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75 Jacksonville Road
Warminster, PA 18974
T 800-524-9900 F 215-957-0729
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General Prisoner Transport Install Instructions

PT-2-INST

50”or 60” high x 60”, 80”, 100” & 120” inch long / Double Compartment Inserts

Also refer to

PT-A-3XX instructions for vehicle specific mounting measurements and insert parts details

PT-A-1XX Rear Step Instructions

All optional equipment kits include instructions

Read all instructions before starting insert installation.

TOOLS REQUIRED:

Standard and Metric Socket Sets	Awe or Scribe	Tape Measure
Impact Gun (recommended)	Pry-bar	Caulk gun
Power Drill & drill bits	Wire Cutter / Crimping tool	Utility knife
Phillips Screwdriver	Circular saw (for plywood)	

HARDWARE KIT # KKM007452 - 60” or 80” Rear Compartment: ***(Some hardware not used in all applications)***

QTY	DESCRIPTION	PART #	USED FOR:
60	1/4" x 3/4" Carriage bolt	GSM32026	Main Housing
80	1/4" Serrated nut	GSM30170	Main Housing
25	#10 x1-1/4" Phillips pan head sheet metal screw	GSM33197	Floor
25	#10 x 3/4" Phillips self-drilling sheet metal screw	GSM33504	Wall to ceiling
12	#10 x 3/4" Phillips flat head screw	GSM34156	Vent plates/dome lights
10	#10 x 1/2" Phillips flat head screw	GSM33150	AC cover to wall (driver side rear)
32	1/4" x 3/4" Phillips flat head machine screw	GSM33087	Wall/Bench extension
25	1/4" x 3/4" Hex head bolt	GSM32980	3rd divider, 3rd ceiling
25	1/4" Flat washer	GSM31000	3rd divider, 3rd 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 1-3/4" Socket button head bolt	GSM33315	Grab straps/seat belts
5	Mounting /Backing plate	KKM007376	Bulkheads
5	3/8" x 2-1/4" Grade 8 Hex head bolt	GSM34023	Bulkheads
5	3/8" Grade 8 Hex nut	GSM30171	Bulkheads
5	3/8" Lock washer	GSM31028	Bulkheads
5	3/8" x 1” Fender washer	GSM31144	Bulkheads
5	3/8" x 1.625" Fender washer	GSM31149	Bulkheads
1	White Silicone tube	PRM97343	Seams & Gaps
4	Lock key	PRM97660-1	Doors
4	Vent block off plate	KKM0403-004	Ceiling (vent adapter kit)
1	Dome lights (two per kit)	KK-DOME-2-LED	Ceiling
1	LABEL - HEAD RESTRAINT	CM007098	Dash
4	LABEL – GRAB STRAPS	KKM99090	PT compartment walls

HARDWARE KIT # KKM007453 - 40” Forward Compartment:

90	1/4" x 3/4" Carriage bolt	GSM32026	Main Housing
90	1/4" Serrated nut	GSM30170	Main Housing
25	#10 x1-1/4" Phillips pan head sheet metal screw	GSM33197	Floor
15	#10 x 3/4" Phillips self-drilling sheet metal screw	GSM33504	Wall to ceiling
12	#10 x 3/4" Phillips flat head screw	GSM34156	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 1-3/4” Socket button head bolt	GSM33315	Grab straps/seat belts

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HARDWARE KIT # KKM007453 - 40" Compartment (continued):

QTY	DESCRIPTION	PART #	USED FOR:
2	Vent block off plate	KKM0403-004	Ceiling (vent adapter kit)
1	Dome lights (two per kit)	KK-DOME-2-LED	Ceiling
1	LABEL - SAFETY-DRIVE W/ CAUTION	KKM99091 Dash	

HARDWARE KIT # C-HK-277 – Center Divider:

28	1/4" x 1-1/2" Hex head lag bolt	GSM33062	Divider to floor
7	1/4" x 3/4" Stainless socket button head bolt	GSM33309	Divider to 3rd comp
7	1/4" Stainless flat washer	GSM31048	Divider
10	#10 x 1/2" Phillips flat head machine screw	GSM33080	Door frame to divider
10	#10 Thin Nylock nut	GSM330015-1	Door frame to divider

OTHER PARTS SHIPPED LOOSE FOR INSTALLATION: X - ***Quantity depends on model insert***

X	Grab Strap	KKM99068	Bench top
X	Seat belt	PT-A-917	Bench top
X	Seat divider	PT-A-907	Bench top
54	3/16 x .375-.500 Flange Rivets	GSM32101	Seat divider to bench top
X	Door holder assembly (one for each door)	KKM0405-026	Door stop
4	10-32 Keps nut	GSM30123	Door holder bracket
4	10-32 X 3/4 Phillips pan head machine screw	GSM33119	Door holder bracket

Always!

- Read all instructions before installing any Havis, Inc. products.
- Check for obstructions (Wire, brake lines, fuel tank, etc.) before drilling any holes!
- Use hardware provided with install kit
- If this is your first time installing a Havis, Inc. Prisoner Transport, please contact the factory for tips and suggestions that will ease the installation.

VEHICLE PREPERATION:

1. **STEPS, HVAC, VENT ADAPTOR, OPTIONS, ETC:**
   - Refer to the specific install instructions. Installing the steps prior to installing the transport insert will ease installation and **must be done on Chevy and Dodge side step**.
   - Installing options may be necessary prior to installing the kit.

2. **SOUND DEADENING & FLOORING:**
   - **1/2" or 3/8" plywood is always recommended** to cover the entire cargo floor of the van. (1 ½) – 48" x 96" sheets of plywood are needed. Havis, Inc. does not supply plywood floor kit. **See vehicle specific information in the PT-A-3XX instructions.** Details in these instructions will indicate the starting point / mounting location of the kit.
   - **OPTIONAL # PT-A-904** self-adhesive sound deadening wall insulation is sold separately and will help deaden road noise.
   - 54" x 20 foot roll of material is simple cut with a razor knife. Peel and stick to walls and ceiling.

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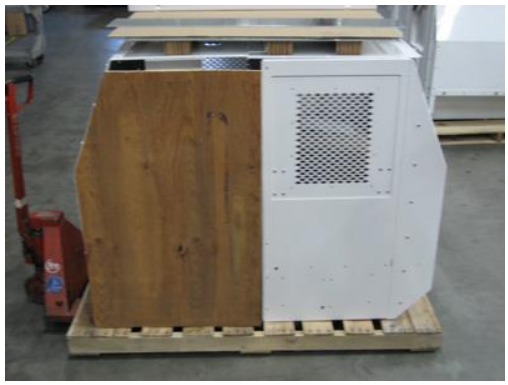
Remove wood crate and clear shrink-wrap covering the prisoner transport assembly.

This is the rear 40/60/or 80 section of the kit.

Remove all black hardware, wood panels and brackets holding wood panels



PT-A-300 Trim panel kits, PT-A-100 rear steps, PT-A-200 side steps and other options are shipped inside compartments. Remove equipment and open boxes to review parts and installation instructions.

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

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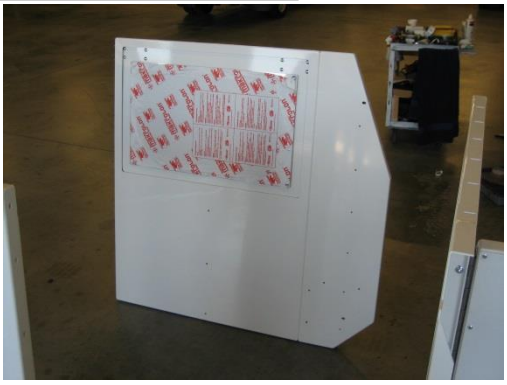
Primary parts shown after sub-assembly preparation for installation

Driver Side full length Bench/Wall assembly with Front bulkhead wing section.

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



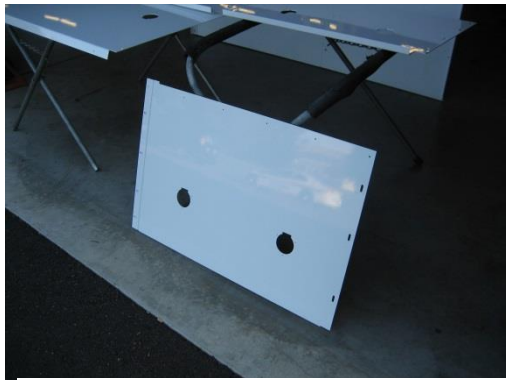
Front Bulkhead minus driver-side wing section

(2) - Diamond plate floor

Center Divider

Driver-side ceiling

Passenger-side rear ceiling



Passenger-side forward ceiling

Rear bulkhead/door assembly

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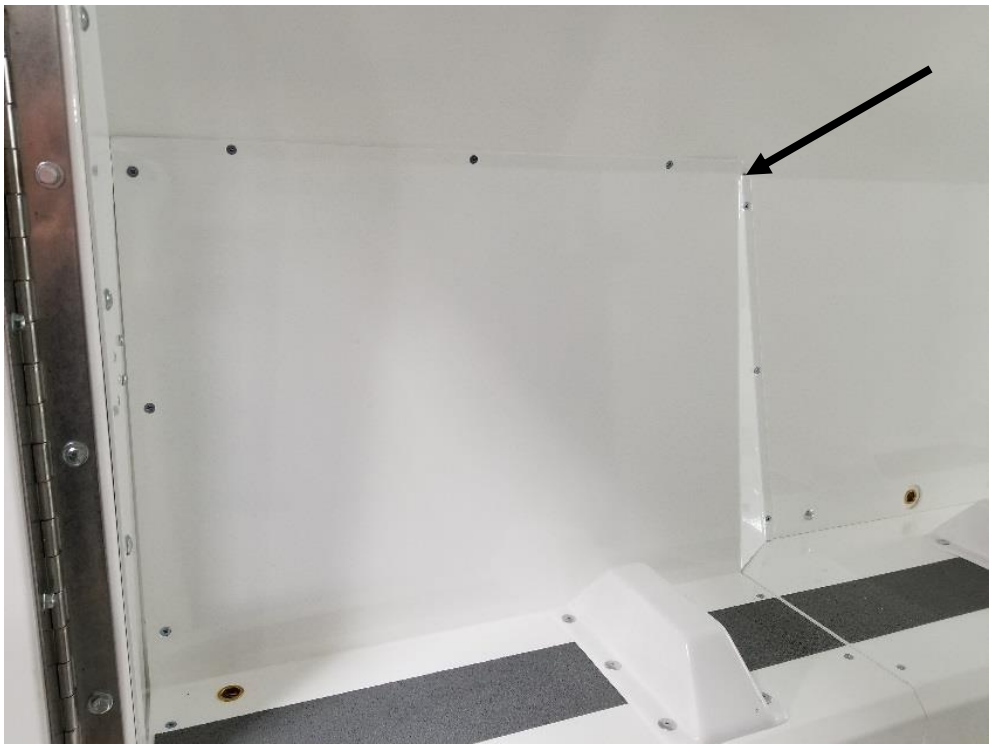
Prisoner Transport insert LAYOUT

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

3 Compartment model shown for reference only.

NOTE: The installer must drill the wall for the upper mounting screws of the rear AC blower cover. Drill with 1/8” drill bit and attach with the supplied # 10 x 3/4” flat head sheet metal screws



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If optional rear load light(s) (**PT-A-916**) was ordered, install at this time.
See PT-A-916 install instructions

Install optional **PT-A-919** wire harness for dome lights, power vents, video system, HVAC, etc.

For neatness of wiring, route all cables down driver-side "B" pillar. From this location, wires can be run to center console, under dash or to battery location.

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

Install **PT-A-4XX** HVAC or **PT-A-5XX** and **PT-A-904** at this time. This and other optional equipment wiring must be installed prior to insert

If optional Power Vent(s) (**PT-A-921**) was ordered, see those specific instructions for necessary prep work that may need to be done prior to installing insert.

Dome Light Note: 80" long inserts include two (2) LED dome lights.
100" and 120" long inserts include four (4) LED dome lights.
4.25" diameter block off plates are included to cover unused ceiling holes.
Additional dome lights can be purchased separately if desired. **Order part number PT-A-912**

Installation of Main Insert Assembly

**** Refer to PT-A-3XX instructions for vehicle specific mounting and parts details ****
***** See instructions included with optional accessories for installation details *****

*****If OEM "B" pillar upper foam blocks are in the way of front bulkhead installation, cut and remove as little of the foam as needed. Do not completely remove foam blocks*****

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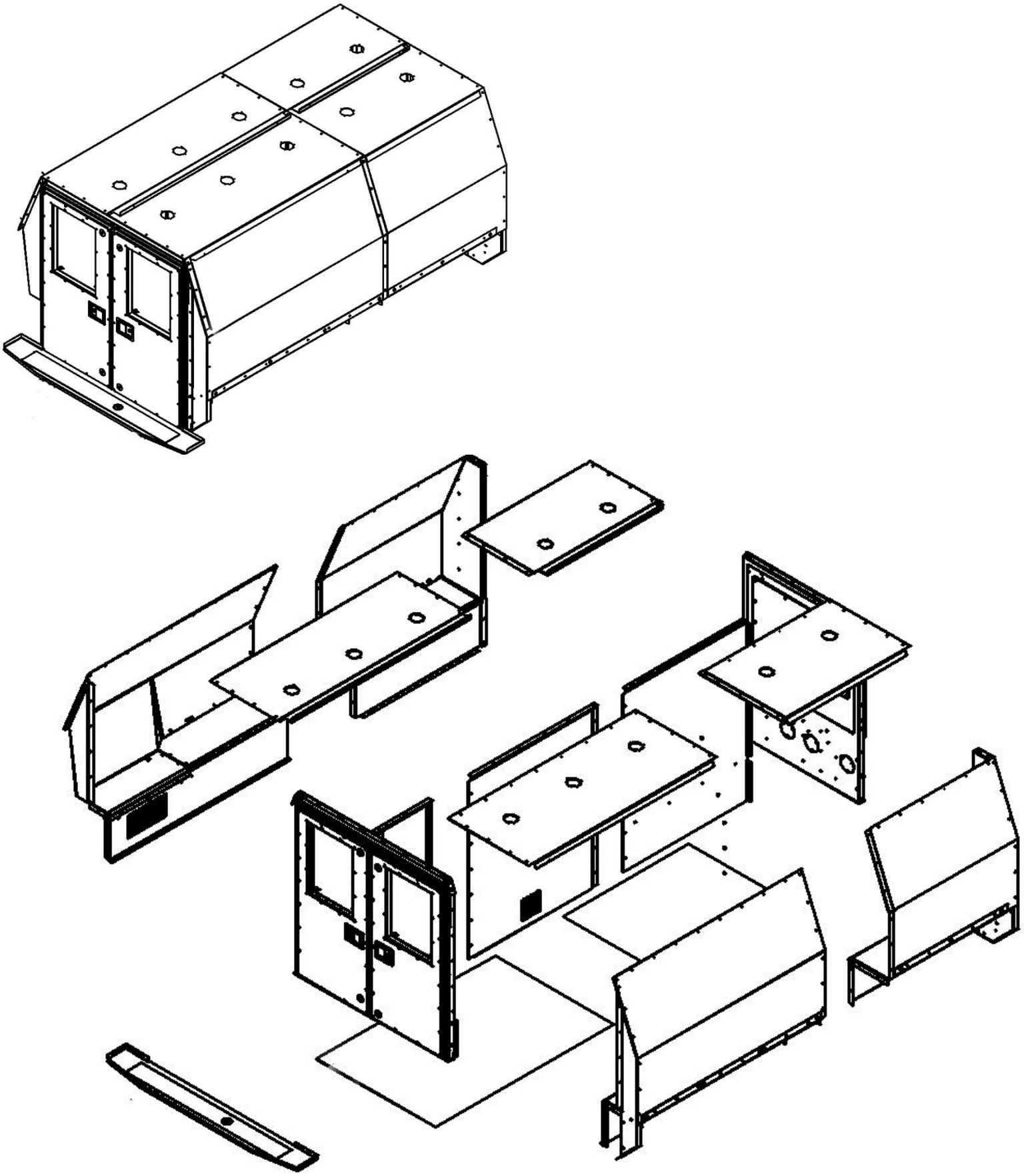

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CAUTION! FLOOR MOUNT SCREW DETAILS

The PT Insert kits include #10 x 1-1/4" Phillips pan head sheet metal screws for attaching diamond floor or bench and floor to 1/2” Plywood and OEM sheet metal floor.

The PT insert also includes 1/4" x 1-1/2" Hex head lag bolt for attaching center divider to diamond floor, 1/2” Plywood and OEM sheet metal floor.

These screw lengths are important so they can reach the low portion of the ribbed floor and will also not be too long. In some locations the floor screws may hit the high spot on the rib and penetrate further under the OEM floor. In most area’s this is not a concern because screws are above the frame rail, behind a guard or far enough away from fuel tank and other OEM equipment.

When screwing down the floor in a single compartment insert, we recommend three (3) rows of #10 x 1 1/4" screws. One row front to back through each bench lip, diamond plate, plywood and OEM sheet metal. One row front to back in the center through diamond plate, plywood and OEM sheet metal.

There is no need to install floor screws in the center if a Center Divider is being installed.

The 1/4" x 1-1/2" Hex head lag bolts for the divider will fasten everything as needed.

Screws or bolts should be installed in rows at approximate locations shown in **green**.

Do not install screws in area above fuel tank shown in **red**.

#10 x 3/4" flat head sheet metal screws are recommended for attaching plywood to OEM floor.

Only four (4) screws per piece of plywood are necessary for keeping wood in position prior to sheet metal installation. Screws for attaching plywood and plywood are not included with kit.

DO NOT USE LONGER SCREWS THAN WHAT ARE SUPPLIED OR RECOMMENDED.

ALWAYS DOUBLE CHECK UNDERNEATH VEHICLE TO CONFIRM SCREWS ARE IN A SAFE LOCATION.

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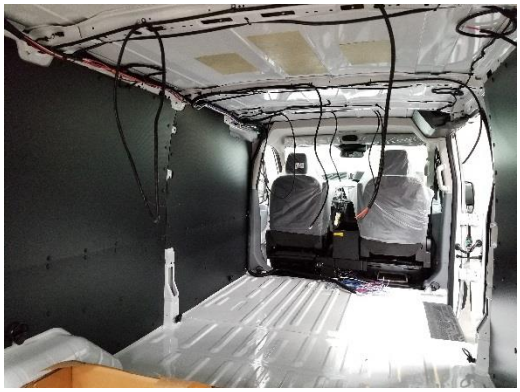


Install optional **PT-A-919** wire harness for dome lights, power vents, emergency lighting or any other accessories needed.

Lay plywood down in van.
Refer to PT-A-3XX instructions for measurements.
Attach hoses from PT-A-5XX to OEM HVAC system or PT-A-4XX series kit. Run hoses along inner roof.

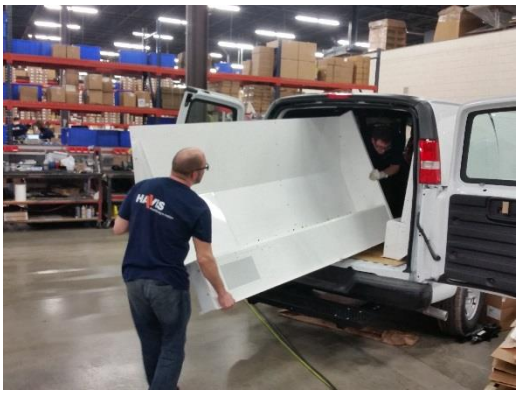
Unbolt all black hardware and stage benches for install.
Front and rear sections need to be bolted together at this time.

Attach bench endcaps using 1/4" x 3/4" Phillips flat head machine screw.
Repeat for other bench.

Install front bulkhead in van and lean against front seats.

Load the passenger side bench into the van and line up to the front bulkhead.

Attach the bench to the front bulkhead.
Do not tighten hardware



Load the driver side bench assembly into the van and line up to the front bulkhead.
Do not tighten hardware

Attach driver side bench to front bulkhead.

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Slide diamond plate floor into van. Make sure floor sits over the lip of the benches.

Install rear door frame into van and line up the benches.

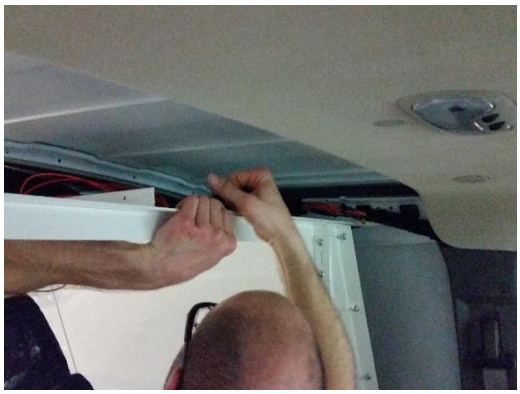
Attach to benches using 1/4" x 3/4" carriage bolts and serrated nuts.

Repeat process for passenger side.

To reduce the chance of rattles, place duct tape over hose clamps.

Install ceiling panels starting with the front driver side.
Be sure to pull wiring and hoses into their respective holes.

Load the remaining ceiling panels into the van.
Be sure not to crush hoses when routing them through the ceiling.



Attach the ceiling panels to the front and rear bulkheads using 1/4" x 3/4" carriage bolts and serrated nuts.

Front and rear ceiling panels are attached together using 1/4" x 3/4" Phillips flat head machine screws.

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Attach the wall to the ceiling using #10 x 3/4" self-threading screws.

Attach HVAC hoses to vent adaptors using supplied hose clamps found in PT-A-5XX and PT-A-4XX series kits.

Wire and mount dome lights in ceiling cutouts

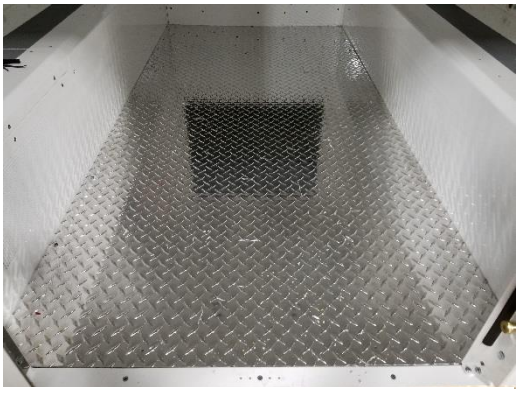
Check measurements in PT-A-3XX instructions.
Center the insert in the van and line up to the measurements.

Drill and temporarily attach the rear lower corner of the door frame with a #10 Phillips sheet metal screw. Repeat process for front bulkhead.

Measure out about 9.5” inches or roughly 7 diamonds and make a mark.

Drill a 3/16” hole just through the diamond plate and bench lip only. Do not drill through OEM van floor.

Using a screw gun, install #10 x 1.25” Phillips pan head screws into the floor.



Make four (4) even rows of screws. A row down the center is not necessary as the divider will use that space.
Add remaining screws in door frame and front bulkhead.

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With the help of a second installer. Lift the front divider wall section into the van.

Line up to the front bulkhead. Bolt to front bulkhead using 1/4" x 3/4" carriage bolts and serrated nuts.

Place middle divider section into van insert and line up bolt holes to front divider section.

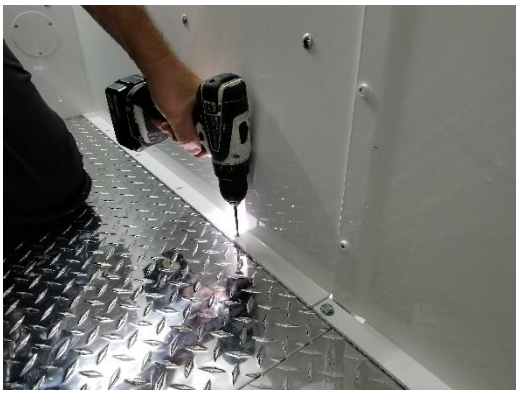
Use alignment tool to help line up middle bulkhead and both dividers. Bolt the panels together using 1/4" x 5/8" stainless socket button head bolt and washer.

Place the rear most divider wall into the van and line up to middle divider and door frame.
Install 1/4" x 5/8” stainless socket button head bolts and washers.

Attach to the door frame using 10-32 x 3/8” Flat head machine screws and nylock nuts.

Place weather stripping over bolts.

Install two (2) 1/4" x 3/4" carriage bolts and serrated nuts at the top of rear divider to bulkhead frame.



Center and straighten the divider and drill 3/16” holes through diamond plate only. **Do not drill through OEM van floor.**

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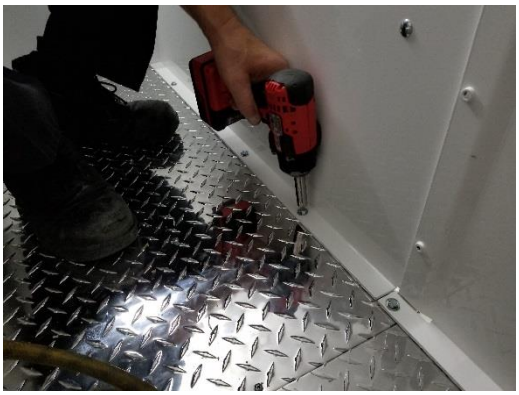


Attach divider to floor with 1/4" x 1.25” #14 lag bolts.

Repeat process for ceiling

Tighten all hardware

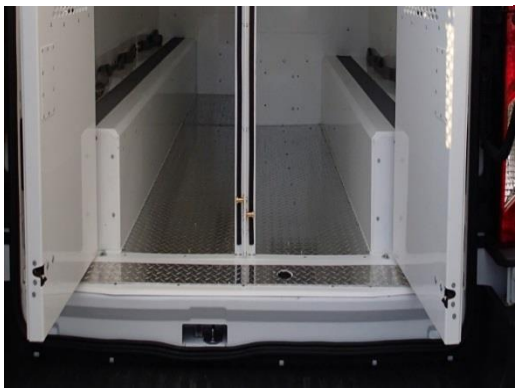
Drill a 3/8” hole in the corners of the kit for through bolts.

Refer to PT-A-3XX instructions for hole placement.

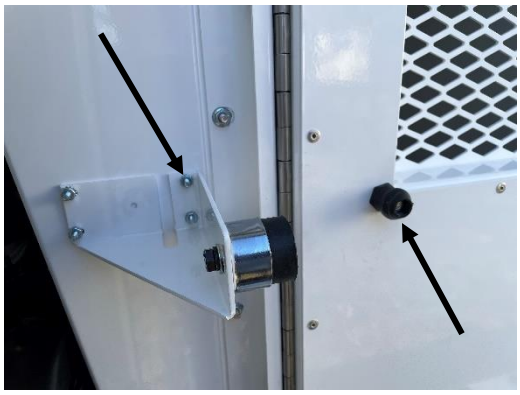
Always check for obstructions.

KKM007376 Backing plate and other bulkhead to floor mount hardware shown.

NOTE: Bulkheads have different holes for mounting. Double check under floor on the van you are working on to confirm correct mounting holes before drilling.



Adjust doors as needed for proper alignment to pins. Loosening of the bolts on the hinge to raise or lower the door may be necessary. The latches should meet the pins evenly and engage both stages when closing.



Attach door stop pin to existing 1/4-20 threaded hole in door. Open door and line up door stop “Socket” to pin with bracket attached. Mark locations for the bracket mount holes on bulkhead and drill with 3/16 bit. Attach bracket using #8 x 3/4” Phillips machine screws and nuts.

Double Check and tighten all hardware.

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

Installation is now complete

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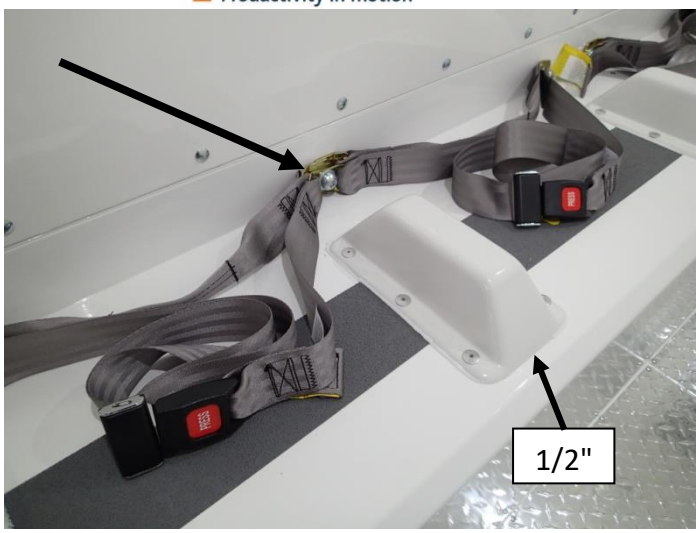

Mount Seat Belts and Grab Straps to bench with 1/2" x 1-3/4" bolts, lock washers and flat washers. Install with belt strap towards rear for ease of Officer tightening.

Install seat dividers as per PT-A-907 instructions. **Note:** Seat divider should be placed 1/2" back from seat front bend Drivers side rear Seat Divider must be mounted rearward of the Seat Belt / Grab Strap mount hardware. All other Dividers will be in line with belt hardware.

Side / 3rd compartment bench is not as deep as other benches. Make sure you position the divider to allow space for mount hardware. **Note: Depending on how the end user chooses to use the side / 3rd compartment, installation of the seat divider may not be desired in this small compartment.**

Attach Safety label to dash
Drive with Extra Caution While Transporting Passengers

Attach four (4) Safety labels to Center Divider or walls.
Hold onto Straps While Vehicle is in Motion

Attach Safety label to dash
The Adjustable Head Restraint is a Safety Device. Adjust the Head Restraint as per Owner's Manual Prior to Operating This Vehicle.

PRISONER TRANSPORT OPTIONS – *(All SOLD SEPERATLEY)*

Flip Down Step PT-A-902

See caution notes for Transit and Promaster vans.

Power Vent PT-A-921

Sound Deadening Insulation PT-904

Rear Load Light PT-A-916

Under bench storage PT-A-906

C-2410 console with C-B68 mount kit.
Transit Van shown