



4026 – 2007-PRESENT, MERCEDES SPRINTER NCV3, AIR SYSTEM MOUNT

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 is a bolt on air compressor / air tank mount that can be installed with simple hand tools.
- This bracket is designed to fit a Viar 2.0 Gallon air tank (Part Number: 91022) and most single Viar air compressor up to a 450H in size.
 - The Viar 2.0 gallon tank is also compatible with ARB compressors; CKMA12 or CKSA12
 - An ARB Twin Air Compressor (Part Number: CKMTA12) can be mounted to the bracket if no air tank is desired.
- This bracket installs in the location where the factory auxiliary battery is mounted under the hood. If the vehicle is equipped with the factory auxiliary battery, the battery will need to be relocated and the battery mounting bracket needs to be removed from the vehicle.
- These instructions cover installation of the air compressor mounting bracket as well as document mounting of a Viar 2.0 Gallon air tank (Part Number: 91022) As well as a Viar 450H Compressor (Part Number: 45042)
 - These instructions do not cover how to wire and plumb the air system in the vehicle. Refer to the wiring instructions included with your compressor for proper wiring and plumbing of air lines.

Parts List

4026 – 2007-PRESENT, MERCEDES SPRINTER NCV3, AIR SYSTEM MOUNT

- | | |
|------------------------|--|
| • (1) 402601-01 | MERCEDES SPRINTER NCV3 AIR SYSTEM MOUNT |
| • (1) HC8-4-10 | HEX HEAD BOLT, ¼-20 X 1.0" LONG, YELLOW ZINC |
| • (1) NFC-4 | ¼-20 FLANGE NUT, CLEAR ZINC |
| • (1) WF8-4 | ¼" GR8 FLAT WASHER, YELLOW ZINC |
| • (2) NPI8-1.25 | NUTSERT, M8-1.25 |
| • (2) HM08-1.25-20-8.8 | HEX HEAD BOLT, M8-1.25 X 20MM LONG, GR 8.8 |
| • (2) WFM08 | FLAT WASHER, M8, YELLOW ZINC |

Tools Needed

- Simple hand tools:
 - Rivnut / Nutsert tool with M8-1.25 insert (For vans not equipped with the factory auxiliary battery), and drill with metal cutting 17/32" or 13.5mm drill bit

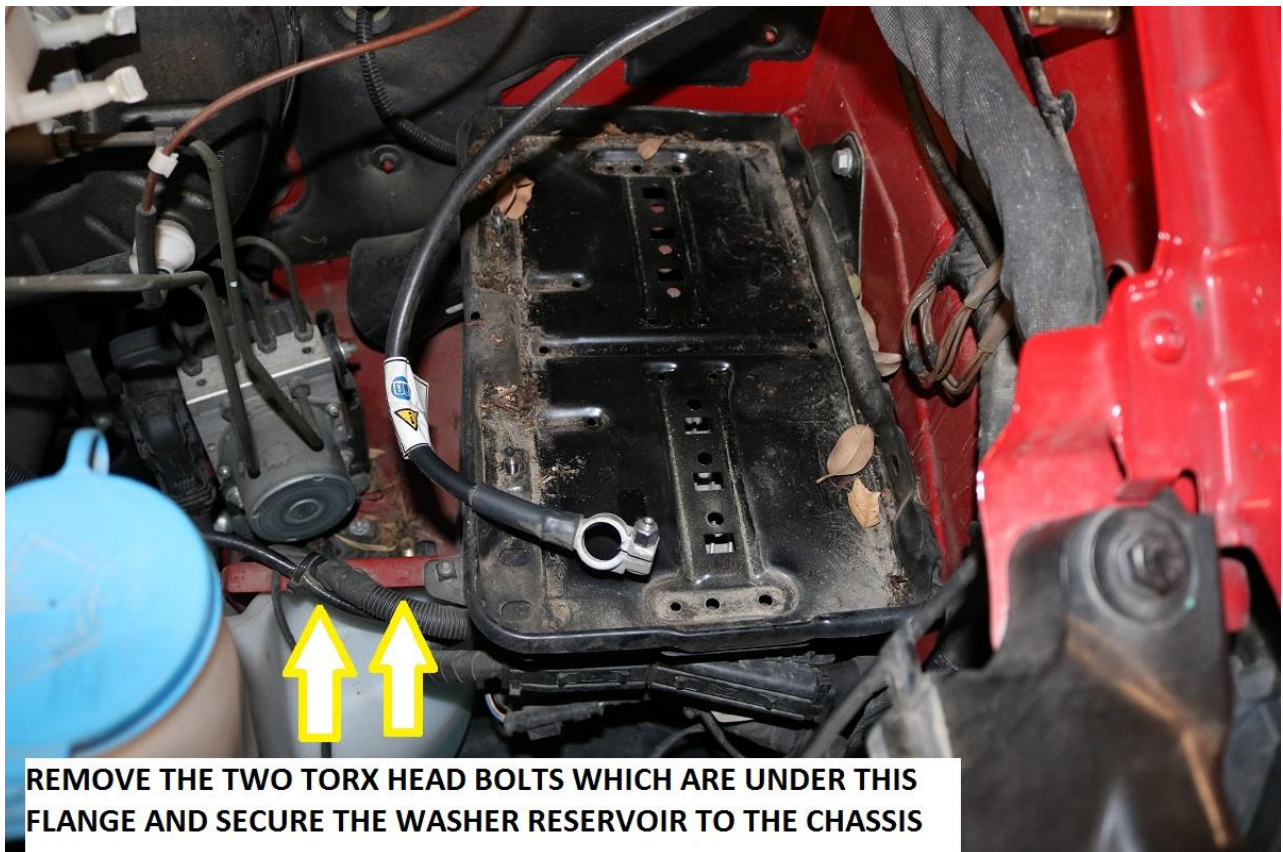
- Basic wrench and socket set:
 - SAE sizes: 7/16"
 - Metric Sizes: 10mm, 13mm
 - Torx bits: T-30

Approximate Installation Time

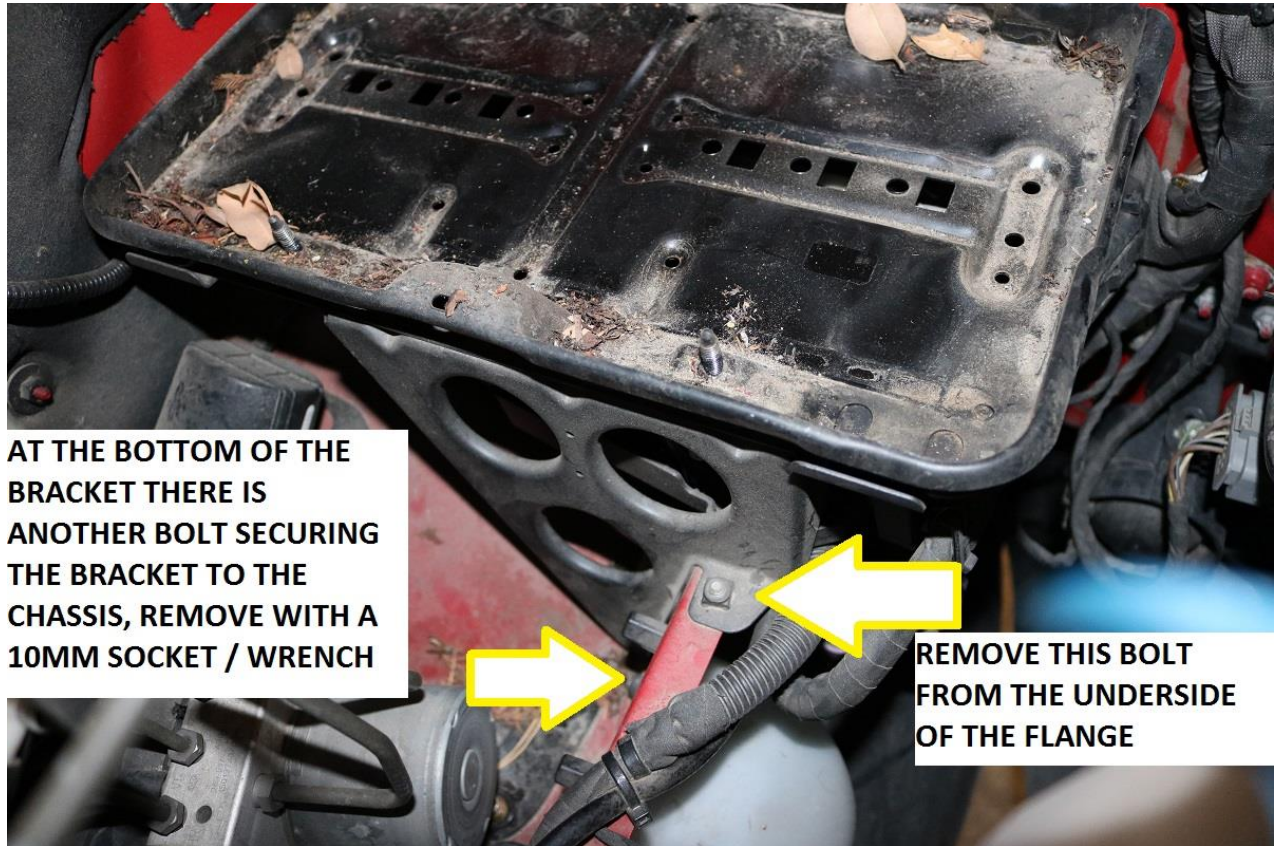
- 1-2 hours

Installation

- 1) If the van is not equipped with the factory auxiliary battery, begin at step 10 now.
- 2) Disconnect the battery terminals from the battery using a 10mm socket / wrench.
- 3) Remove the ground cable completely from the vehicle with a 13mm socket / wrench.
- 4) Position the positive side of the battery wiring out of the way.
 - a. Note, the positive side of the auxiliary battery wiring needs to be removed or dealt with as to not cause a short. We recommend cutting the battery terminal off and heat shrinking the end of the wiring so it is isolated and safely ziptied out of the way as to not contact any metal.
- 5) With the battery out of the vehicle, remove the battery tray by first locating and removing the two T-30 torx bolts securing the windshield washer fluid reservoir to the inner fender well. See image below for reference.



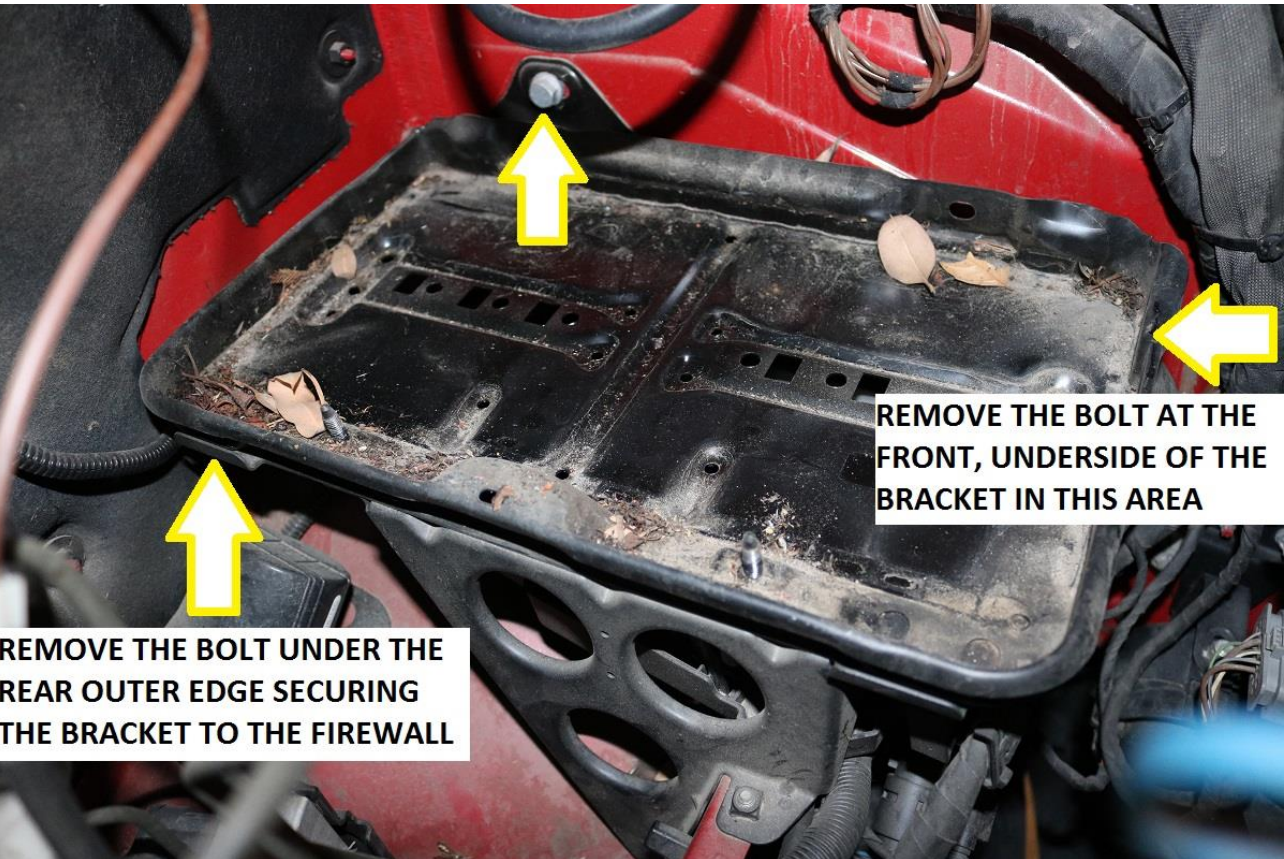
- 6) With the torx bolts removed, the windshield washer fluid reservoir should be moveable and allow access to the M6 bolt shown in the image below.
 - a. Remove both M6 bolts depicted in the image below using a 10mm socket / wrench.



AT THE BOTTOM OF THE BRACKET THERE IS ANOTHER BOLT SECURING THE BRACKET TO THE CHASSIS, REMOVE WITH A 10MM SOCKET / WRENCH

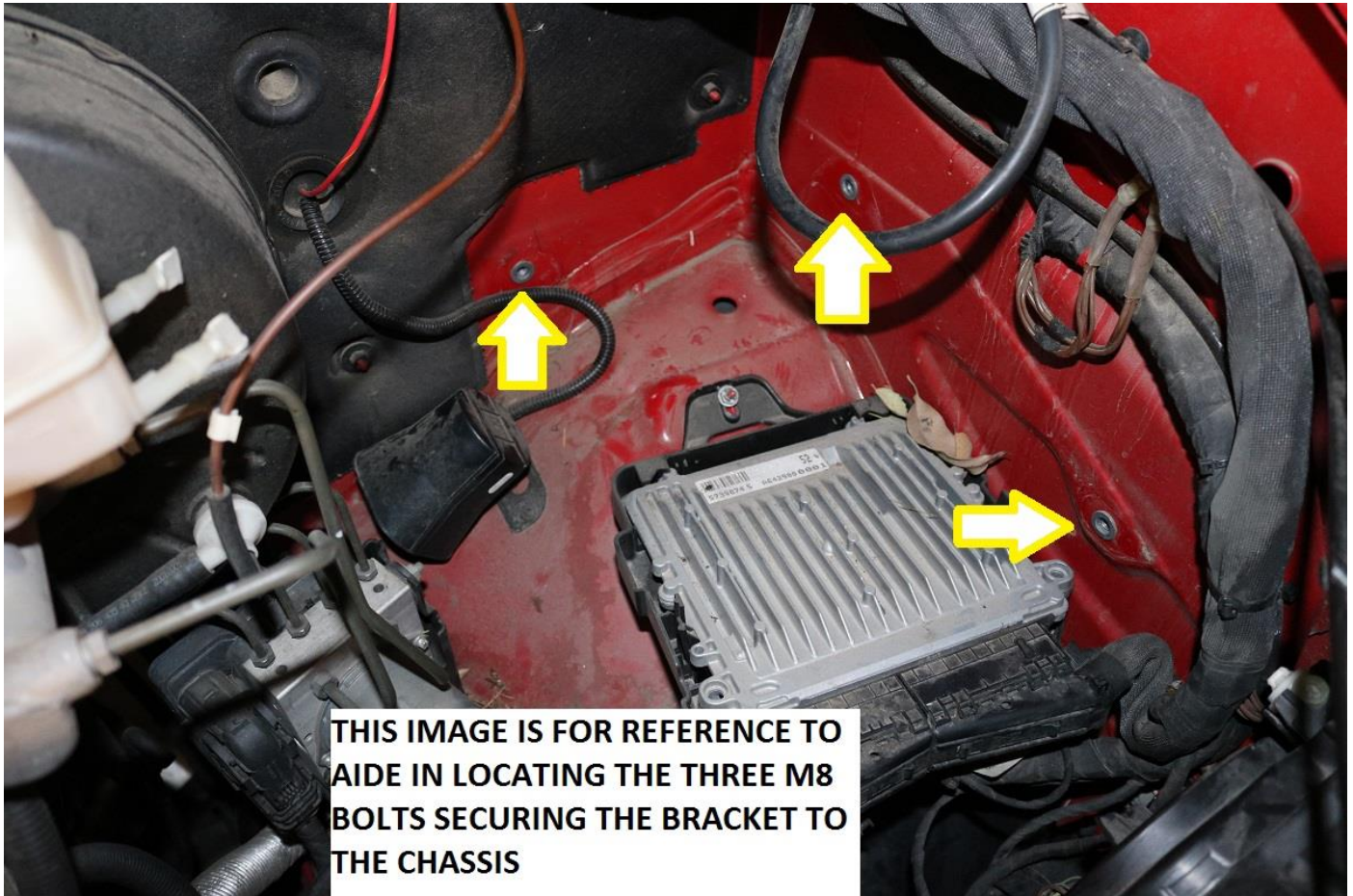
REMOVE THIS BOLT FROM THE UNDERSIDE OF THE FLANGE

- 7) With both M6 bolts removed, you can re-secure the windshield washer fluid reservoir to the vehicle with the two T30 torx bolts removed in step 5.
- 8) Locate and remove the three remaining M8 bolts securing the auxiliary battery tray to the vehicle. Their locations are depicted in the images below. Use a 13mm socket / wrench for removal.

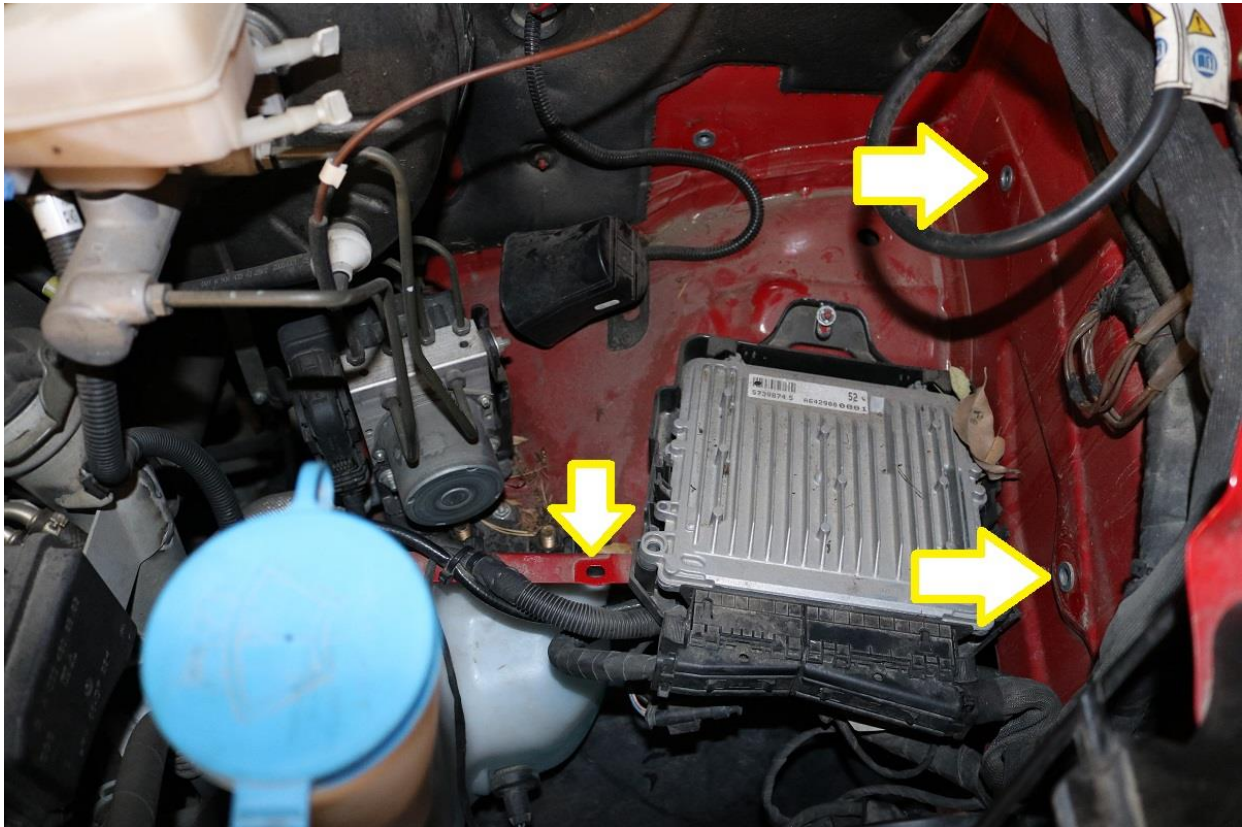


REMOVE THE BOLT AT THE FRONT, UNDERSIDE OF THE BRACKET IN THIS AREA

REMOVE THE BOLT UNDER THE REAR OUTER EDGE SECURING THE BRACKET TO THE FIREWALL



- 9) The auxiliary battery tray can now be removed from the vehicle.
- 10) The air system mounting bracket is designed to utilize the two holes on the inner fender and the slotted hole on the bent flange near the windshield washer fluid reservoir. See image below for reference.

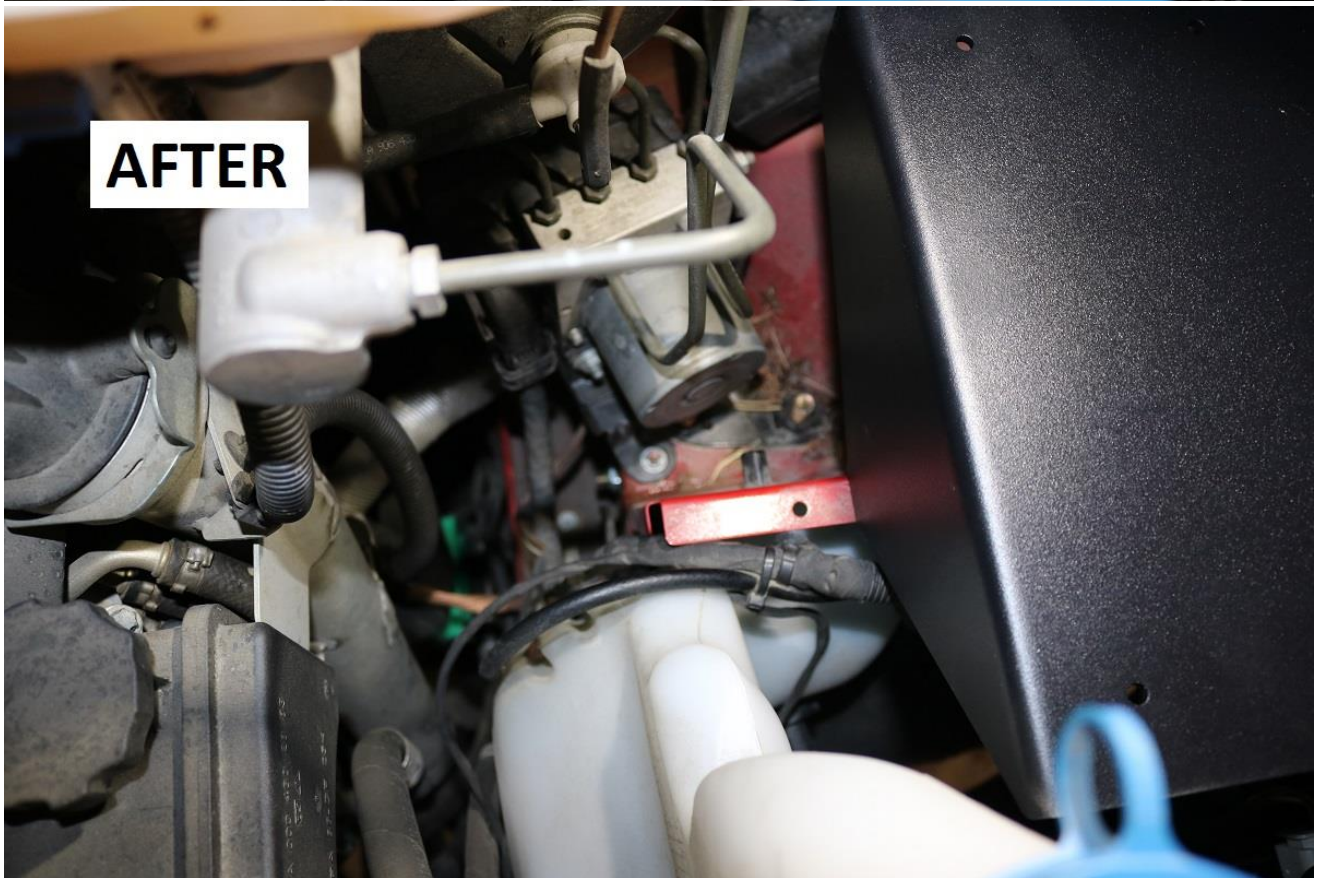


- 11) If the van was not originally equipped with the factory auxiliary battery, the included nutserts will need to be inserted into the holes depicted by the horizontal arrows in the image above.
 - a. Note, the holes may need to be opened up using a 17/32" (13.5mm) drill bit.
- 12) Separate the wiring clip from the chassis that is to the left of the slotted hole near the windshield washer fluid reservoir. See image below for reference.

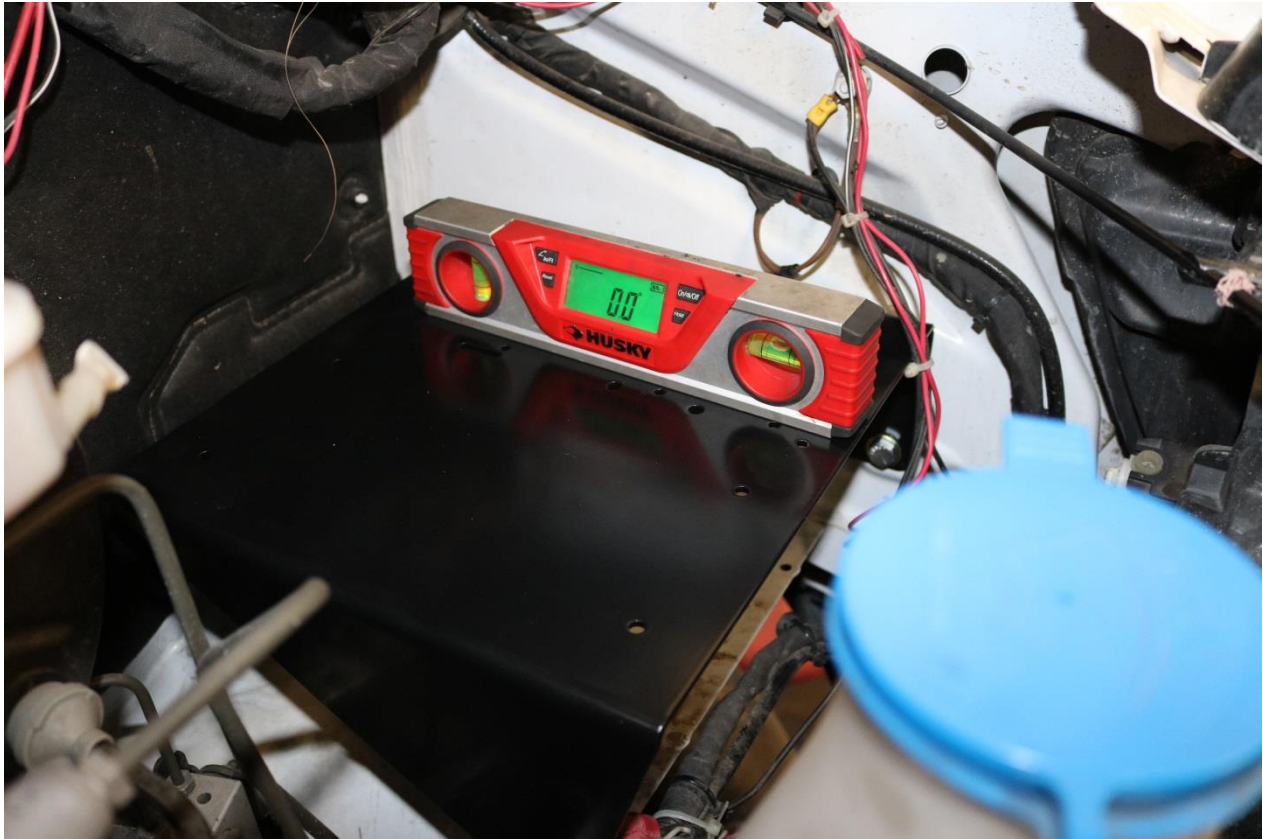


SEPARATE THIS WIRING CLIP FROM THE CHASSIS WITH AN AUTOMOTIVE TRIM REMOVAL TOOL

13) Reposition the wiring to fit between the bend flange and the windshield washer fluid reservoir. See before / after images below.



- 14) Install the air system bracket. Re-use the OEM battery tray hardware or the new included M8-1.25 x 20mm long bolts with a washer under the bolt head to secure the bracket to the inner fender nutserts. Only hand tighten hardware at this point.
- 15) Install the included ¼-20 x 1.0" long hex head bolt with a washer under the bolt head in the slotted hole position near the windshield washer fluid reservoir. Start the ¼-20 flange nut on the underside, again only hand tighten at this time.
- 16) Level the bracket with the chassis and snug all hardware.

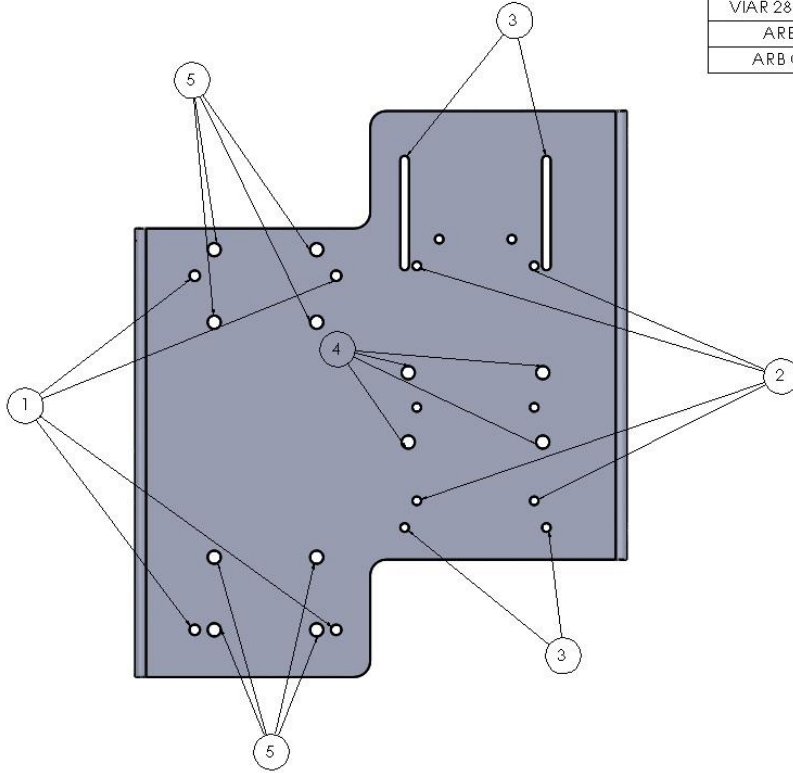


- 17) Fully tighten all hardware. Use a 13mm socket / wrench for the bolts going into the fender area. Use a 7/16" socket / wrench for the ¼-20 bolt. Torque all hardware to 10 ft-lbs (14 N.m)
- 18) Install air compressor first. See reference drawing at the end of the instructions to determine which mounting holes to use for your compressor. If a non Viar or ARB compressor is to be used, some additional holes may need to be drilled into the air system mounting bracket for compatibility.
- 19) Once the compressor is mounted, mount the air tank as shown above. Note, position the dual outlets towards the front of the vehicle for ease of plumbing.



Installation is Complete

ACCESSORY	HOLE NUMBER
VIAR 2.0 GAL AIR TANK	1
VIAR 100C	2
VIAR 280C - 480C / 400H - 450H	3
ARB CKMA12 / CKSA12	4
ARB CKMTA12 (ARBTWIN)	5



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TIME	10:00 AM
BY	D 402601-01 A

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.