



Universal Mounting Hardware
for Installation on Fiberglass/Composite Surfaces
& Vehicle Roofs Requiring Bolt-Thru Installation



NOTE: Image may represent more than the number of fasteners required.

To be used in conjunction with the instruction sheet and parts from our standard SportQuest®/SporTrek® Roof Rack hardware kit included with the unit.



1549 US Highway 21 South
Sparta, NC 28675
336-372-2545

customerservice@perrycraft.com
www.perrycraft.com



Roof Racks Hardware Kit for Fiberglass Mounting or Bolt-through Installations

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



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.

WARNING: Do not use sheet metal screws to attach roof racks to fiberglass roof panels or bolt-through applications! If used, warranty is null and void.

IMPORTANT NOTE: Please review these instructions and the detailed installation diagrams Pages 5 & 7 in their entirety before drilling any holes to ensure a trouble-free installation and finished product!

For SportQuest Pad-Mount Installations: Use the enclosed hardware as outlined for use on rails / tracks, except for 1/8" Foam Washers!! Follow original instructions from Pad-mount kit for assembly, substituting original-kit sheet metal fasteners with the special fiberglass mounting components contained in this universal hardware kit.

TOOLS REQUIRED:

- Hand drill
- 3/16 drill bit (2 or longer)
- 9/32 drill bit
- Phillips Screwdriver
- Pliers and/or Adjustable Wrench

CONTENTS:

- 8 - #10-24 x 1" Stainless Phillips Head Machine Screws
- 4 - #10-24 x 1¼" Stainless Phillips Head Machine Screws
- 12 - #10-24 Propeller Tee Nuts
- 12 - 1 1/8" Retainer Washers
- 12 – Black Snap-on Caps
- 12 - 3/16"x3/8"x1/32" Neoprene Washers
- 12 - 3/16"x1/2"x1/8" Foam Washers
- 12 - #10-24 NyLok Nuts
- 12 - 1/4" Stainless Steel Flat Washers
- 1 - Instruction Sheet

Shorter racks may not require all fasteners included.

If you should need additional fasteners, check your local hardware store or contact **Perrycraft, Inc.**® at 336-372-2545.

IMPORTANT NOTE: For roofs exceeding 1" in thickness, substitute proportionately longer stainless machine screws for the screws furnished. For truck caps not having sandwiched core/hollow core roof panels, or for mounting outside a hollow core area, or for mounting in any roof less than ½" thick, the propeller tee nuts will not be used.

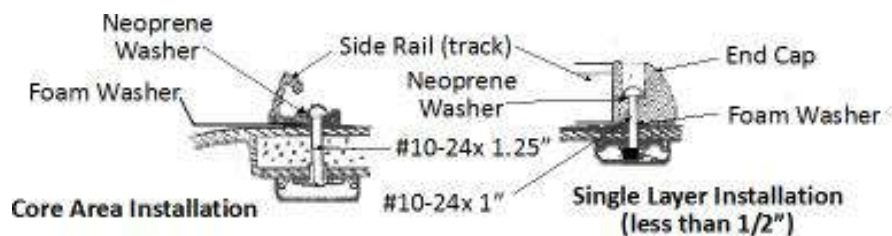
SIZING & RAIL POSITIONING: Determine the thickness of the roof where rack is to be mounted. If mounting inside the core area of a fiberglass roof, side rails should be positioned so that mounting hardware penetrates the core a minimum of 1" in from edges of core. If mounting outside core area, position rails so that mounting hardware penetrates a minimum of 1" outside edges of the core. Roof rack width can be decreased if necessary by cutting down crossbar lengths.

ASSEMBLY (See Figure 1, Page 5):

1. **Revert to Instruction Sheet provided with *SportQuest*® or *SporTrek*® Roof Rack for Stanchion & Stanchion-to-Side Rail Assembly.**
2. Install 3/16"x3/8"x1/32" neoprene washers on all machine screws positioning washers under heads of screws.
3. Install 3/16"x1/2"x1/8" self-adhesive foam washers to bottom of side rails at each mounting hole being utilized (see NOTE following).

NOTE: You may be installing a rack having the number of mounting holes in the side rails designed for sheet metal roof application (more mounting holes than fasteners provided in this kit). If so, select/use a minimum of 4 holes

in each rail that will provide equal spacing between the fastener positions. Drill through all roof layers at these holes only! **DO NOT drill at any other hole locations.**



(Neoprene washers under screw heads, foam washers underside of side rail/track and end caps at chosen positions, minimum recomm. 4 per side rail/track + 1 per each end cap)

Figure 1

INSTALLATION (See Figure 2, Page 6:

1. Position roof rack in desired location on cap roof. Tighten adjustment knobs securely. Mark location of rack.
2. Remove rack. Recheck location to insure that mounting fasteners will penetrate through core area of roof a minimum of 1" inside or outside the outer edges of core area, based on desired mounting location relative to core area.
3. Reposition rack in desired location. Beginning with pre-drilled holes nearest each end of each rail, select/use a minimum of 4 holes in each rail that will provide equal spacing between the fastener positions. Drill 3/16" holes thru all roof layers. inserting machine screws as holes are drilled to prevent rack from shifting as remaining holes are drilled.
4. Install 3/16" self-adhesive foam washers on bottom of rail end caps. Place end caps flush against ends of rails.

Hold in place and drill 3/16" hole through all roof layers. If installing outside core area, proceed to Step 8 now.

5. From inside truck cap, use 9/32" drill bit to ream out all drilled holes through the inner fiberglass layer only! **NOTE:** If the cap has a fabric liner glued to inside of roof, place a long nail or screw down through mounting holes to aid in locating drilled holes in liner.
6. Assemble propeller Tee nuts and retaining washers with flange side of washer down and toward floor of truck bed and barrel of Tee nut toward roof. Press barrel of Tee nuts into the 9/32" holes until flush with roof.
7. Insert #10-24x1" machine screws down through holes and roof at each end of side rail and screw into tee nuts, using minimal downward pressure to prevent forcing tee nuts out of holes. Be sure each machine screw has a neoprene washer, and that the underside of each side rail end cap and rail hole being utilized has a foam washer installed. **Do not overtighten**, as excessive screw torque may damage fiberglass layers or core material and/or force neoprene washers from under screw heads. Use of a liquid thread lock on machine screws is recommended. For end caps, repeat this procedure using #10-24 x 1-1/4" machine screws. Proceed to Step 9 now.
8. **Installing outside core area or roof thickness less than 1/2":** (Two people required for this step) Insert #10-24x1" machine screws down through rails. Place 1

1/4" Stainless Steel flat washer and 1/4" lock nut. Tighten securely. **Do not overtighten**, as excessive screw torque may damage fiberglass layers or core material and/or force neoprene washers from under screw heads. For end caps, repeat this procedure using #10x24x11/4" machine screws.

9. Snap black plastic screw covers onto retaining washers (Break away any excessive screw shank flush with top of tee or lock nut if necessary to enable plastic screw cover to snap on to retainer washer).
10. Position crossbars in desired location and tighten adjustment knobs securely.

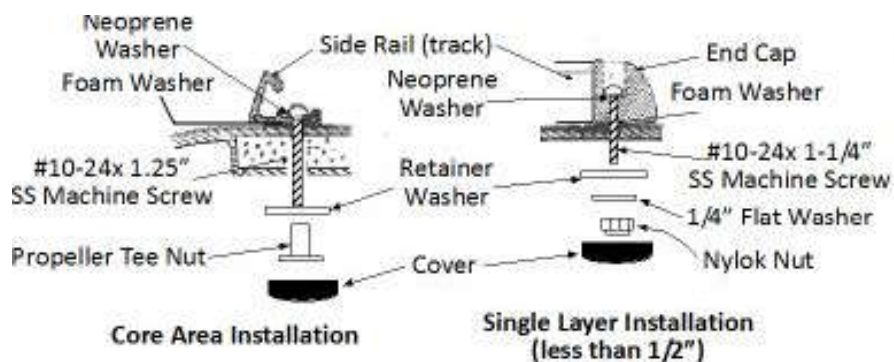


Figure 2

Add-ons for your SportQuest® or SporTrek® Roof Rack:

Perrycraft, Inc.® offers a wide range of [Sports Equipment Carriers](#) for your active lifestyle.



See our website at www.perrycraft.com for more information on Load Bars & Sports Equipment Carriers.

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, your contact information, and a copy of your purchase receipt to 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 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.

