



2014 – 2007-PRESENT, MERCEDES SPRINTER POWER STEERING FIX 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 power steering solution that can be installed with simple hand tools.
- This kit fixes the common issue associated with Mercedes Sprinter vans related to the low-pressure power steering hose blowing off the power steering cooler due to a loose fitting OEM hose spring clamp and the low pressure power steering hose being too short from Mercedes.

Parts List

2014 – 2007-PRESENT, MERCEDES SPRINTER, POWER STEERING FIX KIT

- (1) LPS-6-04 LOW PRESSURE POWER STEERING HOSE EXTENSION, 4.0" LONG
- (1) HB-6-STRAIGHT HOSE BARB EXTENSION
- (3) CLAMP-7-12-SS HOSE CLAMP, STAINLESS STEEL
- (1) FLUID-PS 4OZ PENTOSIN CHF 11S POWER STEERING FLUID

Tools Needed

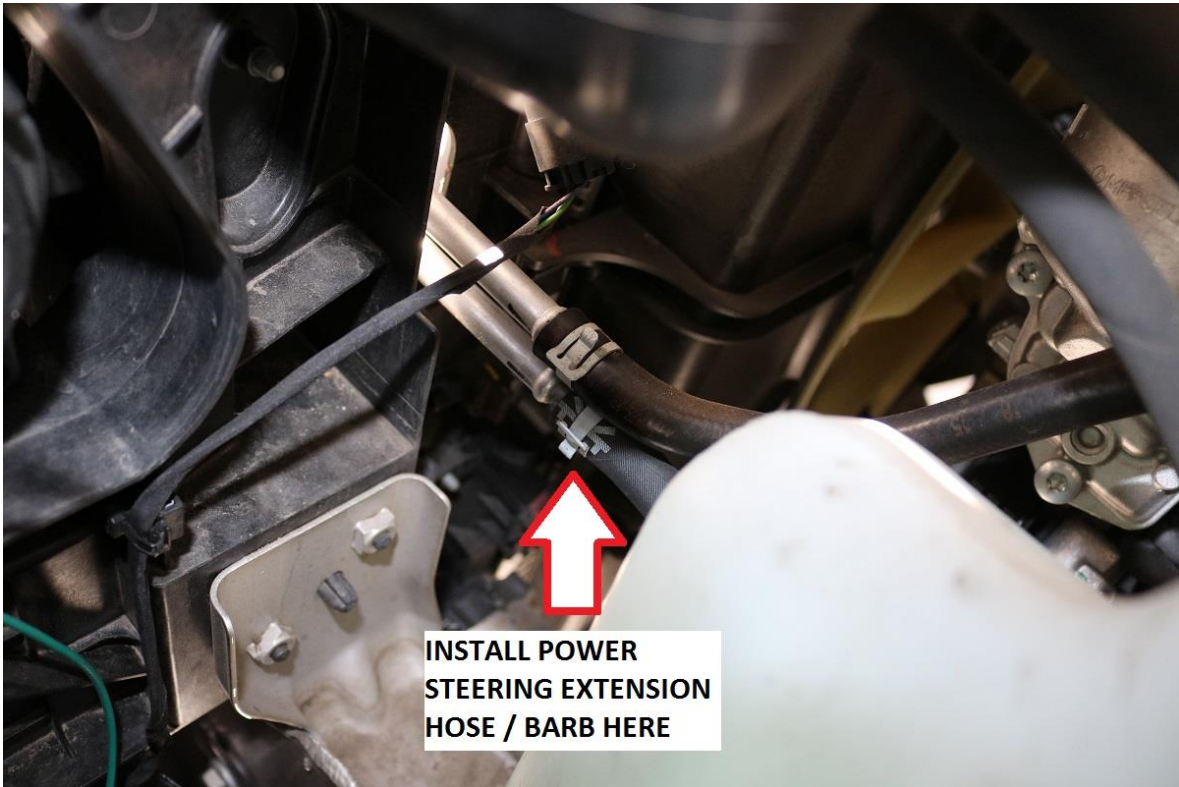
- Simple hand tools:
 - Channel lock pliers or similar standard pliers (for OEM spring hose clamp removal)
 - Basic wrench and socket set:
 - SAE Size: ¼" nut driver or socket with long extension (a flat blade screw driver would also work)

Approximate Installation Time

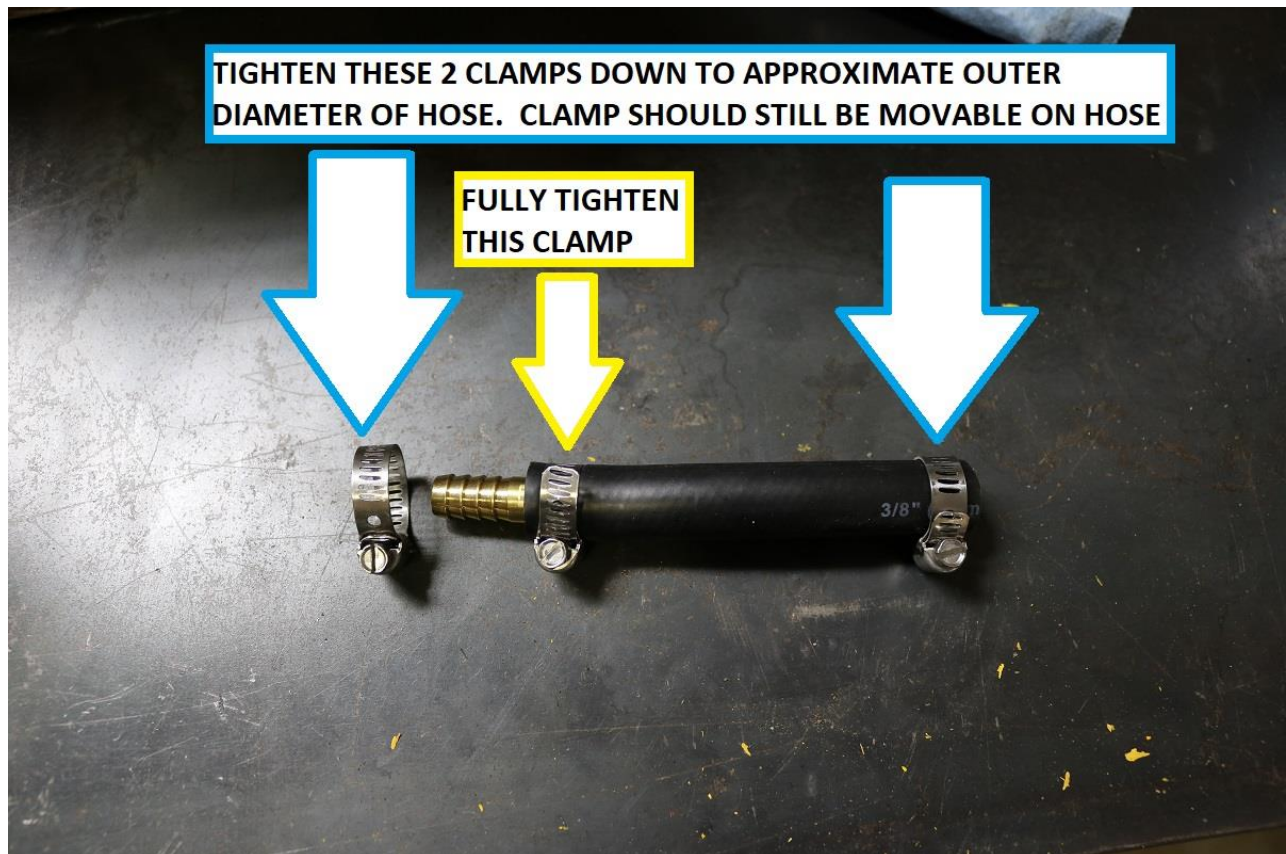
- 5-10 min

Installation

- 1) Locate the low pressure power steering hose going from the steering rack to the power steering cooler. See image below for reference.



- 2) Prepare the hose extension piece by getting the hose clamps installed and sized down to the point where they are about the size of the outer diameter of the hose extension piece.
 - a. Use a $\frac{1}{4}$ " nut driver or socket to tighten hose clamps. (A flat blade screw driver could also be used.)
 - b. (See image below for reference)



- 3) Remove the OEM spring clamp on this hose and slide the hose off the power steering cooler barb fitting. Try to minimize spilling by keeping the hose upright and putting your thumb over the hose once removed.
 - a. Discard the OEM spring hose clamp as it will not be re-used.
- 4) Slide the hose barb into the factory low pressure hose and slide the open end of the hose onto the power steering cooler port near the radiator.
- 5) Tighten the two hose clamps using a ¼" nut driver / socket or a flat blade screw driver.
- 6) Check that the power steering level is still sufficient, top off fluid if needed.
 - a. Included in this kit is 4 oz of Pentosin CHF 11S Synthetic fluid which meets or exceeds MBZ 345.0 specification. Utilize this fluid to get the power steering fluid reservoir filled to the appropriate range.

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.