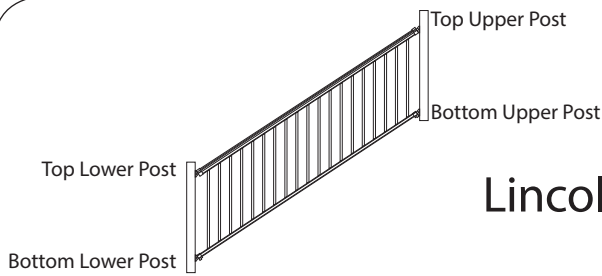


Instructions for Lincoln Aluminum Fixed Stair Rail

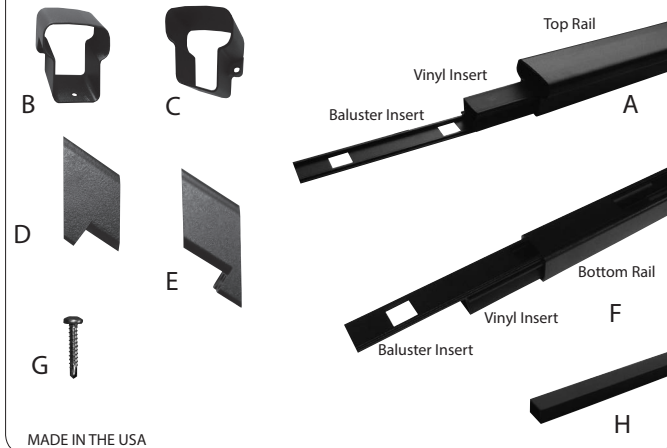
36" Height



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Bottom Lower Post



MADE IN THE USA

Component List:

- A) Top Rail Assembly with Vinyl & Baluster Insert - 1
- B) Top Bracket for Upper Post - 1
- C) Top Bracket for Lower Post - 1
- D) Bottom Bracket for Upper Post - 1
- E) Bottom Bracket for Lower Post - 1
- F) Bottom Rail Assembly with Vinyl & Baluster Insert - 1
- G) #10 x 1" Self-Drilling Screws - 10
- H) Balusters - 9 - 4' section 11 - 5' section
13 - 6' section 16 - 7' section
18 - 8' section

Tools Required:

- Drill Bits: 5/32"
- #2 square drive hex bit 2" & 4" long
- Drill with Adjustable Clutch
- Miter Saw with Metal Cutting Blade
- Level
- Rubber Mallet or Wood Block
- Tape Measure
- Masking or Duct Tape
- 12" Combination Square
- 8" File
- Straight Edge
- Center Punch - optional
- Touch-up Paint - optional
- Silicone Adhesive - optional
- Shop Vac or Blower - optional

Always wear safety goggles

Installer is responsible for quality workmanship and meeting all building codes.

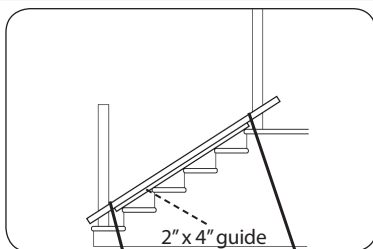
ezTIPS

- Read and understand all instructions before starting your installation.
- Plan your railing project completely. A drawing or sketch is recommended.
- Check local building codes.
- Check all cartons for proper components.
- Paint all cut ends to protect from the environment.
- Use two people for best results.
- Wear personal protective equipment, such as safety glasses, gloves, etc.
- Pre-drilling of all holes is recommended.
- Do not over-tighten screws. **Set clutch on drill to lowest workable setting.**

1 Aluminum Post Placement & Installation

1. Secure top post to deck, level and plumb. **It is the responsibility of the installer to ensure proper installation, including adherence to all local codes.**
2. Place bottom post on lowest step or landing.
3. Place a piece of tape on baluster insert to keep from moving.
4. Place bottom rail against posts, baluster openings up.
5. Measure **horizontally** from both posts to the edge of the first baluster hole, the distance should be no less than 1½" on both ends. If you have less than 1½", slide your rail to the left or right to remove a hole. **Move lower post as needed to achieve 1½" minimum spacing. Do not mount post until 1½" spacing is achieved.** Secure lower post, level and plumb.

2 Cut Bottom Rail

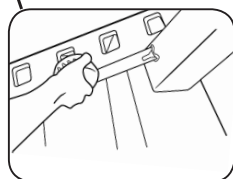
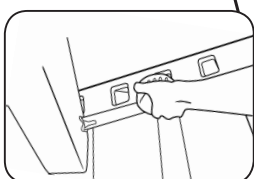


ezTIP: Place a 2" x 4" on the steps – this will be your guide for the bottom rail length and angle of cut.

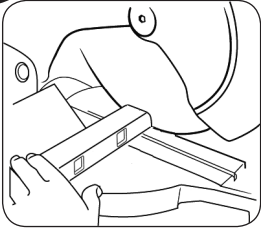
Place the bottom rail on the 2 x 4, baluster openings up.

Measure the gap on each end and adjust until this is equal in distance.

Draw a vertical line at each end that shows the cut required for each end between posts.

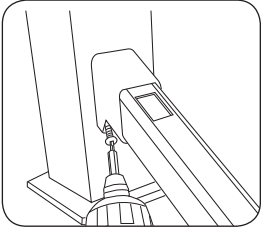


3 *Cut Bottom Rail*



Cut bottom rail in center of mark from step 1. Match angle of your mark.

4 *Attach Bottom Rail to Post*

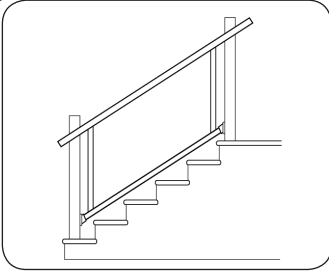


Place rail brackets on ends of bottom rail.

Place bottom rail on 2" x 4" spacer as shown in Step 1 and install bottom rail.

Attach bracket and rail to post. Apply 2 screws per bracket.

5 *Measure Top Rail*



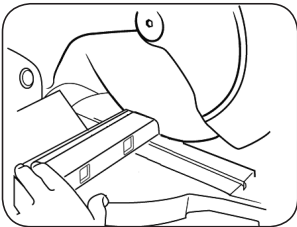
Insert 2 balusters into openings, one at each end in bottom rail.

Insert balusters into top rail and measure the gap between each baluster on the end.

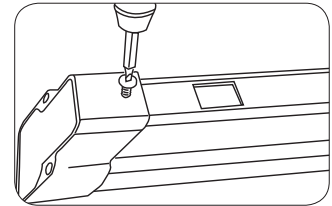
Make sure the gap dimension is equal on both sides and the bottom rail.

Mark with a pencil the cut line to fit top rail in-between the posts.

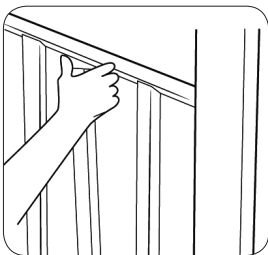
6 *Cut Top Rail and Attach Brackets*



Cut rail on middle of line from step 5. Match angle of your mark. Attach top rail brackets to top rail.



7 *Attach Top Brackets to Posts*



Angle balusters away from you. Starting on one end, insert balusters into top rail. Slide rail into position. Screw brackets to post. Pre-drill holes with 5/32" drill bit.

