



MyGlassTruck



VICTORY



Aluminum Glass Rack Installation Instructions for
Sprinter Vans (2007 to Present)

MyGlassTruck.com
(856) 595-9069

Section 1	Become Familiar with Your Glass Rack	Page 4
Section 2	Installing Glass Rack with Roof Rack Mounts	Page 5
Section 3	Installing Glass Rack without a Roof Rack	Page 13
Section 4	Install Underbody Mounts & Attach Bottom of Rack	Page 16
Section 5 & 6	Install Front Stop and Optional Rear Roller Bar	Page 19
Section 7	Assemble Poles	Page 20
Section 8	Warnings	Page 21
Section 9	Warranty Information	Page 22
Section 10	Notes	Page 23
Section 11	Checklist, Service and Parts	Page 24

Tools Required

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

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 Sprinter Glass 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.

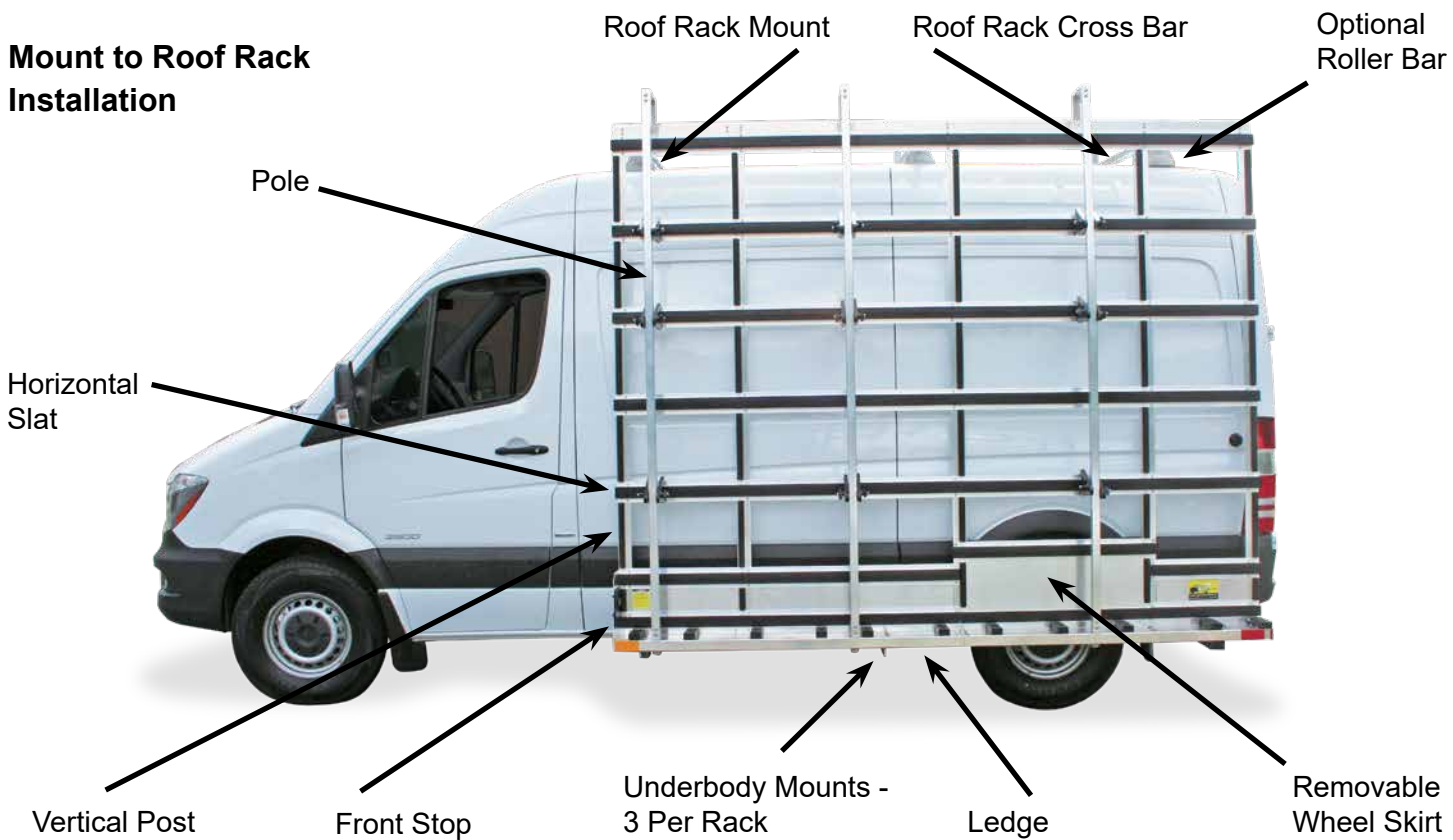


DO THIS BEFORE YOU START

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

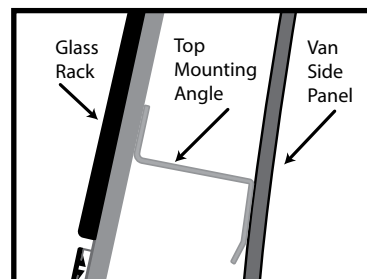
Mount to Roof Rack Installation



Mount to Channel Installation

Same features as above plus

Glass Rack Top Mounting Angle



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. Roof Rack Mounts**

144" Wheelbase: (6)

170" Wheelbase: (8)

B. 75" Crossbars

144" Wheelbase: (3)

170" Wheelbase: (4)

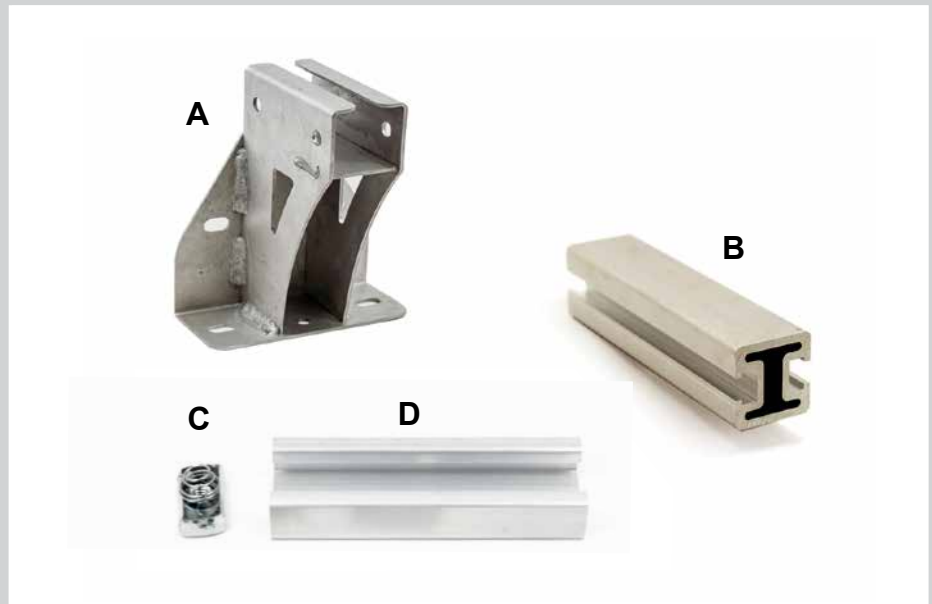
C. Unistrut Nuts with Springs (12)**D. 10' Unistrut Track (2)**

(For Single-Sided Racks)

CUSTOMER SUPPLIED

A. Silicone Caulk (10 oz)

B. Red Lok-Tite



Parts for MGT supplied Unistrut Track (Hardware Kit S-4)

ITEM	SIZE	QTY
Aluminum Unistrut	10'	2
Rubber Washers	1/4"	22
Unistrut Nuts with Springs		12
Bolts with Washers and Locknuts	5/16" x 1"	22
Bolts with Washers and Lock washers	5/16" x 7/8"	12

Parts for Sprinter Dealer Supplied Roof Rack Mount (Hardware Kit S-3)

ITEM	SIZE	QTY
Slider Plates with Studs		6
Washers and Locknuts		12

STEP 1: LOCATE PARTS AND HARDWARE**V-8 Hardware Bag for roof mount rack**

ITEM	SIZE	QTY
Hex Cap Screws Stainless	5/16" x 2-1/4"	16
USS Flat Washers Stainless	5/16"	32
Nylon Insert Locknut Plated	5/16"	16

V-10 Hardware Bag for attaching rack to roof mounts

ITEM	SIZE	QTY
Hex Cap Screws Stainless	3/8" x 2-1/2"	4
USS Flat Washers Stainless	3/8"	8
Nylon Insert Locknut Stainless	3/8"	4

Reference Photo:

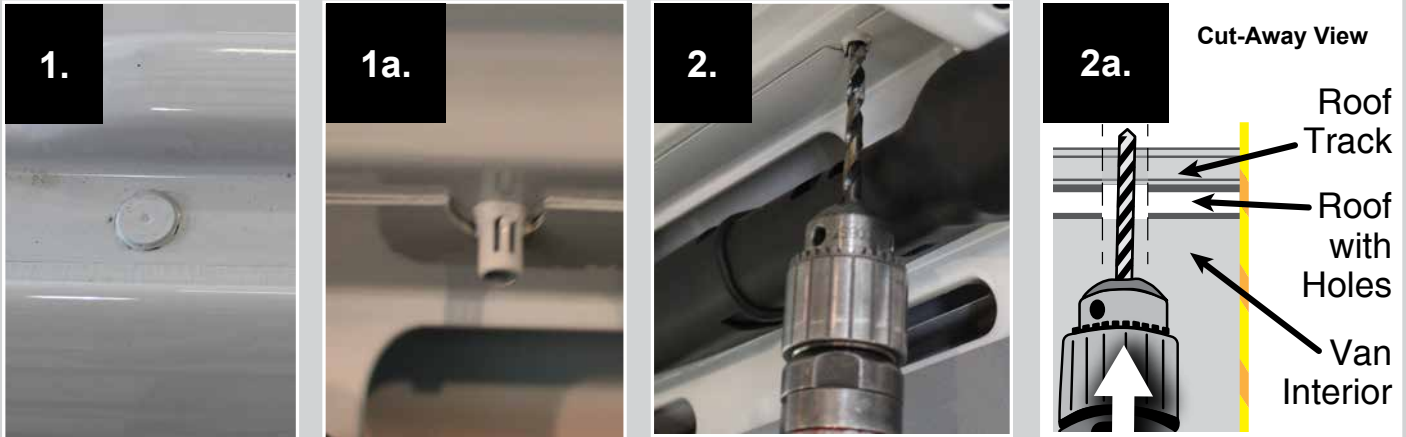
Roof Rack crossbar attached to mounts.



STEP 2: INSTALL ROOF TRACK

To properly install the roof **rack**, the Sprinter must have **roof track** installed. If your Sprinter does not have a roof track installed, there are two options:

1. Your local Sprinter dealer should be able to install the track.
2. MGT has designed a solution utilizing Aluminum Unistrut (shown below). These parts are included with your glass rack.



1. Locate plugs inserted into the roof rack mounting holes on the van.

1a. Find where plug extends into the van's interior.

2. Drill out the plug from the Sprinter's interior with a 5/16" drill bit.

2a. *May require an assistant.* Place track in its correct location on the roof over drilled holes. Use the holes on the van's interior as a template to drill the holes through the track from inside the van.



3. Put bolts through the track and place rubber washers on bolt against the underside of the track.



4. Put a bead of caulk around each roof rack mounting hole and the bolt heads so the interior of your sprinter remains water-tight. Insert the locknuts and tighten.



5. Place strut nuts tilted to a horizontal position into unistrut.

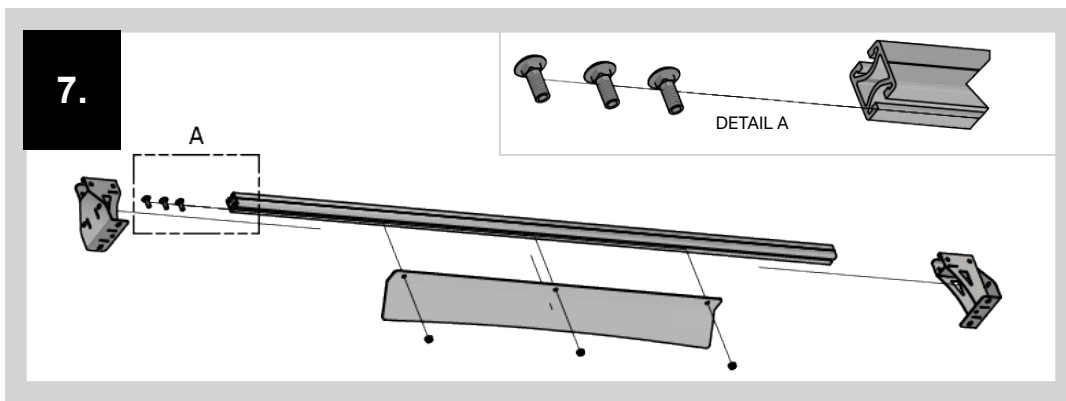


6. Twist 90 degrees to lock strut nuts into track. Repeat procedure for all strut nuts.

Roof Rack Location: Use the following measurements as a guide for where the roof rack mounts should go.

- Start first mount as far forward on roof rack track as possible.
- Install the center bar 60" from the front of the roof rack track
- Install the rear bar 103" from the front of the roof rack track

These dimensions are intended as a guide. They can be varied slightly. **The object is** to keep the cross bars as close to a vertical post on the glass rack as possible for added strength.



7. Install Wind Deflector: Install (3) 3/8" - 1" carriage bolts into bottom of crossbar.

NOTE: Wind deflector is installed on forward most crossbar only.

STEP 3: INSTALL THE ROOF RACK MOUNTS

1. Place the roof rack mounts over the brackets and unistrut nuts and LOOSELY tighten the 5/16" hardware.



2. Slide in the aluminum cross bars so that they protrude evenly on both sides of the van. Make sure that crossbars are perpendicular to the track from side to side.



3. Drill holes through the crossbars using the holes in the roof rack mounts as a guide. Bolt in 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 4A: ATTACH GLASS RACK TO ROOF RACK CROSS-BARS (84" & 96" RACKS)

NOTE: If installing a Drop-Down Bracket on 90" Rack, refer to Step 4B, on page 11.

Hang the rack on the crossbars Using the mounting angle that is attached to the back of the glass rack.

Drill 3/8" holes through the angle and the crossbar, be sure to drill through the center of the angle on the back of the glass rack. Bolt the rack to the cross bars using 3/8" x 2-1/2" bolt. (Bag V-10 Hardware)



3/8" x 2-1/2" bolts inserted through mounting angle and roof rack crossbar. Use washer above angle and washer and nut below crossbar.



Drill 3/8" Hole Between Angle and Crossbar



Insert Bolts through Mounting Angle and Roof Rack Crossbar



Below Cross Bar View

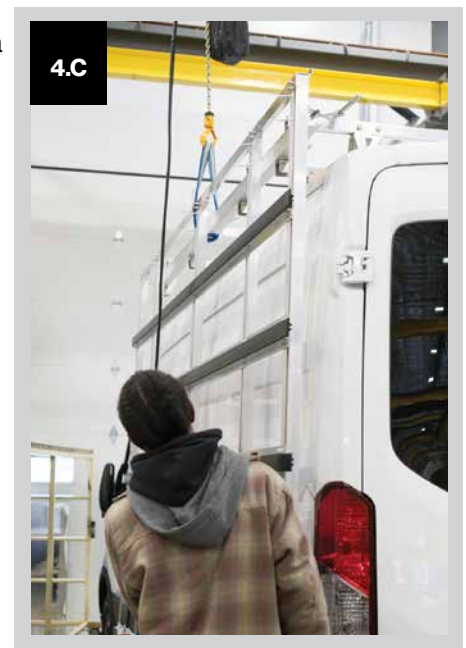
STEP 4B- ATTACH DROP DOWN BRACKET ON 90" RACK

NOTE: If you have a 84" or 96" Rack, refer to Step 4A, on page 10, and ignore this page.

1. Slide Drop-Down Bracket Over Cross Bar. Align flush with the outside edge, ensuring it does not interfere with the van roof.
2. Mark & Drill Crossbar Holes. Use the bracket as a template to drill **two 11/32" holes** through each crossbar.
3. Fasten Bracket to Crossbar. Use **5/16" hardware** and tighten to **20 ft-lbs.**
4. Lower Rack Assembly. Rest the mounting angle on the drop-down brackets.



5. Drill Mounting Angle Holes. Use the bracket as a template, drilling upward with a **13/32" bit (one hole per bracket)**.
6. Secure Rack to Brackets. Use **3/8" hardware** and tighten to **25 ft-lbs.**



STEP 5: SET RACK ANGLE

Set the vertical angle of the glass rack by pivoting the bottom out. There must be a minimum of 1/2" clearance between the rack and van to prevent rack from touching van. Place padding between them. The recommended angle is 3-5 degrees.

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



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

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

ITEM	SIZE	QTY
Hex Cap Screw Stainless	3/8" x 1"	8
USS Flat Washer Stainless	3/8"	8
Nylock Nut	3/8"	8
L-Shaped End Hooks		4

L-hooks are packed separately from hardware.

Note: If installing a rack on both sides of van, L-hooks will not be installed.



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 cross bar. 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 the end hook with two 3/8" lock nuts.

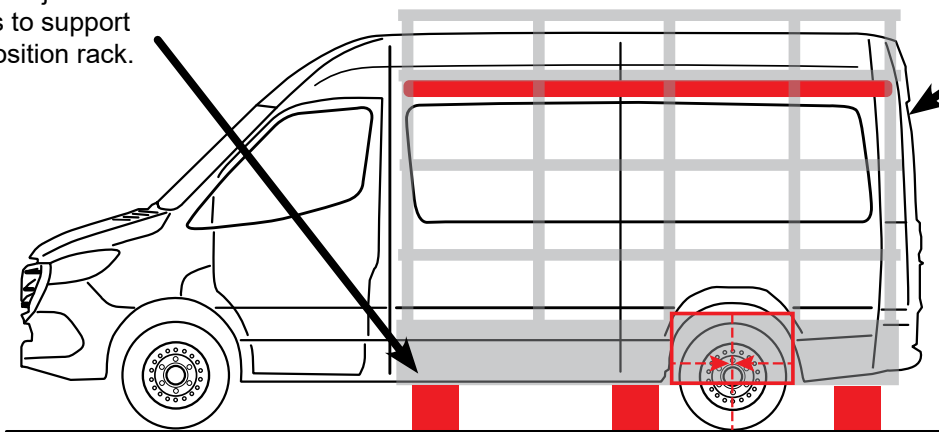
STEP 1: LOCATE PARTS AND HARDWARE**V-2 Hardware Bag for Mounting with Bolt-Through Channel**

ITEM	SIZE	QTY
Stainless All Threads	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

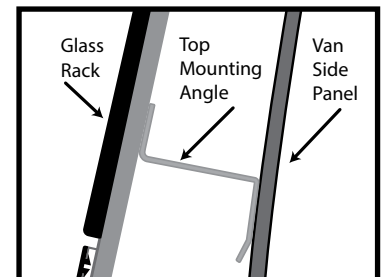
STEP 2: DETERMINE PLACEMENT

Place rack on blocks or jack stands that lift the rack 12" to 16" above the ground. Make sure the rack does not interfere with any doors.

Blocks or jack stand stands to support and position rack.



Position so that mounting angle on rack aligns with this position on the side of the Sprinter.



Be sure the front of the rack is facing toward the front of the Sprinter

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



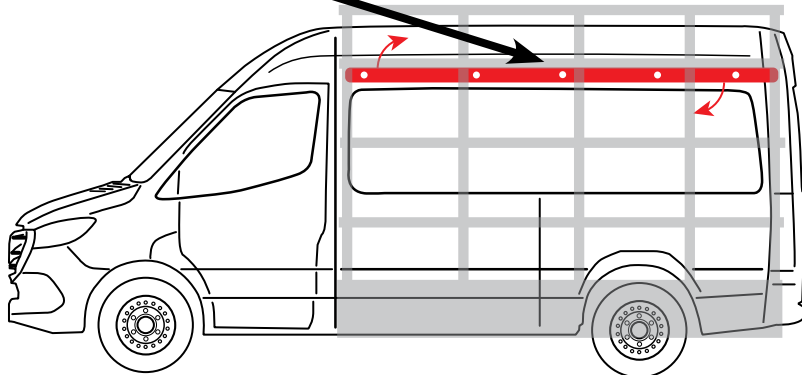
STEP 3: DRILL MOUNTING HOLES

Drill center hole through mounting angle and wall of Sprinter first.

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

With the glass rack in a satisfactory position, drill a hole through the center of the mounting angle and wall of the Sprinter first. Before drilling check to be sure you will not hit anything important.

Put a 3/8" bolt through the hole in the wall and angle to make levelling the rack easier. Once the rack is level drill 4 more holes through the mounting angle and the wall of the Sprinter.



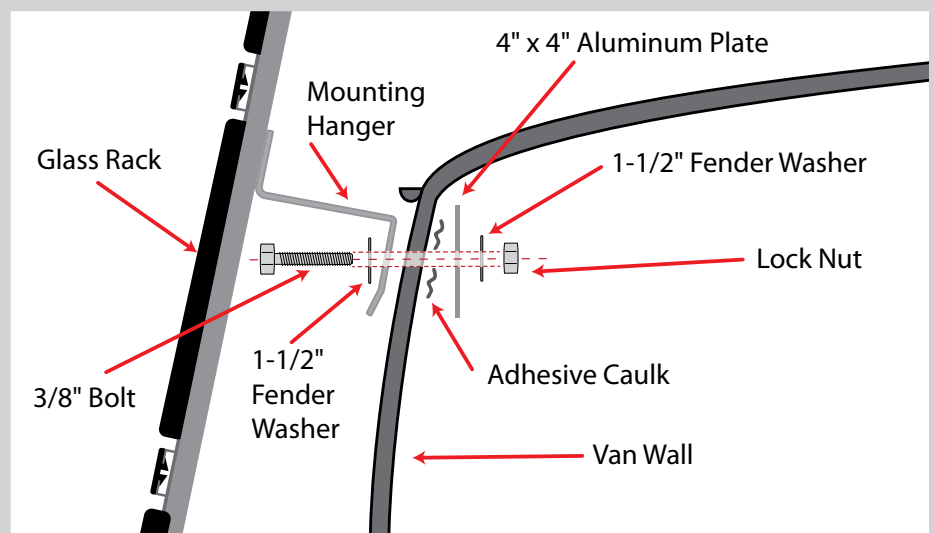
Close up of bolt through washer and mounting angle

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. A 4" plate may be installed behind fender washer for added load distribution. (See drawing below; more pictures on next page).

If you would like to add extra reinforcement to the van's wall secure a 4" x 4" aluminum plate on the inside wall with adhesive caulk and drill through it too. This technique will strengthen thinner sheet metal walls utilized on late model vans.

***Note: Drawing not to scale*





Bolt through mounting channel attached to glass rack.



4" x 4" reinforcement plate between sprinters interior wall and washer and nut.

STEP 5: SET RACK ANGLE

Set the vertical angle of the glass rack by pivoting the bottom out. There must be a minimum of 1/2" clearance between the rack and van to prevent rack from touching van. Place padding between them. The recommended angle is 3-5 degrees.

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



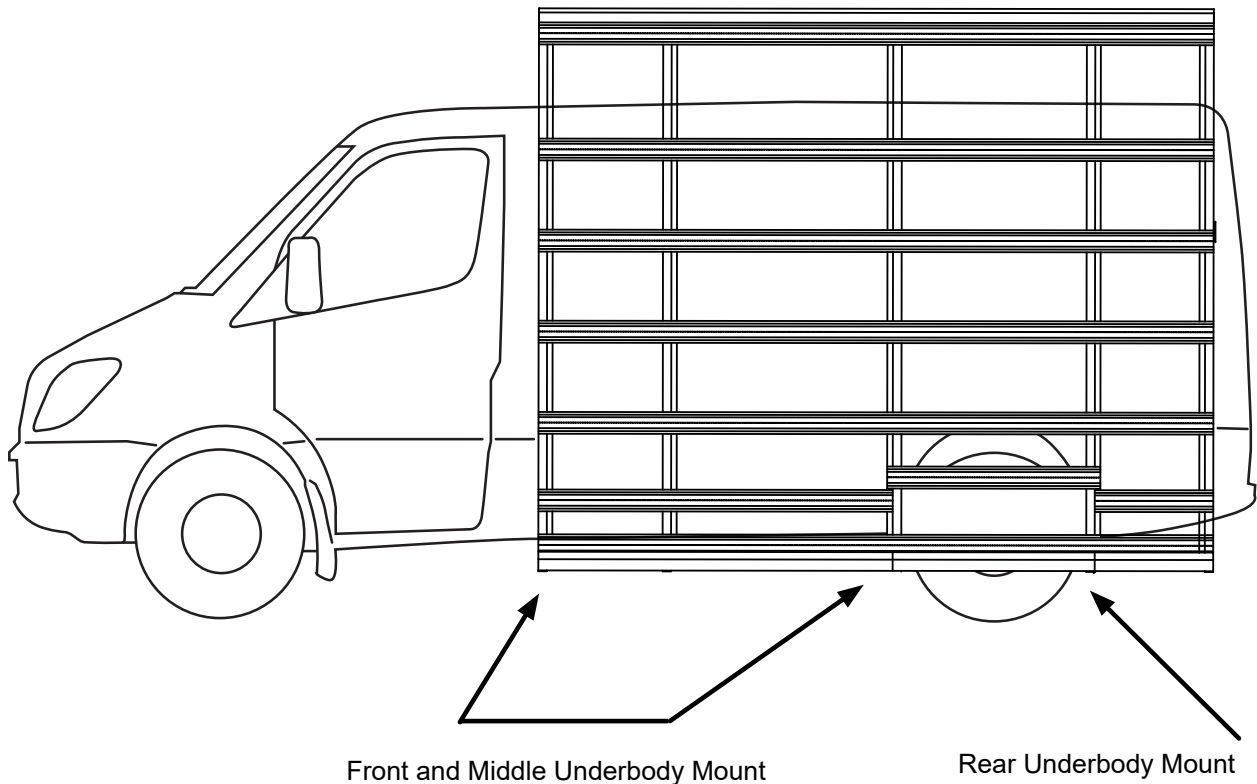
REMEMBER THE RACK AND VEHICLE MUST NOT EXCEED THE LEGAL OVERALL WIDTH OF 102"



STEP 1: PLACEMENT OF UNDERBODY MOUNTS

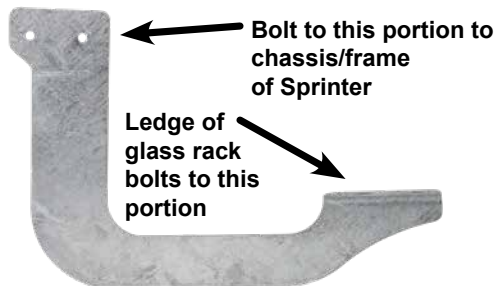
The flat portion of the underbody mount with the pre-drilled holes attaches to the van's chassis/frame. To support the rack, the longer horizontal portion with the flange and pre-drilled slotted holes extends beyond the van's outer wall to the underside of the rack's ledge. An aluminum shim is placed between underbody mount and underside of the rack's ledge.

The diagram below shows approximate placement of the underbody mounts.



STEP 2: INSTALL UNDERBODY MOUNTS

Attach all underbody mounts to the Sprinter's chassis before drilling and mounting to rack ledge to underbody mounts. Use Hardware Bag S-1

Underbody Mount Orientation

NOTE: If this is a 2006 or OLDER Sprinter - Request installation information at (856) 595-9069

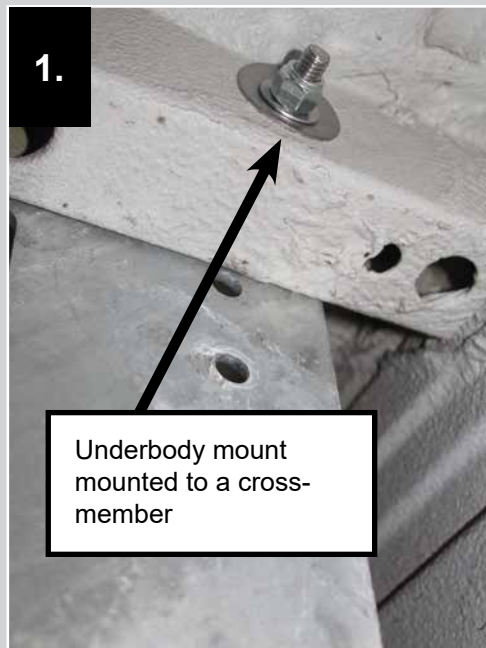
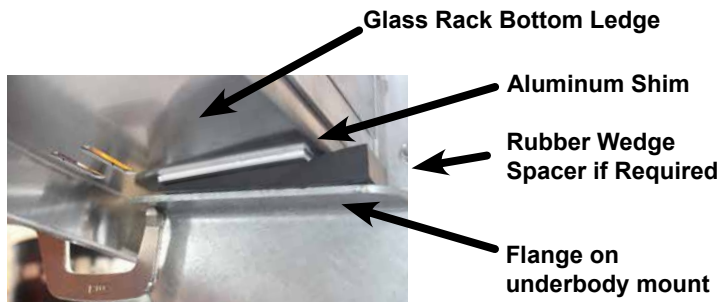
NOTE: If installing a Double-Sided rack, make sure your vehicle does NOT EXCEED the 102" wide legal DOT limit.

IMPORTANT:

Occasionally, the end of the underbody mount needs to be **TRIMMED OFF TO FIT** under the glass rack's bottom ledge.

Install Front and Middle Underbody mounts

1. The top of the FRONT and MIDDLE underbody mounts attach to the horizontal chassis cross bars where they meet the floor and rocker panel along the vans outer wall. **Clamp all three underbody mounts to the cross-members to ensure a proper fit before drilling.**
2. **Before drilling** make sure the horizontal portion of the underbody mount is clamped to the underside of the rack's ledge. Be sure the included aluminum shim and rubber wedge (if required) is between the mount and the ledge.



- Using the holes in the underbody mounts as a guide, drill holes through the chassis cross bars.

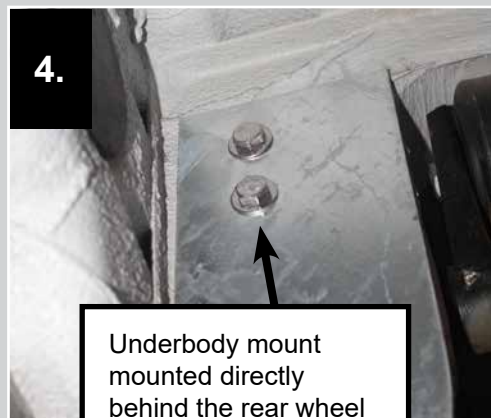
Make sure that the flanges that bolt to the bottom ledge are as close to the ledges as possible.

Install Rear Underbody mounts

- Find the cross-member that is behind the rear wheel and install your underbody mount there. Use 3/8" x 1-1/2" bolts for this one.

Secure all the bracket bolts

Once the underbody mounts are attached to Sprinter, you can begin attaching the glass rack to the underbody mounts



STEP 3: ATTACH BOTTOM OF RACK TO UNDERBODY MOUNTS

IMPORTANT: At this point make sure that the rack is flat and not twisted. Adjust clamps from underbody mounts to ledge as needed.

- Using slotted holes in the part of the mount underneath the rack's bottom ledge and the aluminum shim as a guide, drill two 3/8" holes through the rack's bottom ledge. Be sure not to drill through any ledge blocks.
- Place 3/8" x 1-1/2" bolts through the rack's bottom ledge and aluminum shim. Place washer and nut onto underside and tighten.



DOUBLE-CHECK THAT ALL NUTS AND BOLTS ARE TIGHTENED

SECTION 5

Install Front Stop and Optional Roller Bar

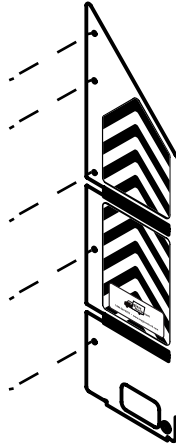
STEP 1: INSTALL FRONT STOP

First locate parts and hardware. 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.

PARTS AND HARDWARE

Front Stops - 1 per Rack

V-12 Hardware Bags -
1 per rack



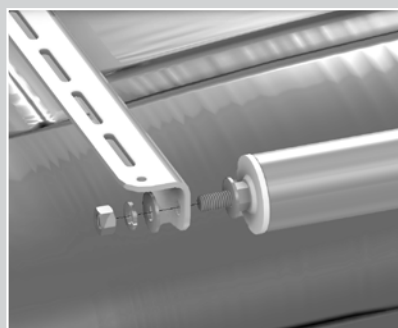
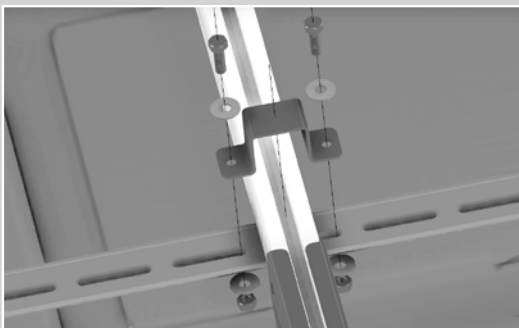
SECTION 6

Install Optional Rear Roller-Bar

INSTALL 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 will 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.

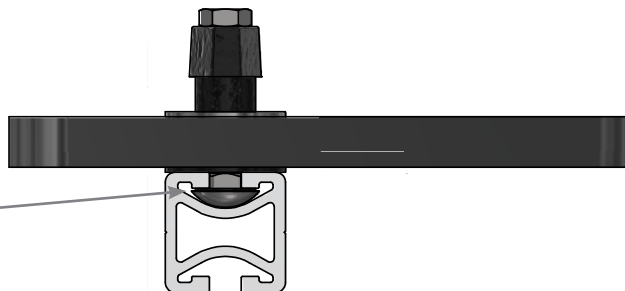
STEP 1: POLE HARDWARE, CLEATS AND COMPONENTS

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

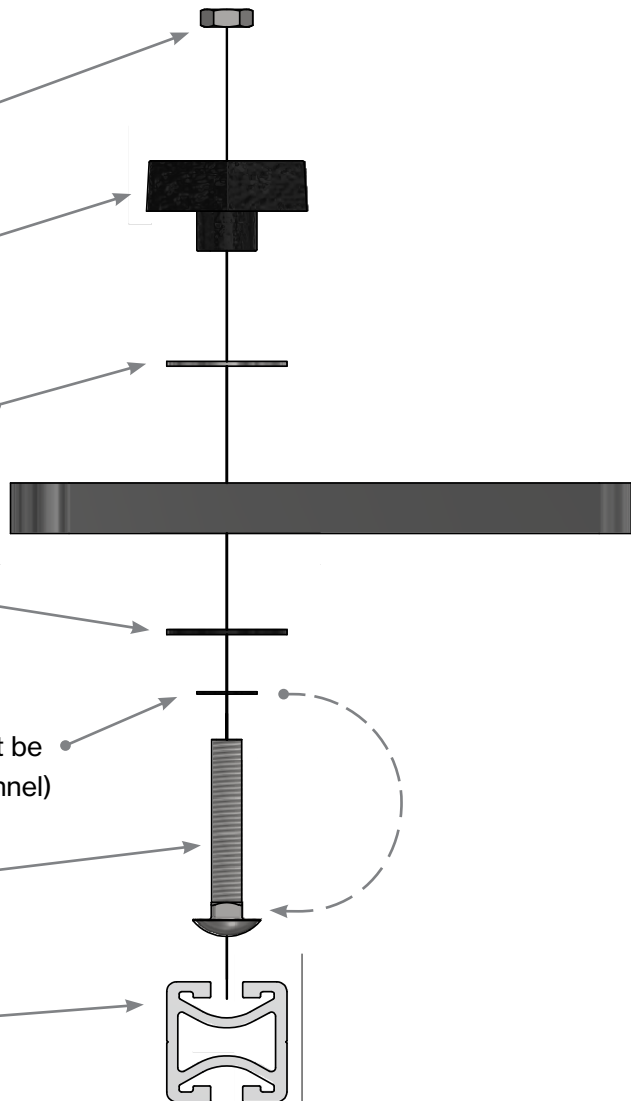
Cleat

Black Nylon Glide Washer
(between cleat and shaft)

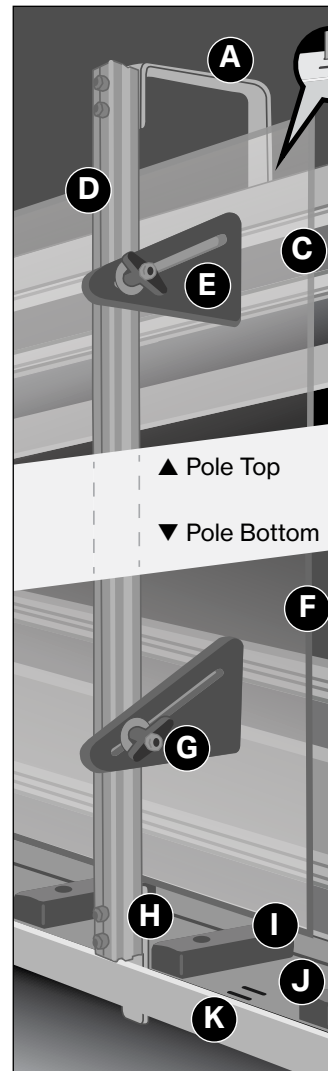
Black .50 Nylon Washer (must be
on carriage bolt inside of channel)

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)
- Always center the load on the rack.
- Consider adjusting the contents inside the vehicle to account for the weight on the rack.
- Properly secure load to rack and tie down all loads with proper sized fasteners, chains, straps, etc. Inspect and test all load securement equipment before use.
- 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

LIMITED WARRANTY

All products manufactured or sold by Seller are warranted to be free from defects in material and workmanship under normal use and service, when installed, used and serviced in the manner intended for a period of one (1) year.

THIS EXPRESS WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, WHETHER EXPRESSED, IMPLIED OR STATUTORY INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS EXPRESS WARRANTY IS NON-TRANSFERABLE.

LIMITATION OF REMEDIES

Buyer's sole and exclusive remedy against Seller will be limited, at Seller's option, to (i) the repair or replacement by Seller of any nonconforming product for which claim is made by Buyer or (ii) the issuance of a credit for such nonconforming product in accordance with these terms and conditions provided Buyer obtains an authorization to return materials from Seller and Seller is given a reasonable opportunity to inspect the product and confirm such nonconformity. This exclusive remedy shall not be deemed to have failed of its essential purpose so long as Seller is willing and able to repair or replace the nonconforming product and, in any event, Seller's liability for any damages due Buyer shall be limited to the purchase price of the nonconforming products. THIS PARAGRAPH DETAILS BUYER'S SOLE AND EXCLUSIVE REMEDY FOR BREACH OF WARRANTY.

LIMITATION ON ACTIONS AND LIABILITY

The statute of limitations applicable to all claims arising under this agreement shall be one year from the date of delivery. SELLER WILL NOT BE LIABLE FOR ANY LOSS, DAMAGE OR INJURY RESULTING FROM DELAY IN DELIVERY OF THE PRODUCTS OR FOR ANY FAILURE TO PERFORM WHICH IS DUE TO CIRCUMSTANCES BEYOND ITS CONTROL. THE MAXIMUM LIABILITY, IF ANY, OF SELLER FOR ALL DAMAGES, INCLUDING WITHOUT LIMITATION CONTRACT DAMAGES AND DAMAGES FOR INJURIES TO PERSONS OR PROPERTY, WHETHER ARISING FROM SELLER'S BREACH OF THIS AGREEMENT, BREACH OF WARRANTY, NEGLIGENCE, STRICT LIABILITY OR OTHER TORT WITH RESPECT TO THE PRODUCTS, OR ANY SERVICES IN CONNECTION WITH THE PRODUCTS, IS LIMITED TO AN AMOUNT NOT TO EXCEED THE PRICE OF THE PRODUCTS. IN NO EVENT SHALL SELLER BE LIABLE TO BUYER FOR ANY INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES, INCLUDING WITHOUT LIMITATION, LOST REVENUES AND PROFITS, EVEN IF IT HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE RIGHT TO RECOVER DAMAGES WITHIN THE LIMITATIONSSPECIFIED IS BUYER'S EXCLUSIVE ALTERNATIVE REMEDY IN THE EVENT THAT ANY OTHER CONTRACTUAL REMEDY FAILS OF ITS ESSENTIAL PURPOSE.

ONE-YEAR EXTENDED WARRANTY

If Buyer purchased a one-year extended warranty on a van or pick-up truck rack, Seller will cover labor and materials for the mechanical failure of any component part of your glass rack system, including under body/top mounts, aluminum posts and slats, rubber padding, ledge, wheel skirts, hucks, and Adjust-A-Poles provided the when the product was subject to normal use and service and installed, used and serviced in the manner intended. Seller will also pay for all shipping or delivery charges associated with the repair or replacement.

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>