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Classic Contour Stair Rail Instructions

v022403r

MOUNTING SURFACE PREP



Steps 1-2

INSTALL BOTTOM MOUNT



Steps 3-4

TRIMMING RAILS



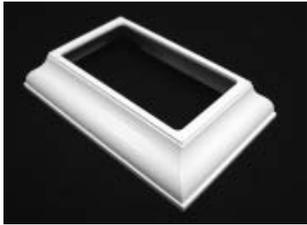
Step 5

BOTTOM RAIL INSTALL



Step 6

STAIR BRACKET



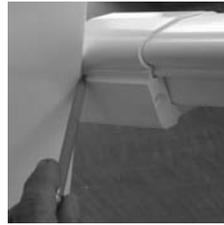
Cut To Desired Angle

BOTTOM RAIL FINISHED



Step 7

INSTALL TOP BRACKET



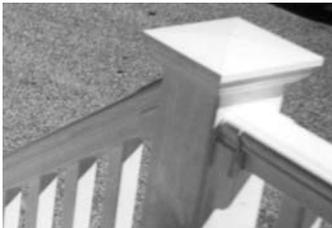
Steps 9-10

TOP RAIL INSTALL



Step 11

TOP RAIL FINISHED



FINISHED PROJECT



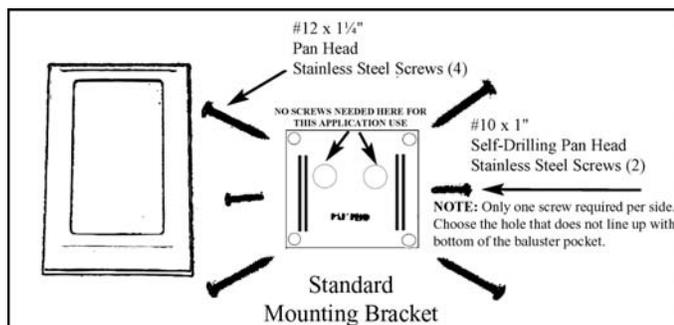
A - #10 x 1"
Self-Drilling Pan Head (4)

B - #12 x 1 1/4"
Pan Head for Standard Rail (8)

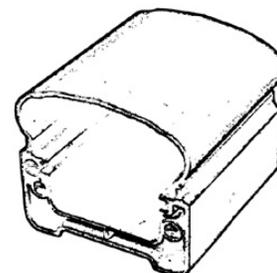
C - 2 1/4" Steel Pin (2)

D - #10 x 4" Pan Head (4)

**STAINLESS STEEL SCREWS (ITEMS A & B)
REQUIRE A #2 SQUARE DRIVE BIT**



Contour Stair Bracket Shown Below





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- Step 1** Check all local building codes for design load requirements for railing application. Our products meet or exceed ASTM F964-94 and also the requirements of the Boca Building Code Section 1615.8, pertaining to railing. Always use safety equipment when installing our maintenance-free railing.
- Step 2** Install and prepare all mounting surfaces and posts to which your new maintenance-free railing will be installed. We suggest covering wood posts with our matching-color vinyl post sleeves or wraps. Finish with one of our many styles of post caps and base trim rings.
- Step 3** To determine the angle of the stair rail, lay the bottom rail on the stairs with the baluster holes in the up position. Make sure that the end spacing from the post to the first baluster is equal on each side. Using a square mark the angle at the posts with a pencil onto the sides of the rail.
- Step 4** Determine the placement of the bottom rail and mark the posts. This will be where your mounting brackets are to be installed.
- Step 5** When trimming rails for installation, be sure to cut an even amount from each side. This will allow for a balanced look of your balusters. When trimming, make rails 3/8" smaller than the opening size using a power miter box or a hacksaw. The aluminum insert and your vinyl rails should be the same size. You can cut either at the same time or individually.
- Step 6** Install bottom rail first. Place the first mounting bracket on the post that you previously marked in step 3 and fasten accordingly. Now fasten the second bracket into place. Slide the trim rings (one on each side) onto the pre-cut rail.
- Step 7** Slide the bottom rail into place making sure the rail is plumb and square. Use the self-tapping screws provided. Screw through the bracket's holes into the aluminum sleeved rails. Only one screw per side is needed. Choose a hole that does not line up with the bottom of the baluster pocket.
- Step 8** If needed, cut each baluster to the desired height using a hacksaw or power miter box. With the bottom rail fastened into place, put a baluster into each baluster hole in the bottom rail.
- Step 9** Establish the height of the top rail. Add an additional 1/8" to 1/4" to the established height of the top rail to allow for any expansion of the balusters.
- Step 10** To determine the angle of the top rail. Position the rail with the brackets on the stairs. Center the rail between the posts and mark the angle. Make sure the baluster holes are in the down position. This will insure the proper angle after cutting.
- Step 11** Mark the angle of the posts with a pencil onto the sides of the bracket and rail. Cut the bracket and the rail at the same time. Make sure the holes are aligned correctly with the top and bottom rail. This will insure the balusters are plumb after installation.
- Step 12** Begin on one side of the rail. Insert the top of each baluster into the corresponding baluster hole. Work your way across the rail to the other side.
- Step 13** Once all the balusters have been installed, secure the brackets by installing screws into the pre-drilled holes of the mounting bracket. (#10 x 4" screws are provided).
- Step 14** Your job is now done. Should your railing have any loose dirt on it from installation, hose it off. To remove stubborn dirt use soap and a soft cloth. For stubborn stains or scuffs use Simple Green all-purpose cleaner.