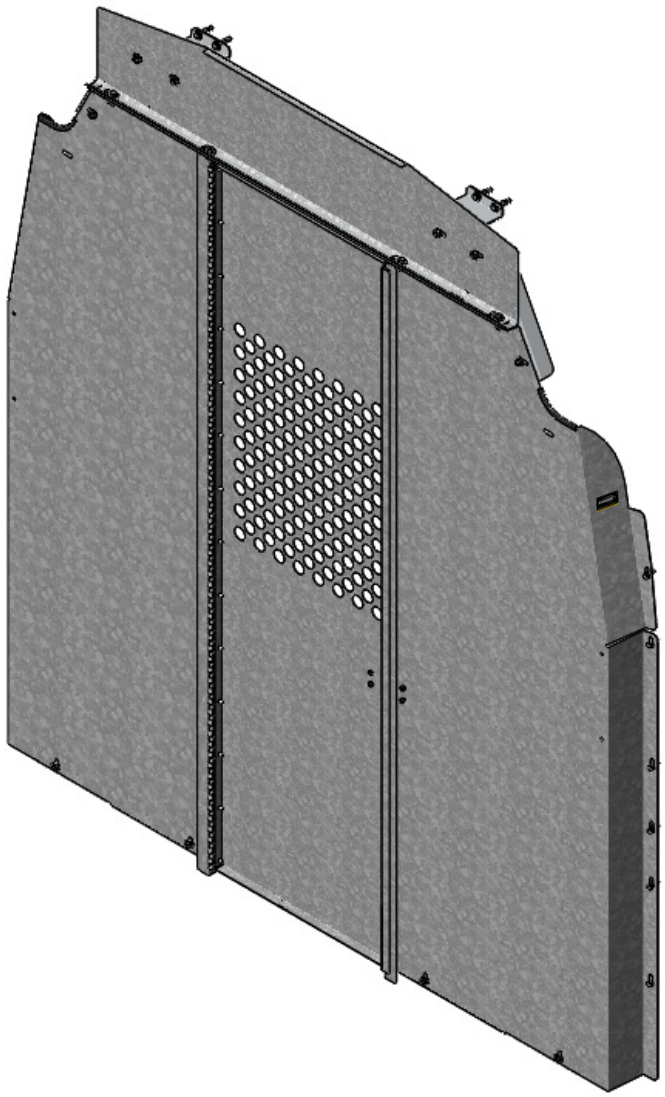
INSTALLATION GUIDE



C30-FTH STRAIGHT PARTITION

Transit Partition (Swing Door, Steel)

RANGER DESIGN

QUICK START GUIDE

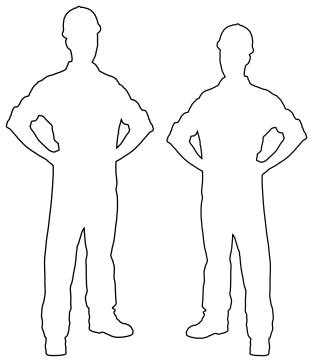
Phase 1 - Assembly

❑ 1.1 Setup..... 3 - 4
❑ 1.2 Partition assembly..... 5

Phase 2 - Installation

❑ 2.1 Tips on how to attach a plusnut..... 6
❑ 2.2 Vehicle preparation..... 7 - 9
❑ 2.3 Swing door partition installation..... 10 - 15

REQUIRED ITEMS



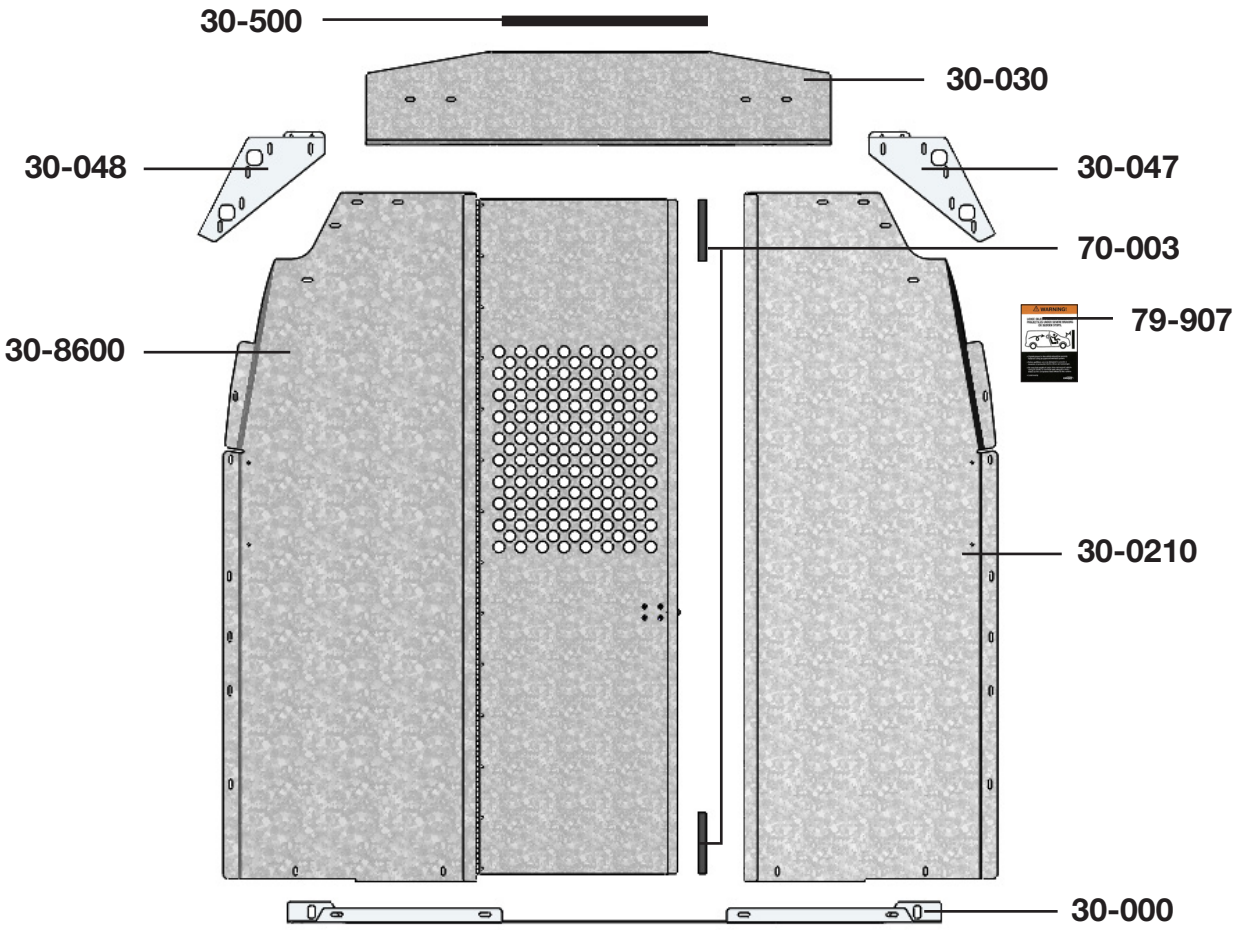
2
PERSONS

- ❑ Cordless Impact
- ❑ Cordless Drill
- ❑ Cutter
- ❑ Mallet
- ❑ Marker
- ❑ Plusnut Tool
- ❑ Socket Wrench
- ❑ Tape Measure
- ❑ 3/8" Drill Bit
- ❑ 7/16" Socket
- ❑ 1/2" Socket
- ❑ 9/16" Wrench
- ❑ 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
30-030	Upper Panel	1
30-047	Passenger Side Ceiling Bracket	1
30-048	Driver Side Ceiling Bracket	1
30-500	Edge Trim (QTY in Inches)	18
70-003	Foam Tape (QTY in Inches)	10
79-907	Warning Label	1
30-0210	Passenger Side Panel	1
30-8600	Driver Side Panel w/ Swing Door	1
94-3018	Assembly Fastener Bag	1
96-3010	Installation Fastener Bag	1

1.1.3 Identify the **Assembly** and **Installation** fastener bags.

Assembly Fastener Bag → Hardware Assembly

4×		**# 90-200**	Hex Bolt 5/16"-18 × 1/2" GR-5 ZINC
12×		**# 90-482**	Carriage Bolt 5/16"-18 × 1/2"
16×		**# 94-116**	Serrated Nut 5/16"-18 ZINC
4×		**# 98-116**	Flat Washer 5/16", 7/8" OD ZINC

4×

#90-200 Hex Bolt 5/16" × 1/2"

#98-116 Flat Washer

#94-116 Serrated Nut

12×

#90-482 Carriage Bolt 5/16" × 1/2"

#94-116 Serrated Nut

Installation Fastener Bag → Hardware Assembly

2×		**# 90-010**	Screw, Torx 7/16"-20 × 1" GR-10.9 ALLOY STL
10×		**# 90-118**	Hex Bolt 1/4"-20 × 1-1/4" GR-5 ZINC
6×		**# 90-971**	Hex Bolt Serrated Bolt Type 23 M6-1.00 × 20mm BO
10×		**# 94-130**	Plusnut .250
10×		**# 98-112**	Flat Washer 1/4", 3/4" OD ZINC
10×		**# 98-118**	Lock Washer Regular 1/4" ZINC
2×		**# 98-141**	Square Flat Washer 0.438" ID, × 1.000" SQUARE

10×

#90-118 Hex Bolt 1/4" × 1-1/4"

#98-118 Lock Washer

#98-112 Flat Washer

#94-130 Plusnut .250

6×

#90-971 Hex Bolt M6-1.0 × 20mm

2×

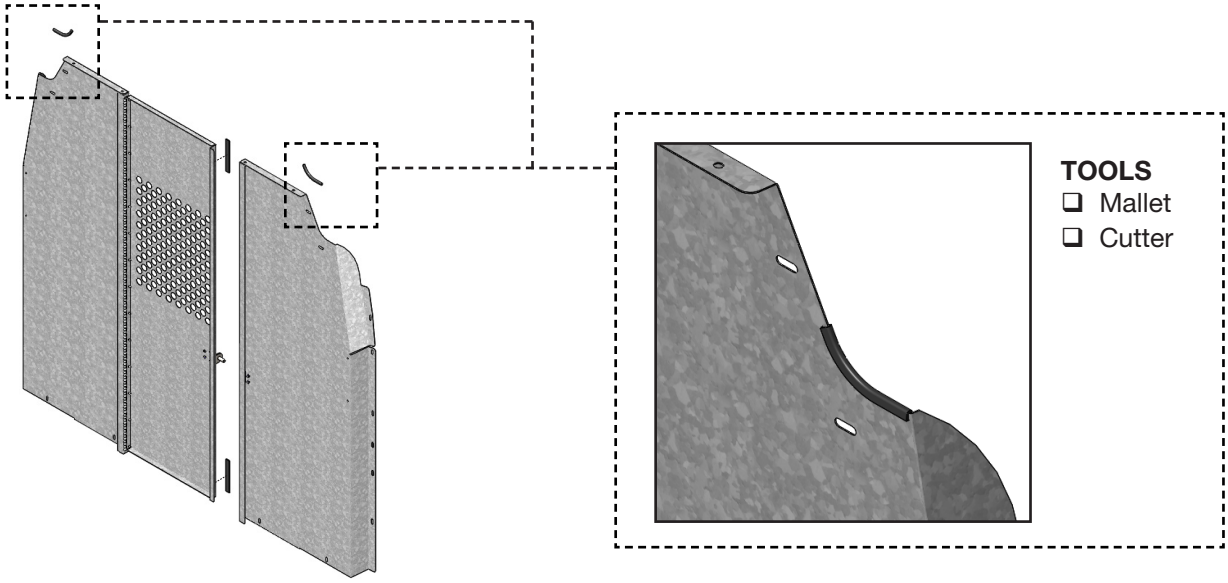
#90-010 Screw, Torx 7/16" × 1"

#98-141 Square Flat Washer

PHASE 1 – ASSEMBLY

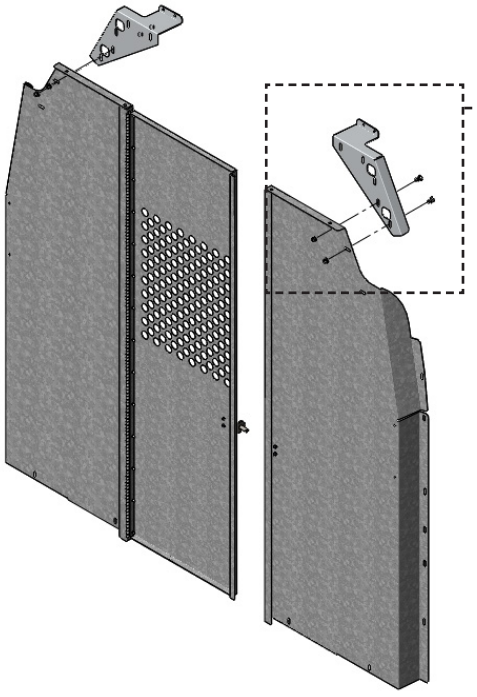
1.2 PARTITION ASSEMBLY

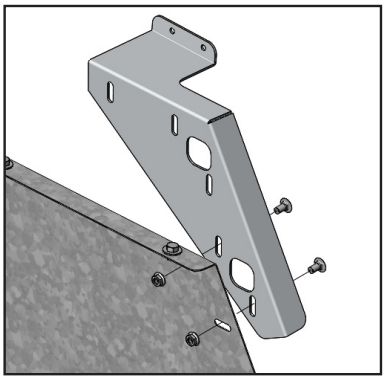
1.2.1 Remove all the PVC from all the parts, then attach 5" foam tapes on the top and bottom of the swing door and attach the edge trims on the driver and passenger side panel.



TOOLS
- ❑ Mallet
- ❑ Cutter

1.2.2 Attach the driver side and passenger side ceiling brackets to the driver and passenger side panels.





TOOLS
- ❑ Cordless Impact
- ❑ 1/2" Socket

HARDWARE USED

4×

#90-482 Carriage Bolt 5/16" × 1/2"

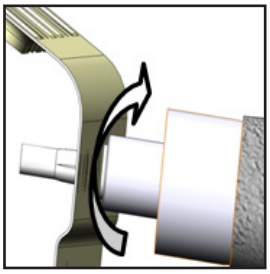
#94-116 Serrated Nut

PHASE 2 – INSTALLATION

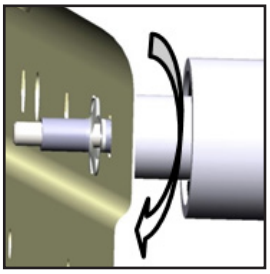
2.1 TIPS ON HOW TO ATTACH A PLUSNUT

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

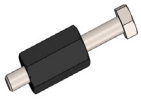


REVERSE

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.

6490



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.

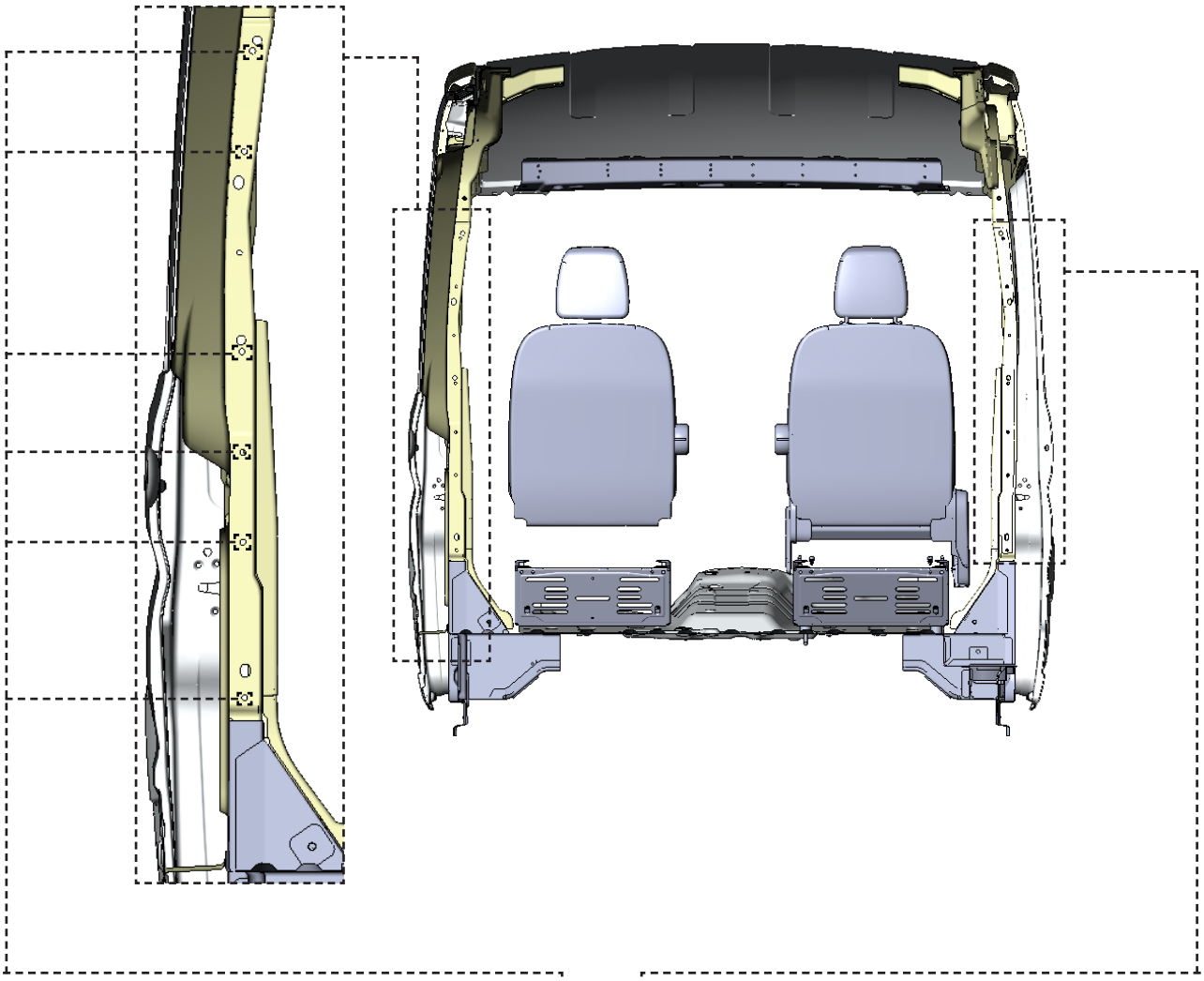
FORWARD

REVERSE

PHASE 2 – INSTALLATION

2.2 VEHICLE PREPARATION

2.2.1 Driver and passenger sides preparation.



Attach plusnuts on the six factory holes.

TOOLS

❑ Plusnut Tool

HARDWARE USED

6×

 # 94-130
Plusnut .250

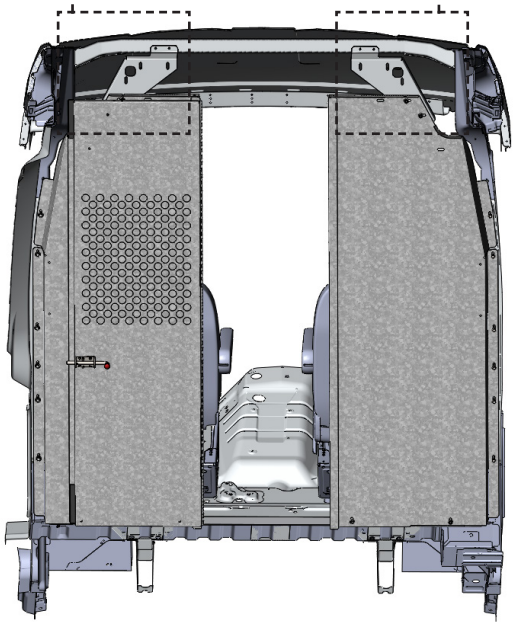
Remove the factory handle in the van.

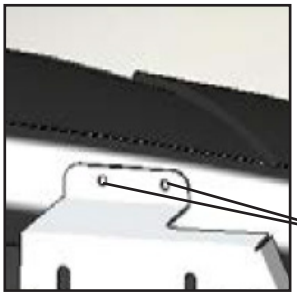
TOOLS

❑ Cordless Impact

❑ 10mm Socket

2.2.2 Ceiling preparation.





Lift the driver side panel w/ swing door and the passenger side panel inside the van and put them in place, then put 4 marks on the van through the holes of the driver and passenger side ceiling brackets.

TOOLS
- ❑ Marker

Lift the swing door and passenger side panel on the side, then drill the 4 marks using the 3/8" drill bit or step drill.

TOOLS
- ❑ Cordless Drill
- ❑ 3/8" Drill Bit or Step Drill

Attach plusnuts in the 4 holes.

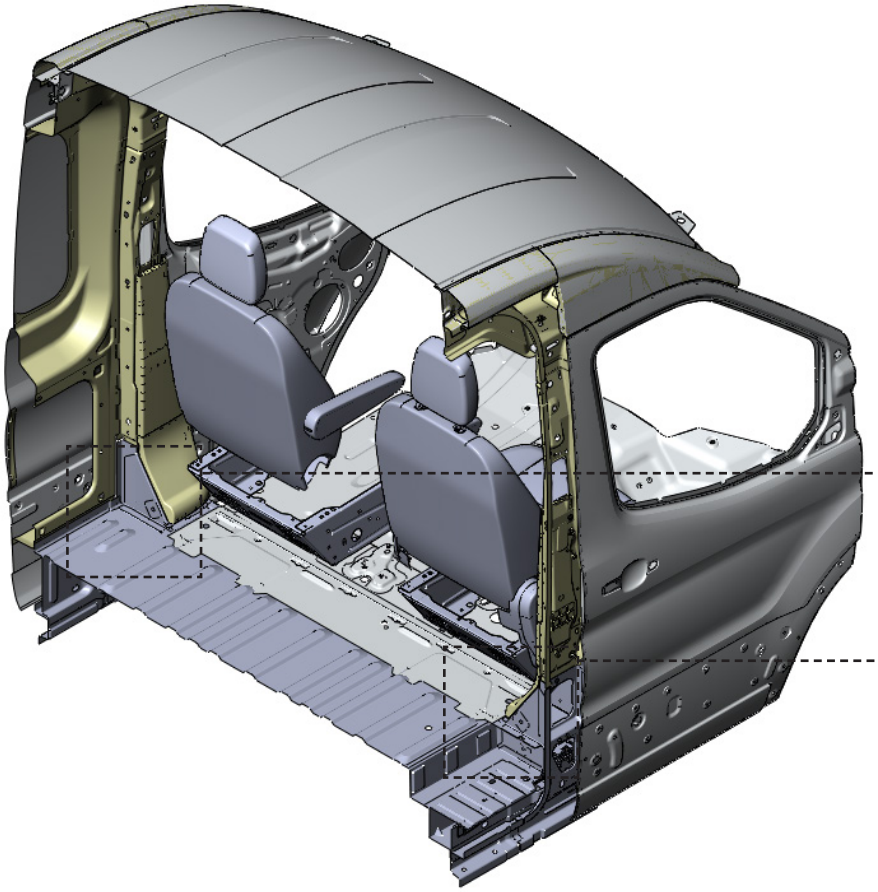
TOOLS
- ❑ Plusnut Tool

HARDWARE USED

4×

94-130
Plusnut .250

2.2.3 Floor preparation.



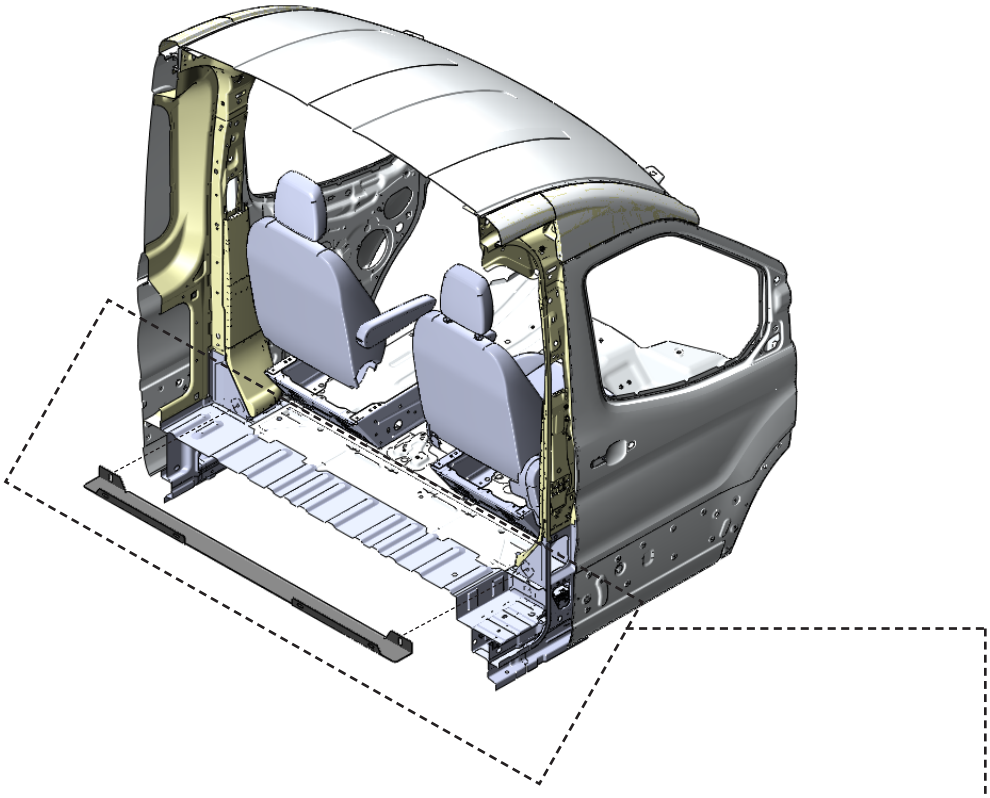
Remove the two D-rings in the floor, for re-use.

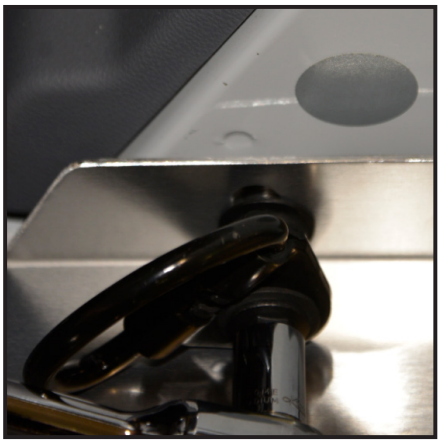
TOOLS

- ❑ Cordless Impact
- ❑ 13mm Socket

PHASE 2 – INSTALLATION
2.3 SWING DOOR PARTITION INSTALLATION

2.3.1 Floor bracket installation.





Attach the floor bracket to the floor re-using the 2 D-ring bolts with the addition of the square washers, in between the D-rings and floor bracket.
Note: Use 90-010 if D-rings are not available.

TOOLS
- ❑ Socket Wrench
- ❑ 13mm Socket
- ❑ T50 Torx Bit

HARDWARE USED

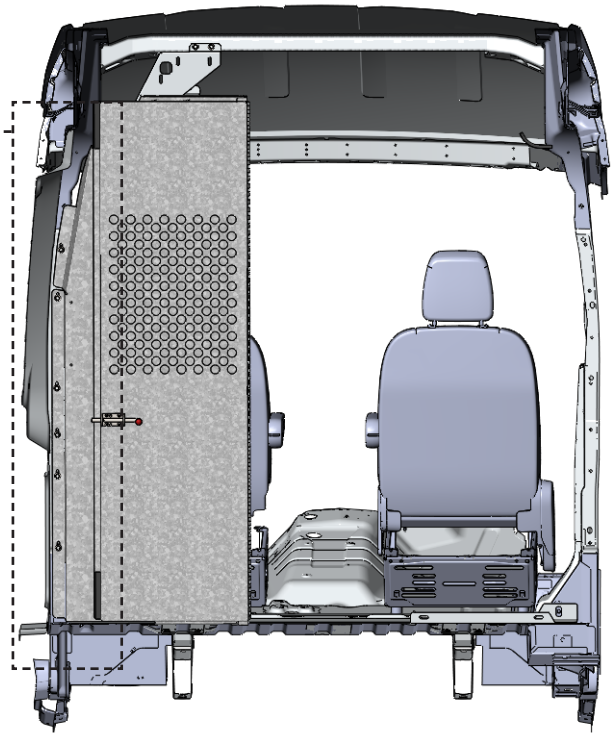
2×

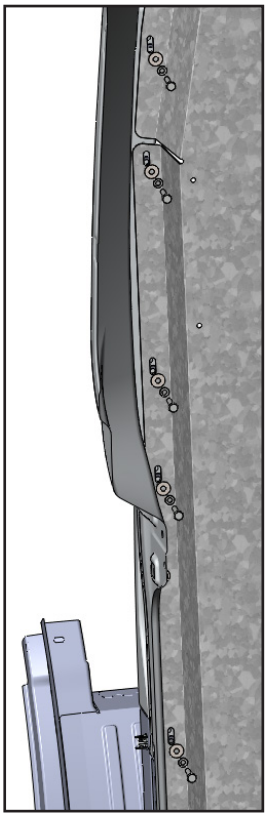
2×

#90-010 Screw, Torx 7/16" × 1"

#98-141 Square Flat Washer

2.3.2 Attach the driver side panel w/ swing door to the van.





TOOLS

- ❑ Cordless Impact
- ❑ 7/16" Socket

HARDWARE USED

6×

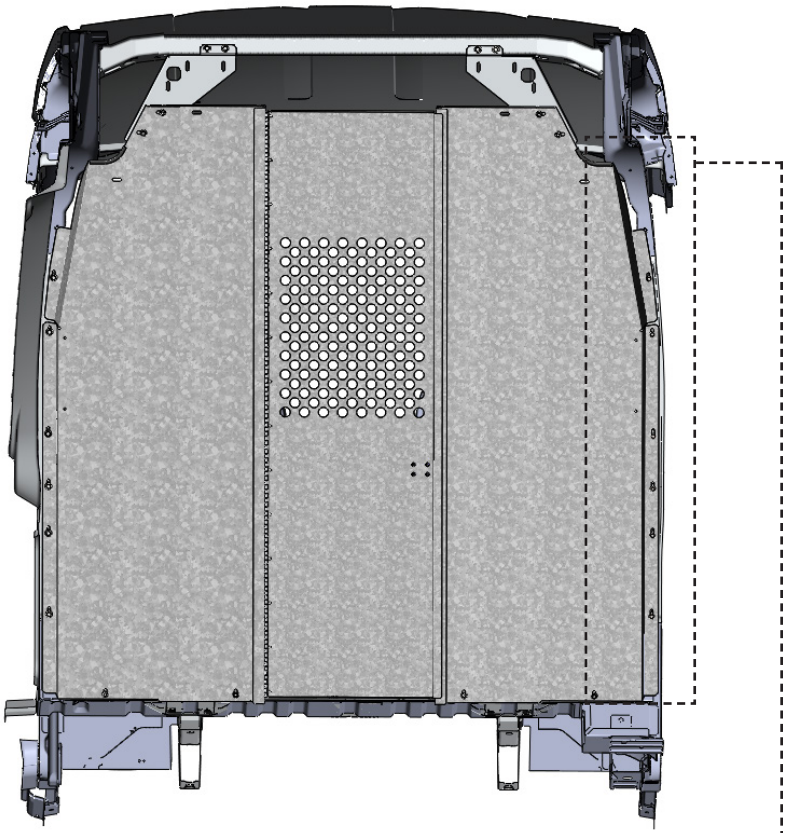
#90-118 Hex Bolt 1/4" × 1-1/4"

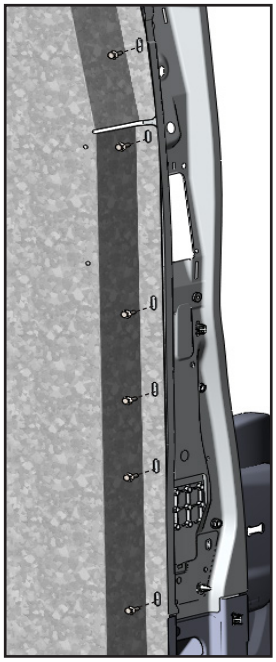
#98-118 Lock Washer

#98-112 Flat Washer

2.3.3 Attach the passenger side panel to the van.

NOTE: Do not tighten the bolt too much to prevent breakage.





TOOLS

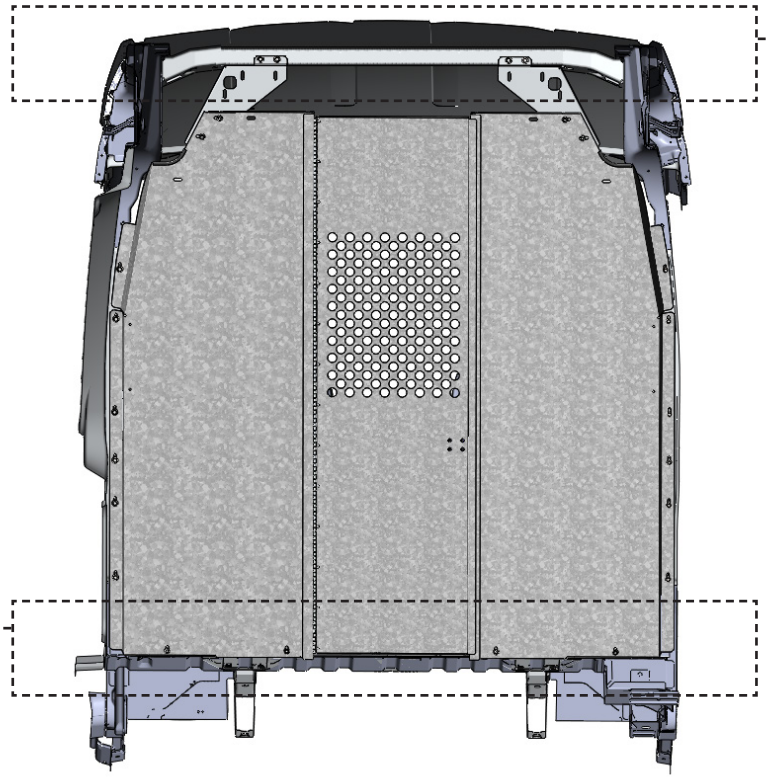
- ❑ Cordless Drill
- ❑ 10mm Socket

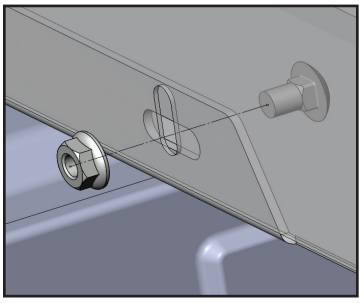
HARDWARE USED

6×

#90-971 Hex Bolt M6-1.0 × 20mm

2.3.4 Attach the driver and passenger side ceiling brackets to the van, then attach the driver and passenger side panels to the floor bracket.





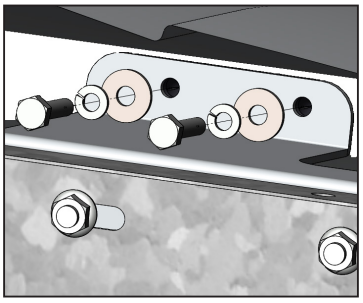
TOOLS

- ❑ Cordless Impact
- ❑ 1/2" Socket

HARDWARE USED

4×

- #90-482 Carriage Bolt 5/16" × 1/2"
- #94-116 Serrated Nut



TOOLS

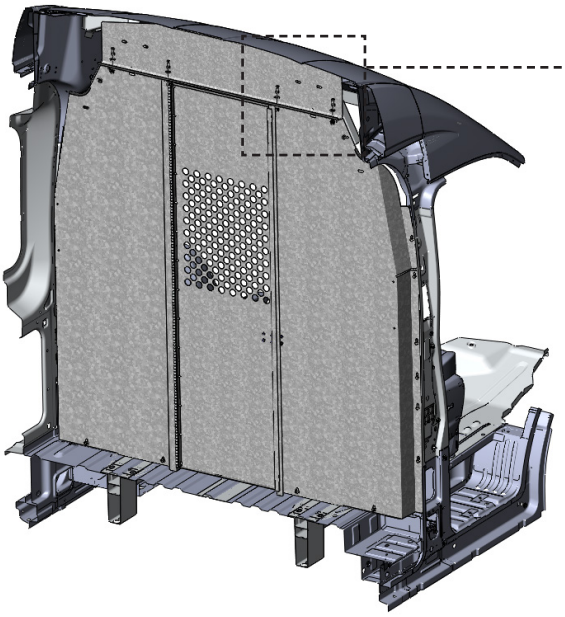
- ❑ Cordless Impact
- ❑ 7/16" Socket

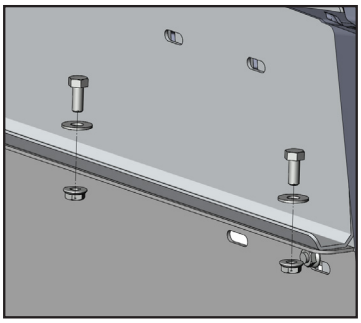
HARDWARE USED

4×

- #90-118 Hex Bolt 1/4" × 1-1/4"
- #98-118 Lock Washer
- #98-112 Flat Washer

2.3.5 Attach the upper panel to the driver and passenger side panels.





TOOLS

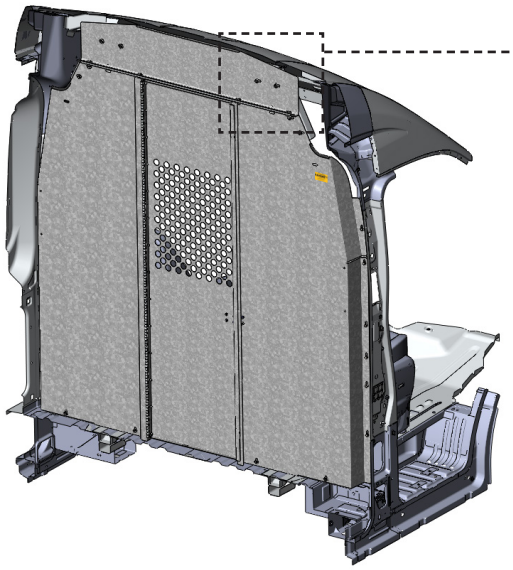
- ❑ Cordless Impact
- ❑ 1/2" Socket

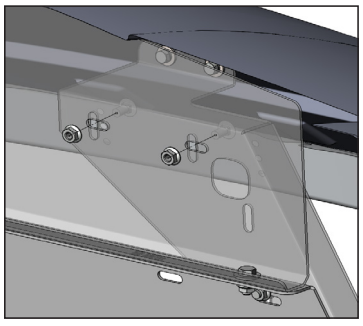
HARDWARE USED

4×

	#90-200 Hex Bolt 5/16" × 1/2"
	#98-116 Flat Washer
	#94-116 Serrated Nut

2.3.6 Attach the upper panel to driver and passenger side ceiling brackets.





TOOLS

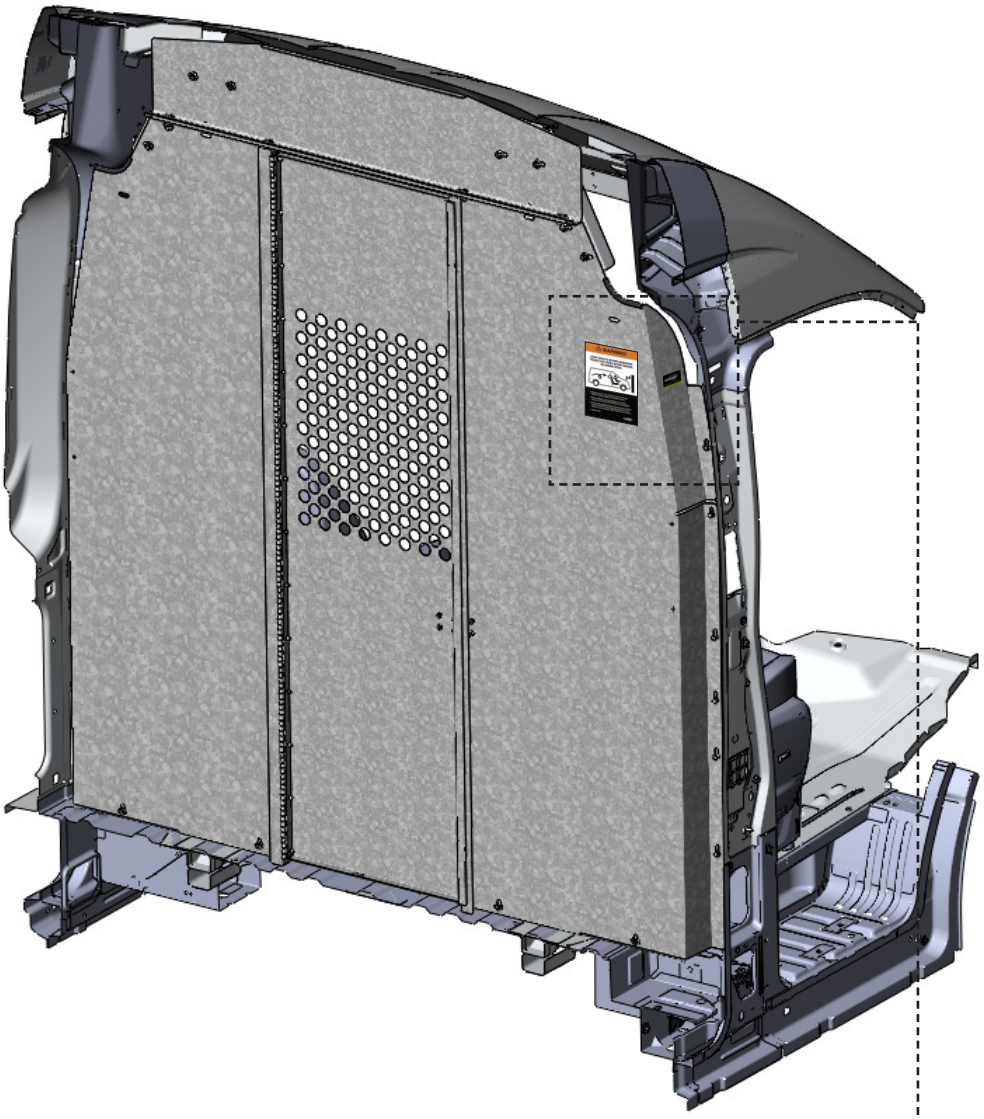
- ❑ Cordless Impact
- ❑ 1/2" Socket

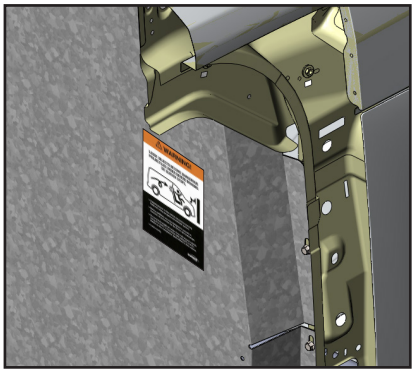
HARDWARE USED

4×

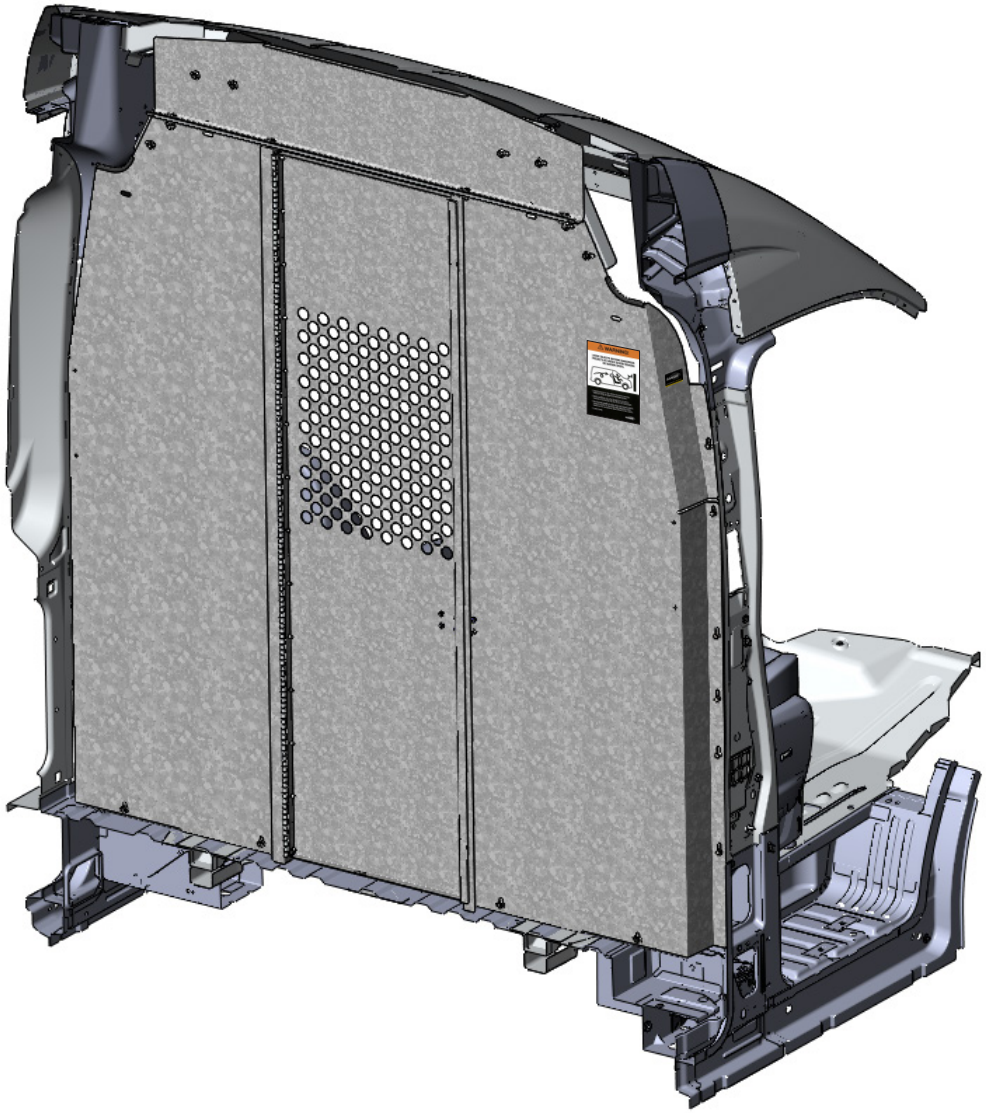
	#90-482 Carriage Bolt 5/16" × 1/2"
	#94-116 Serrated Nut

2.3.7 Apply the warning label on the passenger side panel.





NOTE: Put the warning label in a place where it's easy to see.



“Congratulations, you have successfully installed your Swing Door Partition!

Thank you for doing business with us.”

RANGER DESIGN