

Aventura Roof Rack - Installation Instructions

CAUTION: Do not use the mounting hardware contained in this rack to install on Fiberglass or Composite Plastic surfaces. Supplemental hardware pack, part# **HDAVTC-UV**, is required for installing this rack on such non-metal surfaces. If installing on a Fiberglass or Composite Plastic surface, please contact the Distributor from whom the rack was purchased or contact the Perrycraft Customer Service Dept at 800-777-7081 to obtain the necessary supplemental hardware pack.

Notice: As a “universal” roof rack designed to fit several different vehicles, the “curvature” of the side rails may or may not exactly match the roof contour of a particular vehicle. **If unit includes center support posts** (68” and longer rails), the rails should be “dry fit” to the roof panel before installing. Carefully place one of the side rails (without end stanchions) on the vehicle roof in the approximate location to be installed. The curvature of the rail should approximate the roof contour. If there is more than a 3/16” gap between the ends of the rail and the vehicle roof panel (or at the center of the rail), “bench adjusting” the curvature of the side rails is required. Adjustment may be accomplished by suspending the rail between two points (4 x4 wooden blocks, etc) and, with hands spaced shoulder width apart, applying pressure to the rail in the direction to either increase or decrease the rail curvature. Note: although made of extruded aluminum, the side rails are heat-treated for added strength. Therefore, adequate pressure must be applied to alter the curvature of the rails. Several applications of such pressure may be required to “spring” the rail curvature the desired amount.

CONTENTS: 2 - side rails; 2 - crossbars; 4 - crossbar connectors; 2 - Left rail end stanchions and mating covers; 2 - Right rail end stanchions and mating covers; 2 center support posts (rails 68” & longer); 1 set - 5 PVC self-adhesive roof slats; 1 – hardware pack.

Tools required: Phillips screwdriver; electric drill; 1/8” drill bit; center punch; pencil or marker; allen wrench (included in hdwe pack).

- a) Slide center posts into groove on bottom of rails (applicable only on racks of 68” or more in length).
- b) Slide crossbar connectors into opening on inside of rails and loosely tighten connector lock tab screws (Diagram #1 on reverse).
- c) Install end stanchions to side rails using the #8 x 5/8 thread-cutter screws. Do not tighten screws completely at this point.
- d) Install crossbars into crossbar connectors and secure with #8 x 5/8 screws thru slot-opening in connector and into pre-drilled holes in bottom of crossbars. Note: The “slip-joint” style connectors provide limited, non-parallel installation of side rails on vehicles having rib patterns or roof panel seams that are not parallel to each other. Typically rails should be installed parallel to each other.
- e) Place assembled rack in desired position on vehicle roof. If center posts are included in the unit, the posts should be positioned approximately midway along the length of the rails. Mark location of all mounting holes on the roof panel.
- f) Place roof slats evenly spaced left to right and running parallel to side rails. If the vehicle roof has “raised ribs” formed in the roof panel, the roof slats should be positioned on top of said ribs provided the rib surface is wide enough. On vehicles with more than 5 ribs in the roof, the roof slats should be installed on the 4 interior center ribs. Mark location of all slats being used.
- g) Remove the rack and roof slats. Clean the roof where the slats will be located, using an adhesion cleaner/promoter such as Pro-bond, Titer-bond, etc. If such a promoter is not available, denatured alcohol or acetone should be used to clean the roof.
- h) Peel back several inches of the red liner on the slat tape and reposition the slat in the marked location, pressing firmly at the point of adhesion to the roof panel. Continue peeling tape liner from underneath the slat and pressing firmly to adhere slat to roof. Repeat for each roof slat being installed. Note: do not wash vehicle for at least 48 hours to insure proper adhesive curing.
- i) Locate and lightly center punch each of the rack mounting holes. Drill fastener pilot holes using 1/8” drill bit taking care not to allow drill bit to penetrate vehicle headliner. Clear all metal drill chips from roof panel.
- j) Reposition rack on roof panel and install using #10 x 3/4 waxed screws. At outer most holes in each stanchion, use the included 1/4” nylon washers under head of each screw. Note: use #10 x 1” waxed screws in center posts if center post are included.
- k) Loosen the #8 stanchion-to-rail screws approximately 2-3 complete turns to allow installation of the stanchion covers.
- l) Position a mating stanchion cover as shown in diagram # 2 with the blade of the cover sliding into the gap between the wall of the stanchion tongue and the center wall of the rail extrusion while aligning the Cover Lock Tab to slide under the small square arch in the base. With cover properly aligned, only moderate forward pressure will be required to slide cover in place. As the cover slides into proper position, the cover lock tab will “snap” into the mating “lock notch”, securing the cover to the stanchion base.
- m) With covers properly installed, firmly tighten all stanchion-to-rail screws, while applying slight pressure to the top of each cover to insure proper seating of the cover to its mating stanchion base.
- n) Position crossbars in desired location and securely tighten each 1/4 -28 x 1/2” crossbar connector lock tab screw using the included allen wrench.

Diagram # 1

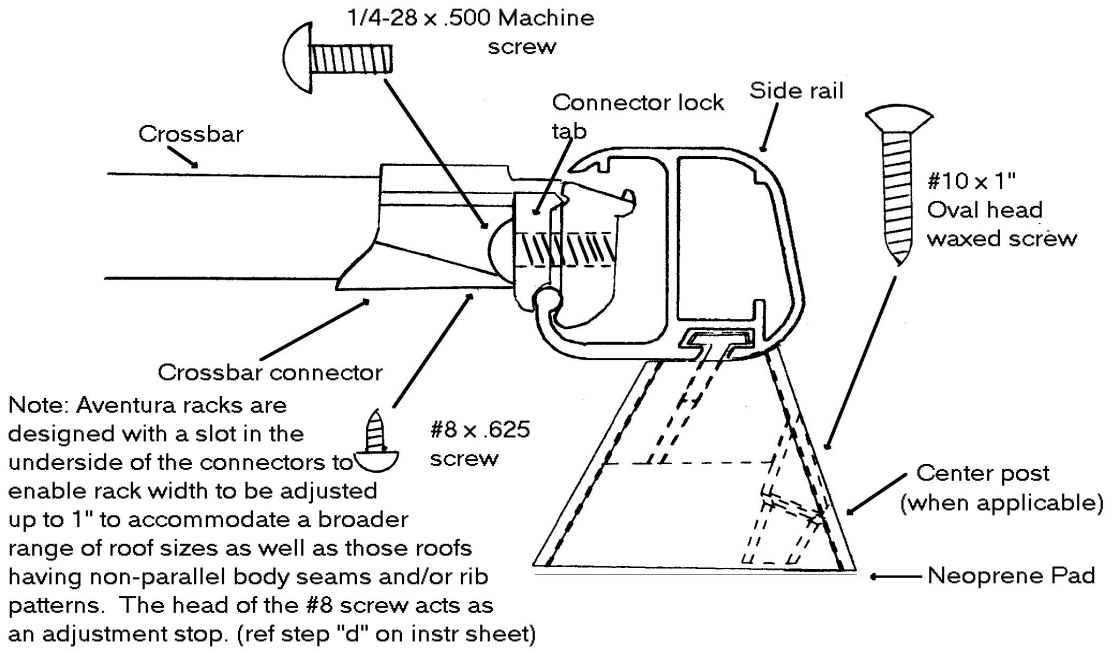


Diagram #2

Slide blade of cover into slot between base and wall of side rail, insuring slot in blade seats around shank of screw while also sliding cover lock tab under / thru arch opening at rear of base.

