



7011 – 1994-2006, MERCEDES SPRINTER T1N, REAR FOX SHOCK KIT

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 shock kit can be installed on a completely stock van.
- This is a bolt on shock kit that can be installed with basic hand tools.
- This suspension kit can be completely removed, allowing the vehicle to be returned back to stock configuration if desired.

Parts List

3009 – 1994-2006, MERCEDES SPRINTER T1N, FOX REAR SHOCKS

- (2) 300901 MERCEDES SPRINTER T1N, FOX REAR SHOCKS
- (2) WH8-9 THICK HARDENED FLAT WASHER, 9/16"

Tools Needed

- Quality Jack and 2 jack stands.
- Torque wrench
- Simple hand tools:
 - Basic wrench and socket set:
 - SAE sizes: 1/4" Allen
 - Metric sizes: 18mm, 21mm

Approximate Installation Time

- Professional shop with automotive lift: 30min - 1 hour
- Driveway install with jack and jack stands: 30min - 1 hour

Installation

- 1) Begin by safely supporting the vehicle so that the rear suspension can hang free.
- 2) Support the axle and disconnect the lower shock bolt. Use an 18mm socket and wrench for removal if factory hardware is still present. Note; If vehicle is equipped with Van Compass Scout Kit rear lift kit, shock mount hardware is 19mm.
- 3) Once the shock is removed, allow the axle to hang freely again. Note that the springs will limit the downward travel with the shocks removed.

- 4) Use a 21mm socket and wrench to remove the upper shock bolt.
- 5) Remove the rear shock.
- 6) Re-install the upper shock bolt as shown. Be sure to retain the factory spring washer as shown. Add the 9/16" thick washer included with the shock kit as shown.



- 7) Install the new Fox shocks with the shock body mounted to the upper shock bolt. Install the shock with the reservoir line pointing towards the front of the vehicle as shown below.



- 8) Raise / lower the axle as needed to align the lower shock eyelet into the lower shock mount. Re-install the lower shock mount hardware removed in step 2 and torque to 52 ft-lbs. (70 N.m)
- 9) Torque upper shock bolt to 81 ft-lbs. (110 N.m)
- 10) Position the shock reservoir on the body as shown. See the previous image above for reference. The reservoir should be clamped on the front side of the shock with approximately 1" hanging past the shock body.
 - a. Use a ¼" allen to tighten the included reservoir clamp to the shock body. Do not over tighten shock clamp. Simply snug the bolt to the point where the reservoir cannot be moved by hand.
 - b. Make sure the shock reservoir hose is not bound or kinked. Reposition the shock reservoir as needed for the hose to be in a good position.
 - c. Ensure the brake hard lines at the chassis are not in contact with the shock reservoir hose. The hard lines can be bent slightly out of the way if there is any contact.
- 11) Lower vehicle back to ground.
- 12) 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.