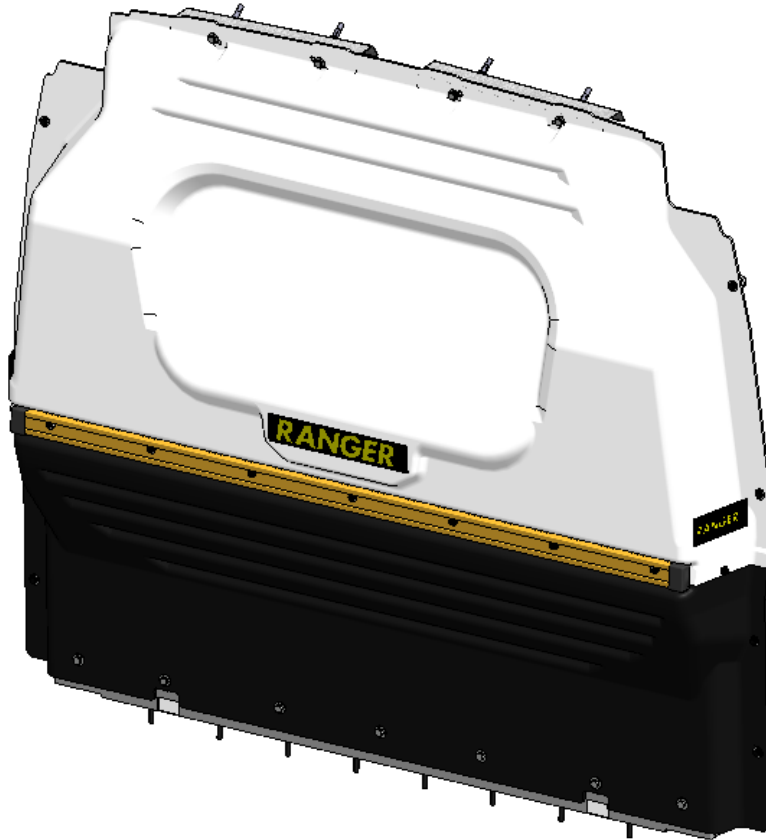


INSTALLATION GUIDE



3320-PC CONTOURED PARTITION

Promaster City (Clear Plastic)



QUICK START GUIDE

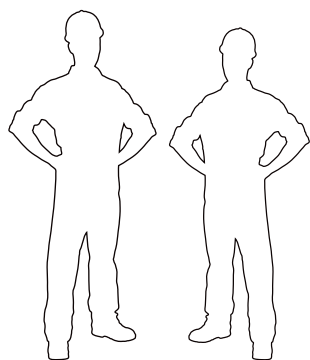
Phase 1 - Assembly

❑ 1.1 Setup.....	3
❑ 1.1.1 Unpack components; compare with the bill of materials.....	3
❑ 1.1.2 Verify all parts are present.....	3
❑ 1.1.3 Identify the assembly and installation fastener bags.....	4
❑ 1.2 Partition Assembly.....	5
❑ 1.2.1 Attach the lower panel and mounting track to the upper panel.....	5
❑ 1.2.2 Attach the sides of the upper panel and lower panel together on both sides.....	6

Phase 2 - Installation

❑ 2.1 Tips on how to attach a plusnut.....	7
❑ 2.1.1 Attach plusnut using plusnut gun.....	7
❑ 2.1.2 Attach plusnut using Ranger plusnut tool.....	7
❑ 2.2 Vehicle preparation.....	8
❑ 2.2.1 Removing handle.....	8
❑ 2.2.2 Removing overhead plastic.....	9
❑ 2.2.3 Driver and passenger sides preparation.....	10
❑ 2.2.4 Ceiling and floor preparation.....	11
❑ 2.3 Contoured partition installation.....	12
❑ 2.3.1 Attach J - shapes and the floor brackets in the van.....	12
❑ 2.3.2 Lift the assembled partition in the van, then bolt both sides of the partition in the van.....	13
❑ 2.3.3 Attach the upper and lower panels to the J - shapes and floor brackets.....	14
❑ 2.3.4 Apply the warning label on the upper panel.....	15

REQUIRED ITEMS



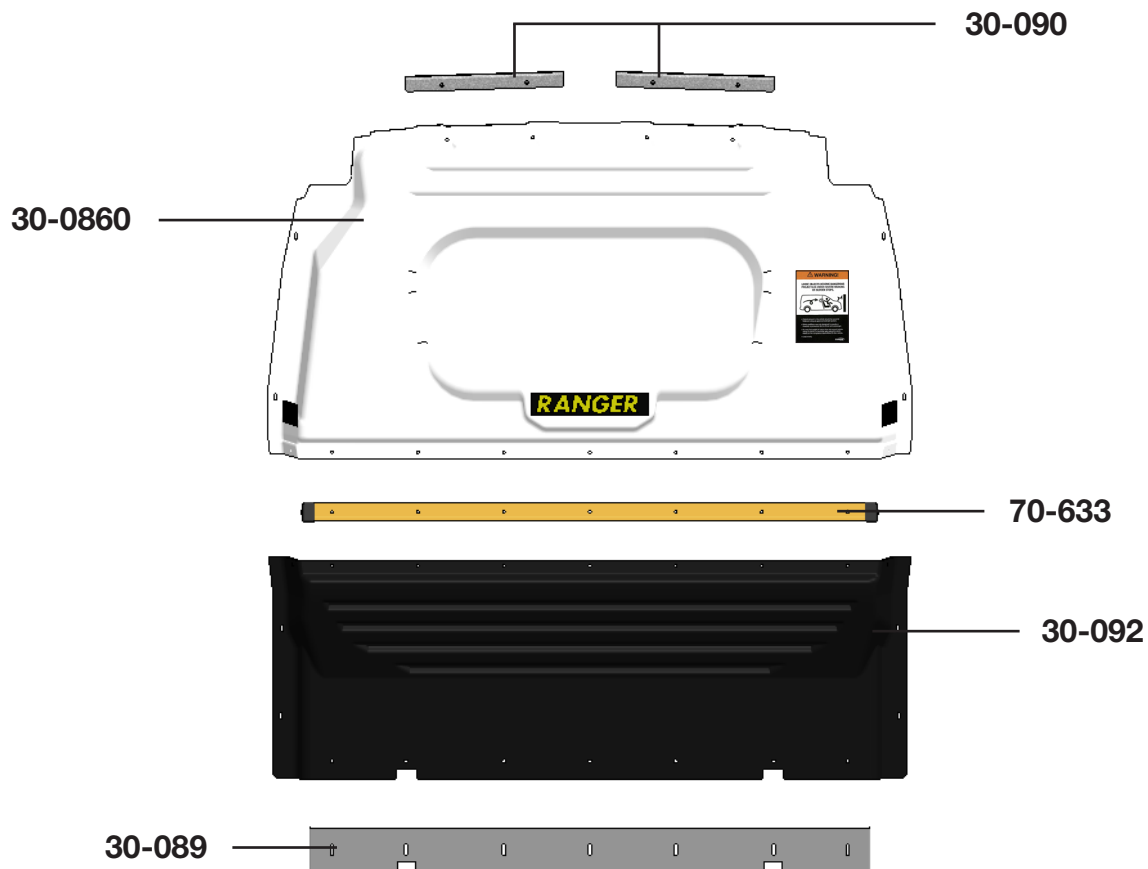
**2
PERSONS**

- ❑ 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

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.
30-089	Floor Bracket	1
30-090	J - Shape Bracket	2
30-092	Lower Panel	1
70-633	Mounting Track (53-1/4" L)	1
79-932	Warning Label (Bilingual)	1
30-0860	Upper Panel w/ Label	1
94-3002	Assembly Fastener Bag	1
96-3002	Installation Fastener Bag	1

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

Assembly Fastener Bag

4x		# 90-110	Hex Bolt 1/4"-20 x 3/4" GR-5 ZINC
9x		# 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
9x		# 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
4x		# 98-118	Lock Washer Regular 1/4" ZINC

Hardware Assembly

4x		#90-110 Hex Bolt 1/4" x 3/4"
		#98-118 Lock Washer
		#98-112 Flat Washer

9x		#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

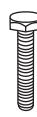
Installation Fastener Bag

4x		# 90-118	Hex Bolt 1/4"-20 x 1-1/4" GR-5 ZINC
8x		# 90-668	Hex Bolt M8-1.25 x 40 CL 8.8 DIN 933 BLACK OXIDE
8x		# 90-836	Hex Bolt M6-1.0 x 40 CL 12.9 DIN 933 BLACK OXIDE
4x		# 94-130	Plusnut .250
12x		# 98-112	Flat Washer 1/4", 3/4" OD ZINC
8x		# 98-116	Flat Washer 5/16", 7/8" OD ZINC
12x		# 98-118	Lock Washer Regular 1/4" ZINC
8x		# 98-122	Lock Washer Regular 5/16" ZINC
24x		# 98-157	Spacer 0.375" ID, x 1.0" OD x 0.25" L NYLON
8x		# 98-158	Retaining Washer M16 (1/4") NYLON

Hardware Assembly

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

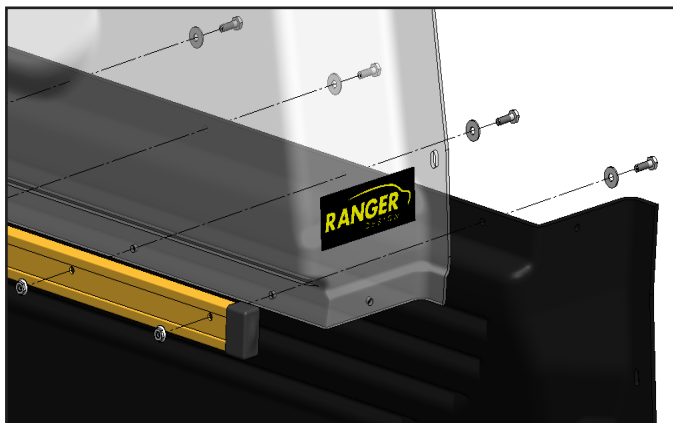
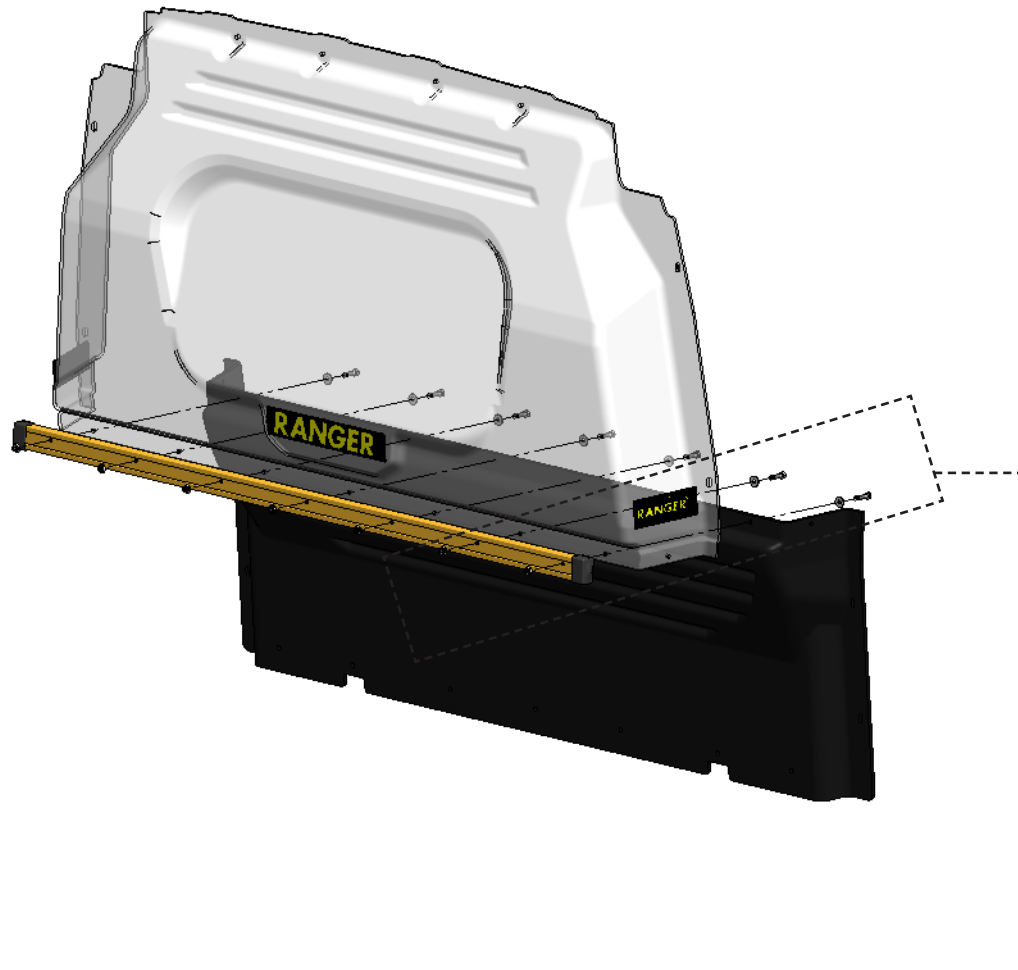
8x		#90-668 Hex Bolt M8 x 40
		#98-122 Lock Washer
		#98-116 Flat Washer

8x		#90-836 Hex Bolt M6 " x 40
		#98-118 Lock Washer
		#98-112 Flat Washer
		#98-157 Spacers (3)
		#98-158 Retaining 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"

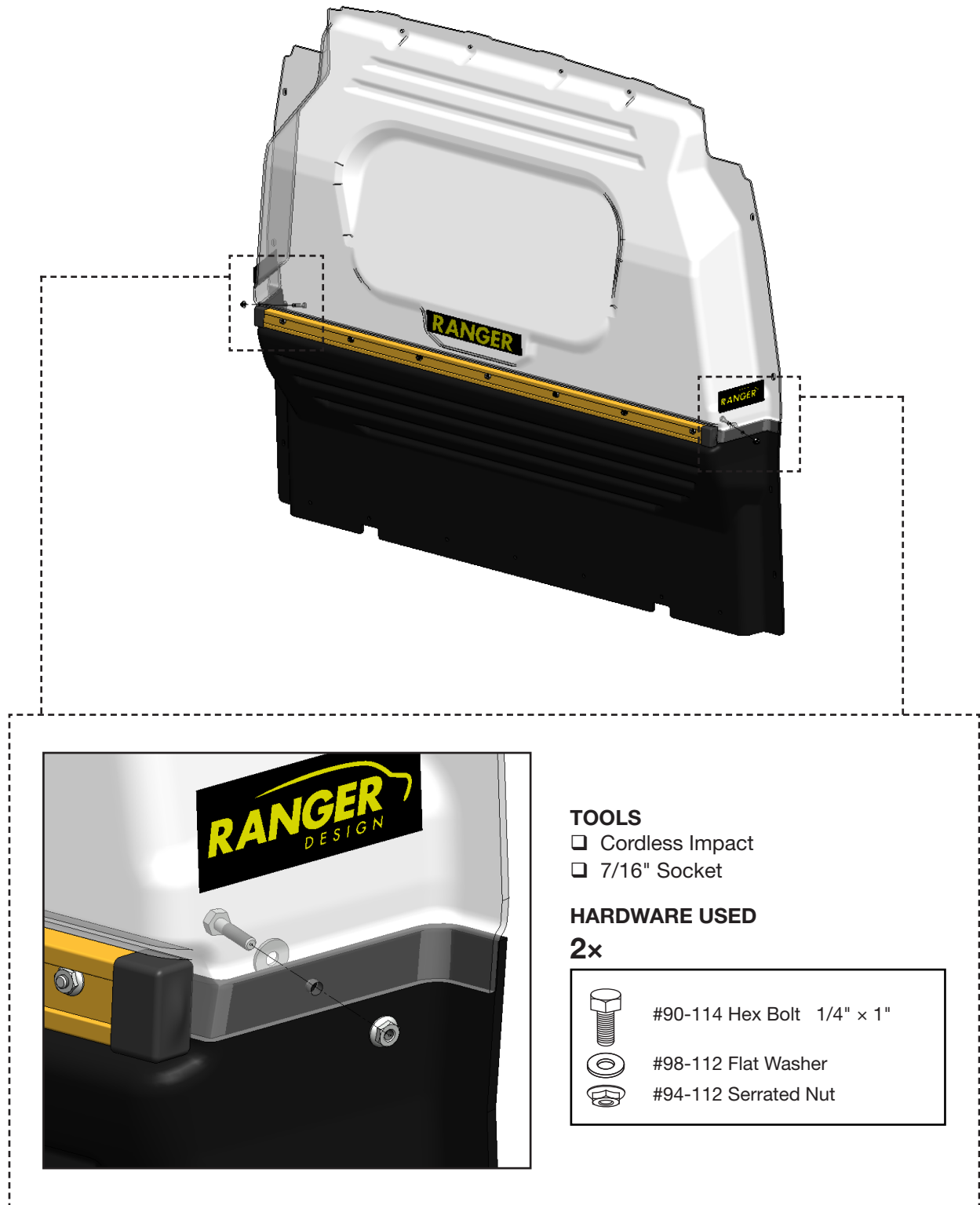


#98-112 Flat Washer



#94-112 Serrated Nut

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

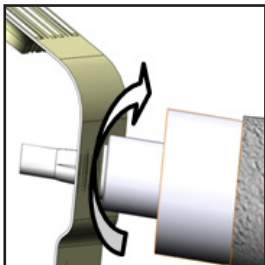


PHASE 2 – INSTALLATION

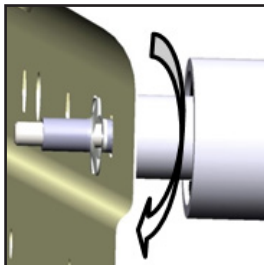
2.1 TIPS ON HOW TO ATTACH A PLUSNUT

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

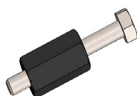


REVERSE

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

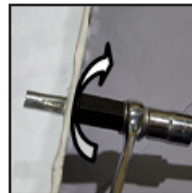
TIPS STEP 1:

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



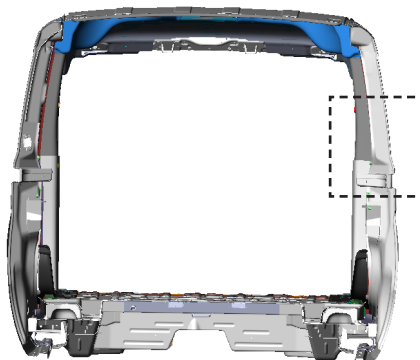
REVERSE

PHASE 2 – INSTALLATION

2.2 VEHICLE PREPARATION

2.2.1 Removing handle.

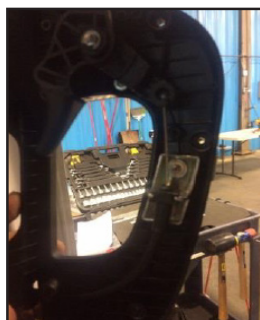
NOTE: If you are installing a Composite Partition and your Promaster City is supplied with an oversized sliding door handle, this handle must be removed in order for the door to close properly.



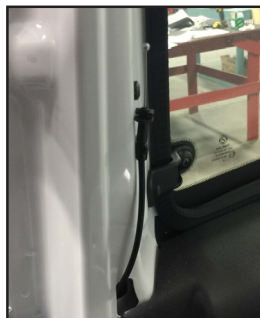
Separate the two halves of the handle exposing the two bolts at the top by removing the small philips screws and the bolt at the bottom.

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.



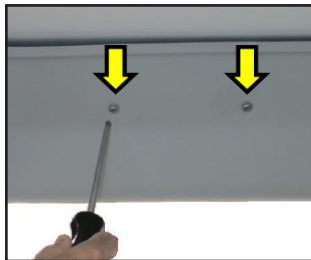
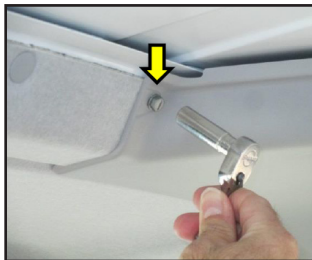
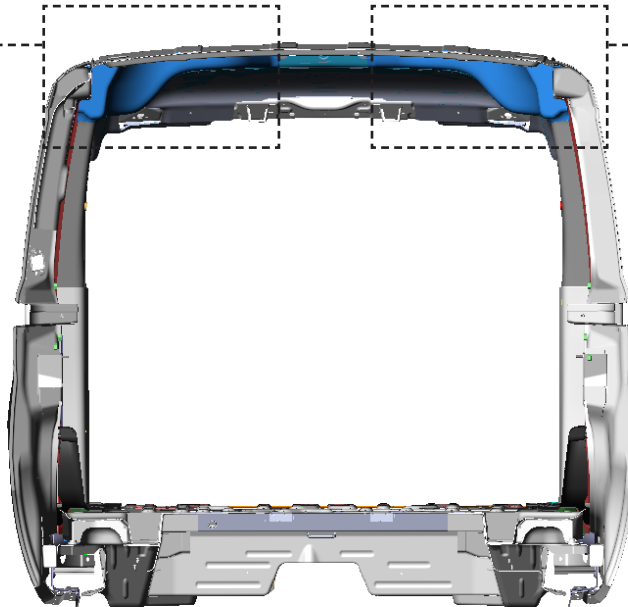
Tape or roll the cable.

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)

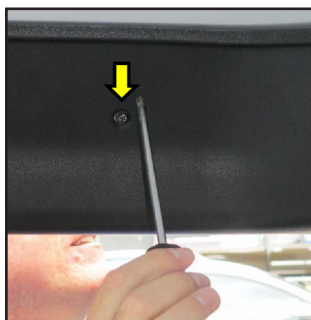


For the white cover, remove the two screws on the side and bolt on the front.

NOTE: Do these on both sides of the

TOOLS

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



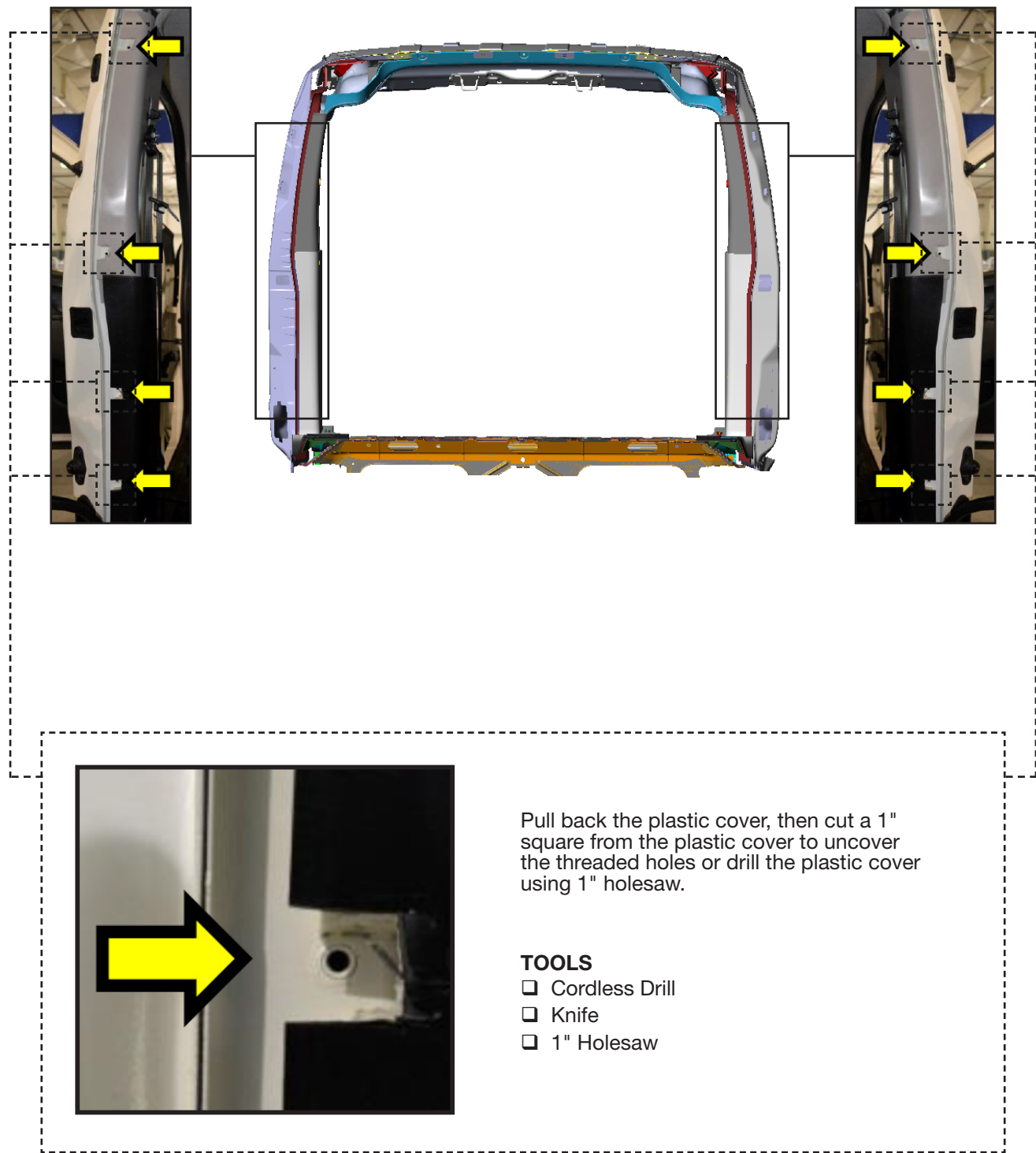
For the black cover, remove the screw on the side and bolt on the front.

NOTE: Do these on both sides of the

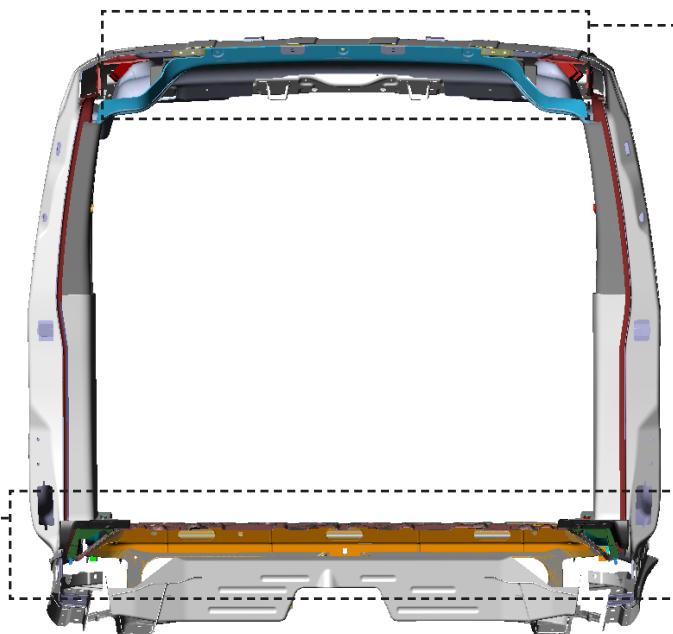
TOOLS

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

2.2.3 Driver and passenger sides preparation.

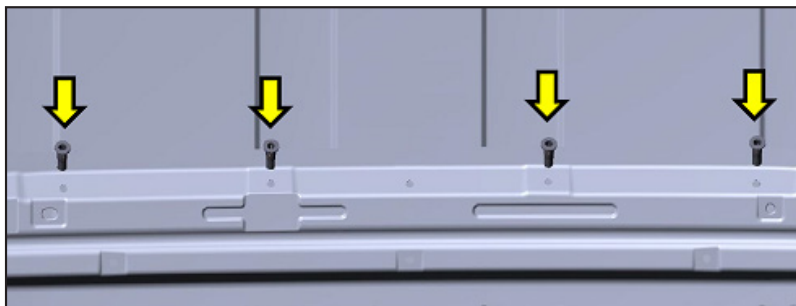


2.2.4 Ceiling and floor preparation.



Attach plusnut on these 4 holes.

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



TOOLS

- ☐ Plusnut Tool

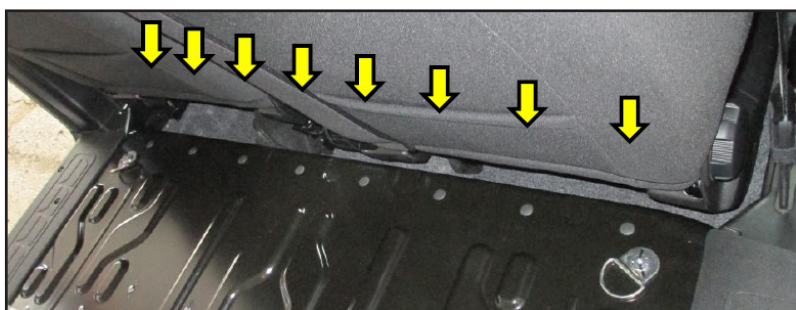
HARDWARE USED

4x



94-130
Plusnut .250

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



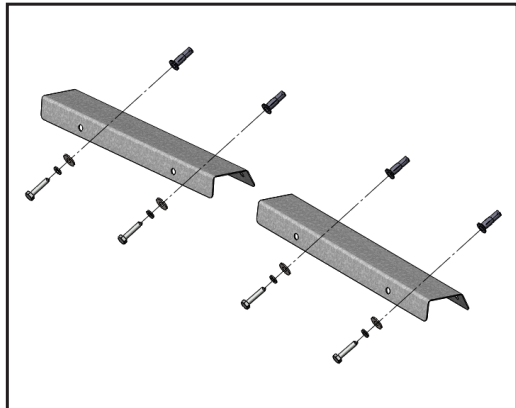
TOOLS

- ☐ Cordless Impact
- ☐ T40 Torque Bit

PHASE 2 – INSTALLATION

2.3 CONTOURED PARTITION INSTALLATION

2.3.1 Attach J - shapes and the floor brackets in the van.



TOOLS

- Cordless Impact
- 7/16" Socket

HARDWARE USED

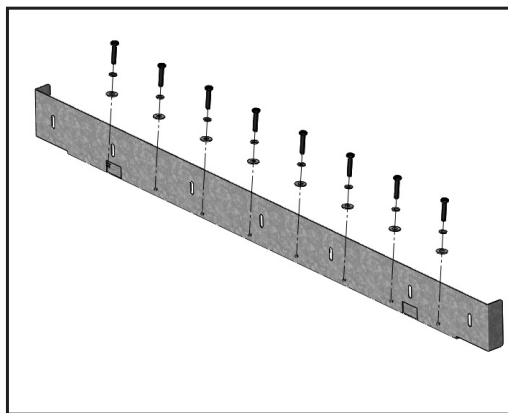
4x



#90-118 Hex Bolt 1/4" x 1-1/4"

#98-112 Flat Washer

#94-112 Serrated Nut



TOOLS

- Cordless Impact
- 13mm Socket

HARDWARE USED

8x

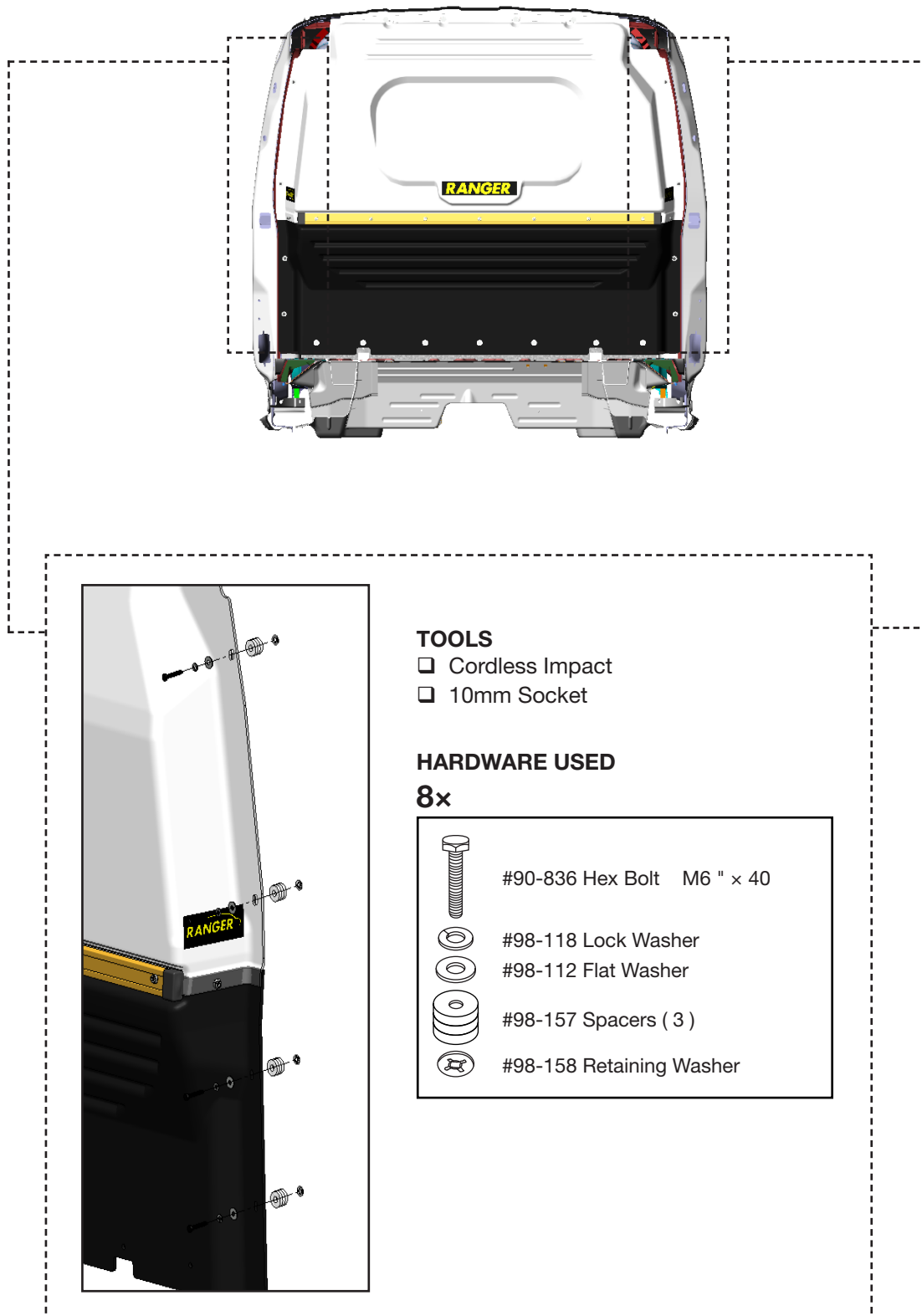


#90-668 Hex Bolt M8 x 40

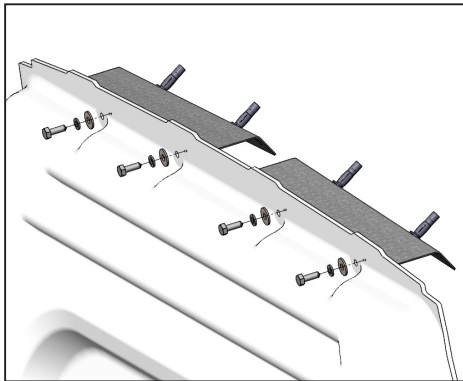
#98-122 Lock Washer

#98-116 Flat Washer

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



2.3.3 Attach the upper and lower panels to the J - shapes and floor brackets.



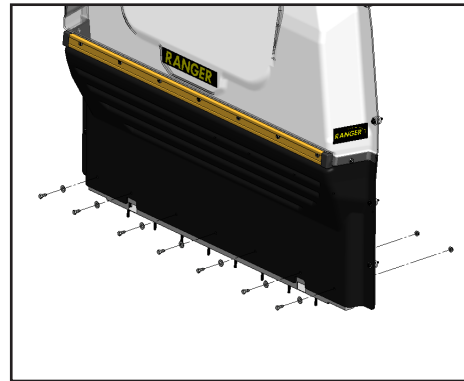
TOOLS

- ☐ Cordless Impact
- ☐ 7/16" Socket

HARDWARE USED

4x

- | | |
|---|------------------------------|
|  | #90-110 Hex Bolt 1/4" x 3/4" |
|  | #98-118 Lock Washer |
|  | #98-112 Flat Washer |



TOOLS

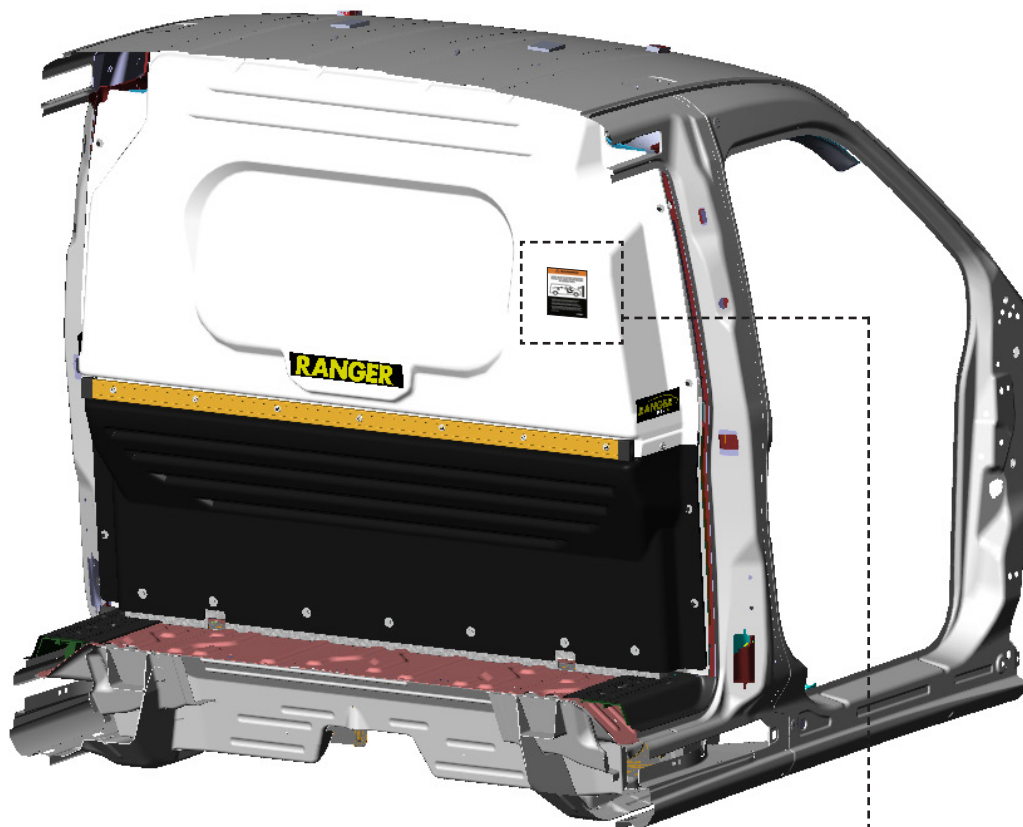
- ☐ Cordless Impact
- ☐ 1/2" Socket

HARDWARE USED

7x

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

2.3.4 Apply the warning label on the upper panel.



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



**“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)

