



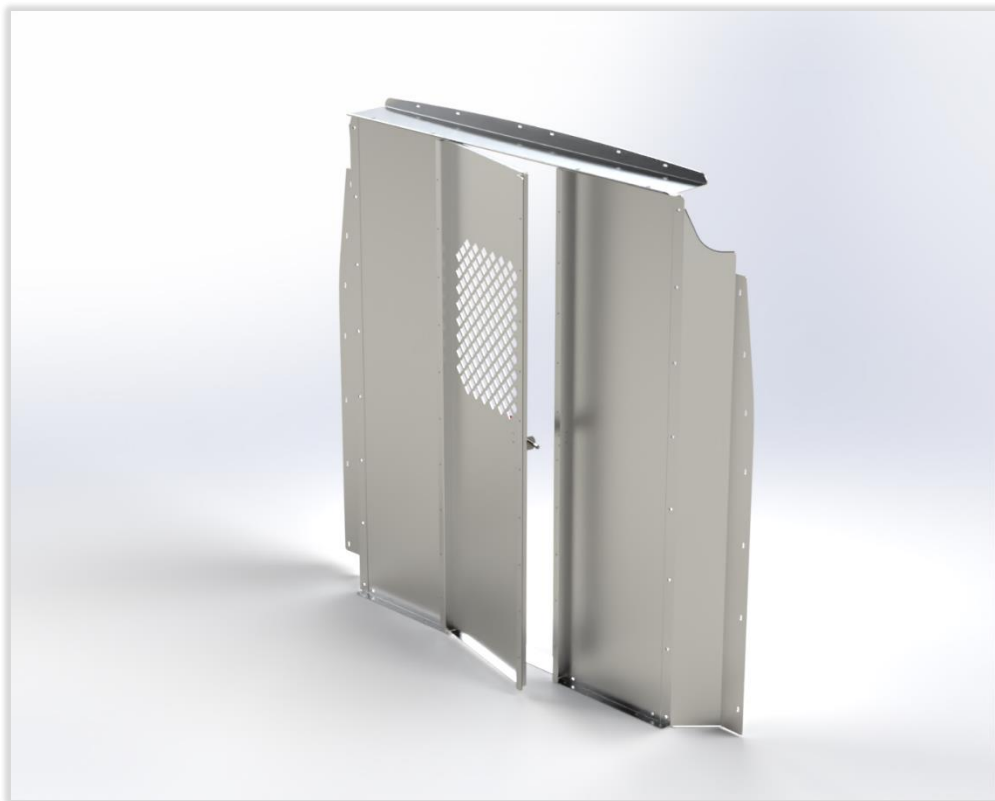
# ASSEMBLY & INSTALLATION GUIDE

P50-MSL

Aluminum Swing Door Safety Partition

Fits:

Mercedes Sprinter Low Roof Vans





## PRIOR TO INSTALLATION:

**PLEASE CAREFULLY READ AND ADHERE TO ALL WARNINGS AND INSTALLATION GUIDELINES BEFORE USING THIS PRODUCT. FAILURE TO DO SO MAY RESULT IN PROPERTY DAMAGE, SEVERE BODILY INJURY, AND/OR LOSS OF LIFE. THE MANUFACTURER DISCLAIMS ANY RESPONSIBILITY FOR PROPERTY DAMAGE, PERSONAL INJURY, OR FATALITIES THAT MAY OCCUR WHILE UTILIZING PACKD PRODUCTS.**

- Neglecting to utilize the provided fasteners, brackets, and following proper installation guidelines may heighten the risk of severe personal injury and/or fatality.
- In instances where drilling is necessary for installation, improper drilling may lead to vehicle damage, electric shock, fire, or fatality.
- If drilling is necessary, ensure that it is restricted to areas authorized by the vehicle's Original Equipment Manufacturer's Body Builders Layout Book (or equivalent document).
- Prior to drilling, verify that critical vehicle components such as the gas tank, wiring harness, or hoses will not be impacted. Consult the vehicle OEM documentation as needed and use a drill collar during drilling to minimize the risk of vehicle damage.
- Before installation, inspect the vehicle to guarantee that the installation will not obstruct critical components such as electrical wiring, fuel tanks, fuel cells, locks, latches, etc.
- The installer or upfitter is responsible for ensuring that anchorages are securely installed on appropriate wall and floor structures.
- Avoid installing systems into weak or unsound materials such as plastics, woods, thin-walled metals, etc., without proper reinforcement.
- Do not install this product in a manner that could interfere with airbag deployment.
- Incorrect installation may lead to water leaks, electric shock, or fire.
- Secure all items in the cargo area properly, and close partition doors while the vehicle is in motion.
- Any modification or unintended use of this product could create a hazardous condition and void the warranty.
- Opt for professional installation conducted by certified technicians well-versed in vehicle upfitting procedures. Entrusting the installation to amateurs could jeopardize both the effectiveness and safety of the product.
- Adhere to local, state, and federal regulations governing vehicle modifications. Failure to comply with these regulations may result in serious legal consequences.

# Contents

ASSEMBLY INSTRUCTIONS .....	4
<b>1</b> PREPARATION .....	4
<b>2</b> ASSEMBLY FASTENER KIT .....	5
<b>3</b> INSTALLATION FASTENER KIT .....	5
<b>4</b> PARTITION ASSEMBLY .....	6
INSTALLATION INSTRUCTIONS .....	6
<b>1</b> VEHICLE PREPERATION (VEHICLES WITH B-PILLAR TRIM) .....	7
<b>2</b> INSTALLING PLUS NUTS .....	8
<b>3</b> FASTENING PARTITION TO THE VEHICLE .....	10

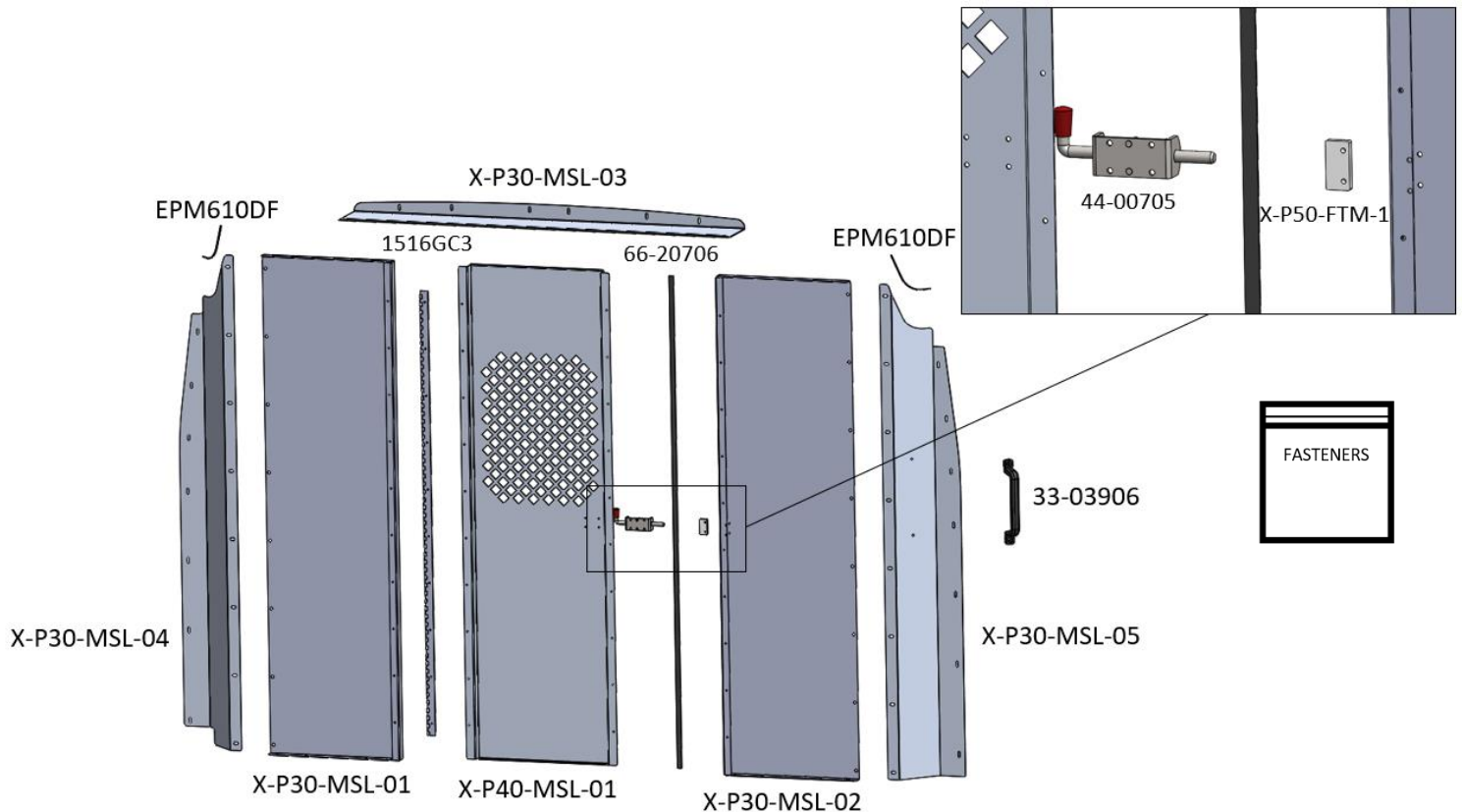
## Required Items

- ☐ 2 People (To Lift Partition)
- ☐ 7/16" Nut Driver Bit
- ☐ 1/2" Nut Driver Bit
- ☐ #2 Robertson Driver Bit
- ☐ 9/16" Wrench
- ☐ 3/8" Wrench
- ☐ Plus Nut Tool or Plus Nut Gun (1/4")
- ☐ Cordless Drill
- ☐ Cordless Impact Driver
- ☐ Tin Snips
- ☐ Rivet Gun or Rivet Tool for 3/16" Rivets
- ☐ 3/8" Drill Bit with collar to stop at 1/2" depth
- ☐ Marker
- ☐ 1-1/8" Hole Saw

# ASSEMBLY INSTRUCTIONS

## 1 PREPARATION











Unpack components and compare to the Bill of Materials. Ensure that all of the parts are present.














## BILL OF MATERIALS

Part Number	Description	Quantity
X-P30-MSL-01	Partition Main Panel, LH	1
X-P30-MSL-02	Partition Main Panel, RH	1
X-P30-MSL-03	Sprinter Roof Extension Panel, LR	1
X-P30-MSL-04	Partition Side Panel, Sprinter, LH	1
X-P30-MSL-05	Partition Side Panel, Sprinter, RH	1
X-P30-MSL-06	Partition Bottom Mounting Bracket, Sprinter	1
X-P40-MSL-01	Partition Center Panel, Sprinter	1
X-P50-FTM-1	Nylon Partition Latch Pad	1
33-03906	Rubber Grab Handle	1
EPM610DF	Rubber Edge Trim	4 FT
66-20706	5/8" Wide x 3/8" High D Shape EPDM Rubber Seal	66.75"
44-0705	Spring Bolt Aluminum	1
1516GC3	Aluminum Hinge 2", 60"L, With Pre-Drilled Holes	1
HK66	Hardware Kit	1

## 2 ASSEMBLY FASTENER KIT

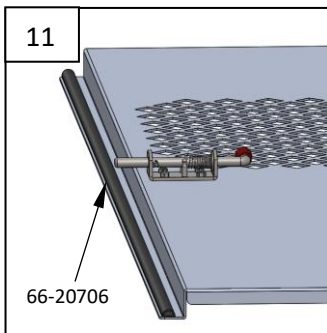
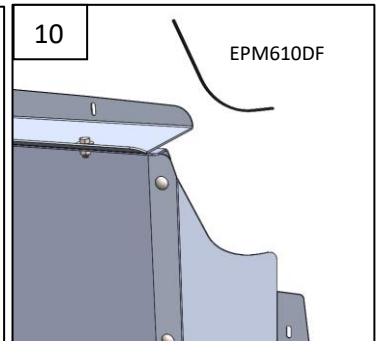
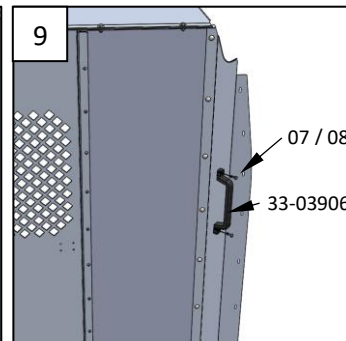
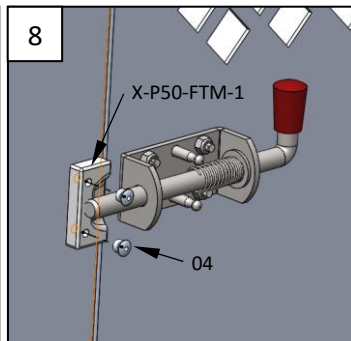
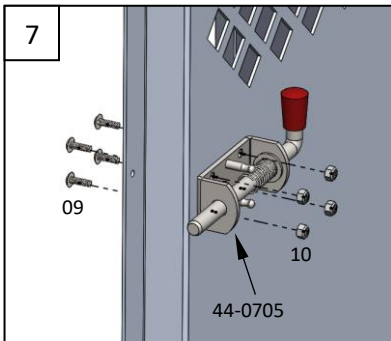
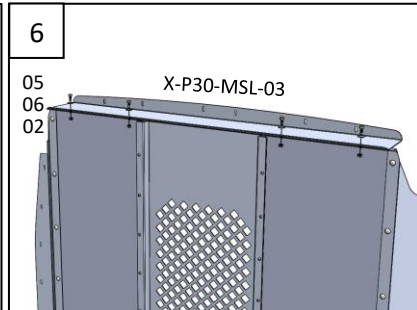
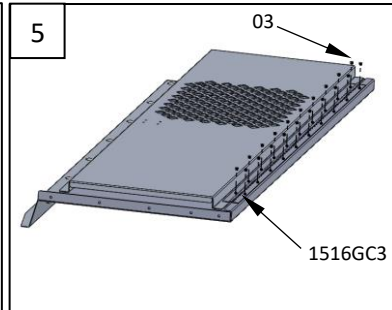
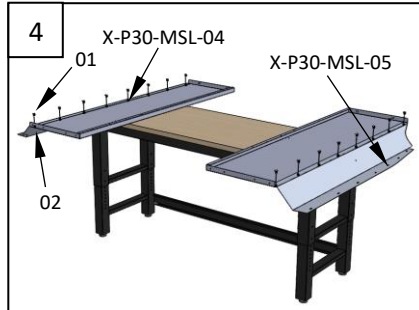
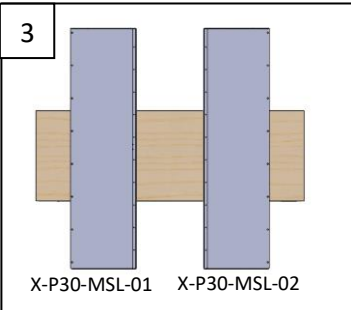
Item #	Quantity	Description	Image	Purpose
01	16	Carriage Bolt 5/16-18 x 5/8		Assembling Partition
02	20	Serrated Nut 5/16-18		
03	20	Aluminum Blind Rivet 3/16" x 1/2" LG		
04	2	Aluminum Blind Rivet 3/16" x 3/4" LG		
05	4	Hex Bolt 5/16-18 x 3/4		
06	4	Flat Washer 5/16		
07	2	Hex Bolt 1/4-20 x 3/4		
08	2	Serrated Nut 1/4-20		
09	4	Machine Screw 10-32 x 5/8		
10	4	Lock Nut 10-32		

## 3 INSTALLATION FASTENER KIT

Item #	Quantity	Description	Image	Purpose
11	11	Hex Washer Head Screw #14 x 3/4"		Fastening the Partition to the Vehicle
12	8	Hex Bolt 1/4-20 x 1-1/4"		
13	8	1/4" Flat Washer		
14	8	1/4" Lock Washer		
15	8	1/4" Retainer Washer		
16	8	Plus Nut 1/4"		
17	8	1/2" x 3/4" Nylon Spacer		
02	04	Serrated Nut 5/16-18		
05	04	Hex Bolt 5/16-18 x 3/4"		
06	04	Flat Washer 5/16"		
18	1	1/4" Plus Nut Tool		

## 4 PARTITION ASSEMBLY

1. Ensure your work surface is clean and smooth to minimize surface scratches. Working on cardboard or foam sheet is recommended.
2. Before assembling, unmask the protective film from all surfaces of each part.
3. Lay Main Panels onto a workbench.
4. Fasten the Side Panels to the Main Panels using the provided carriage bolts.
5. Rivet the Hinge to the Center Panel and the DS Main Panel.
6. Fasten the Roof Extension Panel to the Main Panels.
7. Fasten the Spring Latch to the Center Panel.
8. Rivet the Nylon Latch Plate to the PS Main Panel using the provided 3/4" rivets.
9. Fasten the rubber handle to the Side Panels using the provided bolts.
10. Place the rubber trim in the top corner of the partition as shown and trim to length using Tin Snips. Repeat on opposite side.
11. Install rubber seal along the face of the Center Panel as shown.



### Tools Used:

Cordless Impact Driver  
 1/2" Nut Driver Bit  
 3/8" Wrench  
 #2 Robertson Driver Bit  
 Rivet Gun or Rivet Tool for 3/16" Rivet  
 Tin Snips

### Hardware Used:

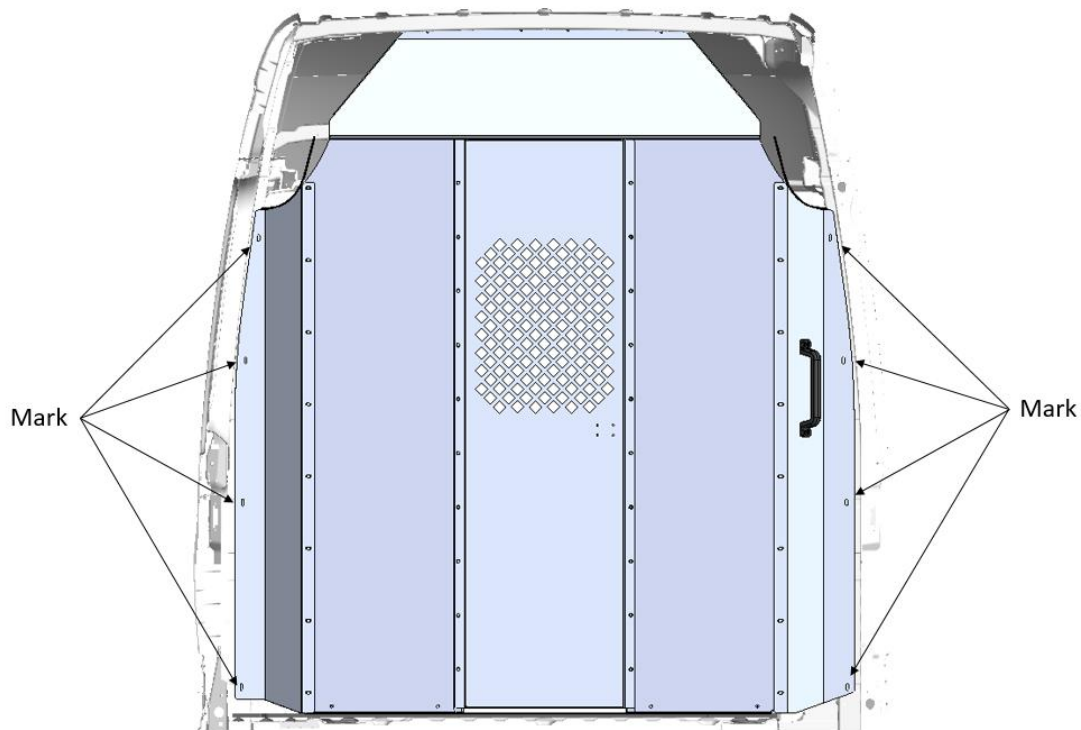
Item #	QTY	Description
01	16	Carriage Bolt 5/16-18 x 5/8"
02	20	Serrated Nut 5/16-18
03	20	Aluminum Blind Rivet 3/16 x 1/2"LG
04	2	Aluminum Blind Rivet 3/16 x 3/4"LG
05	4	Hex Bolt 5/16-18 x 3/4"
06	4	Flat Washer 5/16"
07	2	Hex Bolt 1/4-20 x 3/4"
08	2	Serrated Nut 1/4-20
09	4	Machine Screw 10-32 x 5/8
10	4	Lock Nut 10-32

# INSTALLATION INSTRUCTIONS

## 1 VEHICLE PREPERATION (VEHICLES WITH B-PILLAR TRIM)

Follow these steps if the vehicle has trim around the B-Pillar

1. Lift the assembled partition into the vehicle and place it in the designated location.
2. Make 8 marks using the slots on the side brackets.
3. Remove the partition from the vehicle.
4. Use a 1-1/8" hole saw to drill out the plastic pillar cover in the locations marked in step 2.

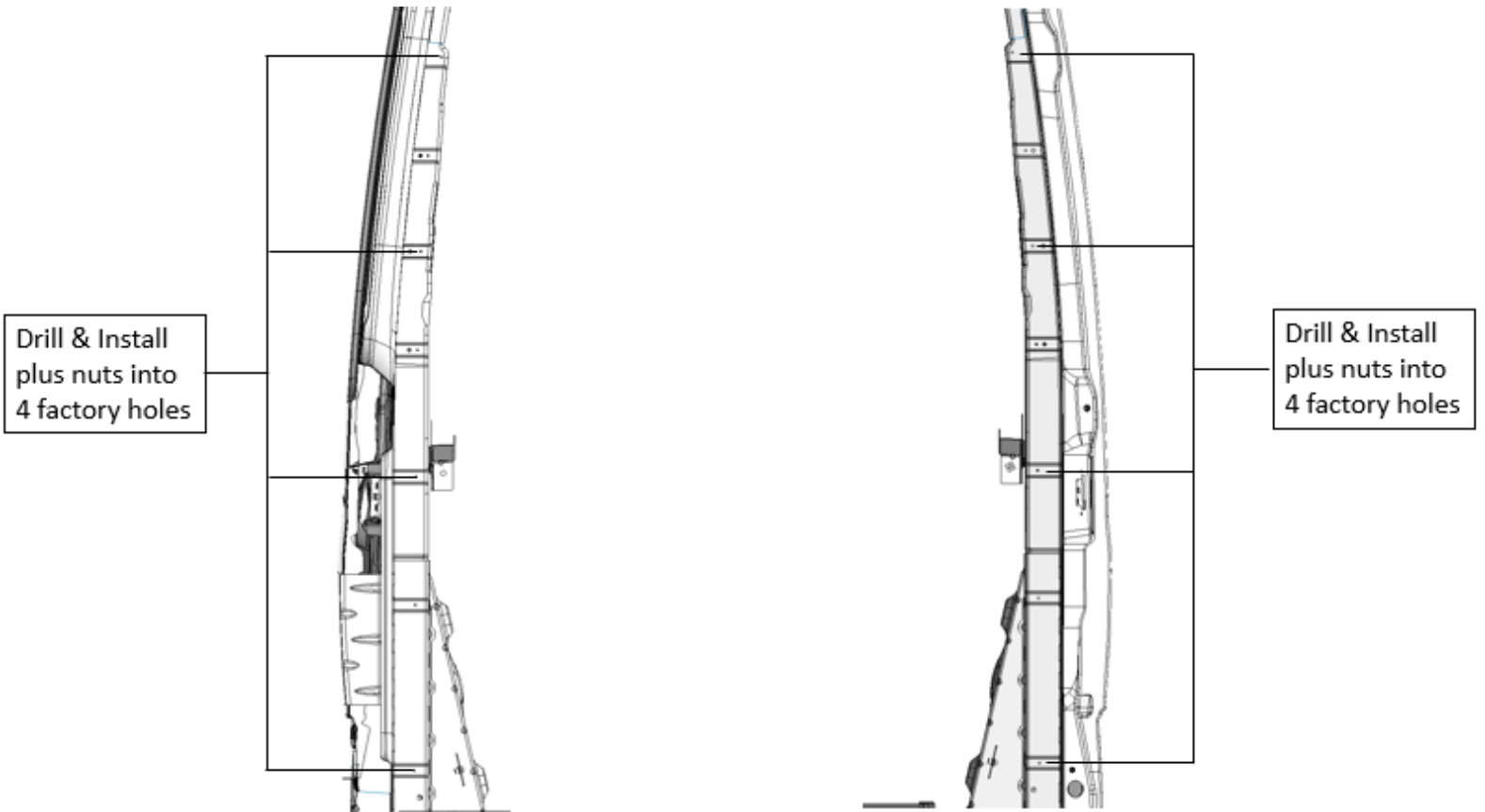


**Tools Used:**  
Cordless Drill  
1-1/8" Hole Saw  
Marker



## 2 INSTALLING PLUS NUTS

1. Locate factory holes on the drivers side as shown below.
2. Enlarge the factory holes using a 3/8" drill bit with a collar to stop the drill at a 1/2" depth.
3. Install plus nuts into the holes drilled in the previous step.



### Tools Used:

Cordless Impact Driver  
Cordless Drill  
7/16" Nut Driver Bit  
9/16" Wrench  
3/8" Drill Bit with Collar

### Hardware Used:

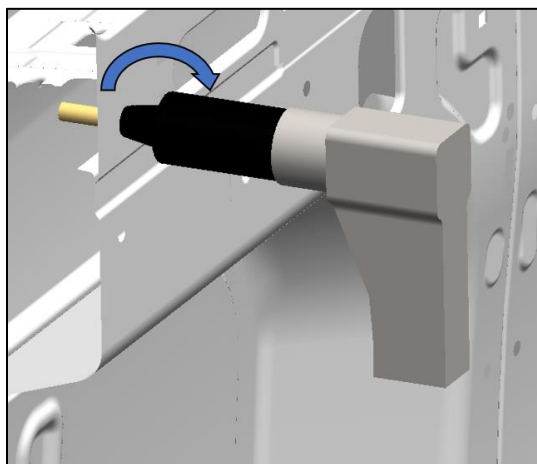
8 x 1/4" Plus Nuts



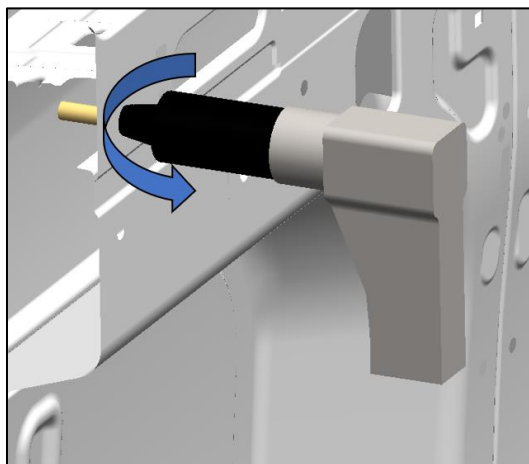
**(A) Using Plus Nut Gun:** (If available- otherwise see B below)

- Place 2 drops of air tool oil into the air fitting regularly.
- Ensure that there is anti-seize on the Plus Nut Gun threads at all times.
- Thread a Plus Nut onto the threads of the gun, then place bolt and Plus Nut through pre-drilled hole.
- Pull trigger of Plus Nut Gun to compress Plus Nut into the material until the noise changes on the gun.
- Reverse direction on gun to unscrew Bolt from the Plus Nut.

**FORWARD**



**REVERSE**



**(B) Using Plus Nut Tool:**

**STEP 1**

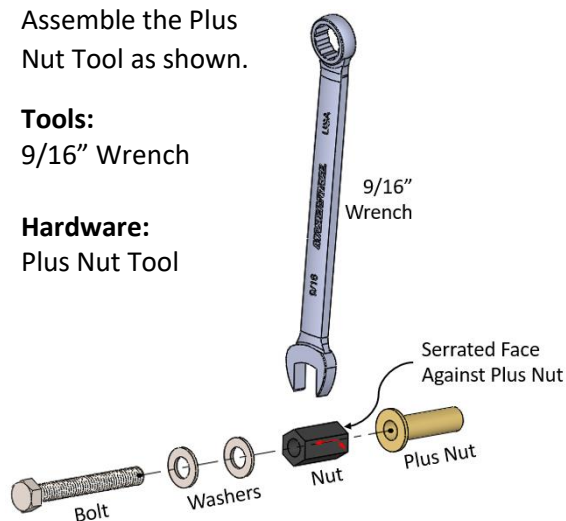
Assemble the Plus Nut Tool as shown.

**Tools:**

9/16" Wrench

**Hardware:**

Plus Nut Tool



**STEP 2**

Fasten Plus Nut to vehicle:

- Insert Plus Nut into hole.
- Hold Nut with wrench.
- Tighten bolt until Plus Nut clamps the vehicle body metal tightly.

**Tools:**

Cordless Impact Driver  
7/16" Nut Driver Bit  
9/16" Wrench

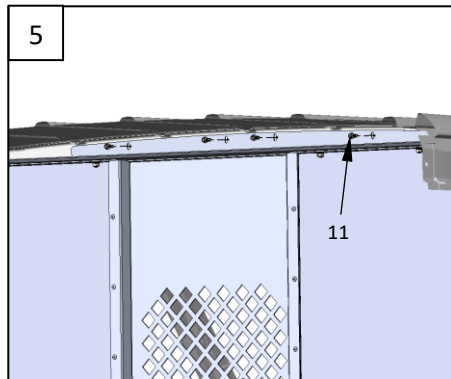
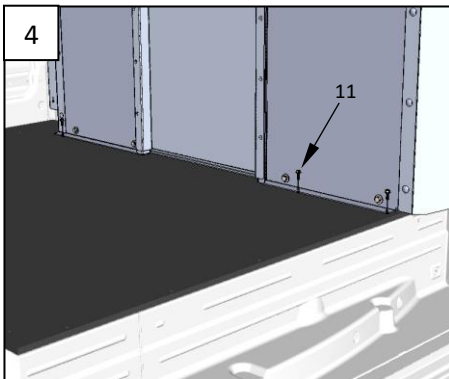
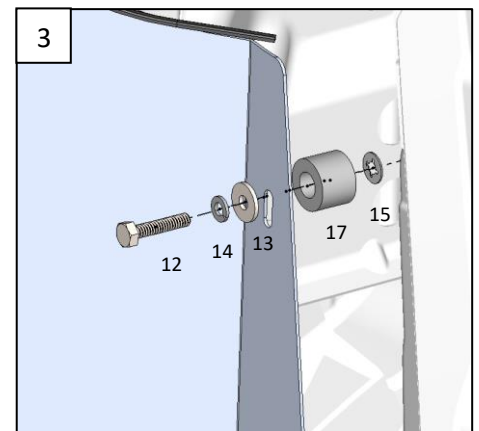
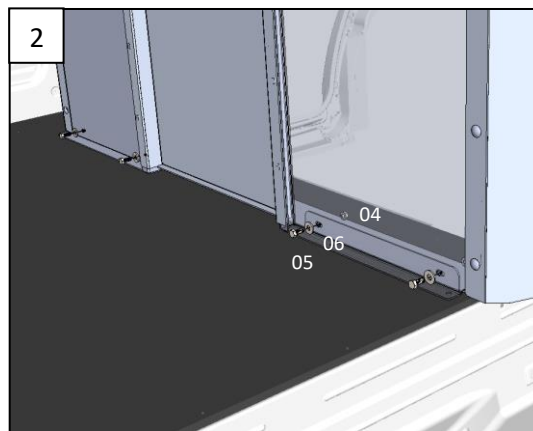
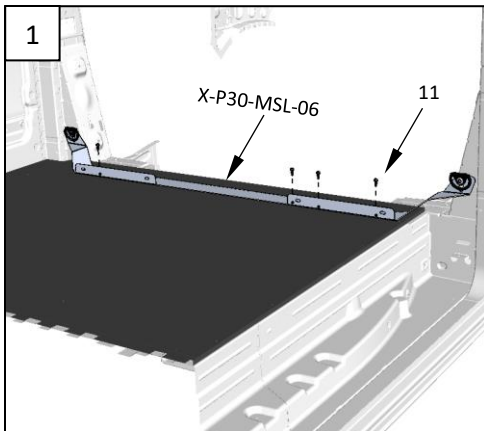


**Hardware:**

8 x 1/4" Plus Nuts  
1/4" Plus Nut Tool

### 3 FASTENING PARTITION TO THE VEHICLE

1. Remove the factory tie downs. Fasten the Bottom Mounting Bracket in place using the factory tie downs and the provided washer head screws.
2. Lift the assembled partition into place before fastening it to the bottom mounting bracket.
3. Place Nylon Spacers between the partition and the frame of the vehicle using the Retainer Washer to hold it in place. Fasten the Side Brackets to the rear of the B-Pillar as shown.
4. Fasten the partition to the subfloor using 3/4" screws to the subfloor of the van.
5. Fasten the top extension brackets to the roof crossmember of the van.
6. Ensure that all of the fasteners are tight.

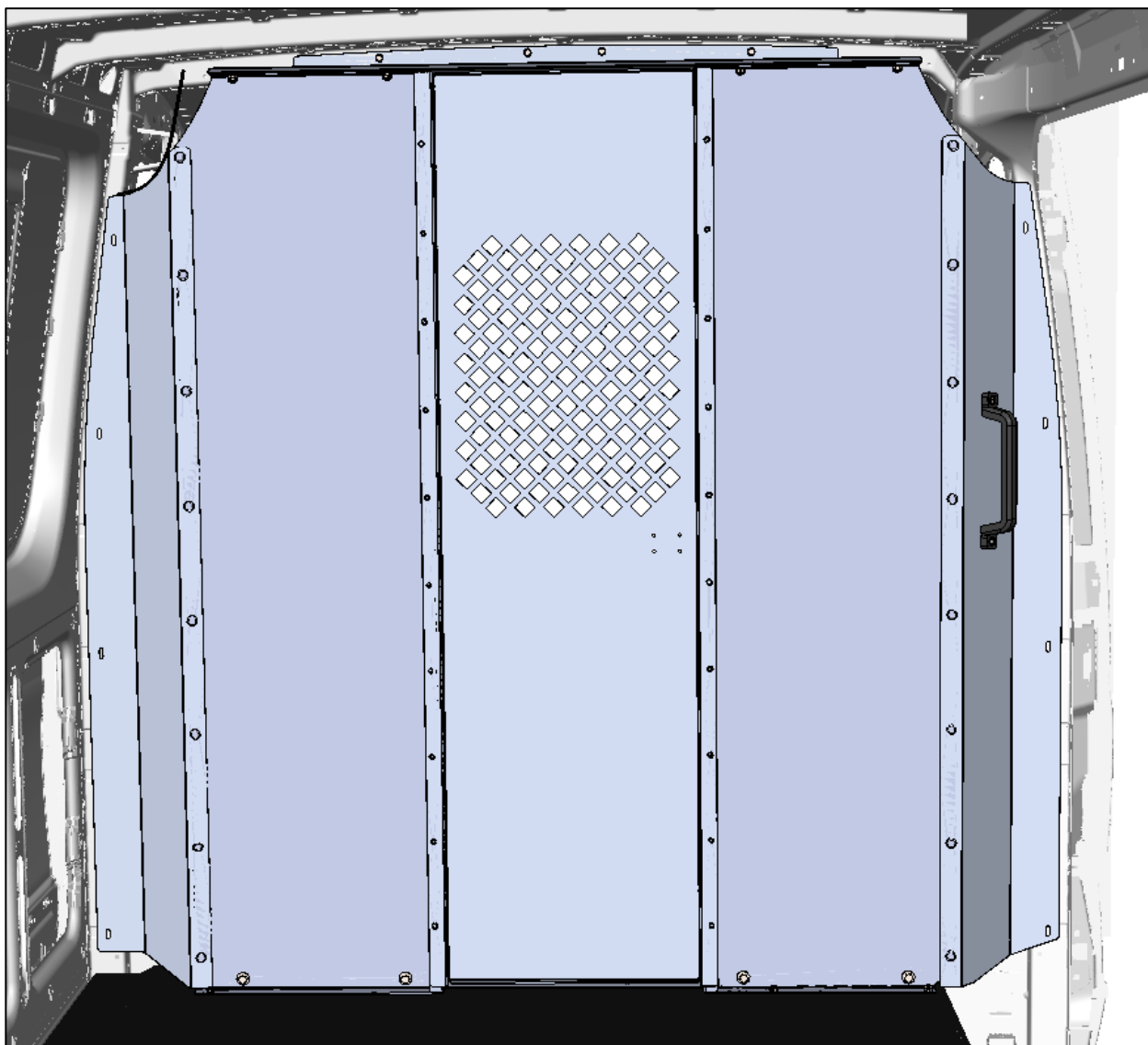


#### Tools Used:

Cordless Impact Driver  
7/16" Nut Driver Bit  
1/2" Nut Driver Bit

#### Hardware Used:

Item #	QTY	Description
11	11	Hex Washer Head Screw #14 x 3/4
12	8	Hex Bolt 1/4-20 x 1-1/4"
13	8	1/4" Flat Washer
14	8	1/4" Lock Washer
15	8	1/4" Retainer Washer
16	8	1/4" Plus Nut
17	8	1/2" x 3/4" Nylon Spacer
02	4	Serrated Nut 5/16-18
05	4	Hex Bolt 5/16-18 x 3/4"
06	4	Flat Washer 5/16"



You have successfully installed your Sprinter Swing Door Partition! If you have any questions or concerns, please contact us at (888)-796-3430