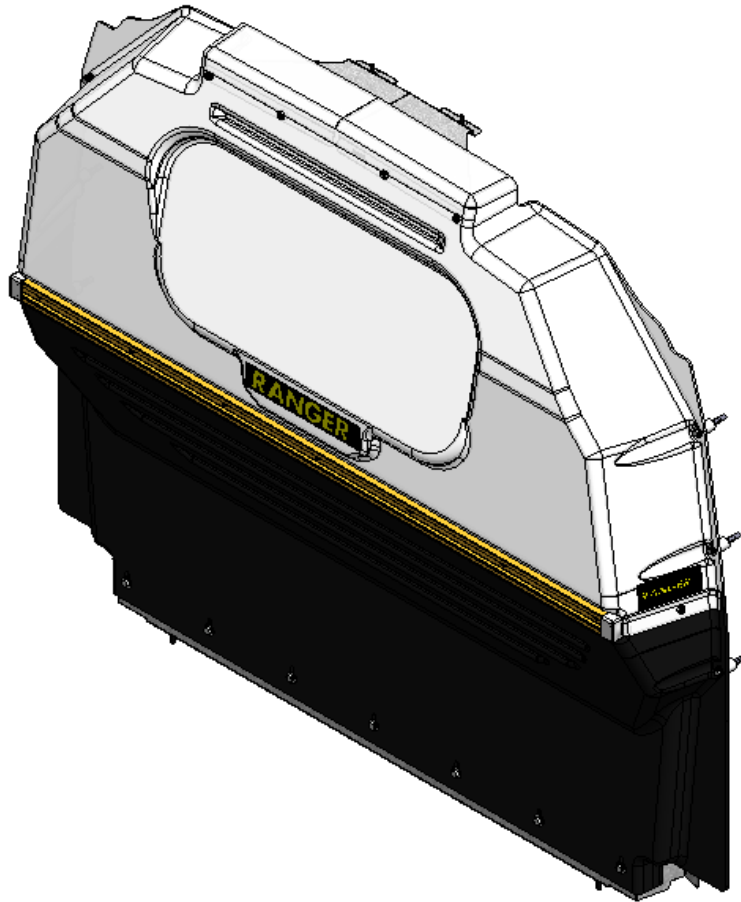


INSTALLATION GUIDE



3320-MM CONTOURED PARTITION

Metris Partition (Clear Plastic)



QUICK START GUIDE

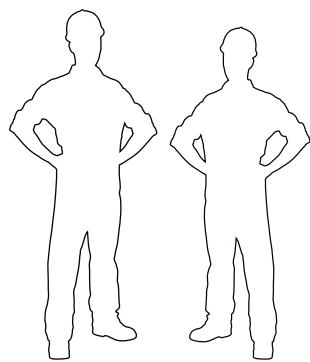
Phase 1 - Assembly

- ❑ 1.1 Setup..... 3 - 4
- ❑ 1.2 Partition assembly..... 5 - 6

Phase 2 - Installation

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REQUIRED ITEMS



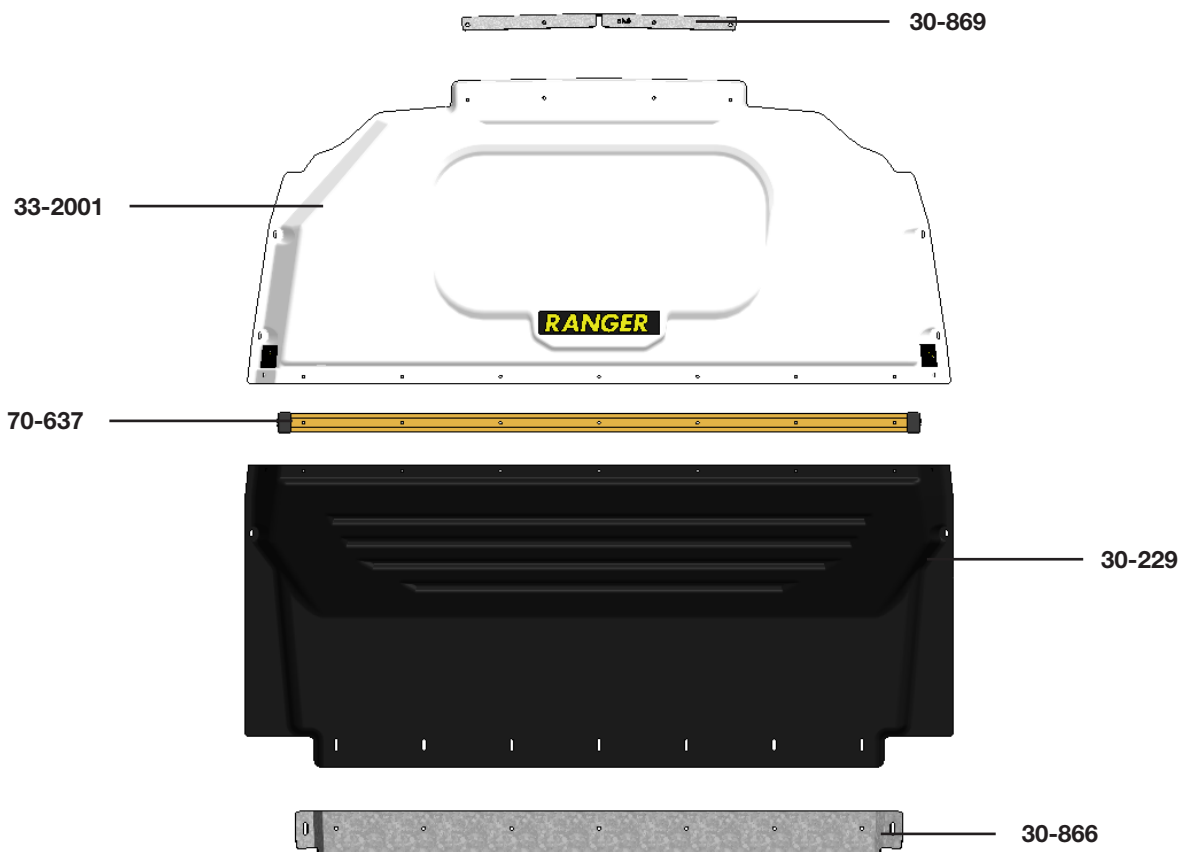
2
PERSONS

- ❑ Cordless Impact
- ❑ Cordless Drill
- ❑ Marker
- ❑ Plusnut Tool
- ❑ Socket Wrench
- ❑ Step Drill
- ❑ 3/8" Drill Bit
- ❑ 7/16" Socket
- ❑ 1/2" Socket
- ❑ 9/16" Wrench
- ❑ 1" Hole Saw
- ❑ 10mm Socket
- ❑ 13mm Socket
- ❑ T40 Torque 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.
30-229	Lower Panel	1
30-866	Floor Bracket	1
30-869	Butterfly Shape Bracket	1
70-637	Mounting Track 58-3/8"	1
79-907	Warning Label	1
30-2001	Upper Panel w/ Label	1
94-3009	Assembly Fastener Bag	1
96-3004	Installation Fastener Bag	1

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

Assembly Fastener Bag

4x		# 90-108	Hex Bolt 1/4"-20 x 5/8" GR-5 ZINC
2x		# 90-112	Hex Bolt 1/4"-20 x 7/8" GR-5 ZINC
7x		# 90-114	Hex Bolt 1/4"-20 x 1" GR-5 ZINC
7x		# 90-204	Hex Bolt 5/16"-18 x 3/4" GR-5 ZINC
13x		# 94-112	Serrated Nut 1/4"-20 ZINC
7x		# 94-116	Serrated Nut 5/16"-18 ZINC
13x		# 98-112	Flat Washer 1/4", 3/4" OD ZINC
7x		# 98-116	Flat Washer 5/16", 7/8" OD ZINC

Hardware Assembly

4x

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

2x

	#90-112 Hex Bolt 1/4" x 7/8"
	#98-112 Flat Washer
	#94-112 Serrated Nut

7x

	#90-114 Hex Bolt 1/4" x 1"
	#98-112 Flat Washer
	#94-112 Serrated Nut

7x

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

Installation Fastener Bag

6x		# 90-130	Hex Bolt 1/4"-20 x 2" GR-5 ZINC
2x		# 90-668	Hex Bolt M8-1.25 x 40 CL 8.8 DIN 933 BLACK OXIDE
2x		# 90-824	Hex Bolt M6-1.00 x 20 CL 12.9 DIN 933 BLACK OXIDE
6x		# 94-130	Plusnut .250
10x		# 98-112	Flat Washer 1/4", 3/4" OD ZINC
2x		# 98-116	Flat Washer 5/16", 7/8" OD ZINC
10x		# 98-118	Lock Washer Regular 1/4" ZINC
2x		# 98-122	Lock Washer Regular 5/16" ZINC
6x		# 98-158	Retaining Washer M16 (1/4") NYLON
6x		# 99-102	Spacer 0.323" ID x 0.750" OD x 1.125" NYLON

Hardware Assembly

6x

	#90-130 Hex Bolt 1/4" x 2"
	#98-118 Lock Washer
	#98-112 Flat Washer
	#99-102 Spacer
	#98-158 Retaining Washer
	#94-130 Plusnut .250

2x

	#90-668 M8 x 40
	#98-122 Lock Washer
	#98-116 Flat Washer

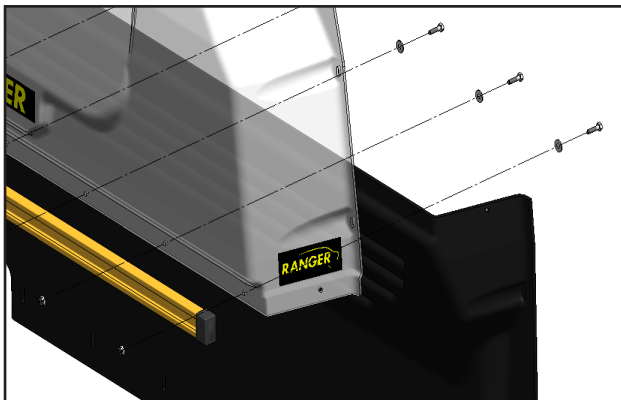
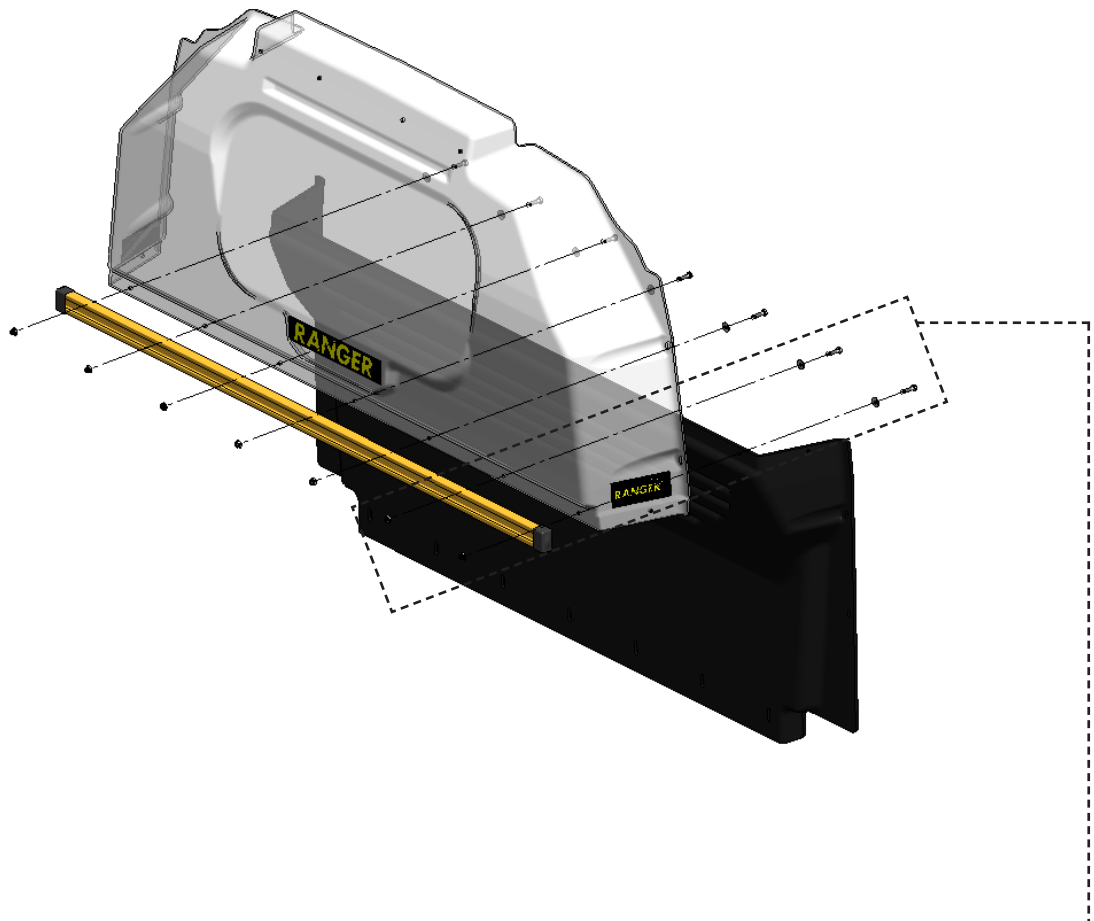
2x

	#90-824 M6 x 20
	#98-118 Lock Washer
	#98-112 Flat Washer

PHASE 1 – ASSEMBLY

1.2 PARTITION ASSEMBLY

1.2.1 Attach the lower panel and mounting track to the upper panel.



TOOLS

- ☐ Cordless Impact
- ☐ 7/16" Socket

HARDWARE USED

7x



#90-114 Hex Bolt 1/4" x 1"

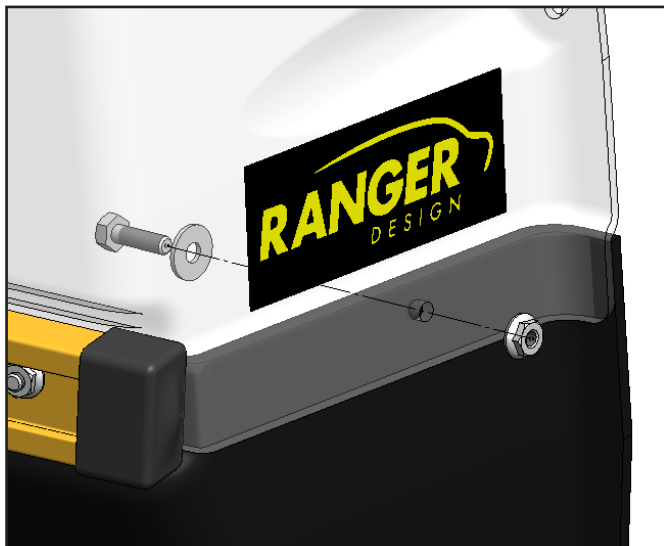
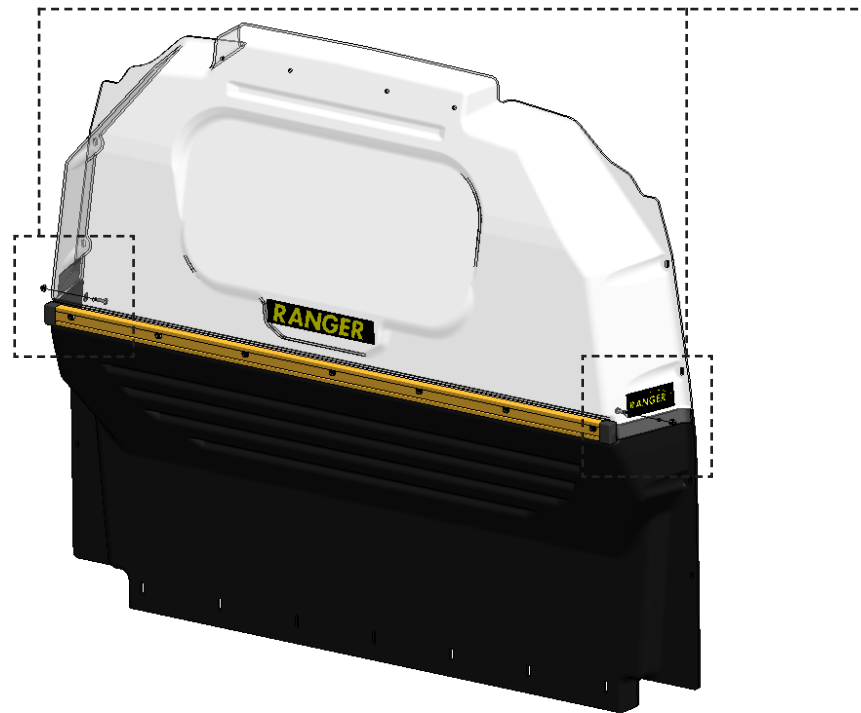


#98-112 Flat Washer



#94-112 Serrated Nut

1.2.2 Attach the sides of the upper panel and lower panel together on both sides.



TOOLS

- Cordless Impact
- 7/16" Socket

HARDWARE USED

2x

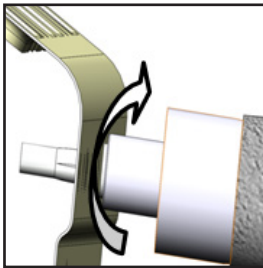
- | | |
|--|------------------------------|
|  | #90-112 Hex Bolt 1/4" x 7/8" |
|  | #98-112 Flat Washer |
|  | #94-112 Serrated Nut |

PHASE 2 – INSTALLATION

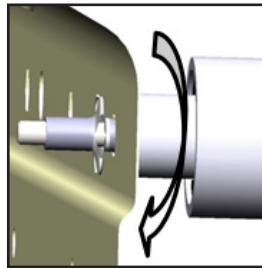
2.1 TIPS ON HOW TO ATTACH A PLUSNUT

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

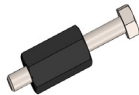


REVERSE

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 x 3/4" OD

TOOLS

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

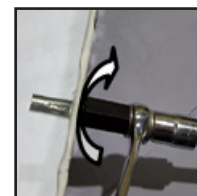
TIPS STEP 1:

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

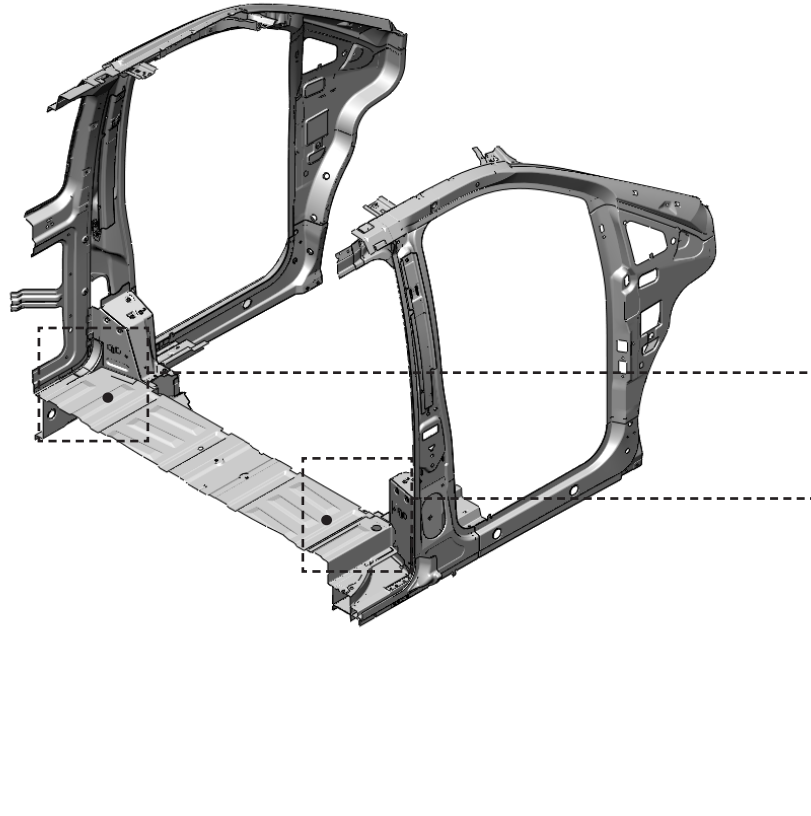


REVERSE

PHASE 2 – INSTALLATION

2.2 VEHICLE PREPARATION

2.2.1 Floor preparation.



Remove the 2 D-rings and the 2 torque bolts on the floor.

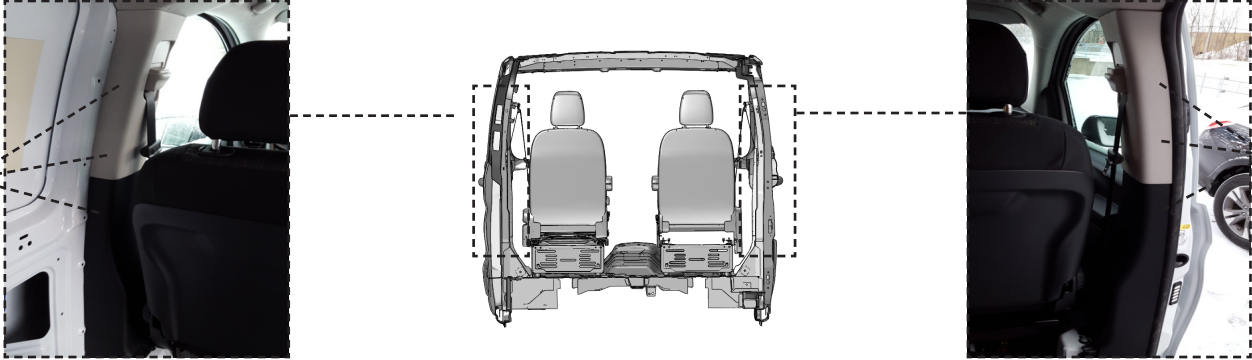
Remove

TOOLS

- ☐ Cordless Impact
- ☐ T40 Torque Bit

2.2.2 Driver and passenger sides preparation.

NOTE: Be careful of the wire or any parts that hide at the back of the B-pillar.



Put the assembled partition in place and put 6 marks on the plastic covers through the 3 holes of both sides of the assembled partition.



TOOLS
☐ Marker

MARKS

Put the assembled partition on the side, then drill the marks on the plastic cover using a 1" hole saw.



TOOLS
☐ 1" Hole Saw
☐ Cordless Drill

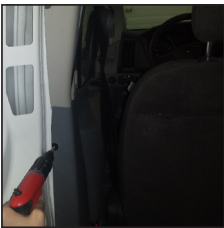
Use a 3/8" drill or step drill to enlarge and to make holes in the van.



TOOLS
☐ Cordless Drill
☐ 3/8" Drill Bit or Step Drill

NOTE: Use the assembled partition as a template when making the holes to have accurate locations.

Attach plusnuts in the 6 holes.



TOOLS
☐ Plusnut Tool

HARDWARE USED

6x

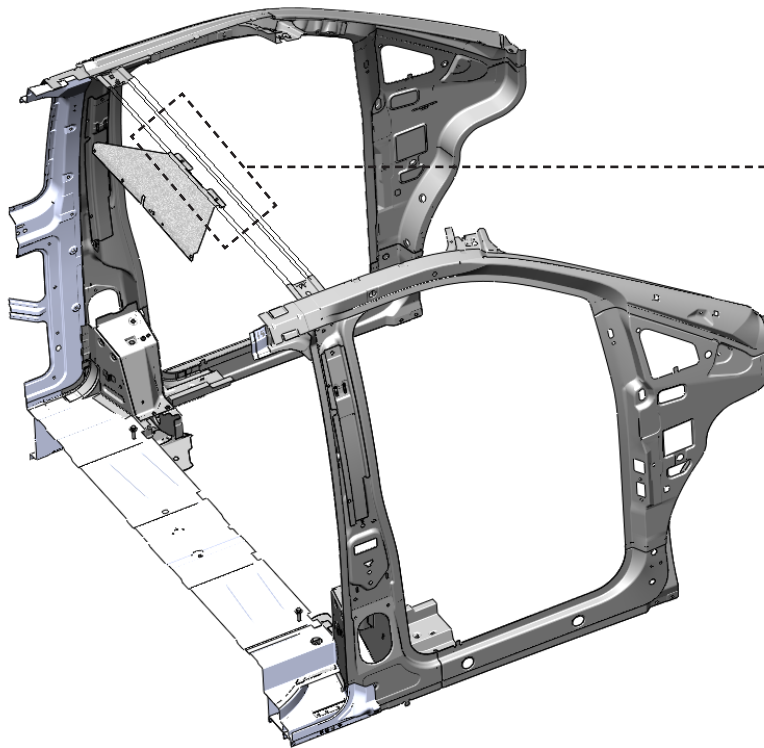


94-130
Plusnut .250

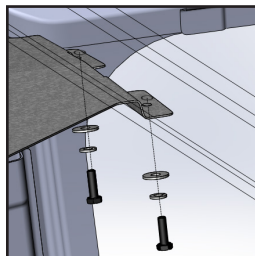
PHASE 2 – INSTALLATION

2.3 CONTOURED PARTITION INSTALLATION

2.3.1 Butterfly shape bracket installation.



Pull the plastic cover down, then attach the ceiling bracket using the 2 threaded holes.



TOOLS

- Socket Wrench
- 10mm Socket

HARDWARE USED

2x



#90-824 M6 × 20

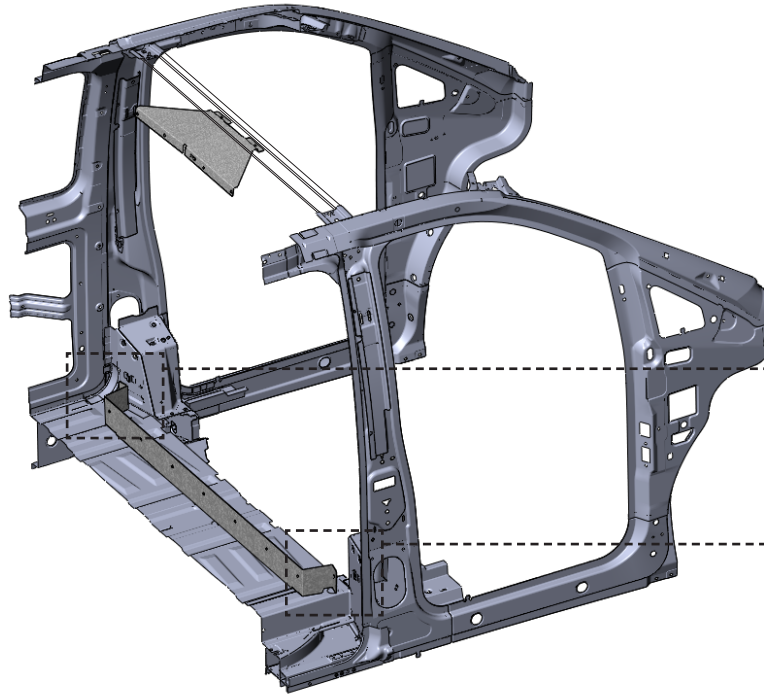


#98-118 Lock Washer



#98-112 Flat Washer

2.3.2 Floor bracket installation.



Attach both ends of the floor bracket on van using the D-ring bolts.

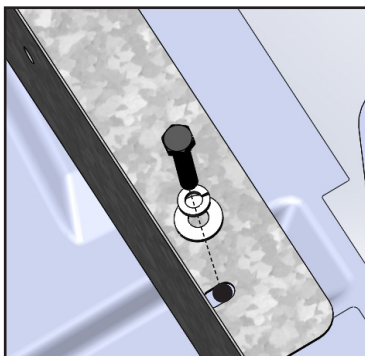
TOOLS

- ☐ Cordless Impact
- ☐ T40 Torque Bit

HARDWARE USED

2x

Use the D-ring Bolts



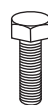
Bolt the floor bracket to the floor of the van.

TOOLS

- ☐ Cordless Impact
- ☐ 13mm Socket

HARDWARE USED

2x



#90-668 M8 × 40

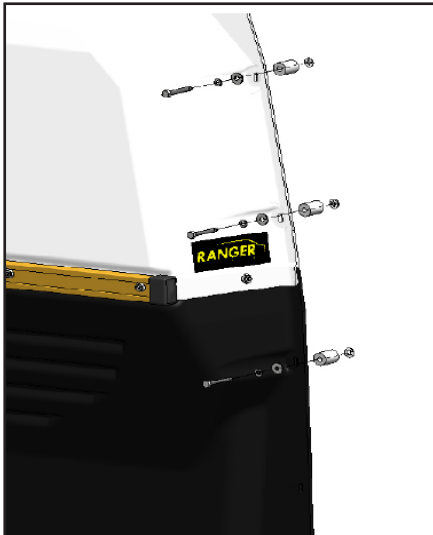
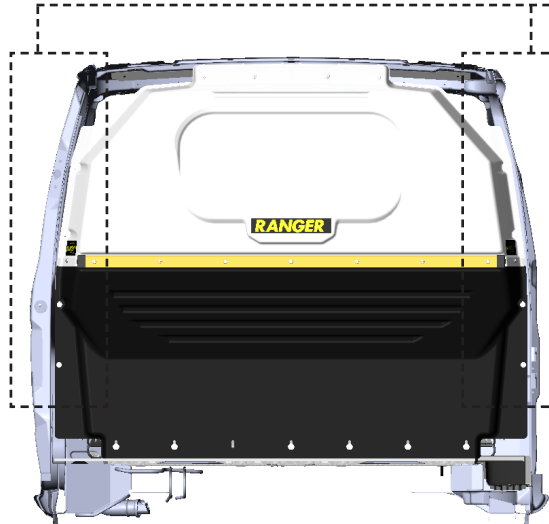


#98-122 Lock Washer



#98-116 Flat Washer

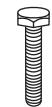
2.3.3 Attach the upper panel and lower panel to the van.



Put a bolt, lock washer, flat washer, spacer and a retaining washer in the side holes of the upper and lower panel.

HARDWARE USED

6x



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



#98-118 Lock Washer



#98-112 Flat Washer



#99-102 Spacer



#98-158 Retaining Washer

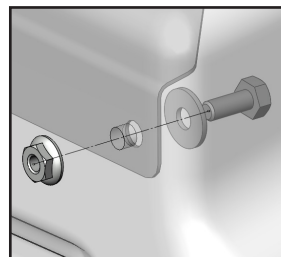
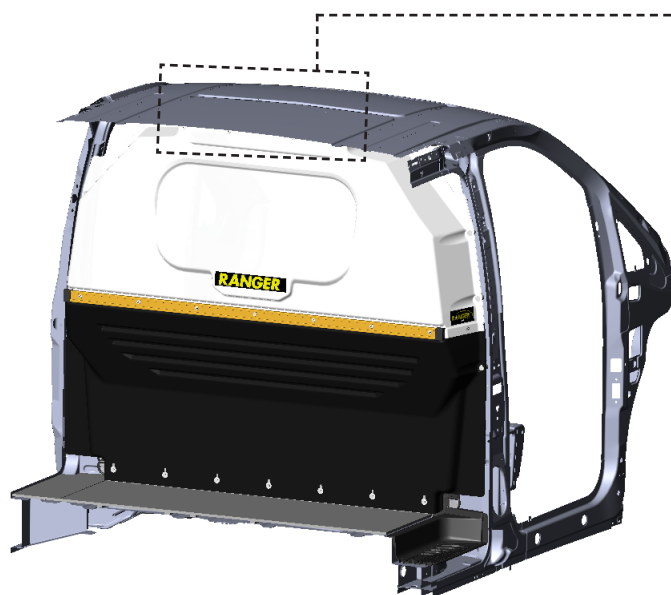


Attach the upper and lower panel using the hex bolts into the plusnuts.

TOOLS

- ☐ Cordless Impact
- ☐ 7/16" Socket

2.3.4 Attach the upper panel to the butterfly shape bracket.



TOOLS

- Cordless Impact
- 7/16" Socket

HARDWARE USED

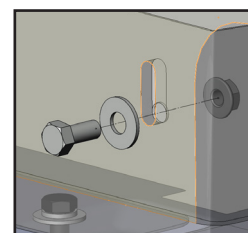
4x

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

2.3.5 Attach the lower panel to the floor bracket, then attach the warning label on the upper panel.

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

WARNING LABEL



TOOLS

- Cordless Impact
- 1/2" Socket

HARDWARE USED

7x

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



**“Congratulations, you have successfully installed your
Contoured 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)

