



X02-09-009 – 2007-PRESENT, MERCEDES SPRINTER, APEX AIRLYNX

Version 2.0

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 suspension kit can be completely removed, allowing the vehicle to be returned to stock configuration if desired.
- **NOTE: Airlynx are not compatible on 4x4 vans with large bodied aftermarket aluminum struts. OEM style struts must be retained for compatibility.**
 - Additionally, AWD vans equipped with large bodied aftermarket aluminum struts will have limited range of negative camber adjustment for clearance with the airlynx. Camber must be set neutral or slightly positive when pairing with Van Compass Rally Struts.
- Note this is a simple bolt on sway bar link kit on all sprinter van models from 2007-current. These instructions document installation on a 4x4 / AWD van. Instructions will be similar for RWD.
- This sway bar link can be adjusted from 0-300 psi. The sway bar is still active even when there is 0 psi in the air lynx. More air pressure = more sway bar engagement all the way to full sway bar engagement (OEM feel).
- The airLYNX delay engagement to the stock sway bar when at zero psi. They are fully disconnected for the first 2" of wheel travel, beyond that, they produce a reduced rate of engagement (or force) that is being applied by the sway bar.
- A bike fork shock pump with a zero loss chuck is the best tool for charging the airLYNX. Zero loss chucks allow for the Schrader valve to close before releasing pressure. Because the airLYNX volume is so small, pressure will leak off if a no-loss chuck isn't utilized. There are many options available on Amazon. GIYO part number GS02D is a good option.

Parts List

X002-09-009 – 2007-PRESENT, MERCEDES SPRINTER, FRONT AIRLYNX

- | | |
|-------------------|----------------------------------|
| • (2) SPR-AIRLYNX | MERCEDES SPRINTER AIRLYNX |
| • (4) NNM12-1.25 | M12-1.25, NYLOCK NUT, CLEAR ZINC |
| • (4) WFS-M12 | SERRATED FLANGE NUT |

Tools Needed

- Quality Jack and 2 jack stands.
- Simple hand tools:
 - Torque wrench.
 - Basic wrench and socket set:

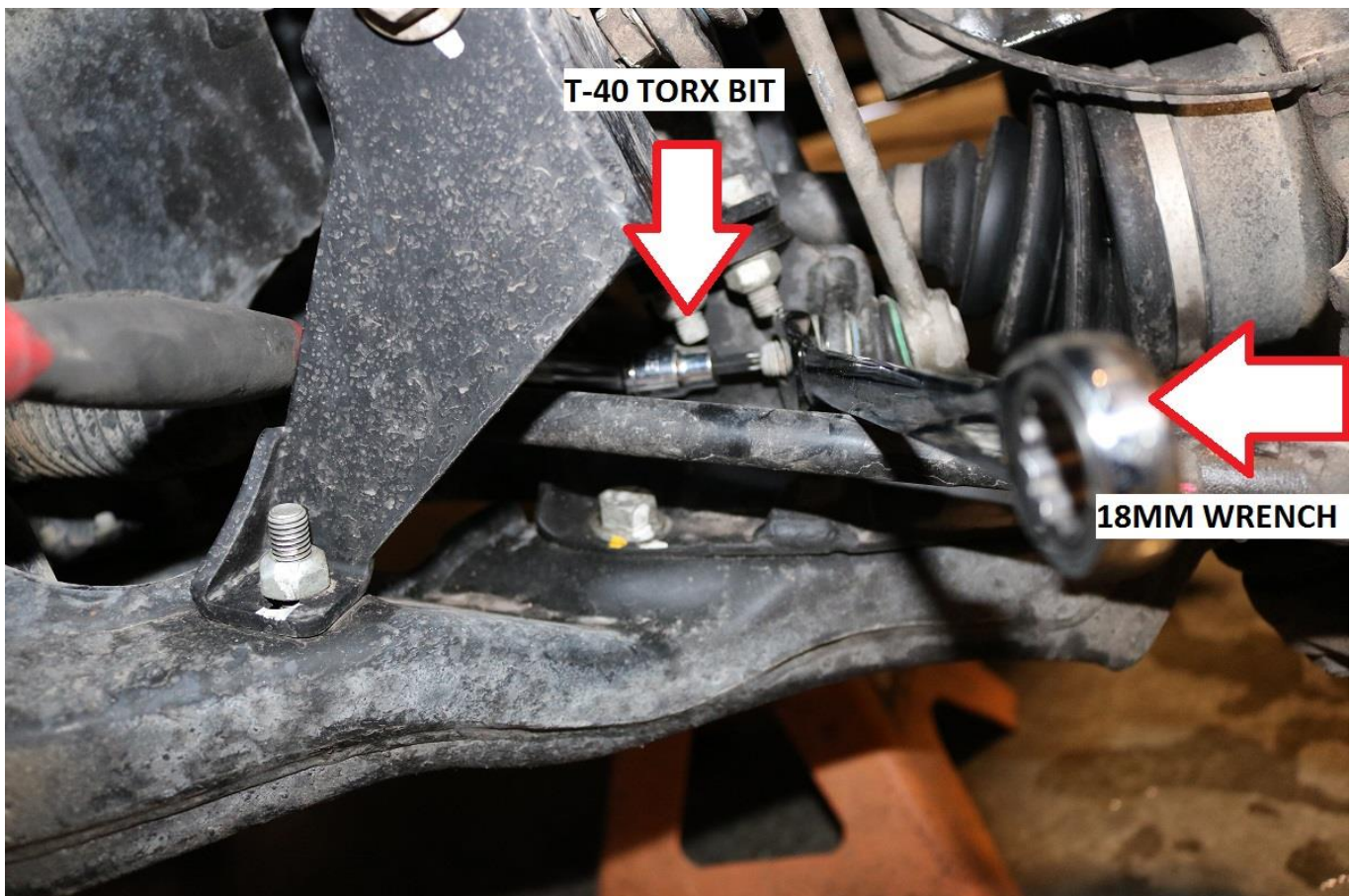
- Metric sizes: 18mm
- T-40 Torx Bit
- 6mm allen wrench
- Small punch or screwdriver

Approximate Installation Time

- 1-2 hrs

Installation

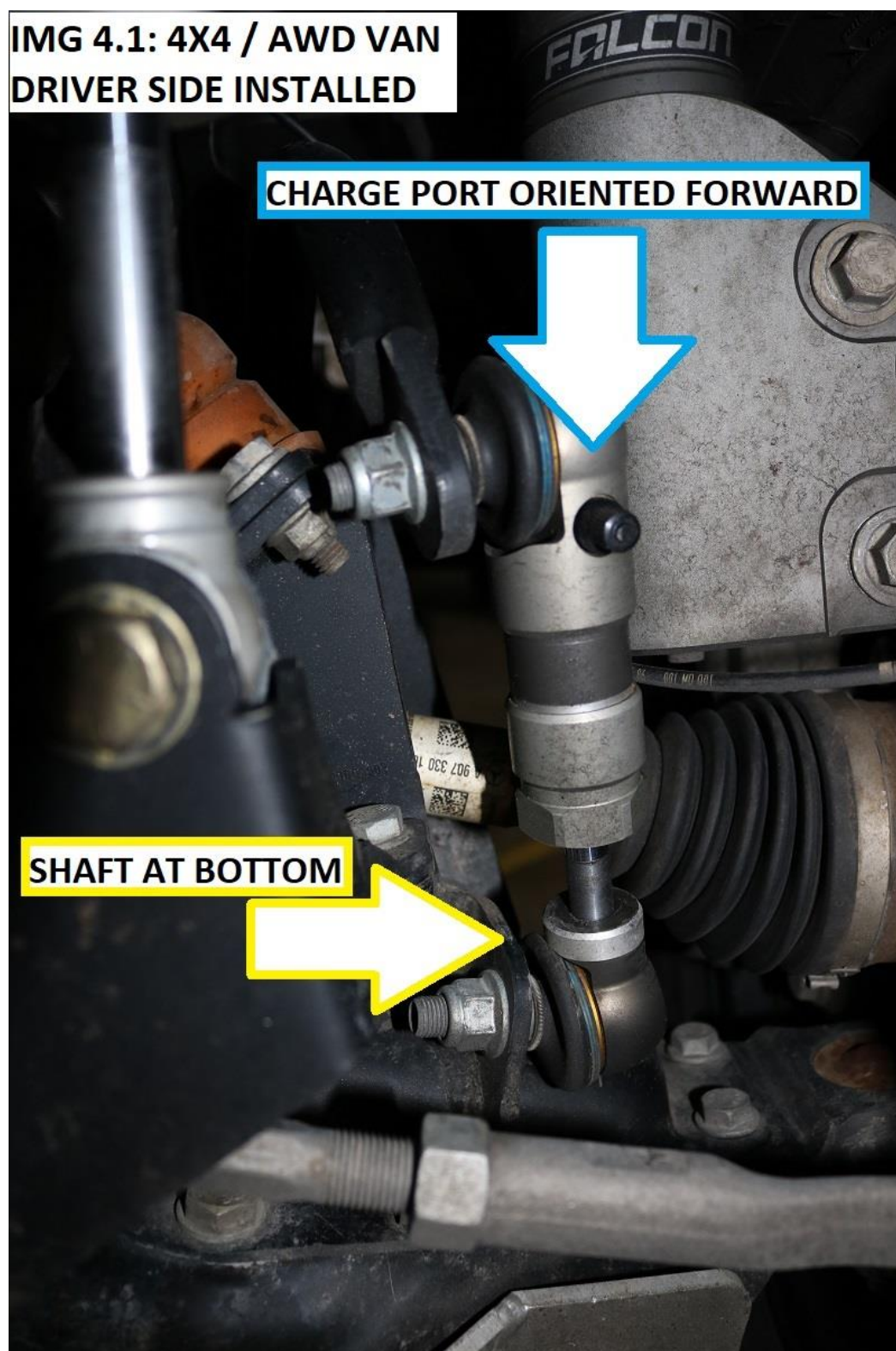
- 1) This kit can be installed with the vehicle sitting under its own weight at ride height. Simply turn the wheel to full steering lock to gain clearance to the sway bar link. Installing one side at a time.
 - a. It is recommended however to install simultaneously on both sides of the vehicle with the front wheels removed and front suspension hanging free.
- 2) Instructions show installation on the driver side of the vehicle, repeat steps on passenger side simultaneously unless otherwise specified.
- 3) Remove the sway bar link. Use an 18mm wrench to hold the nut and spin the tie rod end loose 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.

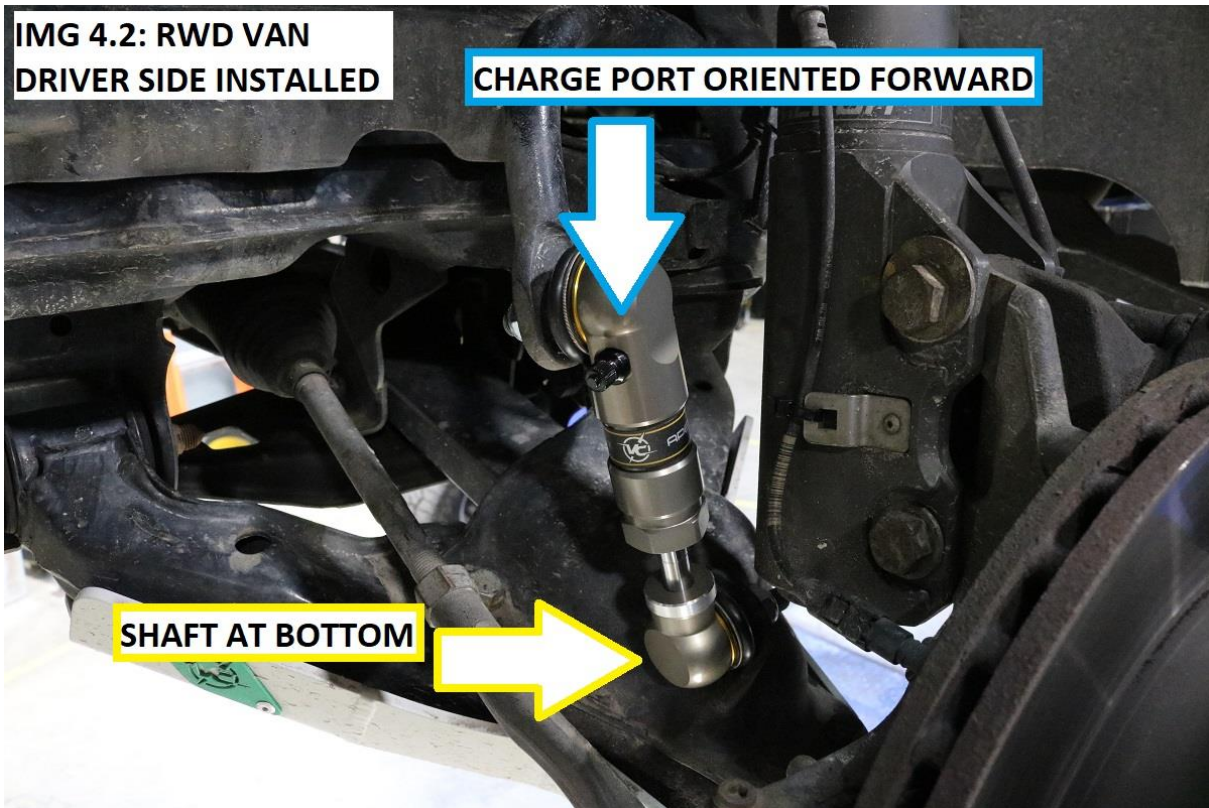




- 4) Note the airLYNX are left and right specific. Install with the shaft side down and the charge port oriented towards the front of the vehicle as shown below.
- a. Use an included serrated washer under the nut, be sure to orient the washer so the serrated side is contacting the nut.
 - b. Tighten nuts with a 18mm socket / wrench. Use a 6mm allen wrench to prevent the stud from spinning.
 - c. Torque to 55 ft-lbs (74 N.m)
 - d. See image 4.1 below for completed 4x4 / AWD installation.
 - e. See image 4.2 below for completed RWD installation.

**IMG 4.1: 4X4 / AWD VAN
DRIVER SIDE INSTALLED**



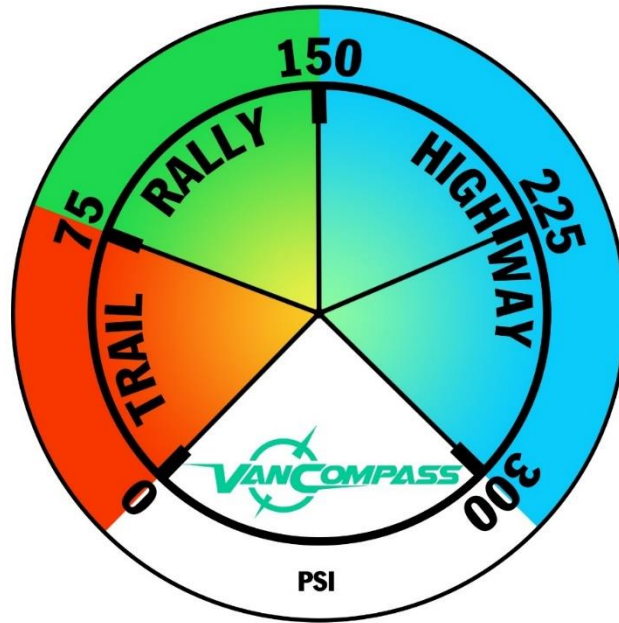


- 5) Repeat installation on the passenger side.
- 6) Re-install wheels / tires if previously removed.
- 7) If aftermarket large bodied aluminum struts are installed, turn the steering from lock to lock and check for interference between the strut body and air lynx. Adjust camber as required for clearance.
 - a. If camber is adjusted, ensure the toe is adjusted accordingly to prevent increased tire wear.
- 8) Re-check all bolt torques after 100 miles of driving.

Installation is Complete

Directions for use:

1. Ultimately the airLYNX use is completely customizable and it is up to each driver to determine the preferred pressures to run in each scenario.
2. Van Compass recommends the following airLYNX pressures per scenario:
 - a. 0-75 PSI – Low Speed (0-20 mph) (TRAIL)
 - b. 75-150 PSI – High speed desert / forest road (RALLY)
 - c. 150-300 PSI – Street / Highway (ON ROAD)
3. Charge the airLYNX using a bike shock pump with a zero loss chuck. Zero loss chucks allow for the Schrader valve to close before releasing pressure. Because the airLYNX volume is so small, pressure will leak off if a no-loss chuck isn't utilized.



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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.