



## Roof Rails and Truck Bed 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# HWAVTC-UV, is required for installing rails on such non-metal surfaces. Please contact the Distributor from whom the unit 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.

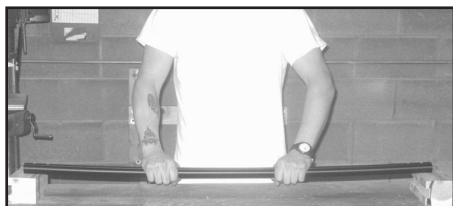
**CONTENTS:** 2 - side rails, 2 - Left end supports and mating covers; 2 - Right end supports and mating covers; 4 - Universal Neoprene end support pads, Center Support Posts: 2-posts and Neoprene Pads in 68" & 78" Roof Rails, 4-posts and Neoprene Pads in 88" Roof Rails and all Bed Rails; 1 - hardware pack (Containing 4-#8x5/8" self-threading screws; 12-#10x3/4" waxed-tip pan head screws; 4-1/4" Stainless Steel Flat Washers; #10x1" Waxed-tip Oval-head Screws: 2-screws in 68" & 78" Roof Rails, 4-screws in 88" Roof Rails and all Bed Rails; and 1-instruction sheet).

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

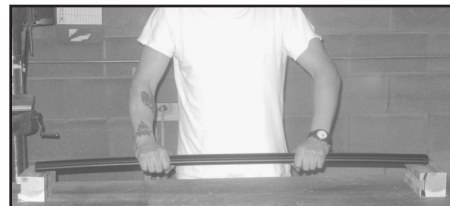
For Truck Bed Rail installation, skip to Step 2.

- As "universal" Roof Rails are designed to fit several different vehicles, the "bow / curvature" of the side rails may not exactly match the roof contour of a particular vehicle. NOTE: The rails should be "dry fit" to the roof panel before installing. Carefully place one of the rails (without end supports or center support posts) on the vehicle roof in the approximate location to be installed. The curvature of the rail should approximate the roof contour. If rail is under-curved and there is more than a 3/16" space between the ends of the rail and the vehicle roof panel, or over-curved and there is more than a 3/16" space between the center of the rail and the roof panel, "bench adjusting" the curvature of the rails is required. Adjust by suspending the rail between two points (4x4 wooden blocks, two tables, etc). To increase the curvature, start with the rail upside down; to decrease the curvature, start with the rail right side up (see appropriate illustration below). With hands spaced shoulder-width apart, apply sufficient pressure to the rail to increase or decrease the curvature as desired. Repeat this process for both rails.

Important Note: While made of extruded aluminum, the rails are heat-treated for added strength. Therefore, several applications of adequate "springing" pressure may be required to modify the curvature of the rails.

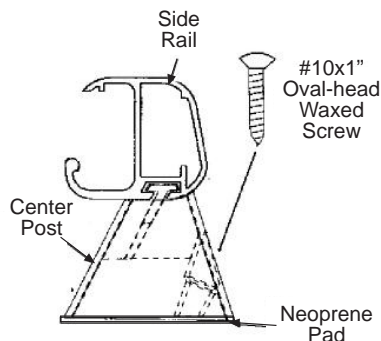


Increase Rail Curvature-Rail Upside Down

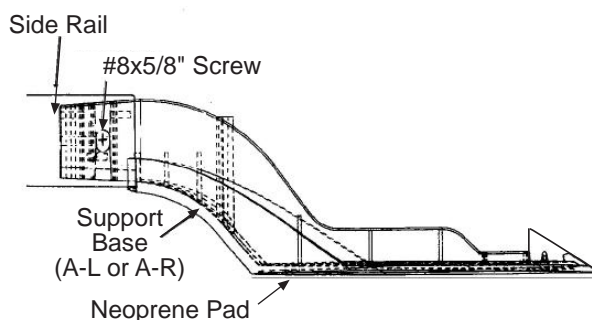


Decrease Rail Curvature-Rail Right Side Up

- Slide center posts into groove on bottom of rails (applicable only on rails of 68" or longer).

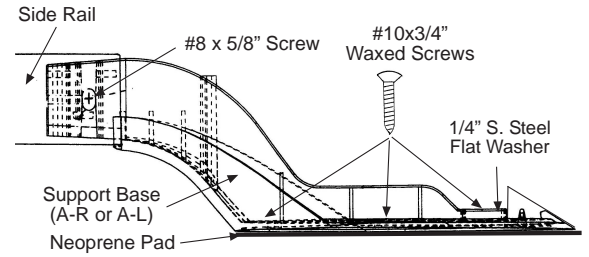


- Install end supports to side rails using the #8 x 5/8 self-threading screws. Do not tighten screws completely at this point.



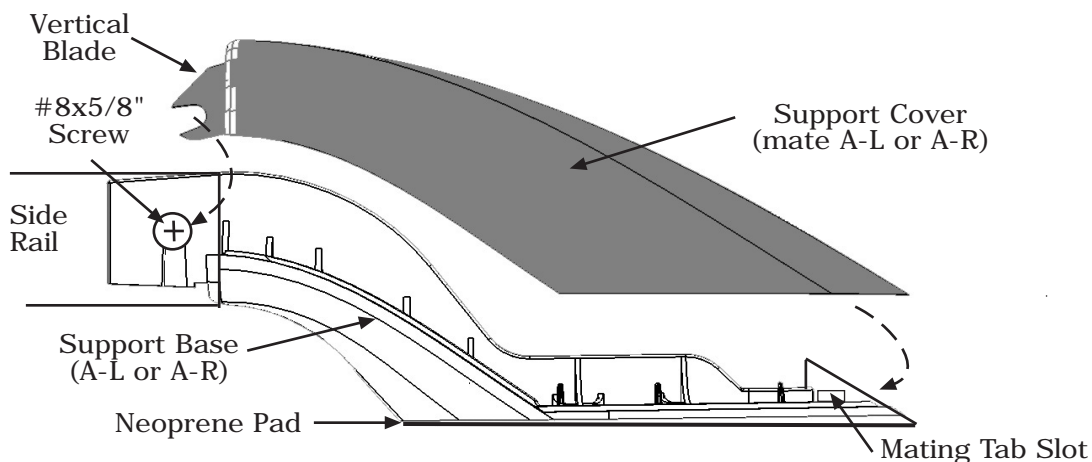
(over)

- 4) 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.
- 5) Lightly center punch each marked mounting hole location. 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 and apply a coat of primer or rust inhibitor to the bare metal edges of each hole.
- 6) Reposition rails on roof panel, place one neoprene pad underneath each end support and center support post (if included) and the roof panel, insuring that pad orientation provides proper alignment of screw holes in pad and support, and install using the #10 x 3/4" waxed screws. NOTE: At outer most hole in each end support, use a 1/4" Stainless Steel flat washer (included) under head of each screw. Note: use #10 x 1" Oval Head waxed screws to secure center posts as shown in illustration on Page 1.



- 7) Loosen the #8 x 5/8 support-to-rail screws approximately 2-3 complete turns to allow installation of the support covers.
- 8) Position a mating support cover (A-L cover to A-L support; A-R cover to A-R support) as shown in diagram below with the vertical blade of the cover sliding into the gap between the side wall of the end support tongue and the center wall of the rail extrusion. With blade correctly inserted/aligned at the end of rail, rotate the cover downward until it contacts the support base, and apply moderate downward pressure at the tapered end of the cover until the lock tabs at the end of the cover snap into the mating tab slots at the end of the support base.

Slide vertical blade of cover into gap between base and wall of side rail, insuring slot in blade seats around shank of screw. Rotate opposite end of cover downward until it contacts the support base, then apply moderate pressure at the end until cover snaps into tab slots at end of base.



**IMPORTANT NOTE:** This Roof Rail/Bed Rail Kit contains 4 Rail Supports with mating Right and Left Bases and Covers. These components are identified by "A-L" or "A-R" molded on the top surface of each Base and inside surface of each Cover. When installing Covers, insure that Covers are mated with appropriate Bases.