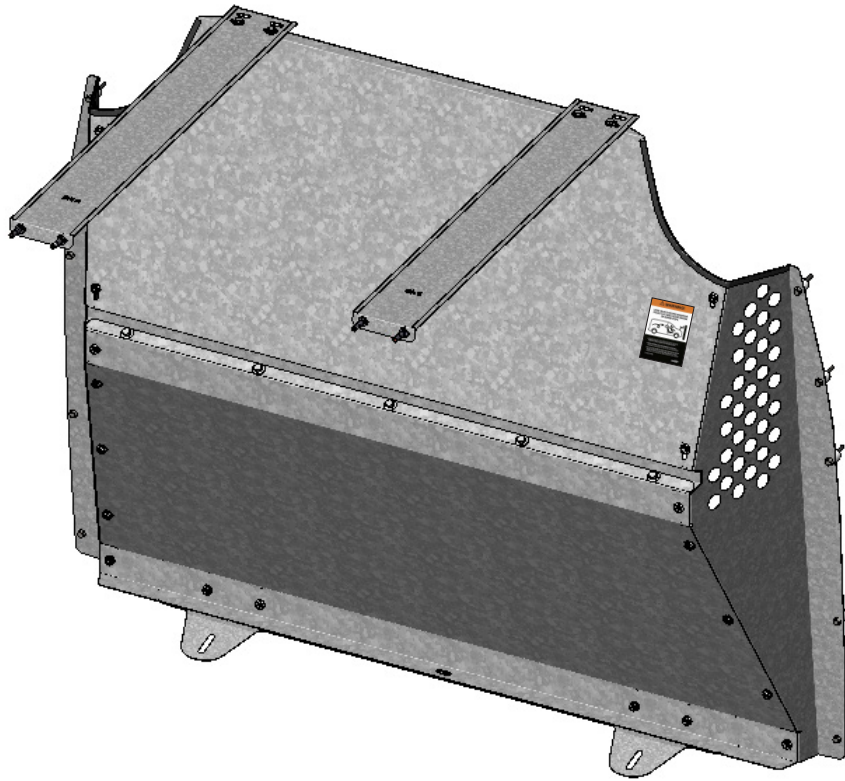


INSTALLATION GUIDE



C12-E CONTOURED PARTITION

Transit Connect Partition (Steel)



QUICK START GUIDE

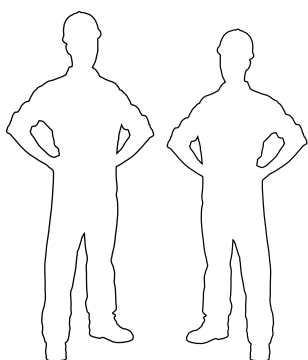
Phase 1 - Assembly

<input type="checkbox"/> 1.1 Setup.....	3 - 4
<input type="checkbox"/> 1.2 Partition Assembly.....	5 - 6

Phase 2 - Installation

<input type="checkbox"/> 2.1 Tips On How To Attach a Plusnut.....	7
<input type="checkbox"/> 2.2 Vehicle Preparation.....	8 - 9
<input type="checkbox"/> 2.3 Contoured Partition Installation.....	10 - 13

REQUIRED ITEMS



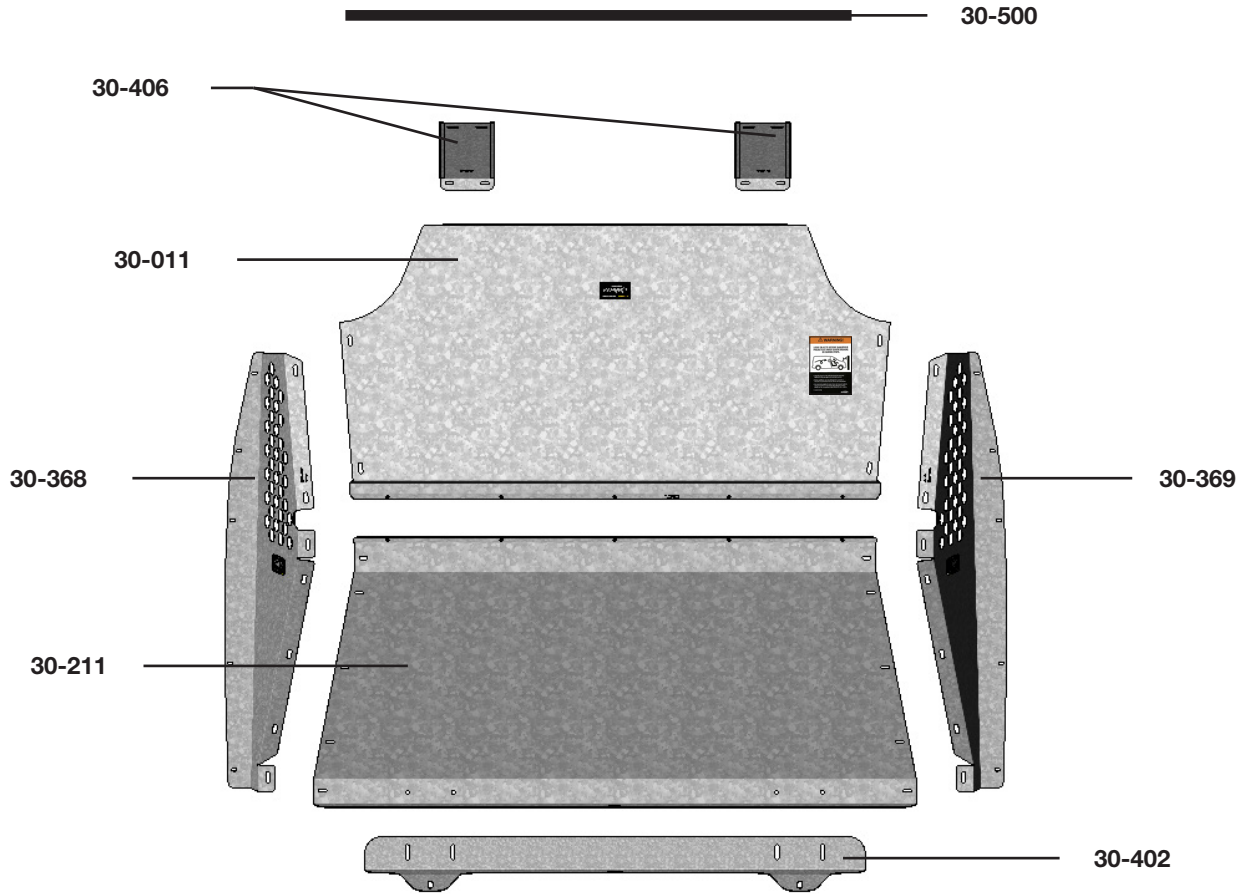
2
PERSONS

- Cordless Impact
- Cordless Drill
- Cutter
- Knife
- Mallet
- 1/2" Socket
- 7/16" Socket
- 10mm Socket
- T50 Torque Bit
- 9/16" Wrench

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.
30-011	Upper Panel	1
30-211	Lower Panel	1
30-368	Driver Side Wing	1
30-369	Passenger Side Wing	1
30-406	Ceiling Bracket	2
30-402	Floor Bracket	1
30-500	Edge Trim (QTY in Inches)	34.75
79-932	Warning Label (Bilingual)	1
94-3024	Assembly Fastener Bag	1
96-3014	Installation Fastener Bag	1

1.1.3 Identify the **94-3024** and **96-3014** fastener bags.




94-3024 Fastener Kit



Fastener Assembly

4x		# 90-108	Hex Bolt 1/4"-20 x 5/8" ZINC
19x		# 90-200	Hex Bolt 5/16"-18 x 1/2" ZINC
4x		# 90-204	Hex Bolt 5/16"-18 x 3/4" ZINC
4x		# 94-112	Serrated Nut 1/4"-20 ZINC
23x		# 94-116	Serrated Nut 5/16"-18 ZINC
4x		# 98-112	Flat Washer 1/4", 3/4" OD ZINC
23x		# 98-116	Flat Washer 5/16", 7/8" OD ZINC




4x

 #90-108 Hex Bolt 1/4" x 5/8"
 #98-112 Flat Washer
 #94-112 Serrated Nut

19x

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

4x

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


96-3014 Fastener Kit



Fastener Assembly

4x		# 90-118	Hex Bolt 1/4"-20 x 1-1/4" GR-5 ZINC
4x		# 94-130	Plusnut .250
4x		# 98-112	Flat Washer 1/4", 3/4" OD ZINC
4x		# 98-118	Lock Washer Regular 1/4" ZINC
10x		# 90-971	Hex Bolt M6-1.0 x 20mm 1022 BO

4x

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

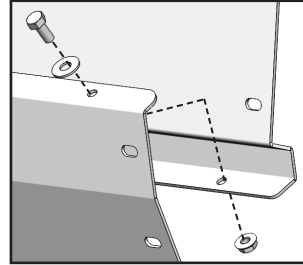
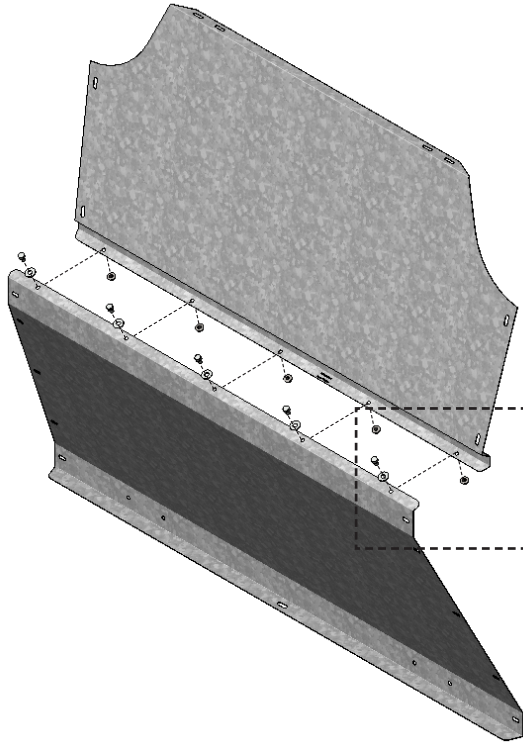
10x

 #90-971 Hex Bolt M6-1.0 x 20mm

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.






TOOLS

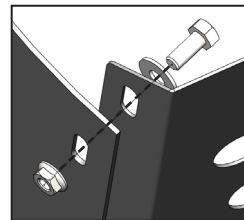
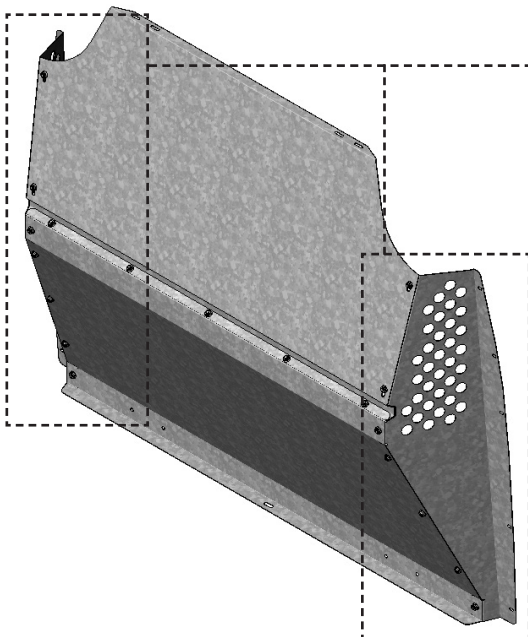
- Cordless Impact
- Knife
- 1/2" Socket

HARDWARE USED

5x

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

1.2.2 Attach both wings to the upper and lower panels.






TOOLS

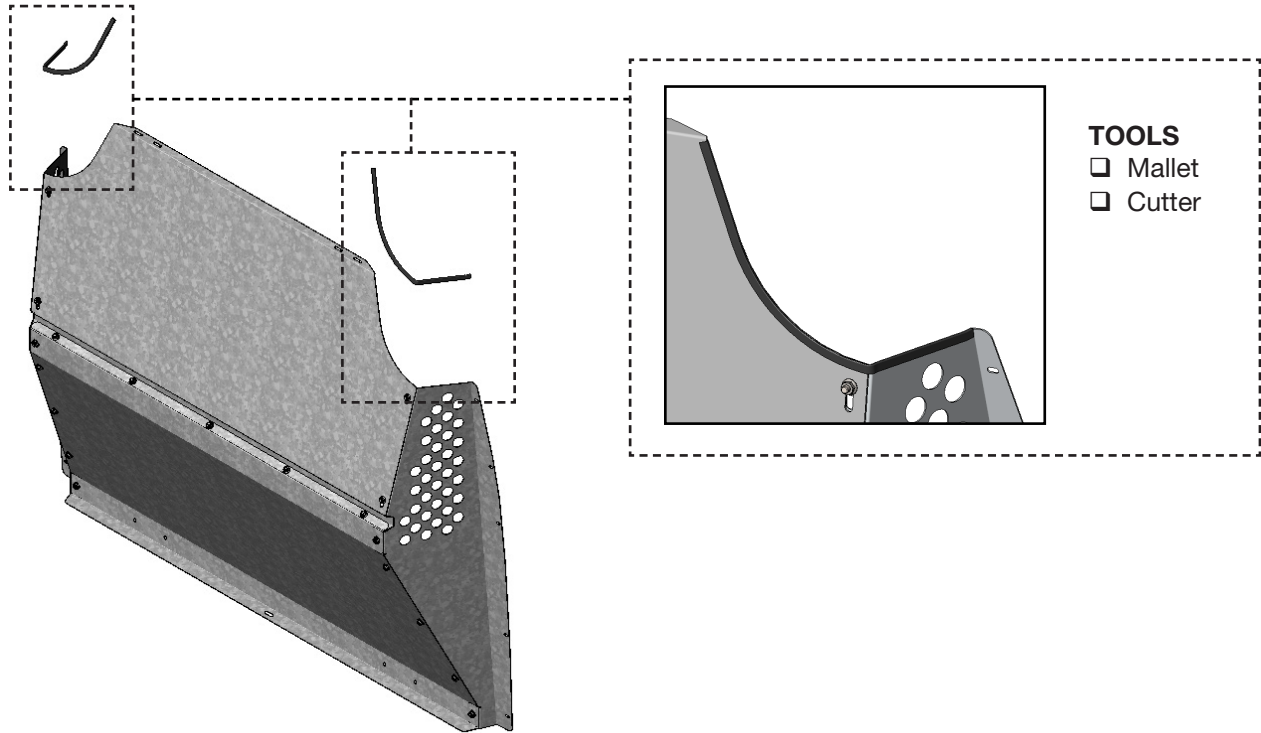
- Cordless Impact
- 1/2" Socket

HARDWARE USED

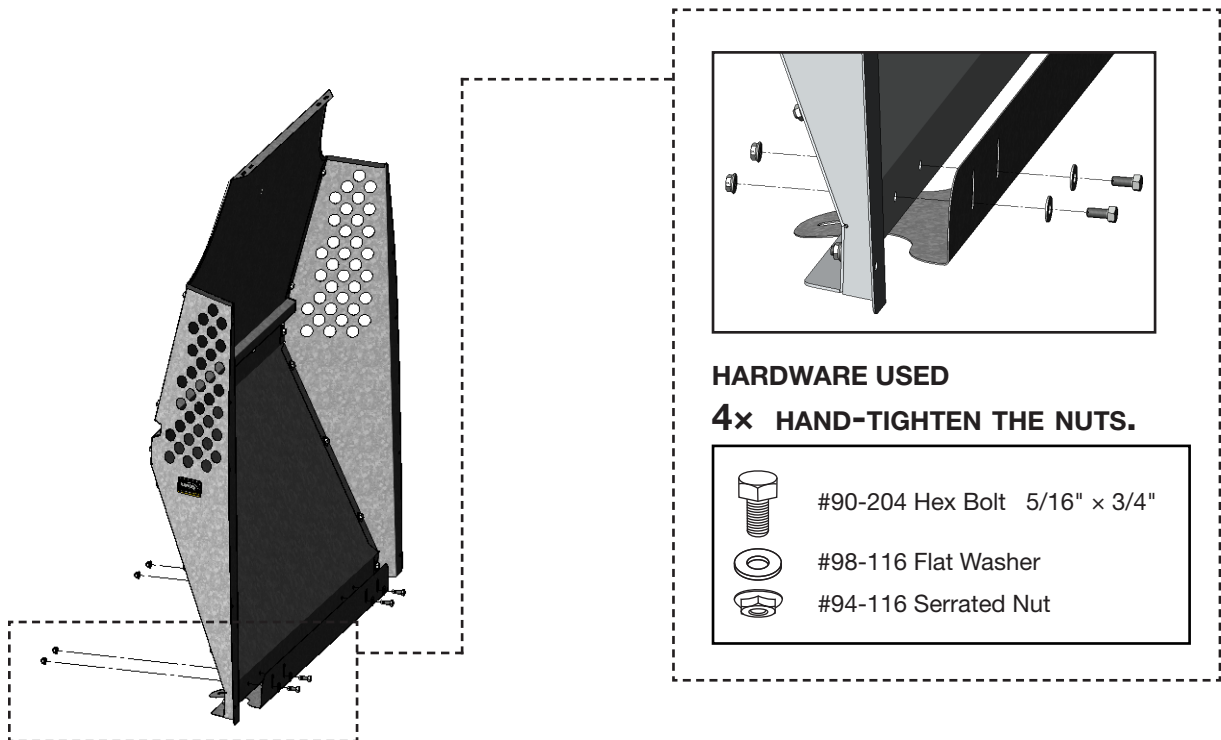
14x

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

1.2.3 Attach the edge trims on these locations.



1.2.4 Attach the floor bracket to the lower panel.

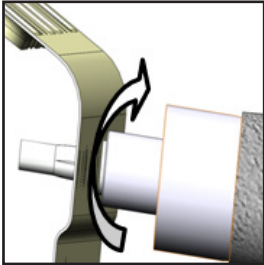


PHASE 2 – INSTALLATION

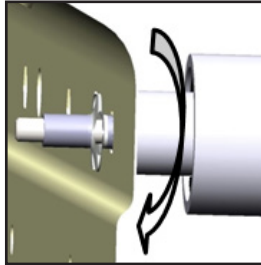
2.1 TIPS ON HOW TO ATTACH A PLUSNUT

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.



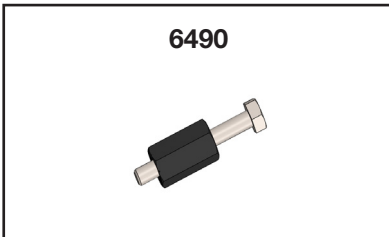
FORWARD



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 x 3/4" OD

TOOLS

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

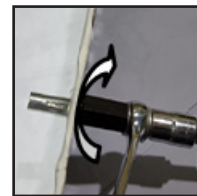
TIPS STEP 1:

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

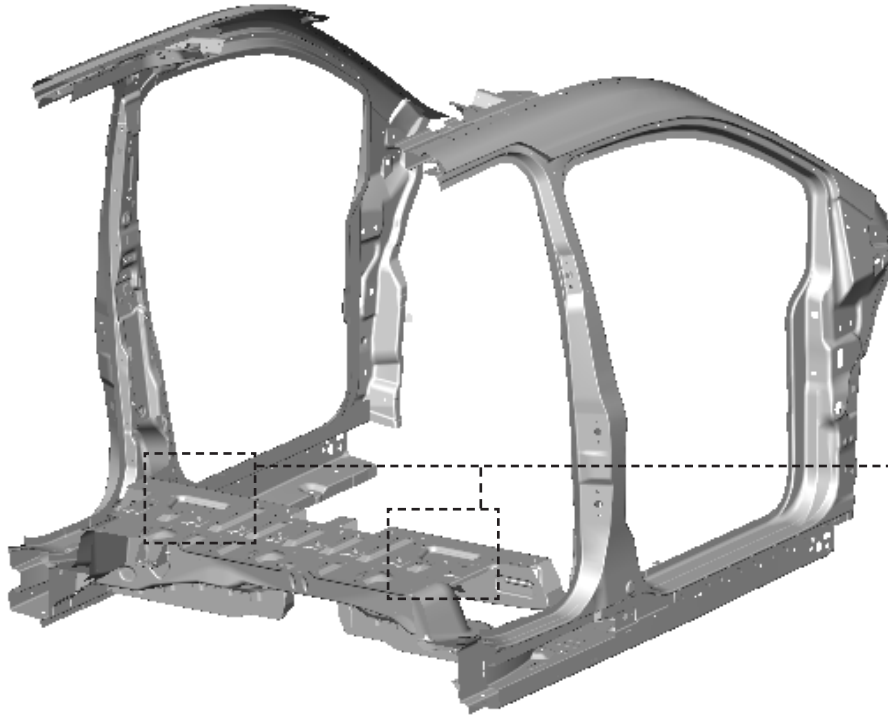


REVERSE

PHASE 2 – INSTALLATION

2.2 VEHICLE PREPARATION

2.2.1 Floor preparation.



Remove the 2 D-rings,
for re-use.

TOOLS

- Cordless Impact
- T50 Torque Bit

2.2.2 Roof preparation.



Use 3/8" drill to enlarge these 4 factory holes.

TOOLS

- Drill Collar Set at 1/2"
- Cordless Drill
- 3/8" Drill Bit



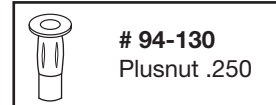
Attach plusnuts on the 4 factory holes.

TOOLS

- Plusnut Tool

HARDWARE USED

4x



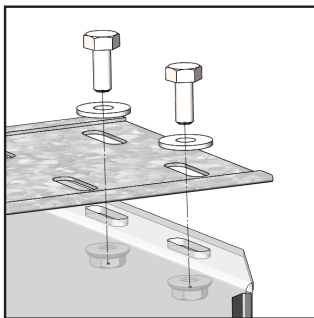
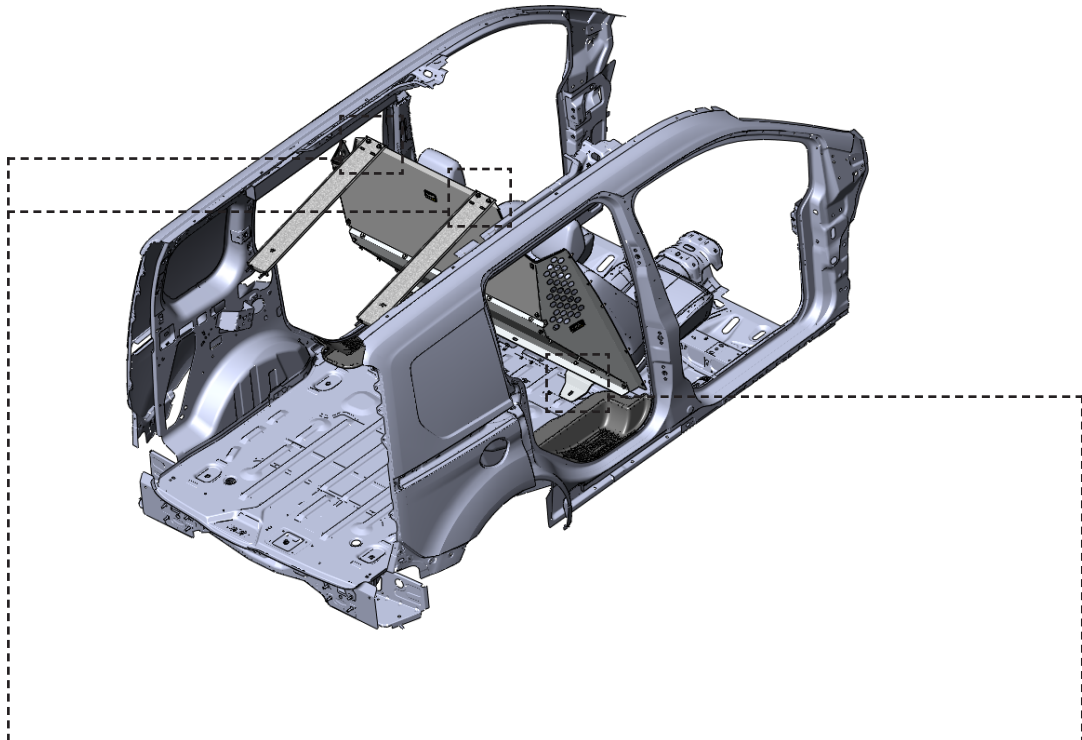
94-130
Plusnut .250

PHASE 2 – INSTALLATION

2.3 CONTOURED PARTITION INSTALLATION

2.3.1 Lift the partition inside the van, then attach the 2 ceiling brackets on the upper panel.

NOTE: For 2018 Ford Transit Connect use the 2nd slots of the brackets.



TOOLS

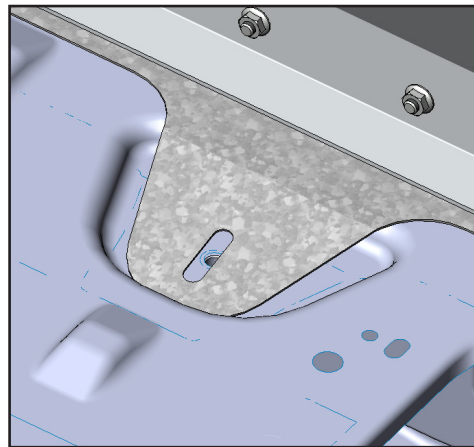
- Cordless Impact
- 7/16" Socket

HARDWARE USED

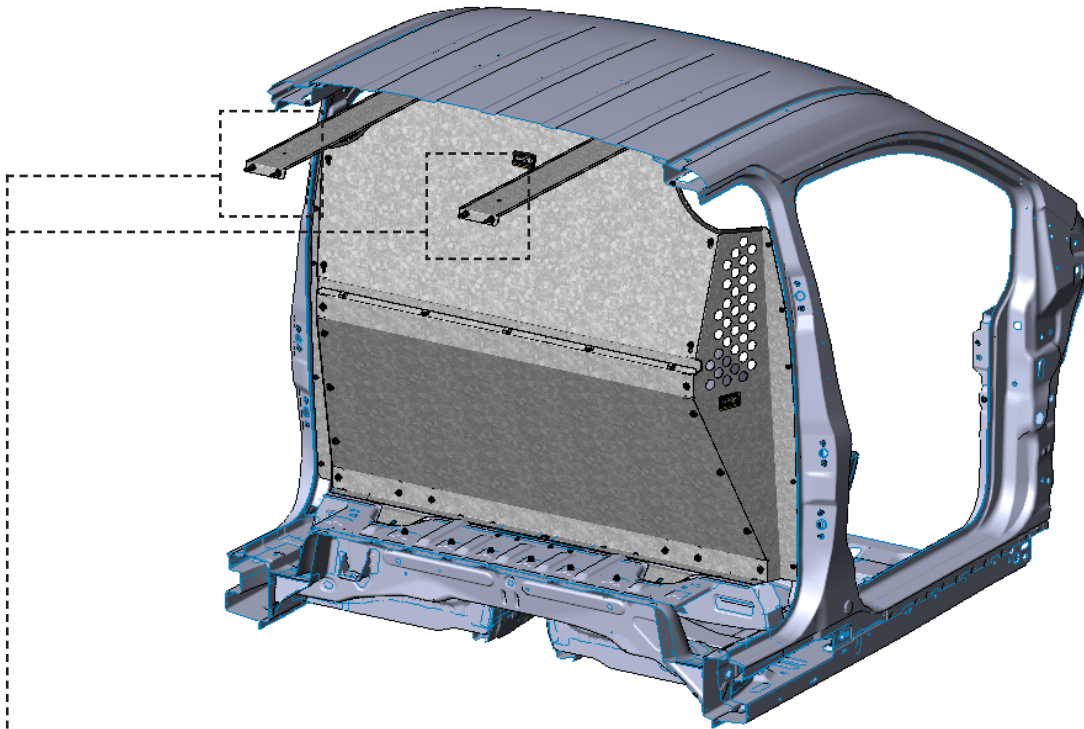
4x

- | | |
|---|------------------------------|
|  | #90-108 Hex Bolt 1/4" x 5/8" |
|  | #98-112 Flat Washer |
|  | #94-112 Serrated Nut |

NOTE: Slide the floor bracket into the slots on the floor.



2.3.2 Attach the 2 ceiling brackets using the hex bolts into the plusnuts.



TOOLS

- Socket Wrench
- 7/16" Socket

HARDWARE USED

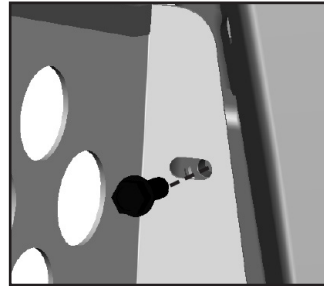
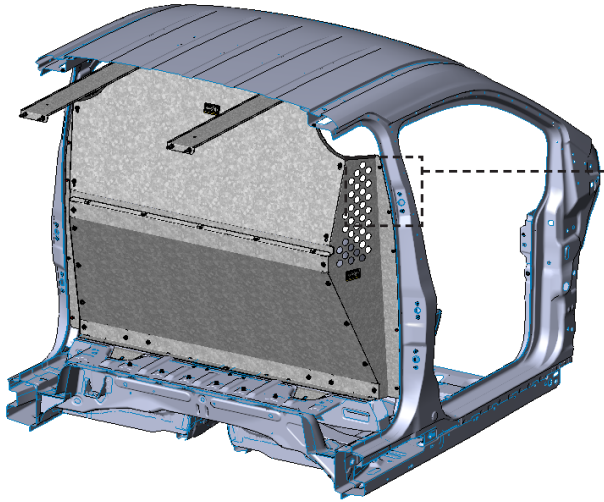
4x



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

2.3.3 Bolt both wings to the van.

NOTE: Be careful not to overtighten.



TOOLS

- Cordless Drill
- 10mm Socket

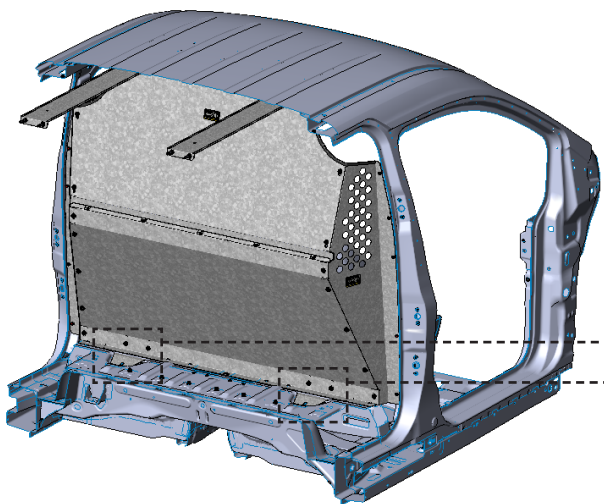
HARDWARE USED

10x



#90-971 Hex Bolt M6-1.0 x 20mm

2.3.4 Attach the floor bracket to the van using 2 D-rings, then tighten the bolts that attach the floor bracket and lower panel.



TOOLS

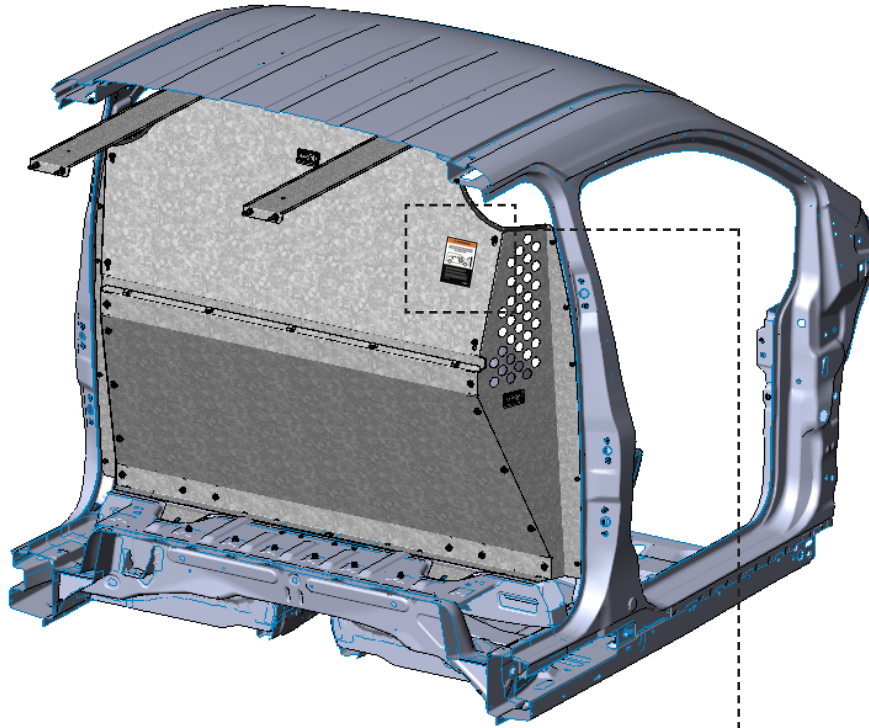
- Cordless Impact
- T50 Torque Bit

HARDWARE USED

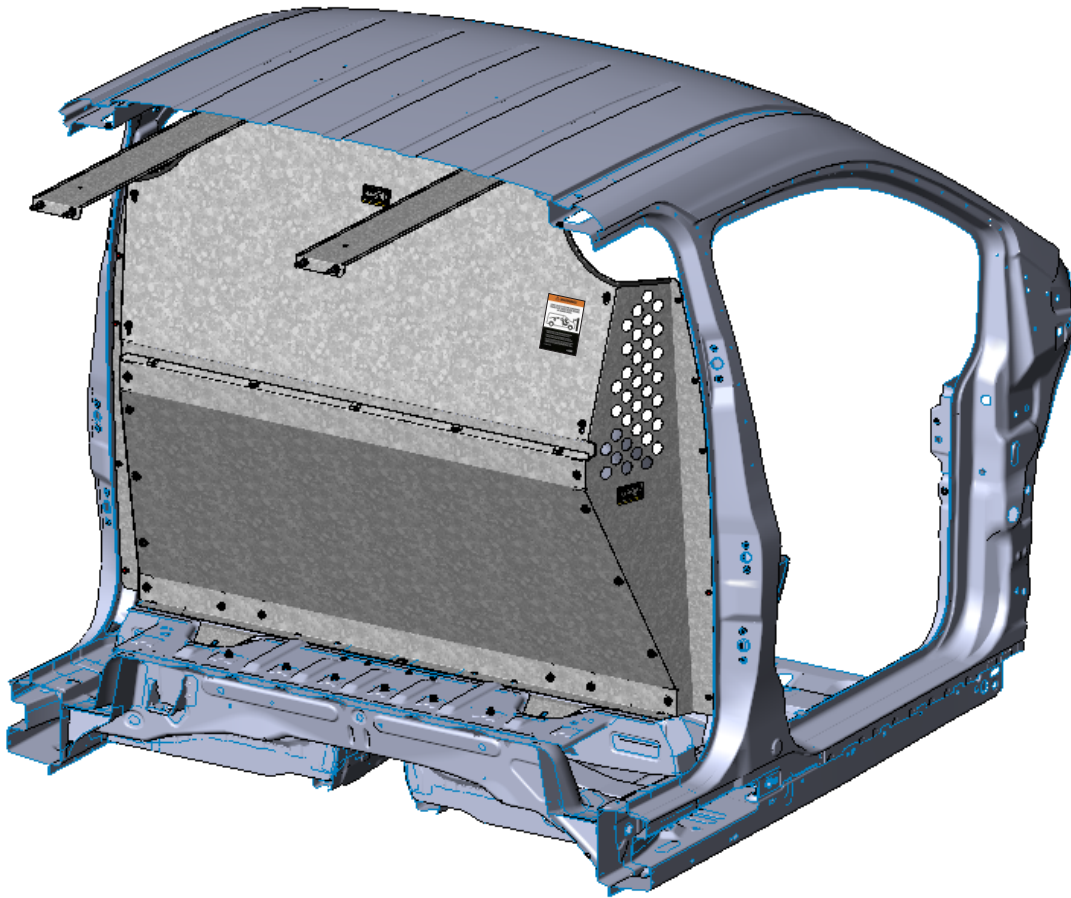
2x

Use the D-ring bolt

2.3.5 Apply the warning label on the upper panel.



NOTE: The english warning label is already attached to the upper panel.



**“Congratulations, you have successfully installed your
C12-E Partition!”**

Thank you for doing business with us.”

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

