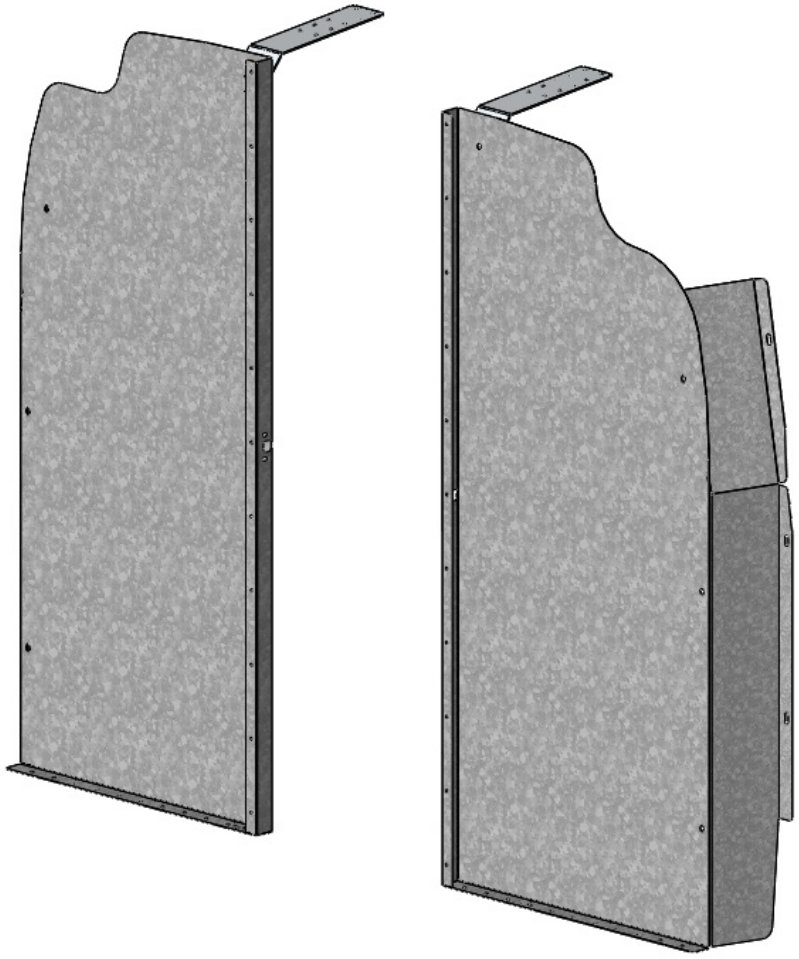
INSTALLATION GUIDE



C24-GS STRAIGHT PARTITION

Chevrolet Express / GMC Savana (Walk-Through, Steel)

RANGER DESIGN

QUICK START GUIDE

Phase 1 - Assembly

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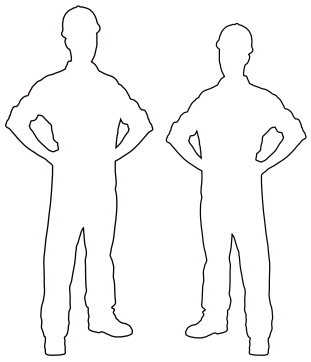
REQUIRED ITEMS



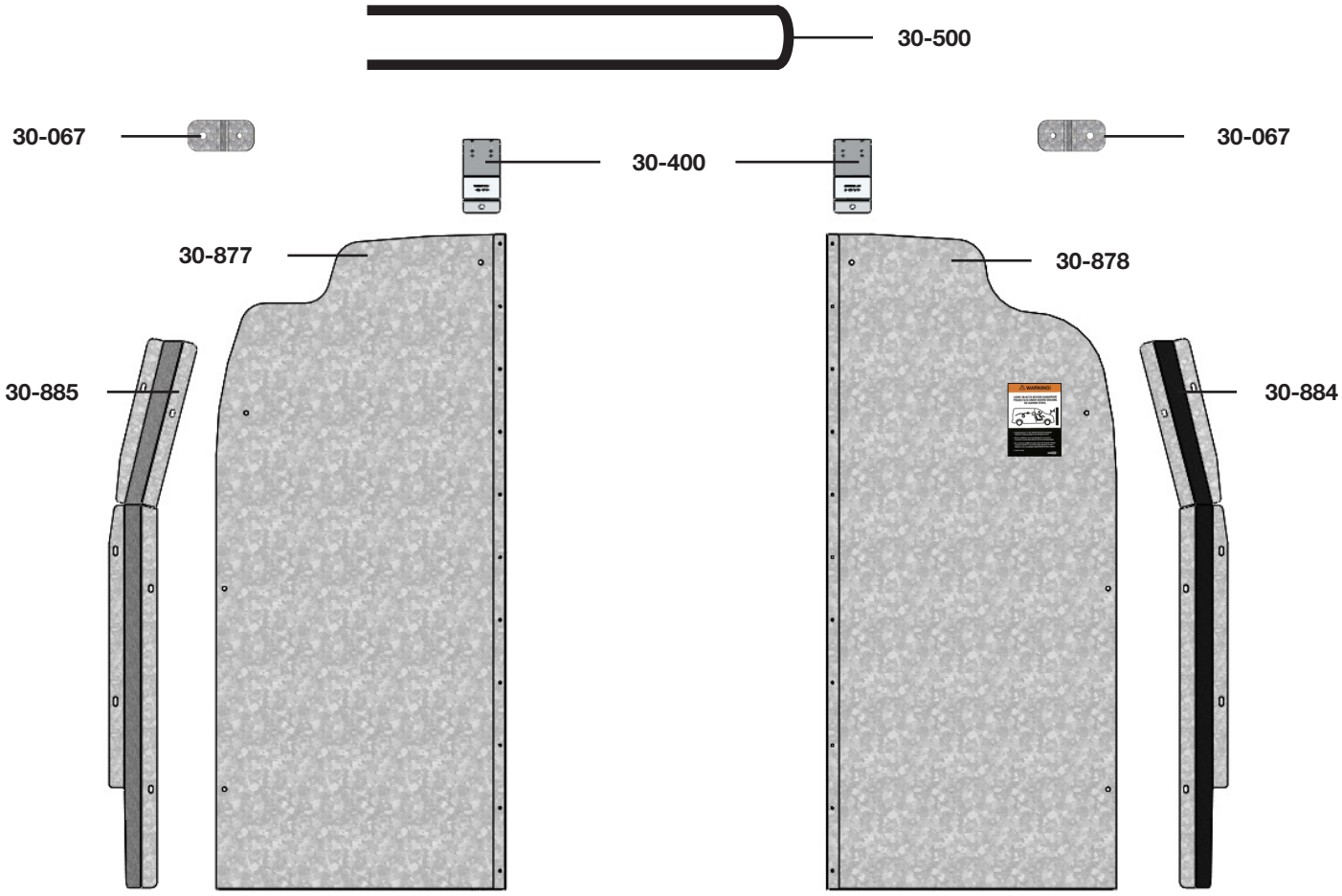
2
PERSONS

- ❑ Cordless Impact
- ❑ Cordless Drill
- ❑ Cutter
- ❑ Mallet
- ❑ Marker
- ❑ Plusnut Tool
- ❑ R2 Square Driver Bit
- ❑ 3/8" Drill Bit
- ❑ 3/8" Driver Bit
- ❑ 7/16" Socket
- ❑ 1/2" Socket
- ❑ 9/16" Wrench
- ❑ 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.
30-400	Ceiling Bracket	2
30-500	Edge Trim (QTY in Inches)	144
30-067	Bracket	2
30-877	Driver Panel	1
30-878	Passenger Panel	1
30-884	Passenger Side Wing	1
30-885	Driver Side Wing	1
79-932	Warning Label (Bilingual)	1
94-3051	Assembly Fastener Bag	1
96-3034	Installation Fastener Bag	1

1.1.3 Identify the **94-3051** and **96-3034** fastener bags.

94-3051 Fastener Bag → Hardware Assembly

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

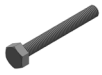
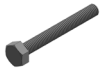
8×

#90-200 Hex Bolt 5/16" × 1/2"

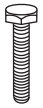
#98-116 Flat Washer

#94-116 Serrated Nut

96-3034 Fastener Bag → Hardware Assembly

2×		**# 90-118**	Hex Bolt 1/4"-20 × 1-1/4" GR-5 ZINC
10×		**# 90-130**	Hex Bolt 1/4"-20 × 2" GR-5 ZINC
4×		**# 92-174**	Screw Round Head #10 × 3/4" ZINC
12×		**# 94-130**	Plusnut .250
12×		**# 98-112**	Flat Washer 1/4", 3/4" OD ZINC
12×		**# 98-118**	Lock Washer Regular 1/4" ZINC
30×		**# 98-157**	Spacer 0.375" ID, × 1.0" OD × 0.25" L NYLON

2×

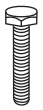

#90-130 Hex Bolt 1/4" × 2"

#98-118 Lock Washer

#98-112 Flat Washer

#94-130 Plusnut .250

10×


#90-130 Hex Bolt 1/4" × 2"

#98-118 Lock Washer

#98-112 Flat Washer

#98-157 Spacers (3)

#94-130 Plusnut .250

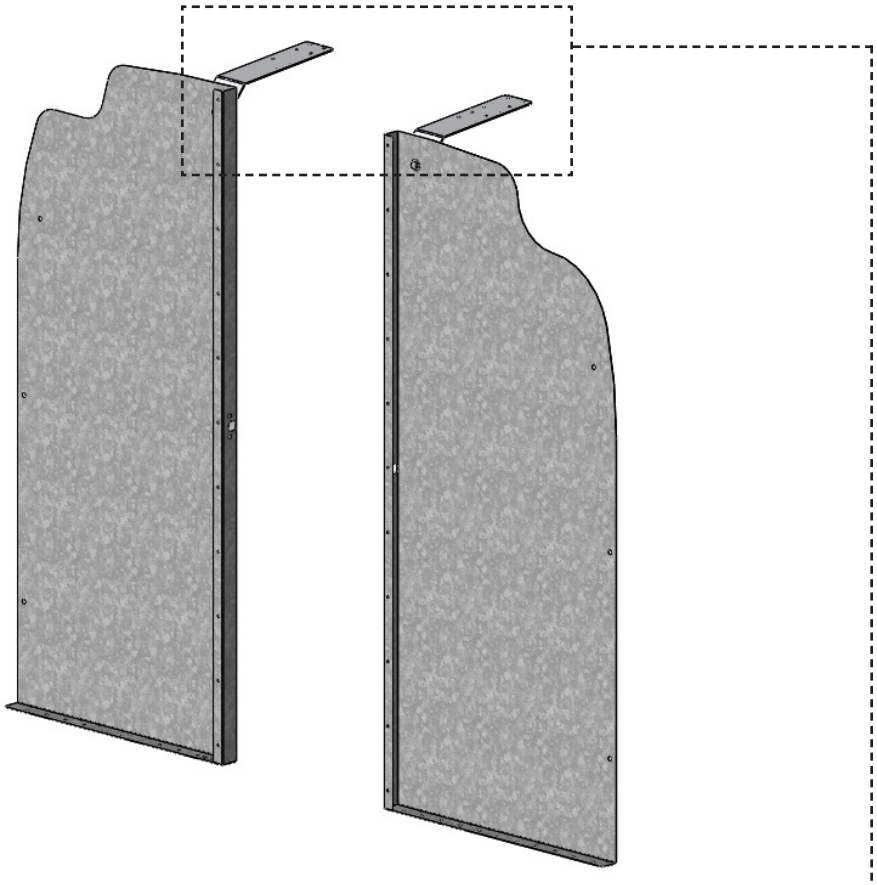
4×

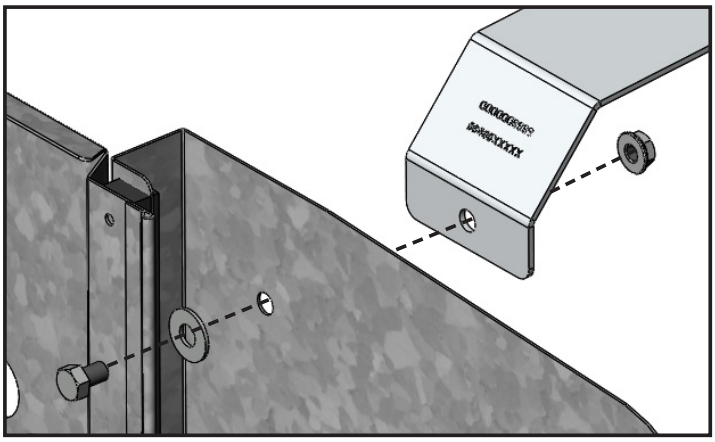
#92-174 Screw #10 × 3/4"

PHASE 1 – ASSEMBLY

1.2 PARTITION ASSEMBLY

1.2.1 Remove all the PVC from all the parts, then attach the ceiling brackets.





TOOLS

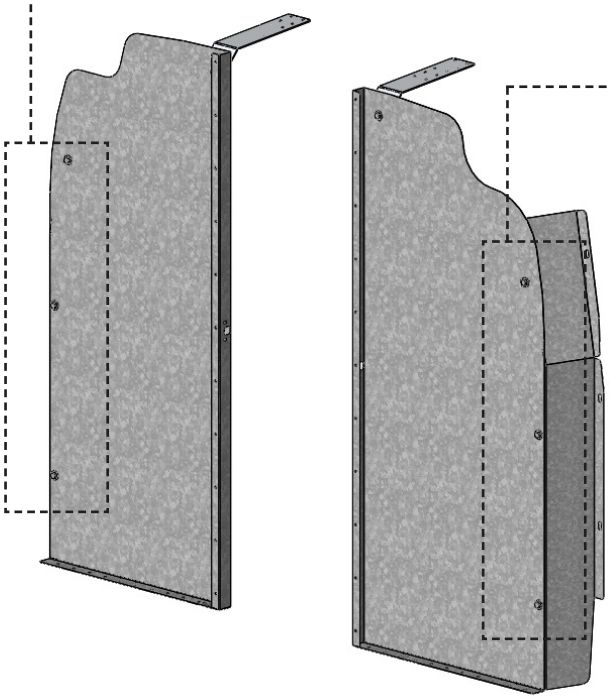
- ❑ Cordless Impact
- ❑ 1/2" Socket

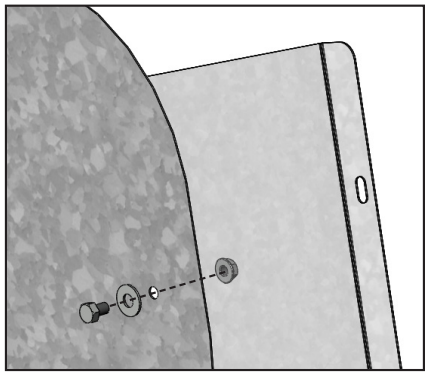
HARDWARE USED

2×

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

1.2.2 Attach the wings.





TOOLS

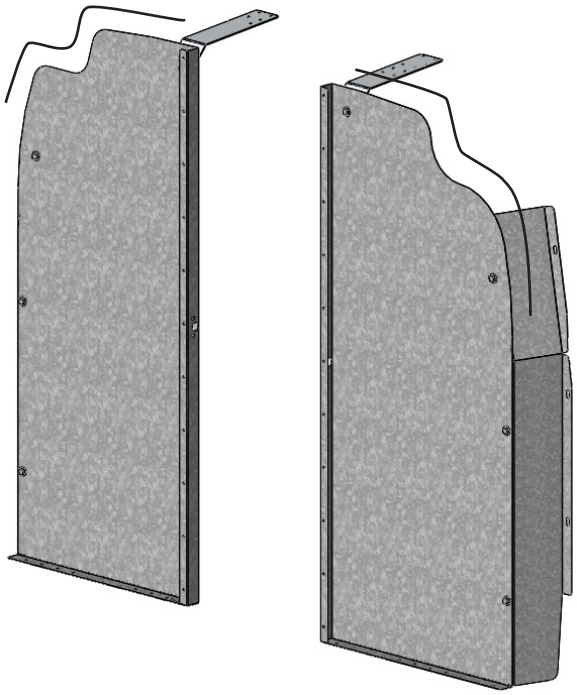
- ❑ Cordless Impact
- ❑ 1/2" Socket

HARDWARE USED

6×

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

1.2.3 Attach the edge trims on the side panels.



TOOLS

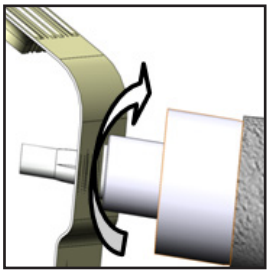
- ❑ Cutter
- ❑ Mallet

PHASE 2 – INSTALLATION

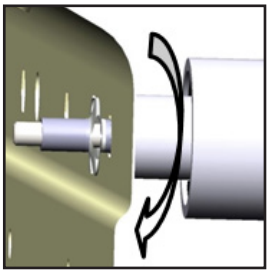
2.1 TIPS ON HOW TO ATTACH A PLUSNUT

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

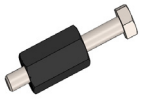


REVERSE

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.

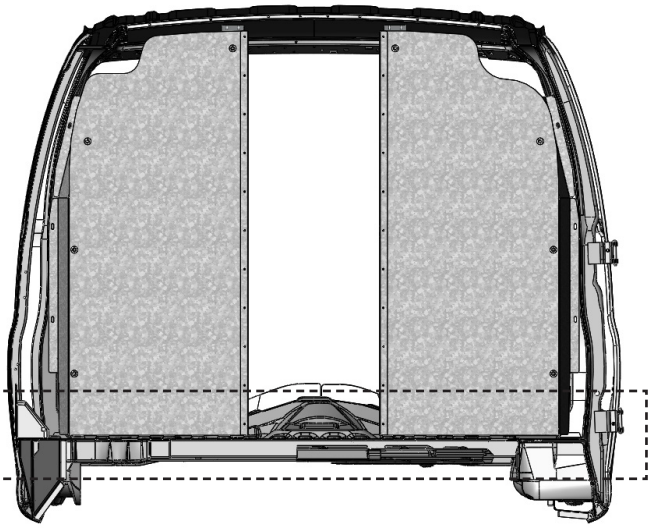
FORWARD

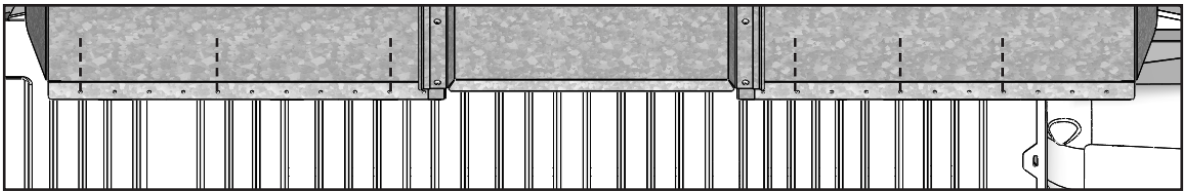
REVERSE

PHASE 2 – INSTALLATION

2.2 VEHICLE PREPARATION

2.2.1 Floor preparation.





Put the partition in place, aligning the set of holes of the wings to the van. Mark 6 holes on the floor using a marker.

TOOLS

❑ Marker

Drill the 6 marks.

NOTE: If the van has a rubber or wood floor use a 1" hole saw to drill the floor and use a 3/8" drill bit or step drill to make a hole in the van (make sure the holes are aligned with the holes of the partition.)

TOOLS

❑ Cordless Drill

❑ 3/8" Drill Bit or Step Drill

Attach plusnuts in the 6 holes.

TOOLS

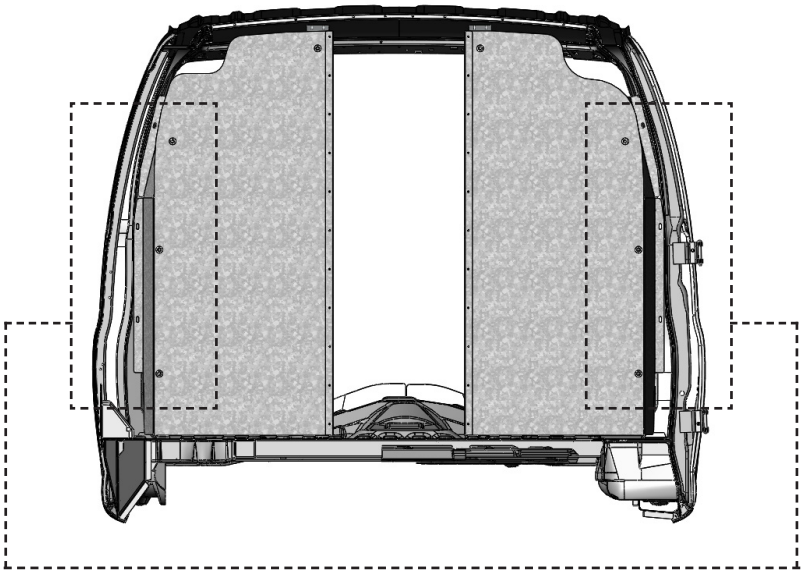
❑ Plusnut Tool

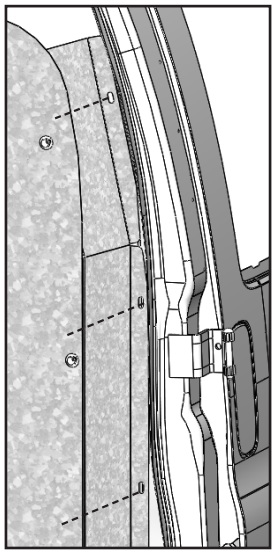
HARDWARE USED

6×

94-130
Plusnut .250

2.2.2 Side pillars preparation.





Mark the 3 holes on both side pillars.

TOOLS
- ❑ Marker

Drill the 6 marks.

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

Attach plusnuts in the 6 holes.

TOOLS
- ❑ Plusnut Tool

HARDWARE USED

6×

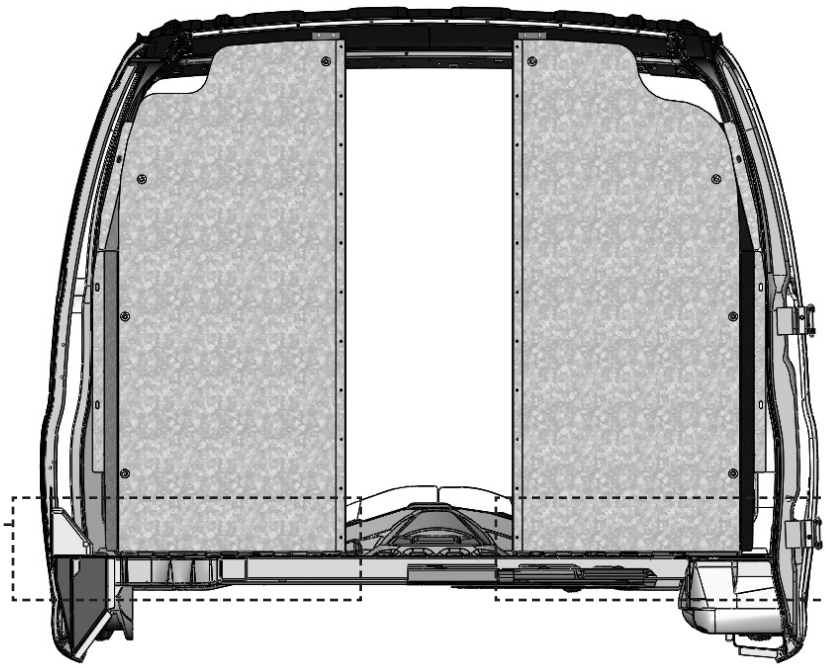
94-130
Plusnut .250

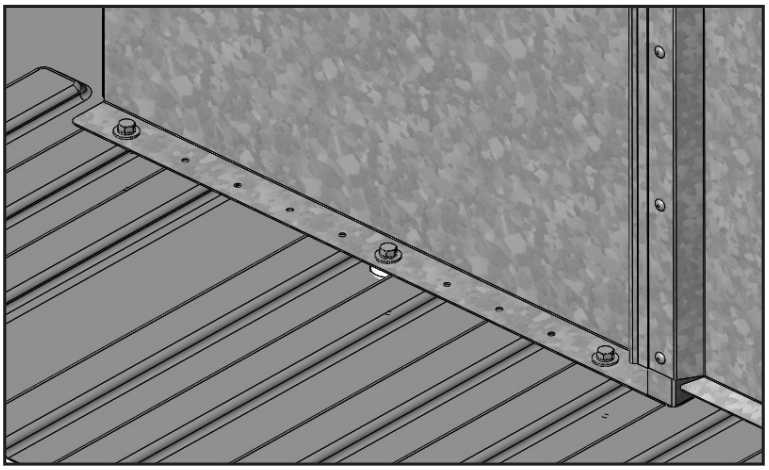
PHASE 2 – INSTALLATION

2.3 STRAIGHT PARTITION INSTALLATION

2.3.1 Attach the partition to the floor.

NOTE: Use spacers to level the floor.



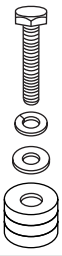


TOOLS

- ❑ Cordless Impact
- ❑ 7/16" Socket

HARDWARE USED

6×



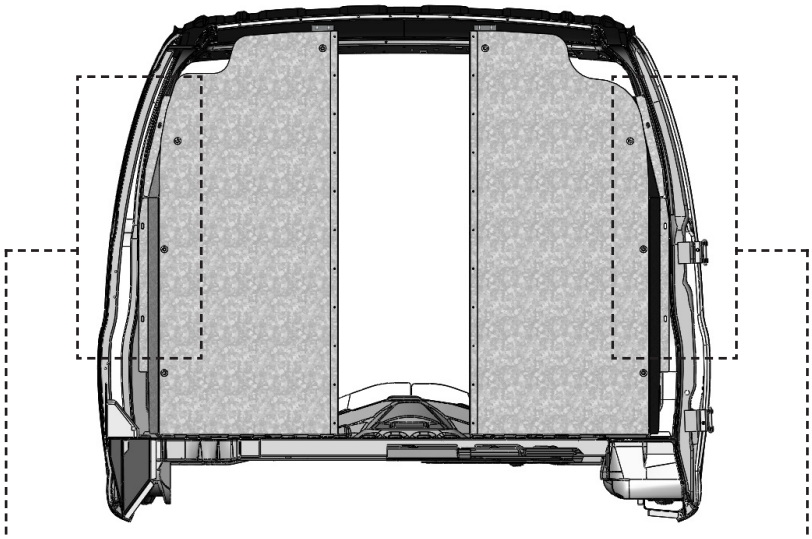
#90-130 Hex Bolt 1/4" × 2"

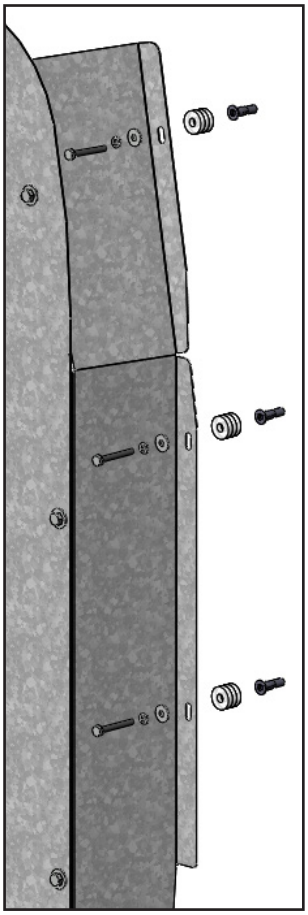
#98-118 Lock Washer

#98-112 Flat Washer

#98-157 Spacers (3)

2.3.2 Attach the wings to the van.



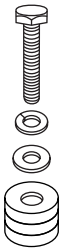


TOOLS

- ❑ Cordless Impact
- ❑ 7/16" Socket

HARDWARE USED

6×



#90-130 Hex Bolt 1/4" × 2"

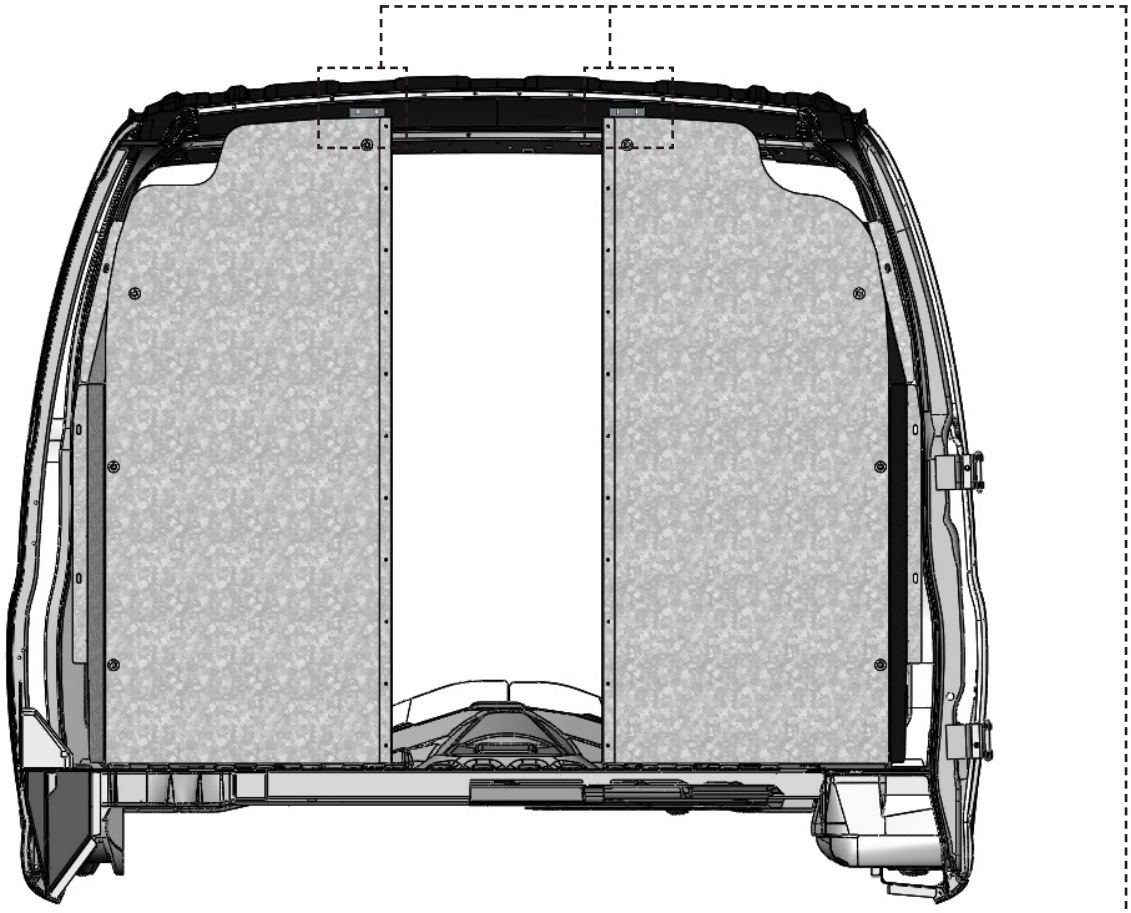
#98-118 Lock Washer

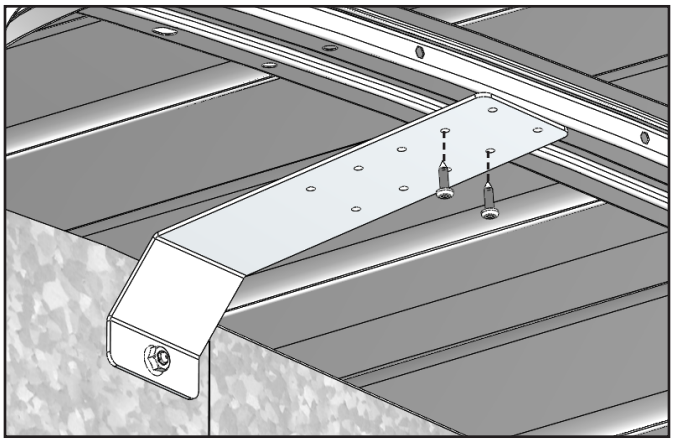
#98-112 Flat Washer

#98-157 Spacers (3)

TIP: Tape the spacers together with electrical tape

2.3.3 Attach the ceiling brackets to the van.





TOOLS

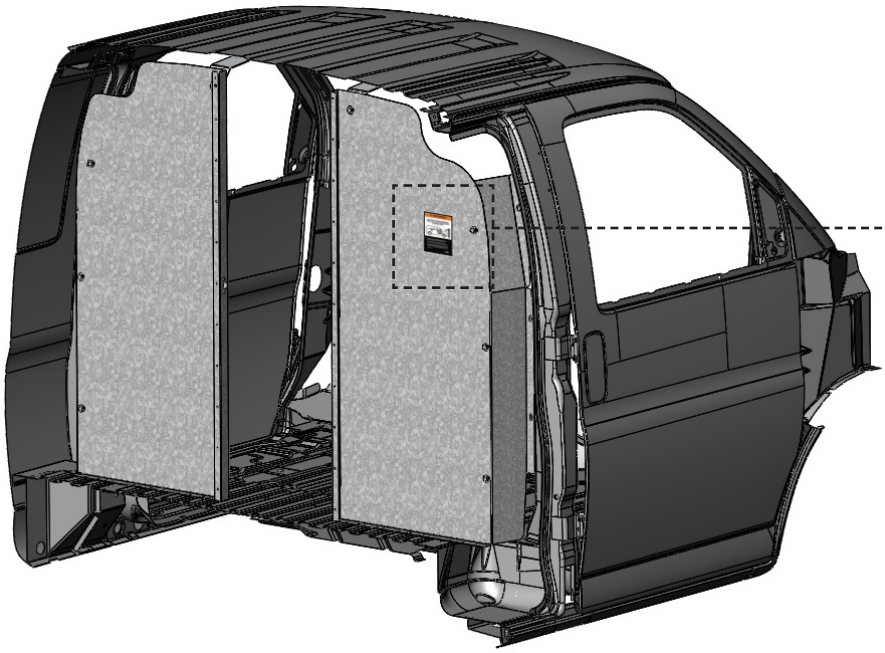
- ❑ Cordless Driver
- ❑ R2 Square Driver Bit

HARDWARE USED

4×

#92-174 Screw #10 × 3/4"

2.3.4 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.”

For any feedback or suggestions you may have, please contact: **cs@rangerdesign.com**

RANGER DESIGN