



3830 N. Fratney Street ■ Milwaukee, WI 53212  
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## Barkow Model 102-S Roof Rack Installation Instructions

### Before You Begin:

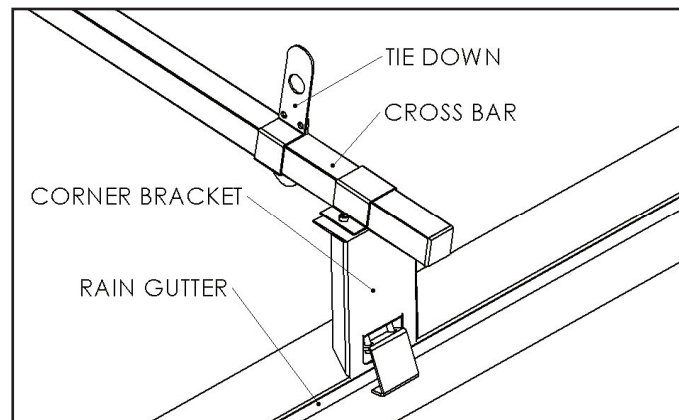
- If you also purchased a Barkow 600 Series Van Carrier, it will be easier to install the roof rack prior to the glass carrier being mounted onto the van.
- This high-quality stainless steel roof rack is designed to fit all American-made cargo and passenger vans with rain gutters.
- The center Crossbar is adjustable vertically to compensate for the gutters' curvature and create a level plane with front and rear Crossbars.
- Total installation time should be under 20 minutes. Most of the roof rack is pre-assembled.

### Tools Required:

- $\frac{7}{16}$ " open-ended wrench
- $\frac{7}{16}$ " socket wrench
- tape measure

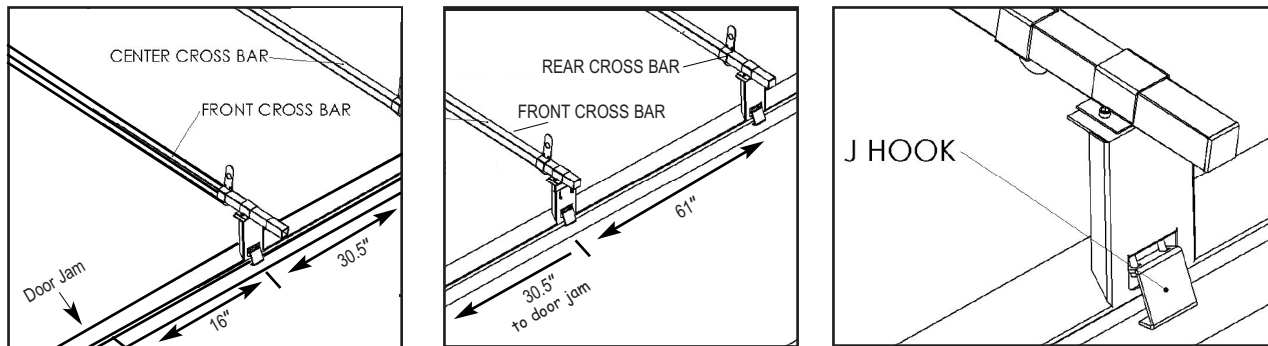
### Installation Instructions:

#### Step 1 – Assemble the Crossbars



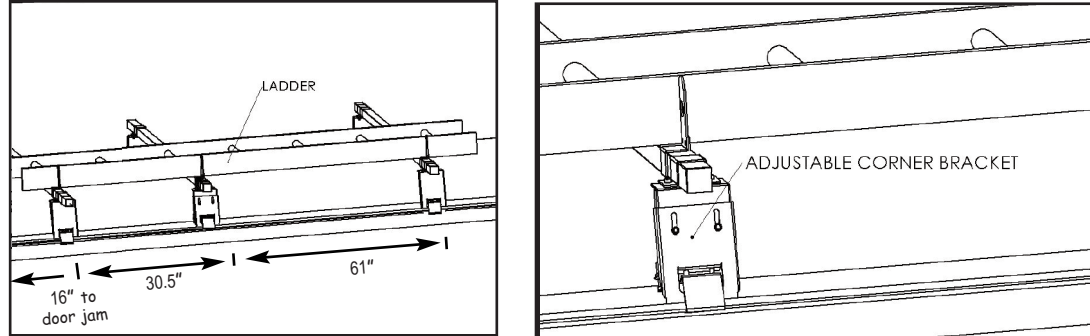
1. Use the Assembly Drawing and Packing Checklist to verify that you have all of the correct parts.
2. Slide two (2) tie-downs onto the center of each Crossbar. Finger-tighten to secure them in place. You will wrench-tighten them later.
3. Slide two (2) Corner Brackets onto each Crossbar. Install the adjustable Corner Brackets on one Crossbar. This will be the center Crossbar on the van. Finger-tighten brackets to secure them in place temporarily.

## Step 2 – Position Front and Rear Crossbars



- Carefully place the Front and Rear Crossbars loosely onto the van.
  - Front Crossbar** must be placed approximately 16" back from Door Jam.
  - The Corner Brackets should fit into the gutter putty and the J-Hooks around the outside edge of the rain gutter.
- Center the Crossbars on the Corner Brackets, measuring from the end of each Corner Bracket to the end of each Crossbar.
- Loosely** tighten the  $\frac{7}{16}$ " bolts connecting the Corner Brackets to the Crossbars.
- Loosely** tighten the  $\frac{7}{16}$ " bolts under the Corner Brackets clamping the J-Hooks against the outside of the rain gutter.

## Step 3 – Position center Crossbars



- Carefully place the Center Crossbar loosely onto the van. Locate this Crossbar approximately  $30\frac{1}{2}$ " from the Front Crossbar. Tighten the bolts securing the J-Hooks to the gutter just as you did for the front and rear Crossbars.
- Determine the necessary height for the center Crossbar. Place a ladder, or anything else rigid and level across the Front and Rear Crossbars. Slide the Center Crossbar up to meet the bottom of the ladder and tighten the  $\frac{7}{16}$ " bolts firmly.
- Reposition the Crossbar Tiedowns wherever desired. Firmly tighten all bolts.

❖❖ **Important: Re-torque all bolts and fasteners after two weeks to adjust for settling.** ❖❖

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