



ROOF RAILS INSTALLATION INSTRUCTIONS  
(68" and 78" RAIL LENGTHS)



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Before contacting/returning this product to your place of purchase, contact **Perrycraft, Inc.**® at 336-372-2545 for any technical questions, problems, missing parts, etc., upon opening your product and verifying all parts are present.

**RETURNS:** Any product to be returned must be returned to the place of purchase, and is subject to the seller's returns policy. *DO NOT* return to Perrycraft unless instructed to do so in writing.

**IMPORTANT NOTES:**

**RACK LOCATION:** Perrycraft's products are manufactured to be installed into the skin of the roof panel of vehicles. They are not designed to line up or be installed at the factory fitment points available on some vehicles.

**INSTALLATION HARDWARE:** The included hardware pack contains screws for securing this rail set to a sheet metal roof or metal surface. To install this rail set on fiberglass or composite camper tops, tonneau covers, or Jeep® tops, please contact your seller to purchase hardware pack HWAVTC-UV, or call 336-372-2545 to purchase directly from **Perrycraft, Inc.**®

**SIDE RAIL CURVATURE:** **Perrycraft, Inc.**® manufactures racks and rails that are size specific, not vehicle specific. Therefore, the bow of the rails (front to back) may need adjusting. Place the rails (without the stanchions) on the roof in the desired location. Ideally, the rails should match the roof curvature. The ends of the rails should touch the roof and the center should be no more than 3/16" off the roof surface. The rails can be adjusted (more bow or less bow) by placing the ends of the rails on supports and either pressing down from the top (to take away bow), or pressing down from the bottom (to add more bow). Rails are heat treated aluminum, therefore, very strong. Several attempts of adjustment may be required to get the correct curvature.

Retain these instructions. They are useful if contacting Perrycraft for information, parts, or service.

### ITEMS NEEDED (NOT INCLUDED)

- Measuring Tape
- Masking Tape
- Marker
- Drill
- 1/8" Drill Bit
- Phillips Screwdriver
- Rag and Cleaner for roof

### CONTENTS:

- 2 – Side Rails (Rails will be 14" shorter than last two numbers of part number (ex. AV3648-B, rails are 34"))
- 2 – Left Stanchions
- 2 – Left Stanchion Covers
- 2 – Right Stanchions
- 2 – Right Stanchion Covers
- 1 – Hardware pack
  - 4 – 1/4" Flat Washer
  - 1 – 5/32" Allen Wrench
  - 4 – #8 x 5/8" Truss Phillips A-B
  - 12 – #10 x 3/4" Pan Phillips Screw – Waxed
  - 2 – #10 x 1" Pan Phillips Screw – Waxed
  - 4 – Neoprene Stanchion Pads (Universal)
  - 2 – Center Posts

### ASSEMBLY AND INSTALLATION:

Installation will include assembling the rails, placing them on the roof and marking the hole locations, removing the rails and drilling pilot holes at the marked locations, cleaning the roof, and securing the rails to the roof.

1. Slide one post into groove on bottom of each rail and place in the center.
2. Insert stanchions into rails. The open screw hole on the upper portion of the stanchion will be on the open side of the rail. Line up the holes and loosely install the #8 x 5/8" screws.
3. Place assembled rails onto roof in desired location (approximately 2-3 inches forward of the back hatch joint) and adjust as necessary to get the rails as parallel to the body seams and/or ribs or drain channels as possible. Open hatch to insure it does not come in contact with stanchions.
4. Secure the rails in the desired position using masking tape, insuring not to cover the hole locations. Mark the three hole locations in each stanchion and one on each post and remove rails.
5. Drill pilot holes where marked using 1/8" drill bit going no deeper than 1/2", being careful not to penetrate interior headliner. Clean roof, removing all drill chips.
6. Place rails back onto roof, lining up with drilled holes. Place neoprene pads under each stanchion, flipping them as necessary to line up with the stanchion profile.
7. Put one 1/4" washer over the hole that is closest to the "toe" of the stanchions.
8. Using hand screwdriver, secure stanchions to roof using supplied #10 x 3/4" pan head waxed screws and the posts using #10 x 1". Do not overtighten. Snug is enough.
  9. Insert covers to matching stanchions (A-L cover to A-L stanchion, A-R cover to A-R stanchion). The vertical blade will insert at the rail/stanchion connection, with the cutout going around the screw shank. Press the toe of the cover

downward until the cover snaps into the tab slots on the stanchion.

10. Tighten the rail/stanchion connection screws at all four locations.

### NOTES AND WARNINGS:

- For carrying cargo, **Perrycraft, Inc.**® recommends adding our Mont Blanc Gripper® Load Bars or equivalent to your Aventura® Roof Rails. See our website at <http://www.perrycraft.com> for more information.
- Do not use rails if a part is cracked or broken. Contact Perrycraft, Inc.® by phone at 336-372-2545 or by e-mail to [techsupport@perrycraft.com](mailto:techsupport@perrycraft.com) for assistance with obtaining a new component.
- External roof rails do not increase the GVWR of the vehicle. Total occupant and cargo load should not exceed the manufacturer's rated vehicle capacity.
- Torque applied to any straps, cords, etc. holding down gear or equipment also increases the "load weight" to the roof.
- Large or flat items such as plywood, ladders, lumber, hang gliders, canoes, kayaks, etc., can trap air and create wind lift. Secure the ends of long objects directly to the front and back bumpers or tie-down positions.
- Bulky or tall loads can create tremendous horizontal wind resistance from headwinds and crosswinds. Extreme caution should be used when transporting such loads.

### ENHANCE YOUR ROOF RAILS:

Add our Mont Blanc Gripper® Load Bars to these Roof Rails, providing:

- ✓ **220-Pound Load Capacity** for carrying most any load type!
- ✓ **Rectangular bars** available in 47" and 62" crossbar lengths, galvanized steel with black vinyl cover.
- ✓ **AeroWing Bars** available in 47" lengths, Satin anodized aluminum extrusion with black vinyl insert in top of crossbar.
- ✓ **Theft-Proof**, Locking clamp assemblies adjust for variable spacing between roof rails, as well as:
- ✓ **Full front-to-rear adjustability** allows for spacing between crossbars to accommodate various load types
- ✓ **Rubber-padded clamps** protect roof rails from damage.
- ✓ **3-Year** Manufacturer's Limited Warranty



**Square Bar**



**AeroWing Bar**



**Quick Installation/Removal**



**Key-locked Security**

## FITMENT RANGES:

Note: Last 2 digits in Part #'s below indicate crossbar length in inches. Measure the spacing between the rails just installed.

### Rectangular Bars (22x32mm Black):

MB3747-B Fits side rails spaced 31-45 inches apart

MB3762-B Fits side rails spaced 41-61 inches apart

### AeroWing Bars (25x62mm aerodynamic Satin-Gray)

MB3747-AW Fits side rails spaced 30-45 inches apart

**Perrycraft, Inc.®** offers a wide range of [Sports Equipment Carriers](#) for both crossbar styles.



See our website at <http://www.perrycraft.com> for more information.

## **Perrycraft, Inc.®** Warranty Agreement

### Three Year Limited Warranty

**Perrycraft, Inc.®** warrants this product against defective materials and workmanship to the original owner for a period of three (3) years from purchase/install date. This warranty is not valid if product is transferred to another person. **Perrycraft, Inc.®** provides no warranty and accepts no liability for normal wear and tear, incorrect installation, damage to vehicles, property, and/or equipment, nor damage arising from improper use. The sole remedy under this warranty agreement is replacement of component parts during the warranty period. You may be required to send in the component in question (at your expense) to have the part evaluated for a warranty claim.

If you have a warranty issue, and for faster service, please email a digital photo of the product/component in question, a brief description of the situation, and a copy of your purchase receipt to [techsupport@perrycraft.com](mailto:techsupport@perrycraft.com). Our staff will contact you as soon as possible to resolve the issue.

## Registering Your Perrycraft Product

Thank you for your purchase of our product. Our goal is to manufacture quality products that meet or exceed your expectations. We want to make sure the product you have is registered with us in case there are any issues that may arise. Please register your product by sending an email to [customerservice@perrycraft.com](mailto:customerservice@perrycraft.com) with your name, product purchased, purchase date, install date (if different than purchase date), phone number, and a scanned copy of your receipt. We promise not to send spam emails, but may contact you periodically with updated product information, questions about your usage for research purposes, or safety information.

**Perrycraft, Inc.®** does not assume responsibility for style or size of rails installed, improper installation, load securing methods, vehicle roof strength, wind lift, or any other factors beyond its control.