Installation instructions for

Aluminum Van Rack

Ford - 1994 to 2014
Chevy - 1996 to present
<table>
<thead>
<tr>
<th>Section 1</th>
<th>Orientation and Required Tools</th>
<th>Page 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 2</td>
<td>Installing Glass Rack with Roof Rack Mounts</td>
<td>Page 5</td>
</tr>
<tr>
<td>Section 3</td>
<td>Installing Glass Rack with Bolt-Through Channel (No Roof Rack Installation)</td>
<td>Page 11</td>
</tr>
<tr>
<td>Section 4</td>
<td>Install Underbody Mounts &amp; Attach Bottom of Rack</td>
<td>Page 16</td>
</tr>
<tr>
<td>Section 5</td>
<td>Install Front Stop</td>
<td>Page 20</td>
</tr>
<tr>
<td>Section 6</td>
<td>Install Non-Attached Slat for Fuel Door Access</td>
<td>Page 21</td>
</tr>
<tr>
<td>Section 7</td>
<td>Assemble Poles</td>
<td>Page 24</td>
</tr>
<tr>
<td>Section 8</td>
<td>Final Inspection Check List</td>
<td>Page 25</td>
</tr>
<tr>
<td>Section 9</td>
<td>Activate Your Warranty</td>
<td>Page 26</td>
</tr>
</tbody>
</table>
Thank You for Choosing MyGlassTruck.com
North 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 1-844-364-4022. Our qualified personnel will gladly provide answers.

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CAUTION
Demountable Concepts, 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 Demountable Concepts, Inc. engineering department at 1-844-364-4022. 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.

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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.

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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 1-844-364-4022. We will be happy to assist you.
SECTION 1  Orientation and Required Tools

BECOME FAMILIAR WITH YOUR GLASS RACK

Mount to Roof Rack Installation
- Glass rack mounting angle (mounts to roof rack)
- Vertical post
- Horizontal slat
- Pole
- Front stop
- Roof rack mount with gutter clip
- Roof rack cross bar
- Wheel skirt
- Ledge
- Underbody mounts (three per rack)

Bolt-Through Channel Installation (No Roof Rack)
- Glass rack mounting hanger (bolt through channel)
- Vertical post
- Horizontal slat
- Ledge
- Wheel skirt
- Pole
- Front stop
- Underbody Mounts (three per rack)
- Rack support clips for rain gutter (one toward front, one toward rear)
SECTION 2
Installing Van Rack with Roof Rack Mount

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. Standard Roof Rack Mounts (4)
B. Short Roof Rack Mounts (2)
C. Rain Gutter Clips (6)
D. Roof Rack Cross Bars (3)

V-3 Hardware Bag for roof mount rack

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SIZE</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hex Cap Screw Stainless</td>
<td>5/16”-18 1-1/2”</td>
<td>12</td>
</tr>
<tr>
<td>Hex Cap Screw Stainless</td>
<td>5/16”-18 2-1/4”</td>
<td>12</td>
</tr>
<tr>
<td>Zinc Nyloc Nut</td>
<td>5/16”-18</td>
<td>24</td>
</tr>
<tr>
<td>USS Flat Washer Stainless</td>
<td>5/16”</td>
<td>48</td>
</tr>
</tbody>
</table>

V-10 Hardware Bag for roof mount rack

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SIZE</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hex Cap Screw Stainless</td>
<td>3/8”-16 2-1/2”</td>
<td>3</td>
</tr>
<tr>
<td>USS Flat Washer Stainless</td>
<td>3/8”</td>
<td>6</td>
</tr>
<tr>
<td>Nylon Insert Locknut Plated</td>
<td>3/8”</td>
<td>3</td>
</tr>
</tbody>
</table>

IF YOU PURCHASED A DOUBLE-SIDED RACK THERE WILL BE TWO V-10 HARDWARE BAGS
SECTION 2  
Installing Van Rack with Roof Rack Mount

**STEP 2: ORIENTATION**

The roof rack mounts vary 1/2” in height. The mounts for the front and rear of the van are 1/2” taller than the mounts for the center to accommodate for the curvature of the roof.

**STEP 3: PRE-ASSEMBLE ROOF RACK MOUNT**

Loosely bolt together the clamp that secures the roof rack mount to the rain gutter as shown.

Use 5/16” x 1-1/2” bolts with lock nuts and washers from V-3 hardware bag.
Section 2  Installing Van Rack with Roof Rack Mount

**STEP 4: DETERMINE PLACEMENT**

Place the front set of mounts 5” behind the driver door (measured to center of mount). The center set of mounts should be placed 55” behind the front mount, or 60” from the door. Place the rear set of mounts 43” behind the center mounts, or 103” from the door.

MOUNT PLACEMENT MAY VARY SLIGHTLY. THE GOAL IS TO KEEP THE CROSS BARS AS CLOSE TO THE RACK’S VERTICAL POSTS AS POSSIBLE.

**STEP 5: ATTACH ROOF RACK TO VEHICLE**

Make sure both sides line up properly. Tighten the clamp bolts so that the mount is loosely attached to the rain gutter. Slide the aluminum cross bars though the opening at the top mount so that an equal amount of the cross bar protrudes outward from each mount. Drill 5/16” holes through the pre-drilled holes in the roof rack mount and cross bar. Bolt together with 2-1/4” bolts shown. Tighten clamp bolts.
Section 2

Installing Van Rack with Roof Rack Mount

STEP 6: ATTACH GLASS RACK TO ROOF CROSS-BARS

Hang the glass rack from the crossbars and temporarily clamp in place as shown. Be sure to check that the fuel door, and front and rear door of the van will be able to open. If the rack does not sit on all three crossbars due to the roof’s curvature place a shim between the glass rack mounting angle and the roof rack crossbar.

Drill 3/8” holes through the mounting angle on the back of the glass rack and the end of each roof rack crossbar. For a strong connection be sure to drill through the center of the angle.

Bolt the rack mounting angle to the crossbars using 3/8” x 2-1/2” bolts from the V-10 hardware bag. Repeat this step for the second rack if you have a double-sided rack.

IT IS IMPORTANT TO RE-TIGHTEN ALL BOLTS ON THE ROOF RACK AND MOUNTING ANGLE
**STEP 7: SET RACK ANGLE**

Set the vertical angle of the glass rack by pivoting the bottom in or out. The recommended angle is 5 degrees. Try to keep at least 1/2” of space between the rack and the van. If the rack and van touch then place rubber or foam padding between them.

---

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

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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.
STEP 8: ADD END HOOKS TO ROOF RACK CROSS BARS

IF YOUR RACK IS DOUBLE-SIDED SKIP THIS STEP

V-11 Hardware Bag

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SIZE</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>L-Shaped End Hooks</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Hex Cap Screw Stainless</td>
<td>3/8&quot; x 1&quot;</td>
<td>6</td>
</tr>
<tr>
<td>USS Flat Washer Stainless</td>
<td>3/8&quot;</td>
<td>6</td>
</tr>
<tr>
<td>Nylock Nut</td>
<td>3/8&quot;</td>
<td>6</td>
</tr>
</tbody>
</table>

Add 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 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.

SKIP AHEAD TO SECTION 4 TO INSTALL UNDERBODY MOUNTS AND ATTACH BOTTOM OF RACK
Section 3: Installing Van Rack without a Roof Rack

STEP 1: LOCATE PARTS AND HARDWARE

V-2 Hardware Bag for Mounting with Bolt-Through Channel

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SIZE</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stainless All Thread</td>
<td>3/8&quot;-16</td>
<td>5</td>
</tr>
<tr>
<td>Hex Cap Screw Stainless</td>
<td>3/8&quot;-16</td>
<td>4</td>
</tr>
<tr>
<td>Nylon Insert Locknut Plated</td>
<td>3/8&quot;-16</td>
<td>9</td>
</tr>
<tr>
<td>Stainless Fender Washer</td>
<td>3/8&quot;</td>
<td>10</td>
</tr>
<tr>
<td>USS Flat Washer Stainless</td>
<td>3/8&quot;</td>
<td>18</td>
</tr>
<tr>
<td>Rubber Wedge Shims</td>
<td>3/8&quot;</td>
<td>10</td>
</tr>
<tr>
<td>Rack Support Clips for Rain Gutter</td>
<td>Long, Chevy Short, Ford</td>
<td>2</td>
</tr>
</tbody>
</table>

STEP 2: DETERMINE PLACEMENT

Place the rack up against the side of the vehicle. Use jack stands or wooden blocks to level the rack and support it at the correct height.
For Ford or Dodge the top of the mounting hanger should be 1/2" below the rain gutter.

For Chevy or GM models the top of the mounting hanger should be 1-3/4" below the rain gutter.

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BE SURE TO CHECK THAT THE FUEL DOOR AND FRONT AND REAR DOOR OF VAN WILL BE ABLE TO OPEN.

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STEP 3: DRILL MOUNTING HOLES

With the glass rack in a satisfactory position, drill five holes through the mounting hanger and the van’s side wall. Make sure that the holes are fairly evenly spaced along the mounting hanger, and that the holes will not penetrate wall supports in the van’s interior.
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.

**STEP 4: SET RACK ANGLE AND ATTACH TO VEHICLE**

Set the vertical angle of the glass rack by pivoting the bottom in or out and adding temporary shims behind each vertical post to hold the rack in position. The **recommended angle is five degrees**. Try to keep at least 1/2” of space between the rack and the van. If they touch one another place rubber or foam padding between them.

The recommended vertical angle is five degrees. Add temporary shims to hold rack in position.

**REMEMBER THE RACK AND VEHICLE MUST NOT EXCEED THE LEGAL OVERALL WIDTH OF 102”**
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.

**STEP 5: RACK SUPPORT CLIPS FOR RAIN GUTTER**

After the rack is bolted to the van, place these stainless steel clips over the van gutter and bolt through the mounting hanger using 3/8” bolts.

- **CHEVY SUPPORT CLIP – 3” TALL**
- **FORD SUPPORT CLIP, 1-1/4” TALL**

⚠️ **THIS CLIP PROVIDES ADDITIONAL STRENGTH AND IS AN IMPORTANT PART OF YOUR RACK. DO NOT SKIP THIS STEP.**
Section 3

Installing Van Rack without a Roof Rack

Locate one clip near the front of the rack and one toward the rear of the rack, just before the gutter curves around at the back of the van. If necessary, add rubber shims provided between the clip and mounting channel.
STEP 1: REVIEW PARTS AND HARDWARE

Before beginning this portion of your installation locate and review all parts and hardware bags. Please call 1-844-364-4022 if anything is missing or you have questions.

UNDERBODY MOUNTS PARTS
A. Horizontal Rack Support (3)
B. Vehicle Attachment Vertical Post (3)
C. Boomerang-Shaped Support Brace (3)
D. Rubber Wedge (3)
E. 4" x 4" Aluminum Wear Plate (3)

V-1 Hardware Bag for Under-Body Mounts

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SIZE</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Self-Tapping Bolt</td>
<td>3/8&quot;-1</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>Hex Cap Screw Stainless</td>
<td>3/8&quot;-16</td>
<td>1&quot;</td>
</tr>
<tr>
<td>Hex Cap Screw Stainless</td>
<td>3/8&quot;-16</td>
<td>1-1/2&quot;</td>
</tr>
<tr>
<td>Hex Cap Screw Stainless</td>
<td>3/8&quot;-16</td>
<td>4&quot;</td>
</tr>
<tr>
<td>Nylon Insert Locknut Plated</td>
<td>3/8&quot;-16</td>
<td></td>
</tr>
<tr>
<td>USS Flat Washer Stainless</td>
<td>3/8&quot;</td>
<td></td>
</tr>
<tr>
<td>Split Lock Washer Stainless</td>
<td>3/8&quot;</td>
<td></td>
</tr>
</tbody>
</table>

IF THE GLASS RACK IS DOUBLE-SIDED THERE WILL BE ADDITIONAL UNDERBODY MOUNTS AND ANOTHER V-1 HARDWARE BAG
STEP 2: PRE-ASSEMBLE MOUNTING BRACKETS:

Your crate contains three underbody mounts for single-sided rack configurations or six underbody mounts for double-sided rack configurations.

Assemble the vertical vehicle attachment post, horizontal rack support and boomerang support brace using 3/8” x 1” bolts and locknuts.

STEP 3: PLACEMENT OF UNDERBODY MOUNTS

The shorter vertical post of the underbody mounts attaches to the van’s chassis/frame and the longer horizontal rack support extends beyond the van’s outer wall to underneath the rack’s ledge. Be sure not to interfere with any components on the van’s chassis when attaching the underbody mounts. 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.
If your rack sits high on the van it may be necessary to cut off the top portion of the vehicle attachment post so the horizontal rack support is closer to the rack’s ledge.

**Locate the underbody mounts on the chassis so the horizontal rack support meets the underside of the glass rack’s ledge. Be sure the horizontal rack support is as close as possible to the glass rack’s bottom ledge.**

**STEP 4: ATTACH MOUNTS TO VEHICLE**

Using self-tapping 3/8" x 1-1/2" bolts with lock washers, bolt the mounting brackets to the van’s frame. Be sure the long arm of the bracket extends under the glass rack’s bottom ledge. Sometimes at the rear underbody mount you can through-bolt with two 1-1/2" x 3/8" bolts, washers and lock-nuts. Once the underbody mounts are installed secure all bolts. Newer Chevy models can use 4” bolts to secure the rear underbody mount to the chassis/frame.

Be sure to use a minimum of two bolts per bracket through the chassis frame. Place one bolt high and one bolt low on the van’s frame. Do not interfere with brake lines, fuel tanks, fuel hoses, etc. You can vary the location of the boomerang shaped supports to work around cables and other obstacles.

*THE BRACKETS MAY HAVE TO BE MODIFIED IF YOU ENCOUNTER OBSTACLES. CALL 1-844-364-4022 IF YOU ARE UNSURE*
STEP 6: ATTACH RACK TO MOUNTS

Place the 4" x 4" aluminum wear plate between top of the underbody mount and underside of the ledge. Trim the plate as needed, then add rubber shims to fill the space.

Drill 3/8" holes through the ledge and top flange of each mounting bracket’s horizontal rack support. Avoid drilling where rubber ledge blocks are located on ledge. Secure using 3/8" x 1-1/2" bolts, washers and nuts.

DOUBLE-CHECK THAT ALL NUTS AND BOLTS ARE TIGHTENED
Section 5

Install Front Stop

STEP 1: LOCATE PARTS AND HARDWARE

V-12 Hardware Bag for Front Stop

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SIZE</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Hex Cap Screw Stainless</td>
<td>1/4&quot; x 2-1/2&quot;</td>
<td>3</td>
</tr>
<tr>
<td>USS Flat Washer Stainless</td>
<td>1/4&quot;</td>
<td>6</td>
</tr>
<tr>
<td>Nylon Insert Locknut Plated</td>
<td>1/4&quot;</td>
<td>3</td>
</tr>
</tbody>
</table>

IF THE RACK IS DOUBLE SIDED THERE WILL BE AN EXTRA FRONT STOP AND V-6 HARDWARE BAG

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.
Occasionally the location of one of the horizontal slats may prevent access to the fuel door. If we suspect that the slat will interfere with the fuel door we will ship it unattached.

### Horizontal Slat Parts List

<table>
<thead>
<tr>
<th>ITEM</th>
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</thead>
<tbody>
<tr>
<td>Horizontal Slat</td>
<td>1</td>
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<tr>
<td>25” Strips of Vertical Rubber Padding</td>
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</tbody>
</table>

### V-4 Hardware Bag for Non-Attached Horizontal Slat

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SIZE</th>
<th>QTY</th>
</tr>
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<tbody>
<tr>
<td>Hex Cap Screw Stainless</td>
<td>1/4&quot;- 20</td>
<td>10</td>
</tr>
<tr>
<td>USS Flat Washer Stainless</td>
<td>1/4&quot;- 20</td>
<td>20</td>
</tr>
<tr>
<td>Nylon Insert Locknut Plated</td>
<td>1/4&quot;- 20</td>
<td>10</td>
</tr>
</tbody>
</table>
STEP 2: ATTACH SLAT TO RACK

Determine the best location above or below the fuel door opening. Also keep in mind the height of the glass you most often transport. Clamp the slat in place and check to be sure it is parallel to the other horizontal slats.

Drill 1/4" holes through the slat and post. Using 1" x 1/4" bolts, washers and nuts attach the slat to the glass rack.

STEP 3: INSTALL VERTICAL RUBBER Padding

Cut the vertical rubber padding provided to the correct length and snap it into the post's channel above and below the installed slat.
Section 7  Assemble Poles

STEP 1: LOCATE PARTS AND HARDWARE

Standard 5-Cleat Poles

<table>
<thead>
<tr>
<th>ITEM</th>
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</tr>
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<tbody>
<tr>
<td>Poles with Bolt-on Hook and Tab</td>
<td>3</td>
</tr>
<tr>
<td>Rubber Cleats</td>
<td>15</td>
</tr>
</tbody>
</table>

V-5 Hardware Bag for Pole Assembly

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nylock Nut</td>
<td>15</td>
</tr>
<tr>
<td>Plastic Wing Nut</td>
<td>15</td>
</tr>
<tr>
<td>Stainless Steel Flat Washer</td>
<td>15</td>
</tr>
<tr>
<td>Black Rubber Glide Washer</td>
<td>15</td>
</tr>
<tr>
<td>Small Nylon Washer</td>
<td>15</td>
</tr>
<tr>
<td>Stainless Steel Bolt</td>
<td>15</td>
</tr>
</tbody>
</table>

IF YOU PURCHASED ADDITIONAL POLES YOU WILL RECEIVE ADDITIONAL HARDWARE
STEP 2: ASSEMBLE POLES

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.

- Nylock nut (tighten flush to bolt top)
- Wing nut
- Stainless steel flat washer
- Cleat
- Black nylon glide washer (between cleat and shaft)
- Small nylon washer (inside channel with bolt)
- Bolt (head slides inside channel)
- Shaft of glass pole with channels

Assembly Top View
Small washer and head of bolt slide inside of channel
CHECK FOR YES

☐ Roof rack is attached to van properly and all bolts are tight (roof rack mount)

☐ All bolts are tight where glass rack attaches to roof rack (roof rack mount)

☐ All bolts are tight where glass rack attaches to van body (bolt-through mount)

☐ 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
SECTION 9  Activate Your Warranty

Complete and return this form within 15 days to activate your warranty.
Please print clearly using block letters.

Return by mail or fax: MyGlassTruck.com  
200 Acorn Road  
Glassboro, NJ 08028  
FAX: 856-863-6704

Rack purchased by:

First and last names:

Street address:

City, State and zip code:

Telephone:

E-mail:

Installation Date:

Rack installed by:  
(If different than purchaser)

First and last names:

Street address:

City, State and zip code:

Telephone:

E-mail:

MyGlassTruck.com is always looking for ways to improve. Please write any comments about our glass racks or these installation instructions here:
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