



AMERICAN ALUMINUM
ACCESSORIES, INC.

2021 Tahoe K9 Platform

Assembly/Installation Instructions

American Aluminum

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Please read and fully understand assembly instruction before installing the unit

For Assistance Call 1-800-277-0869

Please review and double check the unit's Inventory checklist to make sure all components are included

⚠ WARNING

READ ANY AND ALL INSTRUCTIONS BEFORE CONDUCTING INSTALL / REPLACEMENT

FAILURE TO FOLLOW INSTRUCTIONS CAN LEAD TO INJURY AND / OR DAMAGE OF PRODUCT

USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT WHEN CONDUCTING INSTALL / REPLACEMENT

CONTACT AMERICAN ALUMINUM /CAMLOCKER AT (800) 277-0869 WITH ANY QUESTIONS BEFORE PROCEEDING

Attention

We have made design changes in order to move the K9 product line forward and to better meet our customers' needs and expectation. This unit will not come equipped with polycarbonate filler parts to protect the trim from the K9.

We have developed a multipurpose attachment that mounts to the window guard and will block the K9 from reaching any of the factory trim as well as allowing the airbag to deploy as an added function a fan can be mounted to the inner portion.



On full platform units a (Fan Guard Shelf) will be mounted on both passenger and driver side window guards. This is a great space that handlers can utilize for storing small light weight items. The downward angle of the (Fan Guard Shelf) also gives a great directional flow of air when equipped with a fan and the K9 is hot and lying prone utilizing a fan.



Prior to starting the install the supplied rubber bubble trim should be installed on the bottom of the pan feet and the outside edge of the wings on the back partition.



Step #1 Installing the Pan

Prior to Installation, first remove seating from the rear compartment. Add mounting brackets to front and rear seat bolts holes with OEM Torx bolt at passenger and driver entryway. Then cut the studs for the jack mount to avoid interference with the pan. The black seat guide stud well also need to be removed by unscrewing it from the stud.



The pan bracket should be placed so the angled end is facing the rear of the vehicle and angled inwards to the center on the vehicle.



Cut jack mount stud

Unscrew black seat mount guide

NOTE: If installing door pop system the ball stud should be attached to the pan bracket before installing pan into vehicle.

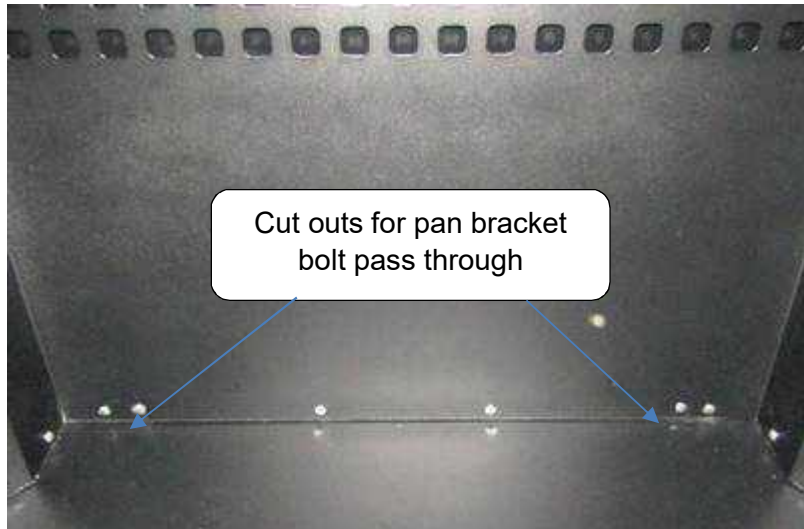
Now you are ready to install the pan. You will need 4 ea. 1/4" x 5/8" Phillips bolts, 8 ea. flat washers, and 4 ea. locknuts. These will attach the front and rear of the pan to the mounting bracket.



Bolt through pan at front and rear where corresponding holes line up with pan brackets using a washer on both the pan and bracket sides

Step #2 Installing the Back

Once the Pan is installed find the K-9 Back and set it on top of the pan in front of the 2" lip and line the predrilled holes of the back with the nut inserts in the back lip of the pan. This will use 10 ea. 1/4" x 5/8" Phillips bolts with washers.



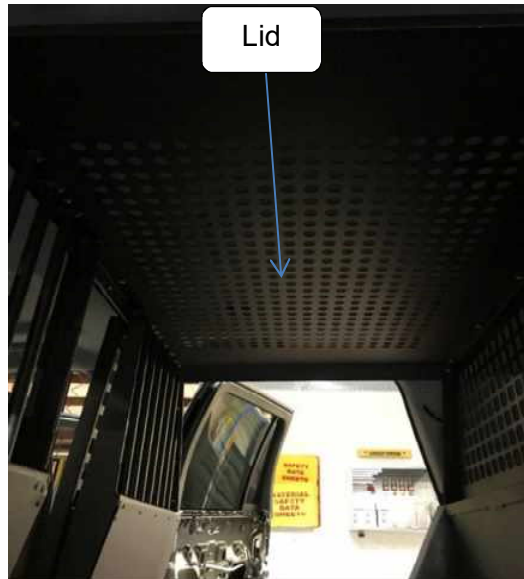
Step #3 Installing the Front

Position the K-9 Front on the front of the Pan behind the 2" lip with the door facing the front of the vehicle. Align the predrilled holes (nut inserts) of the front with the holes in the pan and fasten them together with 4 ea. 1/4" x 5/8" Phillips bolts with washers. Bolts are on the outside of the cage.



Step #4 Installing the Roof

Install the roof (canopy) on top of the unit. The Front and back will have predrilled holes that line up to the holes in the canopy. Use 8 ea. 1/4" x 5/8" Phillips bolts and locknuts in all predrilled holes on the top front and rear.



Step #5 installing the rear aluminum wing

The rear aluminum wing will be installed with 6 ea. 1/4" x 5/8" Phillips bolts and washers. The lower 4 will bolt into pre-installed nutserts. The mounting point in the upper inside corner will bolt through the wing, back and lid with a washer on both sides and a locknut.



Start the bolts in the sequence numbered for ease of installation.

Do not tighten any of the bolts until they are all started.

Step #6 installing the upper mounting brace

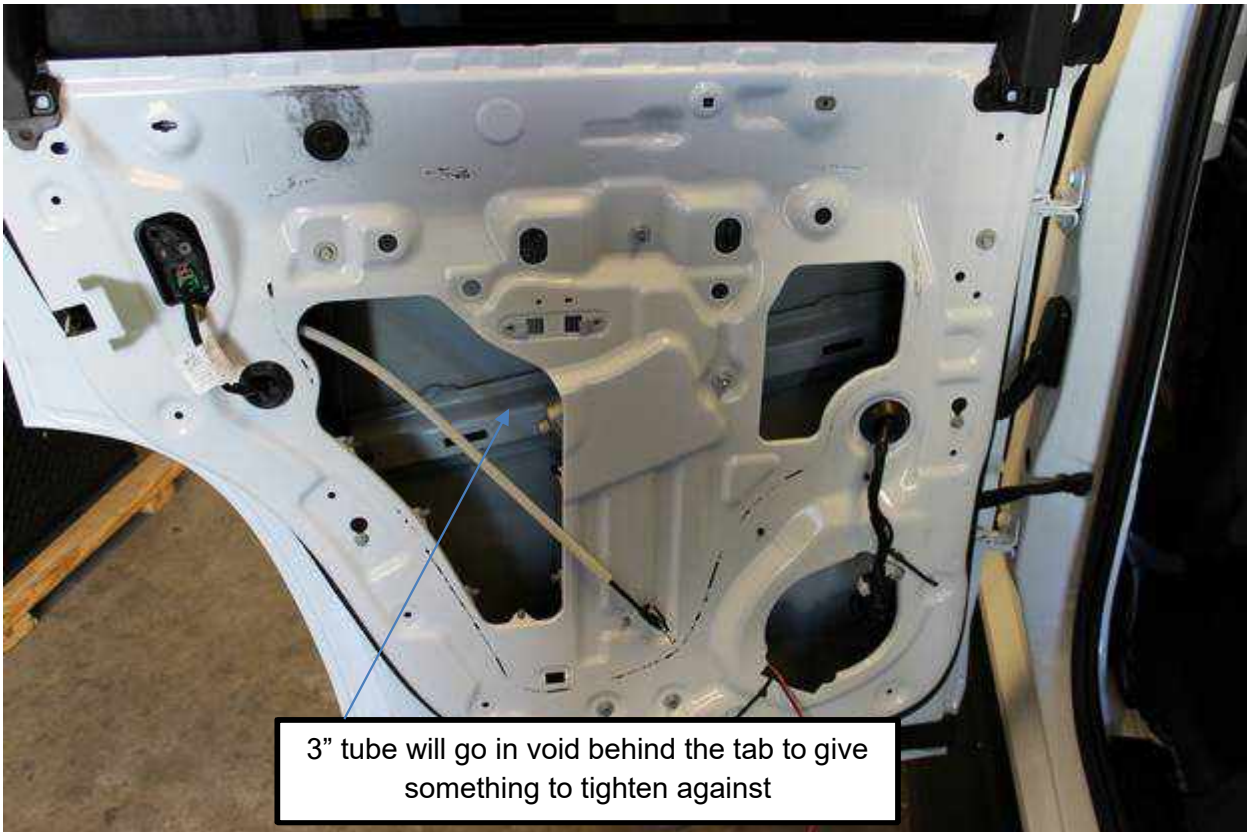
Now that everything is in place you can now install the upper mounting brace. You will need to remove the hook/hanger cover in the headliner on each side. The brace will then be attached using the provided metric bolt into the headliner mounting point. Once you have the bracket clamped and drilled secure the bracket using 1 ea. 1/4" x 5/8" Phillips bolt and locknut



Clamp the bracket to the front angle and drill through making sure to go between the vertical bars.

Step #7 Removing the Factory Door Panels

Remove the factory Door Panels. Remove the door handles and any other protruding objects such as locks.

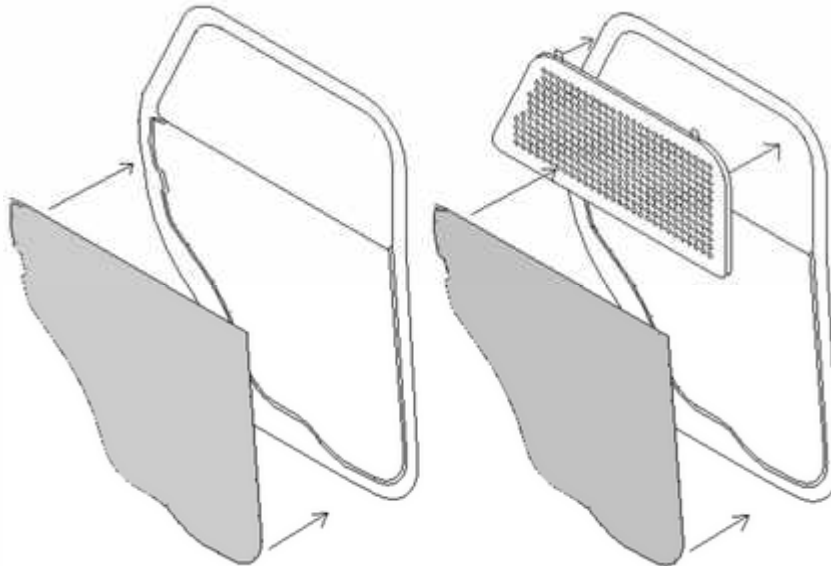


3" tube will go in void behind the tab to give something to tighten against

Step #8 Installing the Door and Window Panels

Position the door trim panels as shown in the below diagram. Using the Predrilled holes as a pattern mark the vehicle door frame for pilot holes that will be drilled. **Only drill one on each side for now just to hold door panel in place**

(After you have two screws holding the door panel in place, set the window guard and check for proper alignment. The window guard will be hinged to the door panel once both are set with proper alignment.)



Once you have the Window Guards and Door Panels set with proper alignment. Check the holes that were marked for the door panel (Remark them if necessary) and drill the pilot holes using a 9/64" drill bit. Now fasten the door panel to the door frame using #8 x3/4" screws. Set the window guards in place and connect the hinge that comes attached to the window guards to the door panels with 11 ea. #8 x 3/4" screws for hardware kit. Now drill a pilot hole for each of the tabs on the window guard and fasten them down using the supplied # 8 x 3/4"Phillips Head screws. See picture below for completed door and window panels.

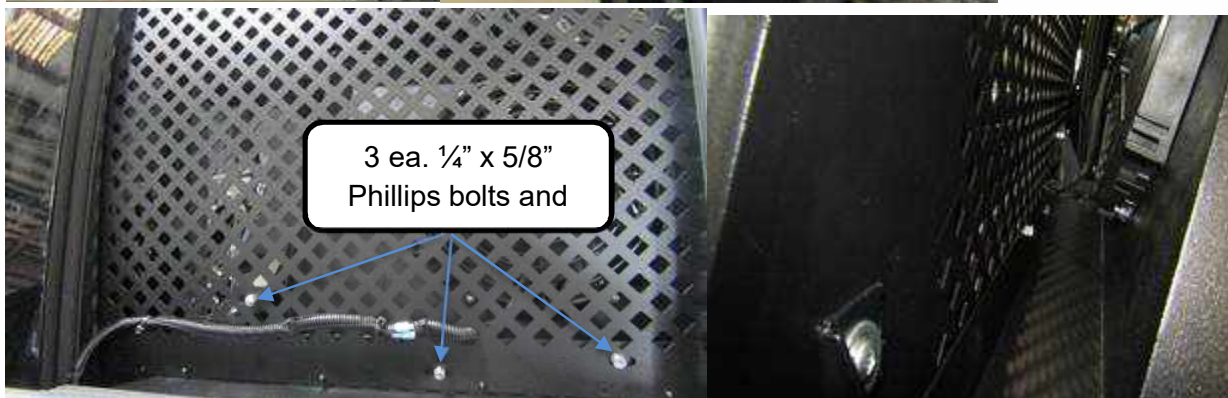
Attention!

If a Coolguard system with rescue is NOT being installed on the unit black rivets are provided to fill the prepunched holes at the lower hinge side of the door panel.

Step #9 Installing the Fanguard Shelf



The angled most side of the fan guard shelf will face the latch side of the door and will attach through three corresponding slotted holes on the window guard to allow for proper alignment when installing. Using 3 ea. 1/4" x 5/8" Phillips bolts and lock nuts loosely mount the fan guard shelf and close the door to make sure it does not interact with the K9 cage. Now that the alignment is correct



Step #10 Installing the Rubber Mat

Lay the rubber mat on top of the Pan.



Rubber pan mat must be completely dry before laying it on the pan after every wash to prevent water damage to the powder coat on the Pan