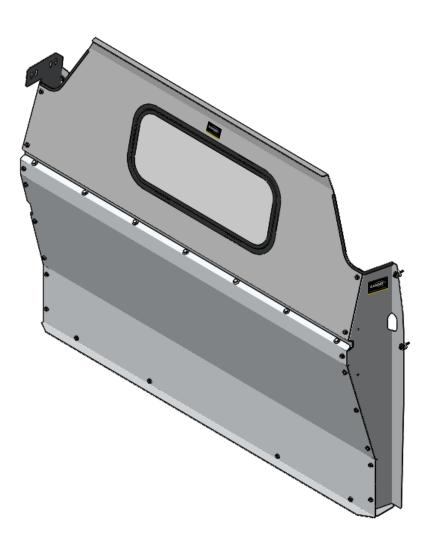
INSTALLATION GUIDE



3020-FTL CONTOURED PARTITION

Transit Partition (Polycarbonate Window, Aluminum)



Scan the QR for the latest Install-Guide.

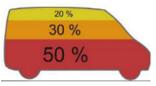


BEFORE YOU BEGIN

READ, UNDERSTAND, AND FOLLOW ALL WARNINGS AND INSTRUCTIONS BEFORE USING THIS PRODUCT. FAILURE TO FOLLOW THESE DIRECTIONS MAY RESULT IN PROPERTY DAMAGE, SERIOUS BODILY INJURY, AND/OR DEATH. RANGER DESIGN IS NOT RESPONSIBLE FOR ANY PROPERTY DAMAGE, PERSONAL INJURY, OR DEATH THAT OCCURRED WHILE USING ANY RANGER DESIGN PRODUCTS.



- Failure to use Ranger Design-provided fasteners, brackets, and proper installation guidelines could increase risk of serious personal injury and/or death.
- If drilling is required to complete this installation: improper drilling can cause property damage to vehicles and could lead to electric shock, fire, or even death.
- If drilling is required to complete this installation: Ensure that drilling is only performed on areas of the vehicle allowed by the vehicle's Original Equipment Manufacturer's Body Builders Layout Book (or equivalent document).
- Prior to installation, inspect the vehicle to ensure that installation will not interfere with, or cause obstruction of, any critical components such as electrical wiring, fuel tanks, fuel-cells, locks, latches, etc.
- The installer or manufacturer is responsible for ensuring anchorages are installed onto suitable wall and floor structures; wall and floor strength must meet applicable performance requirements.
- Do not install systems into any weak or unsound materials such as plastics, woods, thin-walled metals, etc. without proper reinforcement.
- Do not install this product where it could interfere with the deployment of airbags. Failure to comply could result in death or serious injury.
- Do not install this product where it could ingress on the Transit Occupant Protection Zone. Failure to comply could result in death or serious injury.
- Incorrect installation could cause water leaks, electric shock or fire.
- Any cargo vehicle with any cargo or equipment should use a certified partition. See Ranger Design website for some partition options. (https://rangerdesign.com/)
- Mountings rails are recommended for any attachment to the vehicle walls.
- All items in the cargo area should be properly secured and partition doors closed while the vehicle is in motion.
- Check your vehicle's tare weight and remaining load capacity with all the equipment installed. Never exceed the maximum Gross Vehicle Weight Rating (GVWR), Gross Axle Weight Ratings (GAWRs), or other maximum loads permitted by the vehicle's Original Equipment Manufacturer (OEM) and required by law.
- The heaviest items must be placed towards the bottom of the vehicle, while the lightest ones can be arranged upwards. Vehicle cargo loading weight proportion should follow the following guidelines:



- The final alterer and/ or modifier should review the warning sheet with the customer before the vehicle is released to the customer or for general use. These instructions should remain with the vehicles a all times.
- Any modification or unintended use of this product voids any warranty and could create a hazardous condition.
- Ranger Design provides recommended assembly and installation instructions which should be followed to
 ensure correct operation. Failure to do so could result in invalidating the product's compliance, warranty and
 cause injury. Notwithstanding, the final stage vehicle alterer and/or modifier is responsible for the integration,
 installation, and compliance of the product in its final location to all applicable regulations and standards. Failure
 to maintain compliance of the vehicle to applicable regulations and standards could be punishable by law. Alterers and/or modifiers should consult with all local authorities prior to commissioning.



- Drilling is required to complete this installation. Before drilling, ensure that you will not hit any critical parts of the vehicle like the gas tank, wiring harness, or hose. Consult the vehicle OEM documentation as necessary. When drilling, use a drill collar to reduce the risk of damage to the vehicle.
- Any materials, padding, or glazing installed in the vehicle must comply with FMVSS/CMVSS 201/205/302, as applicable.
- In the event of a motor vehicle accident or collision where a Ranger system has been installed, especially ones where the vehicle structure is damaged and/or the air bags deploy and/or the vehicle has been towed, the system must be inspected to ensure continued soundness and safety before returning the vehicle to service. Damaged components should be replaced as necessary.
- All system components should be regularly inspected, cleaned, and maintained pursuant to Ranger guidelines.



QUICK START GUIDE

Phase 1 - Assembly

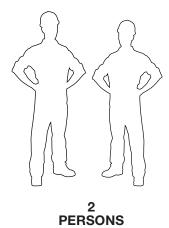
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Phase 2 - Installation

2.1 Tips on how to attach a plusnut	.7
2.2 Vehicle preparation	
2.3 Contoured partition installation	

REQUIRED ITEMS

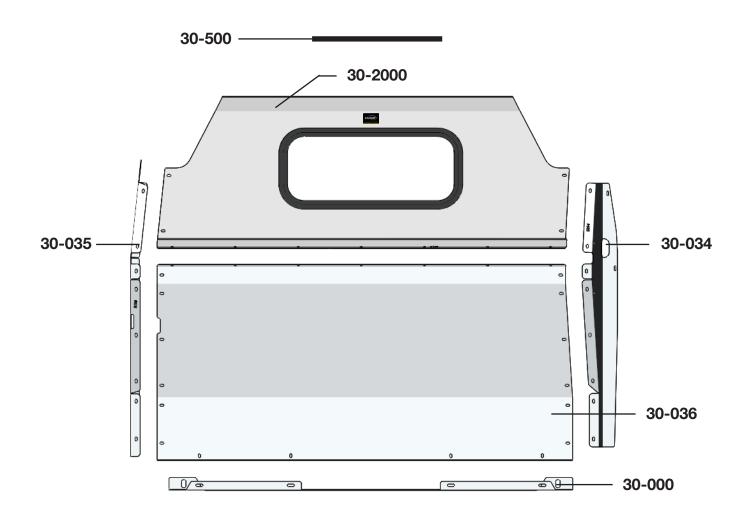
- Cordless Impact
- Cordless Drill
- Cutter
- □ Flat Screwdriver
- Mallet
- Marker
- Plusnut Tool
- Socket Wrench
- Tape Measure
- □ 3/8" Drill Bit
- □ 7/16" Socket
- □ 1/2" Socket
- □ 9/16" Wrench
- □ 1" Hole Saw
- □ 10mm Socket
- □ 13mm Socket
- □ T50 Torx Bit





PHASE 1 – ASSEMBLY 1.1 SETUP

1.1.1 Unpack components; compare with the bill of materials.

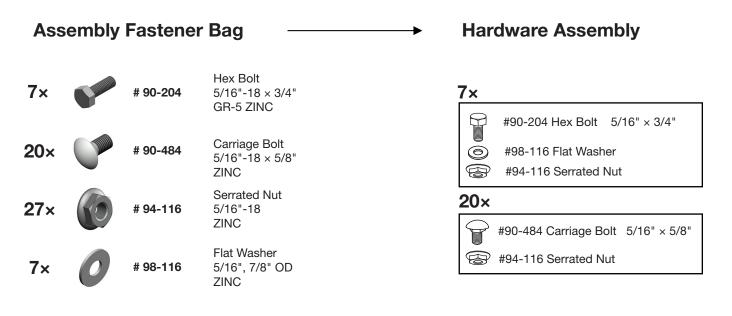


1.1.2 Verify all parts are present.

Item No.	Description	Qty.
30-000	Floor Bracket	1
30-034	Passenger Side Wing	1
30-035	Driver Side Wing	1
30-036	Lower Panel	1
30-500	Edge Trim (QTY in Inches)	38
79-932	Warning Label-Bilingual	1
30-2000	Upper Panel w/ Window	1
94-3011	Assembly Fastener Bag	1
96-3005	Installation Fastener Bag	1



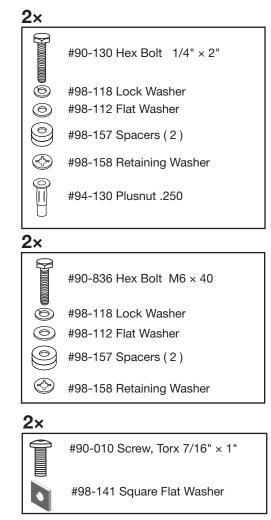
1.1.3 Identify the Assembly and Installation fastener bags.



Installation Fastener Bag

2×		# 90-010	Screw, Torx 7/16"-20 × 1" GR-10.9 ALLOY STL
2×	1 and 1	# 90-130	Hex Bolt 1/4"-20 × 2" GR-5 ZINC
2×		# 90-836	Hex Bolt M6-1.00 × 40 CL 12.9 DIN 933 BLACK OXIDE
2×	0	# 94-130	Plusnut .250
4×	0	# 98-112	Flat Washer 1/4", 3/4" OD ZINC
4×	0	# 98-118	Lock Washer Regular 1/4" ZINC
2×	0	# 98-141	Square Flat Washer 0.438" ID, × 1.000" SQUARE
8×	\bigcirc	# 98-157	Spacer 0.375" ID, × 1.0" OD × 0.25" LONG NYLON
4×	Ø	# 98-158	Retaining Washer M16 (1/4") NYLON

Hardware Assembly

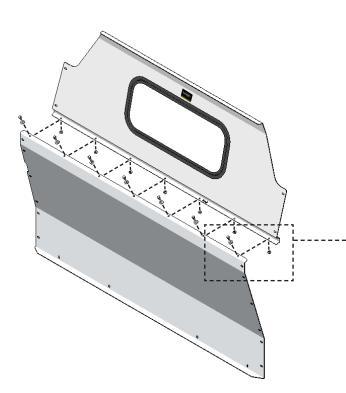


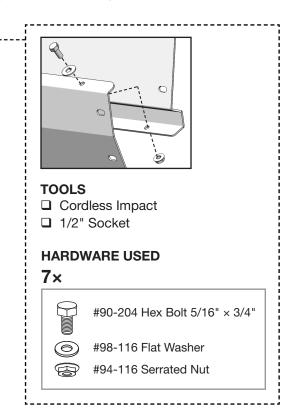


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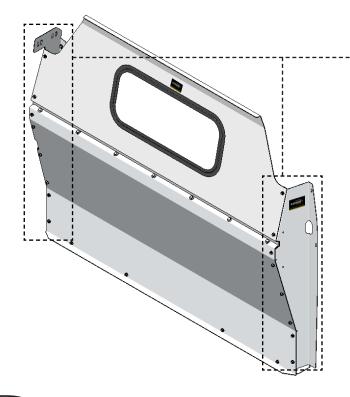
PHASE 1 – ASSEMBLY 1.2 PARTITION ASSEMBLY

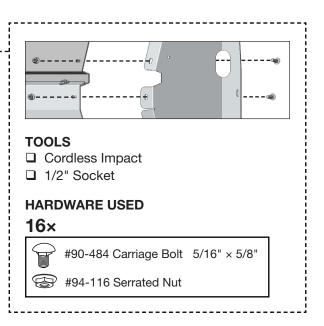
1.2.1 Remove all the PVC from all the parts, then attach the upper panel to the lower panel.





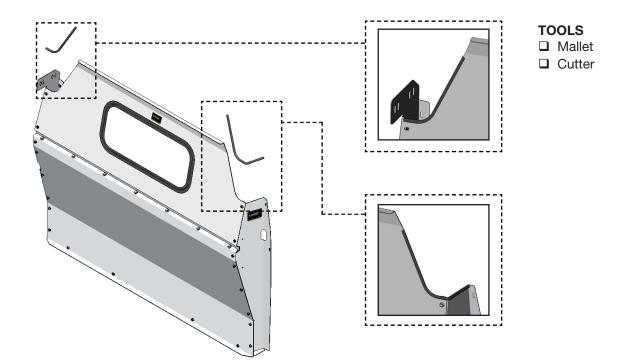
1.2.2 Attach both wings to the upper and lower panels.







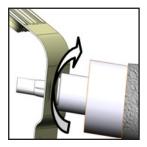
1.2.3 Attach the edge trims on these locations.



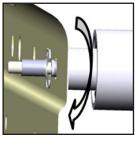
PHASE 2 – INSTALLATION 2.1 TIPS ON HOW TO ATTACH A PLUSNUT

2.1.1 Attach the plusnut using the plusnut gun.

TIPS: Put the plusnut on the plusnut gun, then attach the plusnut in the hole by turning the gun forward until the plusnut locks, then remove the gun by turning in reverse.



FORWARD



REVERSE



- 2.1.2 Attach the plusnut using the 6490 plusnut tool.
- **NOTE:** The hardware used for the 6490 plusnut tool is not included in the fastener bag. The 6490 plusnut tool can be ordered separately upon demand at no charge.



HARDWARE USED

- Flat washer 1/4"
- () Flat washer 1/4" BS × 3/4" OD

TOOLS

- Cordless Impact
- 7/16" Socket
- □ 9/16" Wrench

TIPS STEP 1:

Assemble the 6490 plusnut tool with the hardware needed, plusnut and the 9/16" wrench as shown.





TIPS STEP 2:

Attach the plusnut in the hole by turning the bolt forward using an impact with a 7/16" socket until the plusnut locks, then remove the bolt by turning the impact in reverse.



FORWARD



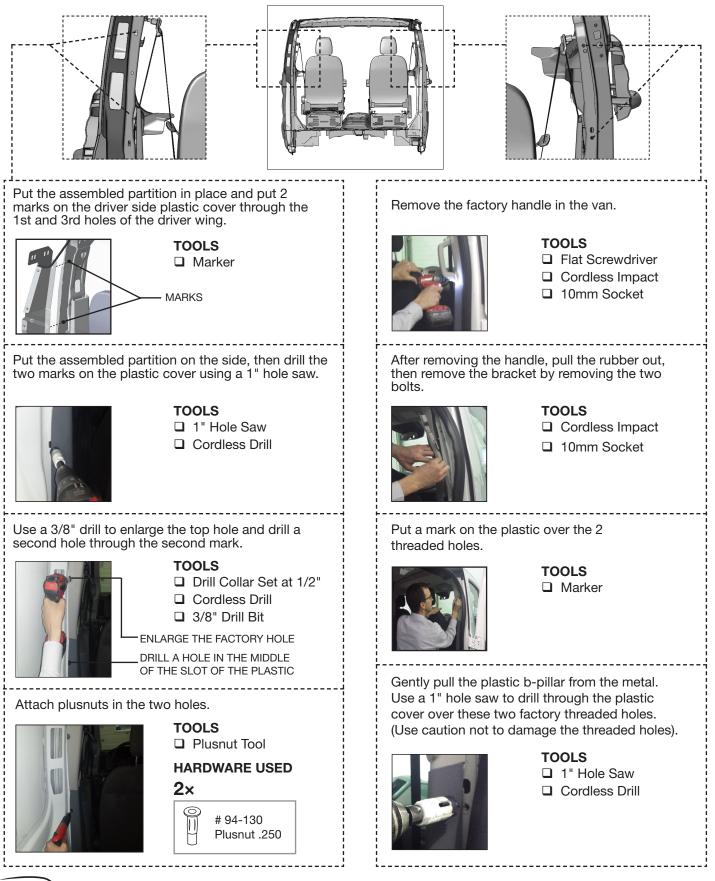
REVERSE

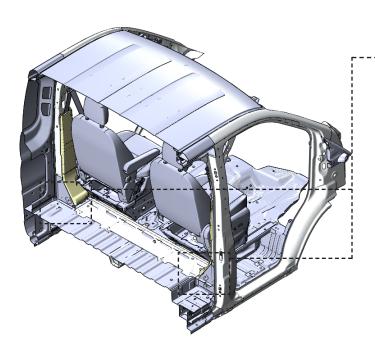


PHASE 2 - INSTALLATION

2.2 VEHICLE PREPARATION

2.2.1 Driver and passenger sides preparation.





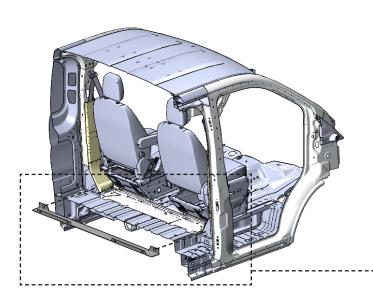
Remove the two D-rings in the floor, for re-use.



TOOLS Cordless Impact 13mm Socket

PHASE 2 – INSTALLATION 2.3 CONTOURED PARTITION INSTALLATION

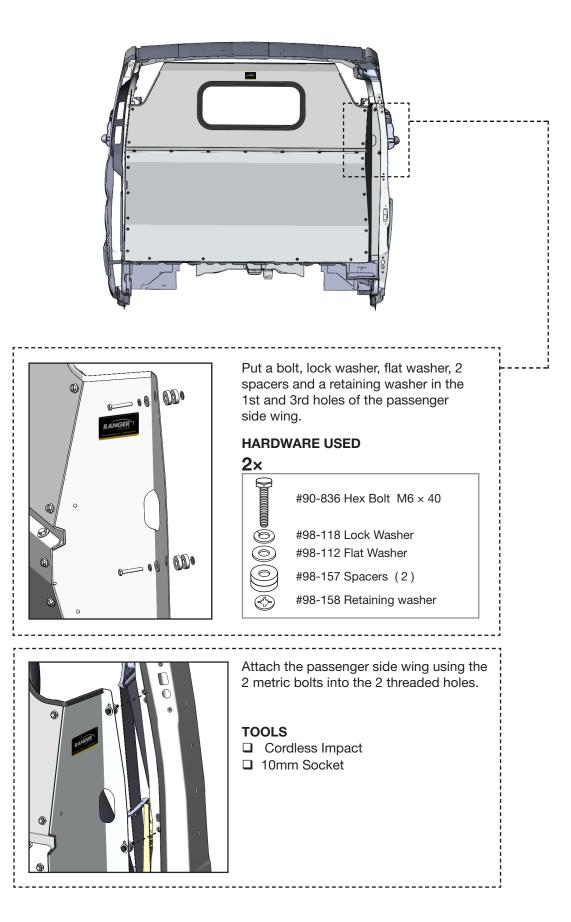
2.3.1 Floor bracket installation.



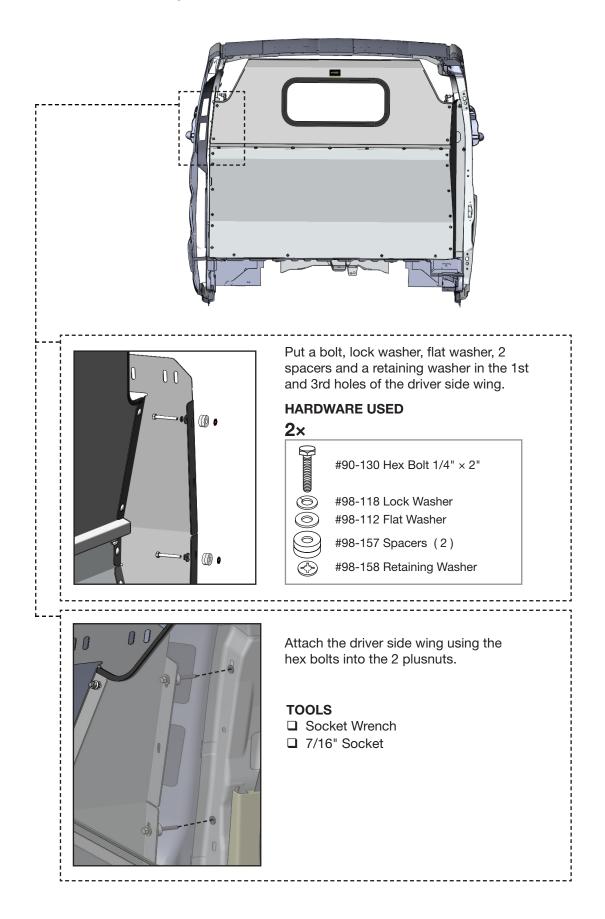




2.3.2 Attach the passenger side wing to the van.

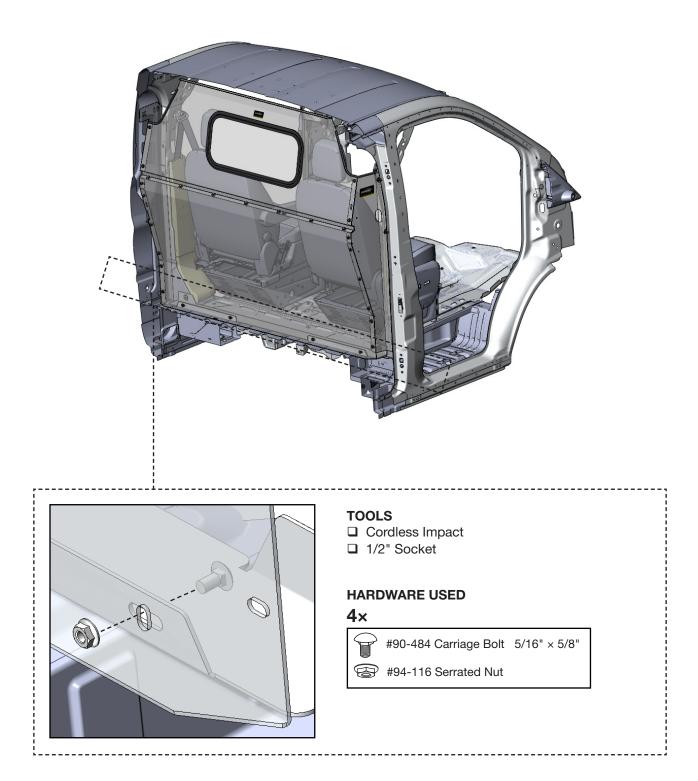






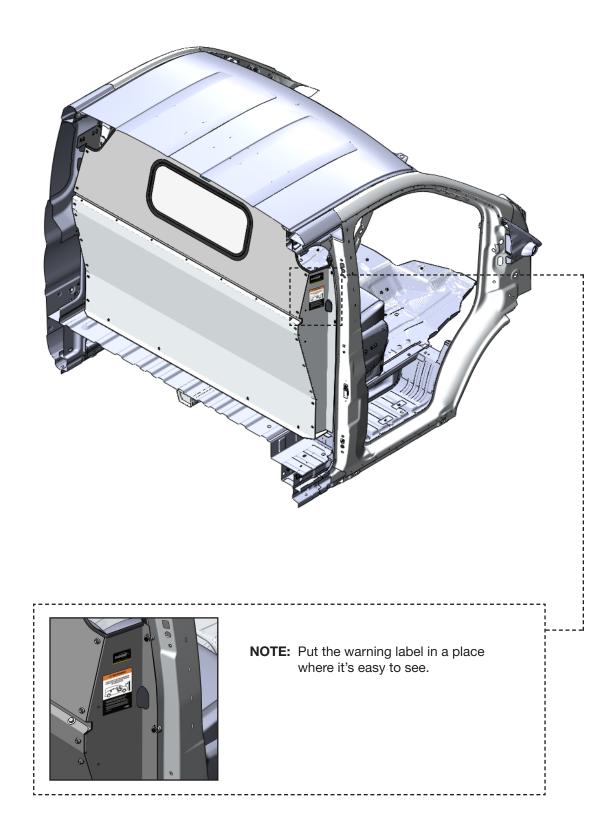


2.3.4 Attach the lower panel to the floor bracket.

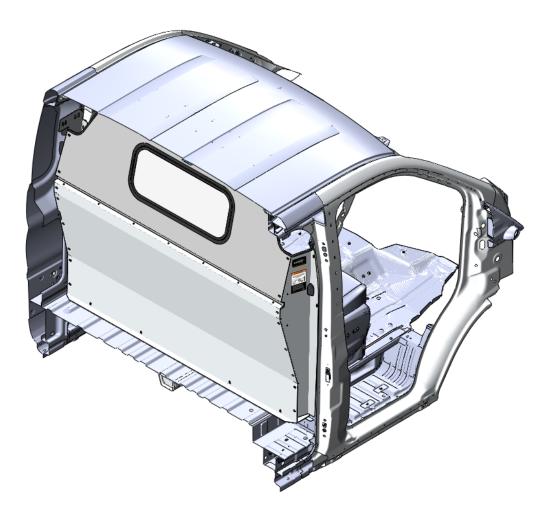




2.3.5 Apply the warning label on the passenger side wing.







"Congratulations, you have successfully installed your Contoured Partition!

Thank you for doing business with us."



