PT-2B Prisoner Transport Instructions

50” or 60” high x 100” & 120” inch long / Two Compartment Inserts

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
- 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)

<table>
<thead>
<tr>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>PART #</th>
<th>USED FOR:</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>1/4” x 3/4” Carriage bolt</td>
<td>GSM32026</td>
<td>Main Housing</td>
</tr>
<tr>
<td>80</td>
<td>1/4” Serrated nut</td>
<td>GSM30170</td>
<td>Main Housing</td>
</tr>
<tr>
<td>25</td>
<td>#10 x1-1/4” Phillips pan head sheet metal screw</td>
<td>GSM33197</td>
<td>Floor</td>
</tr>
<tr>
<td>25</td>
<td>#10 x 3/4” Phillips self-drilling sheet metal screw</td>
<td>GSM33504</td>
<td>Wall to ceiling</td>
</tr>
<tr>
<td>12</td>
<td>#10 x 3/4” Phillips flat head screw</td>
<td>GSM34156</td>
<td>Vent plates/dome lights</td>
</tr>
<tr>
<td>10</td>
<td>#10 x 1/2” Phillips flat head screw</td>
<td>GSM33150</td>
<td>AC cover to wall (driver side rear)</td>
</tr>
<tr>
<td>32</td>
<td>1/4” x 3/4” Phillips flat head machine screw</td>
<td>GSM33087</td>
<td>Wall/Bench extension</td>
</tr>
<tr>
<td>25</td>
<td>1/4” x 3/4” Hex head bolt</td>
<td>GSM32980</td>
<td>3rd divider, 3rd ceiling</td>
</tr>
<tr>
<td>25</td>
<td>1/4” Flat washer</td>
<td>GSM31000</td>
<td>3rd divider, 3rd ceiling</td>
</tr>
<tr>
<td>15</td>
<td>1/2” Flat washer</td>
<td>GSM31009</td>
<td>Grab straps/seat belts</td>
</tr>
<tr>
<td>15</td>
<td>1/2” Lock washer</td>
<td>GSM31030</td>
<td>Grab straps/seat belts</td>
</tr>
<tr>
<td>15</td>
<td>1/2” x 1-3/4” Socket button head bolt</td>
<td>GSM33315</td>
<td>Grab straps/seat belts</td>
</tr>
<tr>
<td>5</td>
<td>Mounting /Backing plate</td>
<td>KKM007376</td>
<td>Bulkheads</td>
</tr>
<tr>
<td>5</td>
<td>3/8” x 2-1/4” Grade 8 Hex head bolt</td>
<td>GSM34023</td>
<td>Bulkheads</td>
</tr>
<tr>
<td>5</td>
<td>3/8” Grade 8 Hex nut</td>
<td>GSM30171</td>
<td>Bulkheads</td>
</tr>
<tr>
<td>5</td>
<td>3/8” Lock washer</td>
<td>GSM31028</td>
<td>Bulkheads</td>
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<tr>
<td>5</td>
<td>3/8” x 1” Fender washer</td>
<td>GSM31144</td>
<td>Bulkheads</td>
</tr>
<tr>
<td>5</td>
<td>3/8” x 1.625” Fender washer</td>
<td>GSM31149</td>
<td>Bulkheads</td>
</tr>
<tr>
<td>1</td>
<td>White Silicone tube</td>
<td>PRM97343</td>
<td>Seams &amp; Gaps</td>
</tr>
<tr>
<td>4</td>
<td>Lock key</td>
<td>PRM97660-1</td>
<td>Doors</td>
</tr>
<tr>
<td>4</td>
<td>Vent block off plate</td>
<td>KKM0403-004</td>
<td>Ceiling (vent adapter kit)</td>
</tr>
<tr>
<td>1</td>
<td>Dome lights (two per kit)</td>
<td>KK-DOME-2-LED</td>
<td>Ceiling</td>
</tr>
<tr>
<td>1</td>
<td>LABEL - HEAD RESTRAINT</td>
<td>CM007098</td>
<td>Dash</td>
</tr>
<tr>
<td>4</td>
<td>LABEL – GRAB STRAPS</td>
<td>KKM99090</td>
<td>PT compartment walls</td>
</tr>
</tbody>
</table>

**HARDWARE KIT # KKM007453 - 40” Forward Compartment:**

<table>
<thead>
<tr>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>PART #</th>
<th>USED FOR:</th>
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<tbody>
<tr>
<td>90</td>
<td>1/4” x 3/4” Carriage bolt</td>
<td>GSM32026</td>
<td>Main Housing</td>
</tr>
<tr>
<td>90</td>
<td>1/4” Serrated nut</td>
<td>GSM30170</td>
<td>Main Housing</td>
</tr>
<tr>
<td>25</td>
<td>#10 x1-1/4” Phillips pan head sheet metal screw</td>
<td>GSM33197</td>
<td>Floor</td>
</tr>
<tr>
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<td>GSM33504</td>
<td>Wall to ceiling</td>
</tr>
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<td>GSM34156</td>
<td>Vent plates/dome lights</td>
</tr>
<tr>
<td>5</td>
<td>1/2” Flat washer</td>
<td>GSM31009</td>
<td>Grab straps/seat belts</td>
</tr>
<tr>
<td>5</td>
<td>1/2” Lock washer</td>
<td>GSM31030</td>
<td>Grab straps/seat belts</td>
</tr>
<tr>
<td>5</td>
<td>1/2” x 1-3/4” Socket button head bolt</td>
<td>GSM33315</td>
<td>Grab straps/seat belts</td>
</tr>
</tbody>
</table>
HARDWARE KIT # KKM007453 - 40” Compartment (continued):

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

HARDWARE KIT # HK-277 – Center Divider:

<table>
<thead>
<tr>
<th>QTY</th>
<th>DESCRIPTION</th>
<th>PART #</th>
<th>USED FOR:</th>
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</thead>
<tbody>
<tr>
<td>28</td>
<td>1/4” x 1-1/2” Hex head lag bolt</td>
<td>GSM33062</td>
<td>Divider to floor</td>
</tr>
<tr>
<td>7</td>
<td>1/4” x 3/4” Stainless socket button head bolt</td>
<td>GSM33309</td>
<td>Divider to 3rd comp</td>
</tr>
<tr>
<td>7</td>
<td>1/4” Stainless flat washer</td>
<td>GSM31048</td>
<td>Divider</td>
</tr>
<tr>
<td>10</td>
<td>#10 x 1/2” Phillips flat head machine screw</td>
<td>GSM33080</td>
<td>Door frame to divider</td>
</tr>
<tr>
<td>10</td>
<td>#10 Thin Nylock nut</td>
<td>GSM330015-1</td>
<td>Door frame to divider</td>
</tr>
</tbody>
</table>

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” 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.

**Unpacking and Parts Identification:**

Note: Unpacking photos are for reference only. Some photos show double or triple compartment parts not used in the single compartment insert.

See following 4 pages of this instruction for parts identification.
PT-F06-120-2B

KKM006493-DS
KKM006493-PS
KKM006526
KKM008458
KKM006522-PS
KKM008450
KKM008460
KKM006517
KKM008554
KKM006493
KKM007456

KKM006907
KKM006453-PS
KKM006450

KKM006457-DS
KKM006457-PS

KKM006455
KKM006453
KKM006457
KKM006935
KKM006907
KKM006935

KKM006967
Remove clear shrink-wrap covering the prisoner transport assembly.

This is the rear 60” or 80” section of the kit.

Remove bolts holding the kit to the wood pallet.

With all hardware removed the remaining sections should match the sub-assemblies on the following pages.
Remove only black hardware from assembled unit. This will give you the subassemblies as they are shown on the following pages.
Driver Side Bench/Wall/ Front bulkhead wing section

Passenger Side Rear Bench/Wall assembly

Front Bulkhead minus driver-side wing section

(2) - Diamond plate floor

Passenger-side rear ceiling

Driver-side ceiling

Front compartment ceiling

Rear bulkhead door assembly Double door
(2 compartment bulkhead shown)
Single compartment will have one (1) 30” wide rear door

NOTE: The installer must drill the wall for the upper mounting screws of the rear AC blower cover. Drill with 5/32” drill bit and attach with the supplied # 10 x 3/4” flat head sheet metal screws
**IMPORTANT:**

Be sure that all wiring for Auxiliary lighting, video system and options are complete prior to main Insert installation. Access is limited after kit is installed.

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 at this time. This must be installed prior to insert.

If optional Power Vent(s) (PT-A-920) was ordered, see those instructions at this time for necessary prep work that must 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 measurements and insert parts 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***
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 areas 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.
Install plywood into van. Remove wings from front bulkhead and place in van. Lean against front seats.

Install driver side wing from middle bulkhead onto driver side bench assembly.

Attach previously removed driver side wing onto the front section of the driver side bench assembly.

With the help of a second person load the driver side bench into the van. Attach loosely to front bulkhead using 1/4” x 3/4” carriage bolts and nuts.

Attach loosely to front bulkhead using 1/4” x 3/4” carriage bolts and nuts.

Slide smaller diamond plate floor into the van from the side door.

Slide in middle bulkhead and loosely attach to the middle wing assembly

Prop door open and slide into position at the side door of the van.

With the help of a second person load the door into the van. Attach to front and middle bulkheads.
Load the passenger bench assembly into the van and loosely attach to the middle bulkhead.

Pull previously ran hoses and wires for dome lights over the side of the bench.

Repeat process for forward compartment.

HVAC Notes:
1. If installing PT-A-503 vent adaptor kit, the heater ductwork for rear compartment must be routed through front bulkhead, side bench, middle wall and finally attach to vent on driver side bench. See PT-A-503 for other installation details.
2. Removing the clear polycarbonate from middle wall hatch will improve HVAC temp control in both compartments.

Load the rear door assembly into the van by leaning the top into the van first and then lifting in the bottom.

Slide in the driver side ceiling. Pull the hoses and wires through their respective holes.

Slide in the passenger side ceiling making sure to allow the hoses and wires to drop down.

Slide in the rear diamond plate floor taking care not to scratch the benches.

Attach door to benches and wings.
Loosely install the front bench assembly to the front bulkhead.

Once the kit is squared up, attach the door frame to the floor using #10 sheet metal screws. *Repeat for front bulkhead.*

Square up the corners of the kit to the specific measurements included in the PT-A-3XX instructions. Make sure the kit is centered and even.

Attach the ceiling to the benches by making sure the ceiling and bench walls are even. Drill 5/32 a pilot holes and attach together using #10 sheet metal screws.

Roughly every 10” mark between the diamonds. There should be four (4) evenly spaced rows. Make sure the outer rows go through the floor and the bench lip.

Once ceiling and floor are secured, screw down side door frame.

Attach the bench to the floor using sheet metal screws. Attach to the side of the driver side bench using the same sheet metal screws.

Predrill the floor at the middle bulkhead and attach using #14 Lag bolts.

Predrill all holes with a 3/16” drill bit through the diamond plate floor only!!!
Adjust front and side doors. Make sure both stages of the latch assembly engage evenly when door is closed. Adjusting the door height, and door striker may be necessary.

Install door holders.

Caulk all seams to prevent moisture from getting under the kit.

Follow instructions on following page for seatbelt and seat divider installation.

Drill door frame and front bulkhead using a 3/8” drill bit.

Drop 3/8” bolt and washer through previously drilled holes.

Tighten using fender washer, lock washer, and nut.

Follow instructions included in the PT-A-3XX instructions for final trim assembly.
Mount Seat Belts and Grab Straps to bench with 1/2" x 1-3/4" bolts, lock washers and flat washers. 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.

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 four (4) Safety labels to Center Divider or walls. **Hold on to Straps When Vehicle is in Motion.**

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

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 separately)

Flip Down Step PT-A-902

Power Vent PT-A-920

Sound Deadening Insulation PT-A-904

Rear LED Load Light PT-A-916

Under bench storage PT-A-906
Can be installed under PT-XXX-XXX-2B forward compartment rear facing bench.

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