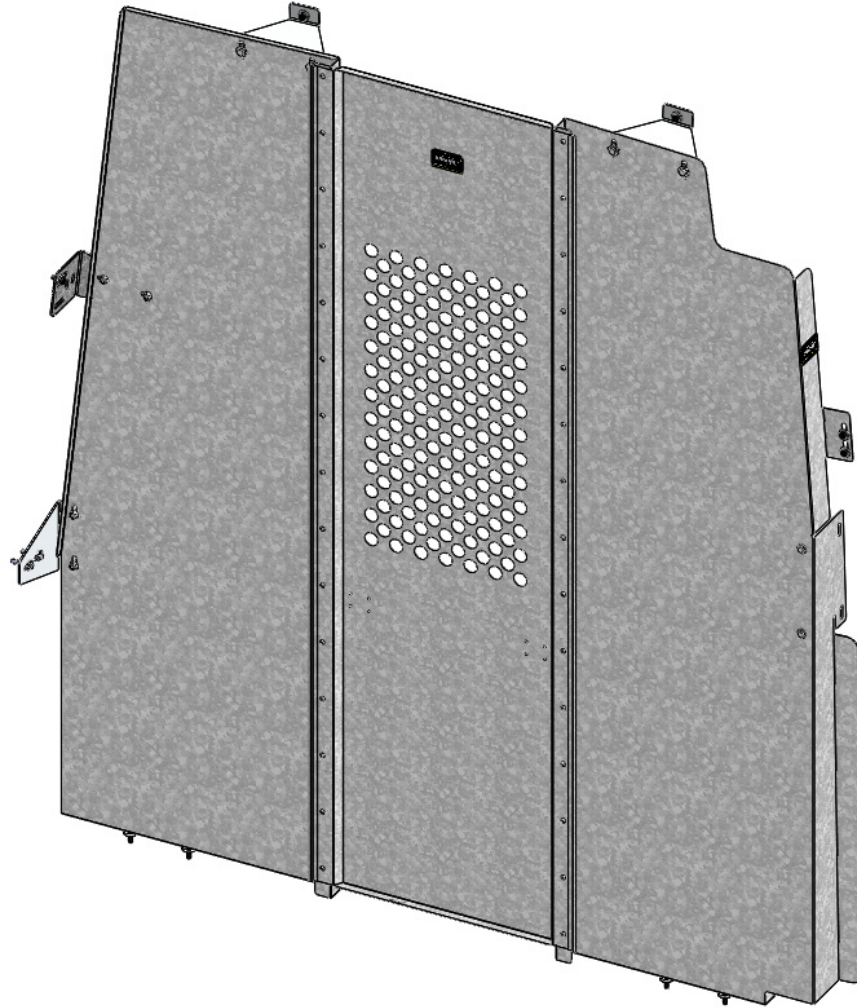


INSTALLATION GUIDE



C20-NH STRAIGHT PARTITION

Nissan NV (Perforated Window, No Access, Steel)

RANGER
DESIGN

QUICK START GUIDE

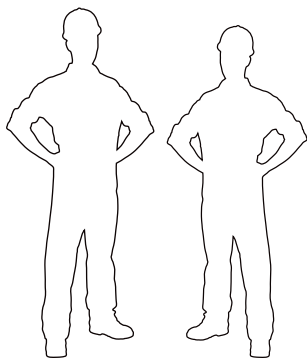
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REQUIRED ITEMS



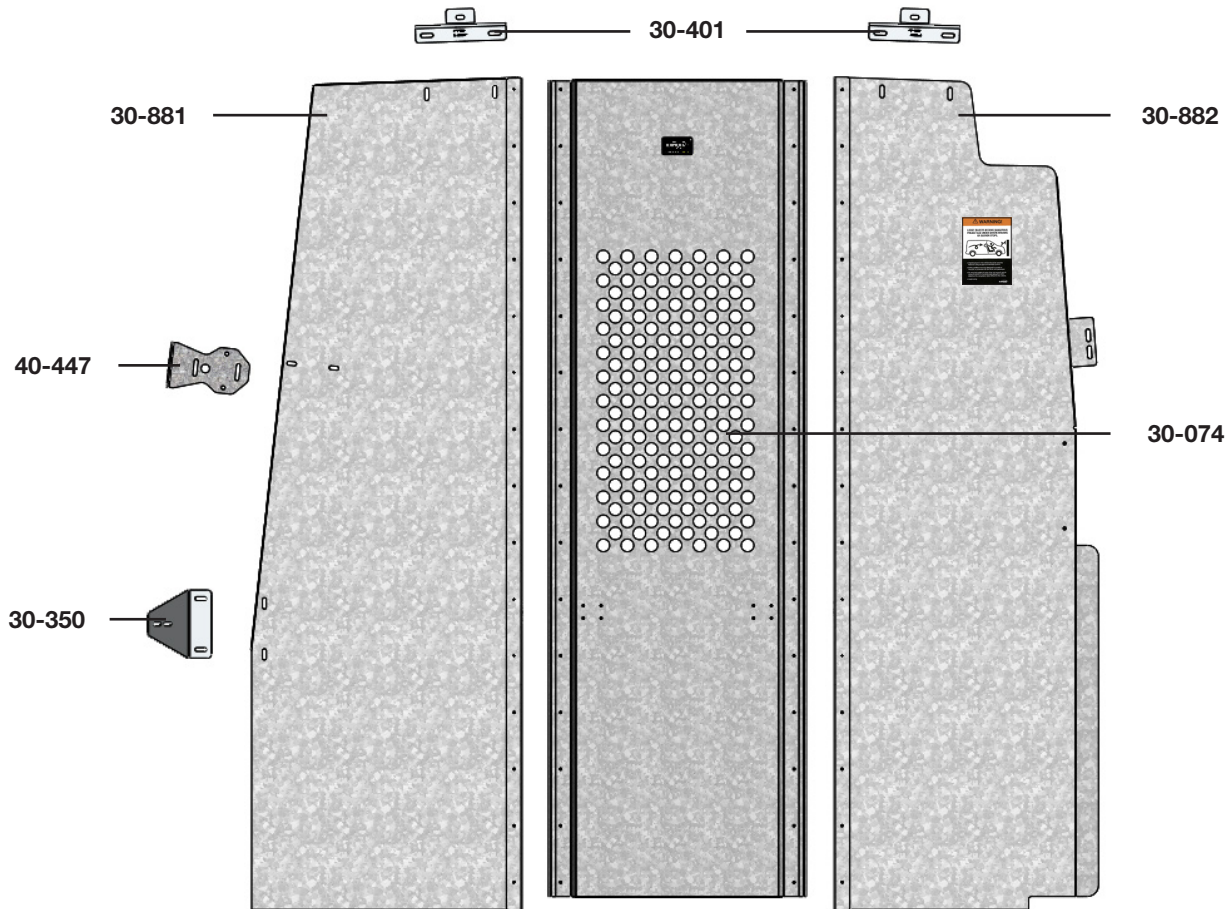
2
PERSONS

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

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.
30-074	Door Panel	1
30-350	Drive Side Wing	1
30-401	Ceiling Bracket	2
30-881	Driver Panel	1
30-882	Passenger Panel	1
40-447	"L" Bracket	1
79-932	Warning Label (Bilingual)	1
94-3053	Assembly Fastener Bag	1
96-3025	Installation Fastener Bag	1

1.1.3 Identify the **94-3053** and **96-3025** fastener bags.

94-3053 Fastener Bag

2x		# 90-110	Hex Bolt 1/4"-20 x 3/4" GR-5 ZINC
4x		# 90-204	Hex Bolt 5/16"-18 x 3/4" GR-5 ZINC
4x		# 90-482	Carriage Bolt 5/16"-18 x 1/2" ZINC
2x		# 94-112	Serrated Nut 1/4"-20 ZINC
8x		# 94-116	Serrated Nut 5/16"-18 ZINC
2x		# 98-112	Flat Washer 1/4", 3/4" OD ZINC
4x		# 98-116	Flat Washer 5/16", 7/8" OD ZINC
30x		# 96-202	Closed Rivet 3/16" x 1/4"

Hardware Assembly

2x

	#90-110 Hex Bolt 1/4" x 3/4"
	#98-112 Flat Washer
	#94-112 Serrated Nut

4x

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

4x

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

30x

	#96-202 Closed Rivet
---	----------------------

96-3025 Fastener Bag

2x		# 90-114	Hex Bolt 1/4"-20 x 1" GR-5 ZINC
5x		# 90-666	Hex Bolt M8-1.25 x 20 CL 8.8 DIN 933 BLACK OXIDE
4x		# 90-668	Hex Bolt M8-1.25 x 40 CL 8.8 DIN 933 BLACK OXIDE
2x		# 94-130	Plusnut .250
2x		# 98-112	Flat Washer 1/4", 3/4" OD ZINC
9x		# 98-116	Flat Washer 5/16", 7/8" OD ZINC
2x		# 98-118	Lock Washer Regular 1/4" ZINC
9x		# 98-122	Lock Washer Regular 5/6" ZINC
8x		# 98-157	Spacer 0.375" ID, x 1.0" OD x 0.25" L NYLON

Hardware Assembly

2x

	#90-114 Hex Bolt 1/4" x 1"
	#98-118 Lock Washer
	#98-112 Flat Washer
	#94-130 Plusnut .250

5x

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

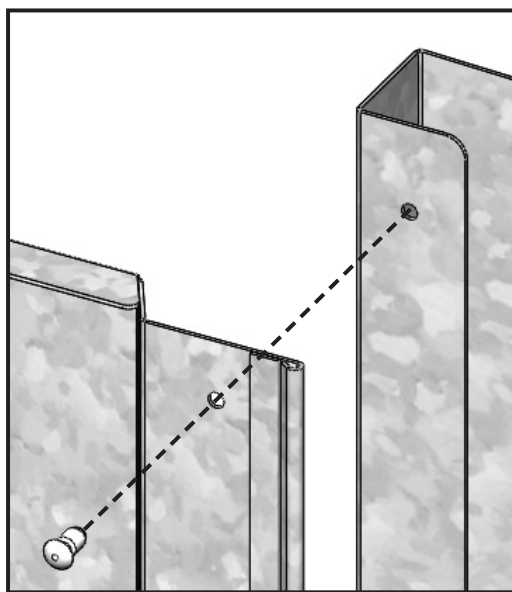
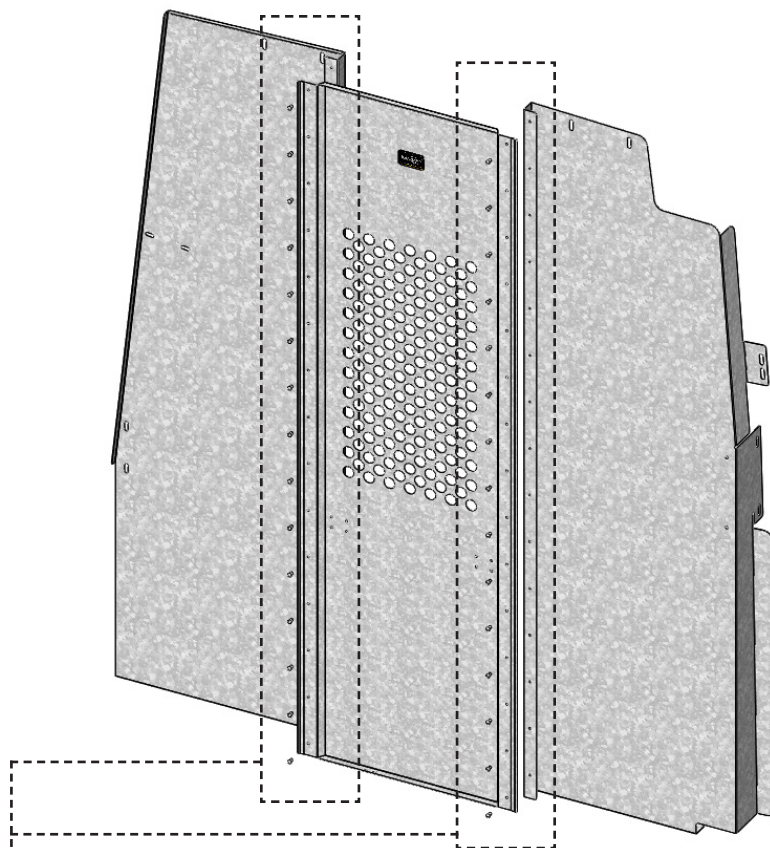
4x

	#90-668 Hex Bolt M8 x 40
	#98-122 Lock Washer
	#98-116 Flat Washer
	#98-157 Spacers (2)

PHASE 1 – ASSEMBLY

1.2 PARTITION ASSEMBLY

1.2.1 Remove all the PVC from all the parts, then attach the door panel to the side panels.

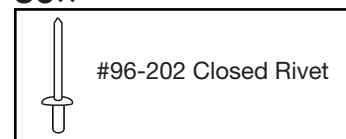


TOOLS

□ Rivet Gun

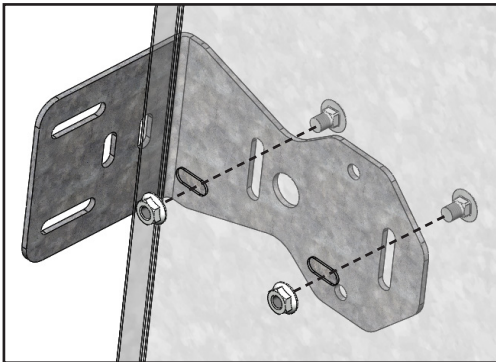
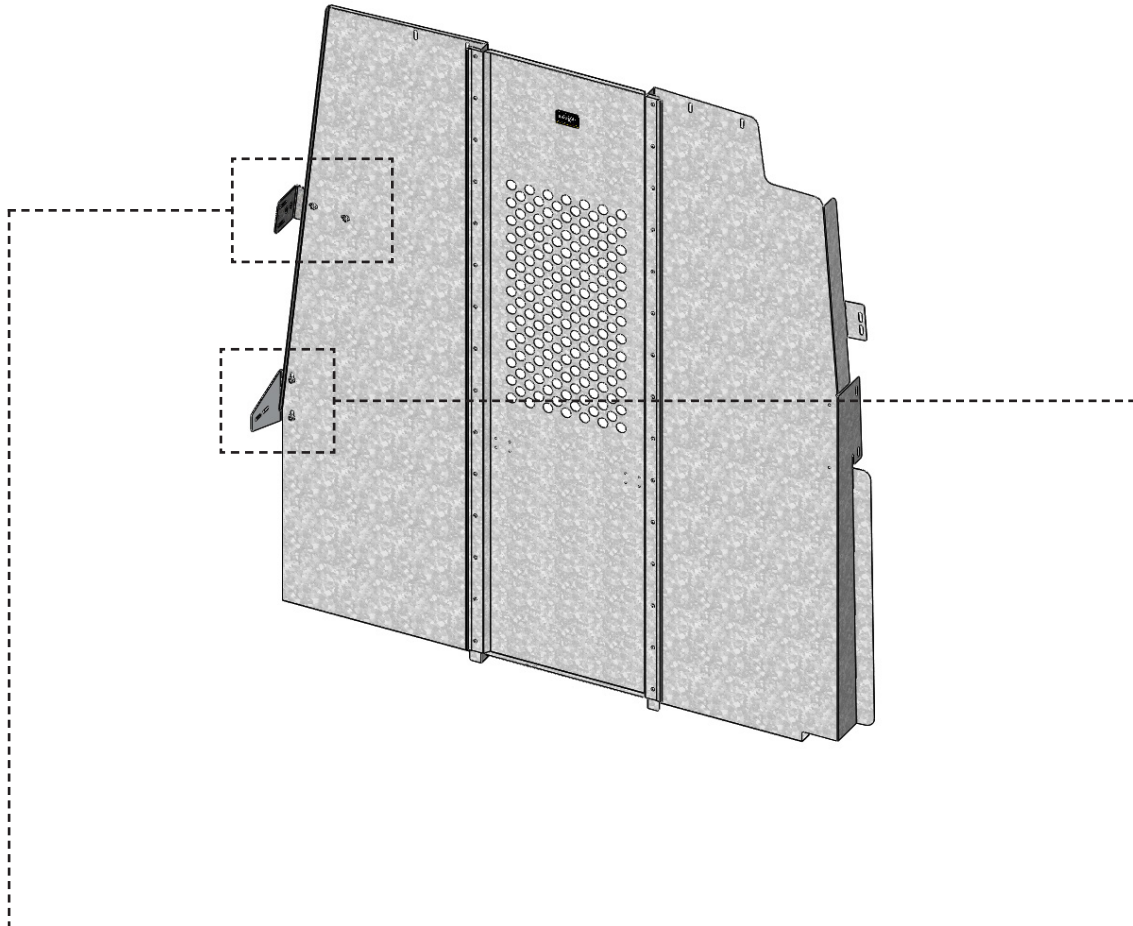
HARDWARE USED

30x



#96-202 Closed Rivet

1.2.2 Attach the "L" bracket and the driver side wing to the driver panel.

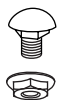


TOOLS

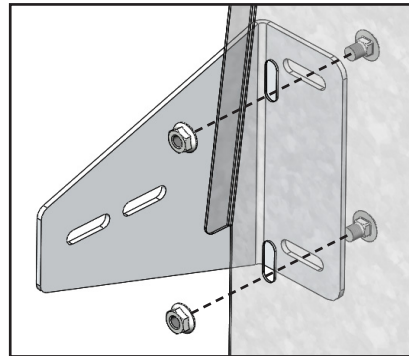
- Cordless Impact
- 1/2" Socket

HARDWARE USED

2x



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



TOOLS

- Cordless Impact
- 1/2" Socket

HARDWARE USED

2x



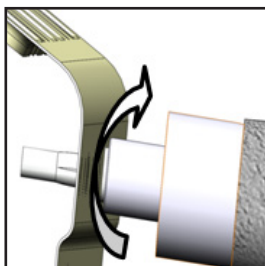
- #90-482 Carriage Bolt 5/16" × 1/2"
- #94-116 Serrated Nut

PHASE 2 – INSTALLATION

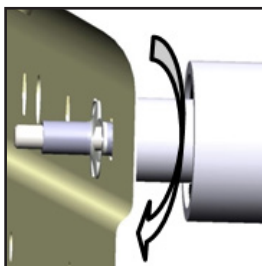
2.1 TIPS ON HOW TO ATTACH A PLUSNUT

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

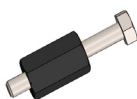


REVERSE

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

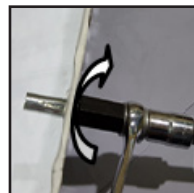
TIPS STEP 1:

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



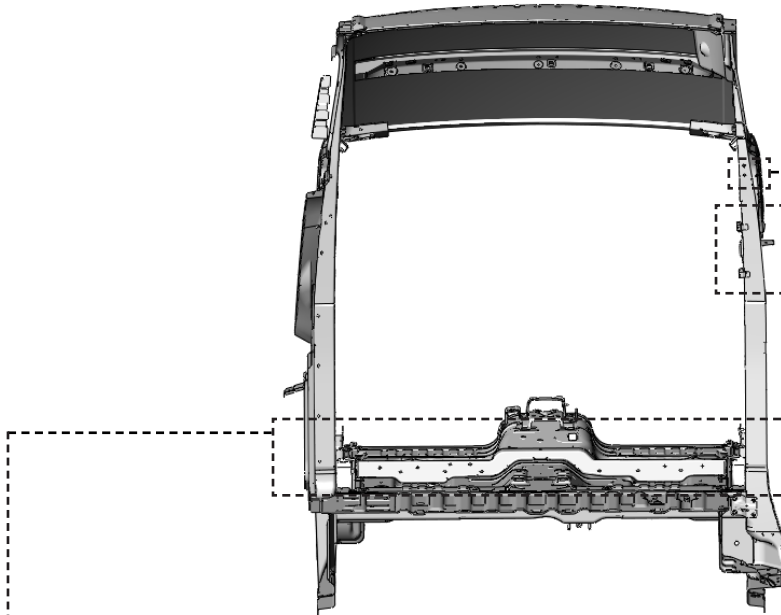
REVERSE

PHASE 2 – INSTALLATION

2.2 VEHICLE PREPARATION

2.2.1 Remove the grab handle, the cap on the B-pillar and and the 2 D-rings in the van.

NOTE: Keep the grab handle and the hardware for re-use.



TOOLS

- ☐ Cordless Impact
- ☐ 13mm Socket



TOOLS

- ☐ Cordless Impact
- ☐ 13mm Socket



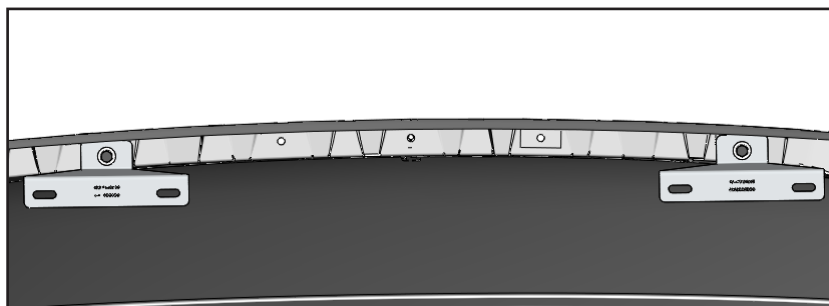
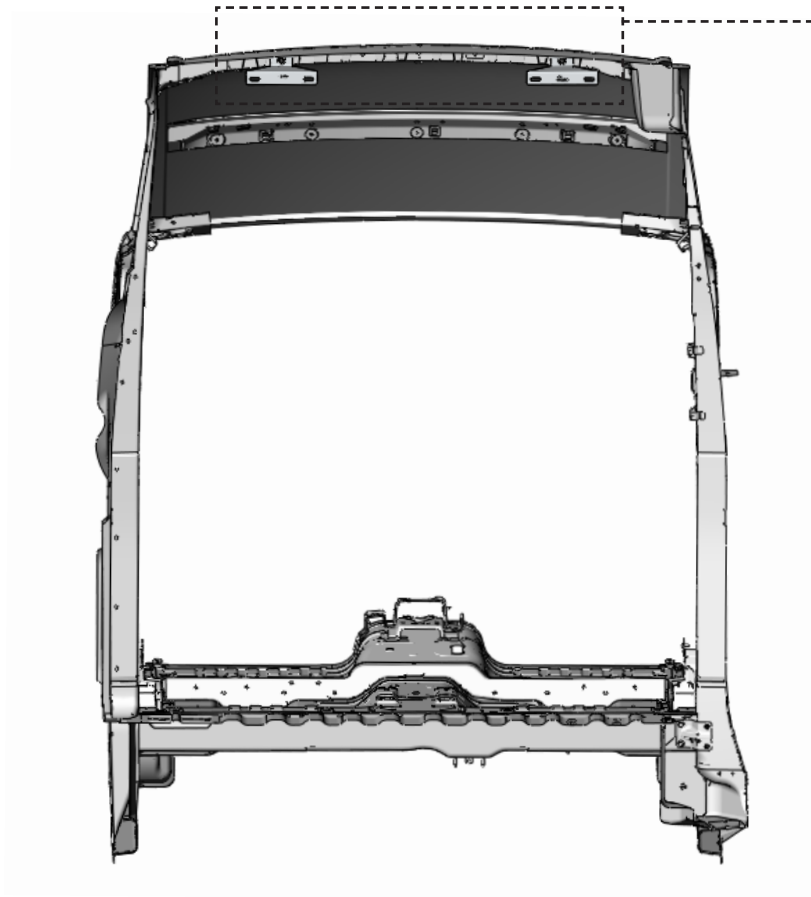
TOOLS

- ☐ Cordless Impact
- ☐ 13mm Socket

PHASE 2 – INSTALLATION

2.3 STRAIGHT PARTITION INSTALLATION

2.3.1 Attach the 2 ceiling brackets in the van.



TOOLS

- ☐ Cordless Impact
- ☐ 13mm Socket

HARDWARE USED

2x



#90-666 Hex Bolt M8 x 20

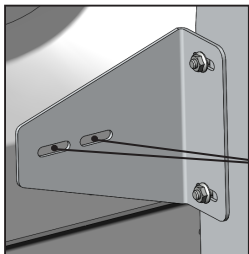
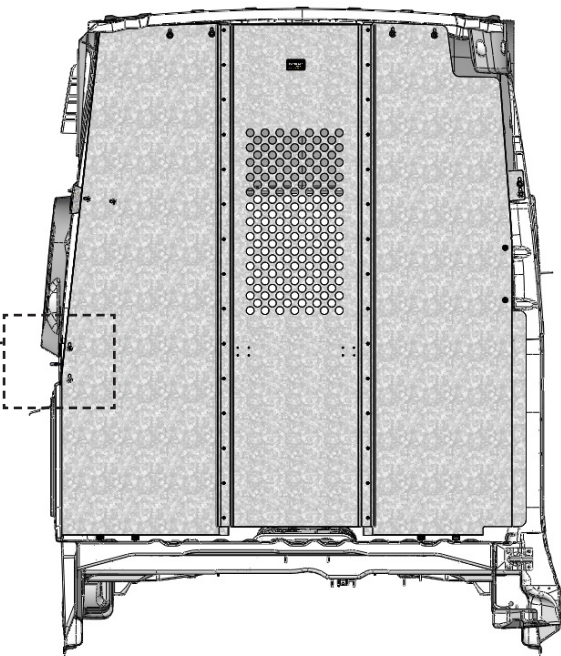


#98-122 Lock Washer



#98-116 Flat Washer

2.3.2 Lift the assembled partition into the van, then attach plusnuts.



Put the driver side panel in place, then place marks through the holes of the driver side wing.

MARKS

TOOLS

- ☐ Marker



Drill the 2 marks using 3/8" drill bit or step drill.

TOOLS

- ☐ Cordless Drill
- ☐ 3/8" Drill Bit or Step Drill



Attach plusnuts in the 2 holes.

TOOLS

- ☐ Plusnut Tool

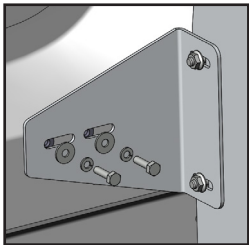
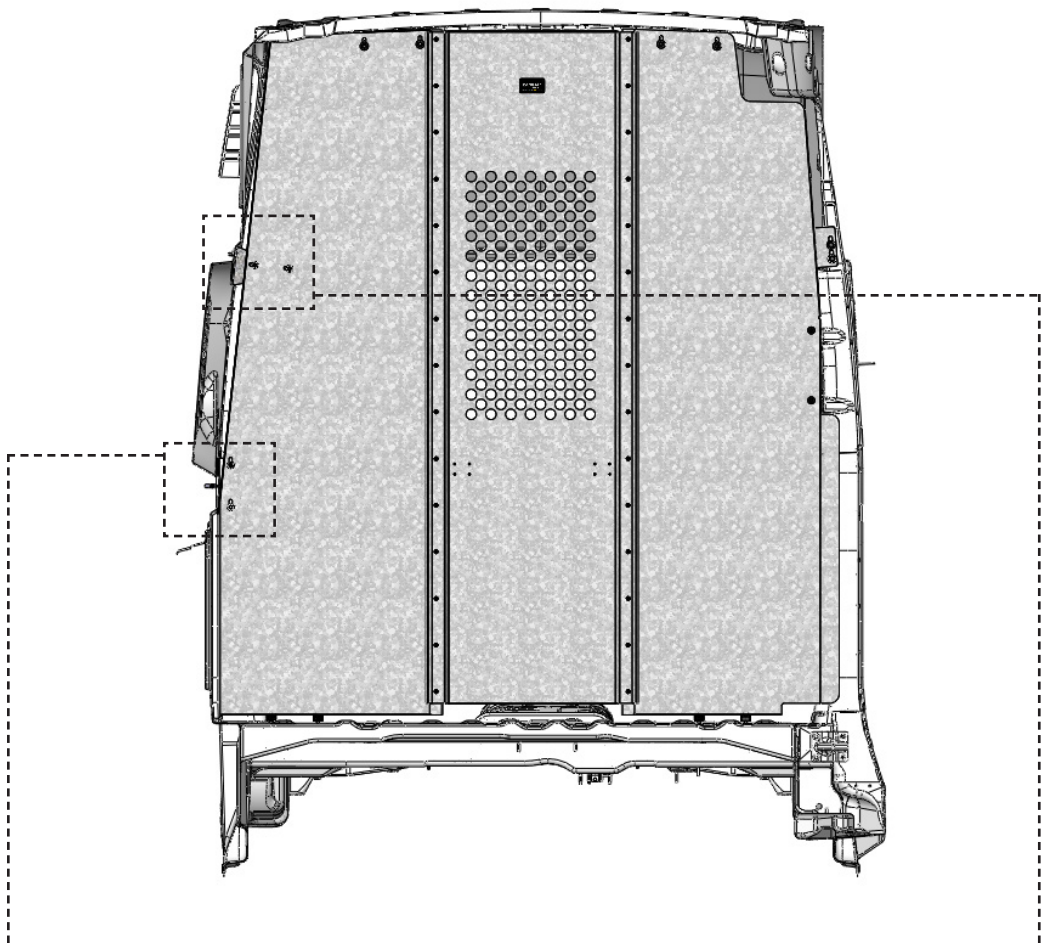
HARDWARE USED

2x



94-130
Plusnut .250

2.3.3 Attach the "L" bracket and the driver side wing in the van.



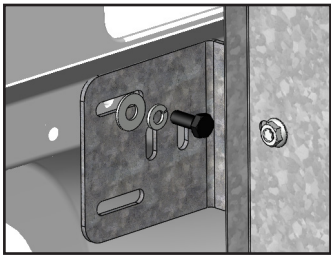
TOOLS

- Cordless Impact
- 7/16" Socket

HARDWARE USED

2x

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



TOOLS

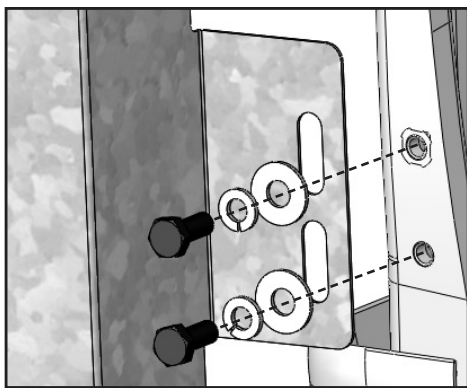
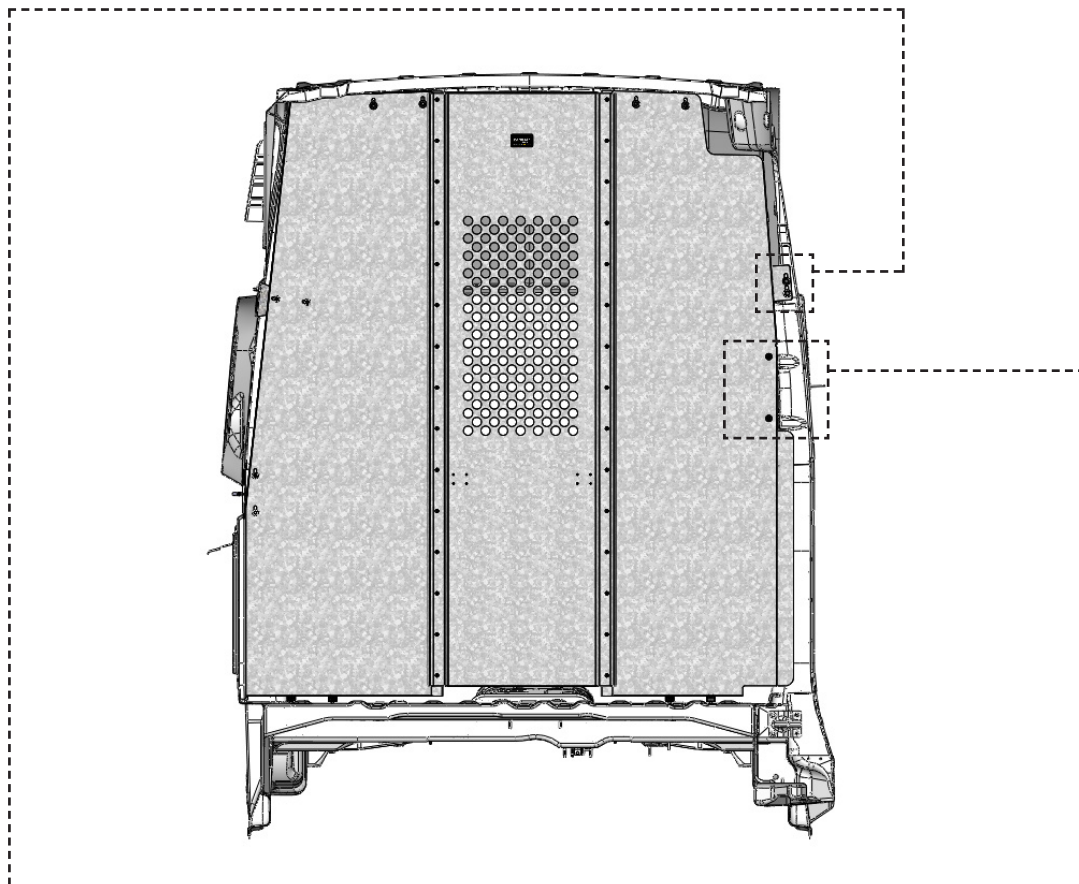
- Cordless Impact
- 13mm Socket

HARDWARE USED

1x

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

2.3.4 Attach the passenger side panel in the van.



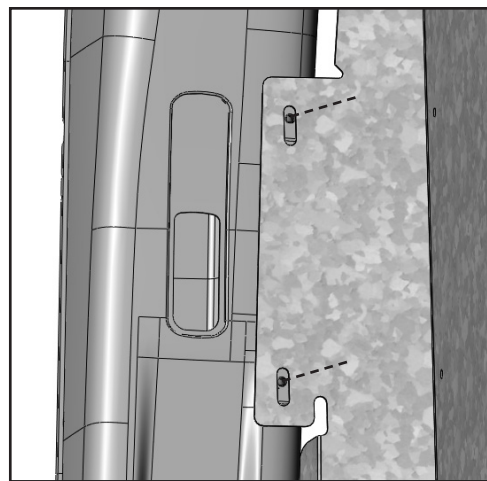
TOOLS

- Cordless Impact
- 13mm Socket

HARDWARE USED

2x

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



TOOLS

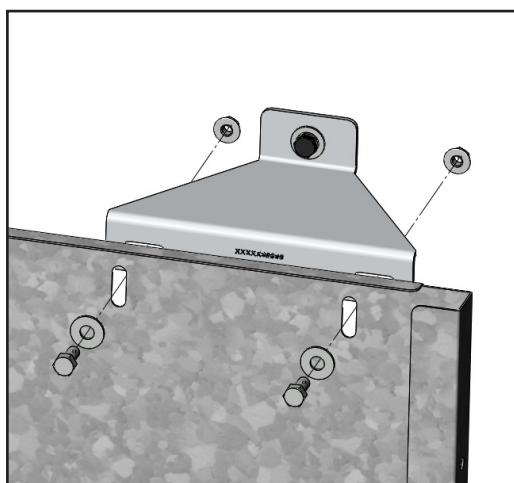
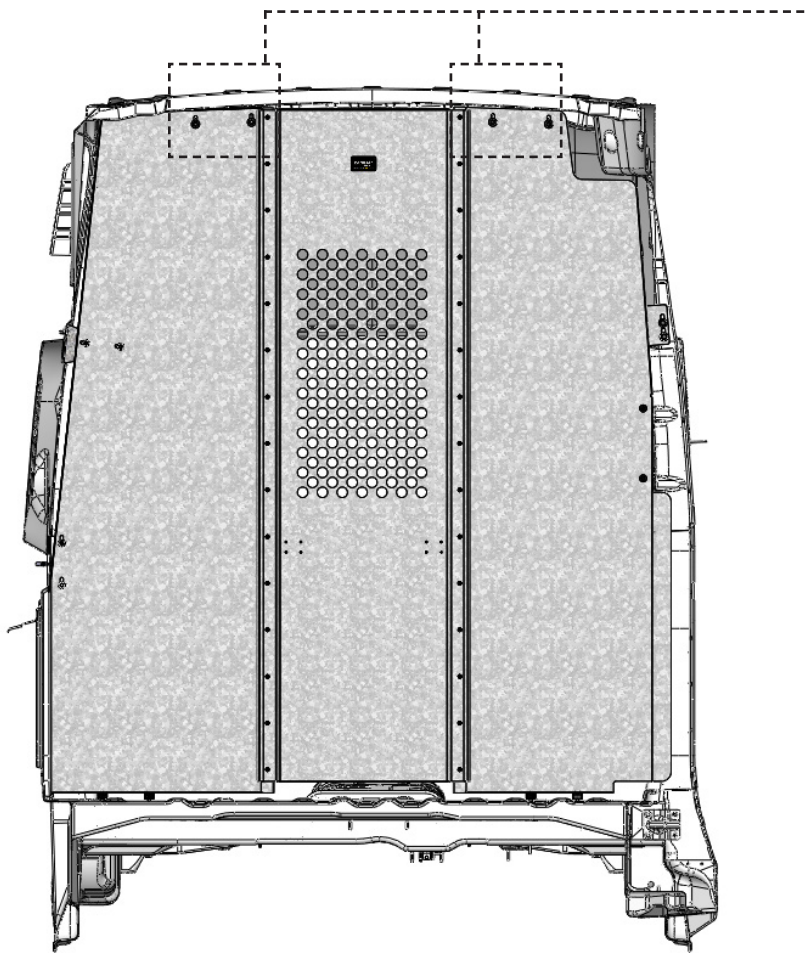
- Cordless Impact
- 13mm Socket

HARDWARE USED

2x

Use the hardware from the grab handle.

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



TOOLS

- Cordless Impact
- 1/2" Socket

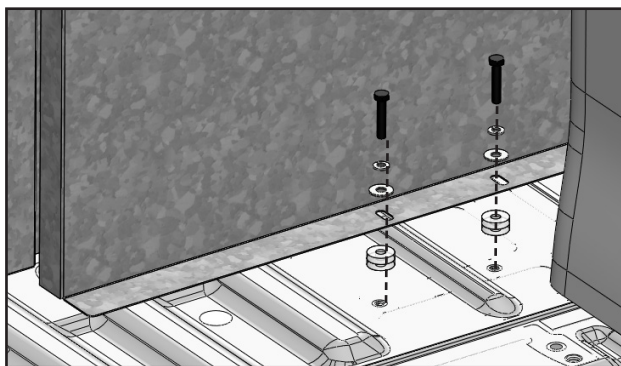
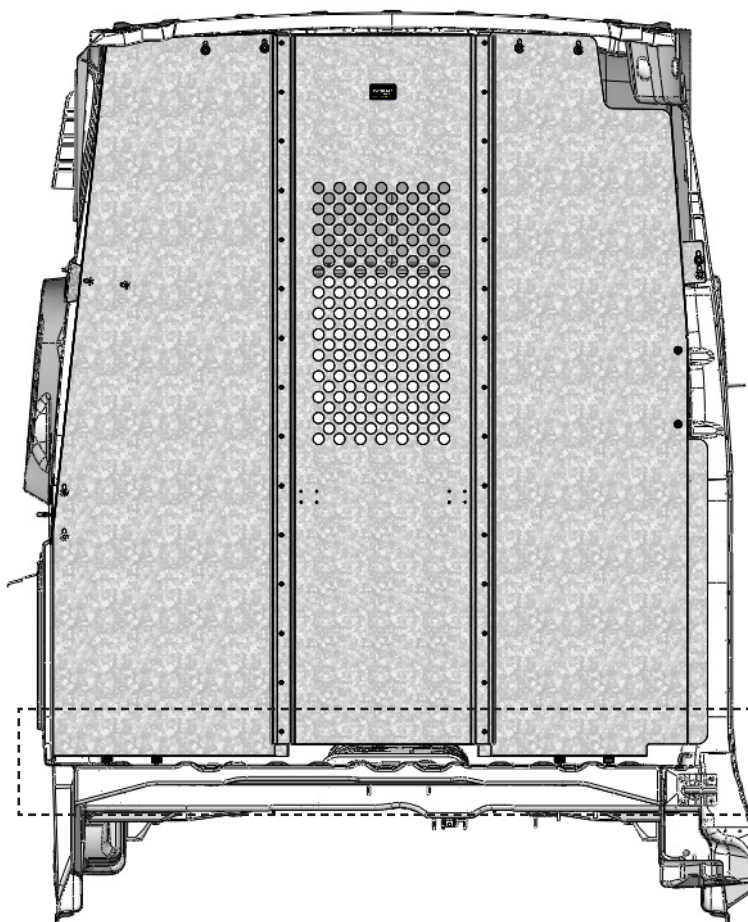
HARDWARE USED

4x

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

2.3.6 Bolt the driver and passenger side panels to the floor of the van.

NOTE: Use spacers to level the floor.

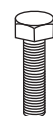


TOOLS

- Cordless Impact
- 13mm Socket

HARDWARE USED

4x



#90-668 Hex Bolt M8 x 40



#98-122 Lock Washer

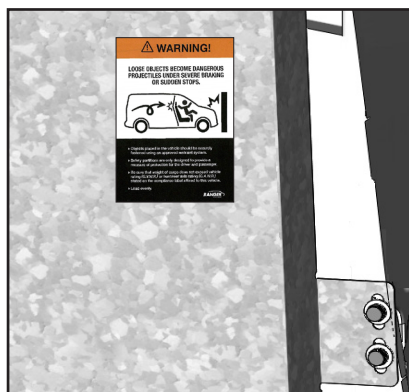
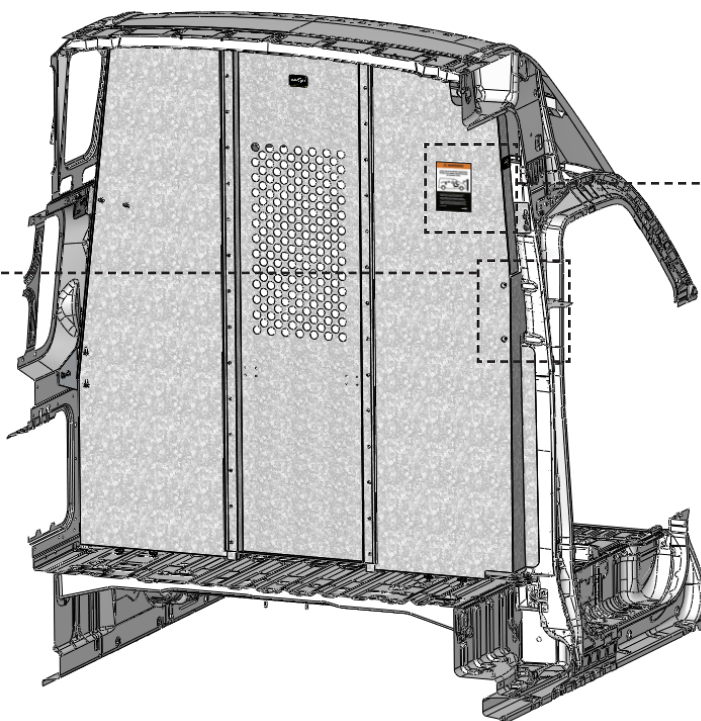


#98-116 Flat Washer



#98-157 Spacers (2)

2.3.7 Apply the warning label on the passenger side panel and re-install the grab handle.



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



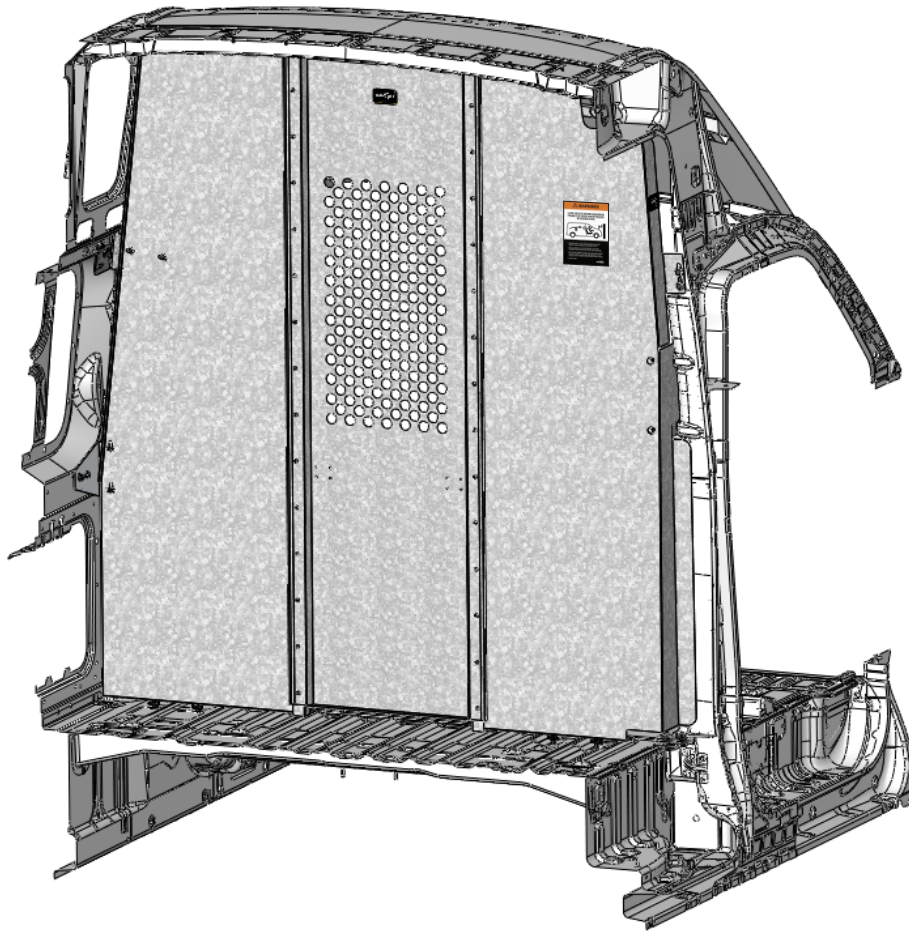
TOOLS

- ☐ Cordless Impact
- ☐ 1/2" Socket

HARDWARE USED

2x

- | | |
|---|------------------------------|
|  | #90-110 Hex Bolt 1/4" x 3/4" |
|  | #98-112 Flat Washer |
|  | #94-112 Serrated Nut |



**“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**](mailto:cs@rangerdesign.com)

