (2) 300801 MERCEDES SPRINTER NCV3 4X4, FOX REAR SHOCKS
- (2) WH8-9 THICK HARDENED FLAT WASHER, 9/16"

Tools Needed

- Quality Jack & Jack Stands
- Simple hand tools:
 - Basic wrench and socket set:
 - Metric sizes: 18mm, 21mm
- Torque wrench
- ¼" allen wrench for external reservoir shocks

Approximate Installation Time

- Professional shop: 30 minutes – 1 hour
- Driveway install: 30 minutes – 1 hour

Installation

- 1) Begin by safely supporting the vehicle so that the rear suspension can hang free. We recommend jacking the vehicle up and supporting it with some large jack stands underneath the rear chassis saddles located just behind the forward leaf spring mount. See images below for reference. You can

skip this step if desired. The shocks can be installed on flat ground by installing the top of the shock first and compressing the shock with a jack as described below.



- 2) Remove the factory rear shock. Use a 21mm socket or wrench to remove the upper shock bolt. Use an 18mm socket / wrench to remove the lower shock bolt
- 3) Install the Fox Shock with the body of the shock up at the chassis. Use the OEM bolt and place the thick washer provided in the kit between the shock and the chassis. If installing shocks with external reservoirs, install the hose towards the front of the van. See image below for reference.



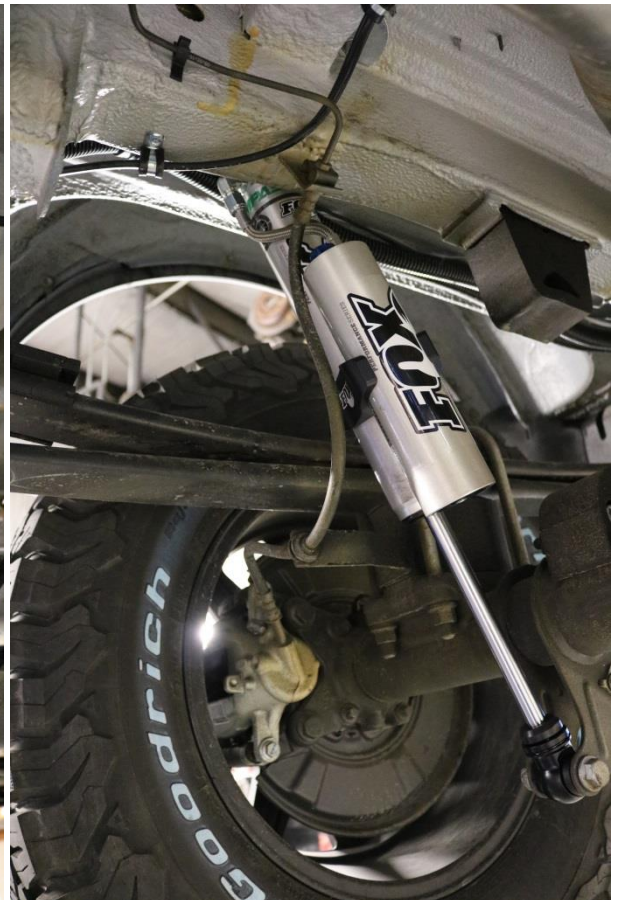
- 4) Snug upper shock bolt using a 21mm socket / wrench. Do not fully tighten at this time though.

- 5) Install the opposite end of the shock into the lower mount. Use a floor jack to raise / lower the rear axle as needed to align the shock into the shock mount. Or use the floor jack to push the shock shaft up and into place. A piece of wood on top of the jack works well to protect the eyelet from being scratched. You will typically need a helper to pump the jack while the installer guides the shock eyelet into the lower mount. Use the factory hardware and an 18mm socket / wrench to snug the factory bolt.





- 6) Attach the reservoirs with the provided clamps. Position them as shown below. Be sure the reservoir will not come into contact with the axle as the suspension compresses and is not rubbing the brake hose. Use a ¼" allen wrench to tighten.



- 7) Torque upper and lower shock bolts.
 - a. Upper bolt torque = 80 ft-lbs (108 N.m)
 - b. Lower shock bolt = 60 ft-lbs (81 N.m)
- 8) Re-check all bolt torques 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.