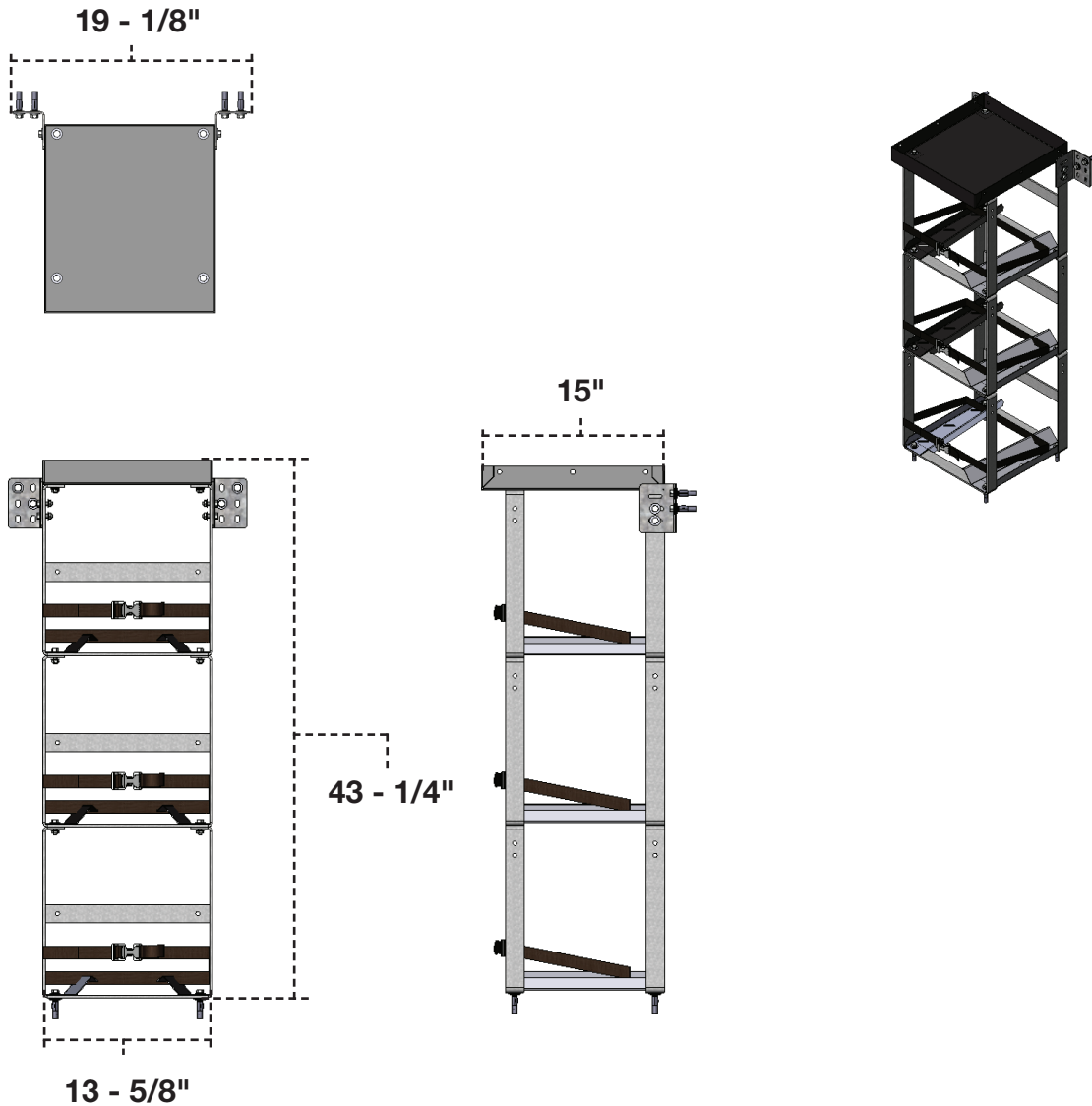


INSTALLATION GUIDE



6013-3 Steel Bottle Holder

Disclaimer:

Please ensure that the materials being transported conform to all local regulations. If vertical storage of tanks is required, alternate options are available.

Contact us at 1-800-565-5321 for more information.



Scan the QR for the latest Install-Guide.



Warnings

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 OCCURS WHILE USING ANY RANGER DESIGN PRODUCTS. THE FINAL ALTERER AND/OR MODIFIER SHOULD REVIEW THE WARNING SHEET WITH THE CUSTOMER BEFORE THE VEHICLE IS RELEASED TO THE CUSTOMER FOR GENERAL USE. THESE INSTRUCTIONS SHOULD REMAIN WITH THE VEHICLE AT ALL TIMES.

WARNINGS – Prior To Starting

- Ranger Design products must be assembled and installed by individuals qualified to use the tools required and have experience with similar products. If there is any question as to competence or experience, please contact a professional alterer or modifier.
- Failure to use Ranger Design-provided fasteners, brackets, and proper installation guidelines could increase risk of serious personal injury and/or death.
- 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 final alterer and/or modifier is responsible for ensuring all equipment is sufficiently secured to wall and floor structures or suitable anchorages.
- 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 Vehicle 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 which can be found on the Ranger Design website. (<https://rangerdesign.com>)
- Mounting rails and floors are strongly recommended for any attachment to the vehicle and can be found on the Ranger Design website. (<https://rangerdesign.com>)
- 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 must be followed to ensure correct operation. Failure to do so could invalidate the product's compliance and/or warranty and cause injury.
- The final stage vehicle alterer and/or modifier is responsible for the integration, installation, and compliance of the product in its final location with all applicable regulations and standards. Failure to maintain compliance of the vehicle with applicable regulations and standards could be punishable by law. Alterers and/or modifiers should consult with all local authorities prior to commissioning.

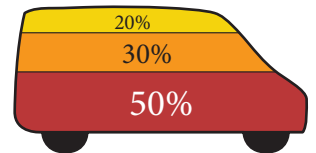
- Any materials, padding, or glazing installed in the vehicle must comply with FMVSS/CMVSS 201/205/302, as applicable.

WARNINGS – Prior To Drilling

- Improper drilling can cause property damage to vehicles and could lead to electric shock, fire, or even death.
- 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).
- Ensure that you will not hit any critical parts of the vehicle like the gas tank, wiring harnesses, or hoses. Consult the vehicle's OEM documentation as necessary. When drilling, use a drill collar to reduce the risk of damage to the vehicle.

WARNINGS – Prior To Operating Vehicle

- 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 guidelines shown here.
- Check your vehicle's tare weight and remaining load capacity with all 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.
- All items in the cargo area should be properly secured and partition doors closed while the vehicle is in motion.
- All system components should be regularly inspected, cleaned, and maintained pursuant to Ranger Design guidelines.



WARNING – In Event Of An Accident

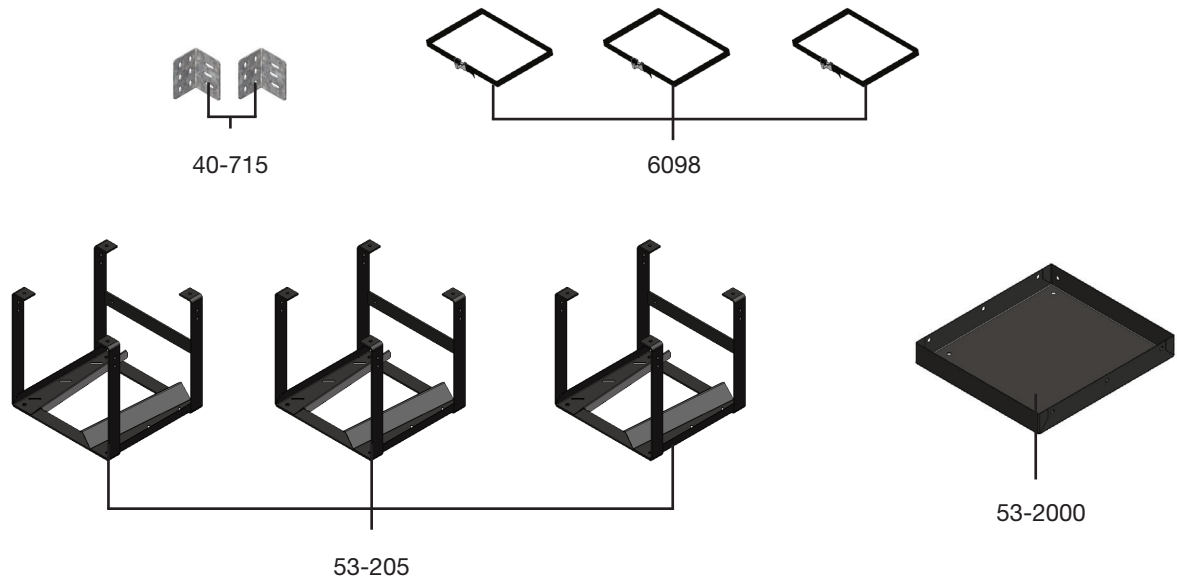
- In the event of a motor vehicle accident or collision where a Ranger Design system has been installed, especially ones where the vehicle's structure has been damaged and/or the air bags have deployed and/or the vehicle has been towed, the system must be inspected to ensure continued soundness and safety before returning the vehicle to service. Damaged components should be replaced as necessary.

 FR: Si vous avez besoin de ces instructions en français, s'il vous plait contacter notre service à la clientèle. +1-800-565-5321

 ES: Si necesita estas instrucciones en español, comuníquese con el Servicio de atención al cliente de Ranger Design. +1-800-565-5321

PHASE 1 – ASSEMBLY

1.1 SETUP



1.1.1 Verify all parts are present.

Item No.	Description	Qty.
6098	Black Strap	3
40-715	Bracket	2
53-2000	Top Tray	1
53-205	Steel Bottle Holder	3
94-6033	Customer Assembly Fastener Kit	1
96-6033	Customer Install Fastener Kit	1

1.1.2 Fastener kits.




94 - 6033 Fastener Kit



Fastener Assembly

- 16x  # 90-208 Hex Bolt
5/16"-18 x 1"
GR-5 ZINC
- 16x  # 94-116 Serrated Nut
5/16"-18
ZINC
- 16x  # 98-116 Flat Washer
5/16", O.D. 7/8"
ZINC

16x

-  #90-208 Hex Bolt 5/16" x 1"
-  #98-116 Flat Washer
-  #94-116 Serrated Nut





96 - 6033 Fastener Kit








Fastener Assembly

- 4x  # 90-212 Hex Bolt
5/16"-18 x 1-1/4"
GR-5 ZINC
- 4x  # 90-011 Hex Bolt
5/16"-18 x 1-3/4"
GR-5 ZINC
- 8x  # 94-132 Plusnut
- 8x  # 98-116 Flat Washer
5/16", O.D. 7/8"
ZINC
- 8x  # 98-122 Lock Washer
5/16"
ZINC
- 12x  # 98-157 Spacer
0.375" ID, x 1.0" OD x 0.25" LONG
NYLON





4x FOR VEHICLE WALL INSTALL

-  #90-212 Hex Bolt 5/16" x 1-1/4"
-  #98-122 Lock Washer
-  #98-116 Flat Washer
-  #94-132 5/16" Plusnut

4x

-  #90-011 Hex Bolt 5/16" x 1-3/4"
-  #98-122 Lock Washer
-  #98-116 Flat Washer
-  #98-157 Spacers
(QTY = GAP BETWEEN FLOOR AND END PANEL)
-  #94-132 5/16" Plusnut

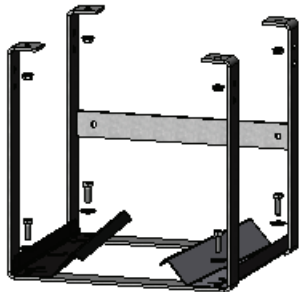
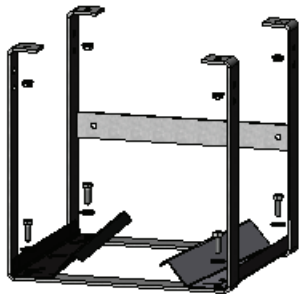
4x FOR SHELVING SIDE PANEL INSTALL

-  #90-212 Hex Bolt 5/16" x 1-1/4"
-  #98-116 Flat Washer
-  #98-157 Spacers (2x)
-  #94-116 Serrated Nut
(USE THE ONE FROM 94-6033)

PHASE 1 – ASSEMBLY

1.2 BOTTLE HOLDER ASSEMBLY

1.2.1 Assemble the steel bottle holder as shown.



TOOLS

- Cordless Impact
- 1/2" Socket

HARDWARE USED

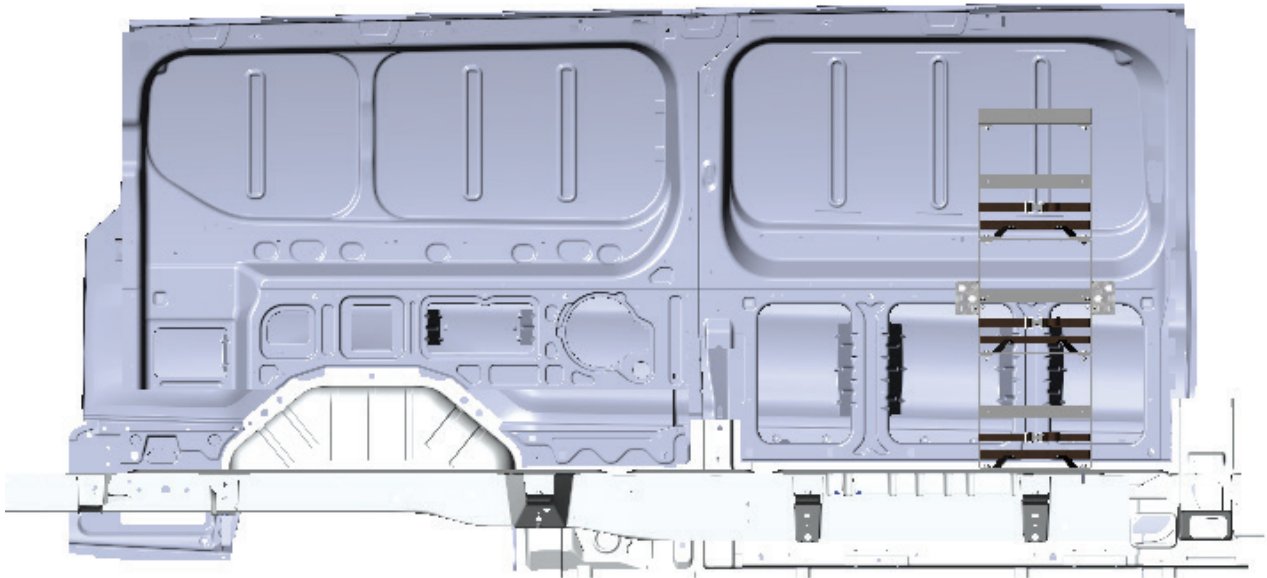
12x HAND-TIGHTEN THE BOLTS

	#90-208 Hex Bolt 5/16" x 1"
	#98-116 Flat Washer
	#94-116 Serrated Nut

PHASE 2 – INSTALL

2.1 BOTTLE HOLDER INSTALLATION WITH BRACKET

- 2.1.1
- Lift the assembled bottle holder to the vehicle, then put it in place.
 - Attach the bracket to the bottle holder aligning the brackets to the horizontal rim of the vehicle.






BRACKET HORIZONTAL RIM

NOTE: You can drill holes in steel bottle holder for bracket if needed.

HARDWARE USED

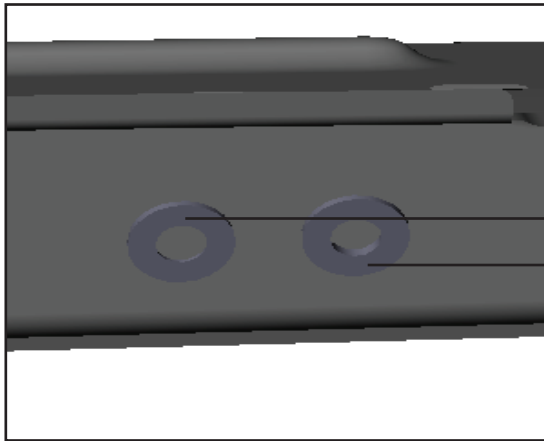
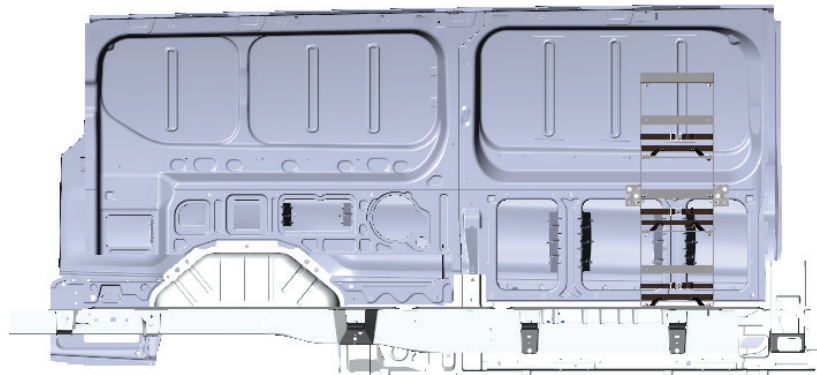
4x HAND-TIGHTEN THE BOLTS

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

- 2.1.2**
- After attaching the brackets mark the holes on the brackets and the 4 holes on the bottom bottle holder to the vehicle.
 - Lift the assembled shelf on the side.
 - Drill all the marks using 1/2" drill bit w/ drill collar, then attach plus nuts to the holes.

NOTE: Use 1/2" drill bit with drill collar to stop drill at 1/2" depth.

WARNING: Before drilling, ensure that you will not hit any critical parts of the vehicle like the **Gas tank, Wiring Harness and Hose.**



PLUSNUT

Drill all the marks then, attach plus nuts to the holes.

TOOLS

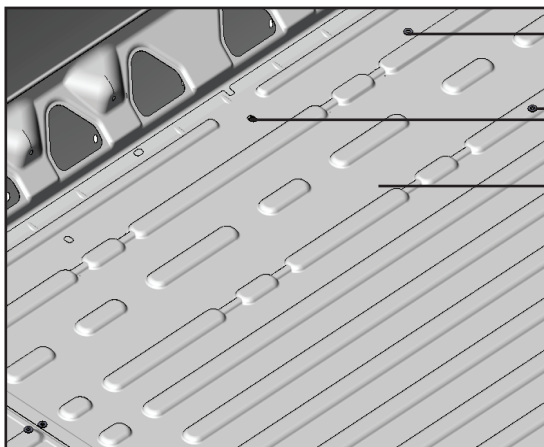
- Cordless Drill
- 1/2" Drill Bit w/ Drill Collar (Set at 1/2")
- Plus Nut Tool (5/16")

HARDWARE USED

8x



#94-132 Plus Nut

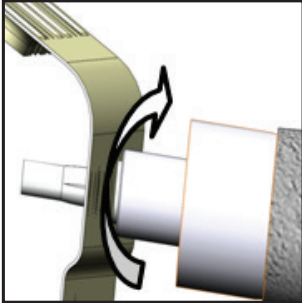


DRILL COLLAR
(SET AT 1/2")

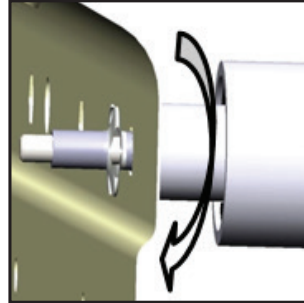
TIPS: How to attach plus nut.

• **USING PLUSNUT GUN**

STEP: Put the plusnut on the plusnut gun, then attach the plus nut in the hole by turning the gun forward until the plus nut locks, then remove the gun by turning in reverse.



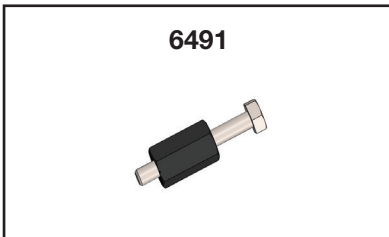
FORWARD





REVERSE

• **USING THE 6491 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.





HARDWARE USED


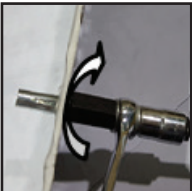
-  Flat washer 5/16"
-  Flat washer 5/16" BS x 7/8" OD

- TOOLS**
- Cordless Impact
 - 1/2" Socket
 - 9/16" Wrench

STEP 1:
Assemble the 6491 plusnut tool with the hardware needed, plus nut and the 9/16" wrench as shown.

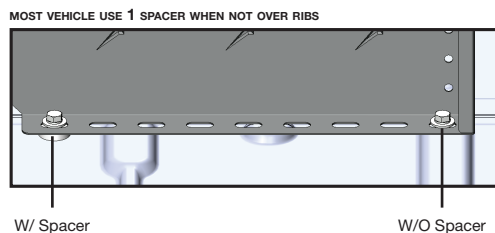
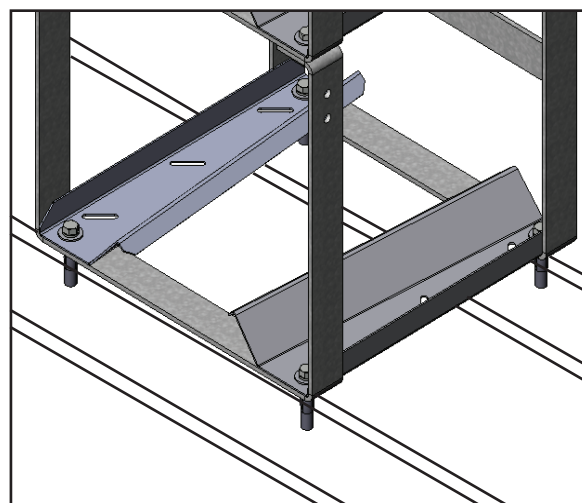
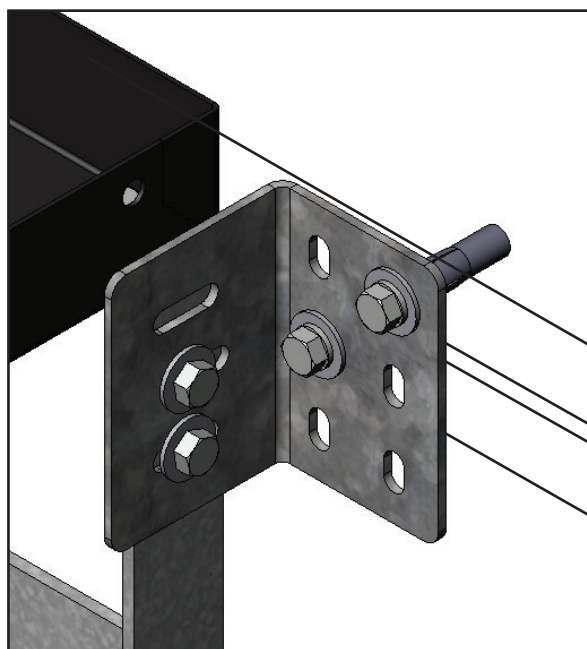
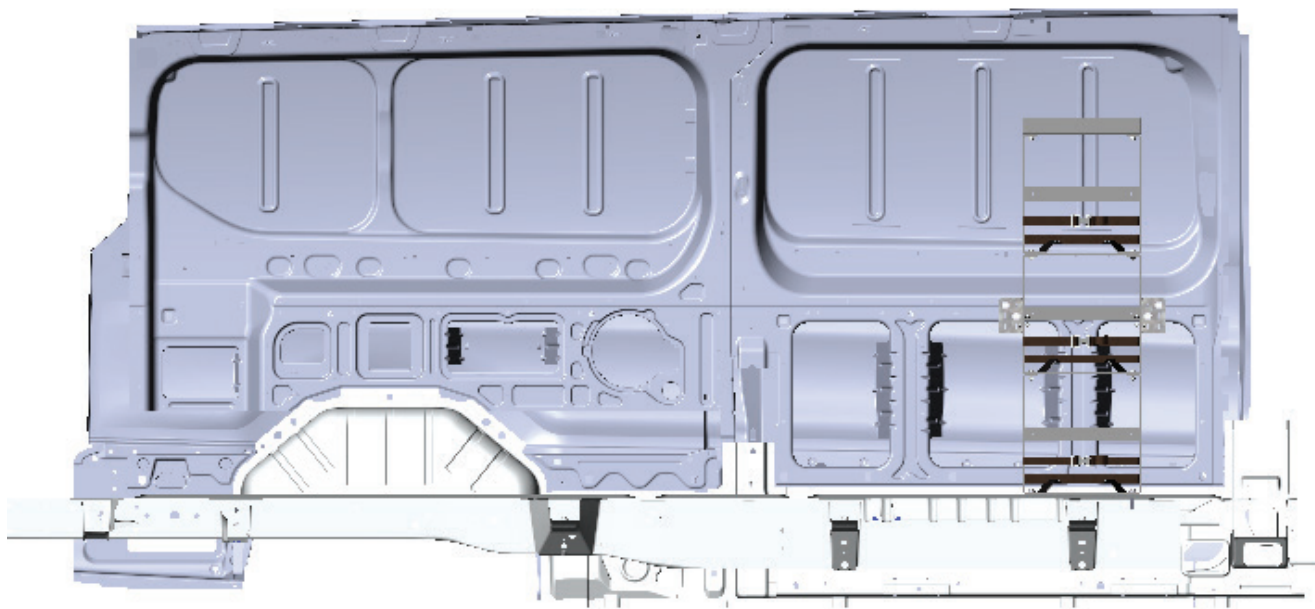


STEP 2:
Attach the plus nut in the hole by turning the bolt forward using an impact with a 1/2" socket until the plusnut locks, then remove the bolt by turning the impact in reverse.



FORWARD **REVERSE**

2.1.3 Put the assembled bottle holder back in place aligning the holes to the plusnuts, then install the bottle holder to the plus nuts.

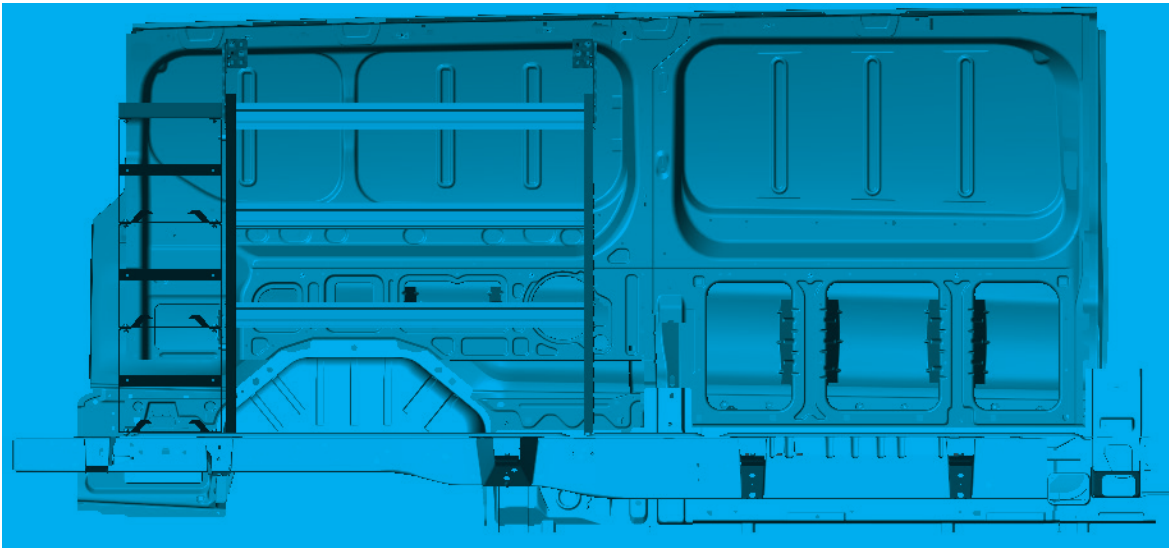


PHASE 2 – INSTALL

2.2 BOTTLE HOLDER INSTALLATION IN SHELVING SIDE PANEL

- 2.2.1**
- Put the steel bottle holder in place, then follow STEP 2.1.2 for floor mounting (attaching plusnut).
 - After attaching the plusnut to the floor attach the bottle holder on the shelving side panel and vehicle floor.





NOTE: This step show how to attach the side of the steel bottle holder to the shelving side panel, don't forget that you still need to attach the steel bottle holder to the floor using plusnut (STEP 2.1.2 TO 2.1.3).



NOTE: You can drill holes in shelving side panel if needed.

HARDWARE USED

4x


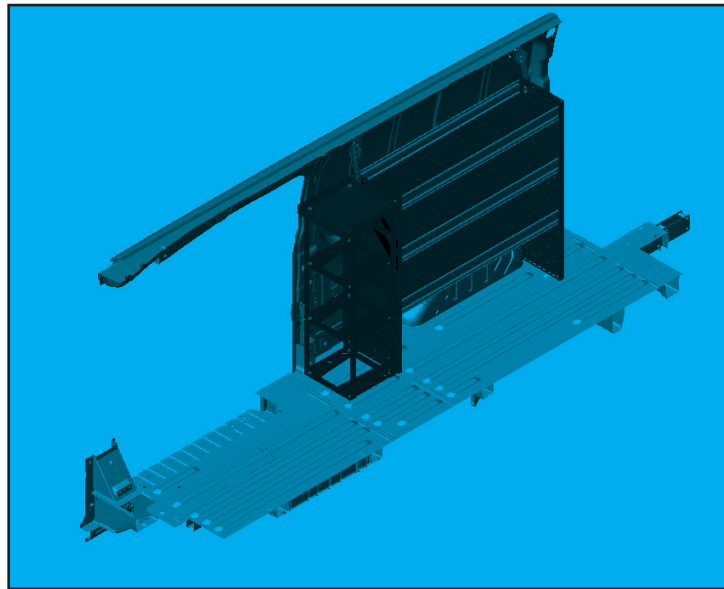
	#90-212 Hex Bolt 5/16" x 1-1/4"
	#98-116 Flat Washer
	#98-157 Spacers (2x)
	#94-116 Serrated Nut (USE THE ONE FROM 94-6033)

PHASE 2 – INSTALL

2.3 BOTTLE HOLDER INSTALLATION FACING IN THE CAB

- 2.3.1**
- Put the steel bottle holder in place, then follow STEP 2.1.2 for floor mounting (attaching plusnut).
 - After attaching the plusnut to the floor attach the bottle holder on the shelving side panel and vehicle floor.





NOTE: This step show how to attach the side of the steel bottle holder to the shelving side panel, don't forget that you still need to attach the steel bottle holder to the floor using plusnut (STEP 2.1.2 TO 2.1.3).



NOTE: You can drill holes in shelving side panel if needed.

HARDWARE USED

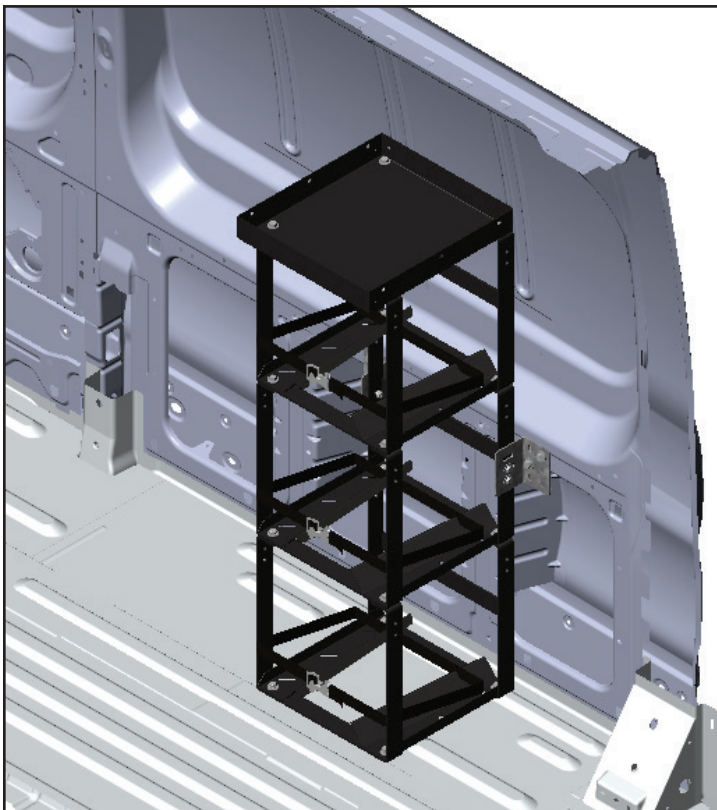
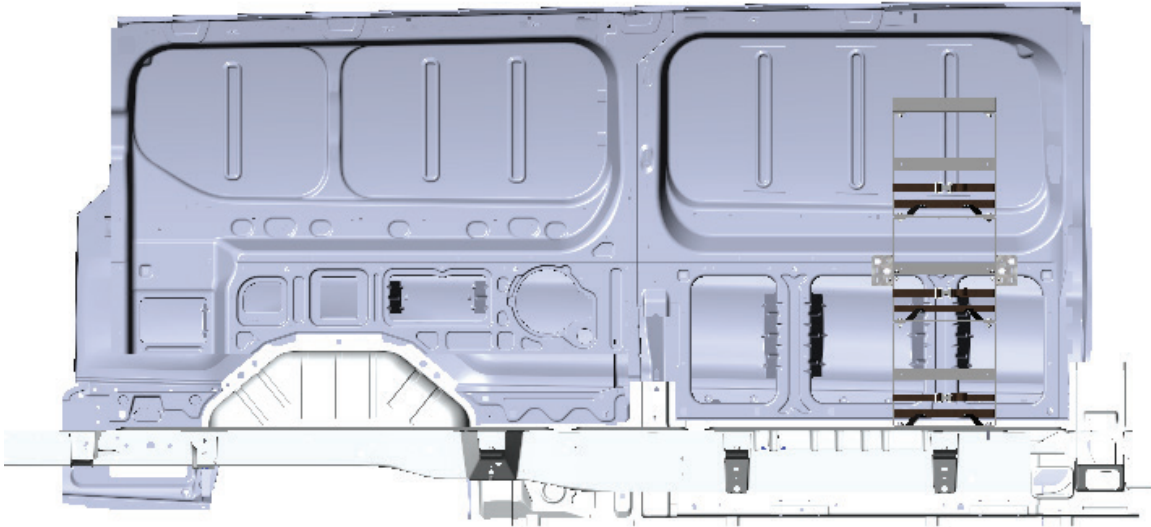
4x

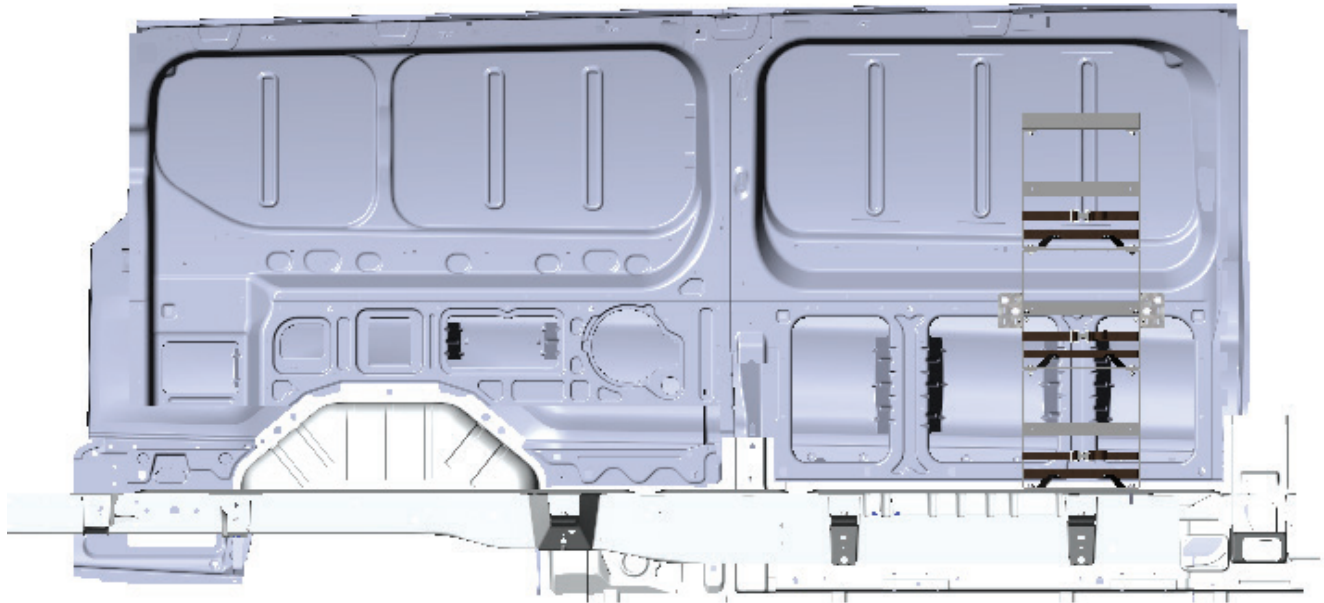
	#90-212 Hex Bolt 5/16" x 1-1/4"
	#98-116 Flat Washer
	#98-157 Spacers (2x)
	#94-116 Serrated Nut (USE THE ONE FROM 94-6033)

PHASE 2 – INSTALL

2.4 BOTTLE HOLDER INSTALLATION FACING IN THE CAB

2.4.1 After installation is complete attach the strap on the bottle holder as shown.





**“You have successfully installed your
Steel Bottle Holder**

Thank you for doing business with us.”

For any feedback or suggestions you may have, please contact: cs@rangerdesign.com

