



MyGlassTruck



VICTORY



Installation instructions for

Ram ProMaster Rack

MyGlassTruck.com

(856) 595-9069

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Thank You for Choosing MyGlassTruck.com America's Glass Rack Leader

This document's purpose is to provide a qualified installer with the steps necessary to perform a safe and correct installation.

Before beginning installation read this guide and all other instructions provided by MyGlassTruck.com, third party component providers and vehicle providers to ensure you are familiar with the installation procedure, rack and vehicle.

If you have questions, please call MyGlassTruck.com at (856) 595-9069. Our qualified personnel will gladly provide answers.



CAUTION

Victory Truck Body, Inc., parent company of MyGlassTruck.com, has provided within this document detailed installation instructions for the installer of the aluminum van rack provided by MyGlassTruck.com. Failure to follow these instructions or failure to follow safe shop and workplace practices could result in injury or death of the installer or end user of this equipment. PLEASE read this instruction manual thoroughly before beginning the installation process. If you do not understand any step or procedure that is outlined in the manual, immediately call the Victory Truck Body, Inc. engineering department at **(856) 595-9069**. Hours of operation are 8 am to 5 pm EST, Monday through Friday. DO NOT PROCEED WITH ANY INSTALLATION PROCEDURE IF YOU ARE NOT CERTAIN OF ITS CONTENT, INTENTION AND DESCRIPTION.



IMPORTANT

When installed, this glass rack and any other components must not alter or prevent vehicle compliance to existing state or federal standards. The finished rack and vehicle should comply with all vehicle manufacturer guidelines.

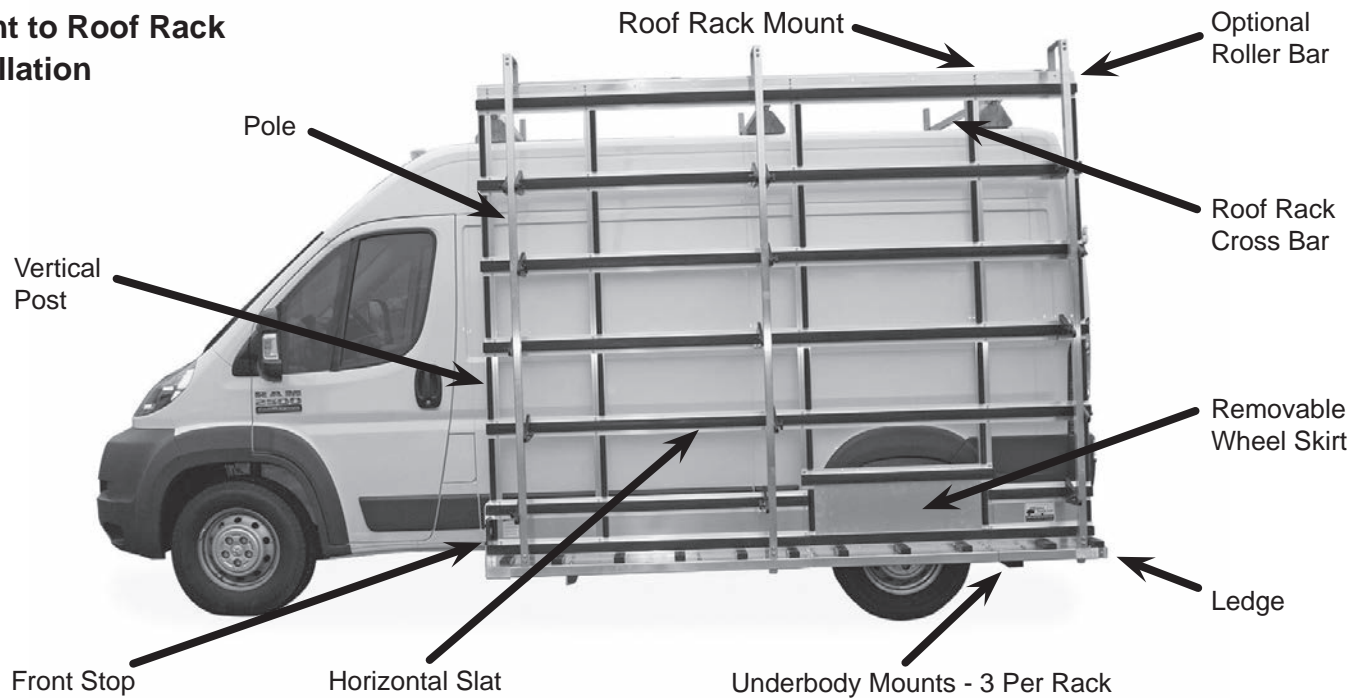


DO THIS BEFORE YOU START

Before beginning installation, please review this manual and locate each hardware bag and component of your rack. If anything is missing or you have questions please call (856) 595-9069. We will be happy to assist you.

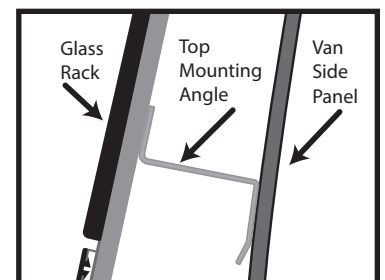
BECOME FAMILIAR WITH YOUR GLASS RACK

Mount to Roof Rack Installation



Non Roof Rack Installation

Same features as above plus,



Tools Required for Installation

- Wrenches: 7/16", 1/2", 9/16"
- Hex Socket: 7/16", 1/2", 9/16"
- Socket Wrench
- Cordless Electric or Pneumatic Impact Gun
- Caulk Gun
- Drill with 1/4", 5/16" and 3/8" Bits
- Vise-Grip-Style Clamps

STEP 1: LOCATE PARTS AND HARDWARE



IF YOU ARE INSTALLING A GLASS RACK WITHOUT A ROOF RACK PLEASE SKIP TO SECTION 3.

ROOF RACK PARTS

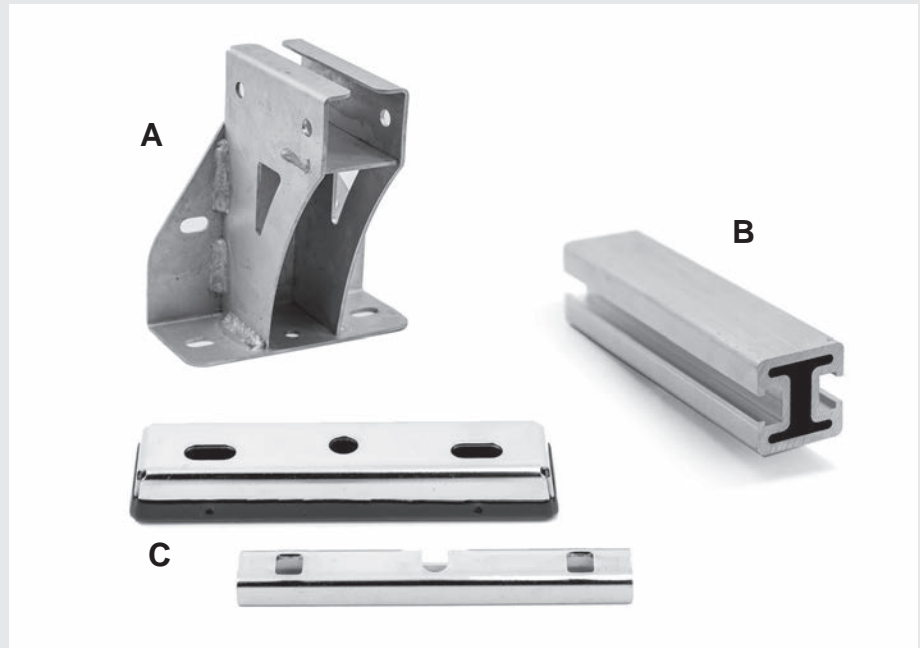
A. Flat Top Roof Rack Mounts (6)

B. Roof Rack Crossbars (3)
(Actual crossbar is 75" long)

C. R-2 Roof Rack Adapter Kit

D. V-8 Hardware Bag (not shown)

E. V-1 Hardware Bag (not shown)



R-2 ProMaster Roof Rack Adapter Kit

ITEM	SIZE	QTY
Inner Brackets		6
Outer Brackets		6
Carriage Bolts	5/16"	12
Washer, Lock Washers & Nuts	5/16"	12
Stainless Steel Roof Rack Mounts		6

Hardware bags content list on next page...

V-8 Hardware Bag for Roof Rack Mount

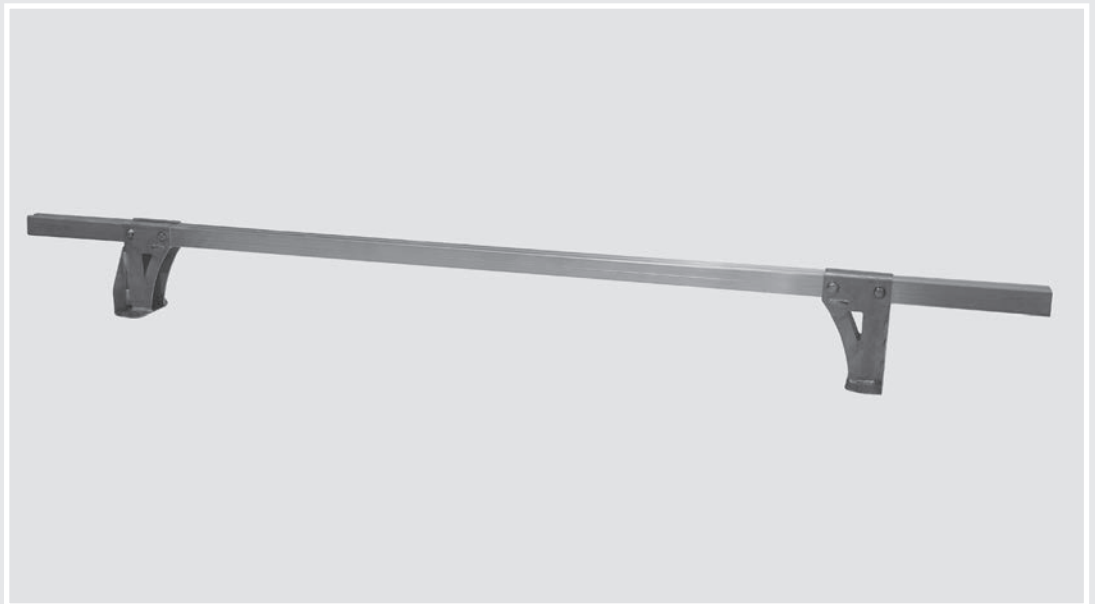
ITEM	SIZE	QTY
Hex Cap Screws Stainless	5/16" x 2-1/4"	12
USS Flat Washers Stainless	5/16"	24
Nylon Insert Locknut Plated	5/16"	12

V-10 Hardware Bag for Attaching Rack to Roof Rack

ITEM	SIZE	QTY
Hex Cap Screws Stainless	3/8" x 2-1/2"	3
USS Flat Washers Stainless	3/8"	6
Nylon Insert Locknut Plated	3/8"	3

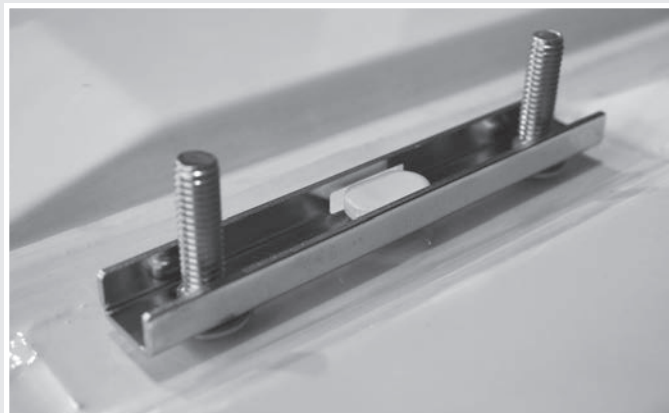
Note: Hardware bags may include additional hardware that is not used for this installation.

Reference Photo:
Roof rack crossbar
attached to mounts.

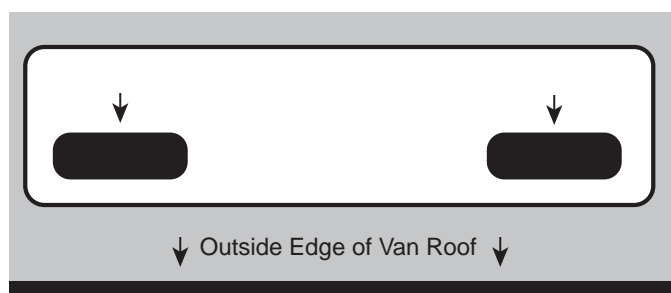


STEP 2: PREPARING MOUNTING ADAPTER

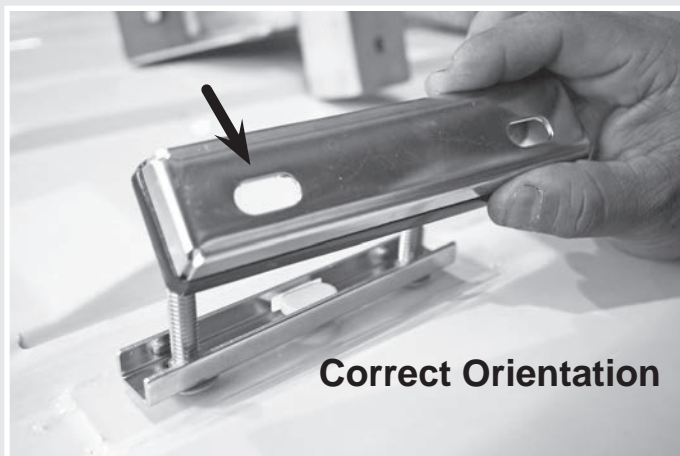
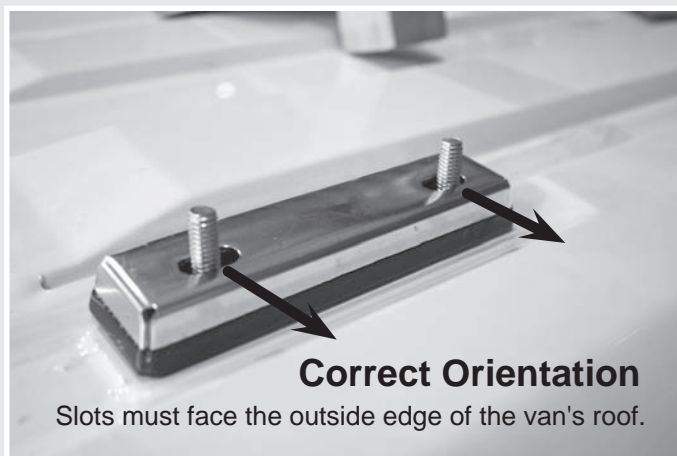
Locate mounting points on the roof of your ProMaster. Slide the inner part of the roof mount adapter with two 5/16" carriage bolts inserted over the post. **Important** - when assembled, the slots on the adapter must be closest to the outside edge of the van's roof.



Place the outer part of the roof mount adapter over the carriage bolts with its slots facing the outside edge of the van's roof.

**IMPORTANT**

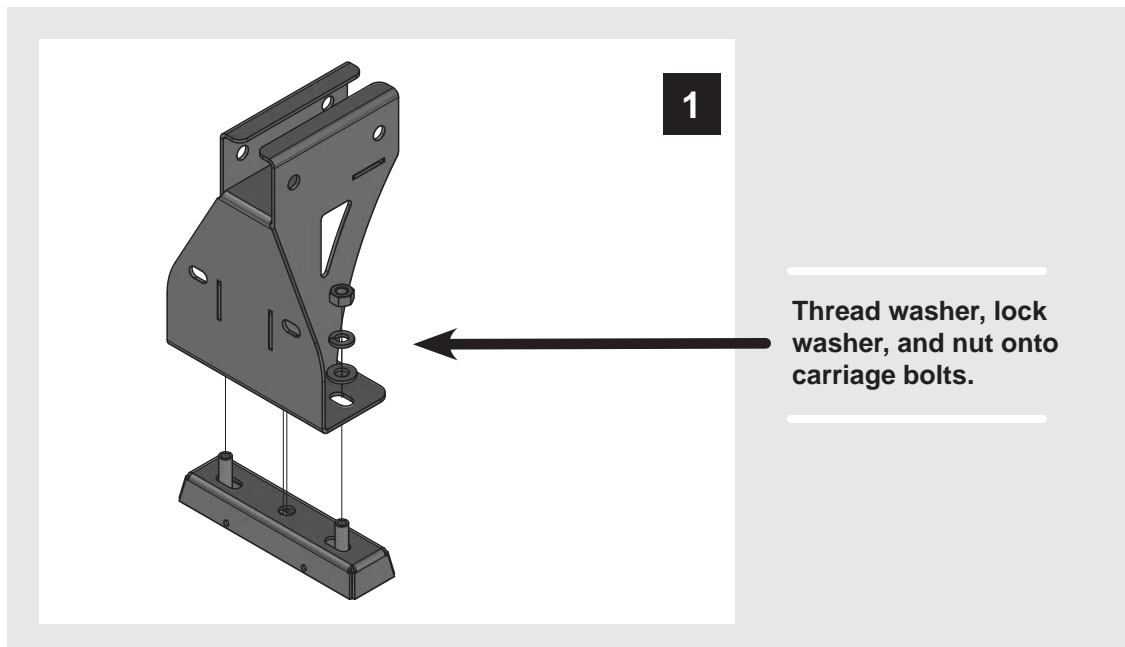
Slots on outer part of roof rack mount adapter must be offset to be closest to the outside edge of the van's roof.

**Correct Orientation****Correct Orientation**

Slots must face the outside edge of the van's roof.

STEP 3: PLACING CROSSBARS

1. Place the roof rack mounts over the carriage bolts on the roof rack adapter. Loosely thread the washers, lock washers and nuts onto the carriage bolts.



2. Slide in the aluminum crossbars through the roof rack mount so that they protrude evenly on both sides of the van. Make sure that crossbars are perpendicular to the track.

3. Drill holes through the crossbars using the pre-drilled holes in the roof rack mounts as a guide. Bolt crossbars and mounts together using 5/16" x 2-1/4" bolts, nuts, & washers (V-8 Hardware Kit).

4. Tighten ALL of the bolts on the mounts and crossbars.



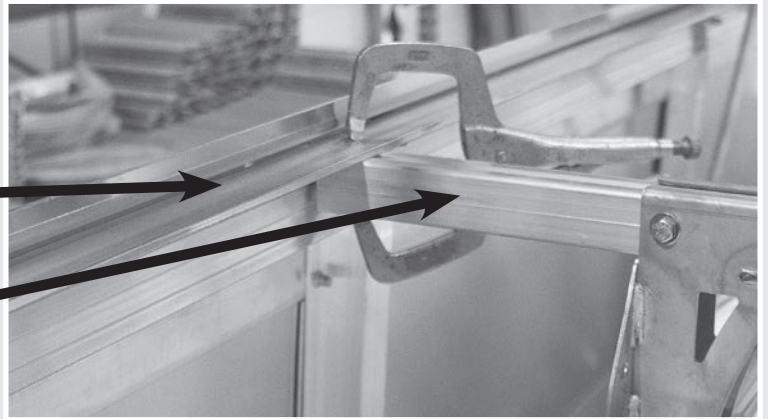
STEP 4: ATTACH GLASS RACK TO ROOF RACK CROSSBARS

Hang the rack on the ends of the roof rack crossbars using the mounting angle that's attached to the back of the glass rack (near the top). Clamp to hold in place.

Glass rack hung on
roof rack crossbar

Rack mounting
angle

Crossbar



Drill a hole through the mounting angle and roof rack crossbars. Be sure to drill through the center.

Bolt the rack's mounting angle to the crossbars using 3/8" x 2-1/2" bolts, washers and nuts. (Bag V-10 Hardware). See below.

3/8" x 2-1/2" bolts
going through
mounting angle
and horizontal
roof rack crossbar



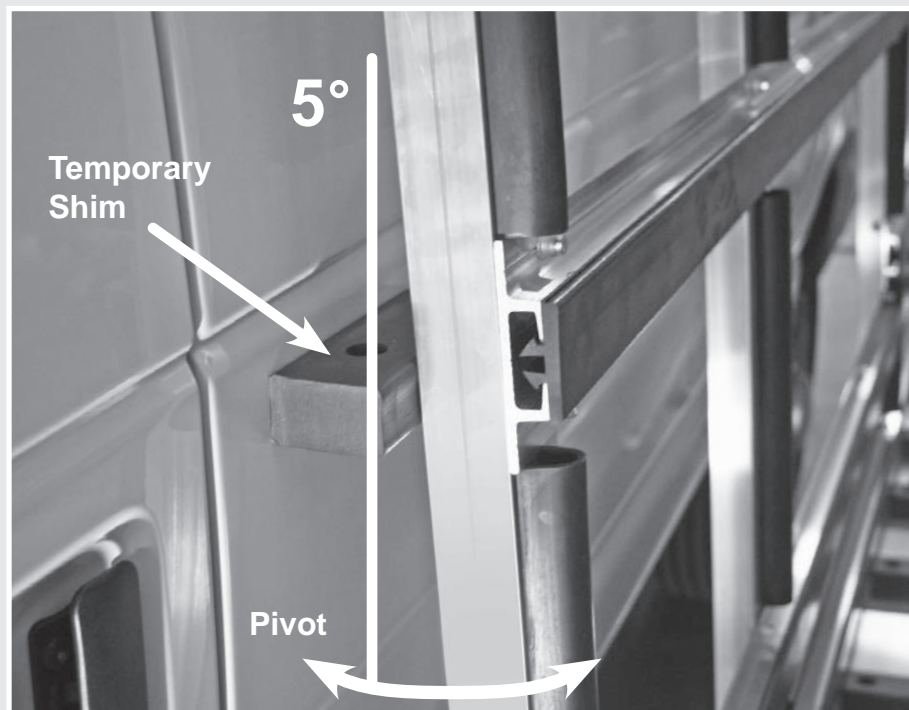
IT IS IMPORTANT TO RE-TIGHTEN ALL BOLTS ON THE
ROOF RACK AND MOUNTING ANGLE

STEP 5: SET RACK ANGLE

Set the vertical angle of the glass rack by pivoting its bottom in or out. **The recommended angle is 5 degrees.** Be sure to keep the rack as close to the ProMaster as possible. But, also try to keep at least 1/2" of space between the rack and the van. If the rack and van touch, place rubber or foam padding between them.

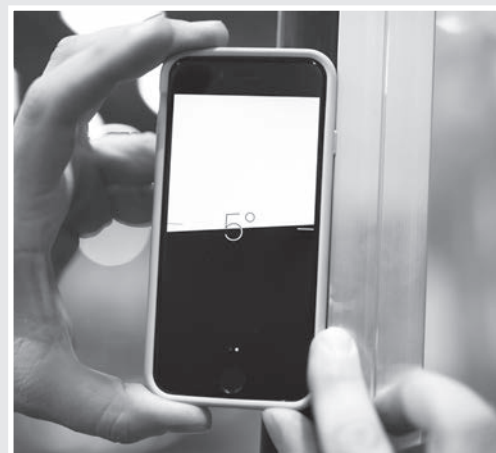
The Recommended Rack Angle is 5 Degrees

Add temporary shims between each vertical post and the van's side to set and hold angle. Remove shims after rack is attached to underbody mounts.



REMEMBER THE RACK AND VEHICLE MUST NOT EXCEED THE LEGAL OVERALL WIDTH OF 102"

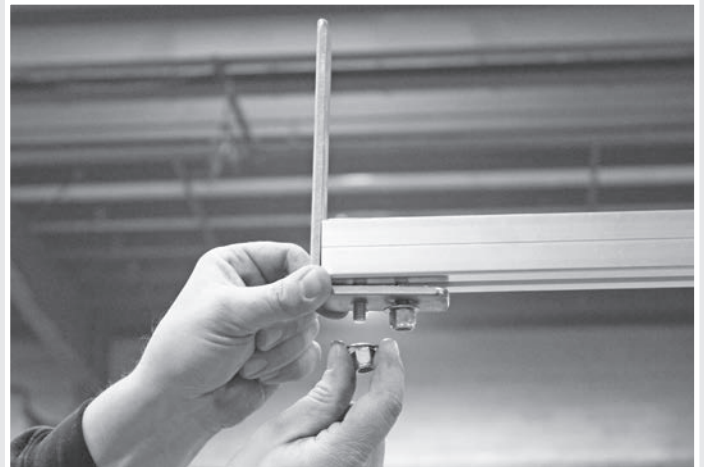
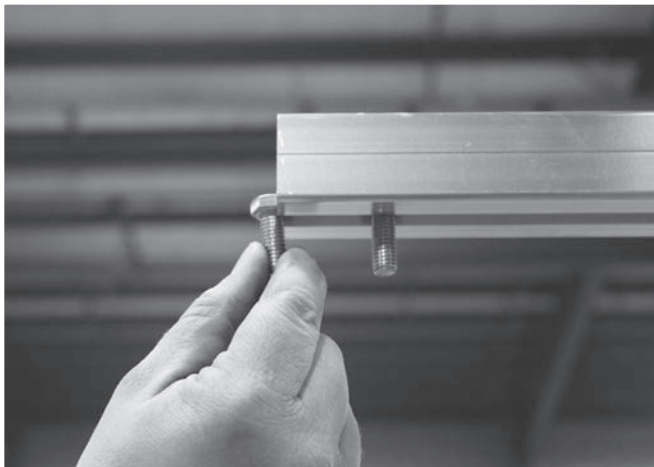
Tip: Download an app for your smartphone to quickly check the recommended five degree angle.



STEP 6: ADD END HOOKS TO ROOF RACK CROSSBARS**V-11 Hardware Bag**

ITEM	SIZE	QTY
L-Shaped End Hooks		3
Hex Cap Screw Stainless	3/8" x 1"	6
USS Flat Washer Stainless	3/8"	6
Nylock Nut	3/8"	6

Note: Hardware bags may include additional hardware that is not used for this installation.



Add the end hooks to each roof rack crossbar. On the non-rack side of the van, slide the heads of two 3/8" x 1" hex cap screws into the channel on the underside of the roof rack crossbar. With the longer "ladder keeper" portion of the end hook facing upward, thread the screws through the end-hook's two pre-drilled holes. Slide a 3/8" washer onto each bolt and secure each end hook with a 3/8" lock nut.



SKIP AHEAD TO SECTION 4 TO INSTALL UNDERBODY MOUNTS AND ATTACH BOTTOM OF RACK

STEP 1: LOCATE PARTS AND HARDWARE**V-2 Hardware Bag for Mounting Rack Without Roof Rack**

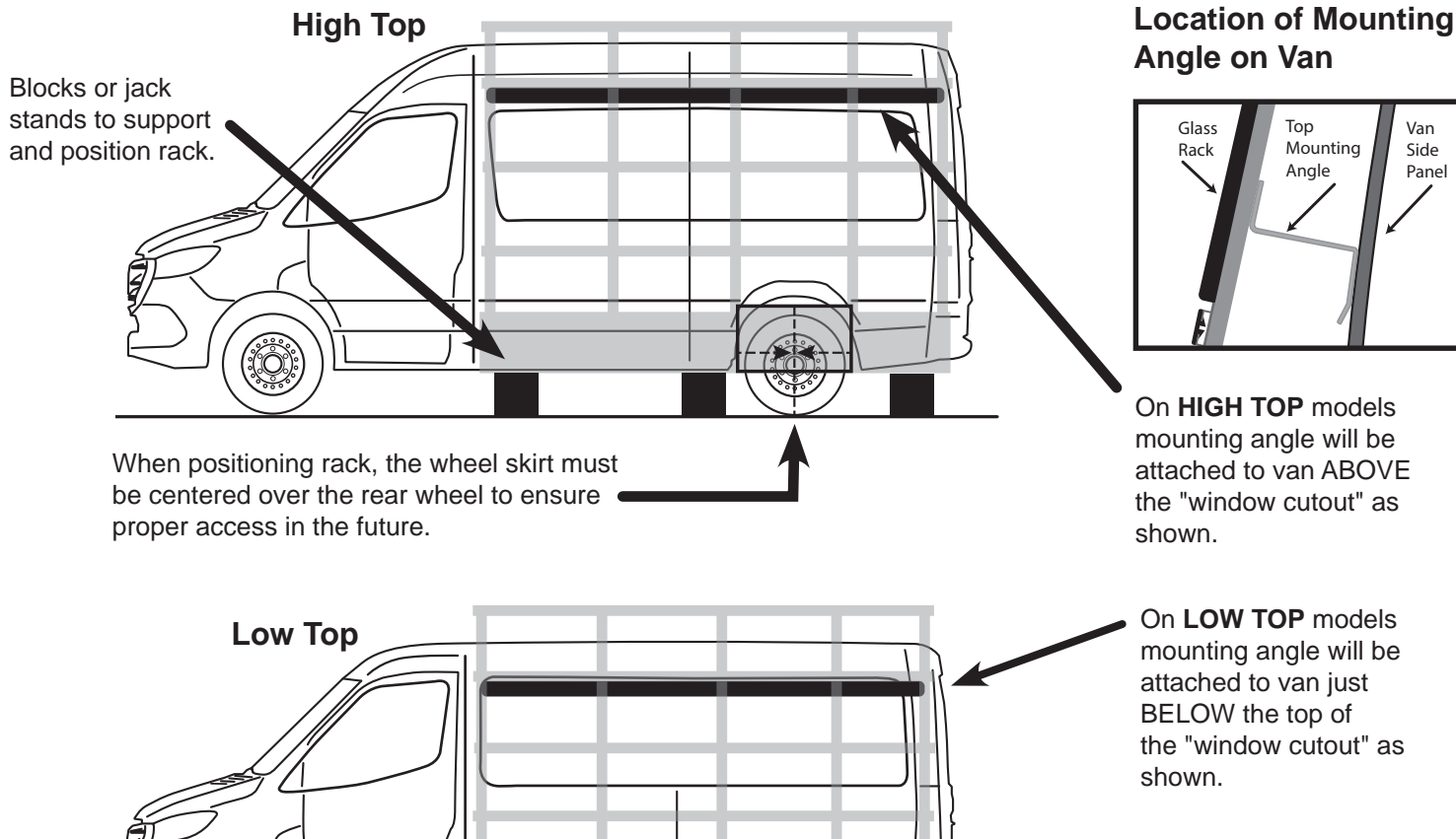
ITEM	SIZE	QTY
Stainless All Thread	3/8" x 2"	5
Hex Cap Screw Stainless	3/8" x 1"	4
Nylon Insert Locknut Plated	3/8"	9
Stainless Fender Washer	3/8" x 1-1/2"	10
USS Flat Washer Stainless	3/8"	18



THIS HARDWARE KIT HAS ADDITIONAL PIECES NOT USED FOR THE PROMASTER ROOF RACK INSTALLATION

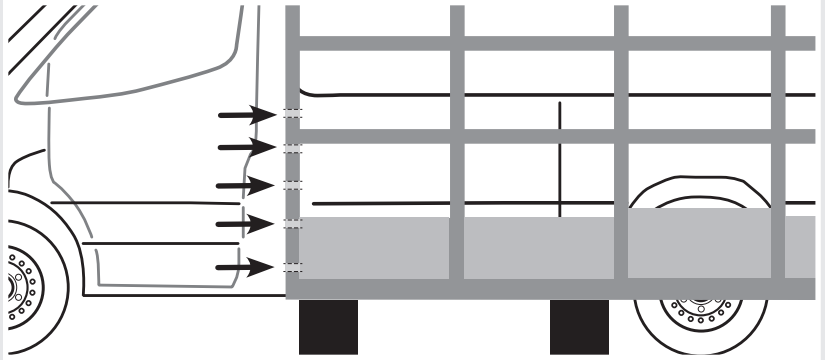
STEP 2: DETERMINE PLACEMENT

Place the rack on blocks or jack stands that lift the rack 12" to 16" above the ground. Make sure the rack does not interfere with doors or fuel tank opening. The wheel skirt must be centered over the rear wheel.



IMPORTANT: Before drilling, be sure the front of the rack is facing toward the front of the ProMaster.

Note: The front of the rack is where the holes are pre-drilled for mounting the front stop.



STEP 3: DRILL MOUNTING HOLES

Once the glass rack is in a satisfactory position, drill a hole through the **center** of the mounting angle and wall of the ProMaster first. Before drilling double-check to be sure you will not hit anything important in the van's interior.

Reference photo showing completed mounting angle installation. Arrow shows where to drill first hole.



BE SURE TO DOUBLE-CHECK THAT THE FUEL DOOR AND FRONT AND REAR DOOR OF VAN WILL BE ABLE TO OPEN, AND THAT NO DAMAGE WILL OCCUR TO ITEMS IN THE VAN'S INTERIOR.



If the ProMaster is double-walled or has any interior panels or racks, remove them to avoid damaging or drilling through them.

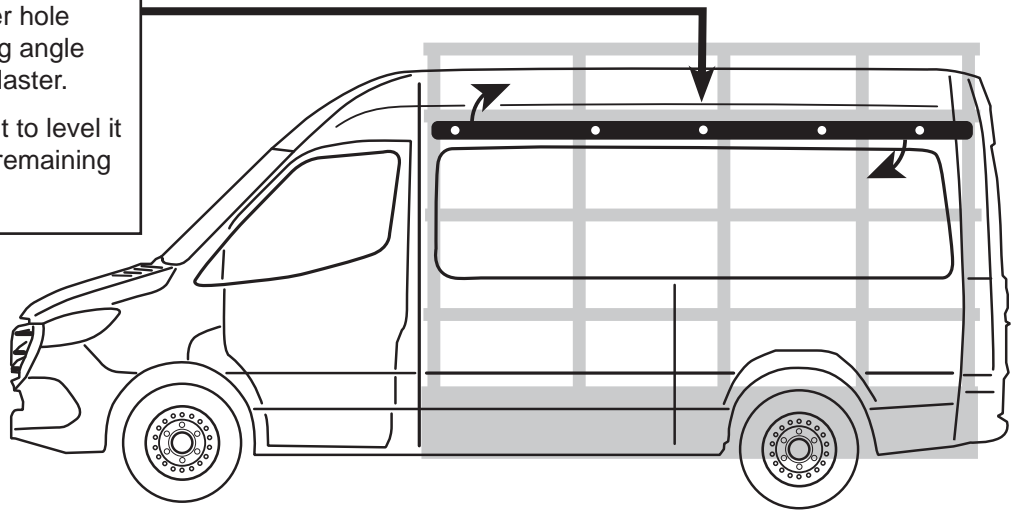
Using hardware bag V-2, put a 3/8" bolt through the hole in the angle and wall to make levelling the rack easier. Once the rack is level drill 4 more holes through the mounting angle and the wall of the ProMaster (see next page). It is highly recommended that you use the 4" x 4" aluminum plate and adhesive caulk to reinforce the strength of the van's wall.

FIRST drill center hole through mounting angle and wall of ProMaster.

Pivot rack on bolt to level it before drilling 4 remaining holes.



Close up of bolt through washer and mounting angle

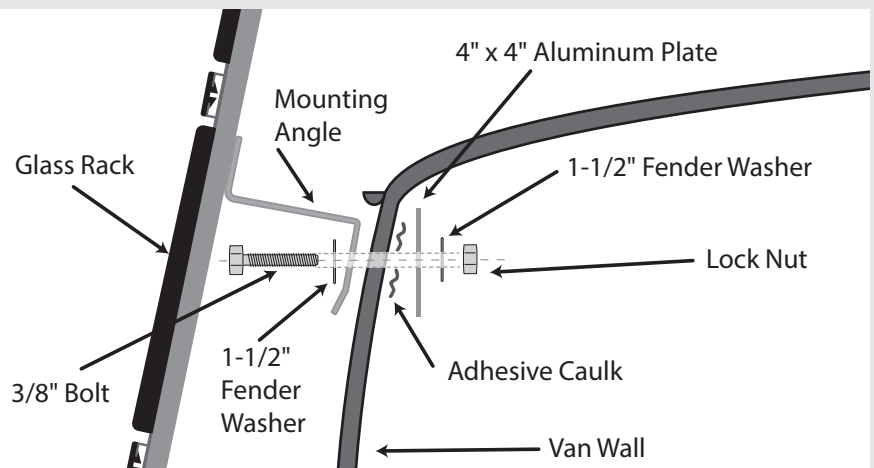


STEP 4: ATTACH RACK TO VAN

Bolt the rack to the van with the 3/8" mounting hardware provided. Be sure to use the 1-1/2" fender washers and locknuts against the body on the inside.

Refer to this drawing for the order of the hardware used to attach the rack to the van. It is highly recommended that you use the 4" x 4" plate and adhesive caulk to reinforce the strength of the van's wall (see photo below).

***Note: Drawing not to scale*



To add extra reinforcement to the van's wall, use the 4" x 4" aluminum plates on the inside wall.

Pre-drill the plate and secure to van wall with adhesive when bolting the rack onto the van.

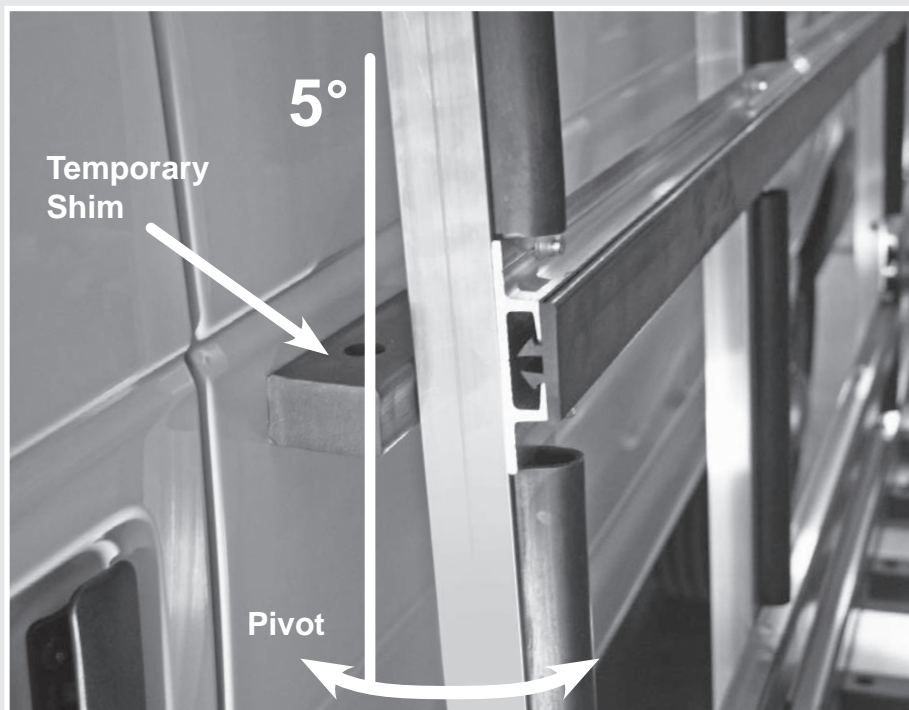


STEP 5: SET RACK ANGLE

Set the vertical angle of the glass rack by pivoting its bottom in or out. **The recommended angle is 5 degrees.** Be sure to keep the rack as close to the ProMaster as possible. But, also try to keep at least 1/2" of space between the rack and the van. If the rack and van touch place rubber or foam padding between them.

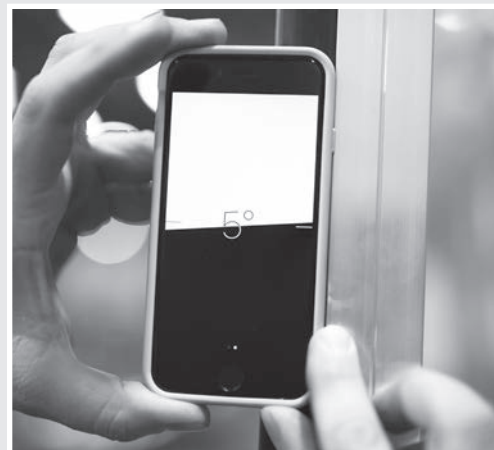
The Recommended Rack Angle is 5 Degrees

Add temporary shims between each vertical post and the van's side to set and hold angle. Remove shims after rack is attached to underbody mounts.



REMEMBER THE RACK AND VEHICLE MUST NOT EXCEED THE LEGAL OVERALL WIDTH OF 102"

Tip: Download an app for your smartphone to quickly check the recommended five degree angle.



STEP 1: REVIEW PARTS AND HARDWARE

Before beginning this portion of your installation locate and review all parts and hardware bags. Please call (856) 595-9069 if anything is missing or you have questions.

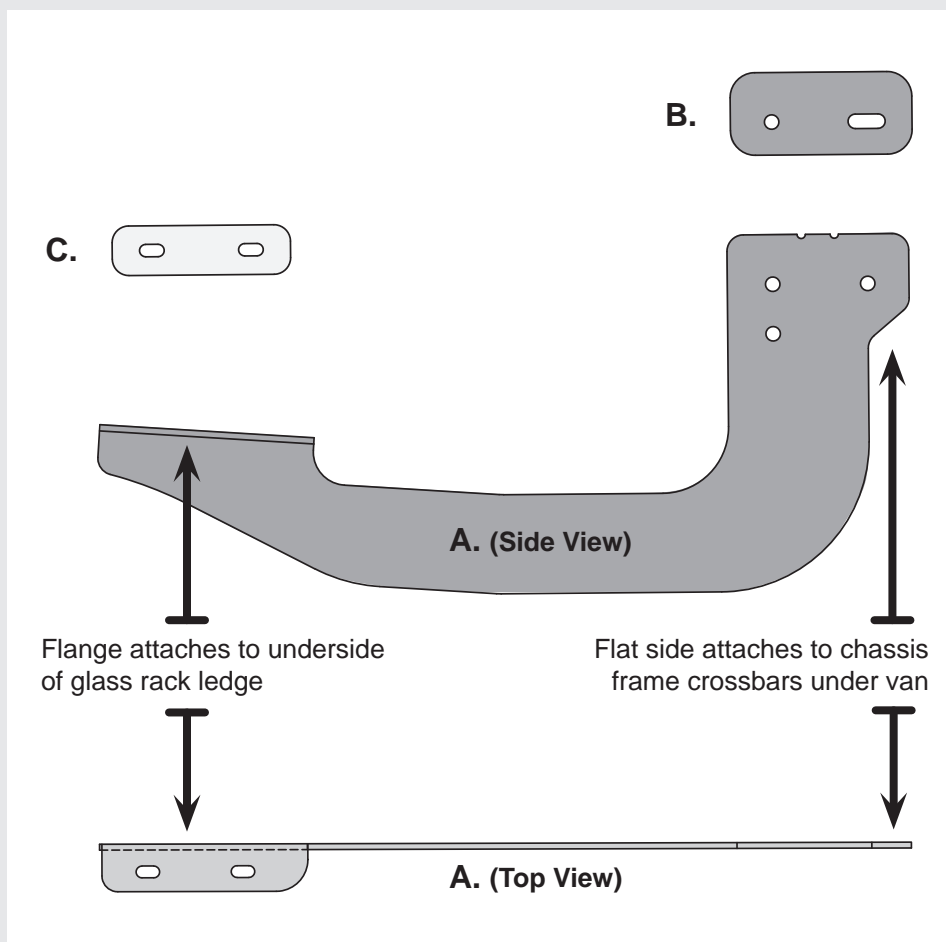
**UNDERBODY MOUNTS
PARTS**

**A. Galvanized Steel
Underbody Mounts (3)**

**B. 5-1/2" x 2-1/2" Galvanized
Steel Washer Plate (3)**

C. Aluminum Shims (3)

**D. R-1 Hardware Bag
(Not Shown)**

**R-1 Hardware Bag for Under-Body Mounts**

ITEM	SIZE	QTY
Hex Cap Screw Stainless	3/8" x 1-1/2"	6
Hex Cap Screw Stainless	3/8" x 4"	2
Hex Cap Screw Stainless	3/8" x 4-1/2"	2
Hex Cap Screw Stainless	3/8" x 5"	4
Washer Nut	3/8"	24
Locknut	3/8"	12

STEP 2: PLACEMENT OF UNDERBODY MOUNTS

The shorter, flat portion of the underbody mount attaches to the van's chassis frame crossbar. To support the rack, the longer horizontal portion with the flange extends beyond the van's outer wall and attaches to the underside of the rack's ledge. **IMPORTANT:** Do not interfere with any components on the van's chassis when attaching the underbody mounts, including brake lines, fuel tank, fuel hoses, or wiring. The approximate location of each underbody mount is:

- A. FRONT** – As close to the front edge of the rack as possible
- B. CENTER** – In front of the van's rear wheels, outside of the leaf springs as to not interfere with the van's suspension.
- C. REAR** – Behind the rear wheels, outside of the leaf springs.



Approximate location of each underbody mount

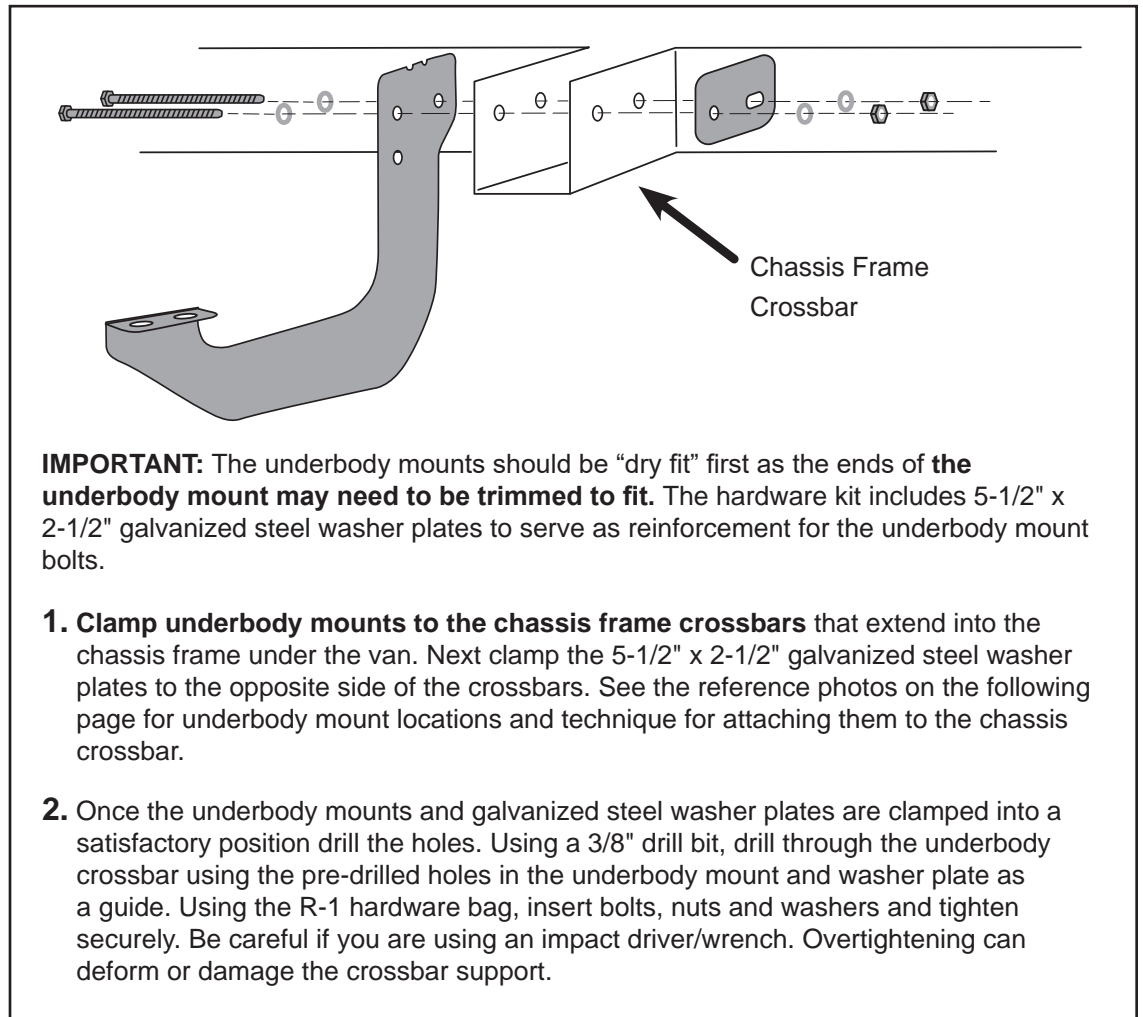


THE UNDERBODY MOUNT MAY NEED TO BE TRIMMED TO FIT

STEP 3: DRY-FIT AND INSTALL UNDERBODY MOUNTS

It is best to install the front and rear underbody mounts completely first. Then, fit and install the center underbody mount once the other 2 are set.

When you secure the glass rack to the underbody mounts you can adjust how the rack sits on the vehicle. Keep the same pitch at each underbody mount or the rack could be twisted. Also, make sure that the rack is set parallel to the body, and not angled in or out causing it to “scoop” air and exert force on your glass which could push it off the rack while in transit.



BE SURE TO USE A MINIMUM OF TWO BOLTS PER UNDERBODY MOUNT THROUGH THE CHASSIS FRAME. DO NOT INTERFERE WITH BRAKE LINES, FUEL TANKS, FUEL HOSES, ETC.



THE UNDERBODY MOUNTS MAY HAVE TO BE MODIFIED IF YOU ENCOUNTER OBSTACLES. CALL (856) 595-9069 IF YOU ARE UNSURE

STEP 4: ATTACH MOUNTS TO VEHICLE

Clamp All Mounts in Place First to Ensure a Proper Fit.



Front underbody mount facing rear of van



Middle underbody mount facing rear of van



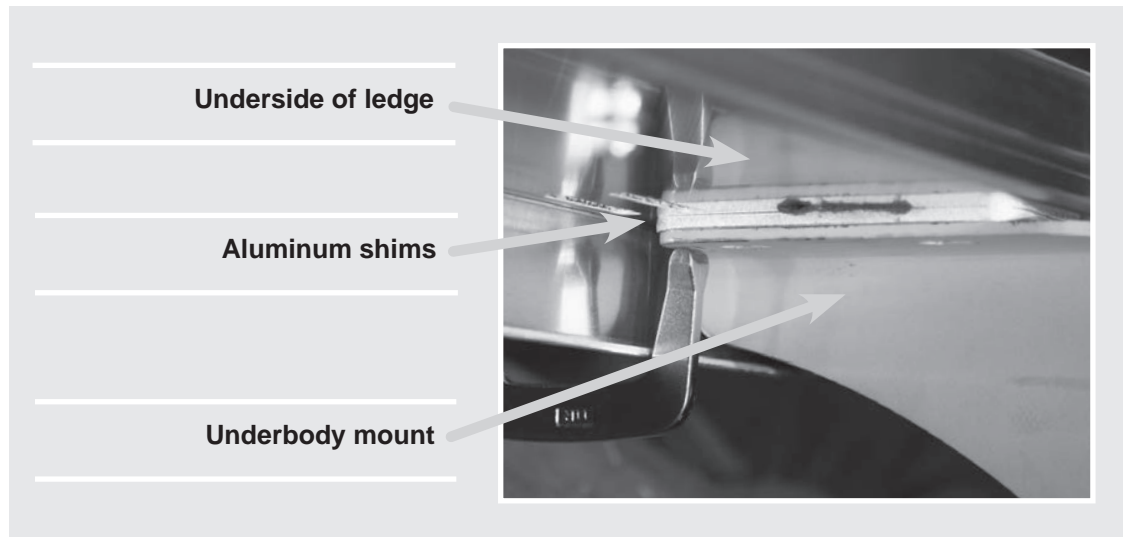
Rear underbody mount facing front of van



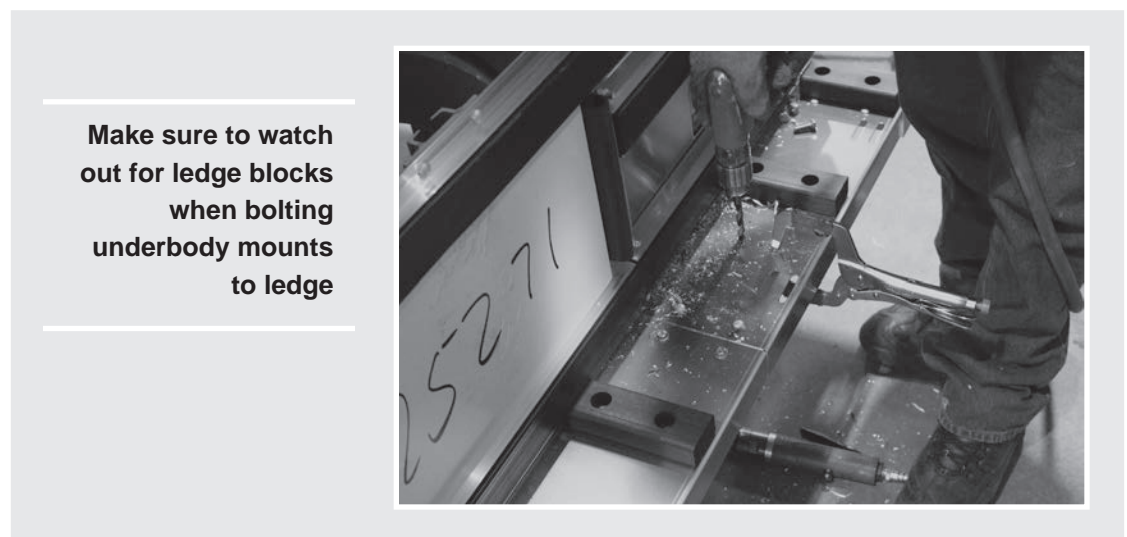
**FOR ALL 3 UNDERBODY MOUNTS:
Install washer plate behind the bolts and
washers on other side of chassis crossbar**

STEP 5: ATTACH RACK TO MOUNTS

Place the aluminum shim between the flange on top of the underbody mount and underside of the ledge. Clamp the underbody mount and ledge together.



Drill 3/8" holes through the ledge that line up with pre-drilled holes in the top flange of the underbody mount and the aluminum shims. Avoid drilling where the rubber ledge blocks are located on top of the ledge. Secure using 3/8" x 1-1/2" bolts, washers and nuts.



Make sure to watch out for ledge blocks when bolting underbody mounts to ledge



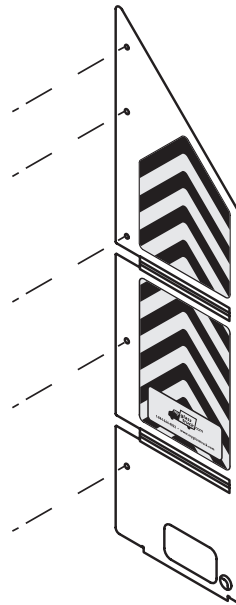
DOUBLE-CHECK THAT ALL NUTS AND BOLTS ARE TIGHTENED

STEP 1: LOCATE PARTS AND HARDWARE**V-12 Hardware Bag for Front Stop**

ITEM	SIZE	QTY
Hex Cap Screw	1/4" x 2-1/2"	5
USS Flat Washer	1/4"	10
Nylon Insert Locknut	1/4"	5

STEP 2: INSTALL FRONT STOP

The glass rack front stop is shipped detached from the rack. To attach, bolt the stop directly to the front of the glass rack through the pre-drilled holes using the 2-1/2" x 1/4" bolts provided.



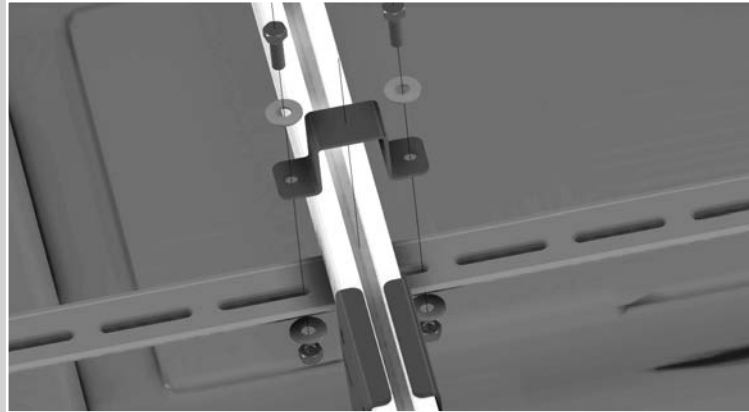
INSTALL OPTIONAL ROLLER-BAR

V-13 Hardware Bag

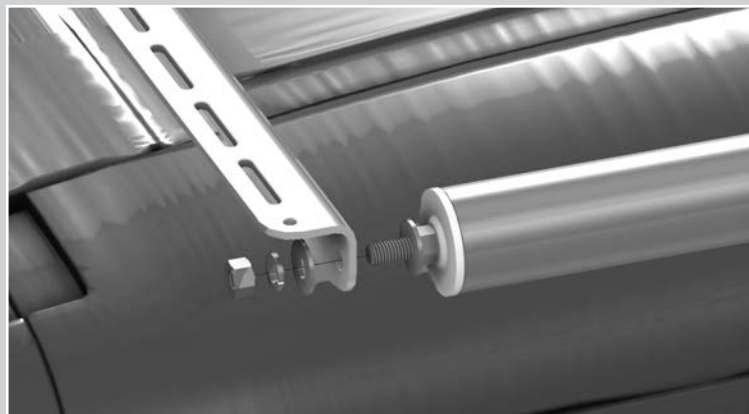
ITEM	SIZE	QTY
Hex Cap Screw Stainless	3/8" x 1"	8
USS Flat Washer Stainless	3/8"	16
Nylock Nut	3/8"	8

1. Loosely bolt the formed angles with the supplied brackets to the roof rack crossbars.

Ensure where the roller mount will clear the brake light / camera.

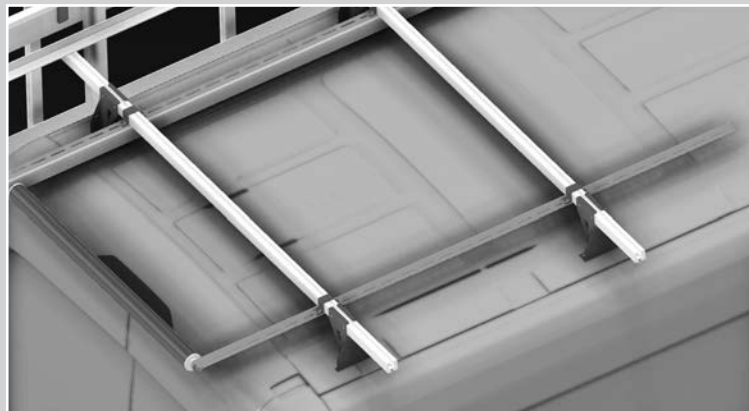


2. Remove the 1/2" nut from threads on each end of roller bar (not shown) and insert threaded ends through 1/2" holes on each angle.



3. Place bolts back onto the threads at each end of the roller bar and tighten all bolts, including bolts holding angles to roof rack mounts.

Check to be sure roller bar spins freely.

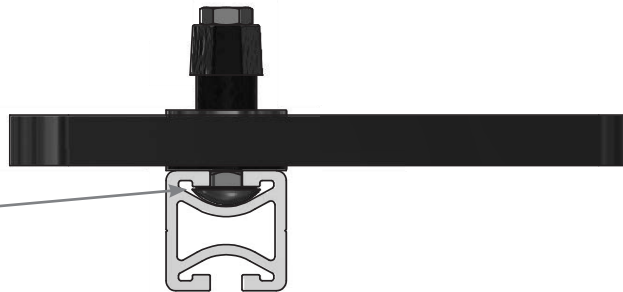


STEP 1: POLE HARDWARE, CLEATS AND COMPONENTS

Slide the head of a stainless steel bolt down the pole's channel. Assemble hardware and cleat as shown. Slide three cleats onto one side of the pole and two onto the other side.

Top View**Assembled Cleat****Note:**

Black .50 Nylon Washer
(must be on carriage
bolt inside of channel)

**Exploded View****Cleat Components**

Nylock Nut
(tighten flush to bolt top)

Wing Nut

Stainless Steel Flat Washer

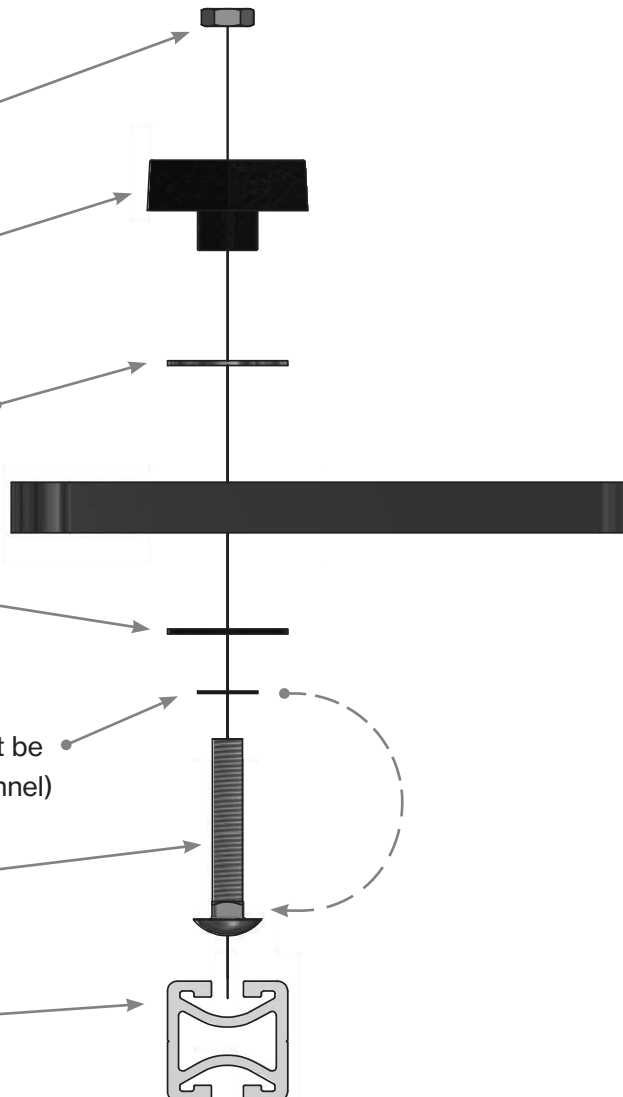
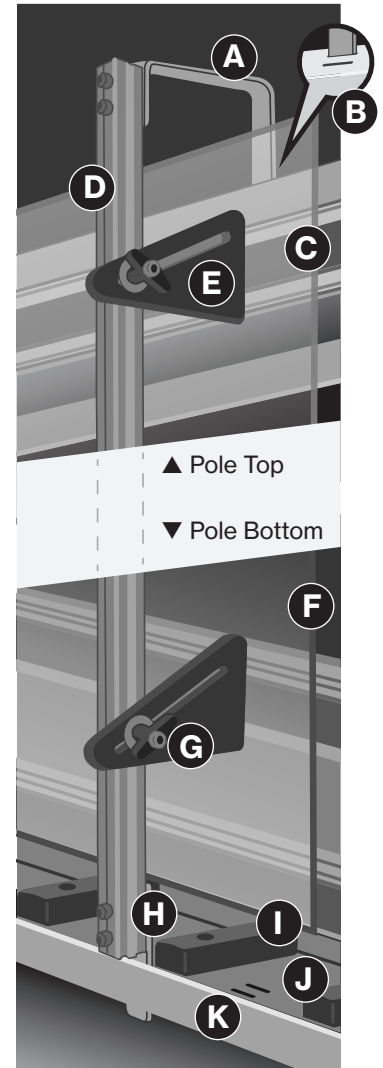
Cleat

Black Nylon Glide Washer
(between cleat and shaft)

Black .50 Nylon Washer (must be
on carriage bolt inside of channel)

Carriage Bolt
(head slides inside channel)

Glass Pole Shaft
with Channels

**Glass Pole Parts**

- A. Standard Pole Hook
- B. Top Slots - Along top of rack header rail
- C. Rubber Padding
- D. Pole Shaft
- E. Cleat
- F. Glass
- G. Wing-Nut
- H. Standard Pole Tab
- I. Bottom Pad
- J. Glass Rack Ledge
- K. Bottom Slots

Glass Pole Instructions

1. Remove poles from rack before loading glass.
2. Ensure load space is clean and clear of debris.
3. Ensure rubber padding is in good condition.
4. Place glass on rack flat against rubber padding. Distribute the load evenly on both sides of vehicle (if equipped).
5. Inspect poles, cleats and wing-nut hardware to ensure it's intact and in proper working order.
6. Place all poles onto rack over top of glass. The bottom and top section of poles must be securely placed in slots located at top and bottom of rack.
7. Push cleats flat against glass, then tighten wing-nuts by hand. Cleats must be firmly against glass so no movement of glass is possible.
8. On long trips, periodically check wing-nuts for tightness.



WARNING

Shifting cargo due to improper loading can result in sudden loss of control of vehicle, cargo or glass coming off of rack, or glass breakage. This can lead to death or serious injury. You must:

- Make certain weight of load plus rack weight does not exceed vans weight capacity (GVWR - Gross Vehicle Weight Rating).
- Evenly distribute load on the driver and passenger side of vehicle (if equipped with two racks).
- Consider adjusting the contents inside the vehicle to account for the weight on the rack.
- Properly secure load to rack using glass poles and/or straps. Inspect and test all load securement devices before each use.



WARNING

If rack is E-Track equipped, only use load securement products compatible with E-Track.

Do not use damaged or loose tie down rings, straps or track. They can fail or break, allowing cargo to become loose resulting in death or serious injury.

Refer to www.fmcsa.dot.gov for regulations regarding cargo securement rules

CHECK FOR YES

- ☐ Roof rack is attached to van properly and all bolts are tight
 - ☐ All bolts are tight where glass rack attaches to roof rack
 - ☐ All underbody mounts are installed properly and tight
 - ☐ All bolts securing rack ledge to underbody mounts are tight
 - ☐ Wheel skirt is bolted on properly
 - ☐ Front stop is securely bolted in place
 - ☐ Cleats are attached properly to all poles
-



MyGlassTruck



VICTORY

MyGlassTruck is a
Division of Victory Truck Body, Inc.



For Questions, Service, and Parts:

Phone: (856) 595-9069

Web: <https://parts.victorytruckbody.com/collections/glass>