



4112 – 2007-PRESENT, MERCEDES SPRINTER, FRONT LOWER CONTROL ARM SKIDPLATE

Version 1.1

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 skid plate can be installed with the vehicle on the ground, sitting under its own weight. However, installation is MUCH easier with the front wheels removed.
- This is a bolt on skid plate that can be installed with simple hand tools on all NCV3 and VS30 sprinter van models 2007-current. No drilling is required.
- This skid plate can be completely removed, allowing the vehicle to be returned back to stock configuration if desired.

Parts List

4112 – 2007-PRESENT, MERCEDES SPRINTER, FRONT LOWER CONTROL ARM SKIDPLATE

- | | |
|-------------------------|---|
| • (1) 411201-LH | MERCEDES SPRINTER, FLCA SKIDPLATE, DRIVER SIDE |
| • (1) 411201-RH | MERCEDES SPRINTER, FLCA SKIDPLATE, PASSENGER SIDE |
| • (4) HM12-1.50-50-10.9 | M12-1.50 X 50MM LONG, HEX HEAD BOLT, GR 10.9 |
| • (4) HM12-1.50-16-8.8 | M12-1.50 X 16MM LONG, HEX HEAD BOLT, GR 8.8 |
| • (4) 411202-01 | STAINLESS CONTROL ARM SKIDPLATE BOLT WASHER |
| • (4) WFM-12 | M12 FLAT WASHER |

Tools Needed

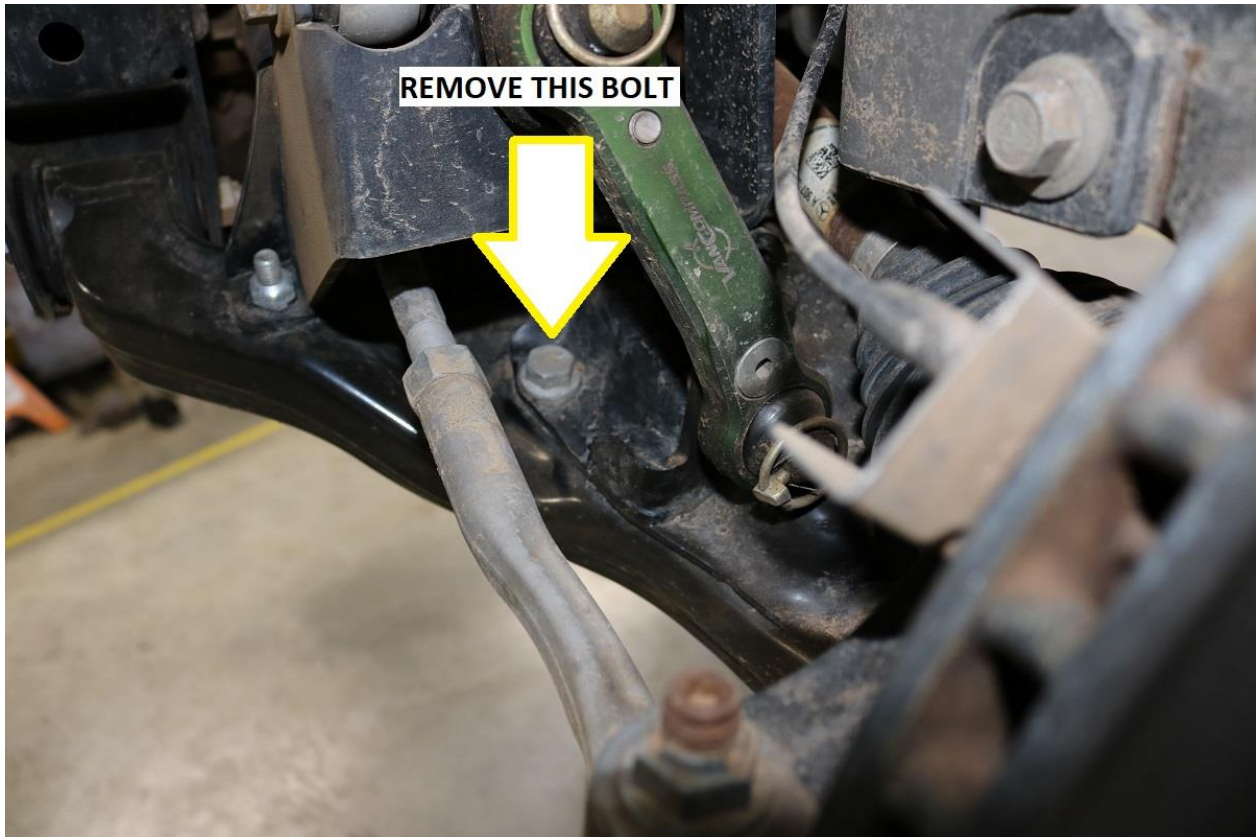
- Simple hand tools:
 - Torque Wrench
 - Basic wrench and socket set:
 - Metric sizes: 18mm, 19mm
- Recommended:
 - Automobile lift or floor jack and jack stands

Approximate Installation Time

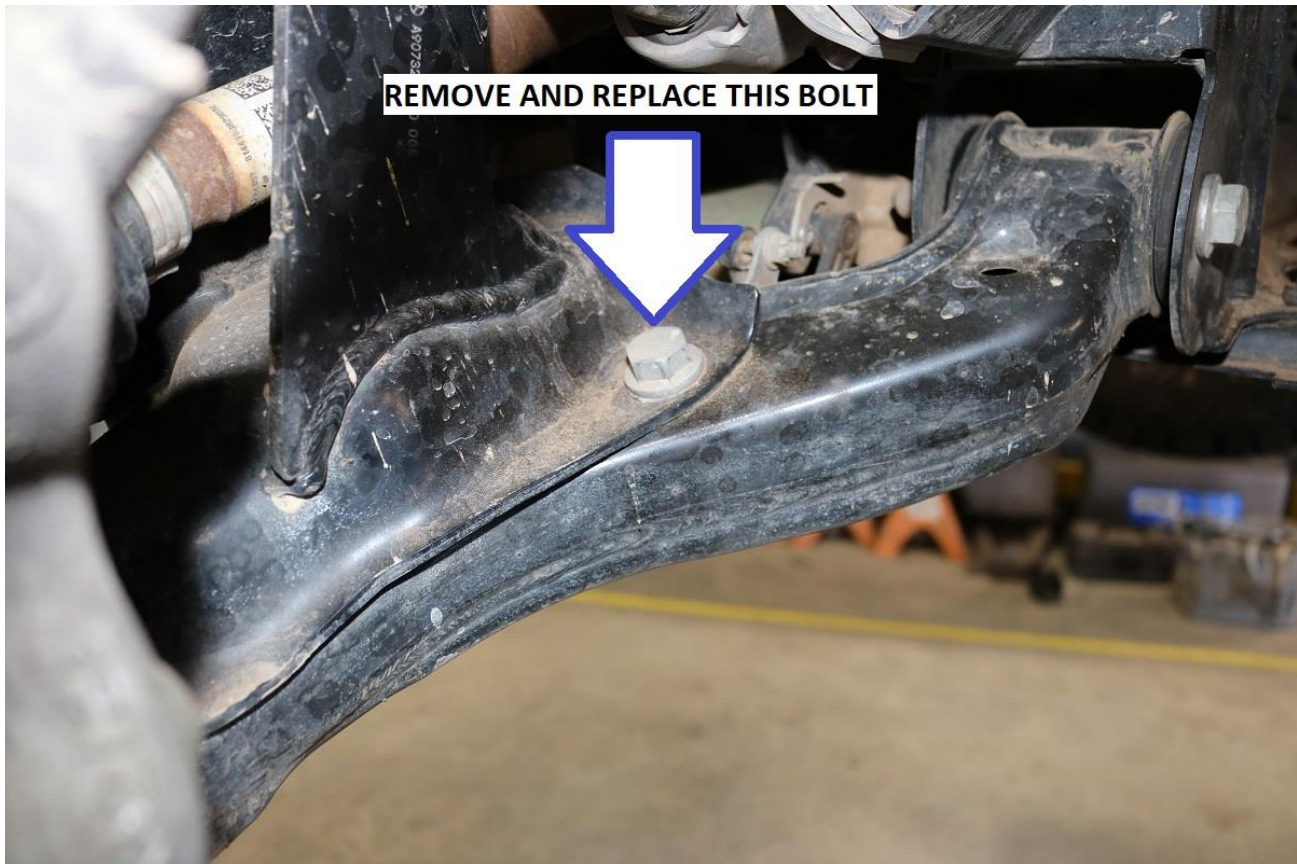
- | | |
|---|-----------------|
| • Professional shop with automotive lift: | 20 min – 30 min |
| • Driveway install with floor jack: | 30 min - 1 hour |

Installation

- 1) Note; this skid plate system can be installed with the vehicle on the ground. It does not need to be raised up for installation. However, it is a lot easier to perform installation with the vehicle raised and front tires removed.
 - a. These instructions will document installation with the front tires removed.
- 2) Locate and remove the front upper leaf spring clamp bolt on the front lower control arm. Use an 18mm wrench for removal. See image below for reference.

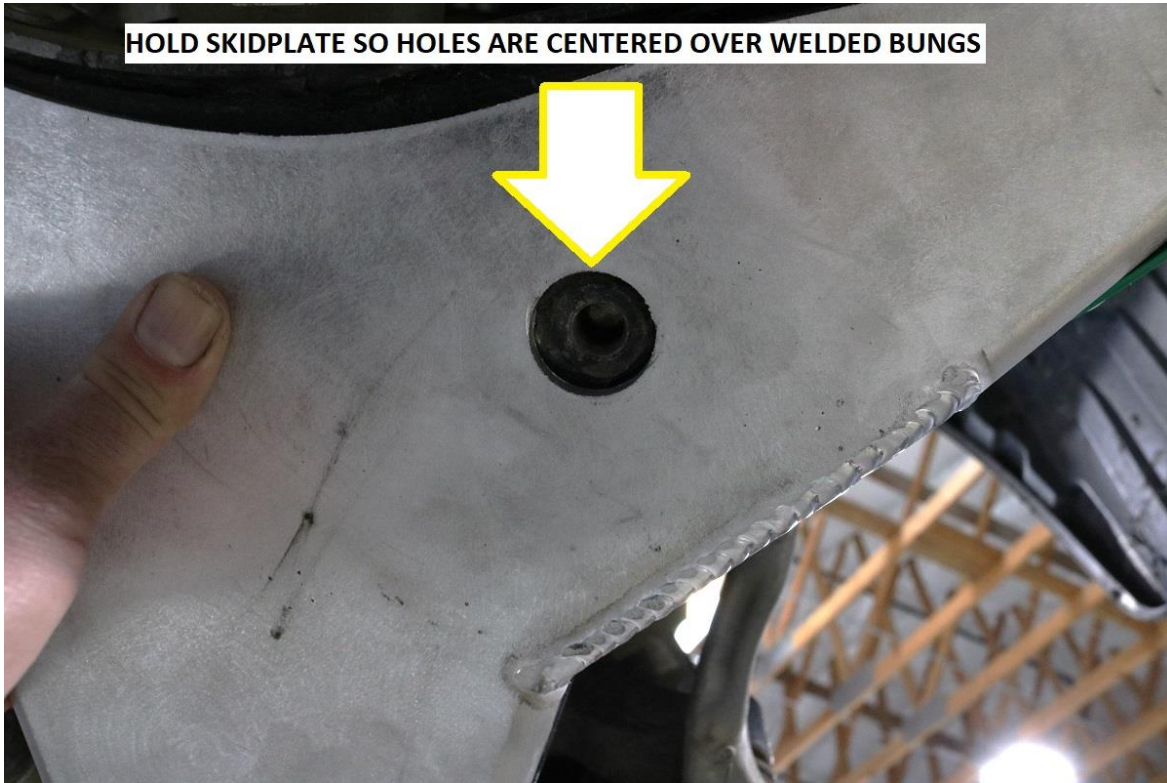


- 3) Replace the front upper spring clamp bolt with the M12-1.50 x 50mm long bolt provided. Be sure to use a washer under the bolt head. Install and tighten the bolt with a 19mm socket and torque to 80 ft-lbs (109 Nm)
- 4) Locate the rear upper spring clamp bolt on the front lower control arm. Again, remove and replace with the included M12-1.50 x 50mm long bolt provided. Use a washer under the bolt head and torque to 80 ft-lbs (109 Nm)

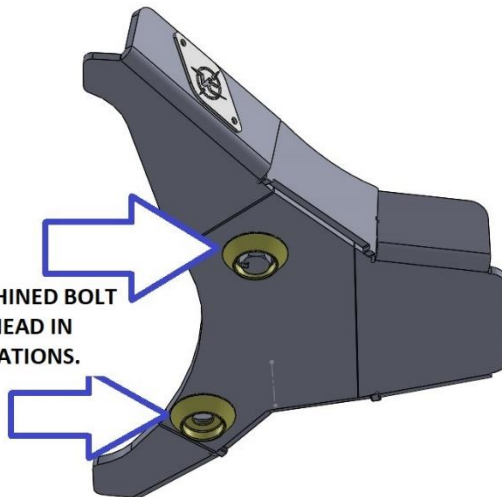


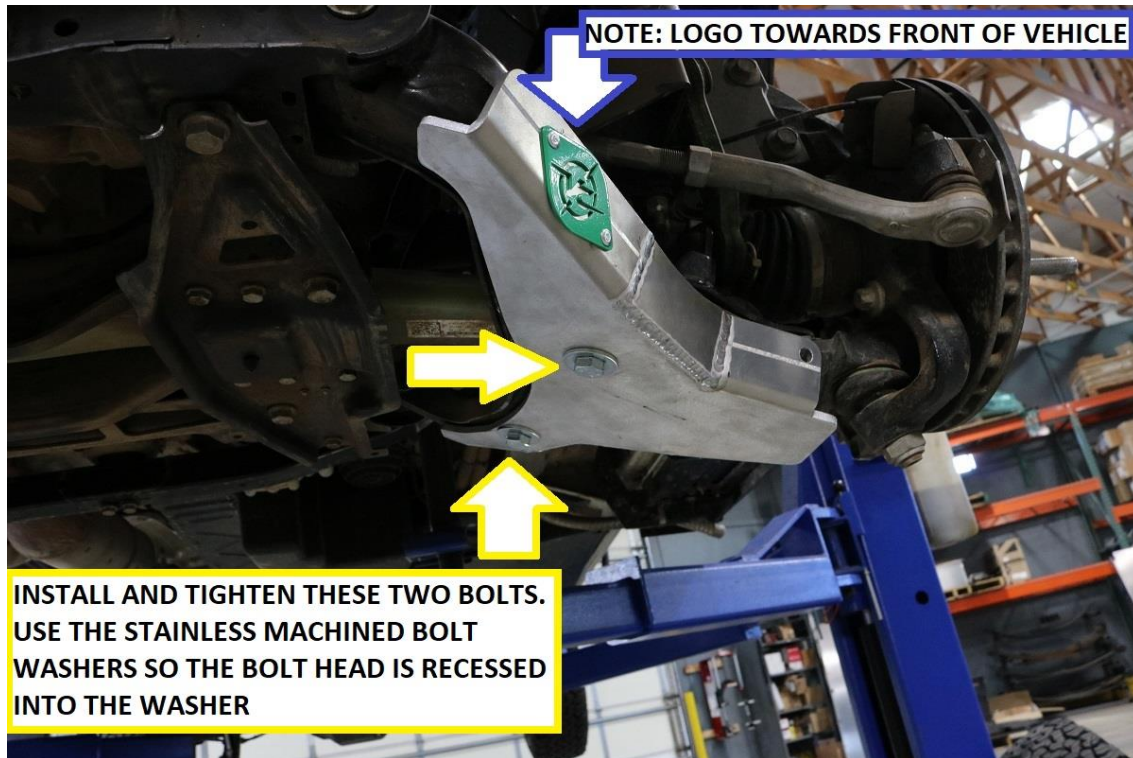
- 5) Fit the lower control arm skid to the bottom of the control arm. The large mounting holes should center over the welded threaded bungs on the bottom of the control arm.
 - a. The skids are right and left specific. The logo plate should be oriented toward the front of the vehicle.
- 6) Hold the skidplate to the bottom of the arm, centered over the threaded bungs and start one of the included M12-1.50 x 16mm long bolts with the stainless bolt washers. Snug this bolt so the control arm skidplate is secure using a 19mm socket / wrench.
 - a. Install the second M12-1.50 x 16mm long bolt with a large oversized washer and torque both bolts to 45 ft-lbs
 - b. NOTE- The bolts will sit at a slight angle prior to fully tightening as the threaded bungs are on a different plane from each other. This is normal and the bolt will still torque properly with the skid plate forming into shape.

HOLD SKIDPLATE SO HOLES ARE CENTERED OVER WELDED BUNGS



**INSTALL STAINLESS MACHINED BOLT
WASHERS UNDER BOLT HEAD IN
BOTH ATTACHMENT LOCATIONS.**





- 7) Repeat installation on passenger side.
- 8) Re-install wheels and tires if removed and torque wheels to manufacturer's specifications.
- 9) Double check all torque specs after 100 miles of driving.

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.