

Aventura Roof Rails - Installation Instructions

CAUTION: Do not use the mounting hardware contained in this unit to install rails on Fiberglass or Composite Plastic surfaces. Supplemental hardware pack, part# **HDAVTC-UV**, is required for installing rails on such non-metal surfaces. 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 if installing these roof rails on a Fiberglass or Composite Plastic surface.

Notice: As “universal” roof rails designed to fit several different vehicles, the “bow / curvature” of the rails may or may not exactly match the roof contour of a particular vehicle. If unit includes center support posts (rails 68” and longer), the rails should be “dry fit” to the roof panel before installing. Carefully place one of the rails (without end stanchions or center posts) 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 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 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 - Left end stanchions (supports) and mating covers; 2 - Right end stanchions and mating covers; 2 center support posts (rails 68” & longer); 1 – hardware pack.

Tools required: Phillips screwdriver; electric drill; 1/8” drill bit; center punch; pencil or marker.

- Slide center posts into groove on bottom of rails (applicable only on rails of 68” or longer in length).
- Install end stanchions to side rails using the #8 x 5/8 self-threading screws. Do not tighten screws completely at this point.
- Place assembled rails in desired position on vehicle roof. If center posts are included in the unit, the post should be positioned approximately midway along the length of the rails. Mark locations of all mounting holes. Remove rails from roof.
- Locate and lightly center punch each of the marked mounting hole locations. 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.
- Reposition rails on roof panel and install using the #10 x 3/4” waxed screws. **NOTE:** At outer most hole in each end stanchion, use the included 1/4” nylon washers under head of each screw. Note: use #10 x 1” Oval Head waxed screws to secure center posts.
- Loosen the #8 x 5/8 stanchion-to-rail screws approximately 2-3 complete turns to allow installation of the stanchion covers.
- Position a mating stanchion cover as shown in diagram 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. When cover is correctly aligned, apply moderate forward pressure on the cover insuring the cover lock tab slides under the arch opening in the base. As the cover slides into position, the lock tab will “snap” into the mating “lock notch” in the bottom of the stanchion base.
- With covers properly installed, firmly tighten the four 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.

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.

