

RAILING INSTALLATION INSTRUCTIONS

Step 1

Confirm that all posts are plumb and properly attached to deck frame work. All wood posts that will be covered with vinyl sleeves should extend the full height of sleeve.

**NOTE: If using Missouri Vinyl Products Galvanized Post Bases, see the special instructions on the back of this sheet.

Step 2

Slide vinyl post sleeve over wood deck post. Install skirt (optional), sliding it down tight against finish decking.

Step 3

Open rail section kit and identify all parts.

Rail section kit includes:

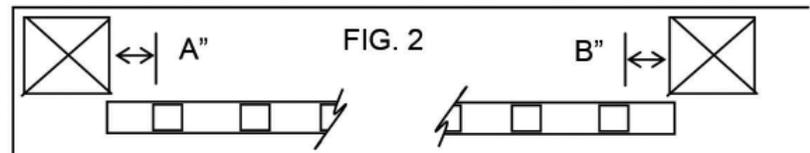
Top rail and bottom rail with stiffeners, balusters, brackets and bracket hardware kits.

Step 4

Measure the distance between posts (with sleeves installed).

Step 5

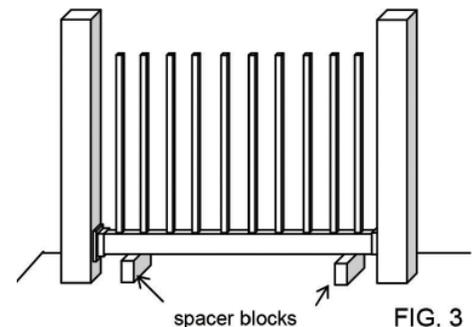
Using a fine tooth carbide tipped blade or hacksaw, cut top and bottom rails and stiffeners $\frac{1}{4}$ " less than distance between posts. Cut amounts from both ends of rail so that there will be equal spacing between each post and the next adjacent baluster. (FIG. 2)



NOTE: Dimension A & B should allow a minimum of 1-1/2" between the post and the first picket to allow for flange on rail bracket.

Step 6

Determine the desired distance between the deck surface and the bottom of the bottom rail (refer to local building codes for measurement). Cut two spacer blocks (any scrap material) to that height. Position the spacers next to posts. Check for level of bottom rail if desired at this time. (FIG. 3)

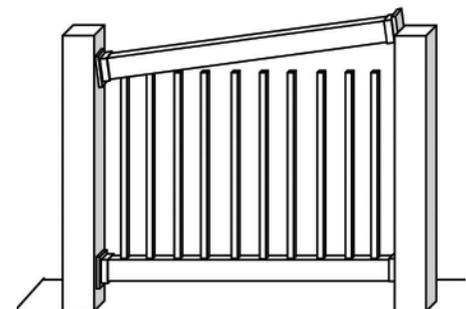


Step 7

Insert aluminum stiffener into bottom rail. Place brackets on ends of bottom rail. Place rail between posts, setting on top spacer blocks. Center the brackets on the post and install screws (pre-drilling a $\frac{1}{8}$ " dia. hole is recommended). DO NOT install screw hole plugs yet. (FIG. 3)

Step 8

Install balusters in bottom rail. Insert aluminum stiffener into top rail. Place brackets on ends of top rail. Work from one side to the other and install top rail by inserting balusters into holes. Leave $\frac{1}{4}$ " vertical movement in balusters (to allow for expansion). Center the top rail brackets on the post and install screws (pre-drilling a $\frac{1}{8}$ " dia. hole is recommended). Install all screw hole plugs after proper installation is confirmed. (FIG. 4)



SAFETY FIRST!

- Always use personal safety equipment when installing this product.
- Read, understand and follow all safety procedures regarding the use of all tools.
- Your deck and rail installation should meet the requirements of local building codes.

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Step 9

Adjust rails (accordingly) so that pickets are plumb and parallel to posts. Pre-drill 1/8" hole in each side of top rail through slotted bracket hole. (FIG. 5).

Install set screws in both sides of top and bottom brackets. Install snap caps over all screw heads. Install post caps.

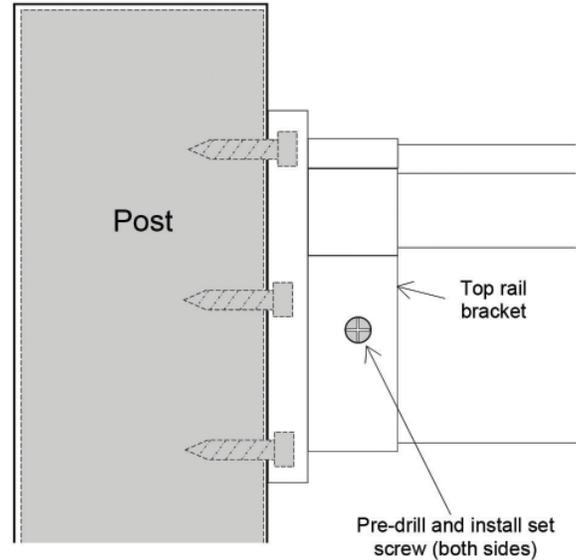
* Reference to bracket installation instructions that are packaged with the bracket kits.

Care & Cleaning

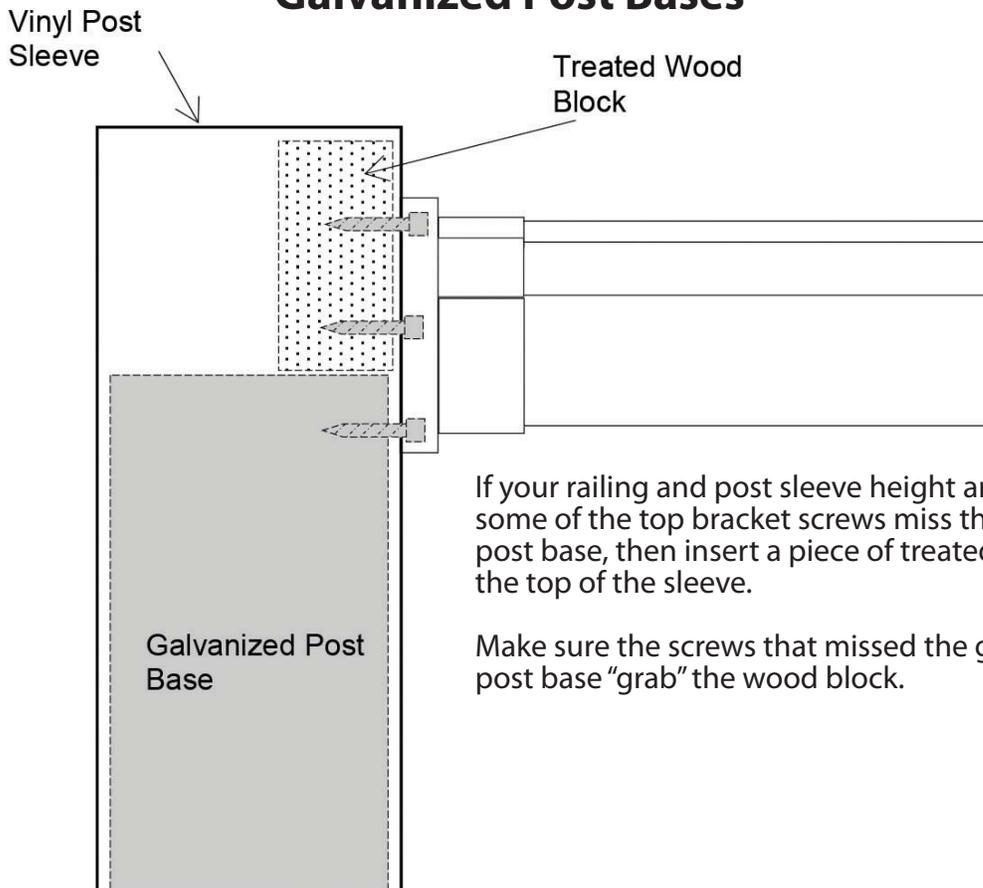
Most dirt and stains can be removed with simple soap and water. Soft scrub (or equivalent) can be used.

Tar or oily stains can be removed with a solvent like GOOF-OFF™. Use solvents sparingly as they may remove some of the gloss.

FIG. 5



**Special Instructions for using Galvanized Post Bases



If your railing and post sleeve height are such that some of the top bracket screws miss the galvanized post base, then insert a piece of treated wood into the top of the sleeve.

Make sure the screws that missed the galvanized post base "grab" the wood block.

DO NOT use the screws that come with the brackets if you are attaching to a galvanized post base. Please use **self tapping screws** for these brackets. **Self tapping screws** are sold separately.