



AMERICAN ALUMINUM
ACCESSORIES, INC.

Chevy/GMC IT Units W/ Squish Seat Assembly/Installation Instructions

American Aluminum

www.EZRiderOnline.com

3882 U.S. Hwy 19 South

Perry, Florida 32348

PH: 1-800-277-0869

Fax: (850)-584-8485



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

Required Tools & Material

1, 2 & 3 Compartment Inmate Transport List

Before You Begin

The inmate transport will be shipped completely assembled. Some disassembly will be required to install the unit into the van. Please confirm all accessories including rear & side steps, console box with light & fan switches, van door trim panels and any a/c components are inside your transport unit. Please inspect for any shipping damage. If missing components or serious freight damage has been discovered please call 1-800-277-0869.

Materials & Supplies Needed:

¼" Plywood, Luan or rubber matting 48"Wx120"L

(1- 48x96 1 -48x32 plywood)

1 to 2 tubes of silicone caulking

Tools Needed:

Rubber Mallet

Cordless Impact Driver

Small Pry Bar or Flat Head Screwdriver

3/8 Nut Driver for Self-Tapping Screws

2 (two) C-Clamps or Vise Grips

1/2 Drill & Bit

7/16 Wrench

13/64 Bit

7/16 Deep Well Socket

1/2 Bit

3/4 Deep Well Socket

Rivet gun

3/4 Wrench

Important Notes:

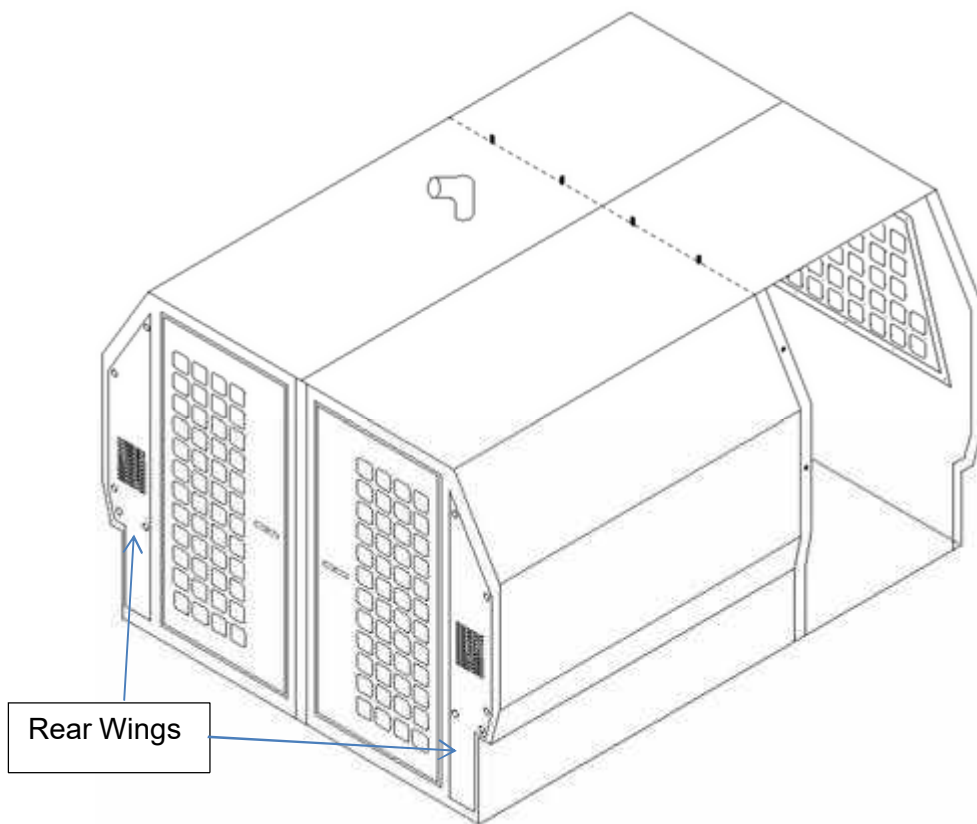
***GM Passenger Vans MUST have seat mounts removed prior to Installation.**

When removing Carriage bolts have someone hold the carriage head side tight against the metal to prevent stripping carriage bolts while they are being removed or reinstalled. In most cases this is a 2 person job

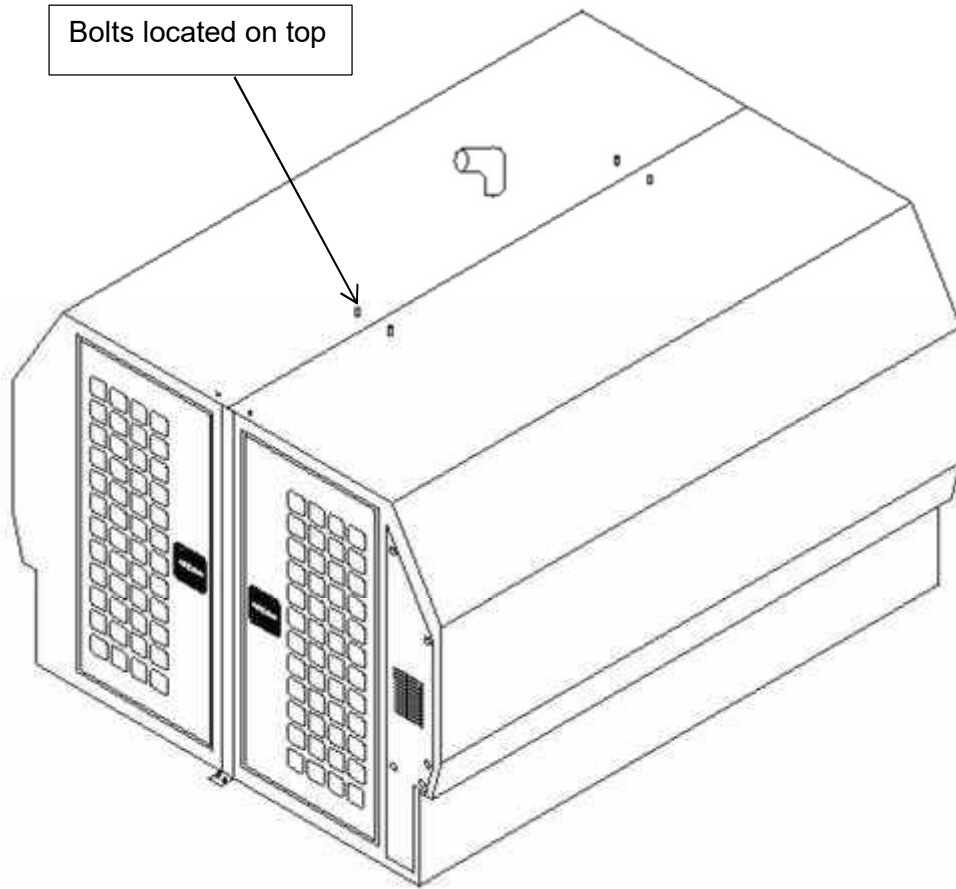
Place ¼" plywood or Luan in the floor of the van starting at the rear edge of the van floor

Step 1: Gather all necessary tools and materials and then remove all accessory components from the Van. Such as: AC covers and other obstructions that will prevent the transport unit from sliding in properly.

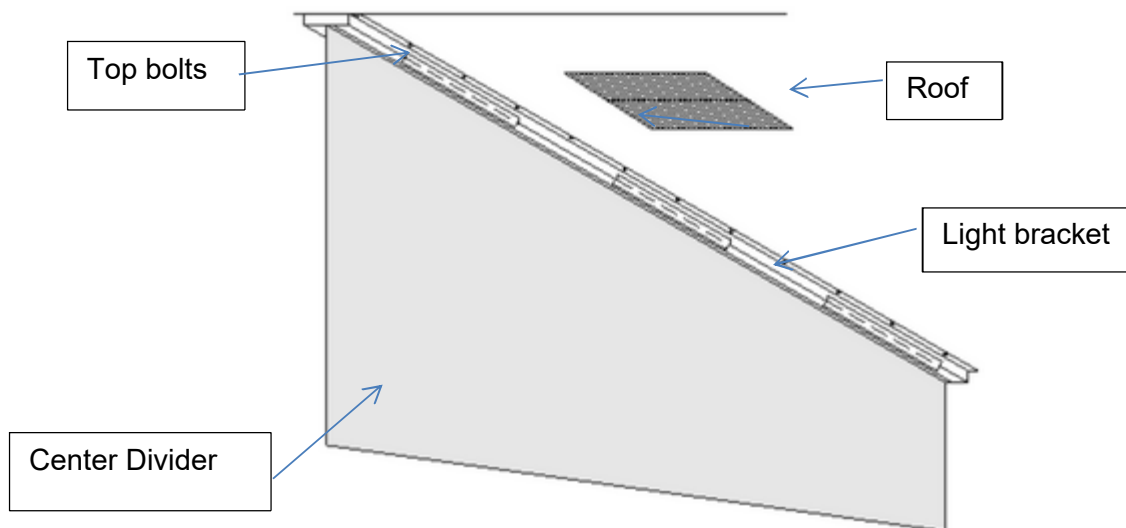
Step 2: Fully remove rear wing panels. They are attached with 3/4" carriage bolts and self-tapping screws.



Step 3: After removal of wing components prepare to remove rear door assembly. Remove bolts and remove door frame component (LEAVE DOORS INTACT IN FRAME).



Step 4: Loosen and remove bolts securing compartment divider (bolts are located on top) remove through rear doors.



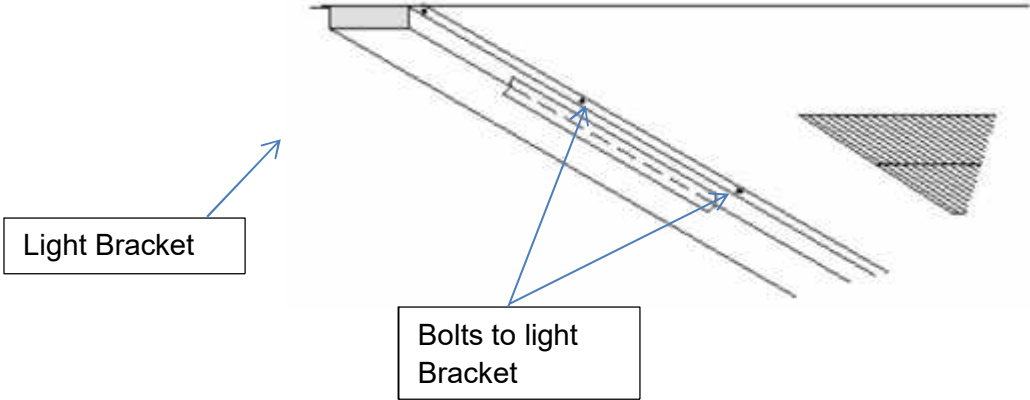
Step 5: When temporarily removing the squish door before collapsing the unit remove the carriage bolts that bolt the squish door standoff to the secondary partition. Some models have screws at the top and bottom of the standoff that also need to be removed before taking the squish door out of the unit. Once the bolts and screws are removed simply pull the squish door out of the unit through the side door. Once the unit is in the van and unfolded reassemble the squish door in the reverse of how it was removed.

NOTE: For the squish door we pre-punched holes in the bench for the door lock on the driver's side. However if the customer needs more holes for a wider range of door adjustment simply drill extra holes using a 9/16" drill bit for spring bolt to lock into place.

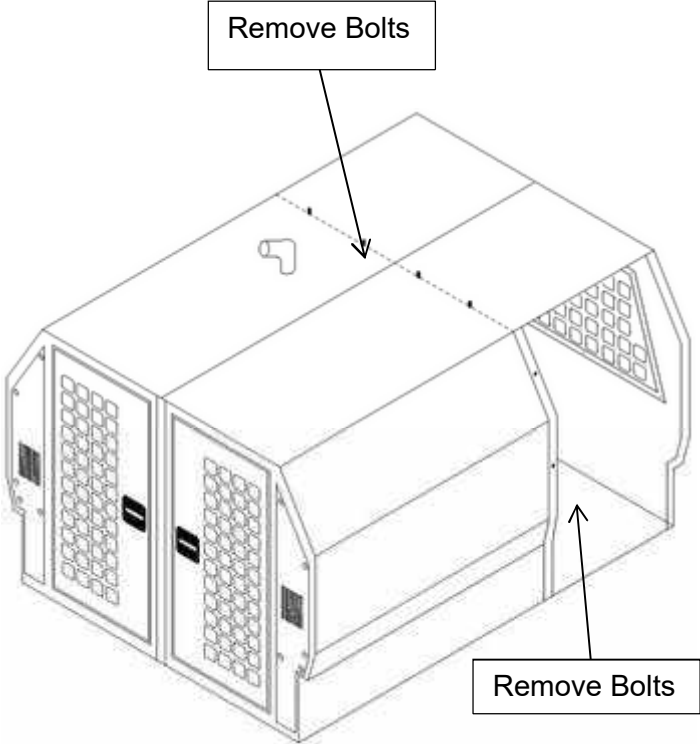




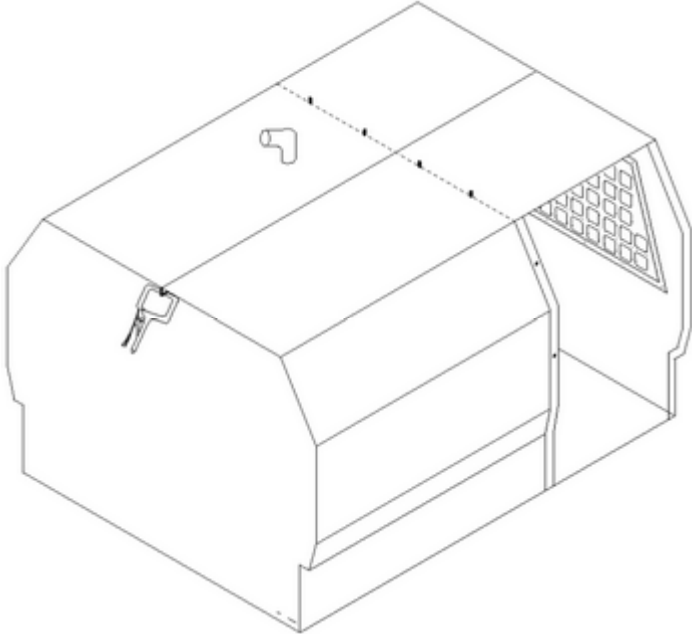
Step 6: Prepare to remove overhead light component. Loosen & Remove light component from unit.



Step 7: Note: remove all bolts that attach the center bulk head (If applicable) as shown below.

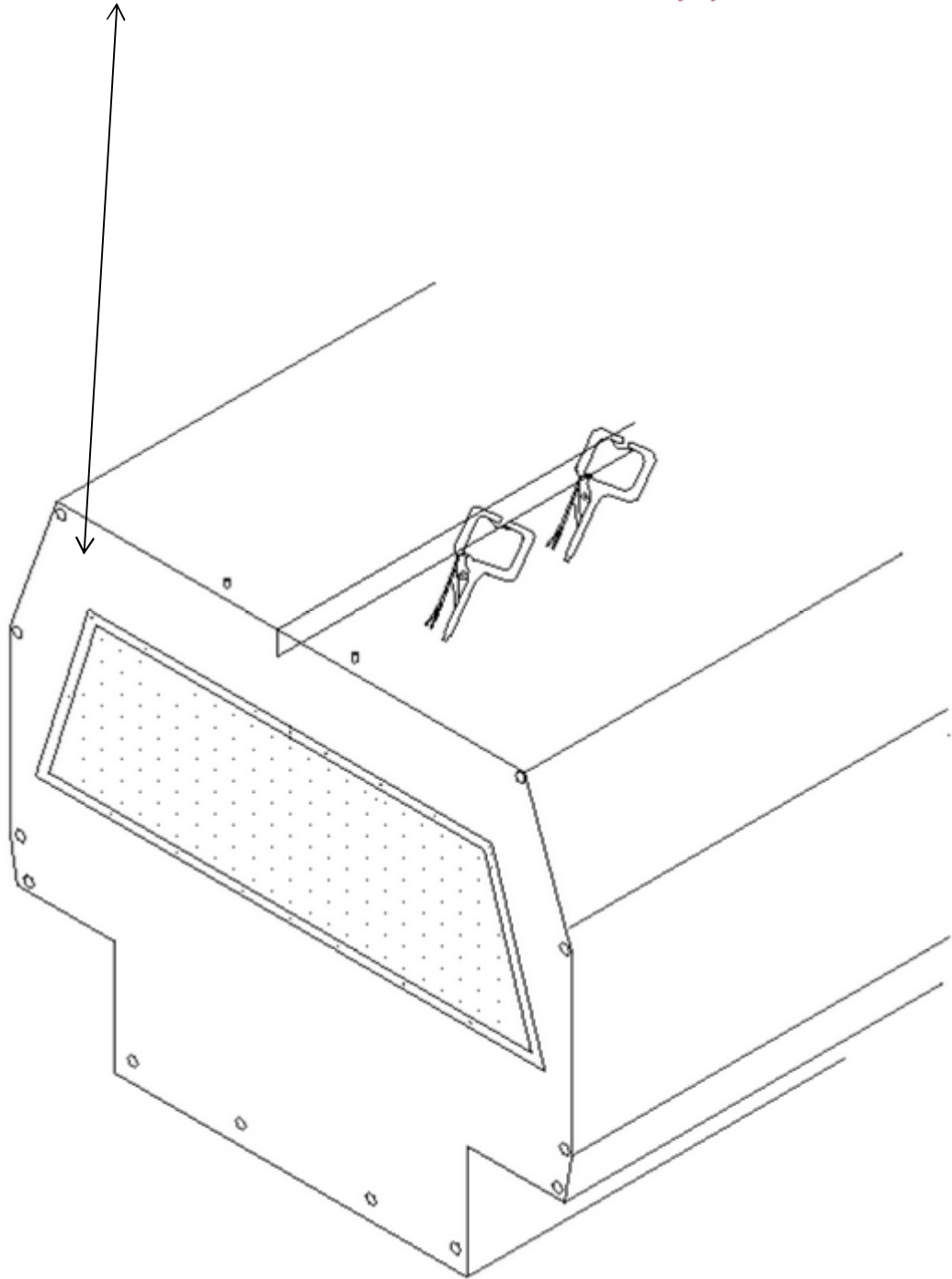


Step 8: Secure the both roofs tightly together using C clamps before removing the bolts (Do not remove bolts at this time).

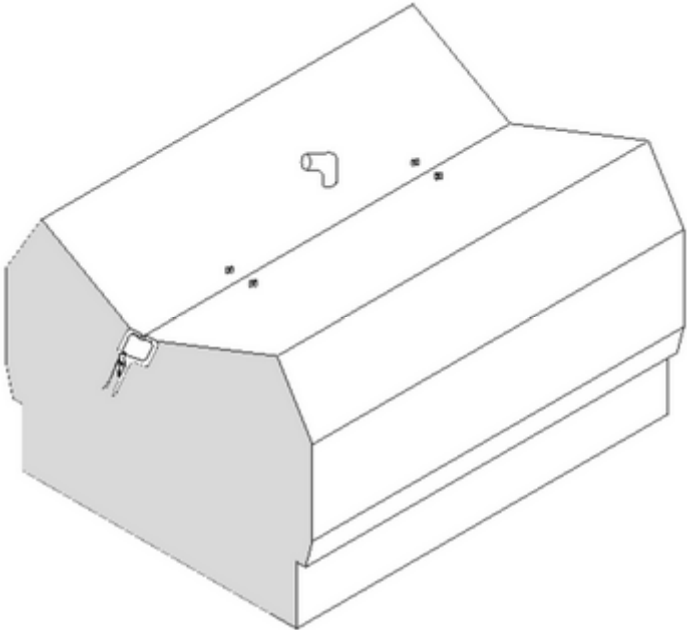


Step 9: Once roof assemblies are secured with clamps, loosen bolts on front bulkhead and remove from unit.

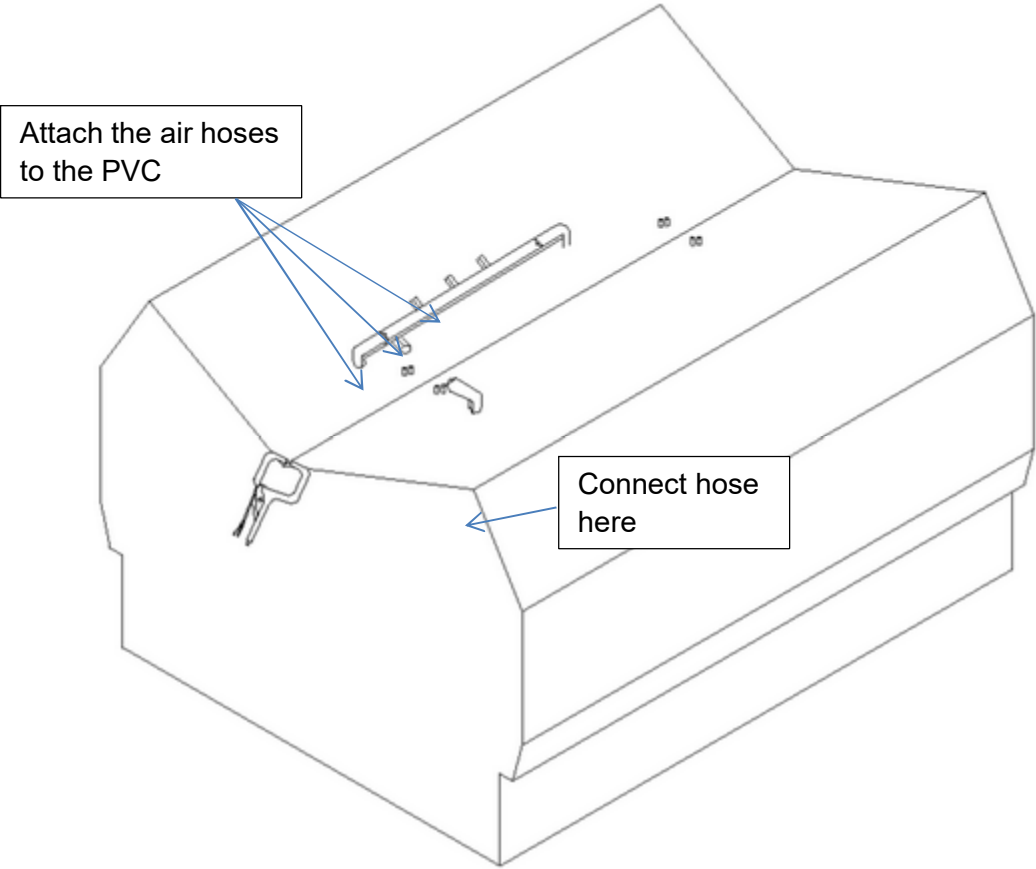
⚠ WARNING Failure to secure unit will result in serious injury



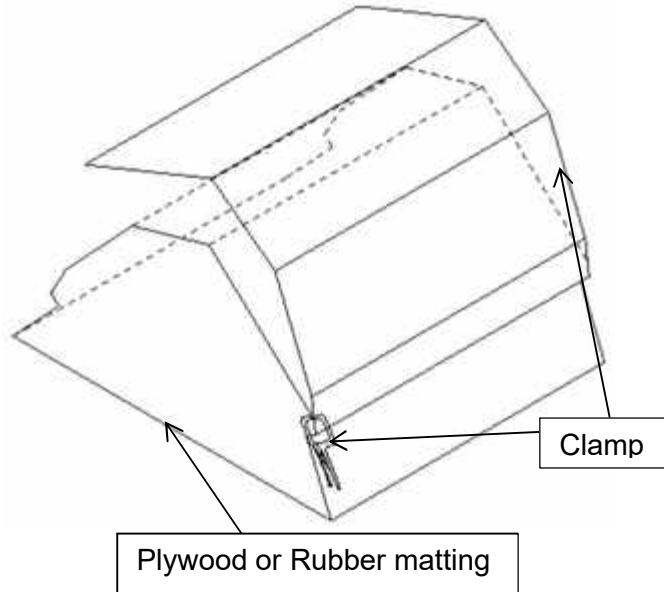
Step 10: Remove front bulkhead. Add another clamp to the rear.



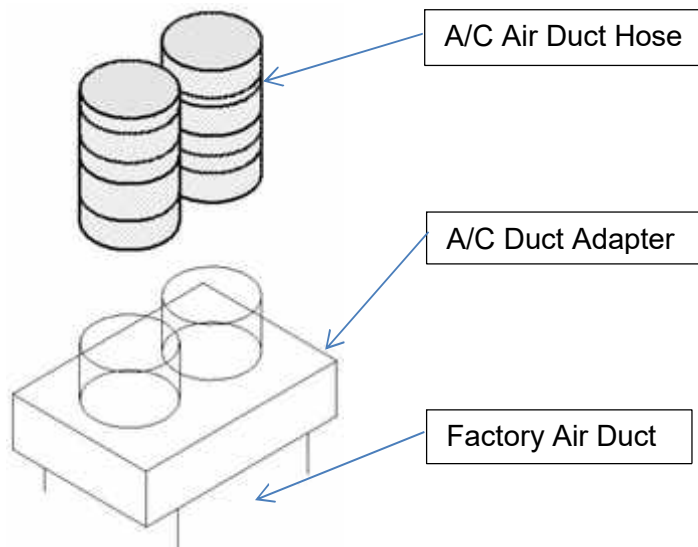
Step 11: Attach the supplied air hoses to the top of the Unit to the 3 PVC Pipes facing the Drivers side (Skip this step if they are already installed).



Step 12A: Remove clamps from roof system CAREFULLY (!!!) Fold passenger side of unit to middle and then fold driver side overlapping passenger side. Secure with clamps. Lift unit carefully and place in van. Attach AC ducts (SEE **STEP12B:**) Release clamps and unfold CAREFULLY (!!!) Lift into place and replace clamps to secure unit.



Step 12B: Attach the A/C Hose to the factory A/C unit.



The 3rd hose attaches to another A/C Duct Adapter that connects to factory air duct on the front of the A/C unit that is on a 45 degree angle.

Use the minimum length of AC duct hose needed to ensure proper airflow. Using more duct hose than necessary will hinder airflow.

Step 13: Reassemble the unit in the reverse process of the disassembly.



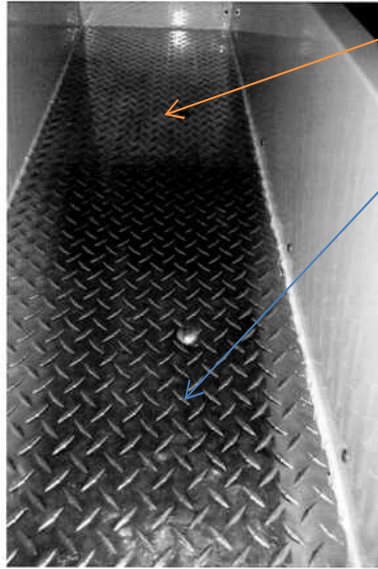
Step 14: *SECURING THE UNIT*

TRANSIT LWB UNITS USE 4 CARRIAGE BOLTS FOR MOUNTING

Mount unit to the floor using the 4 (four) ea supplied Grade 8 4"x1/2" Carriage bolts with lock washers, nuts and backing plates as shown in the following pictures (There are 4 mounting points on LWB vans). ***DO NOT DRILL OR SCREW INTO PREVIOUSLY MARKED WIRING HARNESS IN VAN FLOOR! ALSO INSPECT ALL LOCATIONS BEING DRILLED FOR ANY OBSTRUCTIONS TO PREVENT DAMAGE TO THE VEHICLE***. The mounting locations are not specific. The pictures show approximate mounting locations that must be inspected before being drilled.

****SEE NOTE BY PICTURES FOR MORE DETAILS****

Carriage Bolt Patterns





Carriage Bolts go downward through van and IT unit floor. The Backing plate washer and nut go underneath the vehicle as shown.





May need to pull back heat reflectors in some locations before drilling

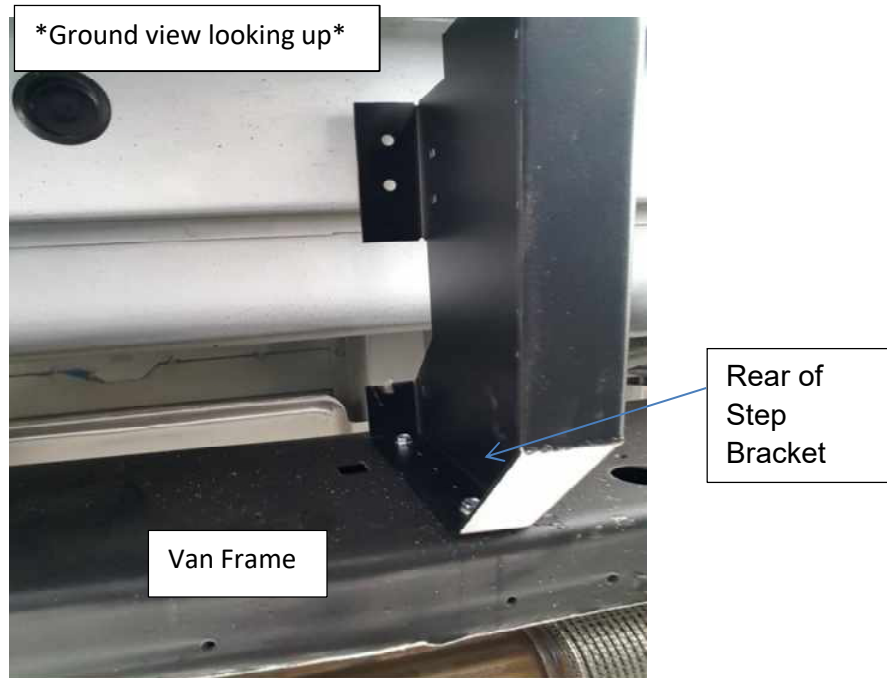
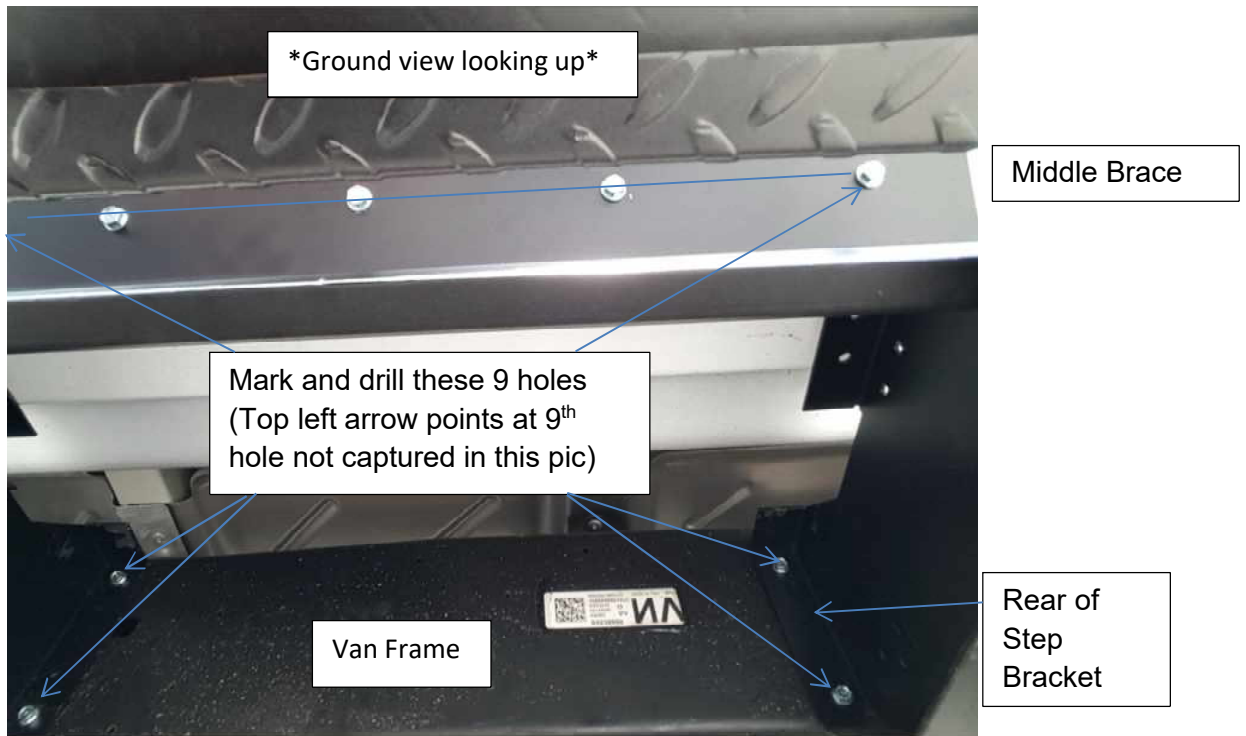


Side Step Installation

Step 1: Align the side step so that it is centered up with the side door of the IT unit. For Passenger vans align the step up in the center of the van doors.



Step 2: Hold the step in place and make sure the rear of the bracket is flat against the frame and the middle brace is touching the van. Mark the drill locations through the pre-punched holes in the middle brace where it touches the van (5 holes).



Step 3: Drill the marks using a 13/64" drill bit.

Step 4: Hold step back in place and attach the middle brace to the van using 5 supplied 1" self-tapping screws.

Step 5: Make sure step is level.

Step 6: Attach the rear of the step bracket to the van frame using the supplied 1.25" self-tapping screws.

Rear Step Installation

Step 1: Place the supplied ½"x 1 1/2" Hex bolts and washers into the 4 holes in the frame near the rear of the van. There are cutouts in the frame that you can use to access the holes in the frame.

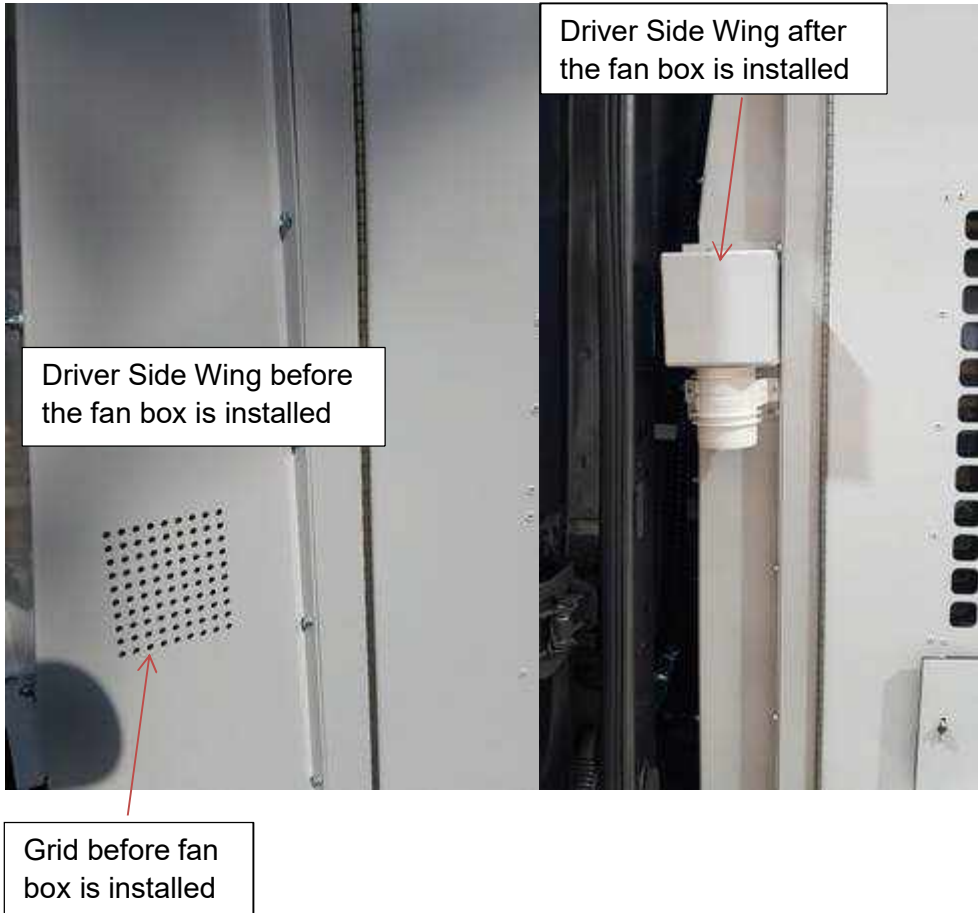
Step 2: With the bolts in place and facing downward hold the frame up to the bolts and align the slots on the top flange of the step bracket with the bolts and use a washer and ½" lock nut on each but do not tighten yet.

Step 3: Pull the step away from the bumper then tighten the rear lock nuts up first. Next tighten the front lock nuts. Double check to make sure all nuts are securely tightened.

Exhaust Fans

When installing exhaust fans to Rear Wings of IT unit: (Rear Wings are the parts with the vent grid pre-punched in them and are located on each side of the rear doors). They are to be installed with the supplied ½" Rivets.

- Place the Fan box over the grid so that it equally covers the grid in wing. Mark and drill the 4 rivet holes using a 13/64" drill bit, unless they are pre-drilled/punched. Rivet the fan box on to the wing.
- Remember these are to pull air out of prisoner transport cage- not to push air in
- When wiring, black is ground and yellow is the wire that needs switched power supplied
- Make sure the air flow arrow is pointed down (to pull air out) and then mount the fan to the box provided



Wording on the exhaust fan housing may be inverted when installed properly, as long as the air flow is pointed away from the cage, it has been installed correctly

