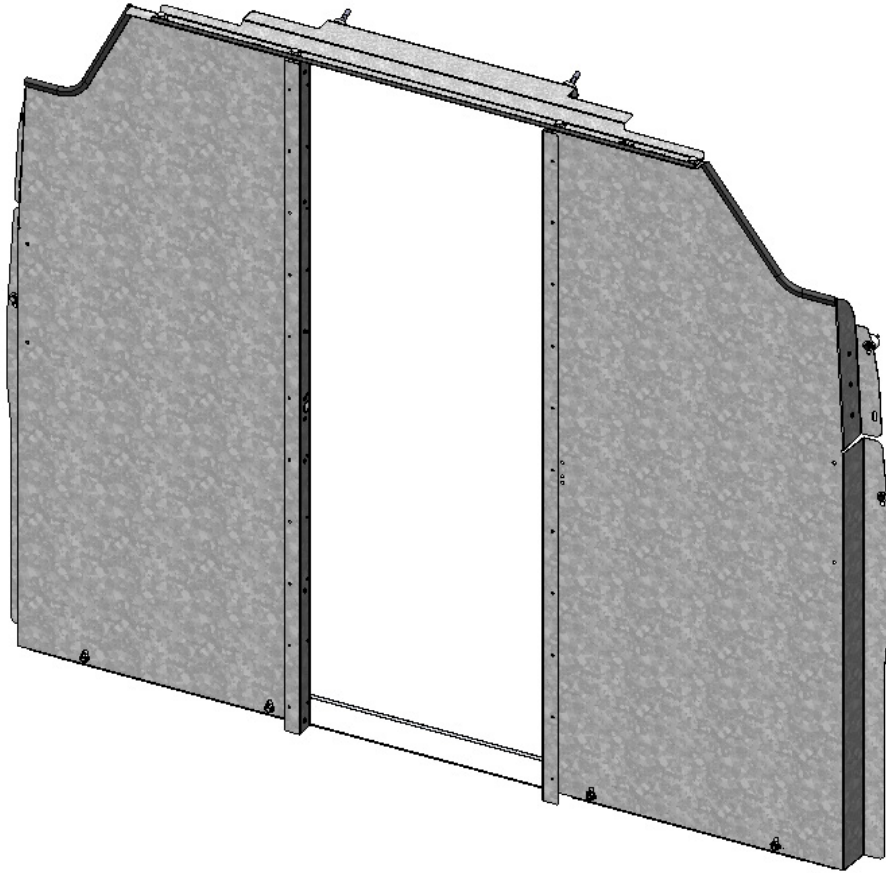


# INSTALLATION GUIDE



## C24-FTL STRAIGHT PARTITION

Transit Partition ( Walk-Through, Steel )



# QUICK START GUIDE

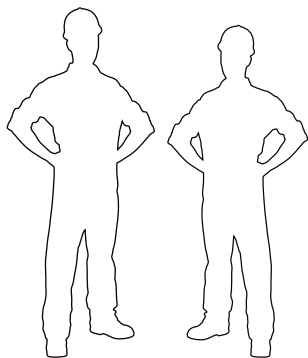
## Phase 1 - Assembly

❑ 1.1 Setup.....	3 - 5
❑ 1.2 Partition Assembly.....	5

## Phase 2 - Installation

❑ 2.1 Tips On How To Attach a Plusnut.....	6
❑ 2.2 Vehicle Preparation.....	7 - 8
❑ 2.3 Partition Installation.....	9 - 13

# REQUIRED ITEMS



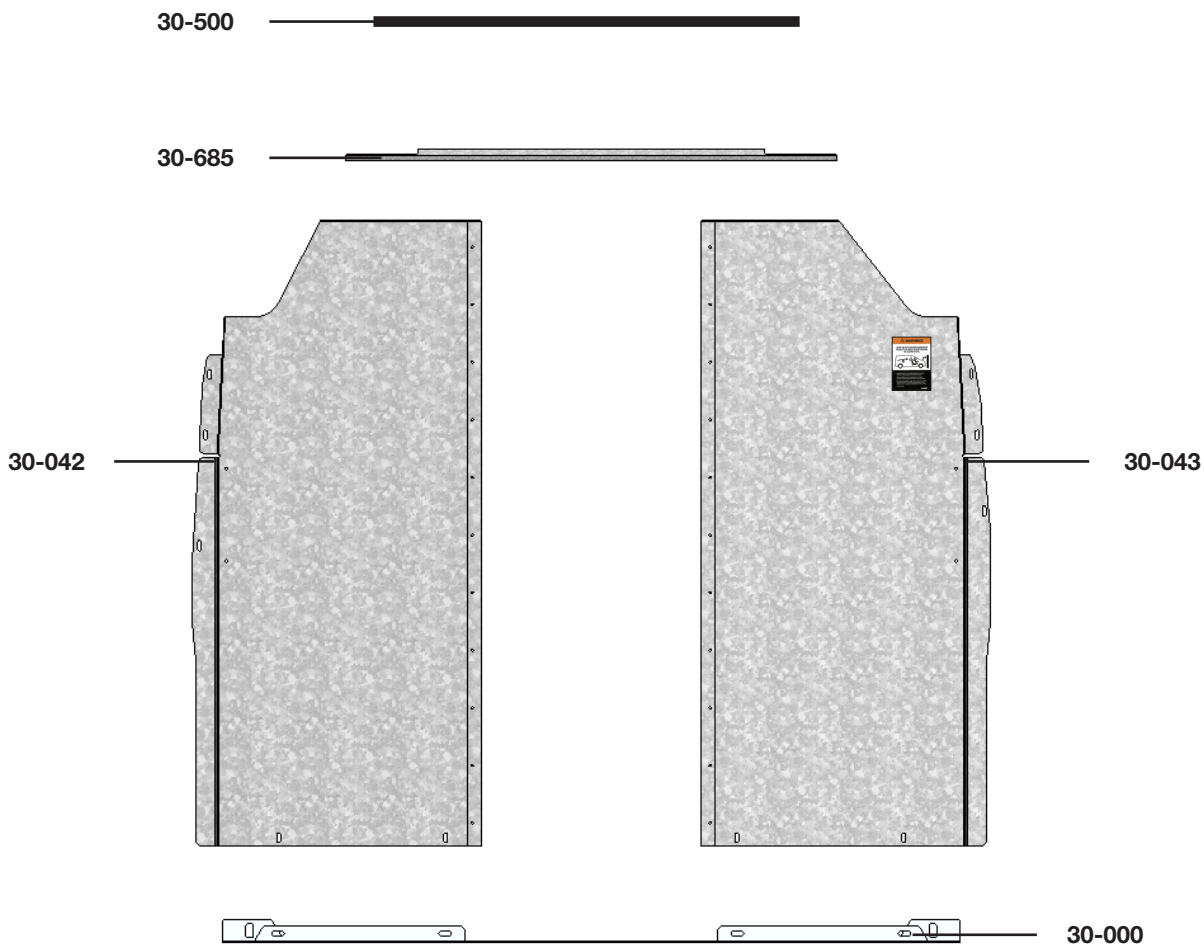
2  
PERSONS

- ❑ Cordless Impact
- ❑ Cordless Drill
- ❑ Cutter
- ❑ Flat Screwdriver
- ❑ Mallet
- ❑ Marker
- ❑ Plusnut Tool
- ❑ Socket Wrench
- ❑ Tape Measure
- ❑ 3/8" Drill Bit
- ❑ 7/16" Socket
- ❑ 1/2" Socket
- ❑ 9/16" Wrench
- ❑ 1" Hole Saw
- ❑ 10mm Socket
- ❑ 13mm Socket

# PHASE 1 – ASSEMBLY

## 1.1 SETUP

1.1.1 Unpack components; compare with the bill of materials.

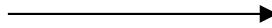


1.1.2 Verify all parts are present.

Item No.	Description	Qty.
30-000	Floor Bracket	1
30-042	Driver Side Panel w/ Swing Door	1
30-043	Passenger Side Panel	1
30-500	Edge Trim ( QTY in Inches )	36
30-685	Top Alignment Bar	1
79-932	Warning Label ( Bilingual )	1
94-3007	Assembly Fastener Bag	1
96-3033	Installation Fastener Bag	1

**1.1.3** Identify the **96-3033** and **94-3007** fastener kits.

**96-3033 Fastener Kit**









**Fastener Assembly**

2x		# 90-114	Hex Bolt 1/4"-20 x 1" ZINC
2x		# 90-130	Hex Bolt 1/4"-20 x 2" ZINC
2x		# 90-836	Hex Bolt M6-1.00 x 40mm BLACK OXIDE
4x		# 94-130	Plusnut .250
6x		# 98-112	Flat Washer 1/4", 3/4" OD ZINC
6x		# 98-118	Lock Washer Regular 1/4" ZINC
2x		# 98-141	Square Flat Washer 7/16" ID, x 1"
2x		# 98-157	Spacer 0.375" ID, x 1.0" OD x 0.25" LONG NYLON
4x		# 98-158	Retaining Washer M16 ( 1/4") NYLON
4x		# 98-161	Spacer 1.0 x .625 x .375 NYLON






**2x**

	#90-114 Hex Bolt 1/4" x 1"
	#98-118 Lock Washer
	#98-112 Flat Washer
	#98-161 Spacers
	#94-130 Plusnut .250


**2x**

	#90-130 Hex Bolt 1/4" x 2"
	#98-118 Lock Washer
	#98-112 Flat Washer
	#98-161 Spacers
	#98-158 Retaining Washer
	#94-130 Plusnut .250

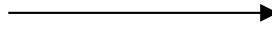
**2x**

	#90-836 Hex Bolt M6 x 40
	#98-118 Lock Washer
	#98-112 Flat Washer
	#98-161 Spacers
	#98-158 Retaining Washer





**2x**

	#98-141 Square Flat Washer
---	----------------------------




## 94-3007 Fastener Kit





## Fastener Assembly

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

4x

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

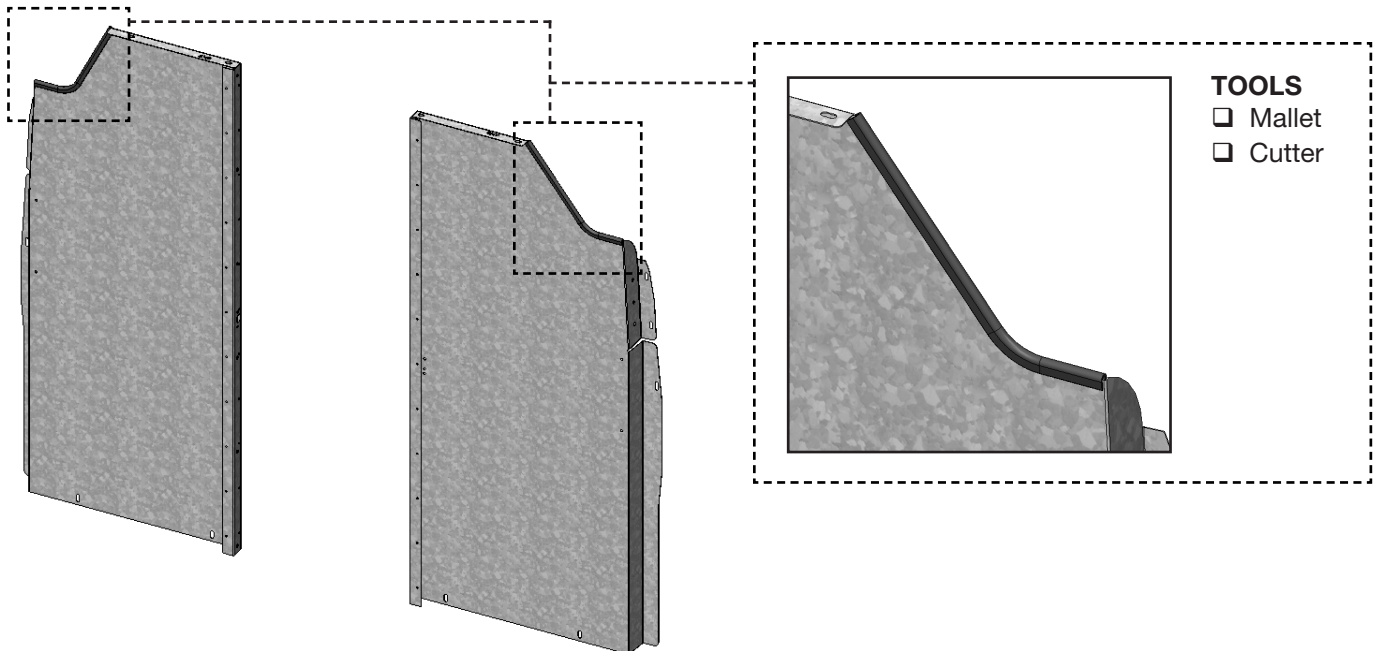
4x

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

# PHASE 1 – ASSEMBLY

## 1.2 PARTITION ASSEMBLY

1.2.1 Remove all the PVC from all the parts, then attach the edge trims on these locations.

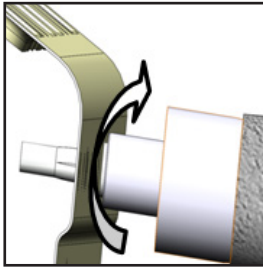


# PHASE 2 – INSTALLATION

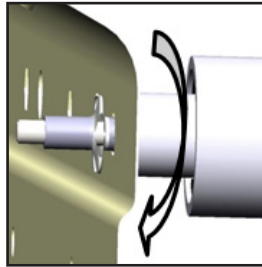
## 2.1 TIPS ON HOW TO ATTACH A PLUSNUT

**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**

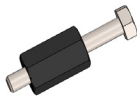


**REVERSE**



**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

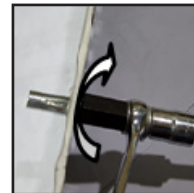
### TIPS STEP 1:

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**



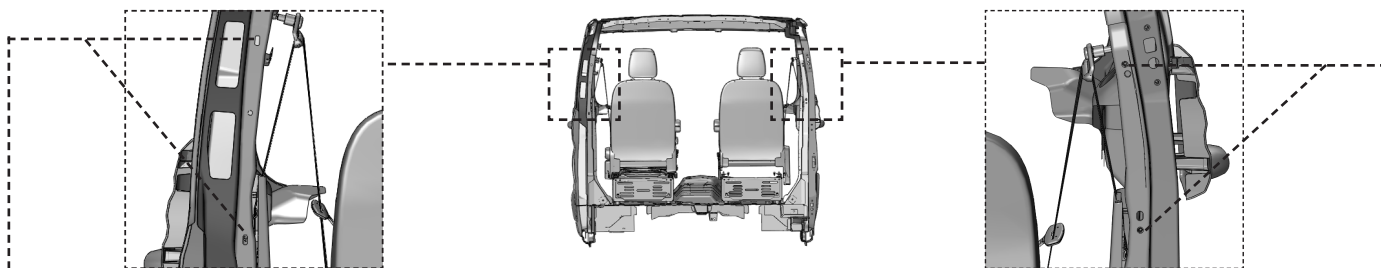
**REVERSE**

# PHASE 2 – INSTALLATION

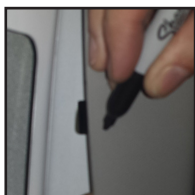
## 2.2 VEHICLE PREPARATION

### 2.2.1 Driver and passenger sides preparation.

**NOTE:** This partition is design w/ floor make a new holes in the van if the holes is not align in the holes of the panels.



Put a mark on the plastic over these 2 holes.



#### TOOLS

- ☐ Marker

Use 1" hole saw to drill through the plastic cover over these two factory holes.



#### TOOLS

- ☐ 1" Hole Saw
- ☐ Cordless Drill

Use 3/8" drill to enlarge the bottom part of these two factory holes.



#### TOOLS

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

Attach plusnuts on the two factory holes.



#### TOOLS

- ☐ Plusnut Tool

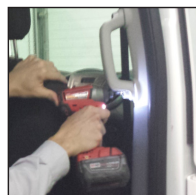
#### HARDWARE USED

2x



# 94-130  
Plusnut .250

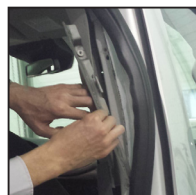
Remove the factory handle in the van.



#### TOOLS

- ☐ Flat Screwdriver
- ☐ Cordless Impact
- ☐ 10mm Socket

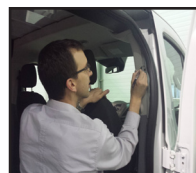
After removing the handle, pull the rubber out, then remove the bracket by removing the two bolts.



#### TOOLS

- ☐ Cordless Impact
- ☐ 10mm Socket

Put a mark on the plastic over the 2 threaded holes.



#### TOOLS

- ☐ Marker

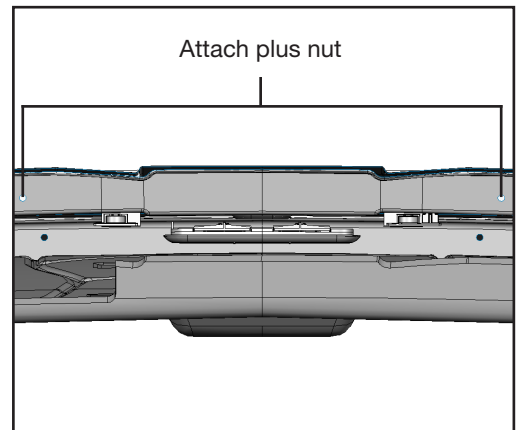
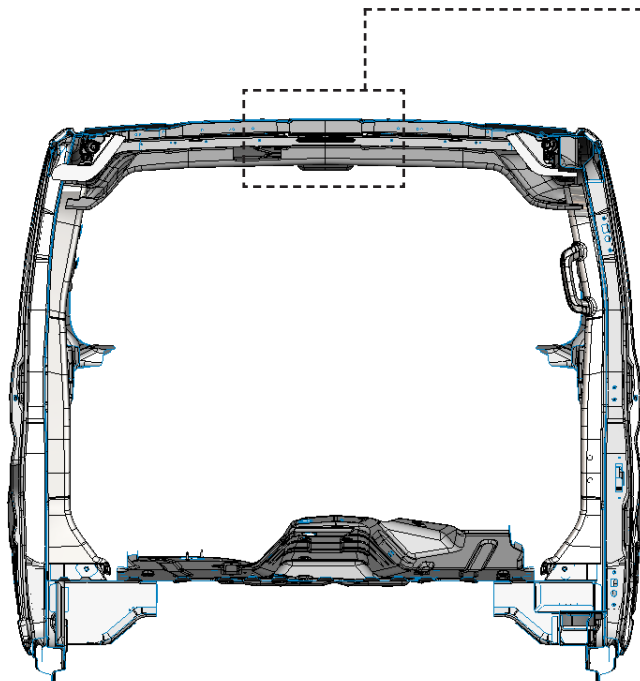
Gently pull the plastic b-pillar from the metal. Use a 1" hole saw to drill through the plastic cover over these two factory threaded holes. (Use caution not to damage the threaded holes).



#### TOOLS

- ☐ 1" Hole Saw
- ☐ Cordless Drill

**2.2.2** Pull the headliner down, then attach plus nuts to the two center holes on the roof rim.

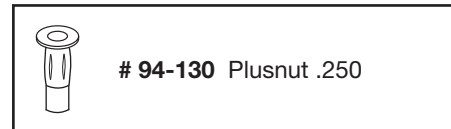


**TOOLS**

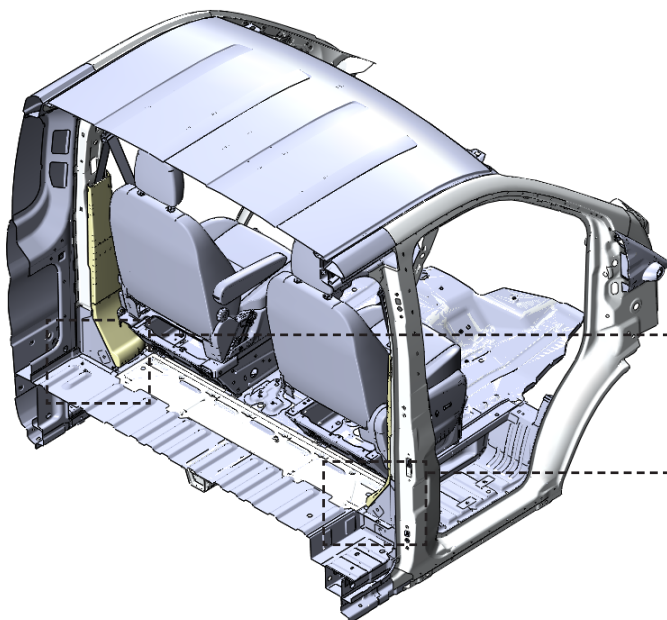
- Plusnut Tool

**HARDWARE USED**

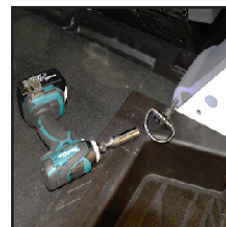
**2x**



**2.2.3** Floor preparation.



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



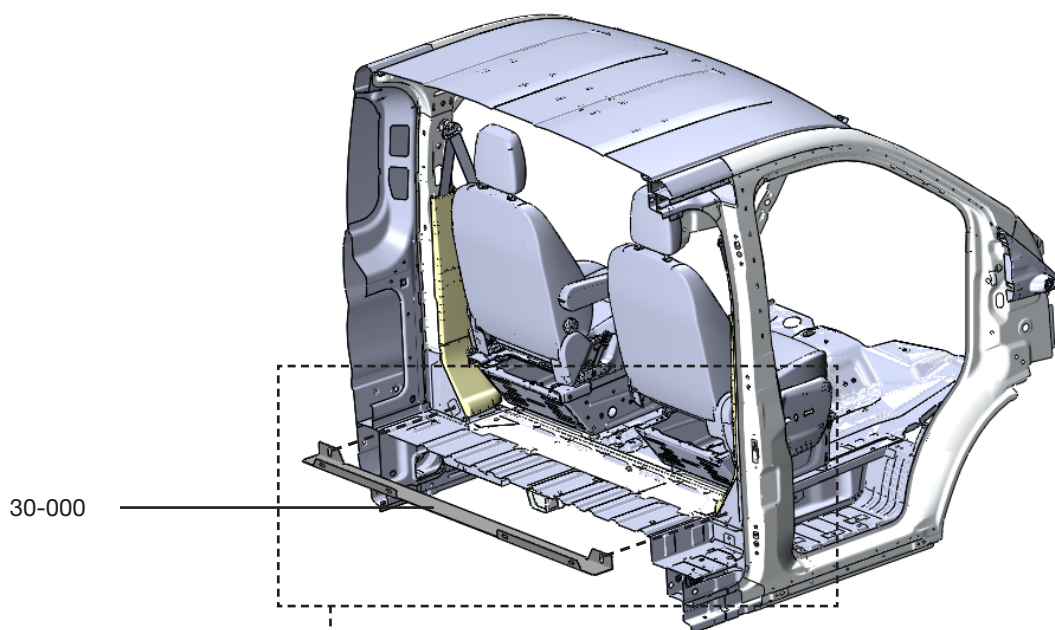
**TOOLS**

- Cordless Impact
- 13mm Socket

# PHASE 2 – INSTALLATION

## 2.3 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 washer, in between the D-ring and floor bracket.

#### TOOLS

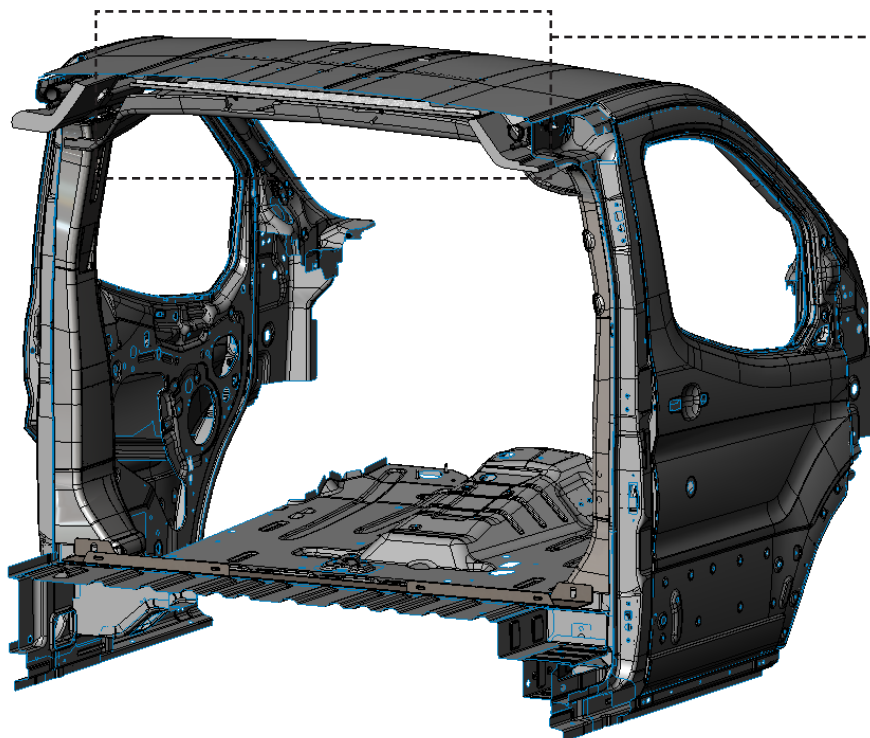
- ❑ Socket Wrench
- ❑ 13mm Socket

#### HARDWARE USED

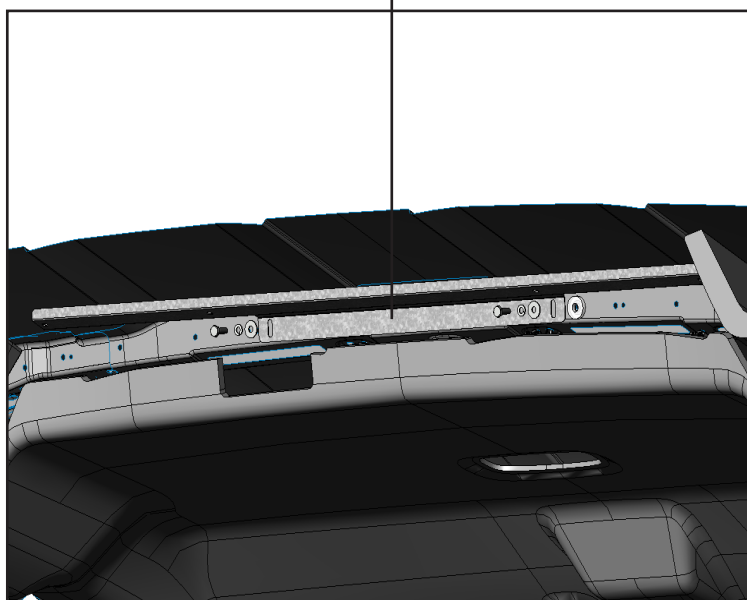
2x



### 2.3.2 Install the top alignment bar to the vehicle.



30-685



#### TOOLS

- Cordless Impact
- 7/16" Socket

#### HARDWARE USED

2x



#90-130 Hex Bolt 1/4" x 2"



#98-118 Lock Washer



#98-112 Flat Washer

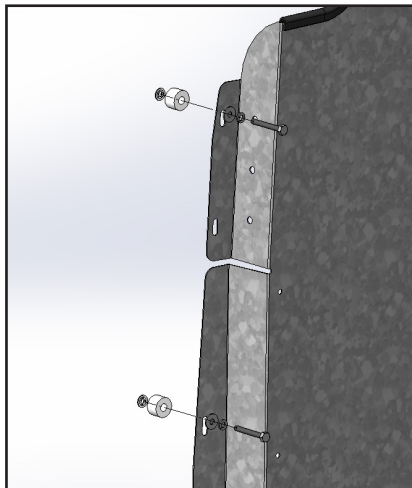
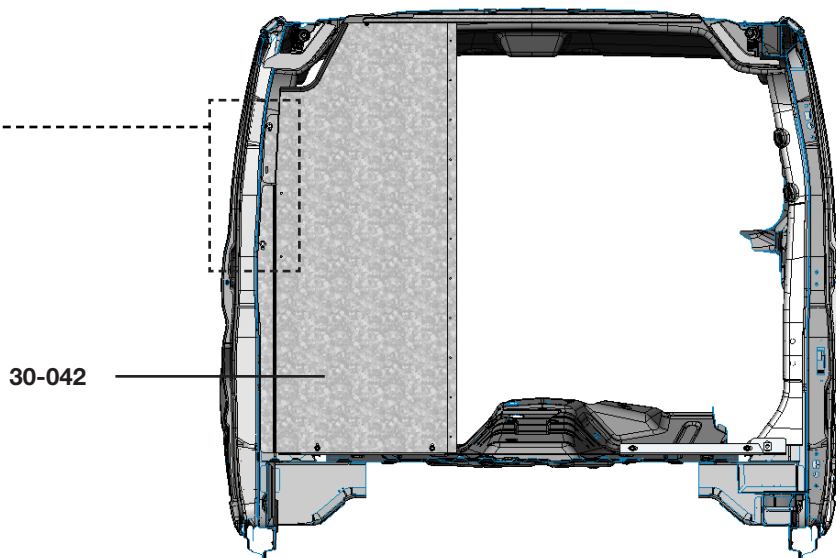


#98-161 Spacers



#94-130 Plusnut (Already Installed)

### 2.3.3 Attach the driver side panel to the van.



Put bolt, lock washer, flat washer, spacer and a retaining washer in the 1st and 3rd holes of the driver panel.

#### HARDWARE USED

2x



#90-130 Hex Bolt 1/4" x 2"



#98-118 Lock Washer



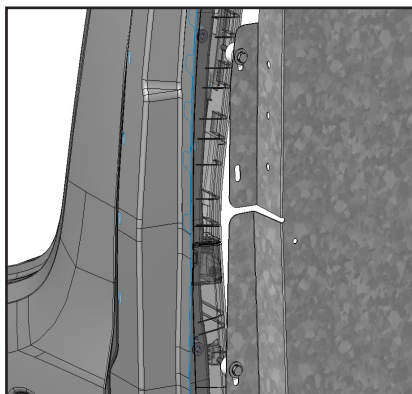
#98-112 Flat Washer



#98-161 Spacers



#98-158 Retaining Washer

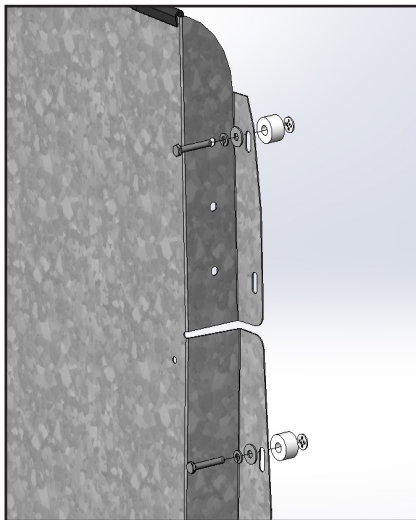
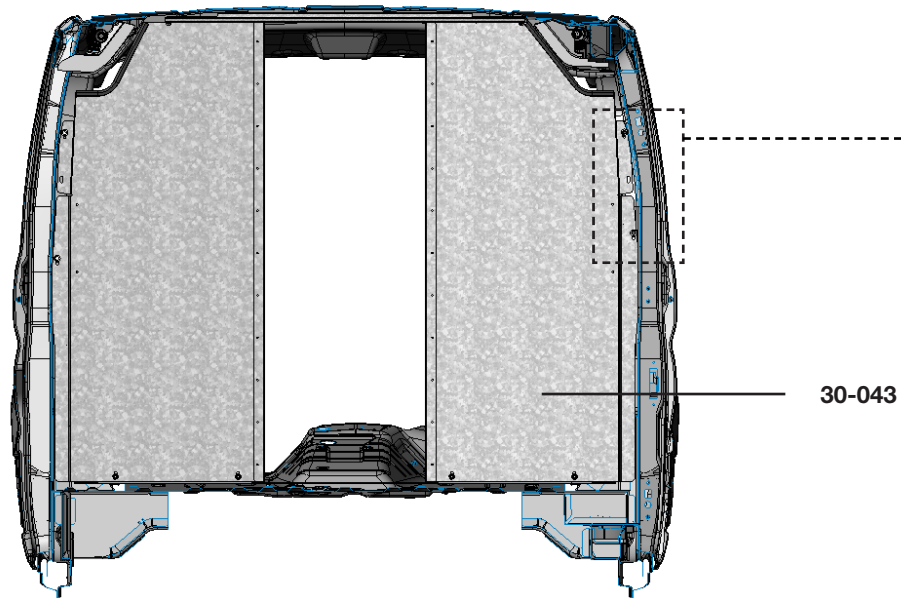


Attach the driver panel using the 2 hex bolts into 2 plusnuts.

#### TOOLS

- ☐ Cordless Impact
- ☐ 7/16" Socket






### 2.3.4 Attach the passenger side panel to the van.

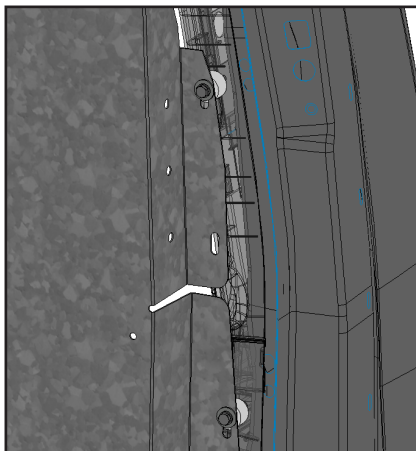


Put a bolt, lock washer, flat washer, spacers and a retaining washer in the 1st and 3rd holes of the passenger panel.

#### HARDWARE USED

2x

- |   |                          |
|---|--------------------------|
|  | #90-836 Hex Bolt M6 x 40 |
|  | #98-118 Lock Washer      |
|  | #98-112 Flat Washer      |
|  | #98-161 Spacers          |
|  | #98-158 Retaining Washer |



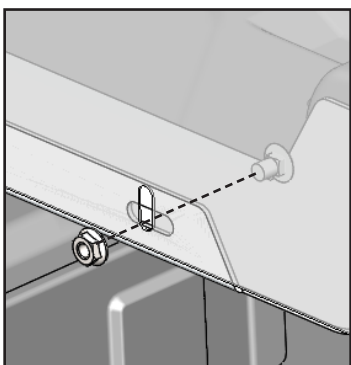
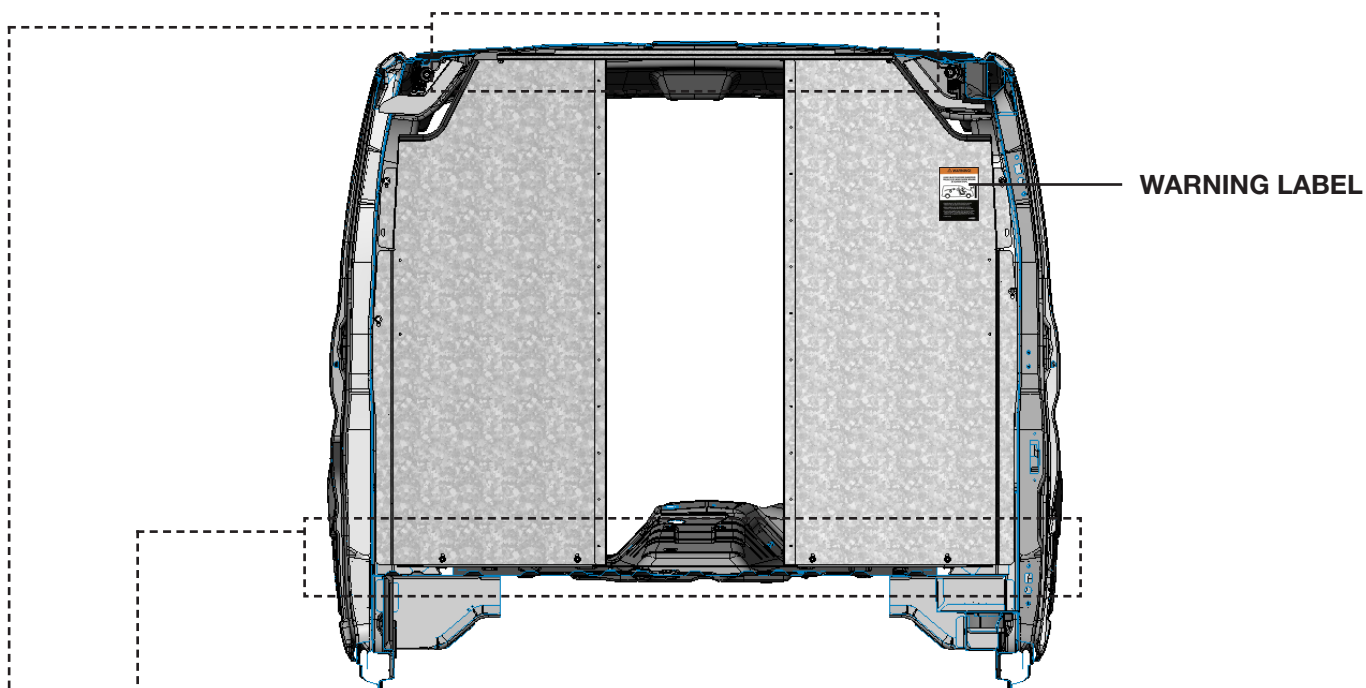
Attach the driver panel using the 2 hex bolts into 2 OEM threaded holes.

#### TOOLS

- ☐ Cordless Impact
- ☐ 7/16" Socket

### 2.3.5 Final installation.

- NOTE:**
- After installation is complete be sure that all the bolts are tightened.
  - English warning label is already attached on the passenger side panel.



Attach the driver and passenger side panels to the floor bracket.

#### HARDWARE USED

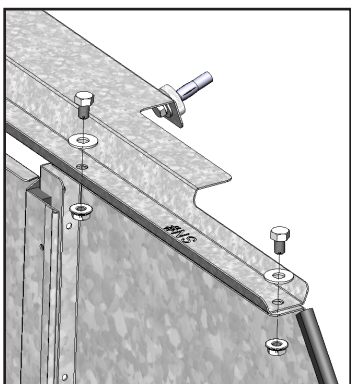
4x



#90-482 Carriage Bolt 5/16" x 1/2"



#94-116 Serrated Nut



Attach the top alignment bar to the driver and passenger side panels, then apply the warning label on the passenger side panel.

#### HARDWARE USED

4x



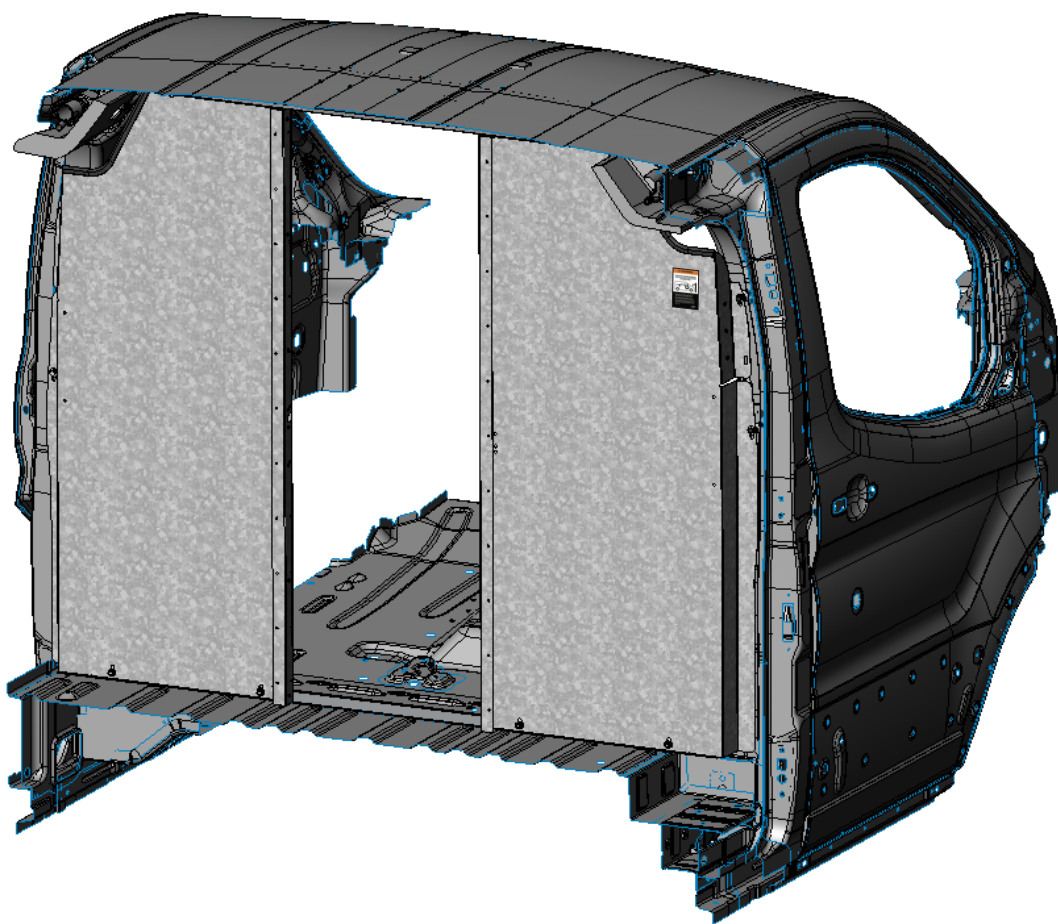
#90-200 Hex Bolt 5/16" x 1/2"



#98-116 Flat Washer



#94-116 Serrated Nut



**“Congratulations, you have successfully installed your  
C24-FTL 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)

