

## INSTALLATION INSTRUCTIONS

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**MyGlassTruck.com**

**Division of Demountable Concepts, Inc**

# Aluminum Sprinter Rack Installation



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## Sprinter Rack Installation

### Installation Instructions

#### ***ATTENTION:***

The success or failure of this equipment could very well depend on a thorough and proper installation. Any missed steps or improper procedures could result in serious injury or death to the installer or end user. Read and understand the contents of these instructions before proceeding.

#### ***IMPORTANT:***

When installed, this Glass Rack must not alter or prevent vehicle compliance to any existing state or federal standards. Each vehicle manufacturer's recommendations should be consulted for compliance.

#### **NOTE TO INSTALLER**

Prior to installation read the entire Instruction guide and all of the Installation Instructions to familiarize yourself with this system.

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## INTRODUCTION

*EVEN THOUGH THE FOLLOWING GOES WITHOUT SAYING, WE FEEL COMPELLED TO STATE . . .*

This Glass Rack system should only be installed by those with sufficient basic skills to understand the installation and operation of glass carrying equipment, along with the equipment on which these systems are installed. These installation instructions are not intended to give rationale for all of the instructions that are given; however, it is the intent of these instructions to give the installer both the operations and what we believe to be the most desirable sequence of implementing these operations. These instructions can in no way expand into an area where they will replace a qualified person, or clear thinking, common sense and a basic knowledge that must be possessed by the installer.

We urge the installer (or anyone else) to call us if they have any questions. We have qualified personnel at our Glassboro, New Jersey plant to answer any questions that you may have. A detailed discussion on the telephone is far more satisfactory and productive than a detailed written explanation.

It has been our experience that a knowledgeable journeyman following these installation instructions and observing the operation of the Glass Carrying System will have sufficient comprehension to enable this person to troubleshoot and correct all normal problems that may be encountered. However, again we urge you to call us at our Glassboro, New Jersey plant if you find any problems during installation or have any doubts or questions.

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## Parts List

### Rack to Sprinter Hardware- Through Body

Bolt 3/8" x 2" with fender washer, washers, nuts x 5

### Under Body Mount Hardware (Through Cross-member)

(3) 3/8" x 1" bolt

(7) 3/8" nylok nut

(4) 3/8" x 3" bolt

(14) 3/8" washer

### Under Body Mount Hardware (Through Ledge)

Bolt 3/8" w/ washers, nuts x 6

3/8" x 1 1/2" w/washers, nuts x 6

Aluminum wear plates



Required tools: Electric Drill or Cordless, 3/8" drill bits, 9/16 and 1/2" sockets and wrenches, impact gun not needed but highly suggested.

## Installation Instructions- THROUGH THE SPRINTER WALL MOUNT NON ROOF RACK MOUNT –

### FOR ROOF RACK MOUNT SKIP AHEAD to PAGE 7

Find the front of the rack, identified by the front body stop

Place the rack up against the side of the vehicle with the upper mount  $\frac{1}{2}$ " below the rain gutter. Use jack stands or wooden blocking to support the rack. Make sure the carrier does not interfere with any doors or fuel openings. Be sure your supports are strong enough to support the weight of the rack.



Set the angle of the carrier by moving the bottom in or out. Be sure to keep the rack as close to the Sprinter as possible. If the rack is touching the Sprinter, be sure to use a rubber or foam pad between the Sprinter and the rack. Try to keep about  $\frac{1}{2}$ " between the rack and the Sprinter. A safe angle is about 6 degrees. Do not exceed the legal width limit of 102"



Drill 5 holes through the Sprinter and through the racks main mounting angle. If the Sprinter is double walled remove the inside panel wall for the bolts then reinstall the panel when finished. Try to drill through the Sprinter where the roof and the wall meet. (See second photo below). Drill from the inside out through the slots (As seen below in second photo). (MGT can not be responsible for torn Sprinter side walls due to improper installation.)



## ROOF RACK MOUNTING OF GLASS RACK

Locate roof rack parts as pictured here.



The Parts are:

3 Aluminum Crossbars

3- Standard open mounts (for the rack side)

3- Long mounts (for the NON-rack side)

12- 5/16 x 1 1/2" bolts w/ nuts and lock washers for bolting aluminum cross bar to mounts

3- 3/8 x 2 1/2" bolts to bolt cross bar to the glass rack

## Install roof rack mounts

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

You can vary these dimensions slightly as they are simply a guide. The object is to keep the cross bars as close to a vertical post on the glass rack as possible for added strength.

Slide in the aluminum cross bars and bolt in using 5/16 x 2 1/4" bolts.

\*Photo below shows the first roof rack mount in the forward position.\*



MyGlassTruck.com **recommends** that all Sprinters should have this roof rack track installed. If the Sprinter **DOES NOT** have this track, then the roof rack will need to be shimmed over the track area and drilled through the Sprinters roof.

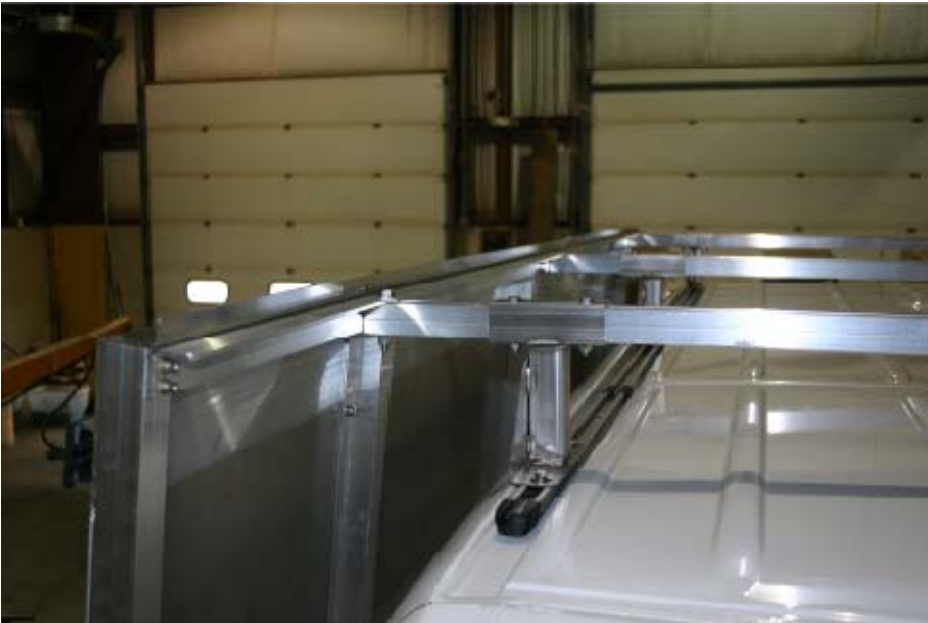


### Hang the rack

Hang the rack from cross bars as shown. Confirm that the rack is at the correct elevation for your vehicle ( **CHECK CLEARANCE FOR THE FRONT DOOR** ) .



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. **Tighten ALL 15 bolts on the roof rack and glass rack.**



## Under Body Mounts

These brackets are very strong and provide load carrying capacity. They will help support the load as well as stabilize the bottom of the rack from moving in and out.



Look under your vehicle. Find the cross-member that is the farthest forward on the glass rack and the one the farthest back to the beginning of the rear wheel. This is where you will install your under body mounts. Use your 3/8" x 3" bolts for the front and middle under body mounts. (See First Photo)

Find the cross-member that is behind the rear wheel and install your under body mount there. Use 3/8" x 1" bolts for this one. (See Second Photo)



Drill through the ledge into the top of the mounting bracket. Secure with 2 - 3/8" bolts. Use our 4 x 4 aluminum wear plate between top of bracket and bottom of ledge. If there is a gap between the under mount and the ledge, add shims so that some of the weight of the rack is pushing down onto the under body brackets.



**Double-check all connections, all nuts and all bolts.**

## Poles

Locate the triangle cleats. You can slide them onto the poles from the top. The bottom has a stop to prevent the cleats from sliding out. Slide the head of the stainless bolt down the track in the pole. Put 3 cleats on one side and 2 on the other.



## FINAL INSPECTION CHECK LIST

- A. ( ) All bolts tight where rack bolts to the van body
- B. ( ) All bolts are tight where the under body mounts secure the rack to the chassis
- C. ( ) All under body mount bolts are tight
- D. ( ) All bolts securing the rack ledge to the under body mounts are tight
- E. ( ) Wheel skirt properly bolted down
- F. ( ) All poles have cleats secured with wing nuts
- G. ( ) Front body stop bolted on securely

**WARRANTY VALID ONLY IF THE FORM BELOW IS COMPLETED AND MAILED BACK WITHIN 15 DAYS OF INSTALLATION.**

**System complete by: (company)-** \_\_\_\_\_  
**(installer's name)-** \_\_\_\_\_  
**(completion date)-** \_\_\_\_\_

MyGlassTruck.com & Demountable Concepts, Inc. is always looking for ways to improve. Please make some comments to help us improve the Van Rack Installation Instructions.

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**COMMENTS:**