



2007-PRESENT, MERCEDES SPRINTER 4X4, FALCON 2.1 MONOTUBE REAR SHOCKS

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 is a bolt on shock kit that can be installed with basic hand tools.
- The installation of the Van Compass tuned Falcon 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

3043-3045 – 2007-2018, MERCEDES SPRINTER NCV3 4X4, FALCON 2.1 MONOTUBE REAR SHOCK (LIGHT / MID / HEAVY TUNES)

- (2) 3043 / 3044 / 3045 MERCEDES SPRINTER NCV3 4X4, FALCON REAR SHOCKS, TUNED
- (2) SS-SHBUSH .280" STAINLESS SPACER BUSHING

OR

3056-3058 – 2019-PRESENT, MERCEDES SPRINTER VS30 4X4, FALCON 2.1 MONOTUBE REAR SHOCK (LIGHT / MID / HEAVY TUNES)

- (2) 3056 / 3057 / 3058 MERCEDES SPRINTER VS30 4X4, FALCON REAR SHOCKS, TUNED
- (2) SS-SHBUSH .280" STAINLESS SPACER BUSHING

Tools Needed

- Quality Jack & Jack Stands
- Simple hand tools:
 - Basic wrench and socket set:
 - Metric sizes: 18mm, 21mm
- Torque wrench

Approximate Installation Time

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

Installation

- 1) Raise the rear of the van with a floor jack under the rear hitch so the rear suspension can droop out.

- a. Remove the factory shocks.
- b. For 2500 SRW vans, use an 18mm socket / wrench for the lower bolt and a 21mm socket / wrench for the upper. Retain both bolts as they will be re-installed.
- c. For 3500 DRW vans, use a 21mm socket / wrench for both the upper and lower bolt. Retain both bolts as they will be re-used.



- 2) Note the shocks are the same left to right.
 - a. Install the shocks so the Falcon Logo is facing outwards on a 2500 SRW van.
 - b. Install the shocks so the Falcon Logo is facing inwards on a 3500 DRW van.
- 3) Install the shock into the upper mount using the factory bolt and stainless spacer bushing as shown. Use a dab of red Loctite on the threads of the upper bolt.
 - a. Note, some variants of the upper shock bushing will have an offset bonded upper bushing. These shocks do not require a stainless spacer. Just make sure the larger offset goes towards the van's chassis / frame rail.



- 4) Torque the upper bolt to 100 ft-lbs (108 N.m).
- 5) For 2500 series vans, install the OEM lower shock bolt and torque to 60 ft-lbs. (81 N.m)
 - a. For 3500 series DRW vans, install the OEM lower shock bolt and torque to 100 ft-lbs. (108 N.m)
- 6) 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, 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.