



Roof Rack Installation Instructions

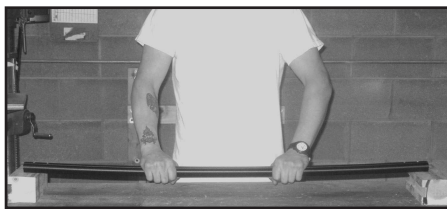
CAUTION: The mounting hardware included in this roof rack is not recommended for use on fiberglass or plastic materials. Contact the distributor from whom the unit was purchased for alternate methods of attachment or call **Perrycraft** Customer Service at 800-777-7081.

CONTENTS: 2-Side Rails, 2-Crossbars, 4-End Supports, 4-Crossbar Connector Assemblies, 5-PVC Roof Slats, 1-Hardware Pack consisting of 12-14/ea. #10x1-1/2" Pan Head Phillips Screws, 4/ea. #8x1/2" Blunt-end Pan Head Phillips Screws, 4/ea. Support Screw Hole Plugs, 0-4/ea. Center Support Posts (determined by side rail length), 1/ea. Instruction Sheet, 1/ea. Warranty/Consumer Information Card, 1/ea. Tech Help/Missing Parts Sheet.

INSTALLATION:

- 1) As this DynaSport "universal" roof rack is 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. 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 the 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 vehicle 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.

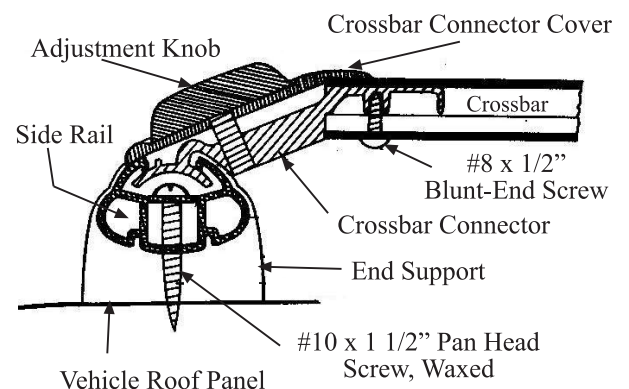


Increase Rail Bow

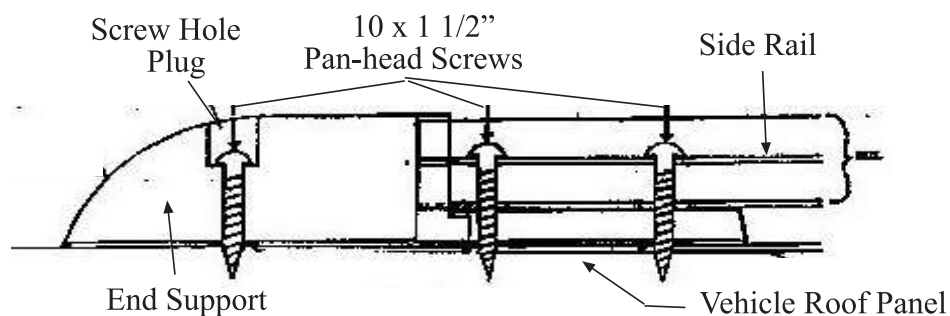


Decrease Rail Bow

- 2) Using illustration to right as a guide, Insert crossbar connector assemblies into ends of crossbars and secure with #8 x 1/2" blunt end pan head screws through holes in underside of crossbars.
- 3) Slide crossbar connectors into top of side rails and tighten adjustment knobs sufficiently to hold crossbars in place approximately ten inches from the end of rails, but loose enough to allow rails to swivel to conform to roof contour.



- 4) Using illustration below as a guide, place end supports and center post (when provided) on to side rails.
- 5) Place rack in desired position on vehicle roof and mark mounting hole locations. Place self-adhesive roof slats in position, and mark location. **Do not remove tape liner from roof slats at this time!**
- 6) Remove rack and slats. Clean roof surface where slats will be located with an adhesive prep solution (Pro-bond, Tit-R-Bond or alcohol) to ensure proper bonding of slats to roof. Peel adhesive liner from bottom of slats, place in position and press firmly in place. Adhesive should be allowed to cure for a minimum of 24 hours before washing vehicle.
- 7) Drill pilot holes for rack using 1/8" drill bit, being careful not to penetrate interior headliner. Apply a coat of primer or rust inhibitor to bare metal edges of each hole.
- 8) Reposition rack on roof and secure using #10x1-1/2" pan head waxed screws (Do not remove wax). Use caution when tightening fasteners to avoid stripping pilot hole in roof.
- 9) Position alignment tabs on screw hole caps with grooves in recessed screw openings in rail end supports and press caps into place.
- 10) To adjust crossbar position, rotate adjustment knobs 1 to 2 turns counter-clockwise. Slide crossbars to desired position and secure in place by rotating knob clockwise until tightened securely.



Warning: External roof racks do not increase the GVWR of the vehicle. Total occupant and cargo load should not exceed the vehicle manufacturer's rated vehicle capacity. **Maximum load for this rack is 75 lbs. evenly distributed on the crossbar assemblies.** Maximum weight of loads placed directly on the roof slats is dependent on the particular vehicle roof structure and construction. Large or flat items such as plywood panels or small water craft can trap air and cause wind lift. Extreme caution should be used when transporting such items, taking into consideration road conditions, vehicle speed, load securement methods, etc. Molded car top luggage carriers or pods should be placed **between** the rack crossbars and **secured directly to vehicle body**. Perrycraft, Inc. cannot assume responsibility for improper rack installation, exceeding rack load limit, load securement methods, vehicle roof strength or wind lift.