Installation instructions for

Ram Promaster Rack
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.

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.

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 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)
- Pole
- Horizontal slat
- Vertical post
- Front stop
- Roof rack mount
- 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)
- Pole
- Horizontal slat
- Vertical post
- Ledge
- Wheel skirt
- Front stop
- Underbody mounts (three per rack)
SECTION 2
Installing Van Rack with Roof Rack Mounts

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 Cross Bars (3)
C. R-2 Roof Rack Adapter Kit
D. V-8 Hardware Bag
E. V-1 Hardware Bag

R-2 ProMaster Roof Rack Adapter Kit

<table>
<thead>
<tr>
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<tr>
<td>Inner Brackets</td>
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<tr>
<td>Outer Brackets</td>
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<td>Washer, Lock Washers &amp; Nuts 5/16&quot;</td>
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<td>Stainless Steel Roof Rack Mounts</td>
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Continued
### V-8 Hardware Bag for roof mount rack

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### V-10 Hardware Bag for attaching rack to roof mounts

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<td>Nylon Insert Locknut Plated</td>
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</table>
SECTION 2
Installing Van Rack with Roof Rack Mount

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 over post.

Place the outer part of the roof mount adapter over the carriage bolts.
SECTION 2
Installing Van Rack with Roof Rack Mount

**STEP 3: PLACING CROSSBARS**

After placing the roof rack mounts over the carriage bolts, loosely thread the washers, lock washers and nuts on to the carriage bolts. Slide the 75" crossbars through openings of each of the left and right roof rack mounts so that they protrude an even distance outside of each mount. Tighten the mounting hardware.

Using the predrilled holes in the roof mounts as a guide, drill 5/16" holes through the roof mount. Secure with bolts from the V-8 Hardware Kit.
SECTION 2
Installing Van Rack with Roof Rack Mount

STEP 4: ATTACH GLASS RACK TO ROOF CROSS-BARS

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

Bolt the rack to the cross bars using 3/8" x 2-1/2" bolts. Be sure to drill through the center of the angle on the back of the glass rack. (Bag V-10 Hardware). There will be two V-10 Kits for a double sided rack.

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 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.

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 CROSS BARS**

**V-11 Hardware Bag**

<table>
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<tr>
<th>ITEM</th>
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<td>L-Shaped End Hooks</td>
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</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>
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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 though 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

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<tr>
<td>Stainless Fender Washer</td>
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<tr>
<td>USS Flat Washer Stainless</td>
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<td>18</td>
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<tr>
<td>Rubber Wedge Shims</td>
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⚠️ THIS HARDWARE KIT HAS ADDITIONAL PIECES NOT USED FOR THE PROMASTER ROOF RACK INSTALLATION

STEP 2: DETERMINE PLACEMENT

Place the rack up against the side of the vehicle. Use jack stands or wooden blocking to support the rack. Make sure the carrier does not interfere with any doors.
SECTION 3  Installing Van Rack without a Roof Rack

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

STEP 3: DRILL MOUNTING HOLES

With the glass rack in a satisfactory position, drill 5 holes through the Promaster and the mounting angle. If the Promaster is double walled remove the inside panel wall for the bolts then reinstall the panel when finished.
SECTION 3  Installing Van Rack without a Roof Rack

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 distributions. (See drawing below).

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**
SECTION 3
Installing Van Rack without a Roof Rack

STEP 5: SET RACK ANGLE

Set the pitch of the carrier by moving the bottom in or out. Be sure to keep the rack as close to the Promaster as possible. If the rack is touching the Promaster, be sure to use a rubber or foam pad between the Promaster and the rack. Try to keep about ½” between the rack and the Promaster. A recommended angle is five degrees.

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

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

REMEmber the rack and vehicle must not exceed the legal overall width of 102”
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. Galvanized Steel undermounts (3)
B. Rubber Wedges (3)
C. 4’ x 4’ Aluminum Wear Plate (3)
D. R-1 Hardware Bag

R-1 Hardware Bag for Under-Body Mounts

<table>
<thead>
<tr>
<th>ITEM</th>
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<tr>
<td>Hex Cap Screw Stainless</td>
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</tr>
<tr>
<td>Hex Cap Screw Stainless</td>
<td>3/8” x 4-1/2”</td>
<td>2</td>
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<tr>
<td>Hex Cap Screw Stainless</td>
<td>3/8” x 5”</td>
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<td>Washer Nut</td>
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<td>Locknut</td>
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<td>12</td>
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STEP 2: PLACEMENT OF UNDERBODY MOUNTS

The shorter portion with the pre-formed holes attaches to the underbody mounts and to the van's chassis/frame. The longer horizontal portion extends beyond the van's outer wall to underneath the rack’s ledge which supports the rack. 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.
STEP 3: INSTALL UNDERBODY MOUNTS

It is best to install the front and rear undermounts completely and then fit the center one in when the other 2 are set. When you secure the glass rack to the undermounts you can tweak how the rack sits on the vehicle. Make sure to keep the same pitch at each undermount or the rack could be twisted. Also make sure that the rack is set parallel to the body and not angle in or out, so as to “scoop” air and force your glass off the rack while driving.

Through bolt each undermount to the crossbars under the van that go into the chassis frame. See the following photos for undermount locations. **Use the R-1 hardware kit.**

The undermounts should be “Dry Fit” first as the ends of the undermount may need to be trimmed to fit. The hardware kit also includes some 4” x 4” aluminum plates to serve as reinforcement for the undermount bolts.

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Front undermount location
A. Undermount attached to chassis cross-bar
B. Plate attached on opposite side of cross-bar

Rear undermount location behind rear wheel
A. Undermount attached to chassis cross-bar
B. Plate attached on opposite side of cross-bar
STEP 4: ATTACH MOUNTS TO VEHICLE

Clamp underbody mounts to chassis frame crossbars. Clamp 4" aluminum plate to the other side of the crossbar. Using a 3/8" drill bit, drill through the undermount, crossbar and plate, insert bolt and tighten securely. Be careful if you are using an impact driver/wrench. Overtightening can deform the crossbar support.

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

THE BRACKETS MAY HAVE TO BE MODIFIED IF YOU ENCOUNTER OBSTACLES. CALL 1-844-364-4022 IF YOU ARE UNSURE.
STEP 5: 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

STEP 1: LOCATE PARTS AND HARDWARE

V-12 Hardware Bag for Front Stop

<table>
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</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-12 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.
STEP 1: 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

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
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**  
FAX: 856-863-1480

200 Acorn Road  
Glassboro, NJ 08028

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Rack purchased by:  
First and last names:  
Street address:  
City, State and zip code:  
Telephone:  
E-mail:  
Installation Date:

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Rack installed by:  
(If different than purchaser)  
First and last names:  
Street address:  
City, State and zip code:  
Telephone:  
E-mail:

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