

# INSTALL INSTRUCTIONS KK-100-06 & KK-120-06

## KWIK-KIT PRISONER TRANSPORT INSERT

### FORD and CHEVY VAN PRISONER TRANSPORT

**TOOLS REQUIRED:**

1/4" & 3/8" Ratcheting Wrenches	Awe or Scribe
1/4" & 3/8" Air Ratchets (recommended)	Pry-bar
3/8" Impact Guns (recommended)	Wire Crimping tool
1/4" & 3/8" Standard Socket Sets	Wire Stripping tool
Powered Drill	Wire Cutter
Powered Screwdriver (recommended)	Table/Circular Saw (if necessary)
Drill Bit Set	Utility knife
Tape Measure	Caulking gun
Screwdriver Set	

**HARDWARE - 60" or 80" COMPARTMENT: Some hardware not used in all application:**

<u>QTY</u>	<u>DESCRIPTION</u>	<u>PART #</u>	<u>USED FOR:</u>
80	1/4" Serrated nut	GSM30023	
60	1/4" x 3/4" Carriage bolt	GSM32000	
50	#10 x 1" Phillips pan head sheet metal screw	GSM33196	Floor/wall to ceiling
8	#8 x 3/8" Phillips flat head screw	GSM33179	Vent plates/dome lights
32	1/4" x 3/4" Phillips flat head machine screw	GSM33078	Wall/Bench extension
25	1/4" x 3/4" Hex head bolt	GSM33001	3 <sup>rd</sup> divider, 3 <sup>rd</sup> ceiling
25	1/4" Flat washer	GSM31005	3 <sup>rd</sup> divider, 3 <sup>rd</sup> ceiling
15	1/2" Flat washer	GSM31009	Grab straps/seat belts
15	1/2" Lock washer	GSM31030	Grab straps/seat belts
15	1/2" x 1 1/4" Socket button head bolt	GSM33310	Grab straps/seat belts
4	3/8" x 2" Hex head bolt	GSM33032-1	Bulkheads
4	3/8" Hex nut	GSM30008	Bulkheads
4	3/8" Lock washer	GSM31028	Bulkheads
4	3/8" x 2" Fender washer	GSM31022	Bulkheads
2	White Silicone tube	PRM97343	Seams & Gaps
4	Lock key	PRM97660-1	Doors
4	Vent block off plate	KKM0403-004	Ceiling (vent adapter kit)
2	A/C vent plate	KKM0403-001	Ceiling (vent adapter kit)
2	Dome light	KK-DOME-2	Ceiling

**HARDWARE - 40" COMPARTMENT:**

<u>QTY</u>	<u>DESCRIPTION</u>	<u>PART #</u>	<u>USED FOR:</u>
90	1/4" x 3/4" Carriage bolt	GSM32000	
90	1/4" Serrated nut	GSM30023	

## 40" COMPARTMENT (cont):

<u>QTY</u>	<u>DESCRIPTION</u>	<u>PART #</u>	<u>USED FOR:</u>
40	#10 x 1" Phillips pan head sheet metal screw	GSM33196	Floor, wall to ceiling
25	#8 x 3/8" Phillips flat head screw	GSM33179	Vent plates/dome lights
5	1/2" Flat washer	GSM31009	Grab straps/seat belts
5	1/2" Lock washer	GSM31030	Grab straps/seat belts
5	1/2" x 1 1/4" Socket button head bolt	GSM33310	Grab straps/seat belts
5	3/8" x 2" Hex head bolt	GSM33032-1	Bulkheads
5	3/8" Hex nut	GSM30008	Bulkheads
5	3/8" Lock washer	GSM31028	Bulkheads
5	3/8" x 2" Fender washer	GSM31022	Bulkheads
2	A/C Vent plate	KKM0403-001	Ceiling (vent adapter kit)
1	Dome light	KK-DOME-2	Ceiling

## HARDWARE – DIVIDER:

<u>QTY</u>	<u>DESCRIPTION</u>	<u>PART #</u>	<u>USED FOR:</u>
28	1/4" x 1 1/2" Hex head lag bolt	GSM33062	Divider to floor
14	1/4" x 5/8" Stainless socket button head bolt	GSM33308	Divider
7	1/4" x 3/4" Stainless socket button head bolt	GSM33309	Divider
14	1/4" Stainless flat washer	GSM31048	Divider
10	#10 x 1/2" Phillips flat head machine screw	GSM33072	Door frame to divider
10	#10 Thin nylock nut	GSM330015-1	Door frame to divider

### Always!

- Read all instructions before installing any Havis-Shields Equipment Corp products.
- Check for obstructions (Wire, brake lines, fuel tank, etc.) before drilling any holes!
- Use hardware provided with install kit
- For product support, visit the Install Instructions Section of our website at <http://havis.com/Installation/Installation.html>, email [technicalsupport@havis.com](mailto:technicalsupport@havis.com) or call 1-800-524-9900.
- If this is your first time installing a Havis Shields Equipment Corp Prisoner Transport, please contact the factory for tips and suggestions that will ease the installation.

## VEHICLE PREPERATION:

### 1. STEPS, HVAC, VAK, OPTIONS, ETC:

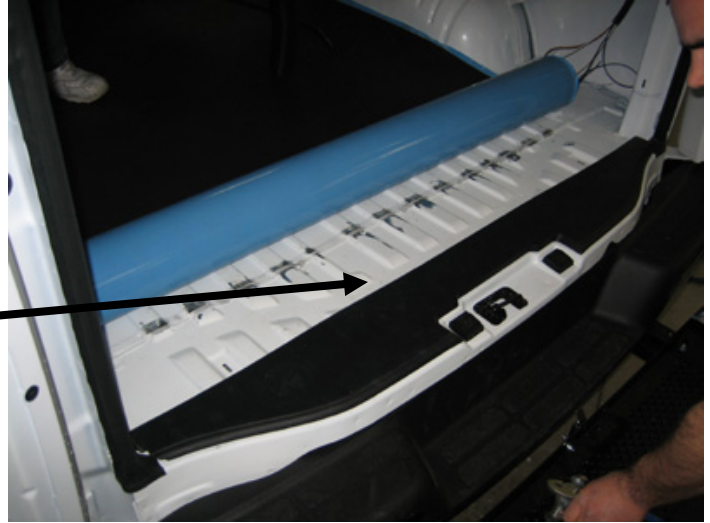
- Refer to the specific install instructions. Installing the steps prior to installing the Kwik Kit will ease installation and must be done on Chevy side step.
- Installing options may be necessary prior to installing the kit.

### 2. SOUND DEADENING & FLOORING:

- **OPTION #1: KK-RFM** A self-adhesive rubber sound deadening floor mat is sold separately and will help deaden road noise.
- Install optional rubber flooring onto van floor. Rubber floor mat should go under OEM floor mat in drivers compartment to cover sheet metal floor.
- Excess material can be placed onto walls of the van, around the wheel wells, inside door panels, etc. This will also help deaden the echo in the vehicle.
- **OPTION #2:** 3/8" to 1/2" plywood can also be used as an alternative solution. Cover the entire cargo floor of the van. (1 1/2) – 48" x 96" sheets of plywood are needed. Havis Shields Equipment Corp does not supply plywood floor kit. Draw a line on the rubber/wood floor from rear doorframe as shown on the following page. This will be the starting point of the kit.

## Rear OEM Trim modifications 1997-2007 Chevrolet G-Series Van

Installation of Kwik Kit is very similar in Ford and Chevy Vans. All kits start with a measurement at the rear floor. The rear plastic floor trim on Chevy vans must be cut straight across as shown in photo. Measure seven inches ( 7" ) from rear center of trim and cut straight line full width. (Jig saw works well for this step)

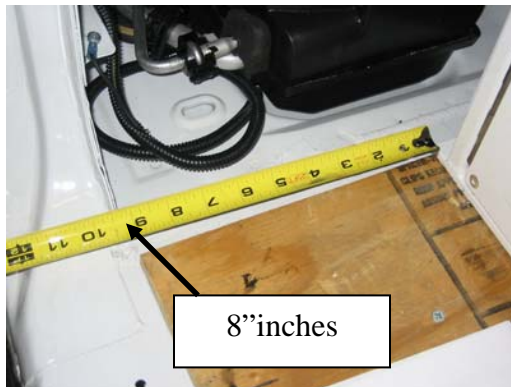


After plastic trim is cut and back in it's original location, you must measure 7" inches forward on both sides from newly cut trim to place rear Kwik Kit bulkhead. This is the starting position so parts fit into the correct locations. Note: With OEM rear AC/Heat, The kit will be shifted to passenger side.

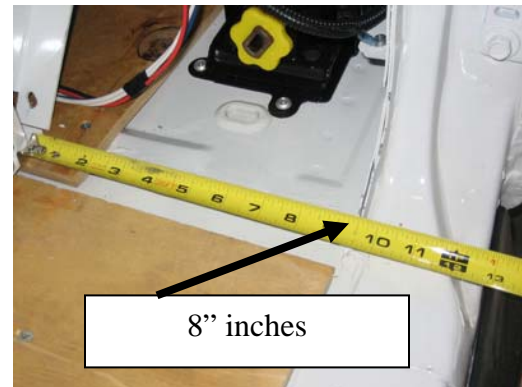


**. \*\*\* Ford Van does NOT require rear trim modification\*\*\***

### Ford Driver-Side rear



### Ford Passenger-Side rear



*Note: Photos above show a Chevrolet Van. Photos are intended to show rubber floor mat option only.*

***\*\*\*Kwik kits are designed for cargo vans with no rear OEM trim, however they can be installed into passenger window vans. Some rear trim removal or modification is required. Do not remove all rear trim and headliner as this will aid in sound deadening & insulation***

### **3. PASSENGER WINDOW VAN PREPARATIONS:**

**Note: Kwik Kits are recommended for Cargo Vans. The installer must determine modifications to the interior of a window van.**

1. Remove all rear bench seats from the vehicle.
2. Modify / remove interior parts as needed.
3. Remove floor mat/carpet and replace with ½" plywood or sound deadening material. (Recommended).
4. If installing KK-F-VAK, (OEM air conditioning adapter) cut or remove all plastic trim around the rear OEM system.

### **UNPACKING AND INSTALLATION:**

***\*\*\*Refer to exploded view drawing on page 22 to identify parts \*\*\****





1. Remove clear shrink-wrap covering the prisoner transport assembly.
2. This is the rear 40/60/or 80 section of the kit.
3. Remove all black hardware, wood panels and brackets holding wood panels.
4. Remove bolts holding the kit to the wood pallet.
5. With all hardware removed the remaining sections should match the sub-assemblies on the following pages



1. Remove clear shrink-wrap covering from prisoner transport assembly.
2. This is the 3<sup>rd</sup> compartment, 40 section
3. Remove all black hardware, wood fillers, and brackets holding assemblies.
4. Remove bolts holding the kit to the wood pallet.
5. With all hardware removed the remaining sections should match the sub-assemblies on the following pages



**Remove all black hardware from assembled unit. This will give you the subassemblies as they are shown on the following pages.**





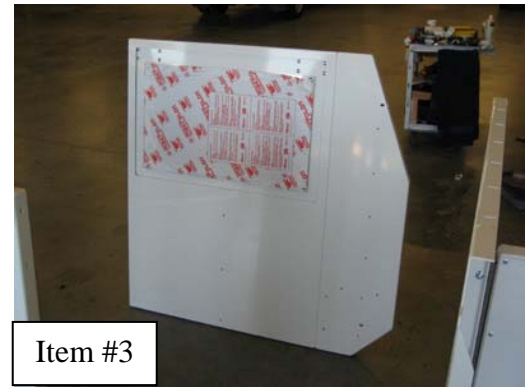
**The following photos are the main subassemblies as they are shipped from the factory.**  
**Remove drawing on final page and reference the item #'s as you install this kit.**



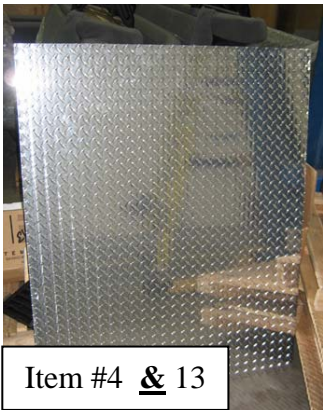
Driver Side Bench/Wall/  
Front bulkhead wing section



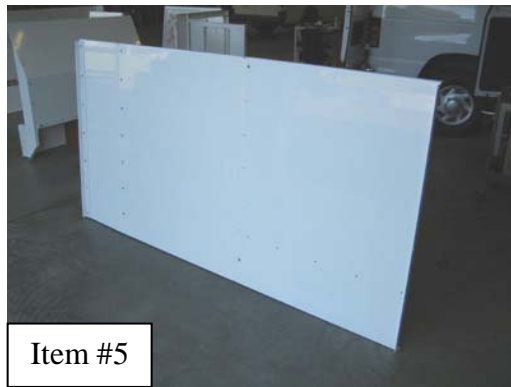
Passenger Side Rear Bench/Wall/  
3<sup>rd</sup> Compartment Bulkhead  
Wing section



Front Bulkhead minus driver-side  
Wing section



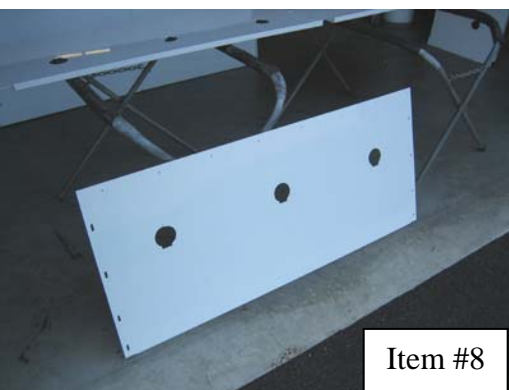
(2) - Diamond plate floor



Center Divider



Driver-side ceiling



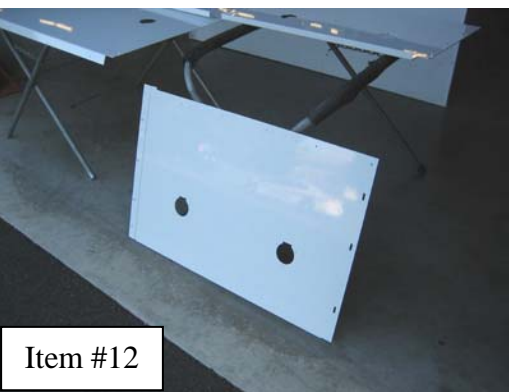
Passenger-side rear ceiling



3<sup>rd</sup> compartment bulkhead



3<sup>rd</sup> Compartment bench w/ optional  
storage door



Item #12

3<sup>rd</sup> Compartment ceiling



Item #6

Rear bulkhead/door assembly



Item #11

3<sup>rd</sup> Compartment Bulkhead/door assembly

**KWIK KIT LAYOUT**

*Diamond plate floor and ceiling sections are not shown for detail purposes.*





**VERY IMPORTANT:**

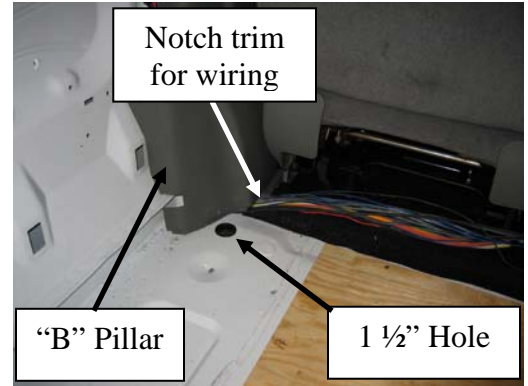
***Be sure that all Auxiliary lighting, video systems, Kwik kit options, and wiring are complete. Access is severely limited after kit is installed.***



If optional rear load light(s) (KK-RLL) was ordered, install at this time.  
*See KK-RLL install instructions*



Run all wiring for dome lights, power vents, video system, HVAC, etc. at this time. Tie to existing OEM harness



For neatness of wiring, route all cables down driver-side "B" pillar. If going under hood for power to console, drill hole at location above.



Be sure to tape harnesses to roof in approximate locations that accessories are being installed in Kwik kit. This will vary between the different model kits.



At this time go to the KK- (x)-VAK install instructions. This must be installed prior to Kwik Kit.



If optional Power Vent(s) (KK-PVENT) was ordered, see those instructions at this time for necessary prep work that must be done prior to installing Kwik Kit

Item #1



Place **Driver-side Bench/Wall** assembly into van so bench rests on wheel well

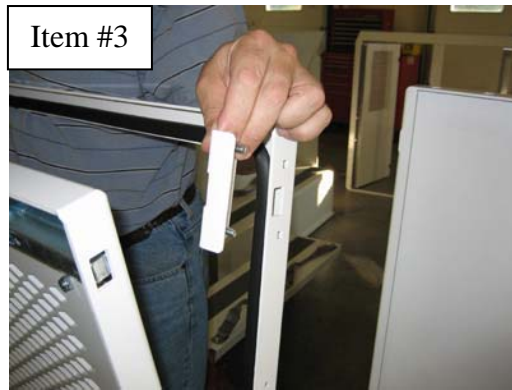
Item #2



Place **Passenger-side Bench/Wall** assembly into van so bench rests on wheel well



Item #3



Remove steel support bracket for **Emergency Exit Hatch** pin. Re-install when attaching **Front Bulkhead** to **Bench/Wall** assemblies

Item #3



Remove **Emergency Exit Hatch** from **Front Bulkhead** to ease installation

Item #3



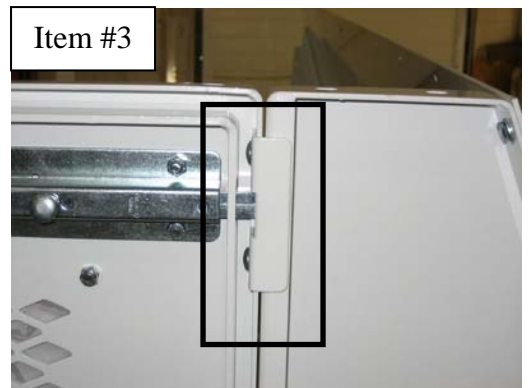
Place **Front Bulkhead** into vehicle

Item #3



Attach **Front Bulkhead** to **Driver-side Bench/Wall** assembly

Item #3



View of **Emergency Exit Hatch** support bracket assembled.





Be careful that exposed wires are not touching metal and optional **KK-x-VAK** hoses are not completely crushed

**Note: Vent hose will be tight in spots. If hose are crushed to an oval shape the airflow will still be good. Avoid completely crushing hoses.**

Place (2) **Diamond Plate Floors** between **Bench/Wall** assemblies and **Front bulkhead**. *Place cardboard along side of bench while positioning the floor to avoid scratching the bench.*



The floor(s) will square the benches and bulkheads to the kit.



Place **Center Divider** into vehicle.



Approximate center



Loosely bolt **Center Divider** to **Front Bulkhead**



Current view of installation



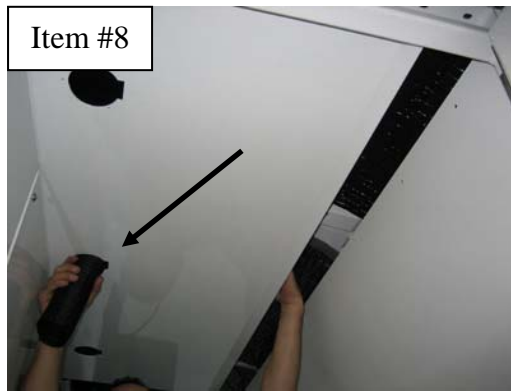
Carefully place **Driver-side Ceiling** section into vehicle.





Item #8

Place **Passenger-side Ceiling** section into vehicle  
*Do not attach any hardware at this time*

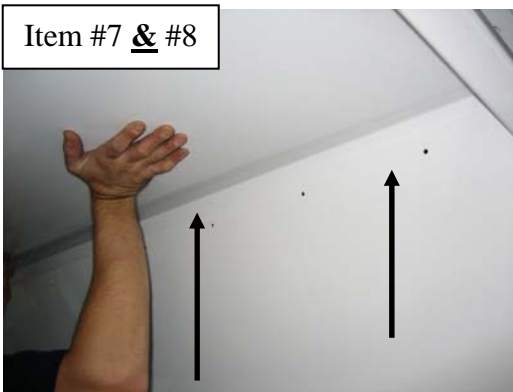


Item #8

Route dome light wires, HVAC hoses, video cables, etc to their respective locations



Current view of installation



Item #7 & #8

Slide the ceiling sections out of the way in order to access A/C hoses, wires, etc.  
*Note: These components will be hard to access once ceiling is mounted.*  
*Remove all slack from hoses to maximize airflow.*



Item #7 & #8



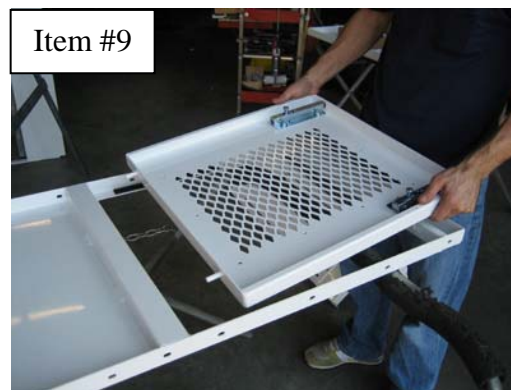
Item #12

Position **3<sup>rd</sup> Compartment Ceiling** into vehicle.



Item #5

Remove screws holding the center divider together where **3<sup>rd</sup> Compartment Bulkhead** will be mounted.



Item #9

Remove **3<sup>rd</sup> Compartment Bulkhead Emergency Exit Hatch** to ease installation.



Item #9

Position **3<sup>rd</sup> Compartment Bulkhead** as shown above.



Item #10

Place 3<sup>rd</sup> compartment bench  
*Photo shows optional storage door*  
*Note: Be careful not to scratch bulkheads.*



Item #10 to #9

Bolt 3<sup>rd</sup> Compartment Bench to 3<sup>rd</sup> Compartment Divider using 1/4" x 3/4" carriage bolts and serrated nuts. Nuts should be on the inside of the bench

**VERY IMPORTANT!!! Items #9, #8, & #12 all bolt together**



Items #9, #8, #12



Item #9 to #5

Position 3<sup>rd</sup> compartment ceiling and loosely attach a few 1/4" x 3/4" hex head bolts and washers where 3<sup>rd</sup> compartment divider and ceiling meet with rear passenger-side ceiling. This is the most difficult section to install due to aligning all 3 materials. **Be sure to do this step prior to attaching any part of ceilings or 3<sup>rd</sup> compartment divider.**

Re-install screws removed in step above and loosely attach aligning all three materials.

*Note: An awe or scribe is recommended to help align holes*



Item #9 to #2

Loosely bolt Passenger-side Bench/Wall assembly to 3<sup>rd</sup> Compartment Bulkhead using 1/4" x 3/4" Carriage bolts and serrated nuts

*Note: An awe or scribe is recommended to help align holes.*



Item #9 to #2

Bolt 3<sup>rd</sup> Compartment Divider to Passenger side Wall using 1/4" x 3/4" carriage bolts, washers and nuts.





Place **Rear Bulkhead Doorframe** into vehicle



Position between **Driver and Passenger-side Bench/Wall** assemblies



Loosely attach **Doorframe** to **Center divider** using #10 x 3/8" flat head machine screws and nylock nuts



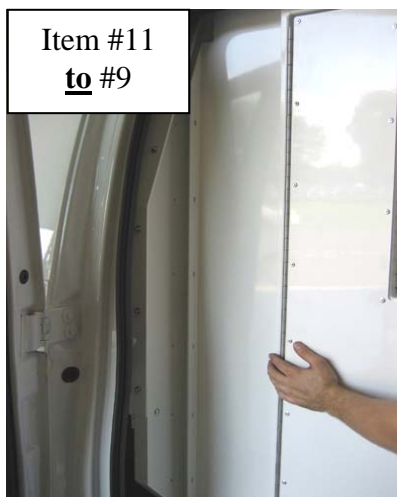
Loosely bolt **Rear Bulkhead Doorframe** (at the door hinge) to **Bench/Wall** assemblies using 1/4" x 3/4" carriage bolts, washers and serrated nuts



*Note: It is recommended to put edge molding on the OEM door opening on the passenger side to avoid damaging the Kwik kit door.*



Place the **3<sup>rd</sup> Compartment Doorframe** assembly.



Press doorframe to align with holes in **Passenger-side Bench/Wall** assembly.



Align **3<sup>rd</sup> Compartment Doorframe** to **3<sup>rd</sup> Compartment Ceiling** and loosely attach 1/4" x 3/4" hex head bolts, washers and serrated nuts.



Item #7, #8, #12 **to** #3, & #6



Continue around the entire kit bolting all **Ceiling** pieces to **Bulkheads** and **Doorframes** using 1/4 x 3/4" carriage bolts, washers, and serrated nuts



An awe or scribe will help align the holes

Item #6 **to** #5



Tighten screws holding **Rear Doorframe** to **Center Divider**



Cut door gasket with utility knife. Cut gasket to the length of door acceptor frame. Attach as shown above.



Position the entire unit according to the measurements on the following page. **Note: Maneuver the kit into position.**

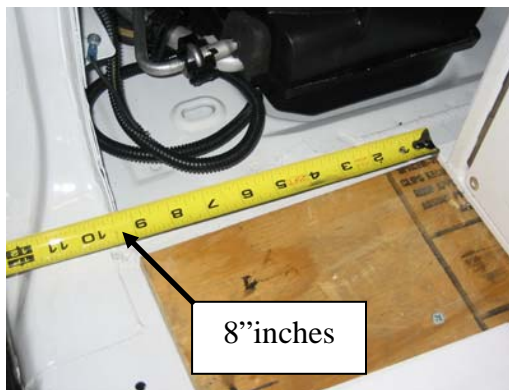
**THE FOLLOWING STEPS ARE EXTREMELY CRITICAL FOR A SUCCESSFUL INSTALLATION! PLEASE FOLLOW THESE INSTRUCTIONS CAREFULLY.**

**Lower Driver-Side rear**

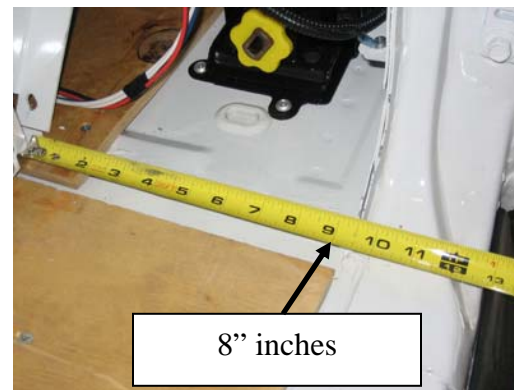
**Lower Passenger-Side rear**



Position of driver-side **Rear Doorframe** when installing with factory rear air. *There should be at least 1/4" of space between the A/C blower motor and wing*



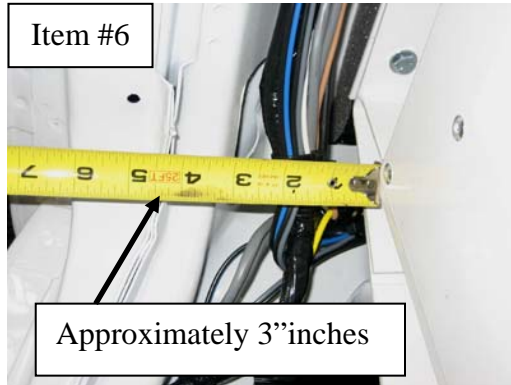
Measurement from driver-side **Rear Doorframe** to vehicle doorframe shown above



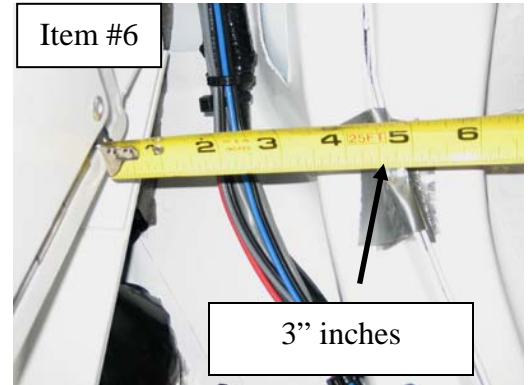
Measurement from passenger-side **Rear Doorframe** to vehicle doorframe shown above



**Top Driver-Side rear**



**Top Passenger-Side rear**

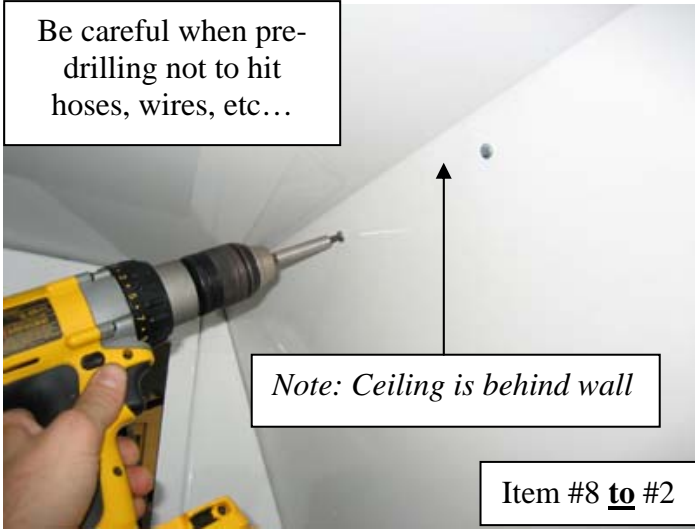


With unit positioned according to measurements on previous page, pre-drill and attach a #10 x 1" sheet metal screw to hold the rear **Bulkhead** in place while assembling the remainder of the unit.

Position **Driver-side Ceiling** section to mate with **Bench/Wall** assembly. Pre-drill 5/32" holes into **Ceiling**, using **Bench/Wall** assembly holes as a guide.



Be careful when pre-drilling not to hit hoses, wires, etc...



Note: Ceiling is behind wall

Item #8 **to** #2

Pre-drill ceiling with 5/32" drill bit and attach #10 x 1" Phillips pan head sheet metal screws to hold **Ceiling to Bench/Wall** assembly. Repeat these steps on the **Passenger-side Ceiling** section



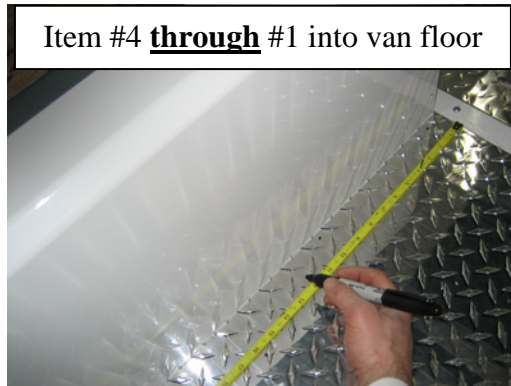
Item #5 **&** #4 **to** van floor

Be Sure Floor Is Square To Benches & Bulkheads. Attach **Divider** to vehicle. Pre-drill through floor(s) using 3/16" drill bit and attach using 1/4" x 1 1/2" hex head lag bolts

Item #5 **through** #8 into #7



Item #4 **through** #1 into van floor



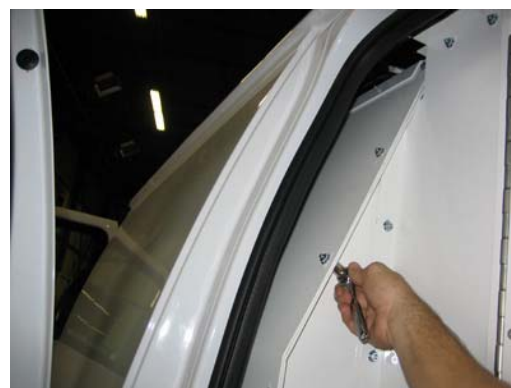
Item 4 **through** #1 into van floor



Pre-drill through **Ceiling** sections, (using **Divider** as a template), with 3/16" drill bit and attach using 1/4" x 1 1/2" hex head lag bolts

Attach remainder of **Diamond plate floor**. Pre-drill diamond floor (only) w/ 3/16" hole and 1/8" hole through floor of vehicle

**Through** Item #4, #1, & van floor



Attach to wood floor or rubber floor mat using #10 x 1" Phillips pan head sheet metal screws

Begin to tighten **ALL** loose hardware on the remainder of the unit, being sure to align edges and bends of materials being tightened. This will square the unit to itself.





Item #6 to van floor

On the **Rear doorframe**, remove the sheet metal screws installed earlier. Drill 3/8" holes through the doorframe, floor, and vehicle. Attach using 3/8" x 2" hex head bolts, washers, fender washers, lock washers, and hex nuts.



Item #11 to van floor



Item #11 to van floor

On **3<sup>rd</sup> Compartment Doorframe** repeat the same steps done on **Rear Doorframe**. Only one bolt is used and must be located just to the left of the doors hinge as shown above.



Item #11

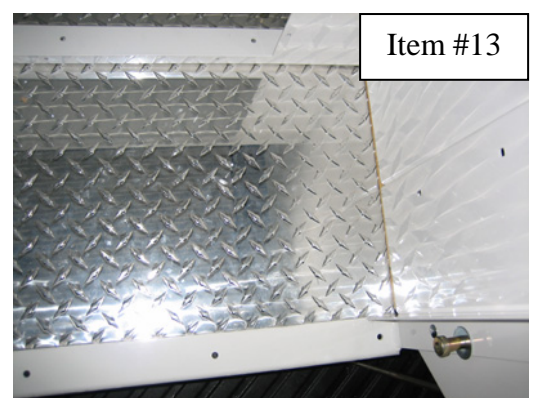
Attach the doorframe to the vehicle using #10 x 1" Phillips pan head sheet metal screws



3/8" x 2" hex head bolt, flat washer, fender washer, lock washer, and nut

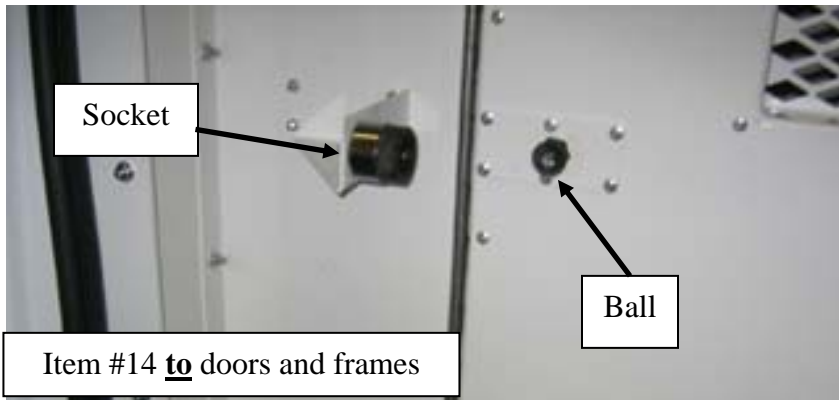
Item #3 to van floor

Secure the **Front Bulkhead**. Drill (2-one per-side) 3/8" holes through the frame, 1/2" plywood, and floor of vehicle Attach using 3/8" x 2" hex head bolt, flat washer, fender washer, and nut.



Item #13

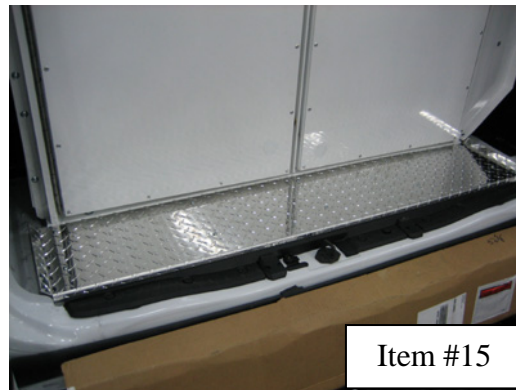
Place **3<sup>rd</sup> Compartment Floor** Pre-drill diamond plate floor (only) and attach using #10 x 1" Phillips pan head sheet metal screws. (Approx. 10)



**Attach Ball & Socket Style Doorstop.**

**1<sup>st</sup>** Attach “Ball” portion of assembly. Attach to threaded hole on the door using a ¼” x 1” Hex head bolt.

**2<sup>nd</sup>** Attach the “Socket” and bracket portion. Attach to doorframe using #8 x ¾” Phillips machine screws and keps nuts.



In the upper corner of each side of the **3<sup>rd</sup> Compartment Doorframe** are small filler panels that need to be installed. Attach using ¼” x ¾” carriage bolts, washers, and serrated

Place trim panels as shown above Pre-drill through trim panel (only) with 3/16”. Pre-drill the vehicle w/ 1/8” hole and attach panels using #10 x 1” sheet metal screws

Silicone all seams and joints. This will allow the unit to be hosed out.



# FINAL INSTALLATION PHOTOS



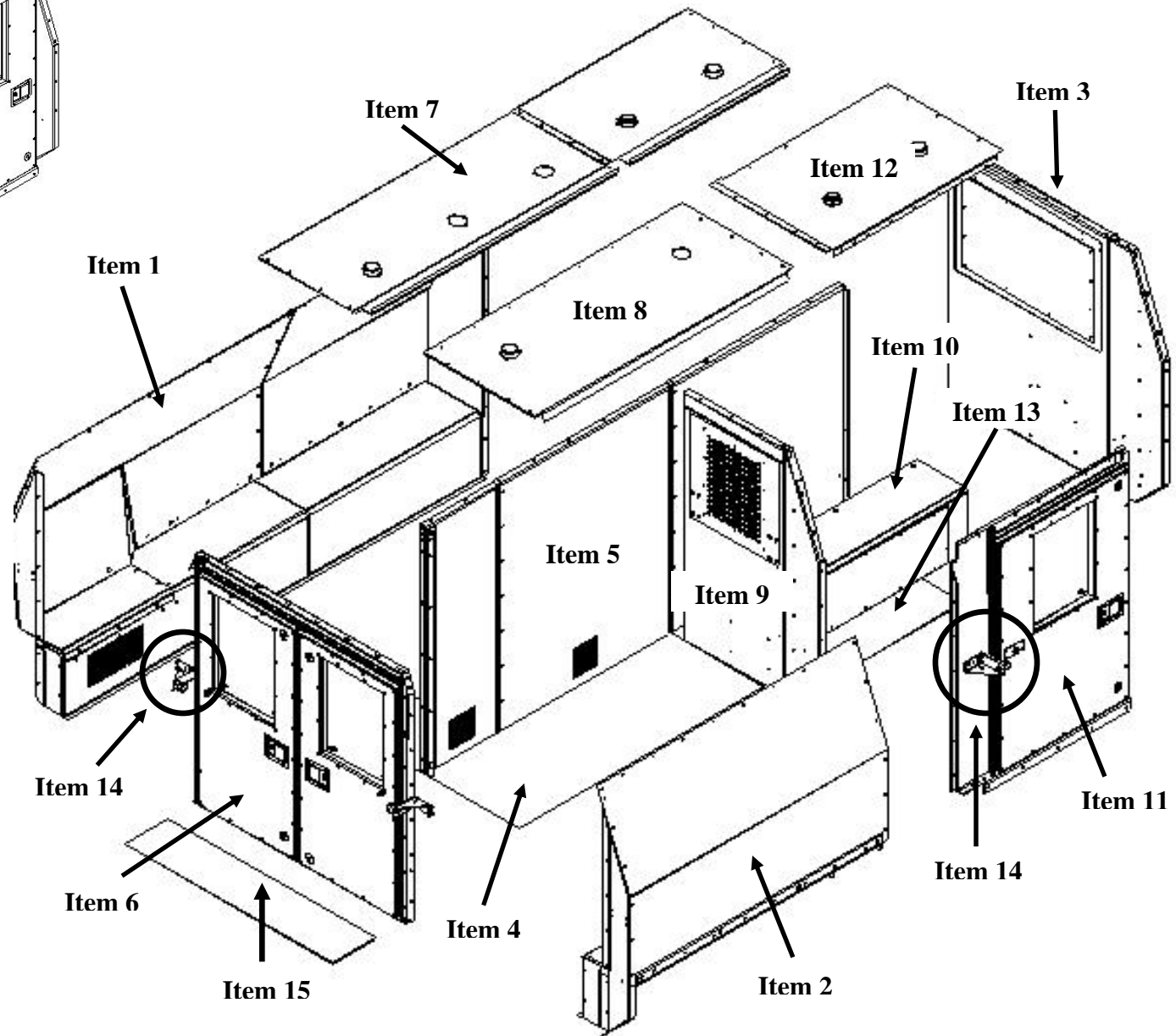
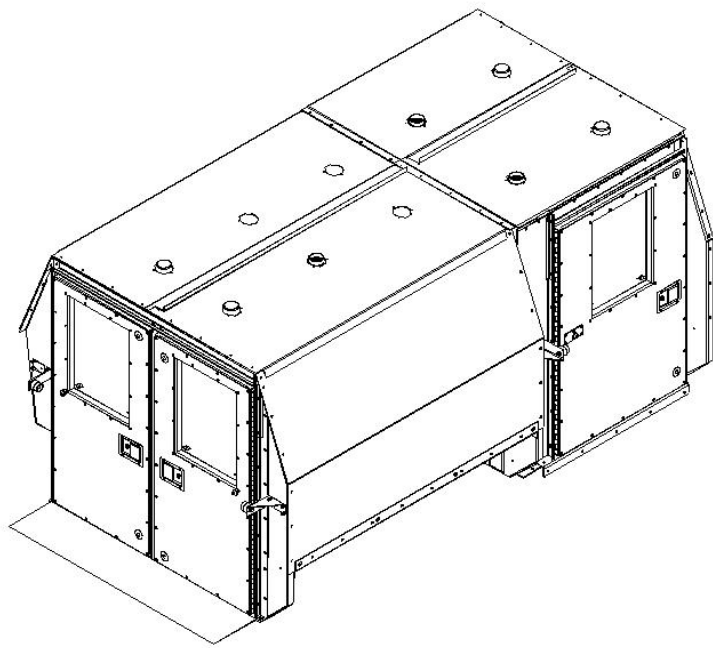
Optional Storage Compartment  
(Sold Separately)





**PRISONER TRANSPORT OPTIONS – (All SOLD SEPERATLEY)**





<b>ITEM</b>	<b>DESCRIPTION</b>
1	Driver-side Bench/Wall
2	Passenger-side Bench/Wall
3	Front Bulkhead
4	Diamond-plate Floor
5	Divider
6	Rear Bulkhead/ Doorframe
7	Driver-side Ceiling
8	Passenger-side Rear Ceiling
9	3 <sup>rd</sup> Compartment Bulkhead
10	3 <sup>rd</sup> Compartment Bench
11	3 <sup>rd</sup> Compartment Doorframe
12	3 <sup>rd</sup> Compartment Ceiling
13	3 <sup>rd</sup> Compartment Floor
14	(3) Door Stops
15	Diamond-plate floor filler panel

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