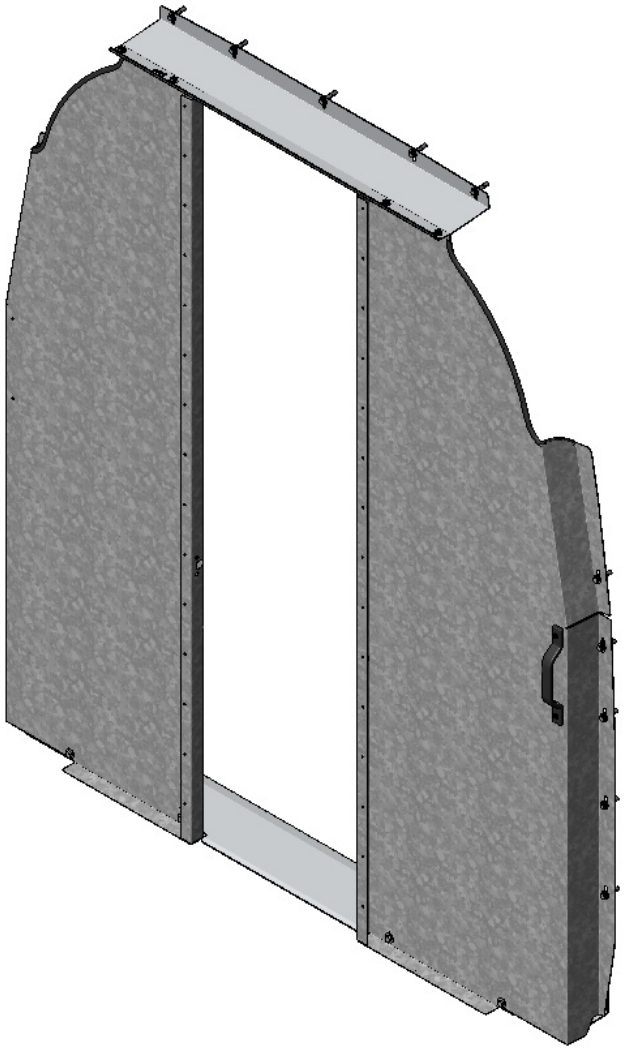
# INSTALLATION GUIDE



## C24-DH STRAIGHT PARTITION

Sprinter Partition ( Walk-Through, Steel )

RANGER DESIGN

# QUICK START GUIDE

## Phase 1 - Assembly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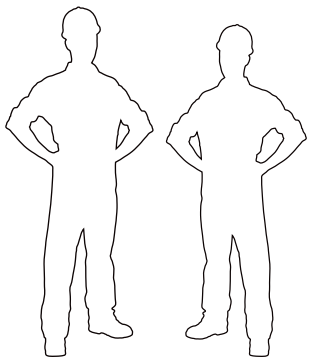
# REQUIRED ITEMS



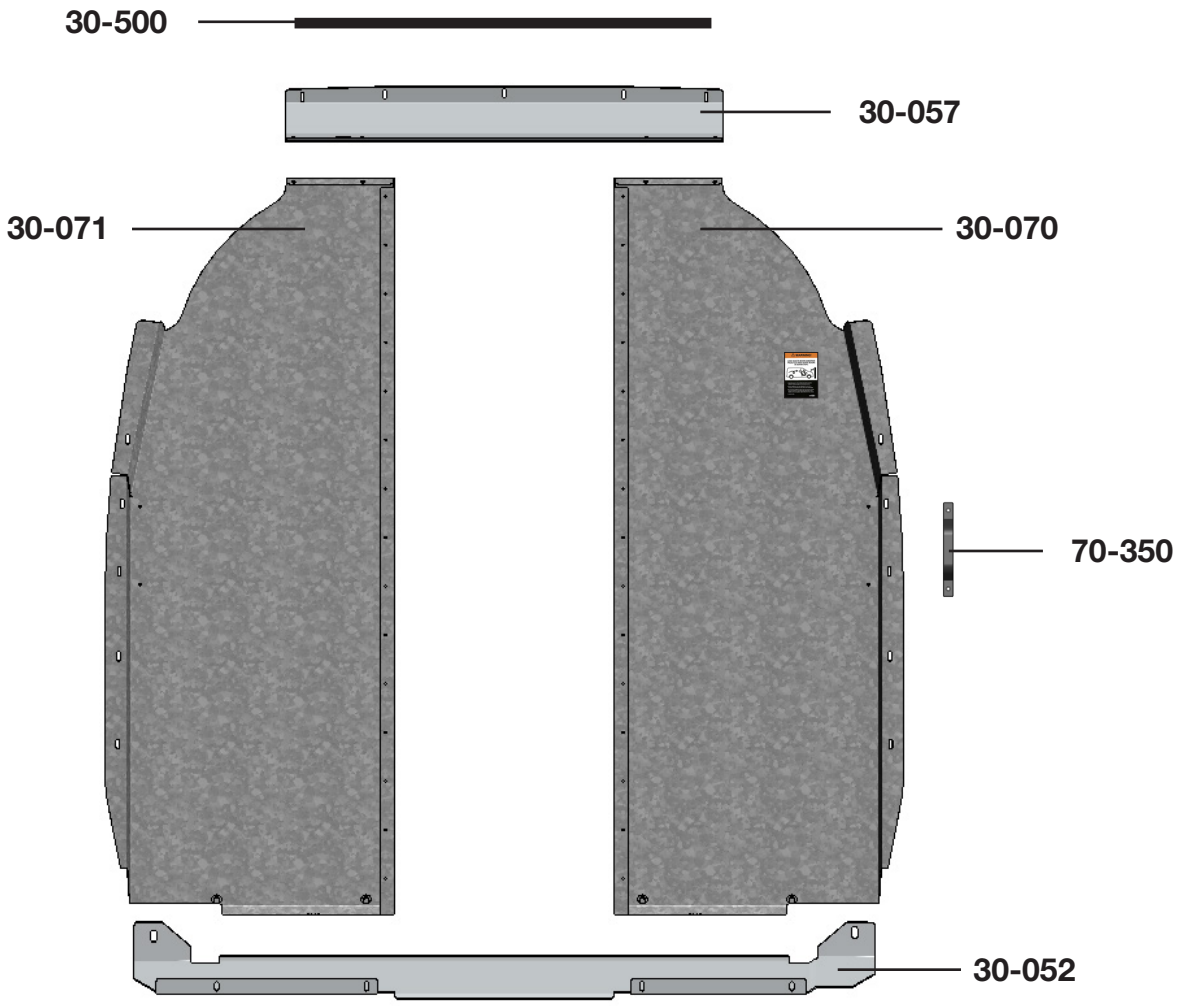
**2**
**PERSONS**

- ❑ Cordless Impact
- ❑ Cordless Drill
- ❑ Cutter
- ❑ Mallet
- ❑ Plusnut Tool
- ❑ Tape Measure
- ❑ T40 Torque Bit
- ❑ 3/8" Drill Bit
- ❑ 7/16" Socket
- ❑ 1/2" Socket
- ❑ 9/16" Wrench
- ❑ 3/16" Driver Bit

# **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. |
|---|---|---|
| 30-052 | Floor Bracket | 1 |
| 30-057 | Top Bracket | 1 |
| 30-070 | Passenger Side Panel | 1 |
| 30-071 | Driver Side Panel | 1 |
| 30-500 | Edge Trim ( QTY in Inches ) | 45 |
| 70-350 | Grab Handle | 1 |
| 79-932 | Warning Label ( Bilingual ) | 1 |
| 94-3001 | Assembly Fastener Bag | 1 |
| 94-6093 | Assembly Fastener Bag | 1 |
| 96-3000 | Installation Fastener Bag | 1 |

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

## 94-3001 Fastener Bag → Hardware Assembly

| | | | |
|---|---|---|---|
| **4×** | | **# 90-200** | Hex Bolt<br>5/16"-18 × 1/2"<br>GR-5 ZINC |
| **4×** | | **# 90-204** | Hex Bolt<br>5/16"-18 × 3/4"<br>GR-5 ZINC |
| **8×** | | **# 94-116** | Serrated Nut<br>5/16"-18<br>ZINC |
| **8×** | | **# 98-116** | Flat Washer<br>5/16", 7/8" OD<br>ZINC |

**4×**

#90-200 Hex Bolt 5/16" × 1/2"

#98-116 Flat Washer

#94-116 Serrated Nut

**4×**

#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<br>1/4" × 3/4" |
| **2×** | | **# 94-112** | Serrated Nut<br>1/4"-20<br>ZINC |

**2×**

#90-893 Cap Screw 1/4" × 3/4"

#94-112 Serrated Nut

## 96-3000 Fastener Bag → Hardware Assembly

| | | | |
|---|---|---|---|
| **15×** | | **# 90-118** | Hex Bolt<br>1/4"-20 × 1-1/4"<br>GR-5 ZINC |
| **15×** | | **# 94-130** | Plusnut .250 |
| **15×** | | **# 98-112** | Flat Washer<br>1/4", 3/4" OD<br>ZINC |
| **15×** | | **# 98-118** | Lock Washer<br>Regular 1/4"<br>ZINC |

**15×**

#90-118 Hex Bolt 1/4" × 1-1/4"

#98-118 Lock Washer

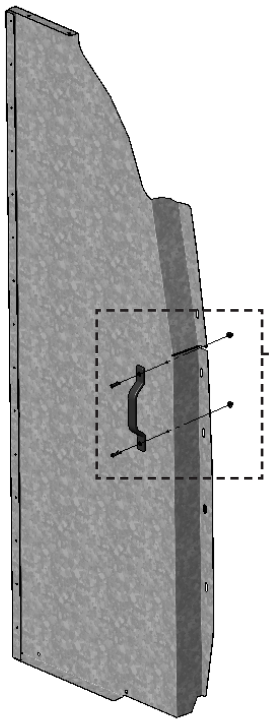
#98-112 Flat Washer

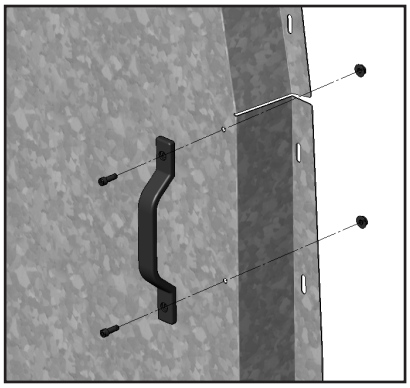
#94-130 Plusnut .250

# **PHASE 1** – ASSEMBLY

## 1.2 PARTITION ASSEMBLY

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





**TOOLS**

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

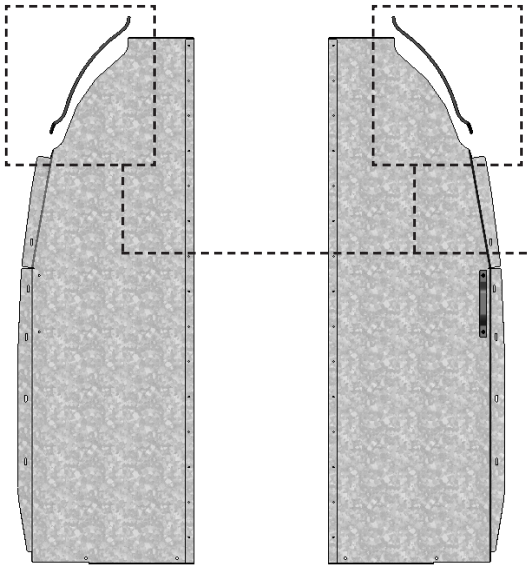
**HARDWARE USED**

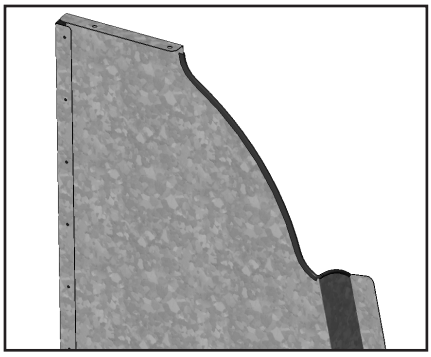
**2×**

#90-893 Cap Screw 1/4" × 3/4"

#94-112 Serrated Nut

**1.2.2** Attach the edge trims on these locations.





**TOOLS**

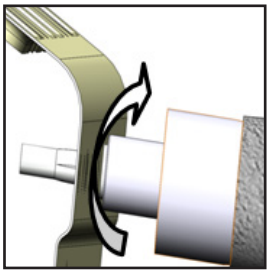
- ❑ Mallet
- ❑ Cutter

# **PHASE 2** – INSTALLATION

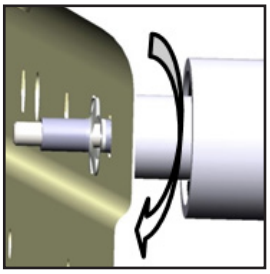
## 2.1 TIPS ON HOW TO ATTACH A PLUSNUT

**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**

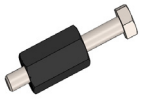


**REVERSE**

**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.

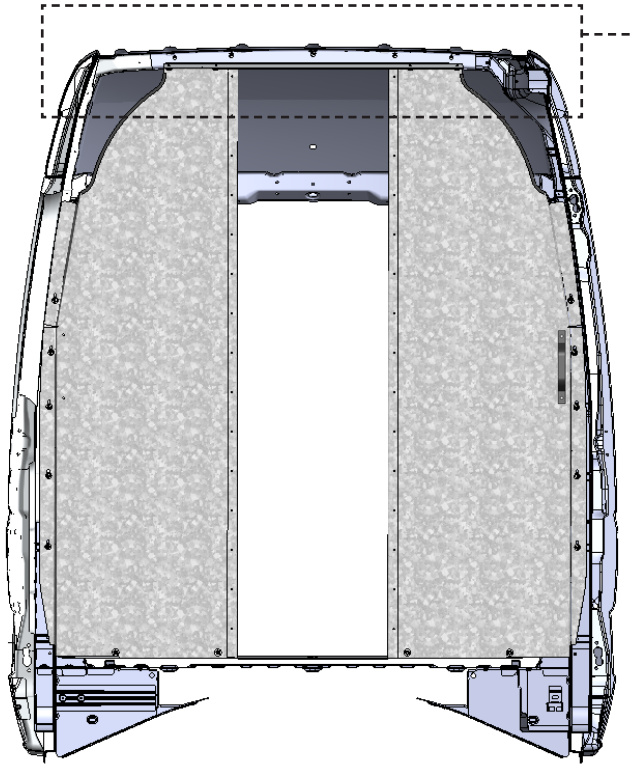
**TIPS STEP 2:**
Attach the plusnut in the hole by turning the bolt forward using an impact with a 7/16" socket until the plusnut locks, then remove the bolt by turning the impact in reverse.

**FORWARD**

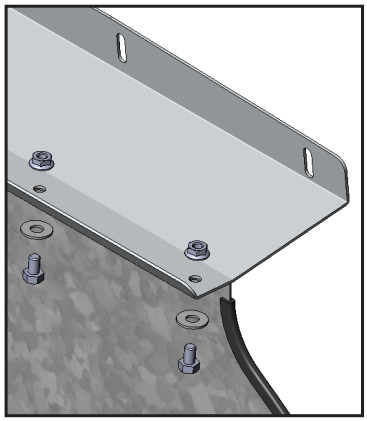
**REVERSE**

# **PHASE 2** – INSTALLATION
## 2.2 VEHICLE PREPARATION

**2.2.1** Preparation.



Lift the driver and passenger side panels inside the van, put the panels in place, then attach the top bracket on the driver and passenger side panels.



**TOOLS**

- ❑ Cordless Impact
- ❑ 1/2" Socket

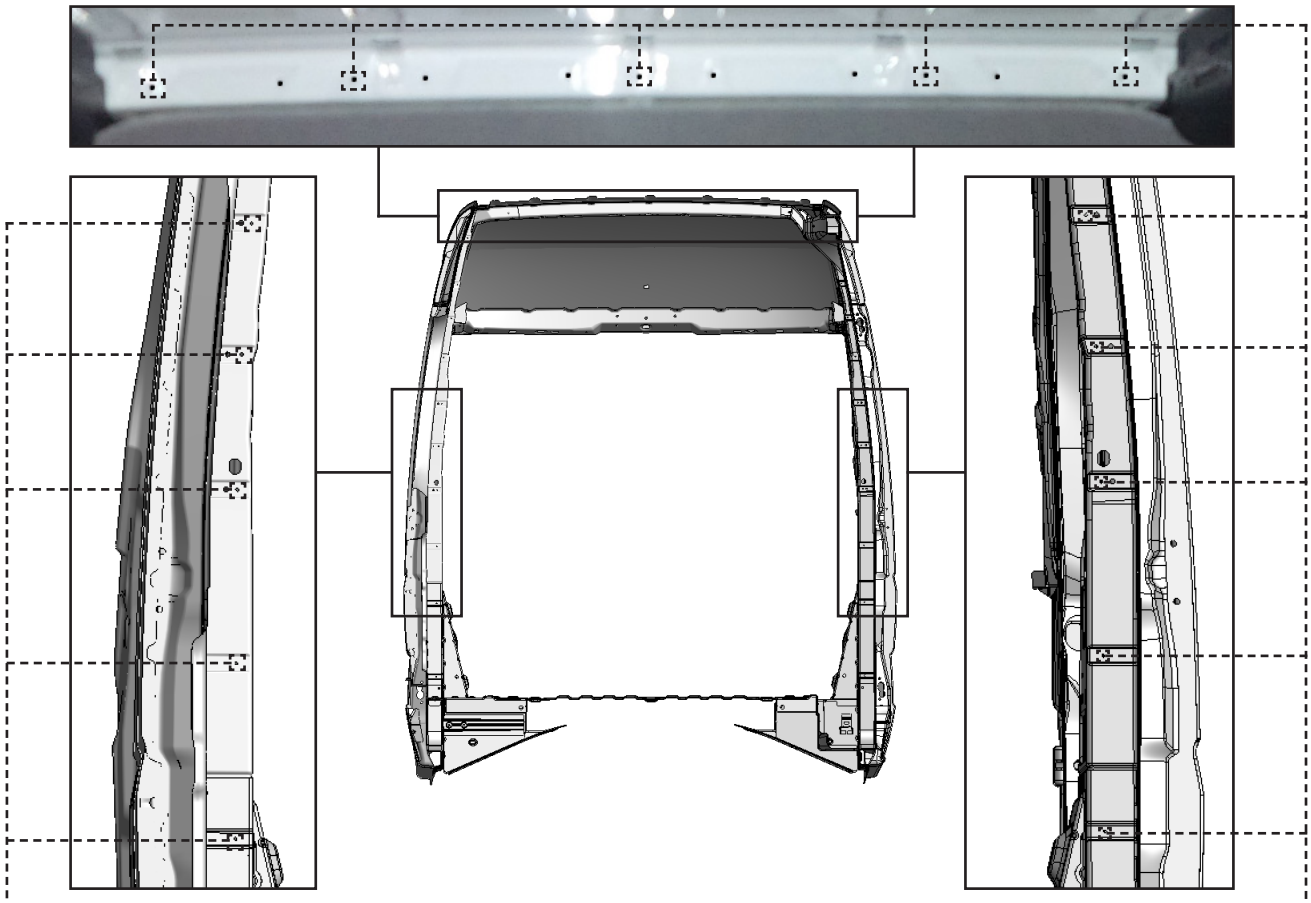
**HARDWARE USED**

**4×**

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

**2.2.2** Attaching plusnuts.

**NOTE:** Check if the holes of the partition align with the holes of the van.



Enlarge all the holes in the van that are aligned with the holes of the partiton using 3/8" drill bit or step drill.

**NOTE:** Make new holes in the van if the holes are not aligned with the holes of the partition.

**TOOLS**

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

Attach plusnuts in the 15 holes.

**TOOLS**

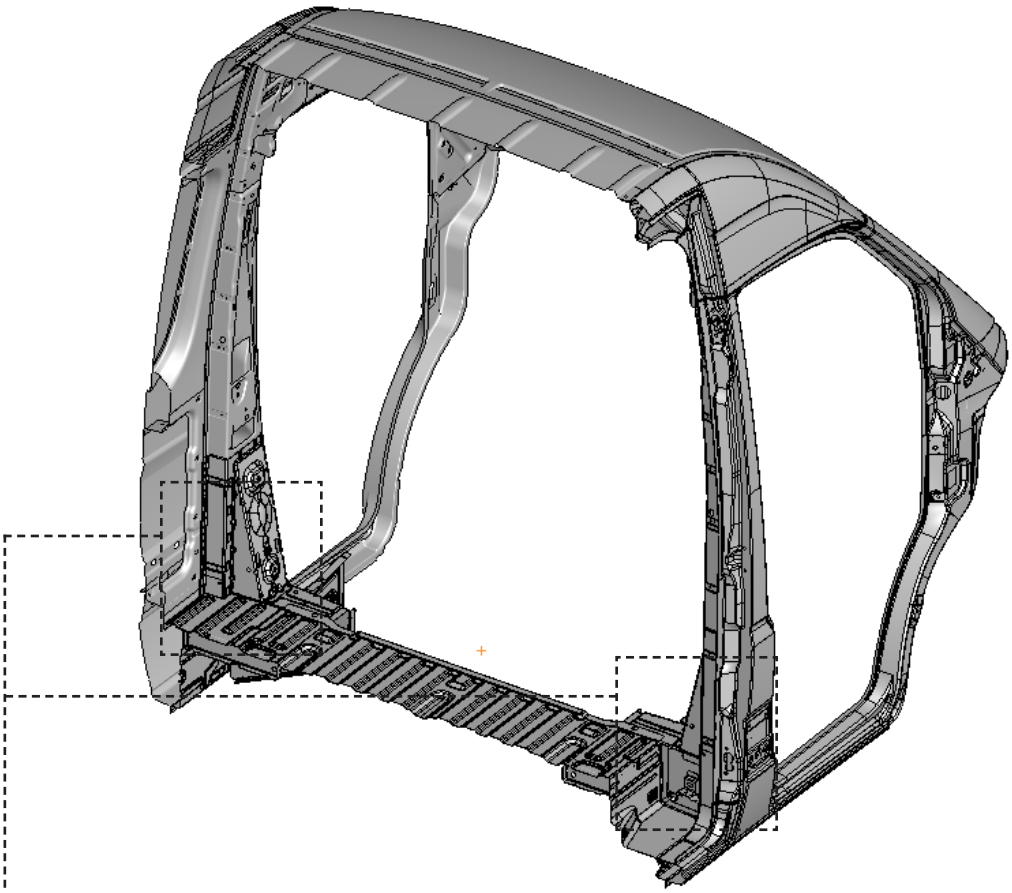
- ❑ Plusnut Tool

**HARDWARE USED**

**15×**

# 94-130
Plusnut .250

**2.2.3** Floor preparation.



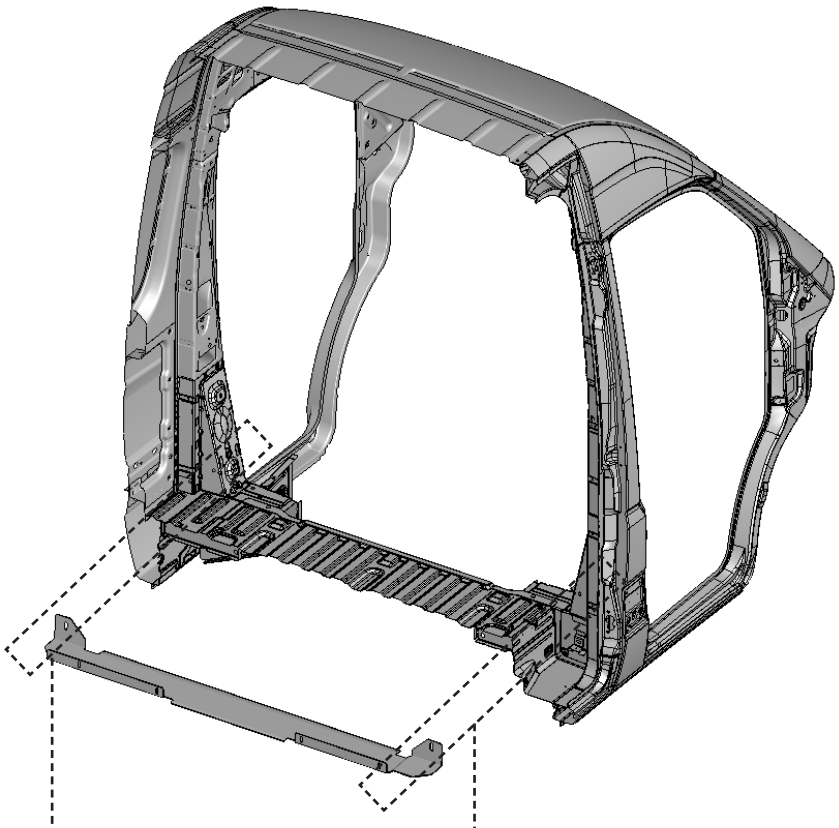
Remove the two D-rings in the pillars, for re-use.

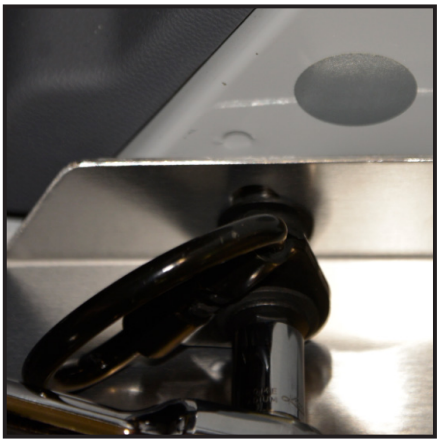
**TOOLS**

- ❑ Cordless Impact
- ❑ T40 Torque Bit

# **PHASE 2** – INSTALLATION
## 2.3 STRAIGHT PARTITION INSTALLATION

**2.3.1** Floor bracket installation.





Attach the floor bracket to the floor re-using the 2 D-ring bolts.

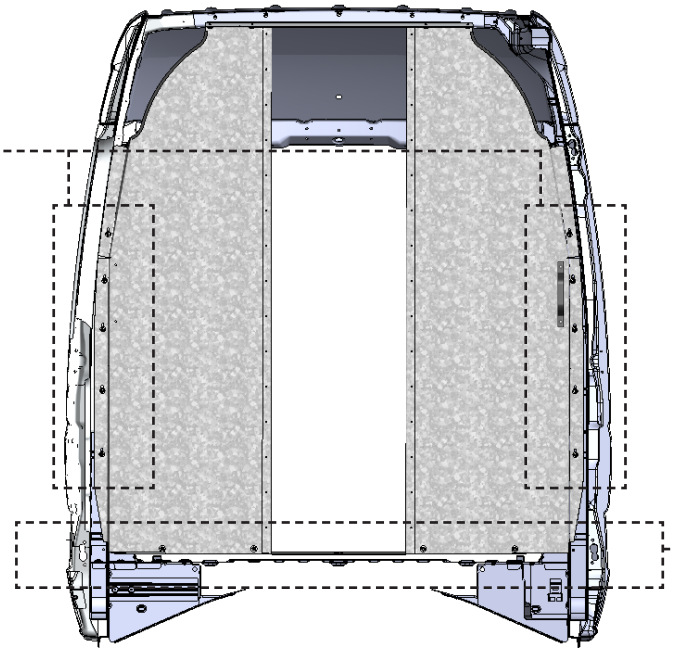
**TOOLS**
- ❑ Cordless Impact
- ❑ T40 Torque Bit

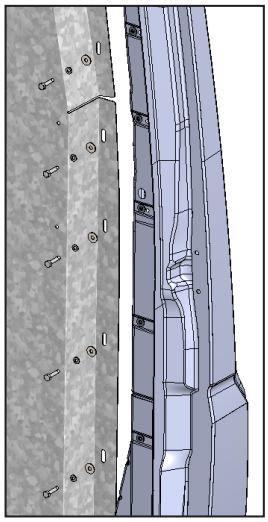
**HARDWARE USED**

**2×**

Use the D-ring bolt

**2.3.2** Put the assembled partition in place, then bolt the driver and passenger side panels to the van and floor bracket.





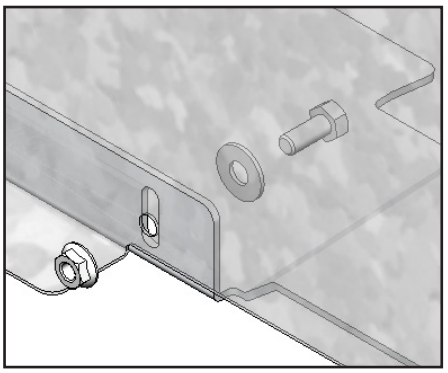
**TOOLS**

- ❑ Cordless Impact
- ❑ 7/16" Socket

**HARDWARE USED**

**10×**

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



**TOOLS**

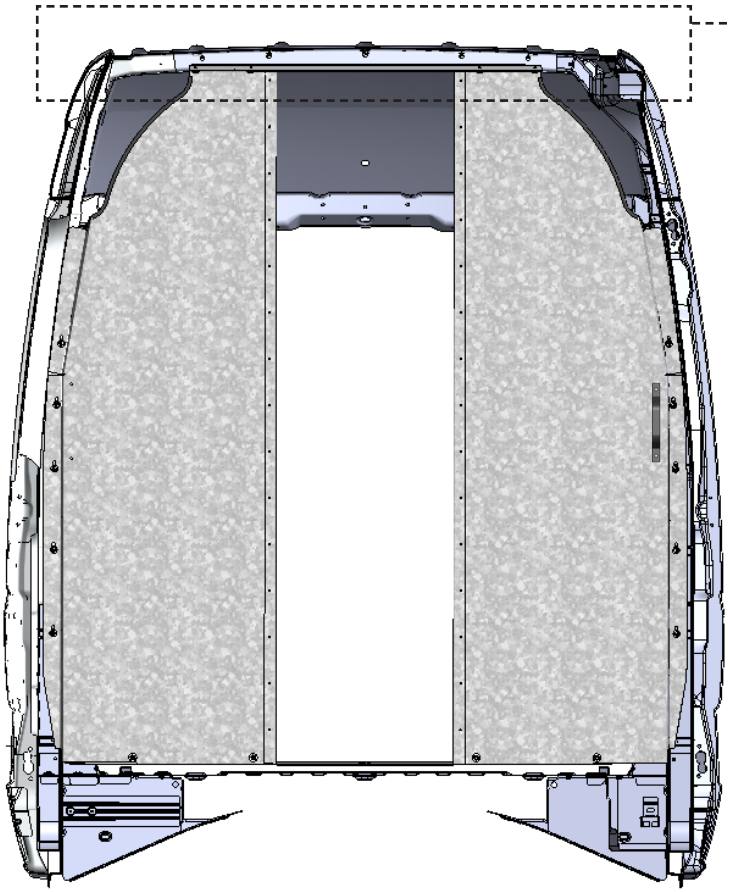
- ❑ Cordless Impact
- ❑ 1/2" Socket

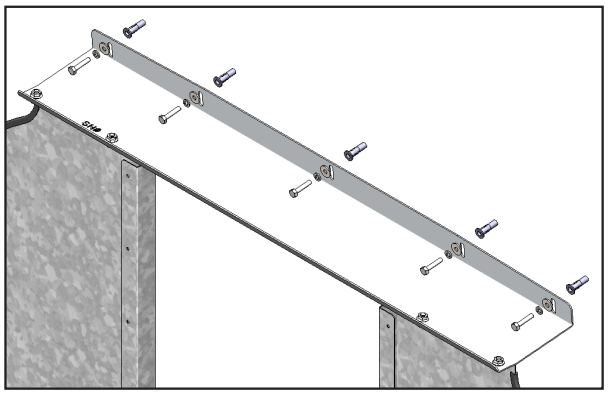
**HARDWARE USED**

**4×**

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

**2.3.3** Attach the top bracket to the van.





**TOOLS**

- ❑ Cordless Impact
- ❑ 7/16" Socket

**HARDWARE USED**

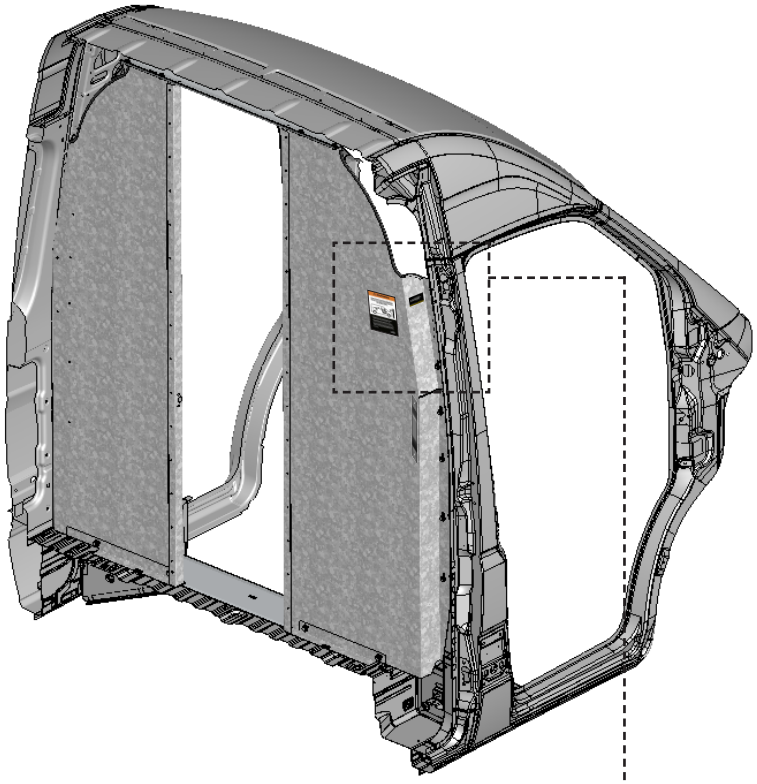
**5×**

#90-118 Hex Bolt 1/4" × 1-1/4"

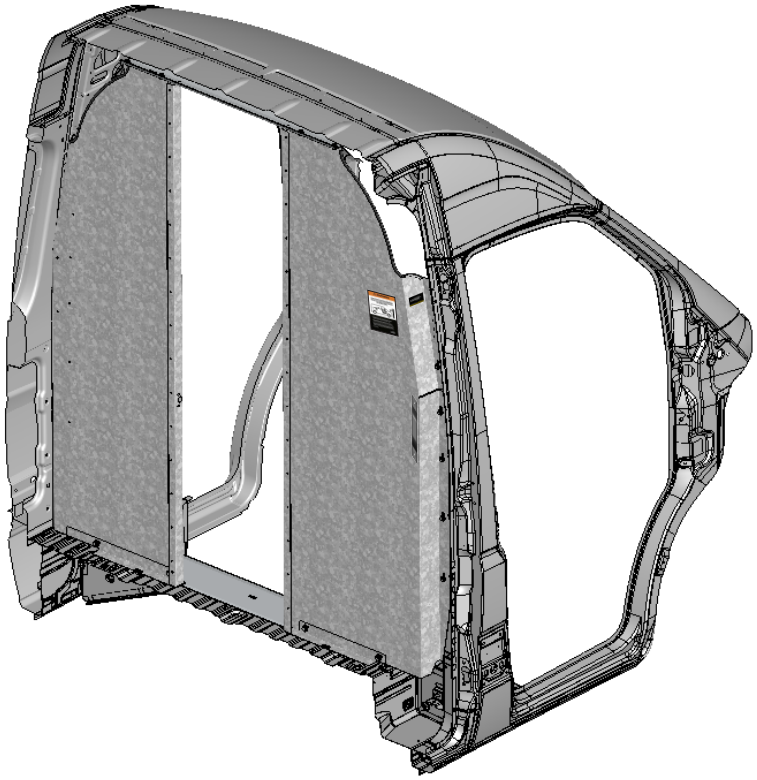
#98-118 Lock Washer

#98-112 Flat Washer

**2.3.4** Apply the warning label on the passenger side panel.



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



**“Congratulations, you have successfully installed your Straight Partition!**

**Thank you for doing business with us.”**

RANGER DESIGN