



## ROOF RACK INSTALLATION INSTRUCTIONS (ALL RAIL LENGTHS)



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

**NOTE:** 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.

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

**NOTE:** 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 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 1/2" off the roof surface. The rails can be adjusted (more bow or less bow) by securing one end of the rail to a solid surface, holding the other end, and applying moderate pressure to the rail where adjustment is needed.

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

### ITEMS NEEDED (NOT INCLUDED)

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

### CONTENTS:

- 2 – Side Rails (Rails will be 1" shorter than last two numbers of part number (ex. ST3649-B, rails are 48"))
- 2 – Cross Bars (Cross bars will be 7" shorter than first two numbers of part number (ex. ST3649-B, cross bars are 29"))
- 4 – Stanchions (2 Left – 2 Right) (Stanchions can be placed in numerous configurations; 4 facing forward, 2 forward-2 back, 4 back)
- 1 – Hardware pack
  - 4 – #8 x 1/2" Pan Phillips – Blunt End
  - 8 – #10 x 1/2" Truss Phillips – Waxed (10 screws for 49" rails, 12 screws for 59" rails, 14 screws for 69" rails, 16 screws for 79" rails)

- 4 – #10 x 3/4" Pan Phillips – Waxed
- 4 – SportQuest/SporTrek Rail End Cap
- 4 – SportQuest/SporTrek Rail Tie Down Loop

**ASSEMBLY AND INSTALLATION:** Assembly and installation will include putting the rack together, placing the rack on the vehicle and marking the hole locations, taking the rack off, drilling holes at the marked locations, cleaning the roof, putting the rack back on, and installing the securing the rails to the roof.

1. Insert Cross Bars into Stanchions, one Right and one Left on each Cross Bar and secure using supplied #8 x 1/2" pan head screws on underside of rail.
2. Slide 2 Tie-Down Loops onto each Rail and place in the middle.
3. Slide Stanchions onto Rails in desired configuration, one from each end, making sure all hole locations on rails are visible. (Loosening of the Adjustment Knob may be necessary to allow the Stanchions to slide on.
4. Tighten Adjustment Knobs sufficiently to hold Stanchions in place, but loose enough to allow Rails to swivel and conform to the roof contour.
5. Place Rack and Rail End Caps in desired location. Rack must sit squarely on the roof for cross bars to adjust. Make sure rail distance is the same apart at the front as it is in the rear (parallel). Mark mounting holes. Remove rack.
6. Drill pilot holes where marked using 1/8" drill bit, being careful not to penetrate interior headliner.
7. Place rack on roof. Using handheld screwdriver, secure rails using supplied #10 x 1/2" truss head waxed screws. Do not overtighten. Snug is enough.
8. Secure end caps to roof using #10 x 3/4" Pan head waxed screws.

**NOTES AND WARNINGS:**

- All fasteners, knobs, and securing methods should be checked frequently and tightened as necessary.
- It is recommended that the cross bars and any accessories be removed when not transporting items and before entering a car wash.
- Do not use rack if a part is cracked or broken. Contact **Perrycraft, Inc.**® by phone at 336-372-2545 or e-mail to [techsupport@perrycraft.com](mailto:techsupport@perrycraft.com) for assistance with purchasing a new component.
- External roof racks do not increase the GVWR of the vehicle. Total occupant and cargo load should not exceed the manufacturer's rated vehicle capacity.
- Maximum load for this rack is 75 pounds, evenly distributed on the cross bar assemblies. Torque applied to any straps, cords, etc. holding down gear or equipment also increases the "load weight" to the cross bars and 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.

## **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 rack installed, improper rack installation, exceeding rack load limit, load securing methods, vehicle roof strength, wind lift or any other factors beyond its control.

Wind noise is a definite when carrying items on top of a vehicle. It is also possible with nothing on the bars. Sometimes wind noise can be alleviated by moving the front cross bar toward the rear of the vehicle. If wind noise persists, remove cross bars when not transporting items, or a wind fairing may need to be purchased and installed.