

**200 Series Stair Railing w/Aluminum Balusters Kit Includes:**

2 - Top/Bottom Rails w/aluminum inserts

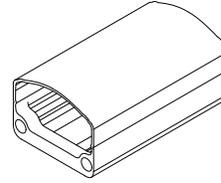
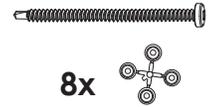
Aluminum Balusters

(6' kit - 14, 8' kit - 21)

4 - Mounting Brackets

8 - Mounting Screws w/plugs (#10 x 4" SS)

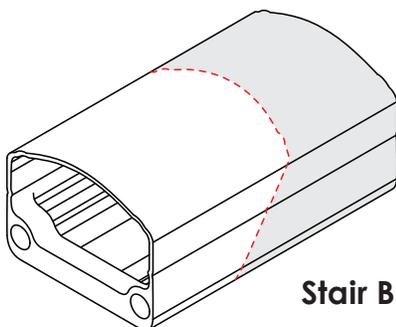
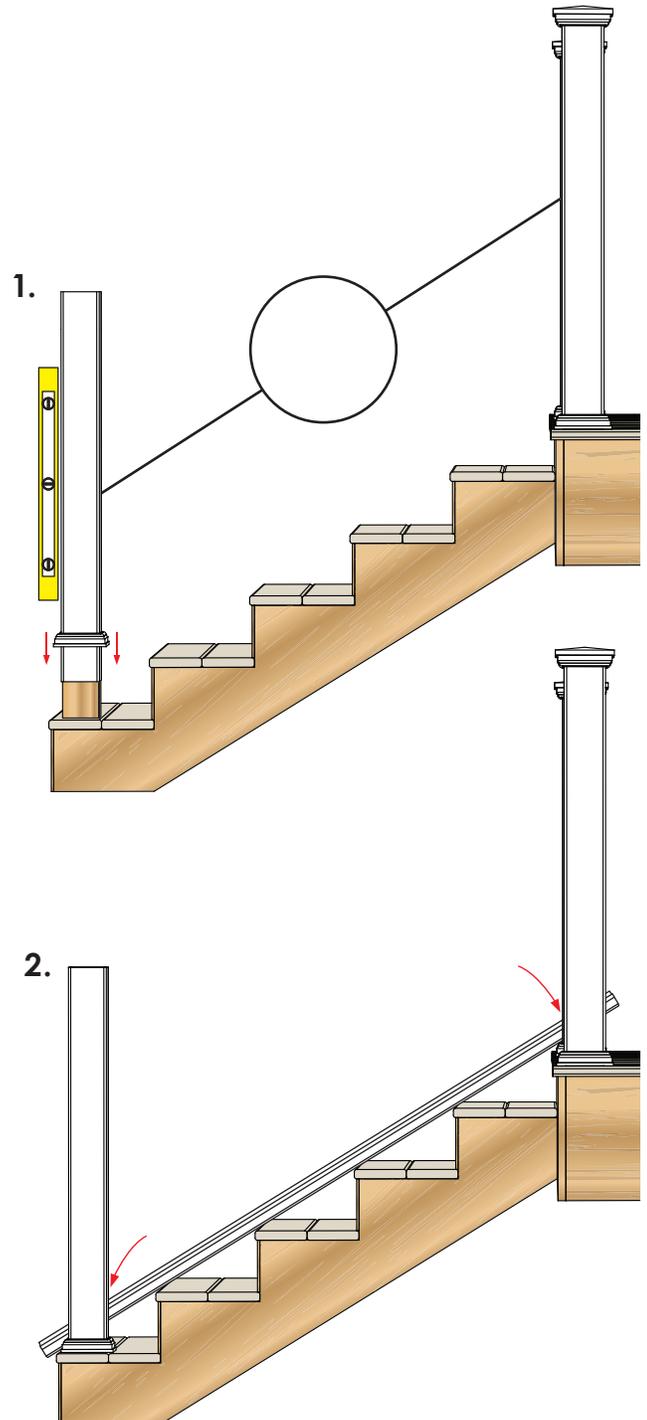
**2x**

**4x**

**8x**

**1. Install Post Sleeves and Measure Rail Length**

Plumb posts/mounting surfaces. Slide post sleeve and base trim ring over post. Measure distance between mounting surfaces.

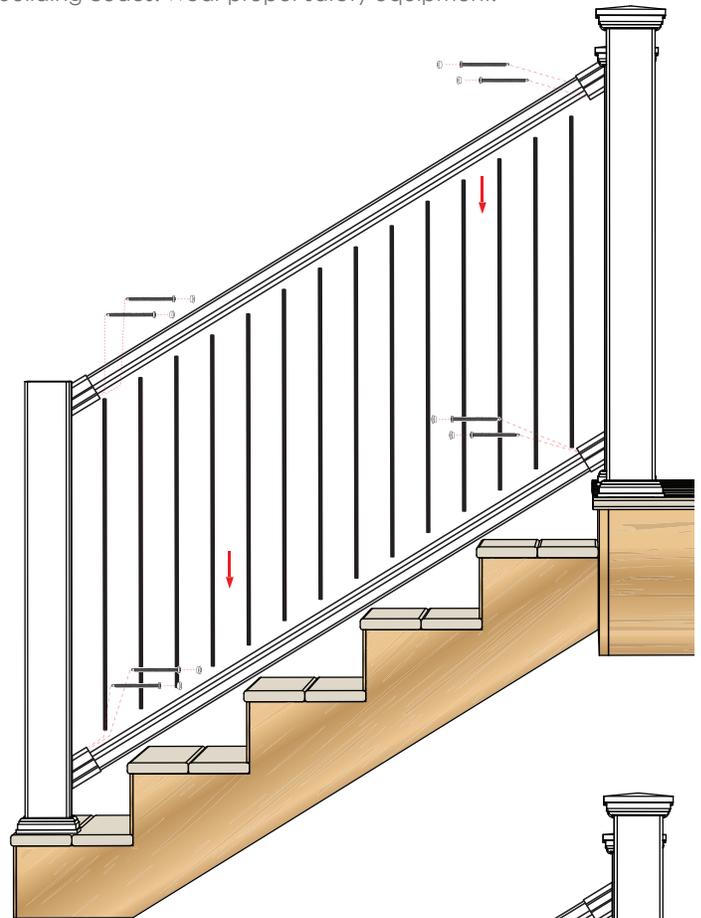
**2. Cut Bottom and Top Rail To Length**

Lay Bottom Rail (baluster pockets up) on stair run. Slide a stair bracket onto each end of the bottom rail with the bracket screw holes facing towards center of rail. Rest the bottom rail, with baluster holes facing upward, on the stair tread nose with the brackets positioned immediately adjacent to inside face of post. Position the rail and the stair brackets so the distance between the outermost baluster holes are at the maximum and equal distance from the post mounting face. The stair bracket should be positioned in such a way that when the miter cut is applied to the bracket and rail, the shortest side of the bracket is 1-1/4" to 1-1/2" in length. With a pencil, mark both bracket positions on the rail to ensure the brackets stay in position on the rail during the cutting operation. Mark the angle where the rails intersect the post by using the post mounting face as a guide to transfer the angle onto both rail brackets using a pencil.


**Stair Bracket**


### 3. Install Rail Sections

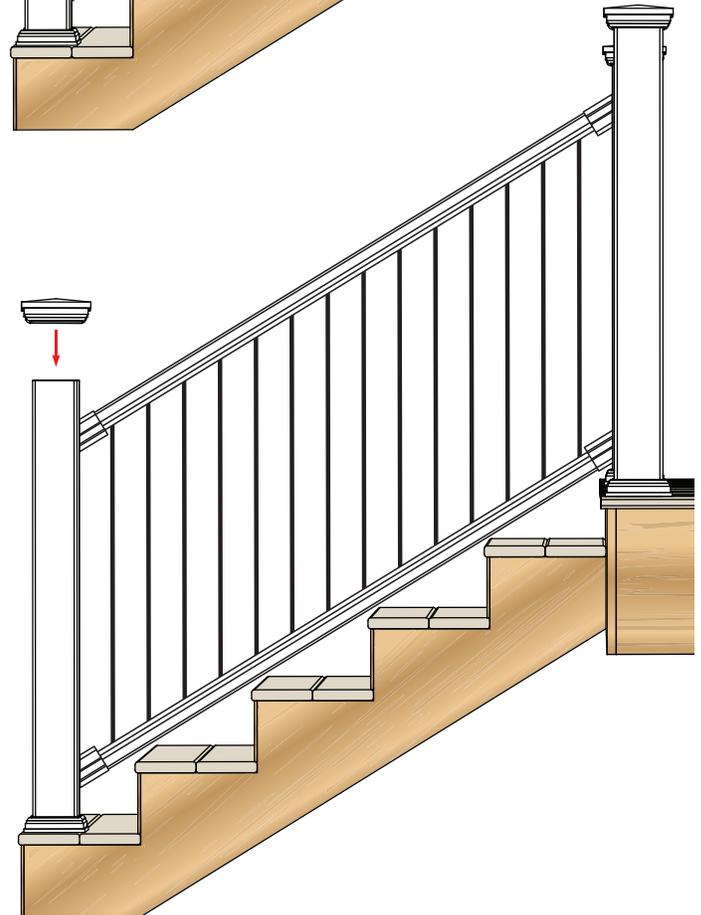
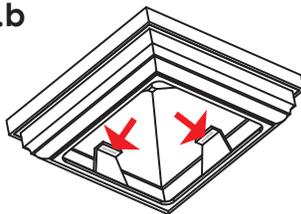
Remove bracket covers and slide brackets over rail ends on top and bottom rail. Place bottom rail in place between mounting surfaces. Center brackets on mounting surface and drill four 1/8" holes for bracket screws. Attach bottom rail brackets at both the top and bottom of stair run. Insert balusters in bottom rail. Starting at the bottom of the stairs, hold top rail at a slight angle and insert balusters into baluster pockets. Center top rail brackets, pre-drill 1/8" holes and install eight #10 x 4" screws (four per bracket).

**3.**


### 4. Install Bracket Screws and Post Caps

**(4.a)** With top rail installed and end spacing balanced out on both ends.

**(4.b)** Apply a bead of silicone to the inside tabs of post caps and slide in place.

**4.**

**4.b**


Please Note: Gap between deck and bottom rail should not exceed 4". It is the responsibility of the installer to meet or exceed all code and safety requirements, and to obtain all required building permits. These instructions are only a guide and may not address every circumstance. The deck and railing installer should determine and implement appropriate installation techniques for each situation. **Tuscan Manufacturing shall not be held liable for improper or unsafe installations.**