



4003 – 1994-2006, MERCEDES SPRINTER T1N, TRANSMISSION SKID PLATE

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 skid plate that can be installed with basic hand tools and an electric drill with a 1/2" metal cutting drill bit.
- ****NOTE**** this skid is designed to be used in conjunction with Van Compass 4002 engine skid plate. Refer to 4002 engine skid plate installation instructions when installing this skid plate. Hardware from the 4002 engine skid plate kit will be used to install the 4003 transmission skid plate

Parts List

4003 – 1994-2006, MERCEDES SPRINTER T1N, TRANSMISSION SKID PLATE

- (1) 400301-01 TRANSMISSION SKID PLATE, STOCK HEIGHT, 1/4" 6061 AL
- (2) CC5-8-40 1/2-13 UNC, GR5 CARRIAGE BOLT, 4.0" LONG
- (3) NNC-8 1/2-13 UNC, NYLOCK NUT, CLEAR ZINC PLATED
- (3) WF8-8 1/2" GR8 FLAT WASHER
- (1) CC5-8-12 1/2-13 UNC, GR5 CARRIAGE BOLT, 1.50" LONG

Tools Needed

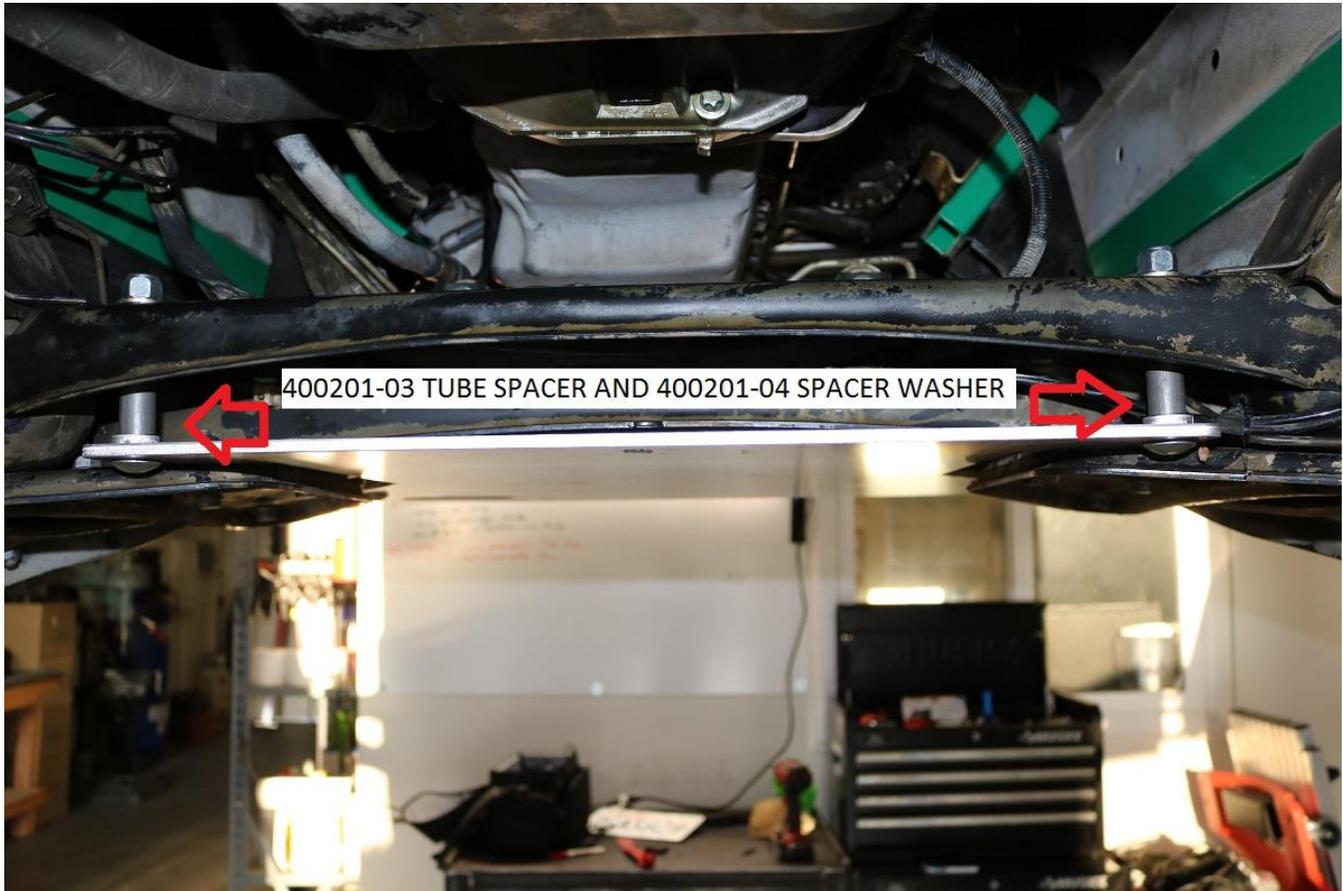
- Simple hand tools:
 - Basic wrench and socket set:
 - SAE sizes: 3/4"
- Drill with quality metal cutting 1/2" diameter drill bit.
- Floor jack or C-clamp.

Approximate Installation Time

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

Installation

- 1) Refer to 4002 – 1994-2006, Mercedes Sprinter T1N, Engine Skid Plate instructions prior to installing the transmission skid plate.
- 2) If 4002 engine skid has already been fully installed on the vehicle, follow steps 3-4 below. If simultaneously installing 4002 engine skid and 4003 transmission skid, skip straight to step 5
- 3) Begin by loosening the four ½-13 carriage bolts which secure the main aluminum engine skid plate to the chassis.
- 4) Remove the two rear ½-13 carriage bolts attaching the engine skid to the chassis. Remove the 400201-03 engine cross member spacer and 400201-04 rear engine cross member spacer washer. Use a ¾" socket or wrench for removal.



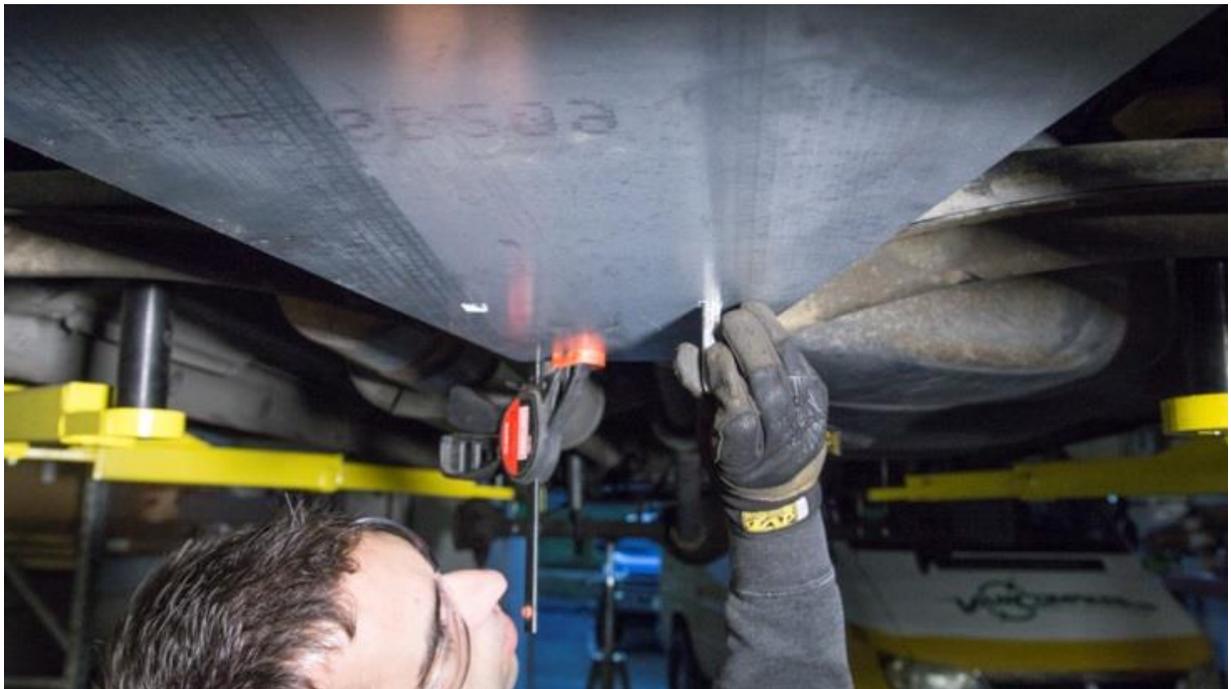
- 5) Position the 400301-01 transmission skid plate as shown. It is designed to rest on top of the main aluminum engine skid plate. Use a floor jack to support it or simply clamp it to the transmission cross member as shown.
 - a. Note the skid plate should sit flush with the back edge of the transmission skid plate.



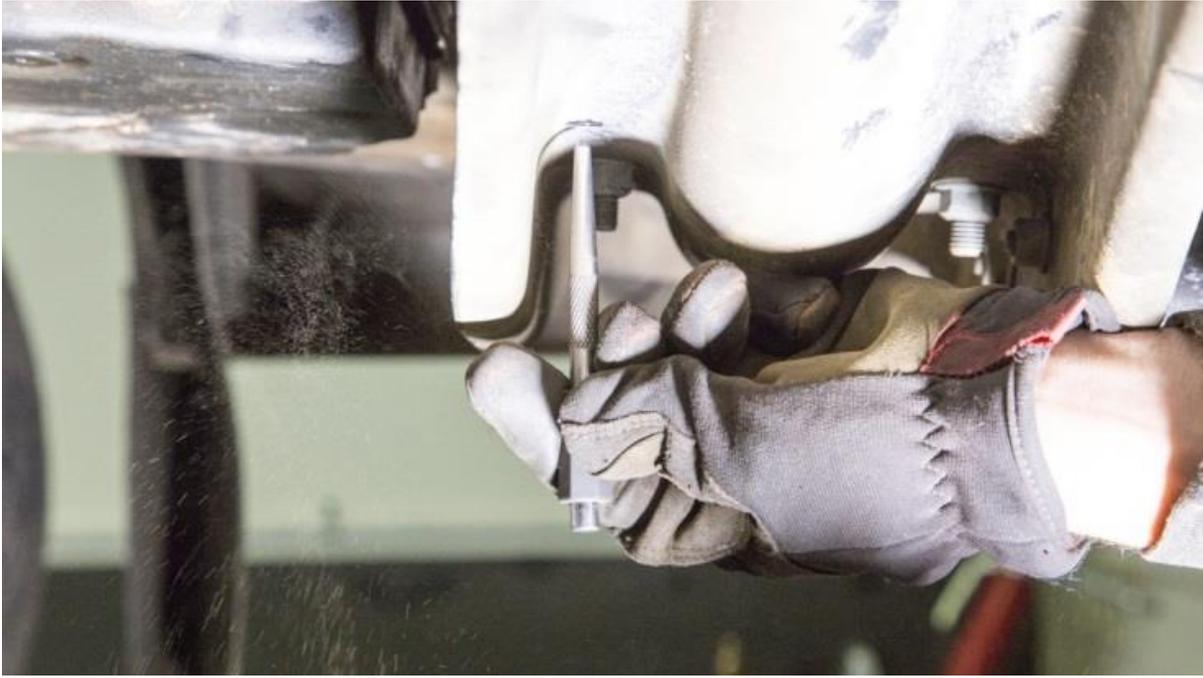
- 6) Install the 400201-03 engine cross member spacers included with the 4002 engine skid plate kit. Install the spacers as shown.



- 7) Install the $\frac{1}{2}$ -13 x 4.0" long carriage bolts included with the engine skid plate. Install with a washer under the nylock nut as shown. Start and snug the nut at this time.
- 8) Make sure the center front mounting hole in the transmission skid plate is lined up with the engine skid plate at this time.
- 9) Mark the hole locations for the two rear mounting holes of the transmission skid plate.



- 10) Remove the skid plate and center punch the marked holes. Drill with a quality $\frac{1}{2}$ " (13mm) diameter metal cutting drill bit.



- 11) Once transmission cross member holes are drilled. Re-install the transmission skid plate.
 - a. Re-install the $\frac{1}{2}$ -13 x 4.0" long carriage bolts as described in steps 6-7. Simply start the nut. Do not tighten at this time.
- 12) Install the $\frac{1}{2}$ -13 x 1.5" long bolt in the center front hole of the transmission skid plate. Install a washer under the nylock nut. Simply start the nut, do not fully tighten at this time.



- 13) Install the $\frac{1}{2}$ -13 x 4.0" long carriage bolts included with the transmission skid plate in the rear mounting holes that were drilled in step 10. Again, use a washer under the nylock nut.



- 14) Snug all $\frac{1}{2}$ " nuts on the engine skid plate / transmission skid plate at this time. Use a $\frac{3}{4}$ " socket or wrench to tighten.
- 15) If 4002 engine skid plate is being installed simultaneously, refer to those instructions to complete installation.
- 16) Torque all transmission skid plate hardware as follows:
- $\frac{1}{2}$ " = 80 ft-lbs (109 N.m)

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.