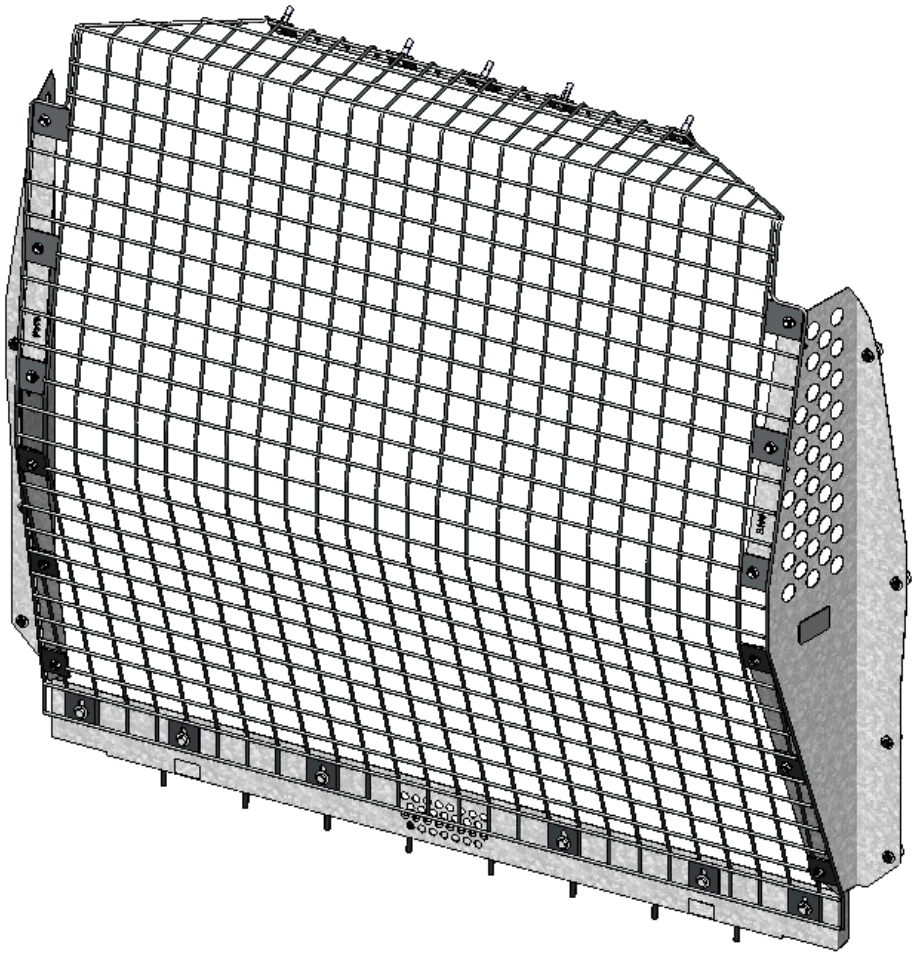
INSTALLATION GUIDE



C13-PC WIRE MESH PARTITION

Promaster City (Wire Mesh, Steel)

Scan the QR for the latest Install-Guide.

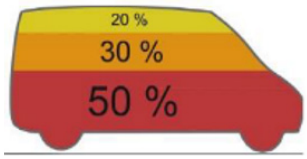
RANGER DESIGN

BEFORE YOU BEGIN

READ, UNDERSTAND, AND FOLLOW ALL WARNINGS AND INSTRUCTIONS BEFORE USING THIS PRODUCT. FAILURE TO FOLLOW THESE DIRECTIONS MAY RESULT IN PROPERTY DAMAGE, SERIOUS BODILY INJURY, AND/OR DEATH. RANGER DESIGN IS NOT RESPONSIBLE FOR ANY PROPERTY DAMAGE, PERSONAL INJURY, OR DEATH THAT OCCURRED WHILE USING ANY RANGER DESIGN PRODUCTS.

WARNING

- Failure to use Ranger Design-provided fasteners, brackets, and proper installation guidelines could increase risk of serious personal injury and/or death.
- If drilling is required to complete this installation: improper drilling can cause property damage to vehicles and could lead to electric shock, fire, or even death.
- If drilling is required to complete this installation: Ensure that drilling is only performed on areas of the vehicle allowed by the vehicle's Original Equipment Manufacturer's Body Builders Layout Book (or equivalent document).
- Prior to installation, inspect the vehicle to ensure that installation will not interfere with, or cause obstruction of, any critical components such as electrical wiring, fuel tanks, fuel-cells, locks, latches, etc.
- The installer or manufacturer is responsible for ensuring anchorages are installed onto suitable wall and floor structures; wall and floor strength must meet applicable performance requirements.
- Do not install systems into any weak or unsound materials such as plastics, woods, thin-walled metals, etc. without proper reinforcement.
- Do not install this product where it could interfere with the deployment of airbags. Failure to comply could result in death or serious injury.
- Do not install this product where it could ingress on the Transit Occupant Protection Zone. Failure to comply could result in death or serious injury.
- Incorrect installation could cause water leaks, electric shock or fire.
- Any cargo vehicle with any cargo or equipment should use a certified partition. See Ranger Design website for some partition options. (https://rangerdesign.com/)
- Mountings rails are recommended for any attachment to the vehicle walls.
- All items in the cargo area should be properly secured and partition doors closed while the vehicle is in motion.
- Check your vehicle's tare weight and remaining load capacity with all the equipment installed. Never exceed the maximum Gross Vehicle Weight Rating (GVWR), Gross Axle Weight Ratings (GAWRs), or other maximum loads permitted by the vehicle's Original Equipment Manufacturer (OEM) and required by law.
- The heaviest items must be placed towards the bottom of the vehicle, while the lightest ones can be arranged upwards. Vehicle cargo loading weight proportion should follow the following guidelines:



- The final alterer and/ or modifier should review the warning sheet with the customer before the vehicle is released to the customer or for general use. These instructions should remain with the vehicles a all times.
- Any modification or unintended use of this product voids any warranty and could create a hazardous condition.
- Ranger Design provides recommended assembly and installation instructions which should be followed to ensure correct operation. Failure to do so could result in invalidating the product's compliance, warranty and cause injury. Notwithstanding, the final stage vehicle alterer and/or modifier is responsible for the integration, installation, and compliance of the product in its final location to all applicable regulations and standards. Failure to maintain compliance of the vehicle to applicable regulations and standards could be punishable by law. Alterers and/or modifiers should consult with all local authorities prior to commissioning.

CAUTION

- Drilling is required to complete this installation. Before drilling, ensure that you will not hit any critical parts of the vehicle like the gas tank, wiring harness, or hose. Consult the vehicle OEM documentation as necessary. When drilling, use a drill collar to reduce the risk of damage to the vehicle.
- Any materials, padding, or glazing installed in the vehicle must comply with FMVSS/CMVSS 201/205/302, as applicable.
- In the event of a motor vehicle accident or collision where a Ranger system has been installed, especially ones where the vehicle structure is damaged and/or the air bags deploy and/or the vehicle has been towed, the system must be inspected to ensure continued soundness and safety before returning the vehicle to service. Damaged components should be replaced as necessary.
- All system components should be regularly inspected, cleaned, and maintained pursuant to Ranger guidelines.

QUICK START GUIDE

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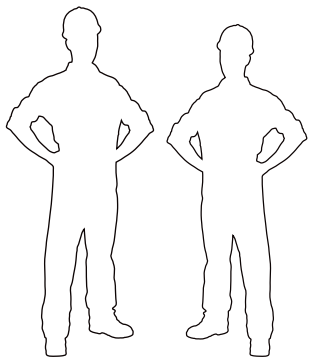
REQUIRED ITEMS

- ❑ Cordless Impact
- ❑ Cordless Drill
- ❑ Knife
- ❑ Philips Screw Driver
- ❑ Plusnut Tool
- ❑ Ratchet
- ❑ 1/2" Socket
- ❑ 7/16" Socket
- ❑ 10mm Socket
- ❑ 13mm Socket
- ❑ T30 Torque Bit
- ❑ T40 Torque Bit
- ❑ 9/16" Wrench
- ❑ 1" Holesaw

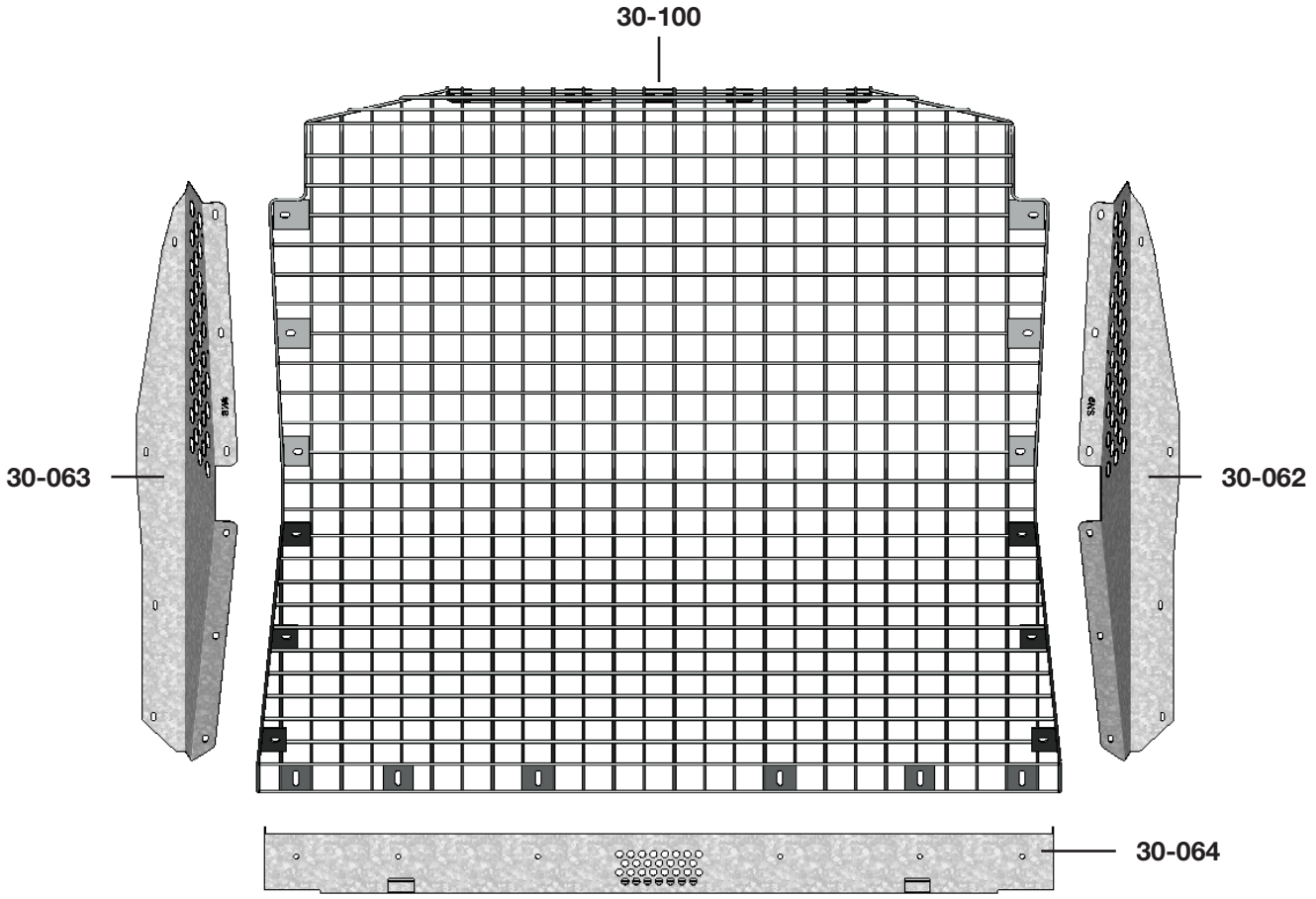


2
PERSONS

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.
30-062	Passenger Side Wing	1
30-063	Driver Side Wing	1
30-064	Floor Bracket	1
30-100	Wire Mesh Partition	1
79-932	Warning label - Bilingual, partition	1
94-3043	Assembly Fastener Bag	1
96-3012	Installation Fastener Bag	1

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

Assembly Fastener Bag → Hardware Assembly

6×		**# 90-204** Hex Bolt 5/16"-18 × 3/4" GR-5 ZINC
12×		**# 90-484** Carriage Bolt 5/16"-18 × 5/8" ZINC
18×		**# 94-116** Serrated Nut 5/16"-18 ZINC
6×		**# 98-116** Flat Washer 5/16", 7/8" OD ZINC

6×

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

12×

#90-484 Carriage Bolt 5/16" × 5/8"
#94-116 Serrated Nut

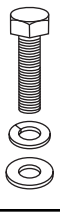
Installation Fastener Bag → Hardware Assembly

5×		**# 90-118** Hex Bolt 1/4"-20 × 1-1/4" GR-5 ZINC
8×		**# 90-668** Hex Bolt M8-1.25 × 40 CL 8.8 DIN 933 BLACK OXIDE
8×		**# 90-836** Hex Bolt M6-1.0 × 40 CL 12.9 DIN 933 BLACK OXIDE
5×		**# 94-130** Plusnut .250
13×		**# 98-112** Flat Washer 1/4", 3/4" OD ZINC
8×		**# 98-116** Flat Washer 5/16", 7/8" OD ZINC
13×		**# 98-118** Lock Washer Regular 1/4" ZINC
8×		**# 98-122** Lock Washer Regular 5/6" ZINC
24×		**# 98-157** Spacer 0.375" ID, × 1.0" OD × 0.25" L NYLON
8×		**# 98-158** Retaining Washer M16 (1/4") NYLON

5×

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

8×



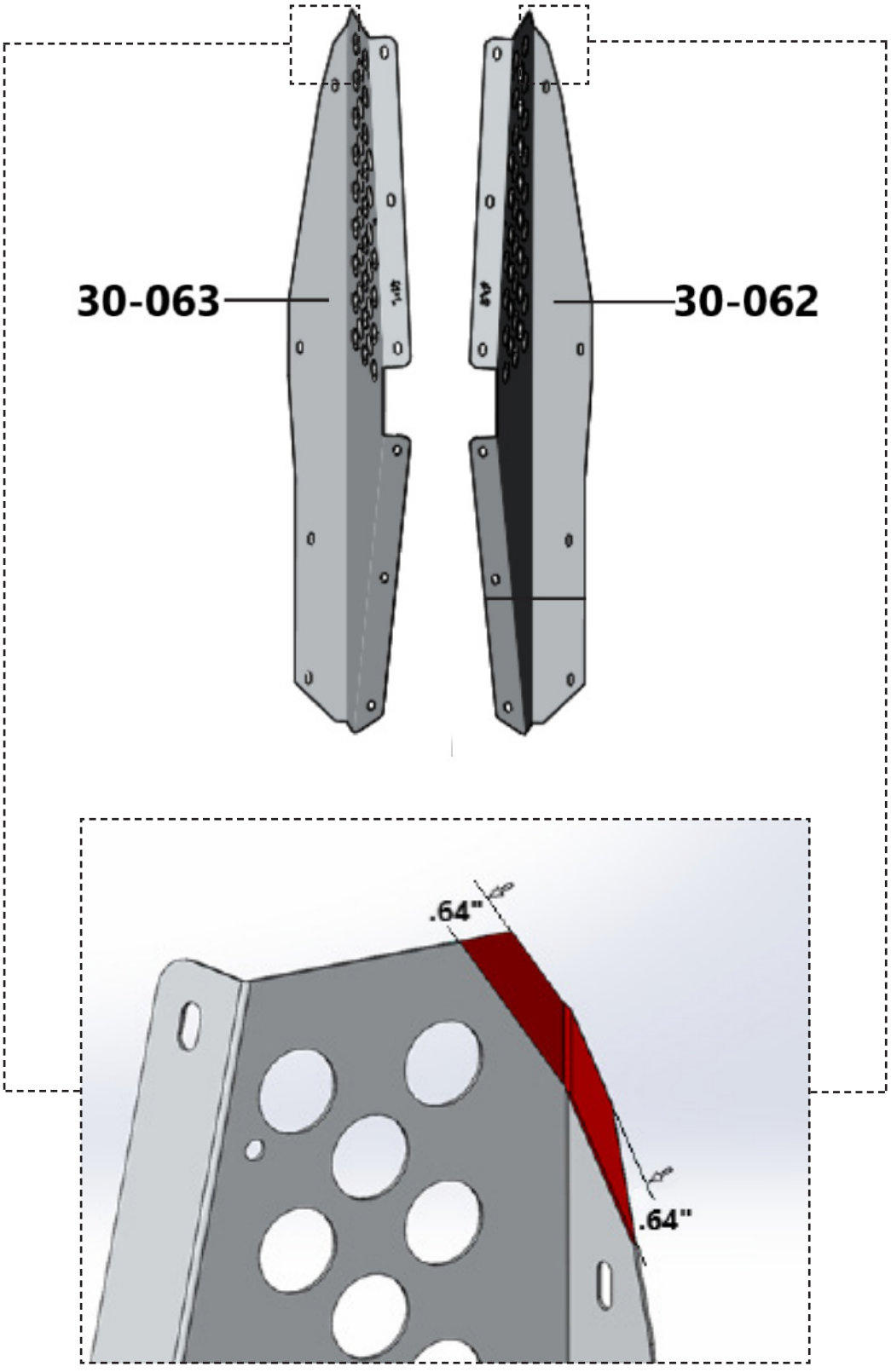
#90-668 Hex Bolt M8 × 40
#98-122 Lock Washer
#98-116 Flat Washer

8×

#90-836 Hex Bolt M6 " × 40
#98-118 Lock Washer
#98-112 Flat Washer
#98-157 Spacers (3)
#98-158 Retaining Washer

PHASE 1 – FOR PROMASTER CITY 2021+

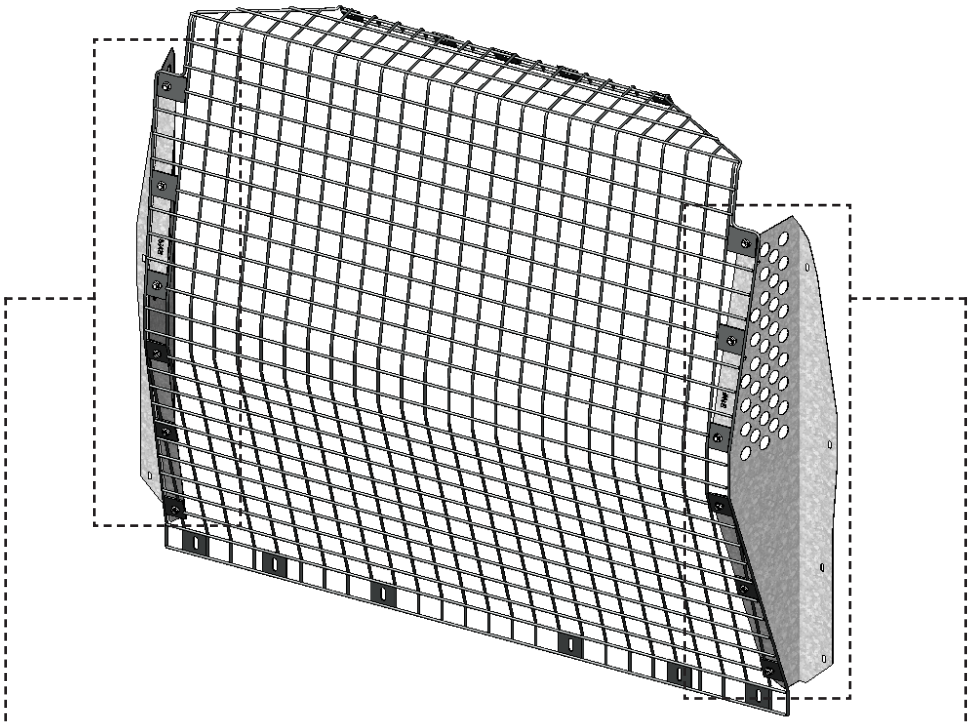
1.1.4 To clear the airbag brackets, cut both sides of the top edges, as

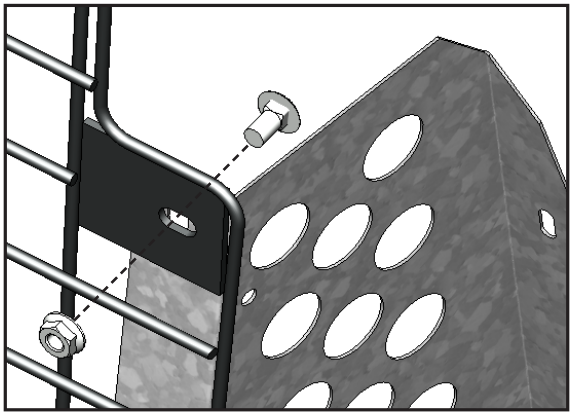


PHASE 1 – ASSEMBLY

1.2 PARTITION ASSEMBLY

1.2.1 Remove all the PVC from all the parts, then attach both wings to the wire mesh partition.





TOOLS

- ❑ Cordless Impact
- ❑ 1/2" Socket

HARDWARE USED

12×

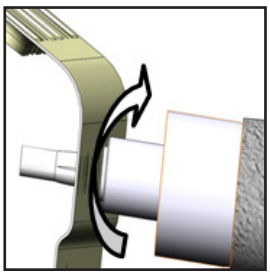
	#90-484 Carriage Bolt 5/16" × 5/8"
	#94-116 Serrated Nut

PHASE 2 – INSTALLATION

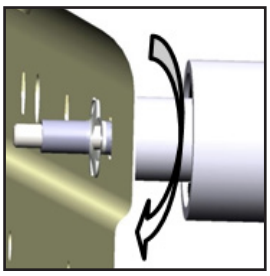
2.1 TIPS ON HOW TO ATTACH A PLUSNUT

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

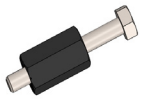


REVERSE

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

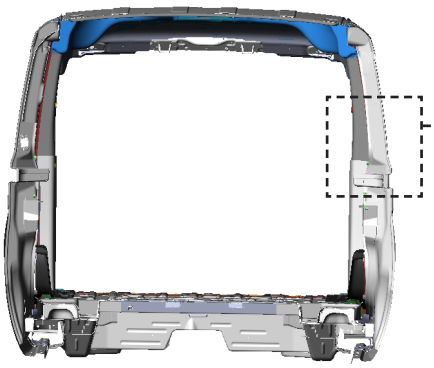
REVERSE

PHASE 2 – INSTALLATION

2.2 VEHICLE PREPARATION

2.2.1 Removing handle.

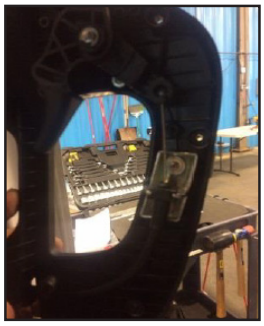
NOTE: If you are installing a Contoured Partition and your Promaster City is supplied with an oversized sliding door handle, this handle must be removed in order for the door to close properly.



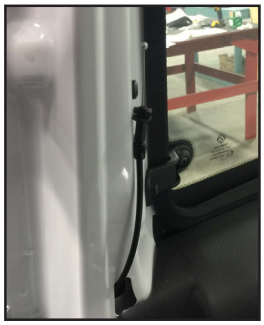
Separate the two halves of the handle exposing the two bolts at the top by removing the small philips screws and the bolt at the bottom.

TOOLS

- ❑ Cordless Impact or Ratchet
- ❑ Philips Screw Driver
- ❑ T30 Torque Bit



Detach the plastic bracket on the cable from the metal part of the handle, then slide the cable across the channel and pop out.

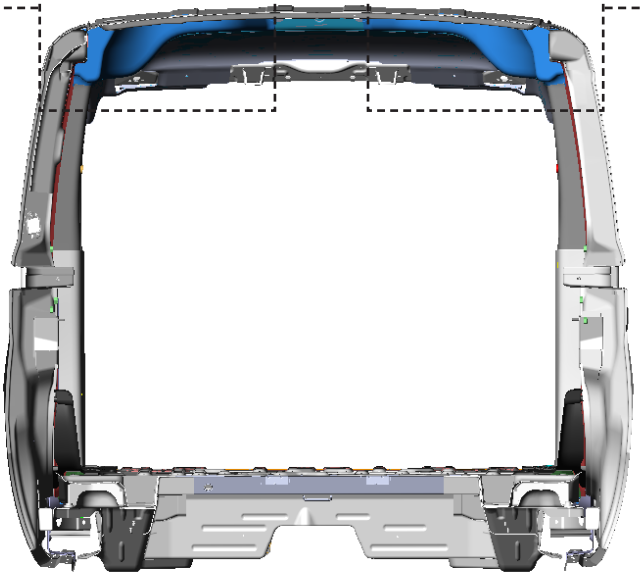


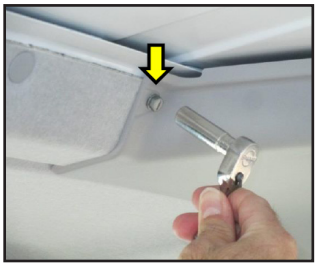
Tape or roll the cable.

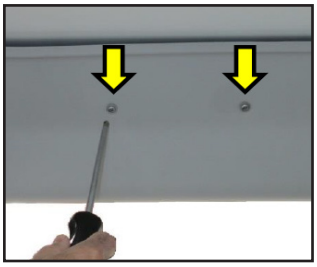
NOTE: Pulling the cable unlocked the door.

2.2.2 Removing overhead plastic.

NOTE: There are two types of covers.
(White Covers - Without OEM partition, and Black Covers - With OEM partition)



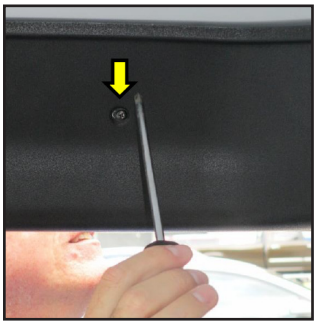




For the white cover, remove the two screws on the side and bolt on the front.

NOTE: Do these on both sides of the van.

TOOLS
- ❑ Cordless Impact or Ratchet
- ❑ Philips Screw Driver
- ❑ 7/16" Socket

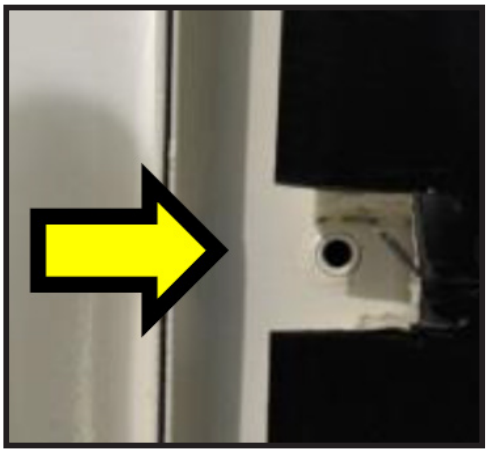


For the black cover, remove the screw on the side and bolt on the front.

NOTE: Do these on both sides of the van.

TOOLS
- ❑ Cordless Impact or Ratchet
- ❑ Philips Screw Driver
- ❑ 7/16" Socket

2.2.3 Driver and passenger sides preparation.

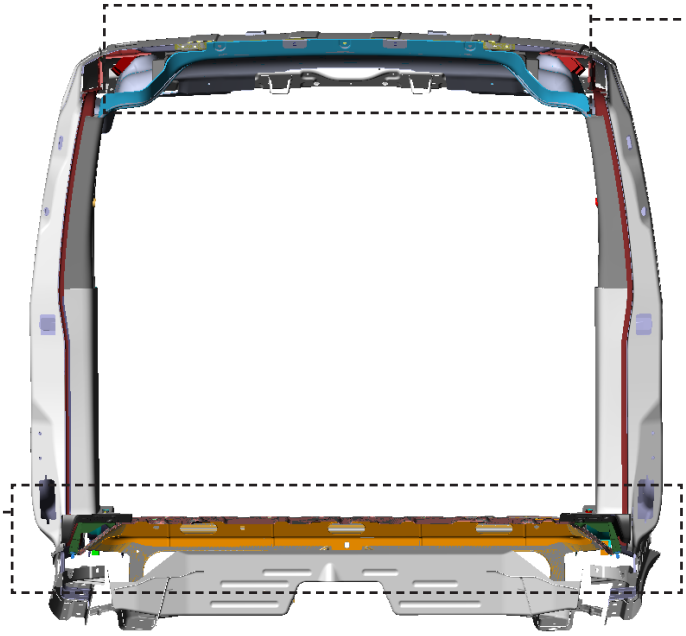


Pull back the plastic cover, then cut a 1" square from the plastic cover to uncover the threaded holes or drill the plastic cover using 1" holesaw.

TOOLS

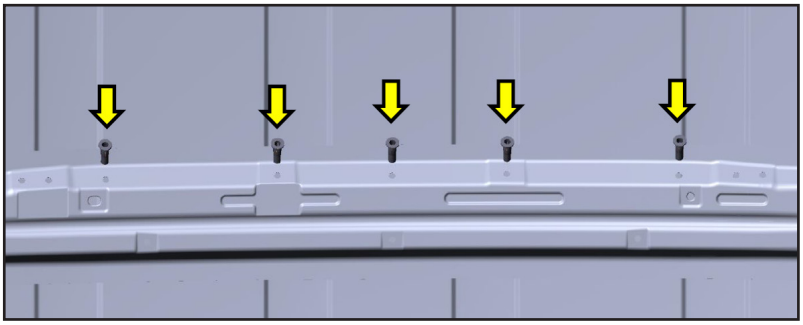
- ❑ Cordless Drill
- ❑ Knife
- ❑ 1" Holesaw

2.2.4 Ceiling and floor preparation.



Attach plusnut on these 5 holes.

NOTE: Enlarge these holes if the plusnuts don't fit, using 3/8" drill bit or step drill.



TOOLS

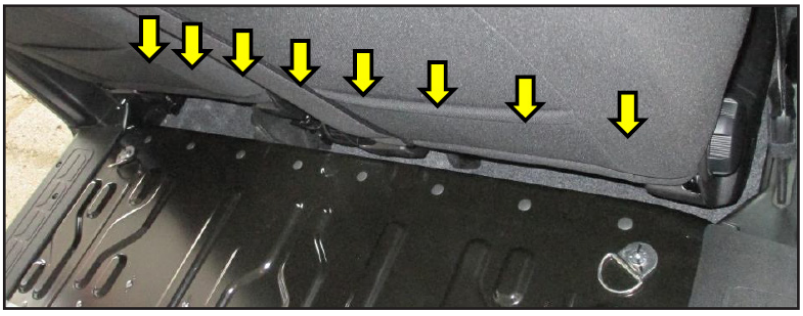
❑ Plusnut Tool

HARDWARE USED

5×

94-130
Plusnut .250

Remove plastic caps and the two D-rings from vehicle floor, then verify if the threads are in good condition.



TOOLS

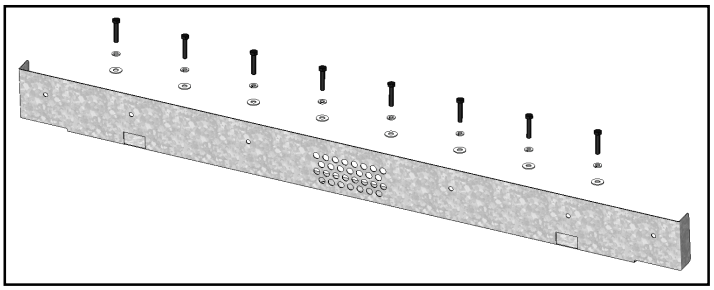
❑ Cordless Impact

❑ T40 Torque Bit

PHASE 2 – INSTALLATION

2.3 WIRE MESH PARTITION INSTALLATION

2.3.1 Attach the floor bracket in the van.



TOOLS

- ❑ Cordless Impact
- ❑ 13mm Socket

HARDWARE USED

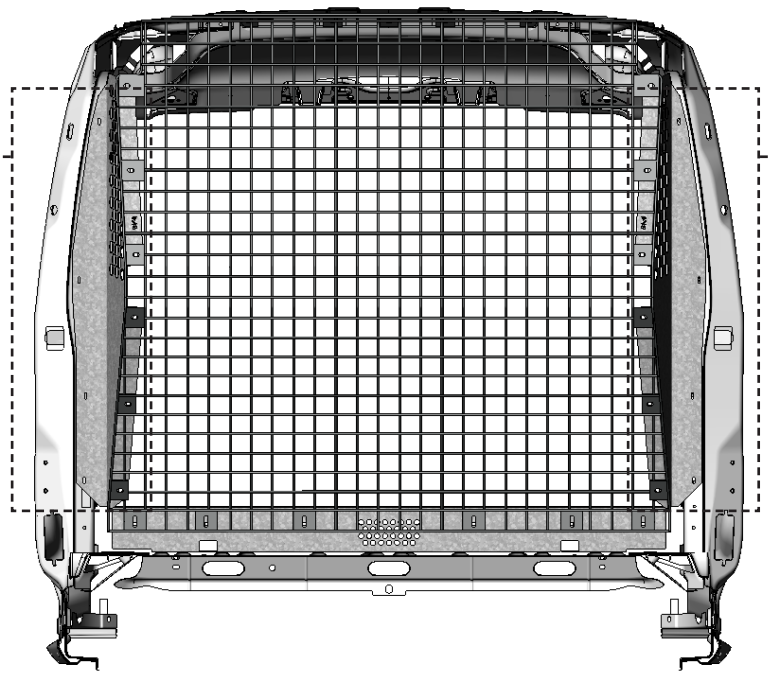
8×

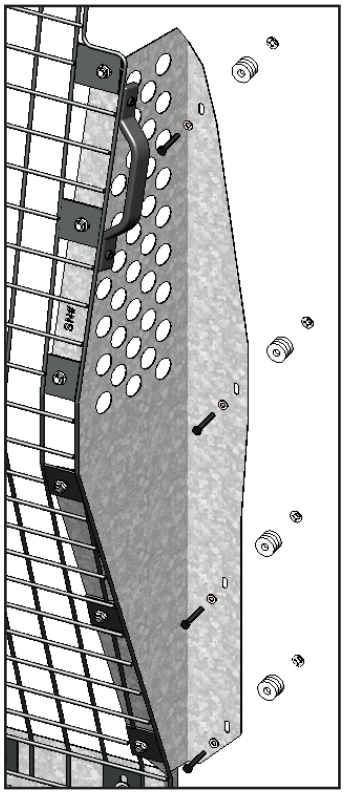
#90-668 Hex Bolt M8 × 40

#98-122 Lock Washer

#98-116 Flat Washer

2.3.2 Lift the assembled partition in the van, then bolt both sides of the partition in the van.



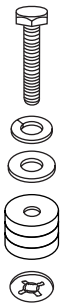


TOOLS

- ❑ Cordless Impact
- ❑ 10mm Socket

HARDWARE USED

8×



#90-836 Hex Bolt M6 " × 40

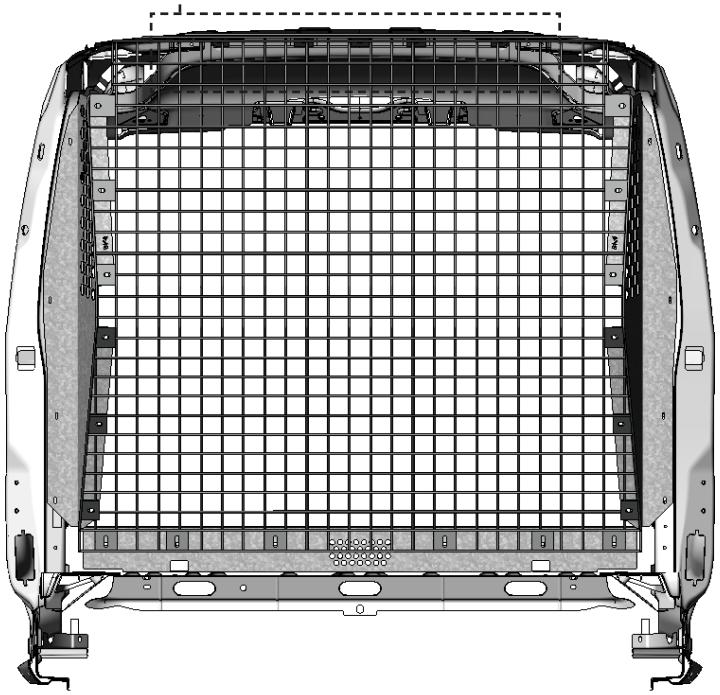
#98-118 Lock Washer

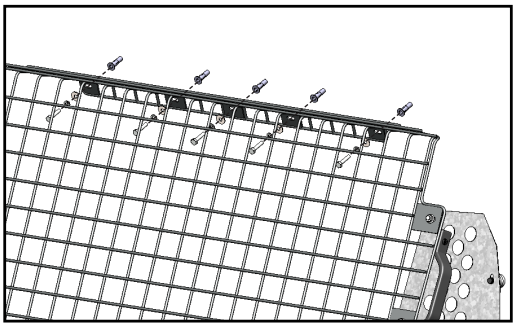
#98-112 Flat Washer

#98-157 Spacers (3)

#98-158 Retaining Washer

2.3.3 Attach the top of the partition in the van.





TOOLS

- ❑ Cordless Impact
- ❑ 7/16" Socket

HARDWARE USED

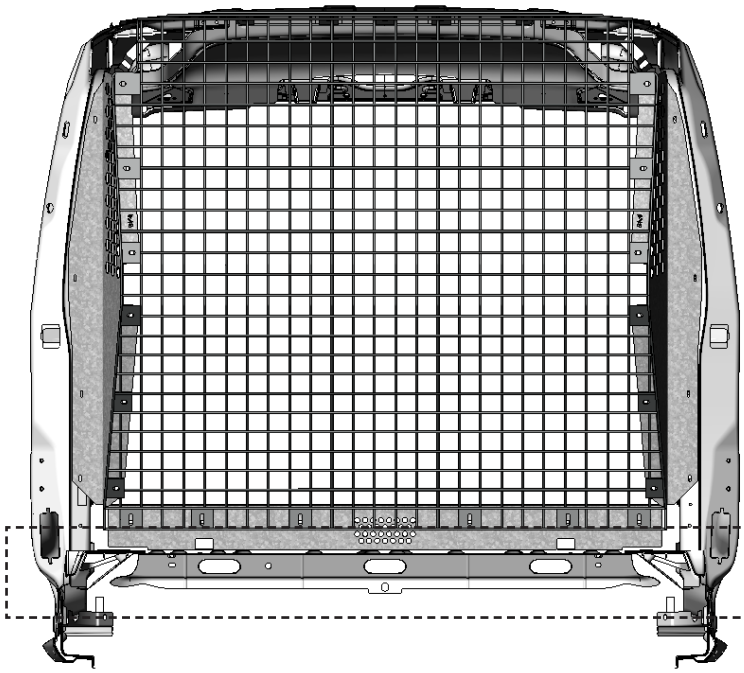
5×

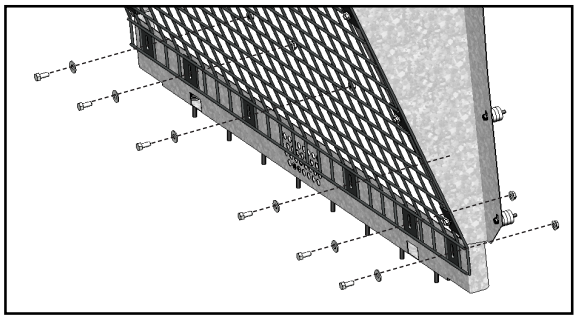
#90-118 Hex Bolt 1/4" × 1-1/4"

#98-118 Lock Washer

#98-112 Flat Washer

2.3.4 Attach the bottom of the partition to the floor bracket.





TOOLS

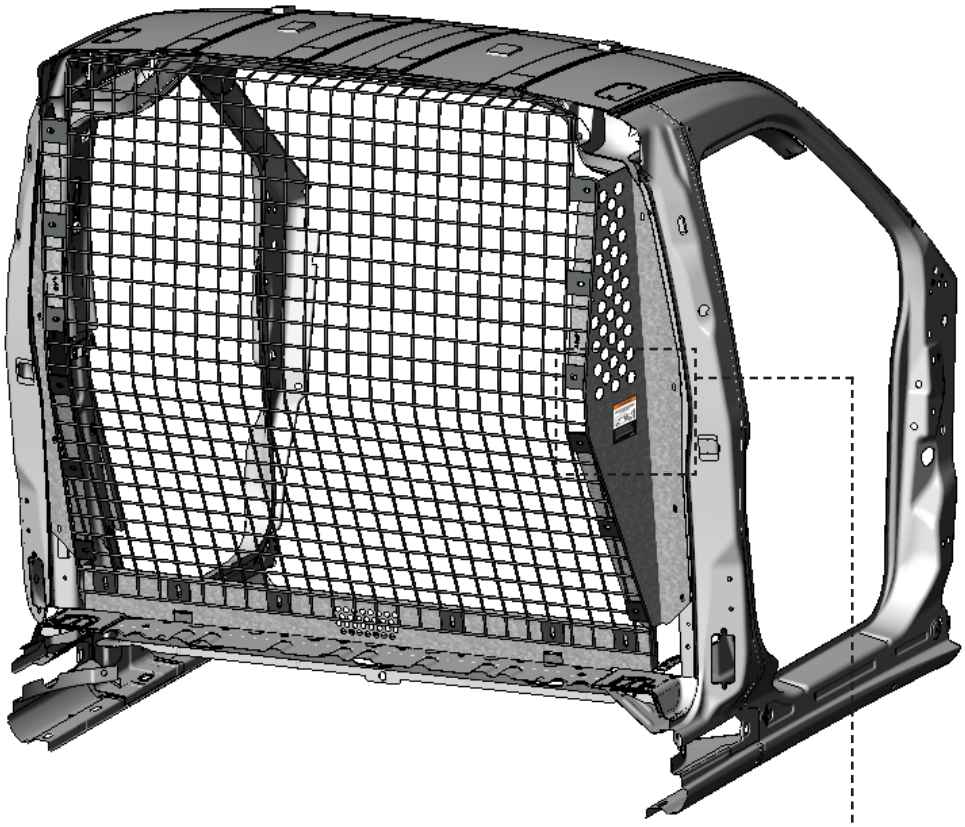
- ❑ Cordless Impact
- ❑ 1/2" Socket

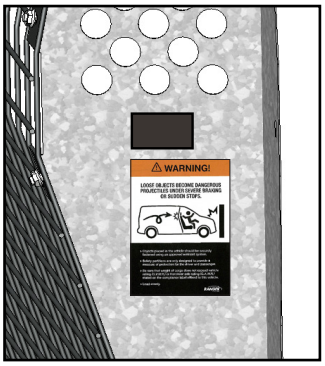
HARDWARE USED

6×

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

2.3.5 Apply the warning label on the passenger side wing.





NOTE: Put the warning label in a place where it's easy to see.

“Congratulations, you have successfully installed your Wire Mesh Partition!

Thank you for doing business with us.”

RANGER DESIGN