



1005 – 2015-PRESENT, MERCEDES SPRINTER 4X4, FRONT SWAY BAR DISCONNECT KIT

Version 2.1

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 suspension kit can be completely removed, allowing the vehicle to be returned back to stock configuration if desired.
- This sway bar disconnect is designed to allow the operator to easily disconnect the front sway bar of the van when traveling offroad to allow the front suspension to be more compliant and use it's full range of motion to mitigate the 3 wheeling / tripod effect Sprinters are known for.

Parts List

1005 – 2015-PRESENT, MERCEDES SPRINTER NCV3 4X4, FRONT SWAY BAR DISCONNECT KIT

- (1) 100501 MERCEDES SPRINTER NCV3 4X4, FRONT SWAY BAR DISCONNECT
- (1) 100501-01 MERCEDES SPRINTER NCV3 4X4, FRONT SWAY BAR DISCONNECT SWAY BAR PIN
- (1) 100501-04 MERCEDES SPRINTER NCV3 4X4, FRONT SWAY BAR DISCONNECT, LOWER MOUNTING PIN
- (1) NNM12-1.25 NYLOCK NUT, M12-1.25
- (1) WF-M12 FLAT WASHER, M12
- (1) WF-08 FLAT WASHER, ½"
- (1) NNC-08 NYLOCK NUT, ½"-20
- (1) LP-03 3/16" LYNCH PIN
- (1) LP-03-SS 3/16" STAINLESS LYNCH PIN
- (1) DP-PB-12 DISCONNECT PIN, PLASTIC BUSHING, ¾" ID, .440" WIDTH
- (1) SB-DC-BAG SWAY BAR DISCONNECT STORAGE BAG

Tools Needed

- Quality Jack and 1 jack stand.
- Simple hand tools:
 - Basic wrench and socket set:
 - Metric sizes: 14mm, 15mm, 18mm, 19mm
 - SAE sizes: 3/4"
 - T-40 Torx Bit

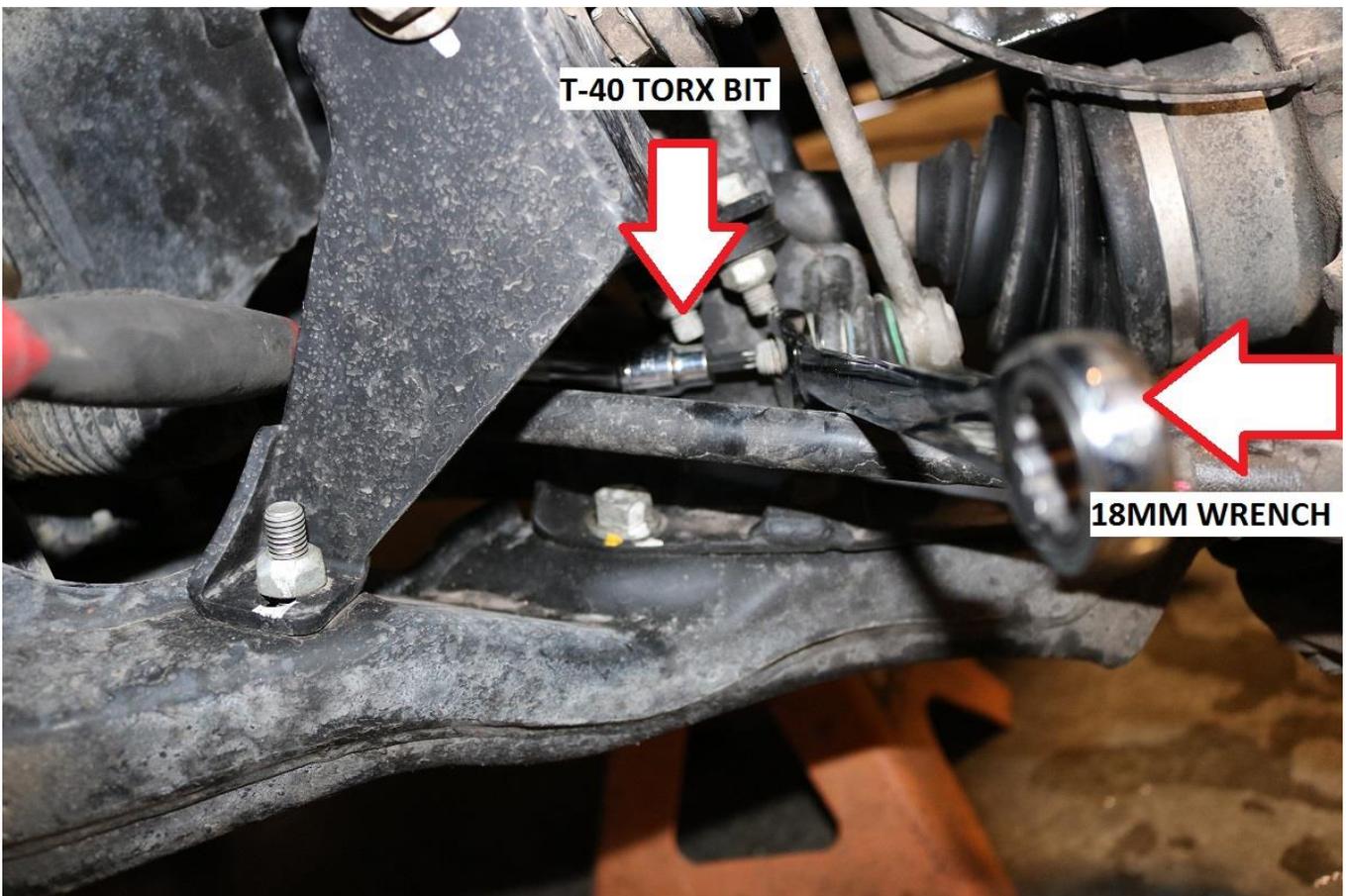
- Small punch or screwdriver

Approximate Installation Time

- 1-2 hrs.

Installation

- 1) Begin by safely supporting the front of the vehicle so that the front suspension can hang free.
 - a. Remove the driver side tire.
- 2) Remove the driver side sway bar link. Use an 18mm wrench to hold the nut and spin the tie rod end with a T-40 torx bit on a ratchet. Do this for both the upper and lower tie rod end of the sway bar end link.
 - a. Note, an air or electric ratchet fitted to the Torx bit speeds up this process significantly.
 - b. Note, there can be some tension on the sway bar link making the sway bar link more challenging to remove. If needed, use a pry bar as shown in the image below to alleviate tension on the link for easier removal.





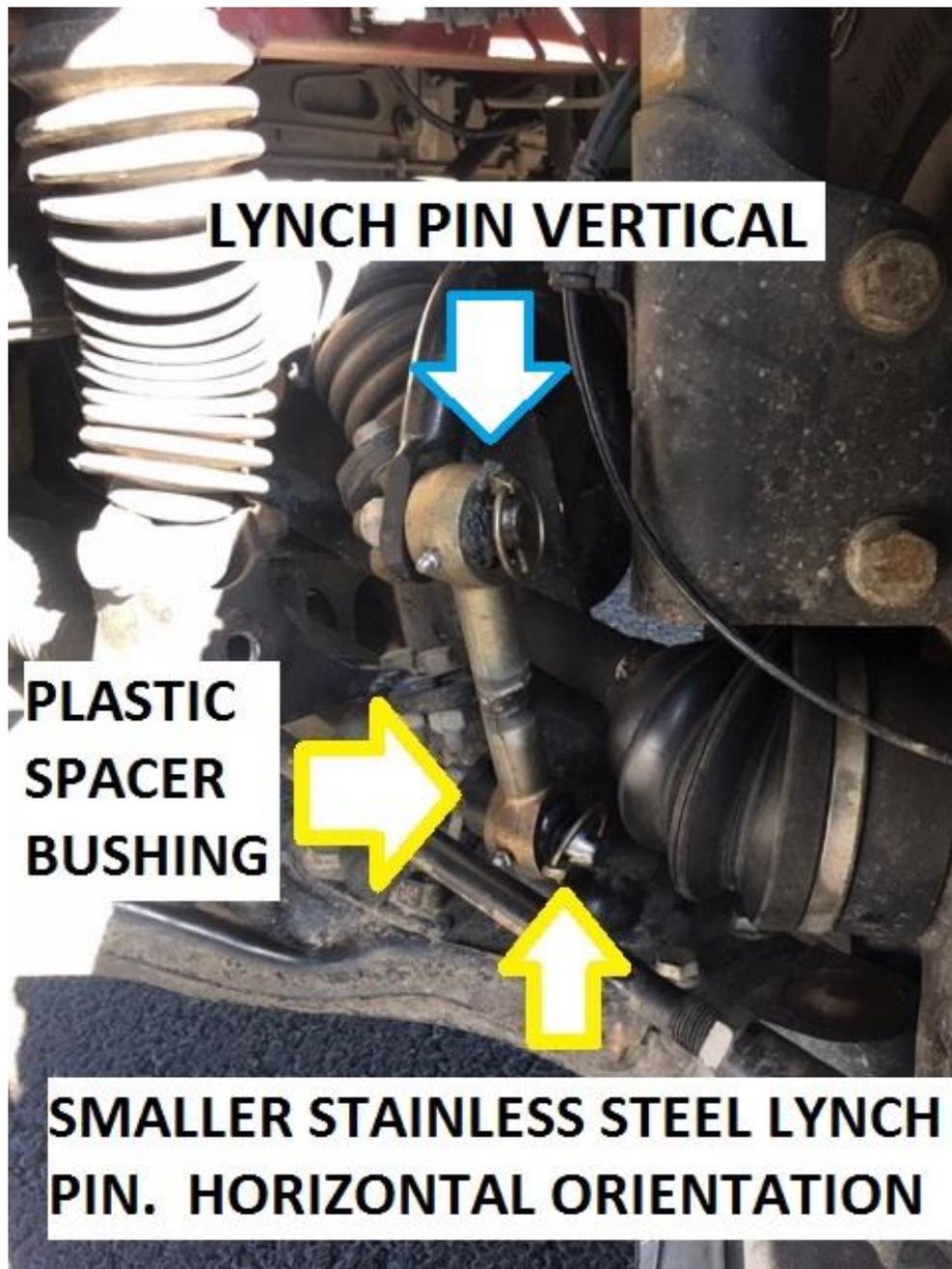
- 3) With the factory sway bar link removed, fit the smaller of the two sway bar disconnect studs into the swaybar itself. See image below for reference.



- 4) Install the smaller of the two disconnect studs using an included $\frac{1}{2}$ " flat washer and the M12 nylock nut included. Use a 19mm wrench to tighten the nut. Keep the stud from spinning by using a small screwdriver or punch through the lynch pin hole. See image below for reference.
- Since fitting a torque wrench is difficult here, snug the nut down till it is bottomed and give the nut an additional $\frac{1}{4}$ to $\frac{1}{2}$ turn. Torque spec should be about 60 ft-lbs. (80 N.m) for reference.
 - Orient the lynch pin mounting hole vertical for ease of use. See last image of instructions for reference.



- 5) Install the longer sway bar disconnect stud on the lower sway bar link mount. Install using the same tools / methods as described in step 4.
- Orient the lynch pin mounting hole horizontal with the ground for ease of use and clearance with the front axle shaft. Again, see last image in instructions for reference.
- 6) With the vehicle sitting under its own weight at ride height, install the sway bar disconnect onto the vehicle.
- Be sure to first install the included plastic bushing on the lower mount.
 - Use the smaller stainless steel lynch pin on the lower mounting pin. Always use this smaller pin on the lower mount.



- 7) Re-check all bolt torques after 100 miles of driving. Grease the zerk fitting on the sway bar disconnect every 3-5k miles.

Installation is Complete

Directions for use:

1. Remove the sway bar disconnect for any duration of off-road driving. Both high speed and low speed off road travel will benefit from the added compliance provided by disconnecting the front sway bar.
2. Be sure to either remove the plastic spacer bushing when removing the sway bar link or re-install the lower lynch pin to ensure the plastic bushing doesn't fall off when the sway bar link is removed.
3. Removal and installation of the sway bar link is best done when the van is on a flat, level surface and the suspension is not articulated. Turn the steering wheel to full driver lock for more room to remove / install the sway bar disconnect.

4. Use the included storage bag to store the sway bar disconnect and associated hardware when removed from vehicle.

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.