

Owner's Manual

6550-BZS

This Owner's Manual provides assembly, install and user guidance. It applies to all **6550-BZS** sold by Ranger Design. For a list of compatible models, visit our website at rangerdesign.com.

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6550-BZS
as shown



Scan the QR code for the latest Installation Guide. For more information, visit rangerdesign.com.



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.

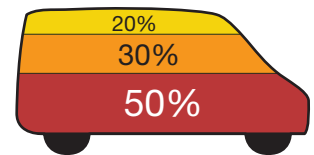
- Any materials, padding, or glazing installed in the vehicle must comply with FMVSS/CMVSS 201/205/302, as applicable.

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.



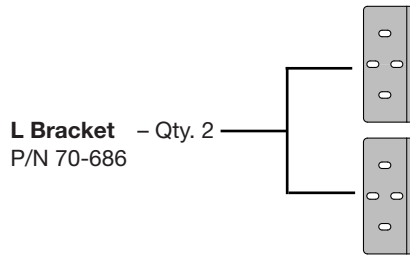
WARNING – In Event Of An Accident

- 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.

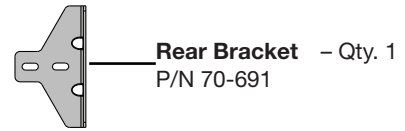
 FR: Si vous avez besoin de ces instructions en français, s'il vous plait contacter notre service à la clientèle. +1-800-565-5321

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

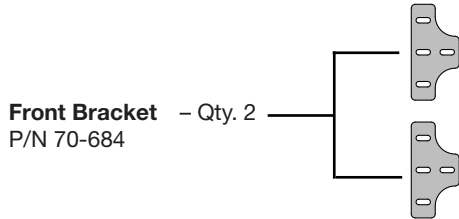
Parts Included



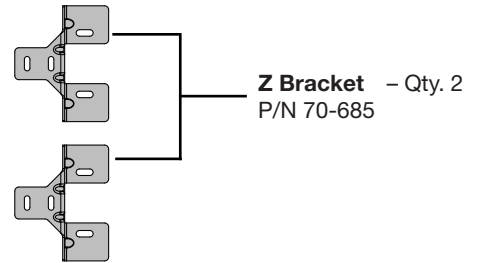
L Bracket - Qty. 2
P/N 70-686



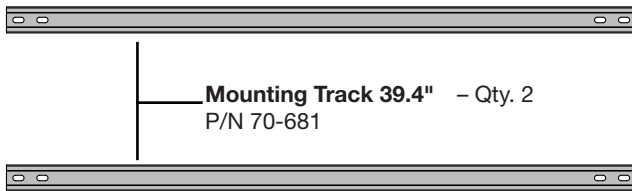
Rear Bracket - Qty. 1
P/N 70-691



Front Bracket - Qty. 2
P/N 70-684



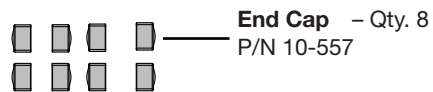
Z Bracket - Qty. 2
P/N 70-685



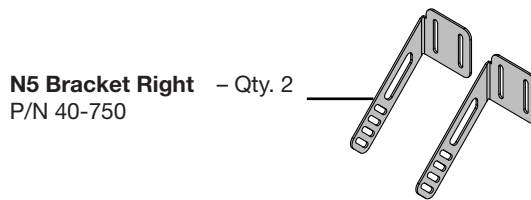
Mounting Track 39.4" - Qty. 2
P/N 70-681



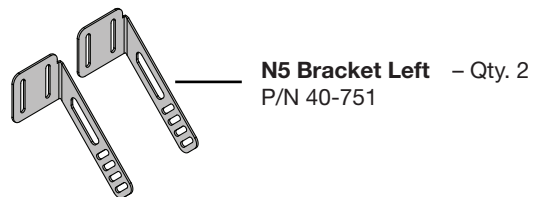
Mounting Track 75.75" - Qty. 2
P/N 70-790



End Cap - Qty. 8
P/N 10-557



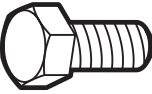
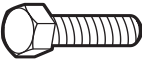
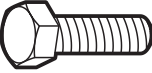


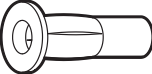




N5 Bracket Right - Qty. 2
P/N 40-750



N5 Bracket Left - Qty. 2
P/N 40-751

Parts Included

Fastener Kit Content

Part	P/N & Description	P/N 96-6550 Qty.
	P/N 90-108 Hex Bolt 1/4"-20 x 1/2" GR-5 ZINC	2
	P/N 90-114 Hex Bolt 1/4"-20 x 1" GR-5 ZINC	26
	P/N 90-204 Hex Bolt 5/16"-18 x 0.75" GR-5 ZINC	8
	P/N 94-112 Serrated Nut 1/4" ZINC	2
	P/N 94-116 Serrated Nut 5/16"-18 ZINC	8
	P/N 94-130 PlusNut 1/4-20" ZINC	26
	P/N 94-150 Channel Nut 5/16" ZINC	16
	P/N 98-112 Washer Flat 1/4", 3/4" OD ZINC	28
	P/N 98-116 Washer Flat 5/16", 7/8" OD ZINC	8
	P/N 98-118 Washer Lock 1/4" ZINC	26

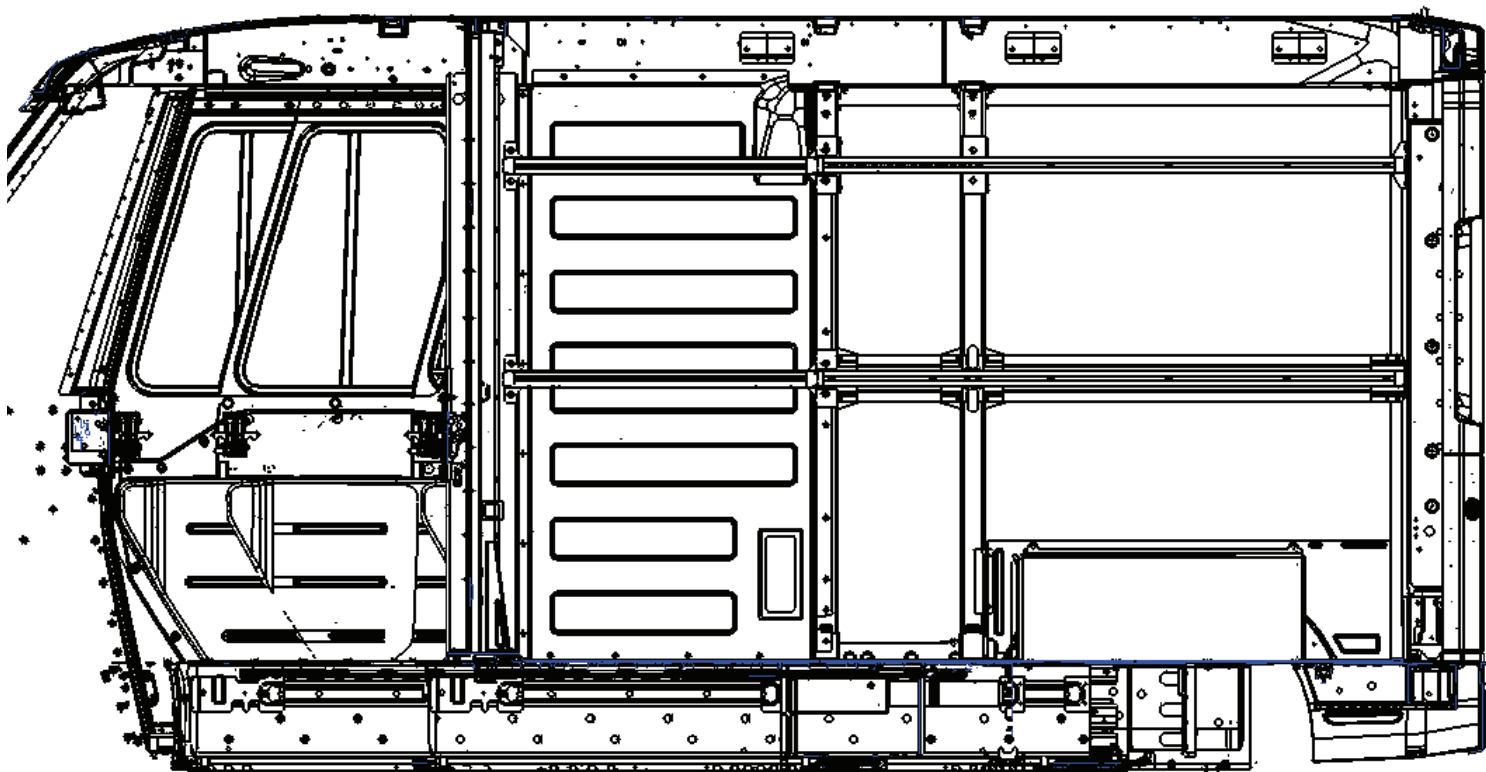
Tools Required (Not Included)

- Impact Driver
- Drill
- Tape Measure
- Marker
- 7/16" Socket
- 7/16" Wrench
- 1/2" Socket
- 1/2" Wrench
- 3/8" Drill Bit w/ Drill Collar
- Plusnut Tool
- Knife / Cutter

Assembly Reference

FRONT

REAR



■ **NOTE:**

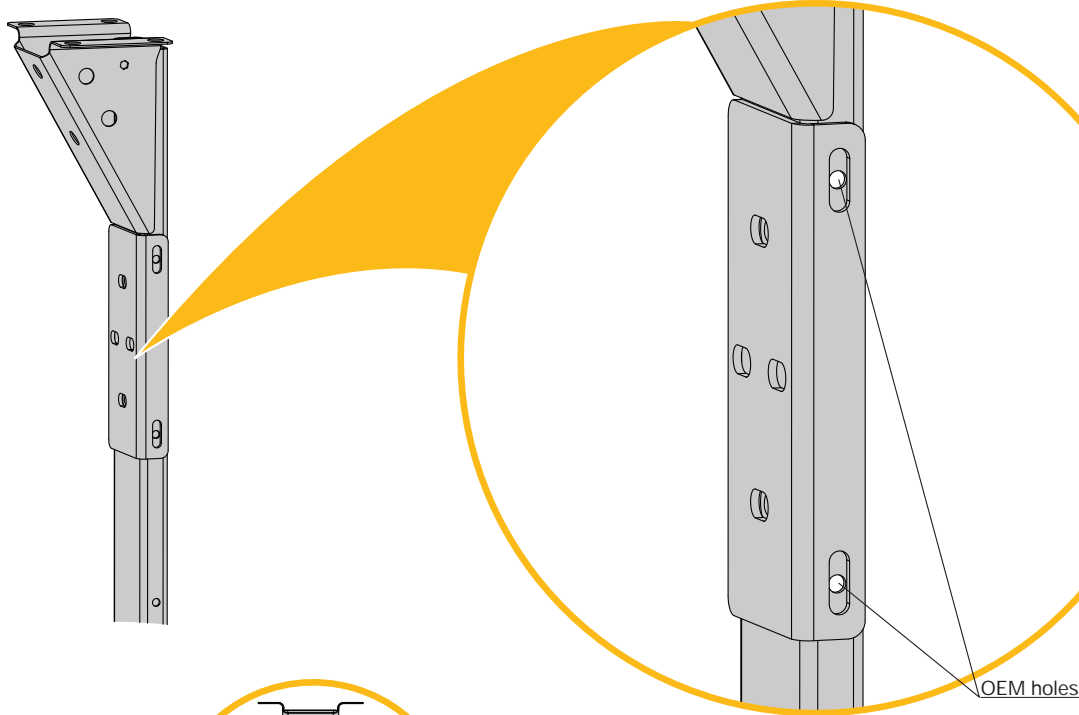
- The Mounting Track installs on either the driver or passenger side.
- We highly recommend installing the mounting track with Ranger floor 6541-BZS for optimal performance.

Assembly

STEP 1 Top rear mounting track installation.

- a. Align the brackets on the three posts inside the van, ensuring they are level with each other. Use the OEM holes as reference points for placement. If necessary, enlarge the OEM holes to fit the 1/4" plusnut.
- b. Center the oblong holes on the van posts and mark the drilling points.

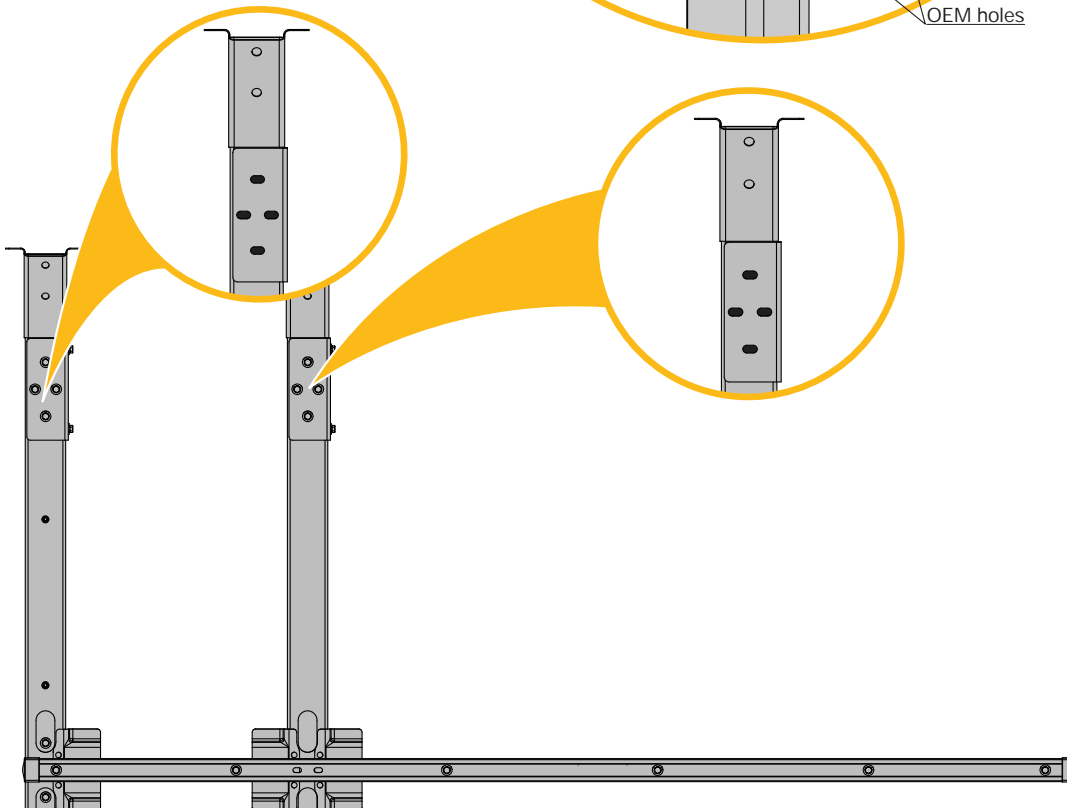
A.



TOOLS

- Cordless Drill
- 3/8" Drill Bit
- Marker

B.



Assembly

STEP 2 Assemble using Ranger provided hardware.

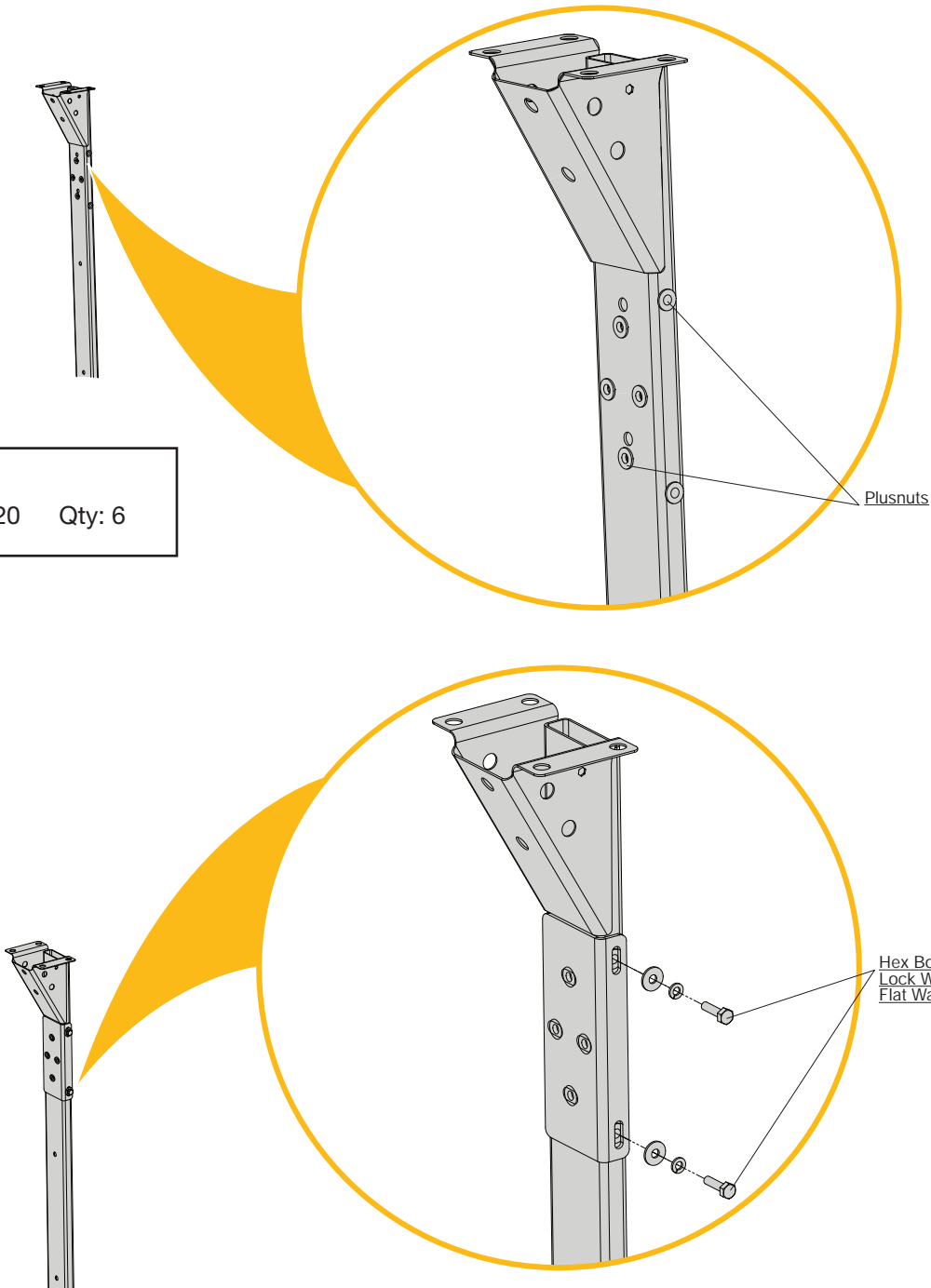
- a. Drill the marked points on the van posts. Once drilled, secure the plusnuts into place.
- b. Attach the brackets to the posts, ensuring they are firmly secured from side only.

TOOLS

- Cordless Drill
- Plusnut Tool
- 3/8" Drill Bit
- 7/16 Socket
- Impact Driver

HARDWARE

Plus Nut 1/4"-20 Qty: 6



HARDWARE

Hex Bolt 1/4"-20 x 1" Qty: 6
Lock Washer 1/4" Qty: 6
Flat Washer 1/4", 3/4" Qty: 6

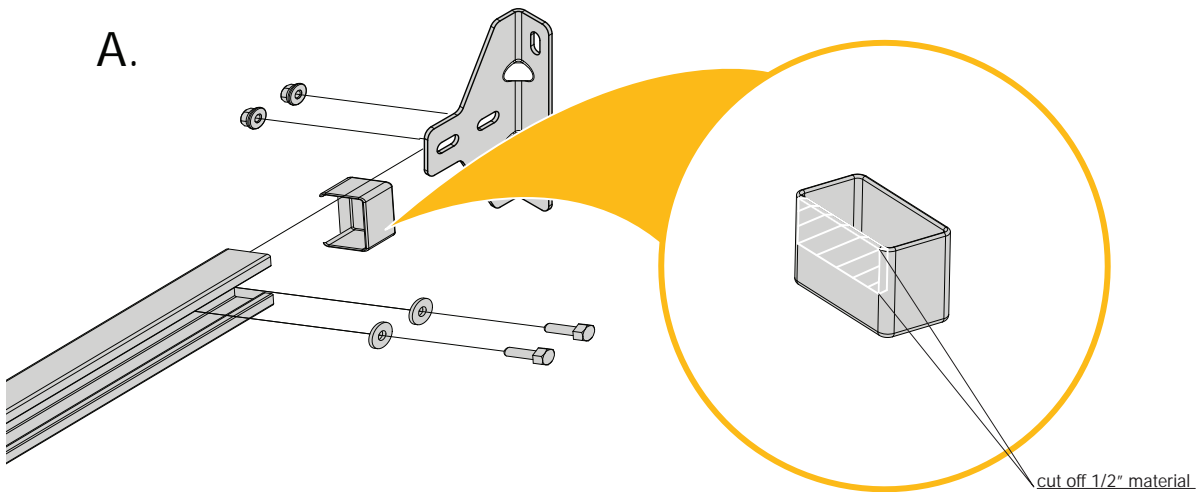


**Torque to
8 ft-lbs.**

Assembly

STEP 3 Rear bracket and mounting rail assembly.

- a. Assemble rear bracket to rear mounting rail using Ranger provided hardware.
- b. Place the assembled rear mounting rail onto the post, aligning it with the brackets on the post. Mark the drilling points on the rear wall of the van.



TOOLS

- 7/16 Wrench
- 7/16 Socket
- Impact Driver
- Knife/cutter
- Marker
- Cordless Drill
- 3/8" Drill Bit

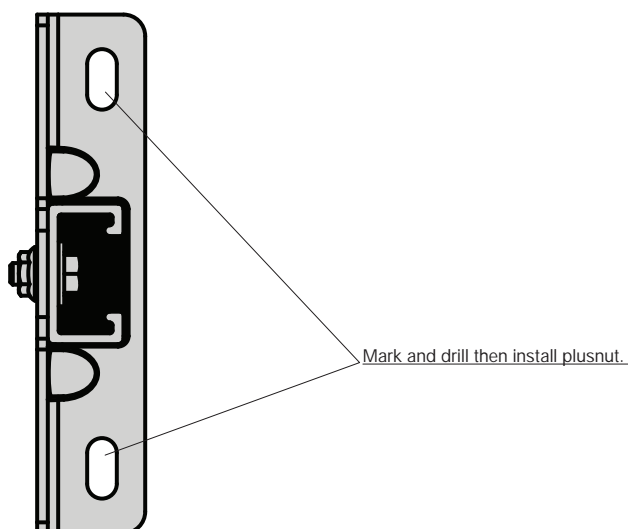
HARDWARE

Carriage Bolt 5/16"-20 × 5/8" Qty: 4
Serrated Nut 5/16"-20 Qty: 4



**Torque to
8 ft-lbs.**

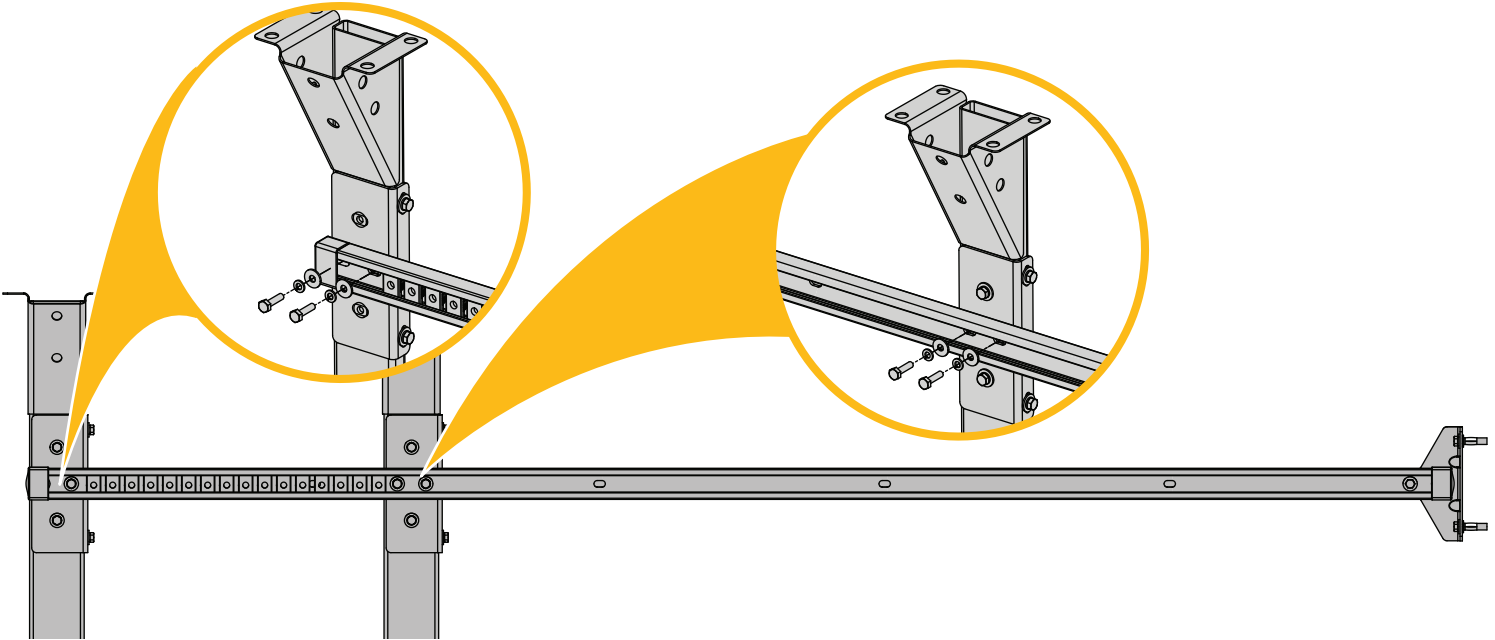
B.



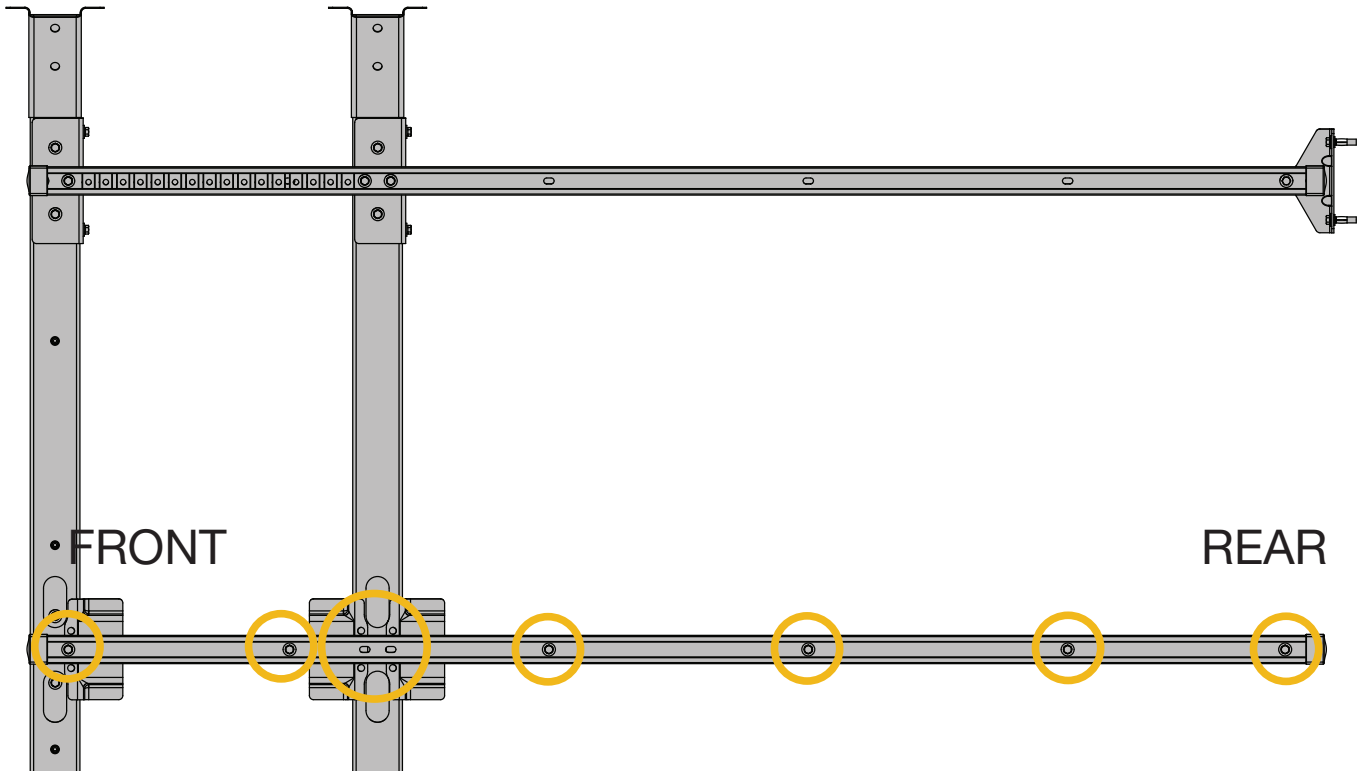
Assembly

STEP 4 Mounting track installation.

- a. Attach 2 top mounting rails and 4 brackets together to complete the top rear mounting track installation.



- b. Attach an end cap to one side of the mounting tracks.
- c. Position the mounting tracks on the OEM horizontal channel inside the van and mark the spots where holes need to be drilled.
- d. Install plusnuts at the marked locations, then secure the two middle mounting tracks in place.

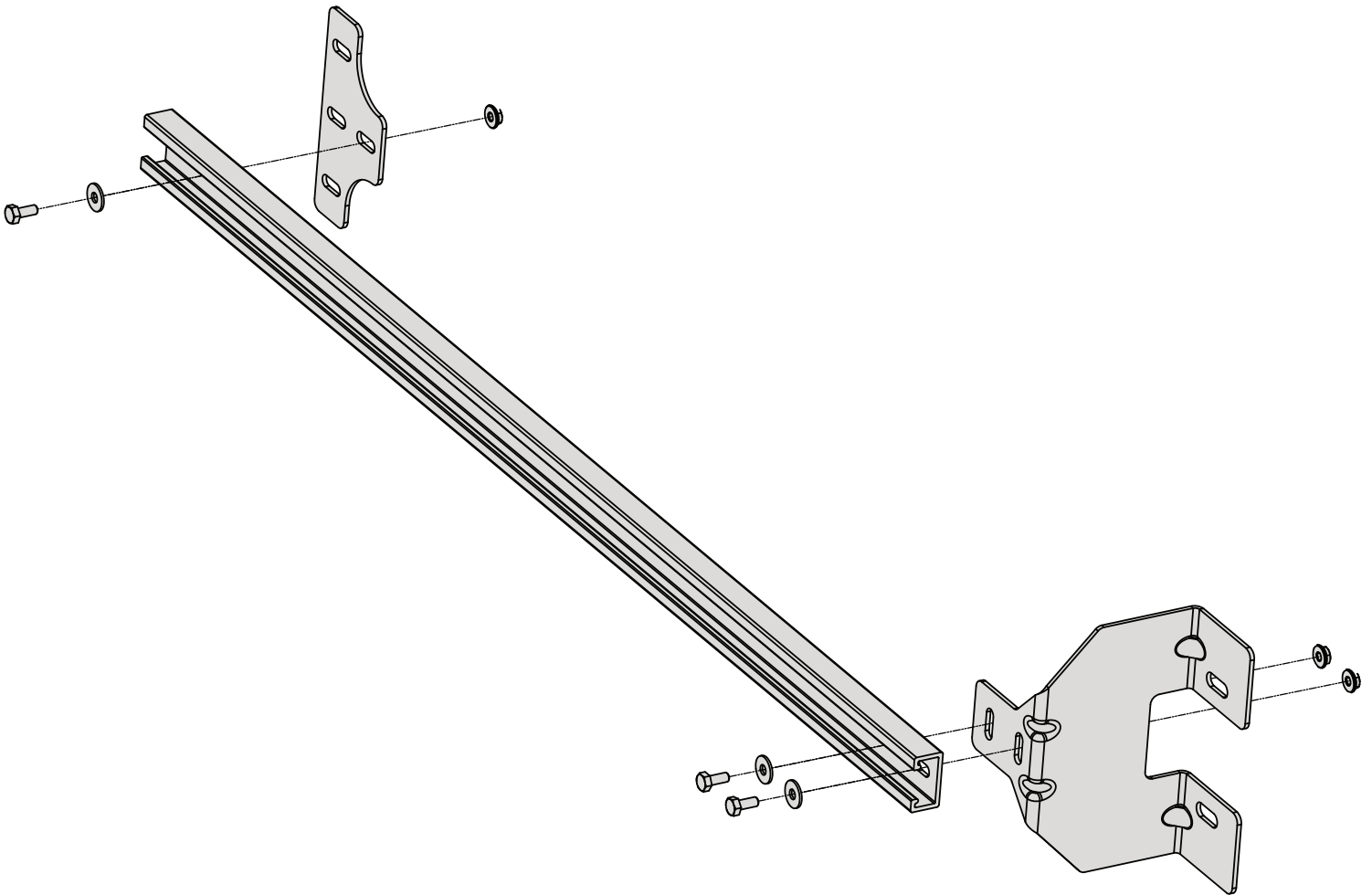


Installation

STEP 5 Front (Door Pocket) mounting track installation

NOTE:

- Make sure the sliding door is closed when drilling this area.
- Assemble the rear bracket to the the rear mountaing rail using Ranger provided hardware.



HARDWARE

Hex Head Bolt 1/4"-20 x 5/8"	Qty: 3
Flat Washer 1/4", 3/4"	Qty: 3
Serrated Nut 1/4"-20	Qty: 3

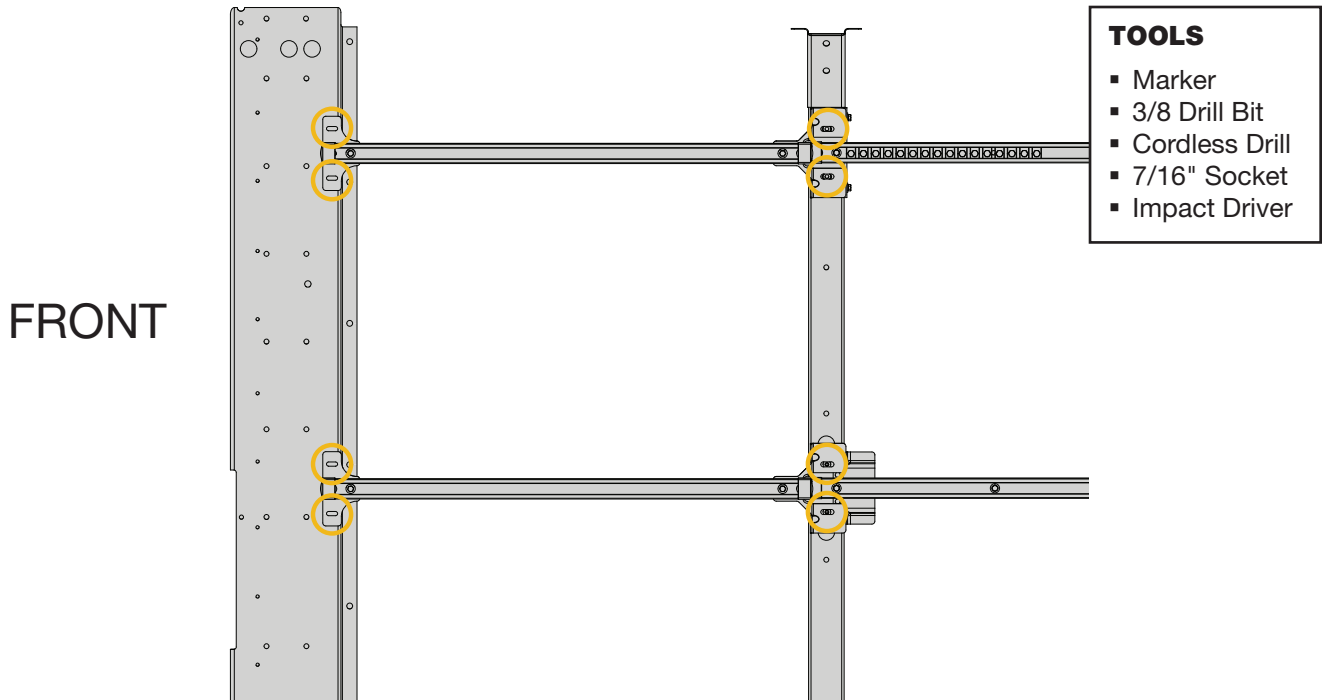


**Torque to
8 ft.-lbs.**

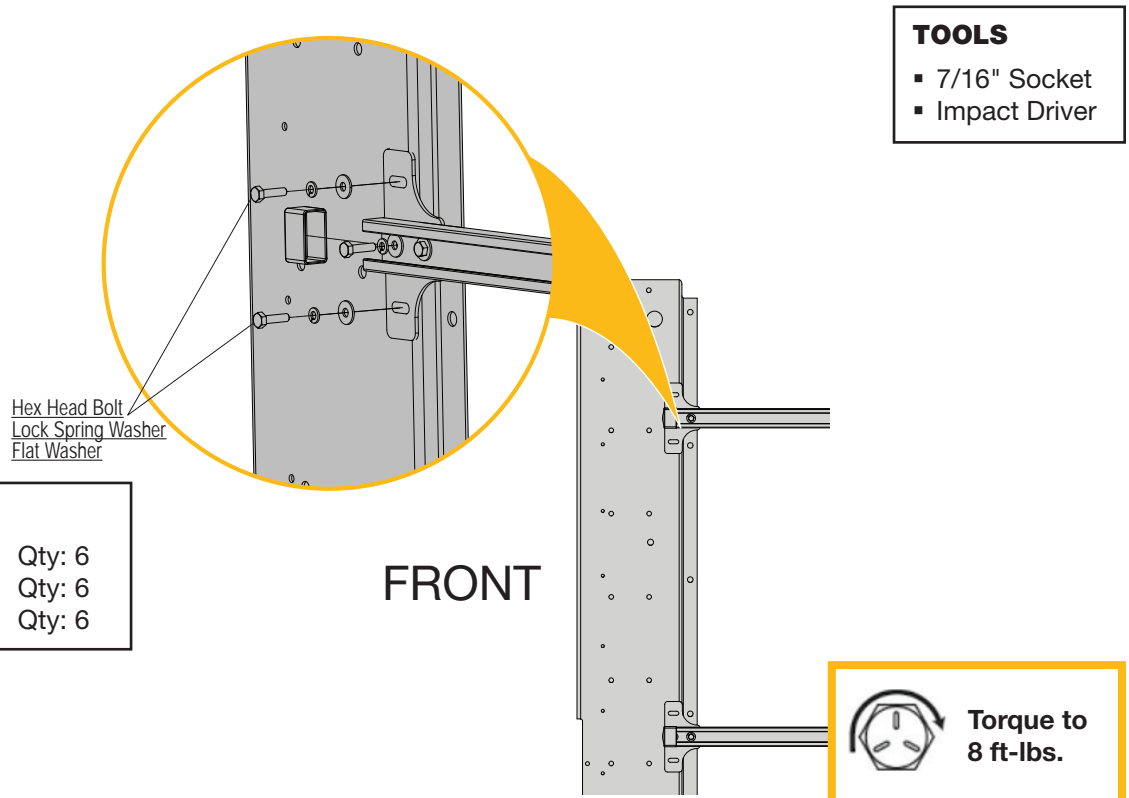
Installation

STEP 6 Front mounting rack installation.

- a. Place the assembled rear mounting rail into the post, aligning it with the brackets on the post. Mark the drilling points on the front pillar of the van. Drill the mark points, then secure the plusnuts to the van.



- b. Firmly attach the front mounting rail sub assembly to the plusnuts to complete the top front mounting track installation. Repeat the process and install the middle front mounting track.



HARDWARE

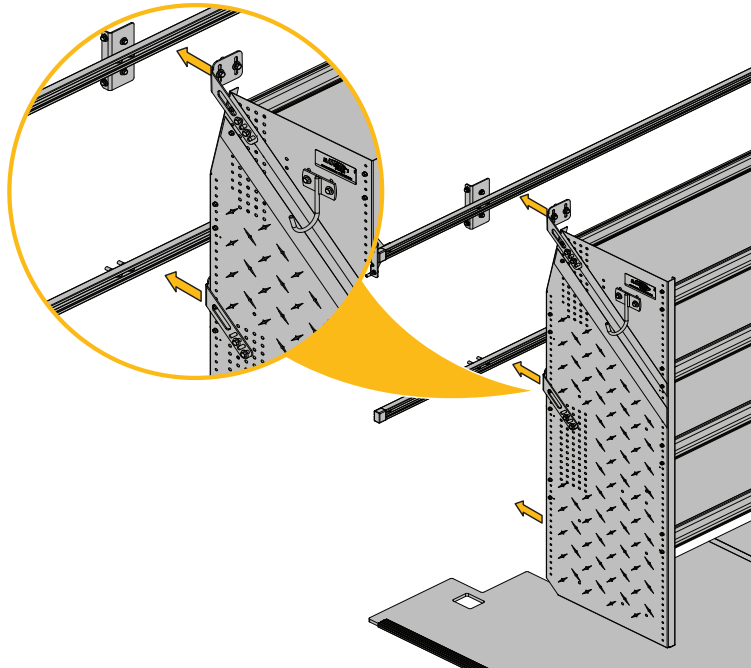
Hex Head Bolt 1/4"-20 x 1"	Qty: 6
Lock Spring Washer 1/4"	Qty: 6
Flat Washer 1/4", 3/4"	Qty: 6

Bracket Reference

FIXED SHELF INSTALL

■ **Note:**

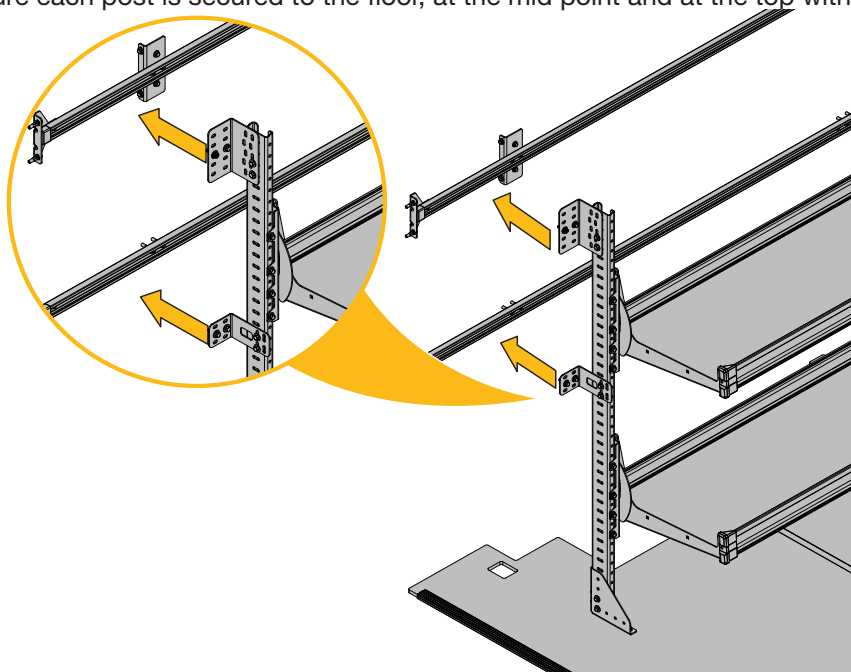
- Replace standard middle bracket (84-012) with the left & right top brackets(40-750& 40-751) provided in 6550-BZS.



FOLD AWAY INSTALL

■ **Note:**

- When installing to Ranger wall tracks, it is permitted to omit one of the two top brackets.
- Ensure each post is secured to the floor, at the mid point and at the top with at least 1 bracket.





You have successfully assembled and installed your BrightDrop Mounting Track.

Thank you for doing business with us.

For technical support, contact us at 1-800-565-5321.

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

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