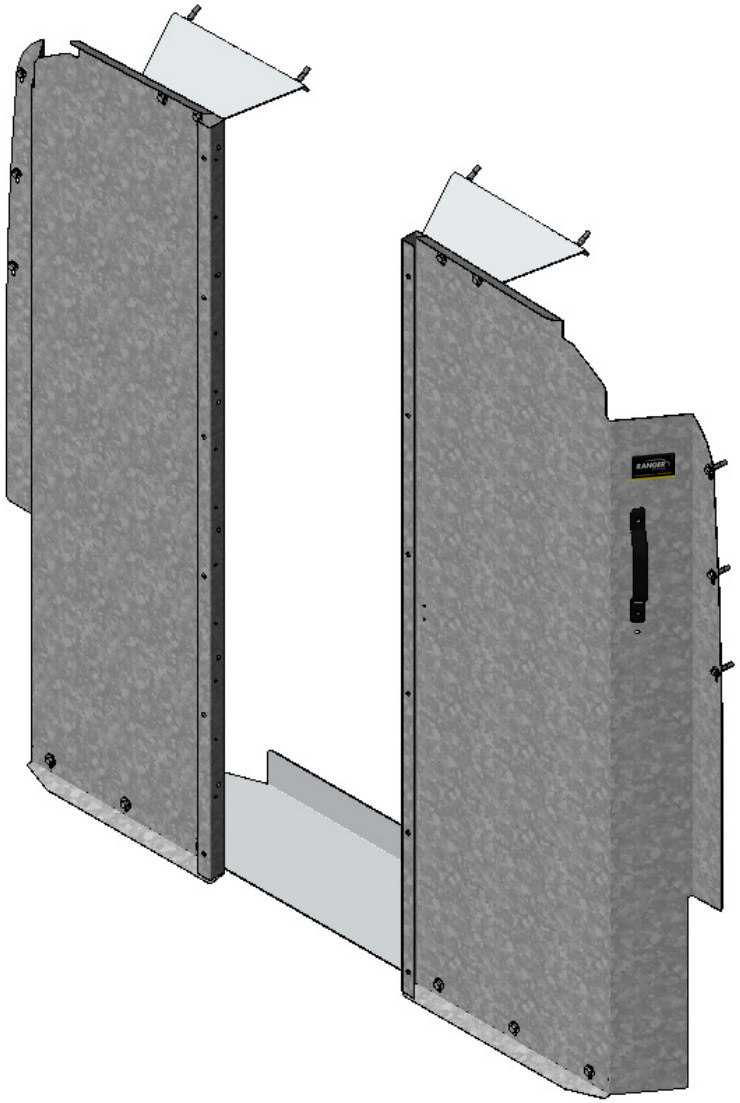
INSTALLATION GUIDE



C24-X STRAIGHT PARTITION

Promaster (Walk-Through, Steel)

RANGER DESIGN

QUICK START GUIDE

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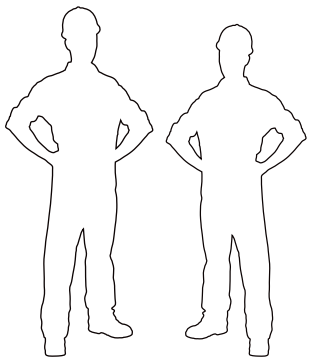
REQUIRED ITEMS



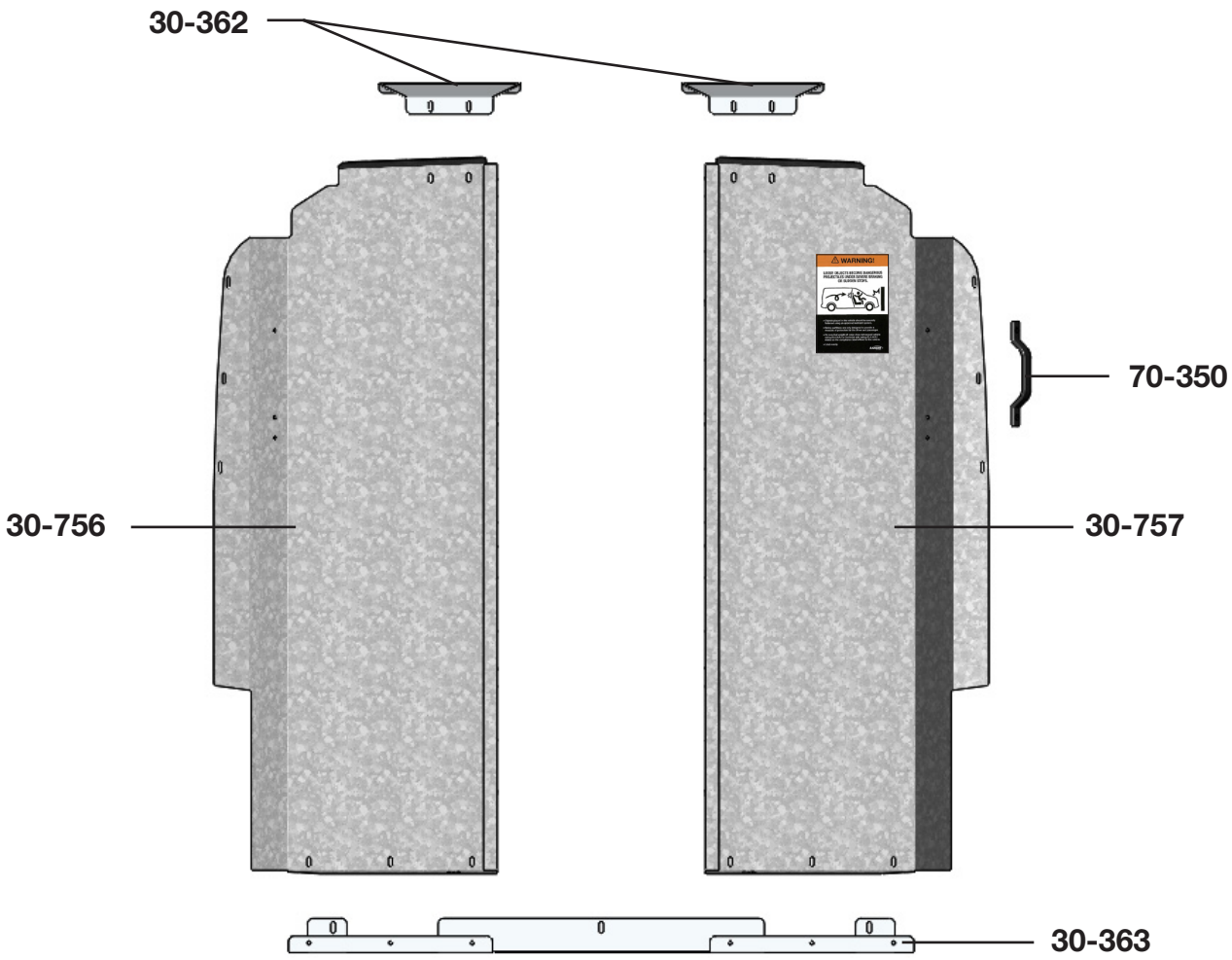
2 PERSONS

- ❑ Cordless Driver
- ❑ Cordless Impact
- ❑ Cordless Drill
- ❑ Marker
- ❑ Plusnut Tool
- ❑ Socket Wrench
- ❑ Tape Measure
- ❑ 3/16" Impact Bit
- ❑ 7/16" Socket
- ❑ 1/2" Socket
- ❑ 13mm Socket
- ❑ 9/16" Wrench
- ❑ 3/8" Drill Bit
- ❑ 1" Hole Saw

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.
30-362	Top Bracket	2
30-363	Floor Bracket	1
30-756	Driver Side Panel	1
30-757	Passenger Side Panel	1
70-350	Grab Handle	1
79-932	Warning Label (Bilingual)	1
94-3021	Assembly Fastener Bag	1
94-6093	Assembly Fastener Bag	1
96-3013	Installation Fastener Bag	1

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

94-3021 Fastener Bag → Hardware Assembly

10×		**# 90-204**	Hex Bolt 5/16"-18 × 3/4" GR-5 ZINC
10×		**# 94-116**	Serrated Nut 5/16"-18 ZINC
10×		**# 98-116**	Flat Washer 5/16", 7/8" OD ZINC

10×

#90-204 Hex Bolt 5/16" × 3/4"

#98-116 Flat Washer

#94-116 Serrated Nut

94-6093 Fastener Bag → Hardware Assembly

2×		**# 90-893**	Cap Screw 1/4" × 3/4"
2×		**# 94-112**	Serrated Nut 1/4"-20 ZINC

2×

#90-893 Cap Screw 1/4" × 3/4"

#94-112 Serrated Nut

94-3013 Fastener Bag → Hardware Assembly

5×		**# 90-114**	Hex Bolt 1/14"-20 × 1" GR-5 ZINC
6×		**# 90-122**	Hex Bolt 1/14"-20 × 1-1/2" GR-5 ZINC
2×		**# 90-666**	Hex Bolt M8-1.25 × 20 CL 8.8 DIN 933 BLACK OXIDE
11×		**# 94-130**	Plusnut .250
11×		**# 98-112**	Flat Washer 1/4", 3/4" OD ZINC
2×		**# 98-116**	Flat Washer 5/16", 7/8" OD ZINC
11×		**# 98-118**	Lock Washer Regular 1/4" ZINC
2×		**# 98-122**	Lock Washer Regular 5/6" ZINC
6×		**# 98-158**	Retaining Washer M16 (1/4") NYLON
6×		**# 98-161**	Spacer 1.0" × 0.625" × 0.375" NYLON

5×

#90-114 Hex Bolt 1/4" × 1"

#98-118 Lock Washer

#98-112 Flat Washer

#94-130 Plusnut .250

6×

#90-122 Hex Bolt 1/4" × 1-1/2"

#98-118 Lock Washer

#98-112 Flat Washer

#98-161 Spacer

#98-158 Retaining Washer

#94-130 Plusnut .250

2×

#90-666 Hex Bolt M8 × 20

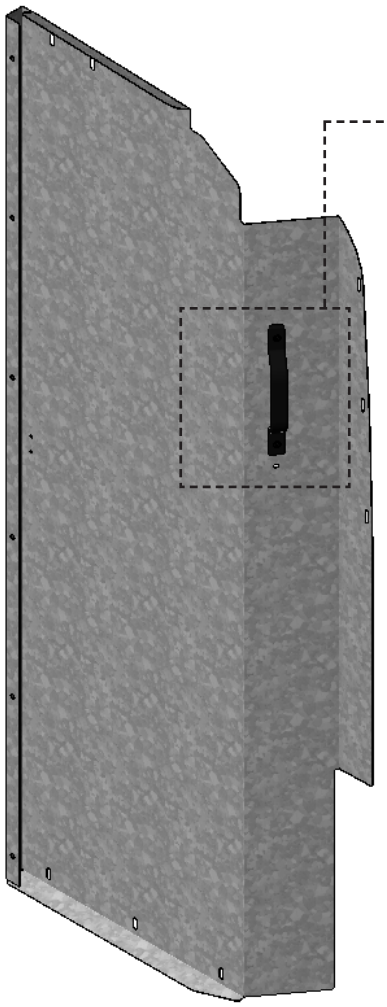
#98-122 Lock Washer

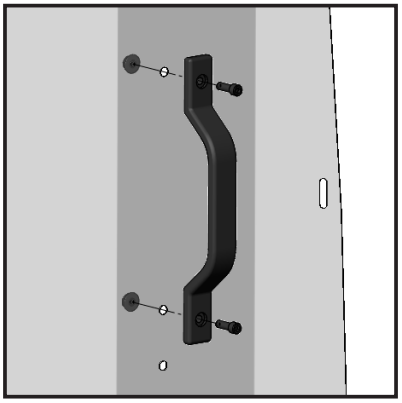
#98-116 Flat Washer

PHASE 1 – ASSEMBLY

1.2 PARTITION ASSEMBLY

1.2.1 Remove all the PVC from all the parts, then attach the grab handle to the passenger side panel.





TOOLS

- ❑ Cordless Driver
- ❑ 3/16" Impact Bit

HARDWARE USED

2×

#90-893 Cap Screw 1/4" × 3/4"

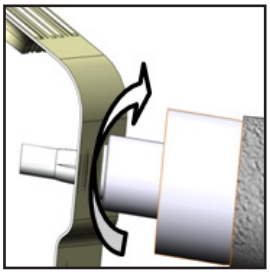
#94-112 Serrated Nut

PHASE 2 – INSTALLATION

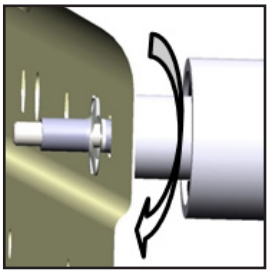
2.1 TIPS ON HOW TO ATTACH A PLUSNUT

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

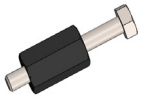


REVERSE

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.

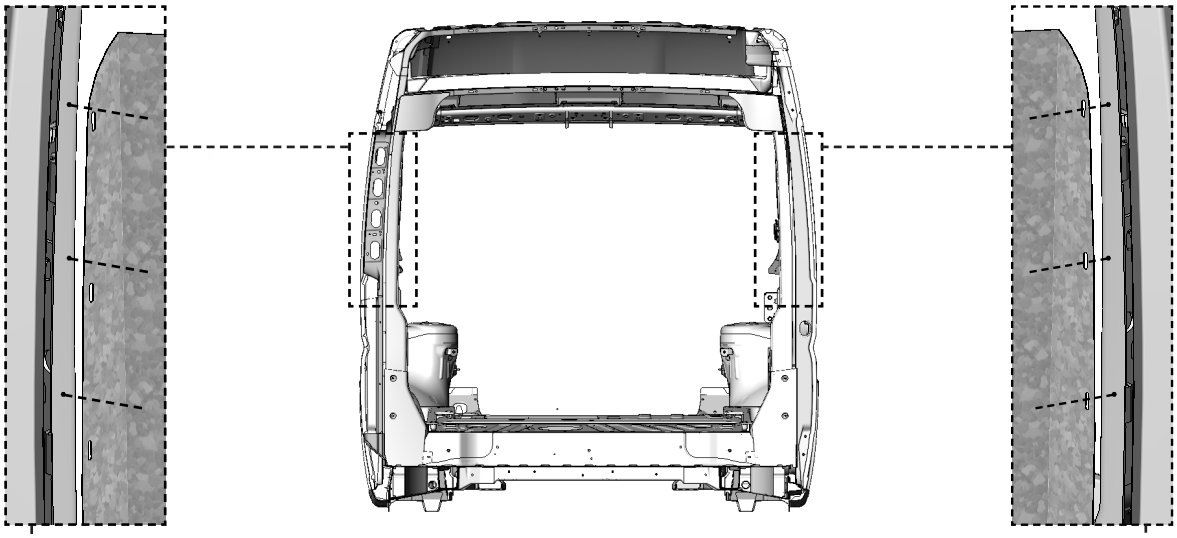
FORWARD

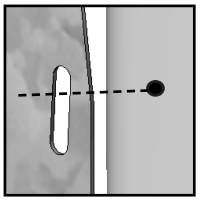
REVERSE

PHASE 2 – INSTALLATION

2.2 VEHICLE PREPARATION

2.2.1 Driver and passenger sides preparation.





Put the driver passenger side panels in place, then put a mark on the van through the holes of the driver and passenger side panels.

TOOLS
- ❑ Marker

Drill through the plastic using the hole saw.

TOOLS
- ❑ Cordless Drill
- ❑ 1" Hole Saw

Enlarge the holes if the plusnuts don't fit and make new holes if they don't align with the panel on the van.

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

Attach plusnuts in the 6 holes.

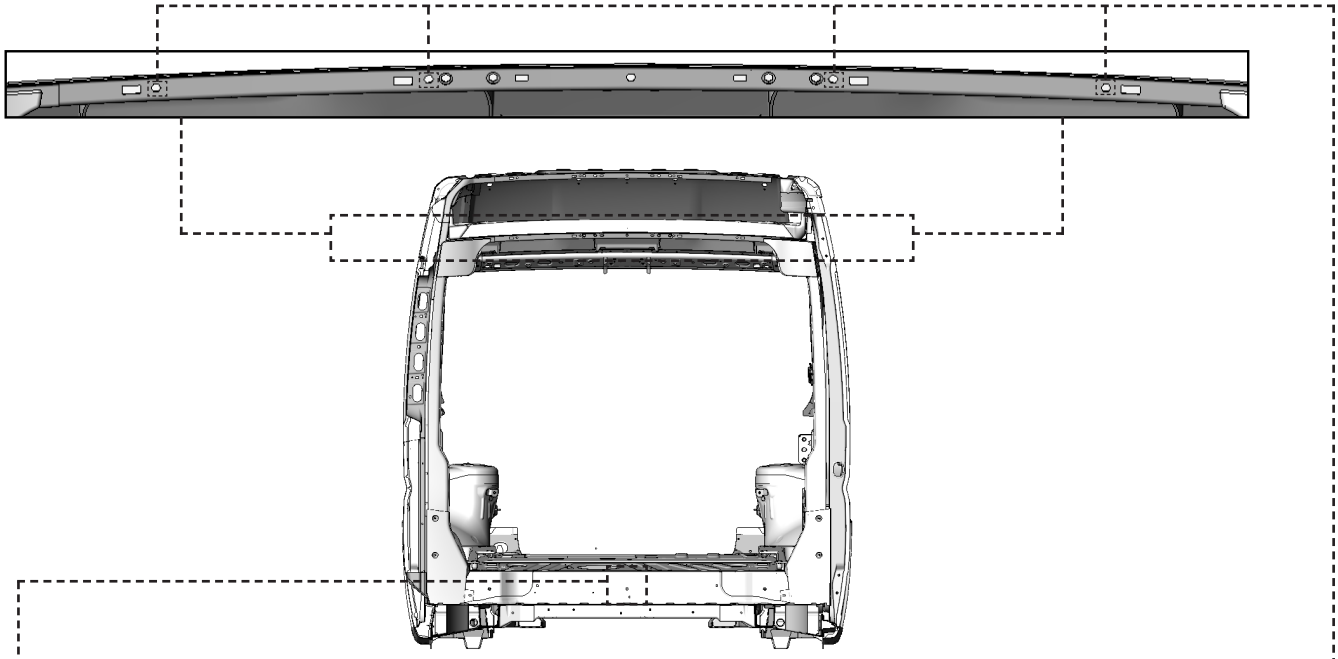
TOOLS
- ❑ Plusnut Tool

HARDWARE USED

6×

 # 94-130
Plusnut .250

2.2.2 Ceiling and floor preparation.



Attach plusnut on the center hole in the floor.

TOOLS
- ❑ Plusnut Tool

HARDWARE USED

1×

 # 94-130
Plusnut .250

Enlarge these holes if the plusnuts don't fit using 3/8" drill bit or step drill.

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

Cut or drill the plastic cover through the 4 holes, then Attach plusnuts in the 4 holes.

TOOLS
- ❑ Plusnut Tool
- ❑ 1" Hole Saw or Knife

HARDWARE USED

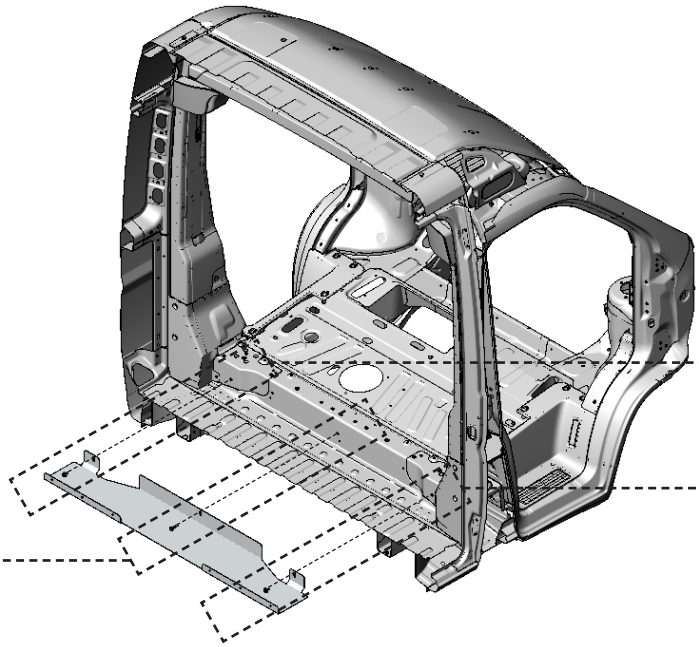
4×

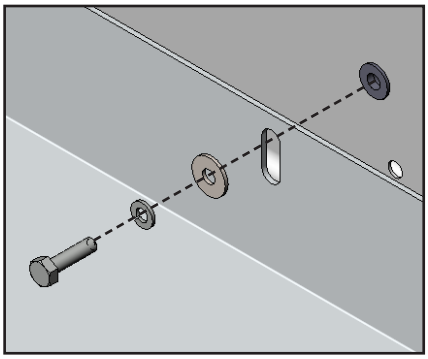
 # 94-130
Plusnut .250

PHASE 2 – INSTALLATION

2.3 STRAIGHT PARTITION INSTALLATION

2.3.1 Floor bracket installation.





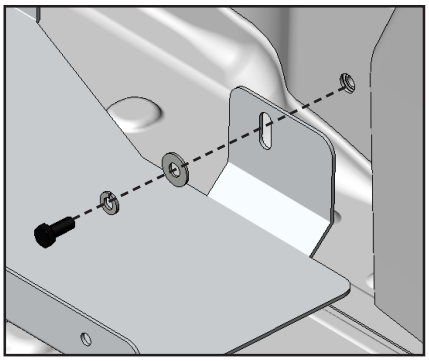
TOOLS

- ❑ Cordless Impact
- ❑ 7/16" Socket

HARDWARE USED

1×

	#90-114 Hex Bolt 1/4" × 1"
	#98-118 Lock Washer
	#98-112 Flat Washer



TOOLS

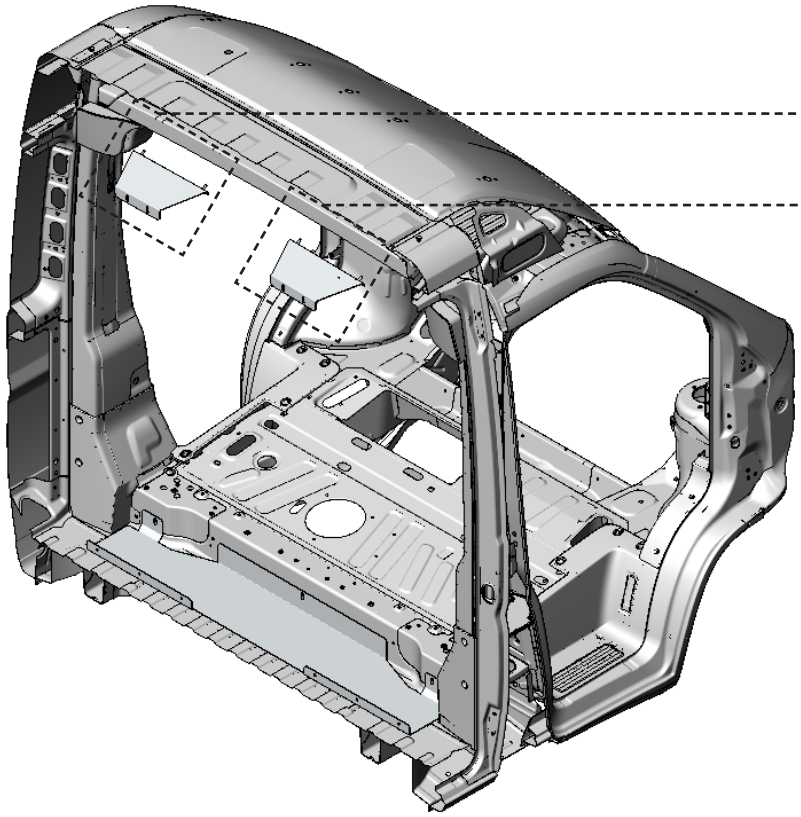
- ❑ Socket Wrench
- ❑ 13mm Socket

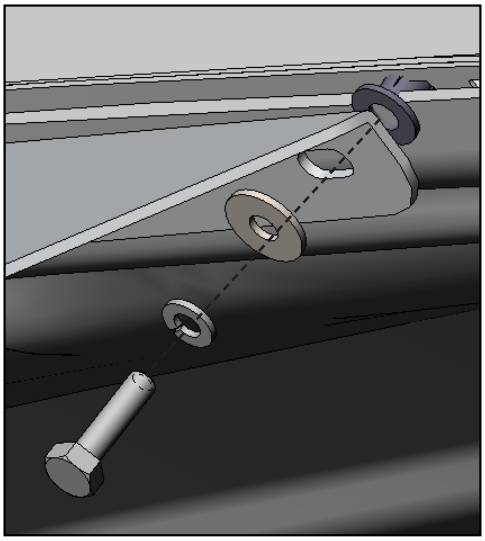
HARDWARE USED

2×

	#90-666 Hex Bolt M8 × 20
	#98-122 Lock Washer
	#94-116 Flat Washer

2.3.2 Ceiling bracket installation





TOOLS

- ❑ Cordless Impact
- ❑ 7/16" Socket

HARDWARE USED

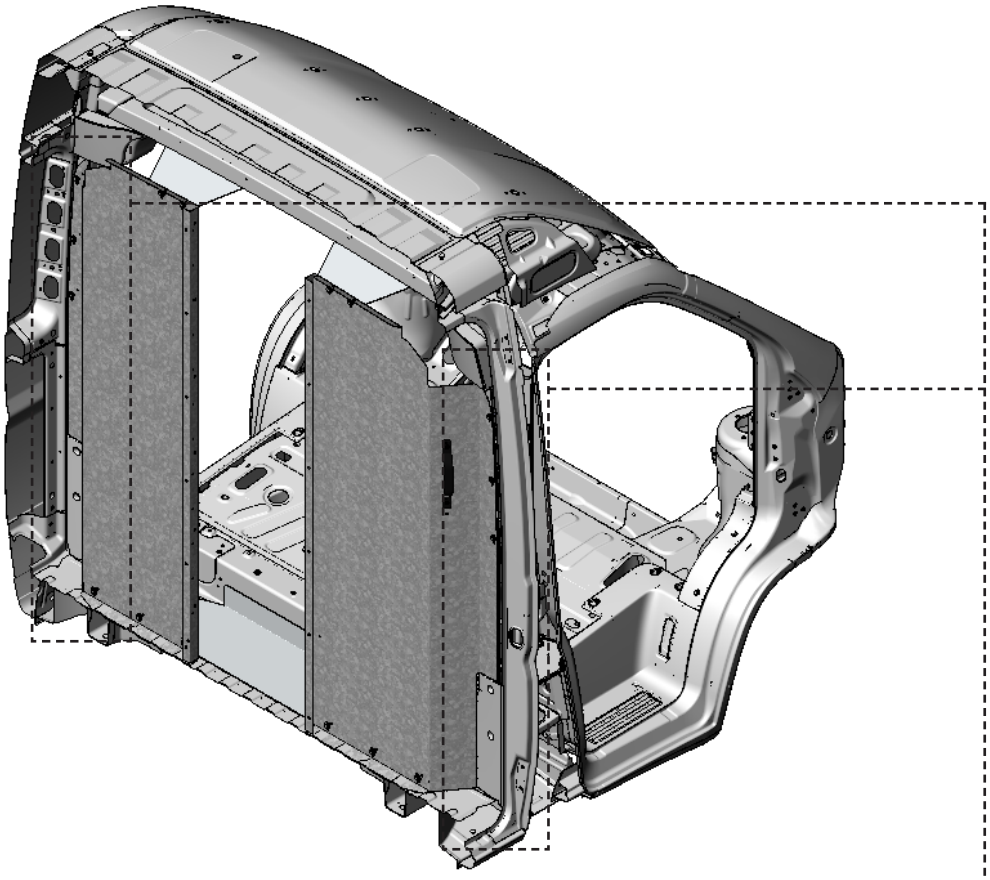
4×

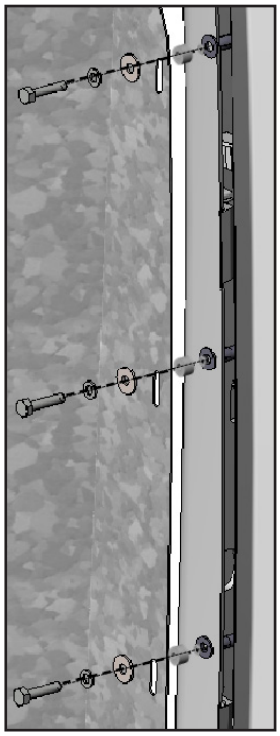
#90-114 Hex Bolt 1/4" × 1"

#98-118 Lock Washer

#98-112 Flat Washer

2.3.3 Attach the driver and passenger side panels to the van.





TOOLS

- ❑ Cordless Impact
- ❑ 7/16" Socket

HARDWARE USED

6×

#90-122 Hex Bolt 1/4" × 1-1/2"

#98-118 Lock Washer

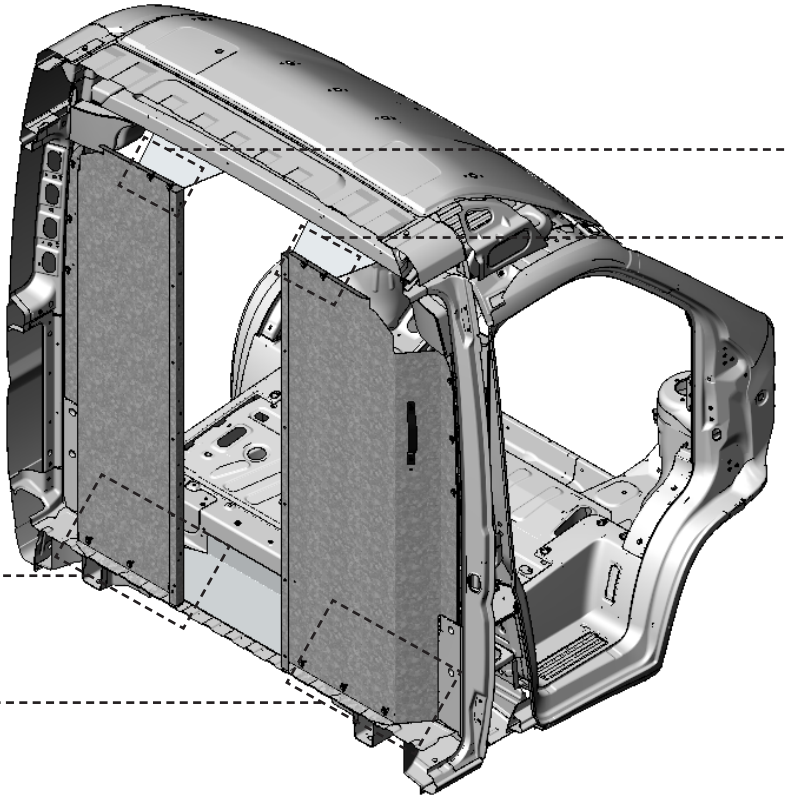
#98-112 Flat Washer

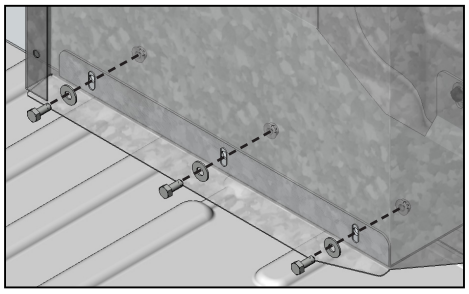
#98-161 Spacer

#98-158 Retaining Washer

#94-130 Plusnut .250

2.3.4 Attach the driver and passenger side panels to the ceiling brackets and the floor bracket.





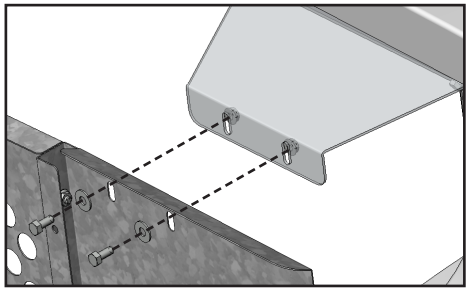
TOOLS

- ❑ Cordless Impact
- ❑ 1/2" Socket

HARDWARE USED

6×

	#90-204 Hex Bolt 5/16" × 3/4"
	#98-116 Flat Washer
	#94-116 Serrated Nut



TOOLS

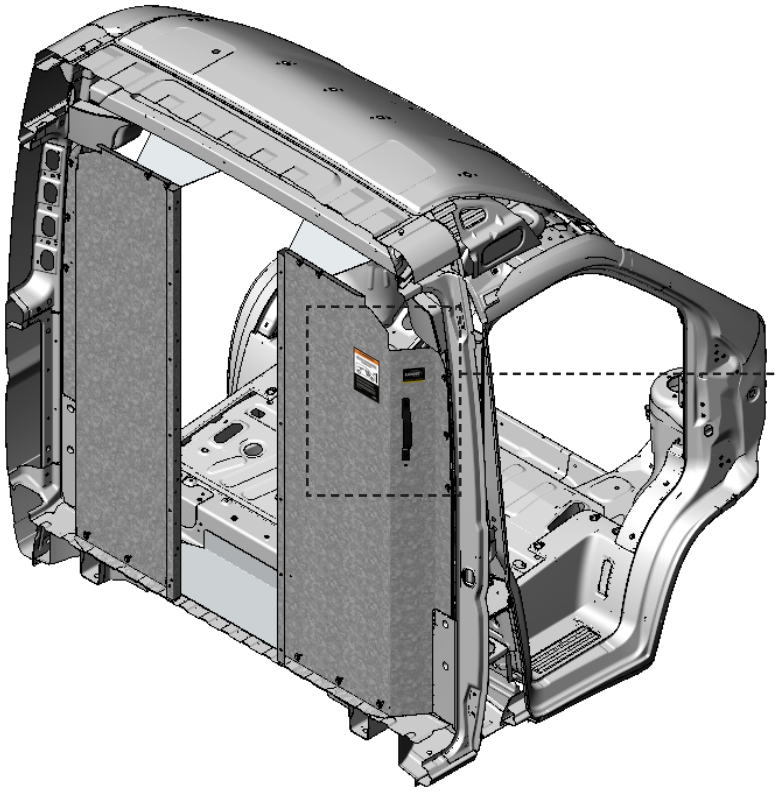
- ❑ Cordless Impact
- ❑ 1/2" Socket

HARDWARE USED

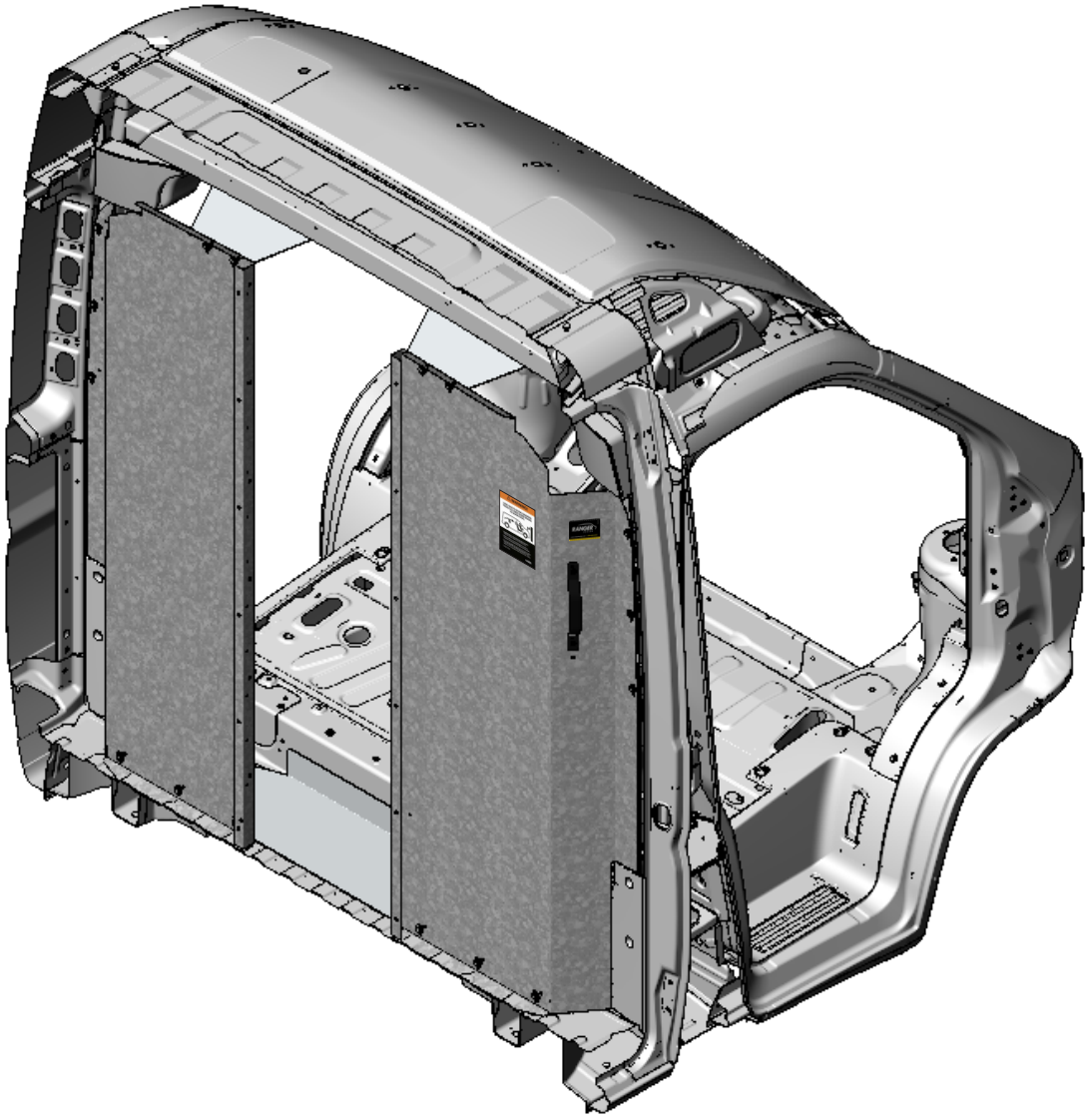
4×

	#90-204 Hex Bolt 5/16" × 3/4"
	#98-116 Flat Washer
	#94-116 Serrated Nut

2.3.5 Apply the warning label on the passenger side panel.



NOTE: English warning label is already attached on the passenger side panel.



“Congratulations, you have successfully installed your Straight Partition!

Thank you for doing business with us.”

RANGER DESIGN