



4066 – 2019-PRESENT, MERCEDES SPRINTER VS30, 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 mount that can be installed with simple hand tools.
- This bracket is designed to fit the following ARB and Viar Compressors:
 - ARB Twin Air Compressor: CKMTA12
 - ARB Single Compressors: CKMA12 or CKSA12
 - Viar: 100C, 280C - 480C, 400H - 450H
- This bracket installs in the engine bay on top of the passenger (right hand) fender well location. It will require removal of the passenger front inner fender liner and the intake elbow for the cabin air filter. These instructions will cover removal of both those items; make sure no other aftermarket items have been installed in this location.
- Note; removal of the passenger front inner fender liner can be done with the vehicle on the ground and tire still installed. However, it is easier to remove the fender liner with the front wheel unbolted.
- These instructions cover installation of the air compressor mounting bracket as well as document mounting of an ARB twin compressor (CKMTA12) in a 2019 2WD VS30 Sprinter van
 - 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

4066 – 2019-PRESENT, MERCEDES SPRINTER VS30, AIR SYSTEM MOUNT

- | | |
|----------------|---|
| • (1) 406601 | MERCEDES SPRINTER VS30 AIR SYSTEM MOUNT |
| • (1) HC5-8-10 | HEX HEAD BOLT, ½-13 X 1.0" LONG, CLEAR ZINC |
| • (1) WF8-8 | ½" GR8 FLAT WASHER, YELLOW ZINC |
| • (2) NCC-4 | ¼-20 COUPLING NUT, CLEAR ZINC |
| • (4) WF8-4 | ¼" GR8 FLAT WASHER, YELLOW ZINC |
| • (4) HC8-4-02 | HEX HEAD BOLT, ¼-20 X ½" LONG, YELLOW ZINC |

Tools Needed

- Automotive trim removal tool
- Simple hand tools:
 - Basic wrench and socket set:
 - SAE sizes: 7/16", ¾"

- Metric sizes: 10mm

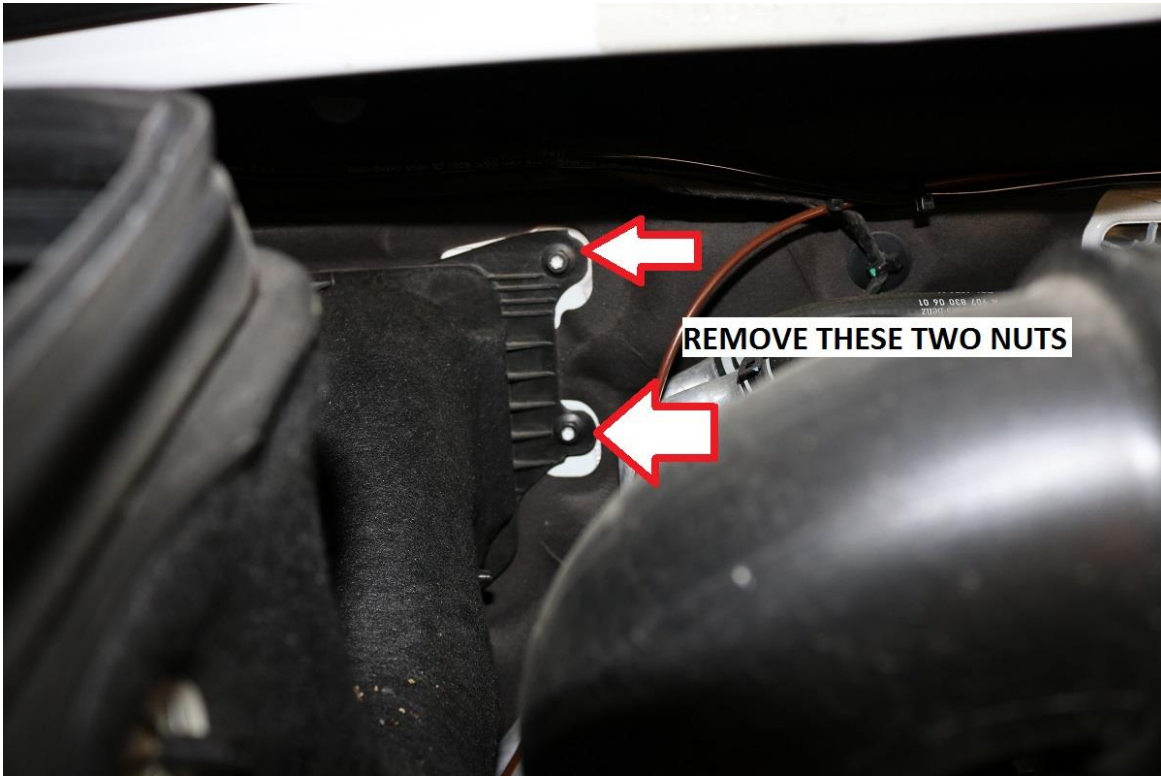
Approximate Installation Time

- 1-2 hours

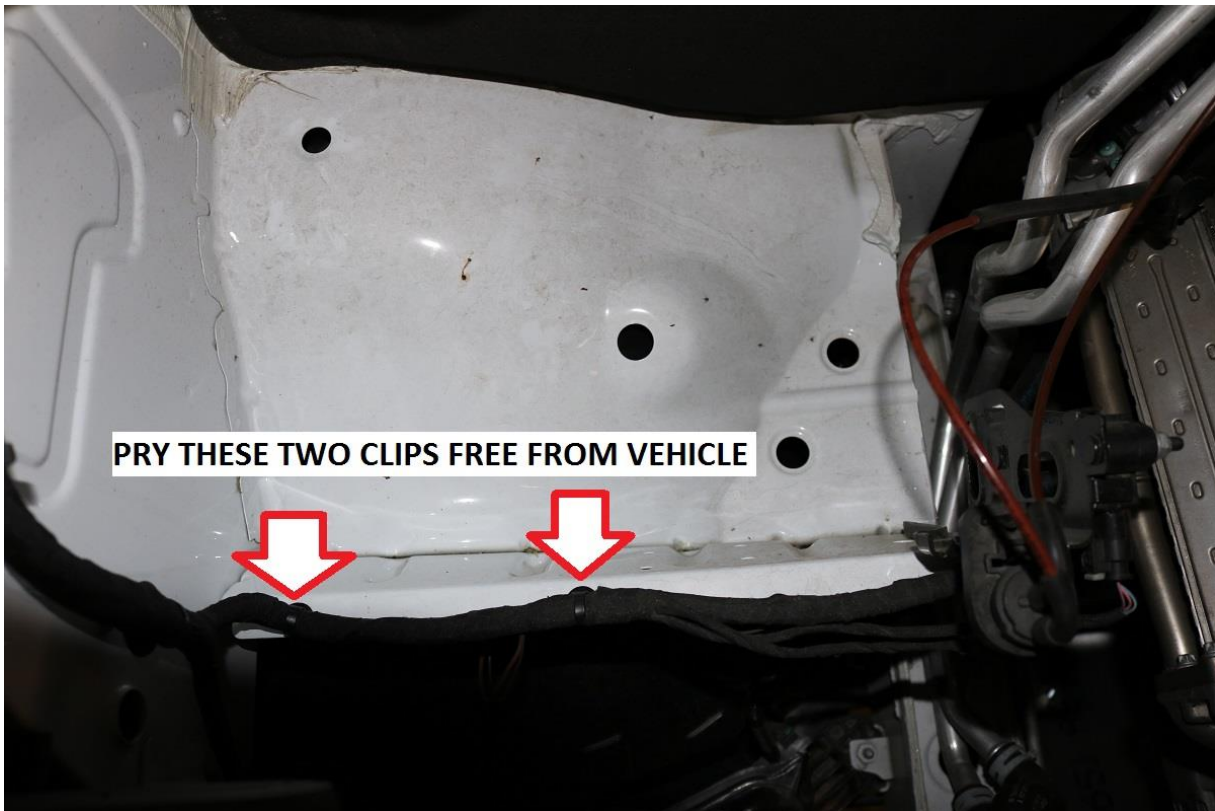
Installation

- 1) Begin by removing the plastic inlet tube for the cabin air filter on the passenger side of the engine bay. Use a 10mm socket / wrench and remove all 4 nuts shown in the images below.

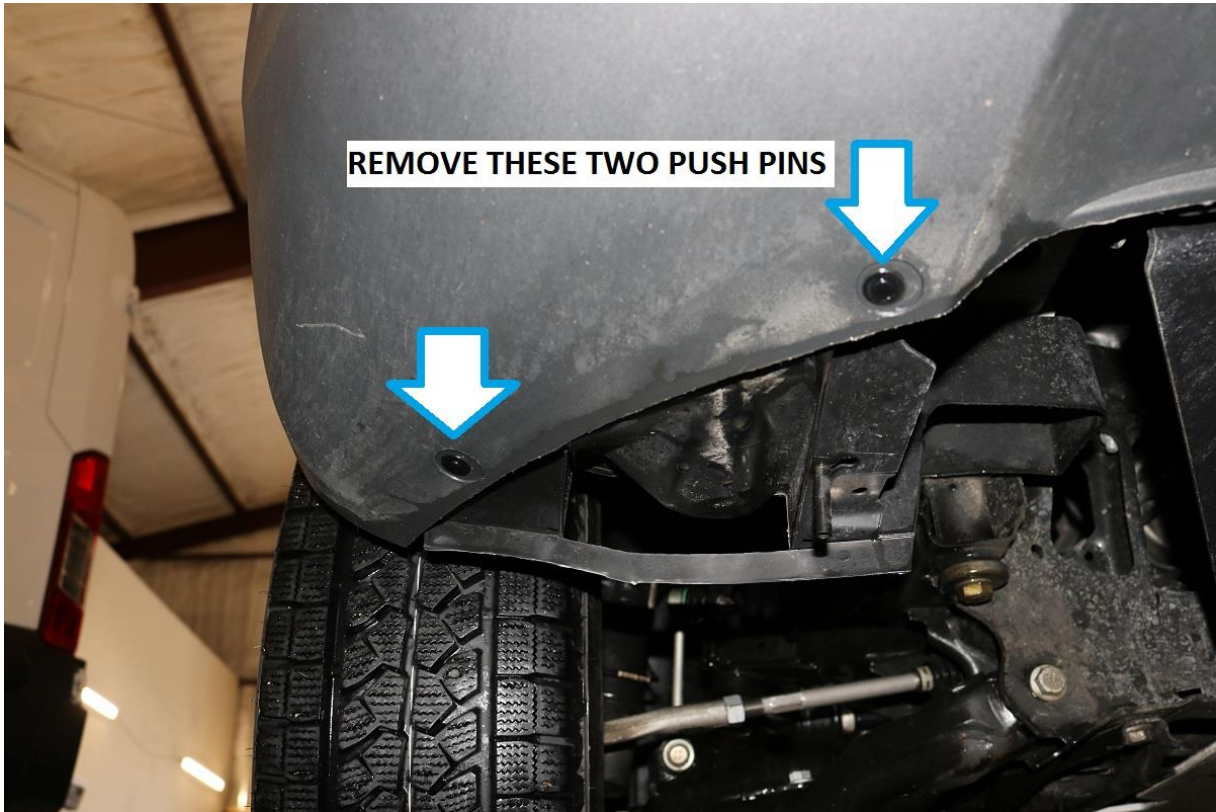




- 2) Remove the cabin air filter intake elbow from the engine bay.
- 3) Next, locate the wiring running along the top of the passenger fender well in the engine bay and separate the two wiring clips from the chassis using an automotive trim removal tool. See the image below for reference.



- 4) Remove the front passenger side inner fender liner by first removing the two push pins located near the front bottom side of the bumper. See image below.



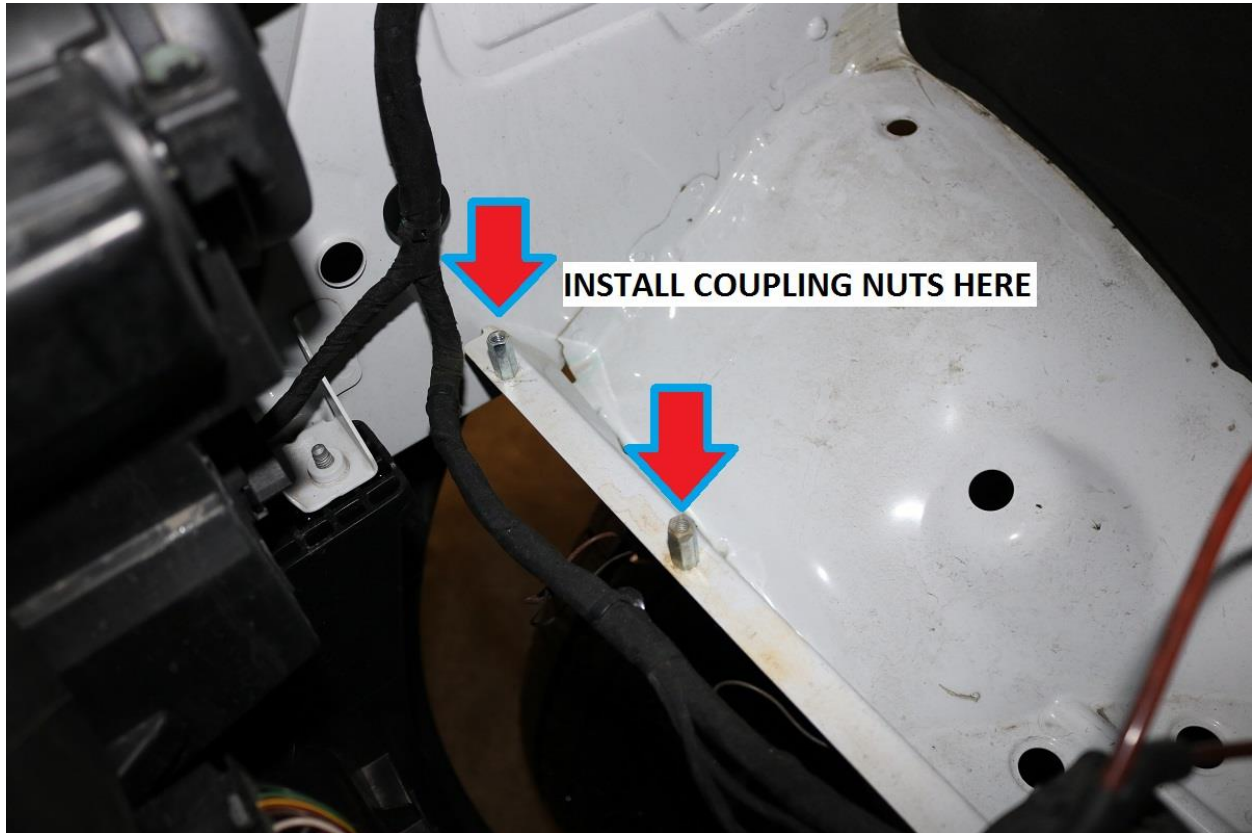
- 5) Use an automotive trim removal tool to pry up under the head of the push pin prior to prying under the body of the fastener to fully remove it.



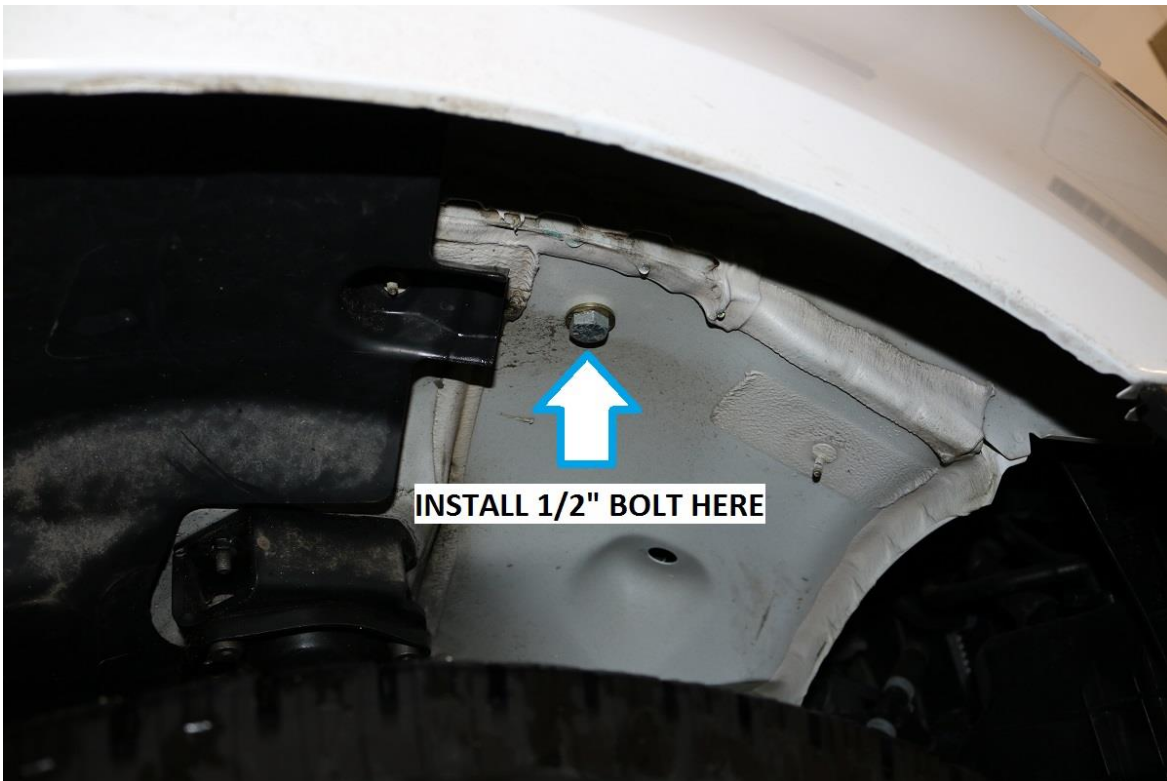
- 6) Next, on the inside of the fender well, remove the three push pin fasteners near the outer lip of the bumper.



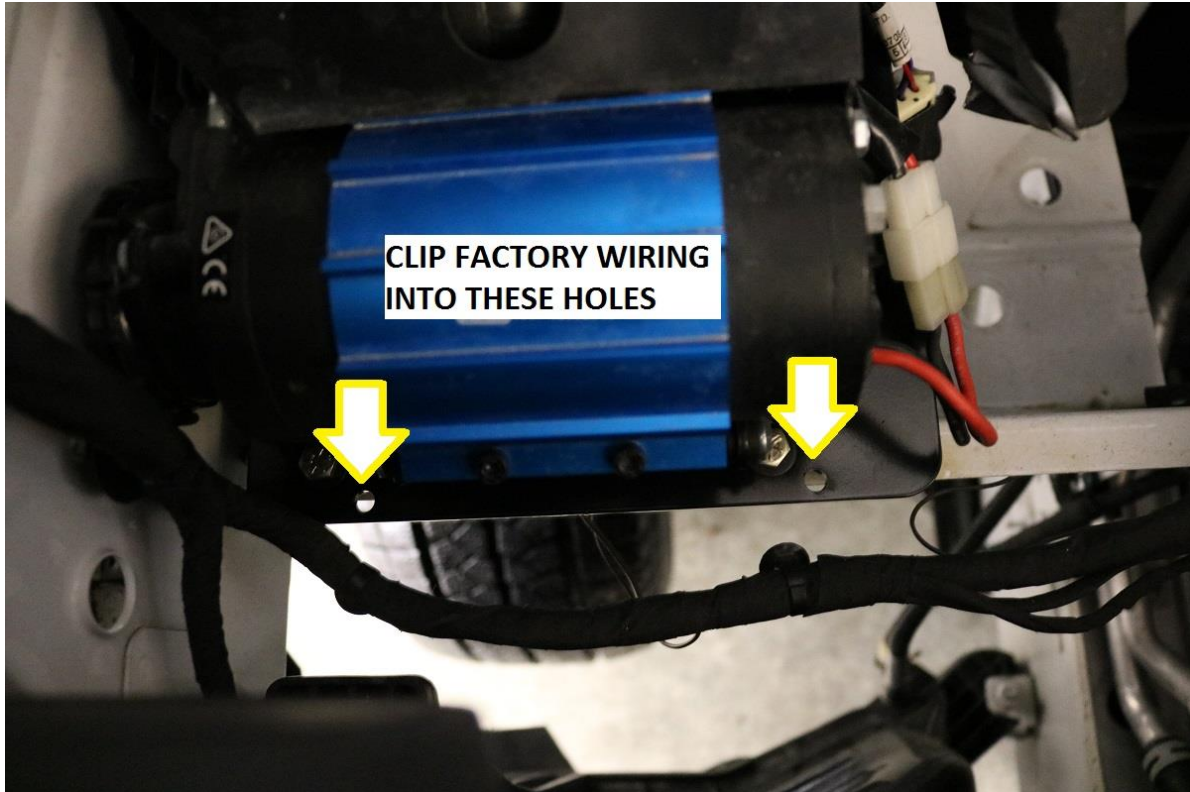
- 7) Locate and remove the four plastic nuts securing the front half of the inner fender well liner to the chassis. Use a 10mm socket for removal.
 - a. Remove the front half of the inner fender liner from the vehicle.
- 8) Install the air compressor onto the mount. See reference drawing at the end of 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.
 - a. Note; the reference drawing is oriented as if looking down on the bracket, installed in engine bay. Large $\frac{1}{2}$ " welded nut should be positioned on bottom towards back left.
- 9) Install the included coupling nuts in the holes where the wiring clips were previously snapped into.
 - a. Install using the included $\frac{1}{4}$ -20 x $\frac{1}{2}$ " long bolts provided in the kit. Be sure to use a washer under the bolt head.



- 10) Fit the bracket, assembled with air compressor into the vehicle. Start the upper $\frac{1}{4}$ -20 bolts into the coupling nuts; use a washer under the bolt heads. Note; these two bolts install into the front slotted holes. Just start these two bolts, do not fully tighten.
- 11) Install the included $\frac{1}{2}$ -13 x 1.0" long bolt into the welded nut on the air compressor mount from inside the fender well.

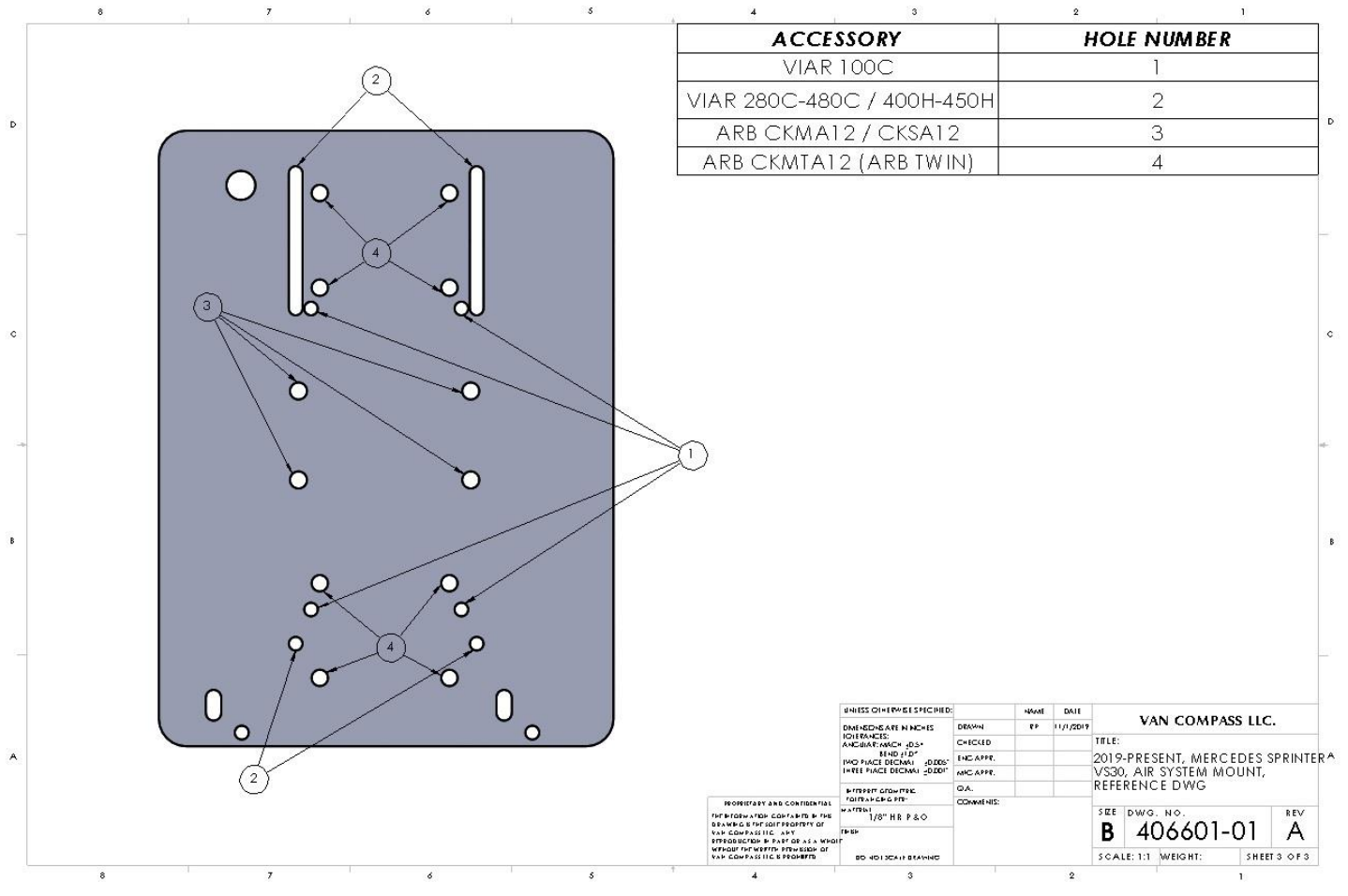


- 12) Once all hardware is started, fully tighten the ½" hex head bolt using a ¾" socket / wrench. Torque to 30 ft-lbs (40 N.m)
 - a. Tighten the ¼" hardware to 10 ft-lbs (13 N.m). Use a 7/16" wrench to tighten.
 - i. Note the coupling nuts may want to spin during final tightening. Hold the coupling nuts with a 3/8" wrench to prevent spinning.
- 13) If desired, snap the factory wiring clips into the front two mounting holes in the air compressor mount.
 - a. Make sure the wiring doesn't contact the compressor as the compressor will get hot during use.



- 14) Re-install the front half of the plastic inner fender liner in the reverse order of removal.
- 15) Installation is now complete; refer to the air compressor manufacturer's instructions for final wiring and plumbing of the air system.

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 and 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.