



Ready-To-Assemble VersaRail

INSTALLATION INSTRUCTIONS



Read all instructions prior to installing product.

Refer to manufacturers safety instructions when operating any tools.

To register your product, please visit:

freedomproduct.com

⚠ WARNING:

- Improper installation of this product can result in personal injury. Always wear safety goggles when cutting, drilling and assembling the product.
- Incorrect installation may cause harm to the product or individual.

NOTICE:

- DO NOT attempt to assemble the kit if parts are missing or damaged.
- DO NOT return the product to the store. For assistance or replacement parts call: 1-800-336-2383.

BEFORE YOU BEGIN:

It is the responsibility of the installer to meet and/or exceed all code and safety requirements and to obtain all required building code permits.

The deck and railing installer should determine and implement appropriate installation techniques for each installation.

Barrette and its distributors shall not be held liable for improper or unsafe installations.

This instruction manual contains 2 types of installation options:

- Straight rail installation
- Angled rail installation

TOOLS NEEDED:

Posts & Mounting Kits
Post Tops
Safety Glasses
Pencil
Level
9/32" & 1/8" Drill Bits
Drill
Chop saw with a fine-tooth carbide blade
Tape Measure
Scissors or Utility Knife
Clamps
Rubber Mallet
Mounting Fasteners
Tape

6' Aluminum Rail Kit Component list:

QTY	Description
1	Top Rail Profile
2	Rails
2	Locking Strips
15	Square Balusters
2	Center Supports
1	Bracket Kit With Screws
1	Screw Template

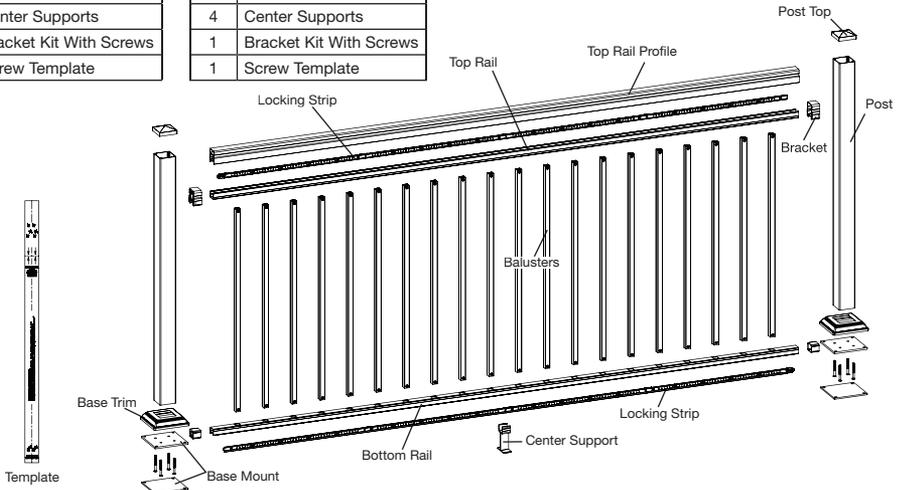
8' Aluminum Rail Kit Component list:

QTY	Description
1	Top Rail Profile
2	Rails
2	Locking Strips
20	Square Balusters
4	Center Supports
1	Bracket Kit With Screws
1	Screw Template

Additional Items Needed

(Sold Separately):

QTY	Description
2	Base Trims
2	Base Mounts
2	Posts with Post Tops



To obtain and review a copy of the warranty please go to: Freedomproduct.com/warranty. You can also contact 1.888.418.4400 or write to Freedom Outdoor Living, 7830 Freeway Circle, Middleburg Heights, Ohio 44130 to obtain a copy of the warranty.

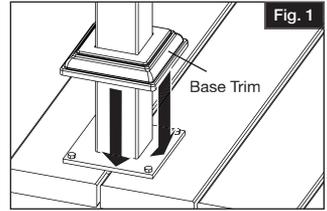
STRAIGHT RAIL INSTALLATION

1

Closely follow post installation instructions.

NOTE:

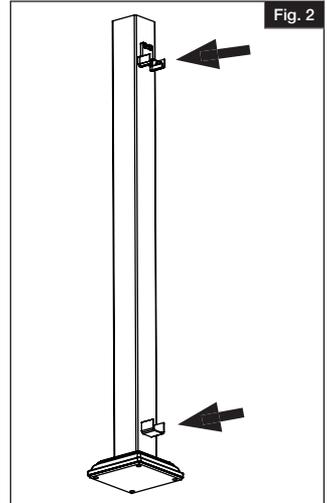
Install base trims on all posts before installing brackets (Fig. 1).



2

Install Brackets:

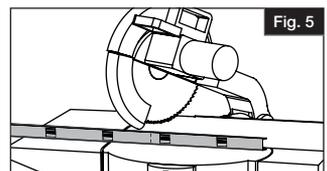
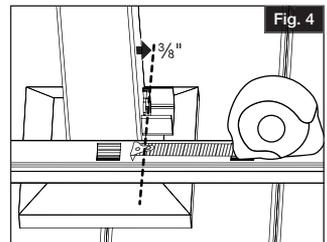
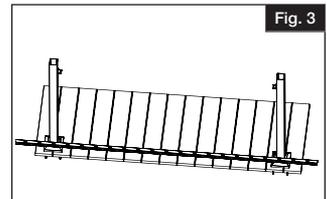
- With base trim installed on bottom of post, unroll paper install template and tape to post, ensuring the bottom of the template rests on the top of the base trim. Pre-drill through all marked locations on installation template "L" (not "A") into aluminum post with a $\frac{1}{8}$ " drill bit. Do this for all marked locations for both top and bottom brackets (Fig. 2).
- Screw bottom brackets into post using #8x1 $\frac{1}{2}$ " Pan Head screws (2 per bracket).
- Screw top brackets into post using #8x1 $\frac{1}{2}$ " Pan Head screws (4 per bracket).



3

Cut Rails to Length (Top & Bottom Rails, Top Rail Profile):

- Place bottom rail across post opening leaving equivalent spacing from last baluster to post on each end. Make sure there is even spacing from baluster hole to post (Fig. 3)
- Mark rail flush to post.
- From marked lines, mark additional parallel line $\frac{3}{8}$ " from first line to allow for bracket clearance (Fig. 4).
- Align top rail and top rail profile with the bottom rail and mark all before cutting to size.
- Then, cut to the same length using a saw with a fine-tooth carbide blade (Fig. 5).



Assemble Your Railing Section:

- a. Place top and bottom rail on a smooth, flat and clean surface. Then, align the top and bottom rails so that the ridges inside the rails are oriented on the same side (Fig. 6).

NOTE:

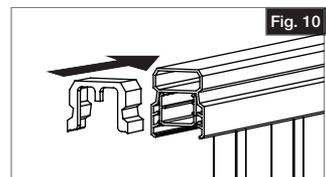
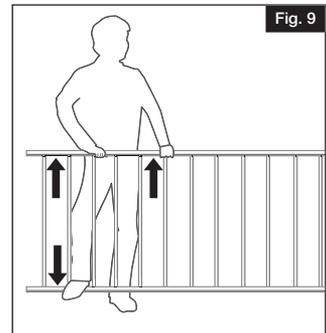
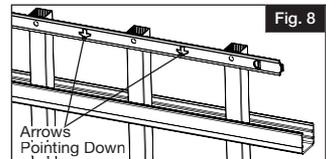
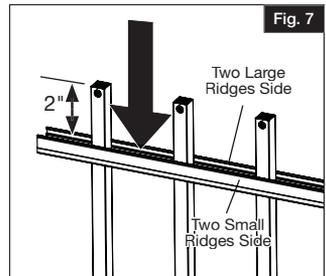
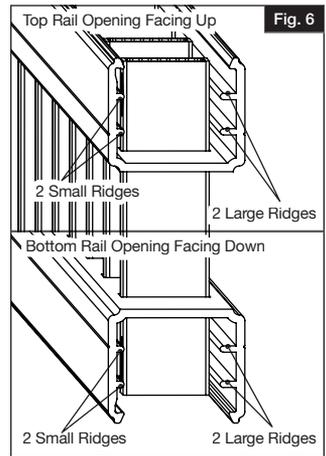
There are two (2) ridges on both sides that are different sizes.

- b. Push all balusters through the holes in rails, being careful to have the hole in each baluster going in the same direction facing the side with the two (2) small ridges (Fig. 7).
- c. Make sure the balusters in the rails are about 2" above the rail and in-line with each other (Fig. 7).
- d. Snap in bumps from locking strip into holes of the baluster for both top and bottom rails. Make sure arrows on locking strip face rails (Fig. 8).
- e. If the rails were cut shorter in step 3, then there will be some extra locking strip at the end of install. Use scissors or a utility knife to trim off the excess, while leaving approximately 2" after the last engaged bump.
- f. Pull the top and bottom rails towards ends, guiding the rails over the locking strips until snug.
- g. Stand rail section up and fully lock balusters into the rails. Place one foot on the top of the bottom rail, between the second and third baluster while at the same time placing a hand under the bottom of the top rail between the second and third baluster. Push with foot and pull with hand until locking is completed. You should hear a snap as the strip locks into the rail. Repeat this process for the middle and the end of the panel (Fig. 9).

NOTE:

If no snap is heard or felt, use a rubber mallet to tap underneath of top rail to ensure a full connection.

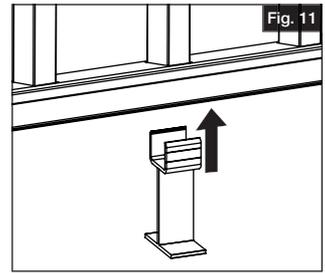
- h. Line up hand rail profile on top of the top rail. Press it down onto the top rail so it fits snug.
- i. Slide bracket covers on ends of both top and bottom rails (Fig. 10).



5

Install Support Brace:

- a. Two support braces are included with 6' railing kits. For code purposes, only one is required for installations in the U.S., while both are required in Canada. Spread out the braces proportionately (Fig. 11).
- b. Four support braces are included with 8' railing kits. For code purposes, only two are needed for installations in the U.S., while all four are required in Canada. Spread out the braces proportionately.



6

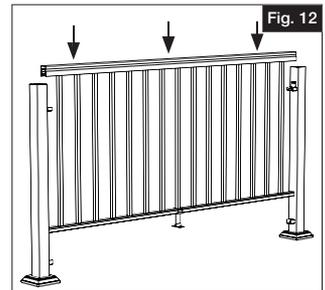
Rails to Posts:

- a. Bring assembled rails between posts, elevated above brackets assembled in Step 2.
- b. Once centered, slowly lower rail assembly carefully to allow full engagement between section and brackets in all four locations on posts (Fig. 12).

NOTE:

The top top rail profile should rest on the bottom of the bracket that is screwed into post.

- c. Attach brackets to rails – Pre-drill two holes from under the bottom of the top rail through rail. Complete for each top rail bracket. Drive #8 x 1½" Pan Head screws (2 per bracket) through drilled holes.

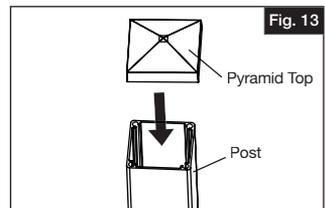


7

- Install pyramid post top onto each post (Fig. 13).

NOTE:

A rubber mallet may be needed for a proper fit.



ANGLED RAIL INSTALLATION

- 1** Closely follow post installation instructions.

NOTE:

Install base trims on all posts before installing brackets (Fig. 1).

2 **Install Angle Brackets:**

- a. With base trim installed on bottom of post, unroll paper install template and tape to post, ensuring the bottom of the template rests on the top of the base trim. Pre-drill through all marked locations on installation template "A" (not "L") into aluminum post with a $\frac{1}{8}$ " drill bit. Do this for all marked locations for both top and bottom brackets.
- b. Install the angle brackets at the respective heights instead of line brackets.

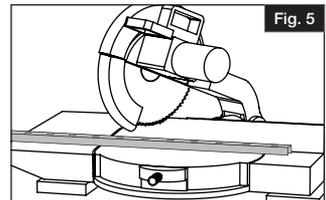
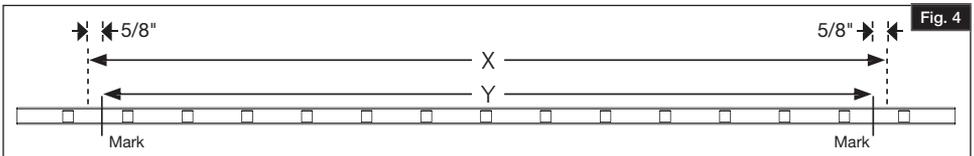
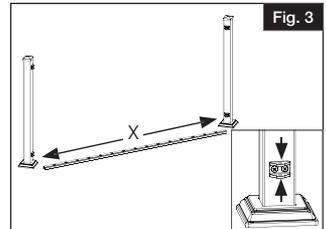
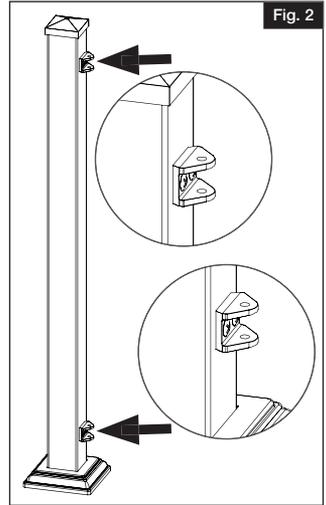
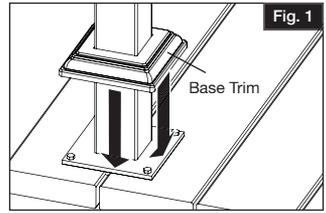
NOTE:

The base of the angled bracket installs horizontally in orientation (screws beside each other)

- c. Attach top and bottom bases to posts with #10 x $1\frac{1}{2}$ " flat head screws provided (2 per bracket).

3 **Cut Rails to Length (Top & Bottom Rails, Top Rail Profile):**

- a. Measure the distance between bottom rail post bracket bases (from hole to hole). This will be measurement "X" (Fig. 3).
- b. Subtract $1\frac{1}{4}$ " from length measured in Step 3a (X). This final measurement will be "Y" (Fig. 4)
- c. Mark ends of top and bottom rails the length from Step 3b ("Y") being sure that the space for the last baluster hole to the end of the rail is the same on each end (Fig. 4).
- d. Cut top and bottom rails and top rail profile at the same lengths using a saw with a fine tooth carbide blade (Fig. 5).



6

Assemble Your Railing Section:

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NOTE:

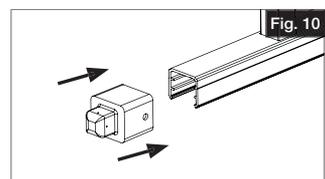
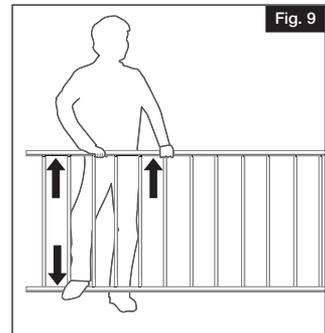
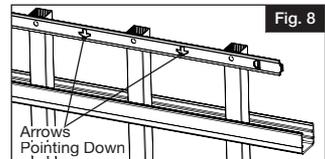
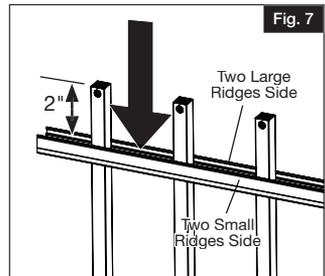
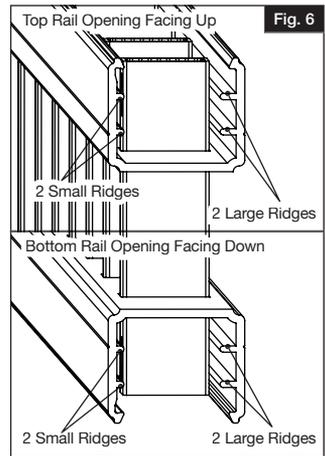
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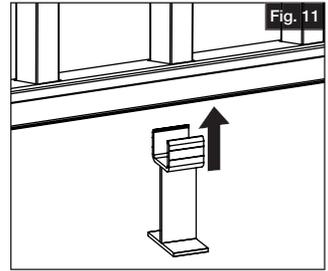


Fig. 11

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Rails to Posts:

- a. Bring assembled rails between posts and line up with installed bases. While holding section with brackets in between the installed bases (From Steps 2a-c), pre-drill through the top holes on back of brackets with $\frac{9}{32}$ " drill bit, and connect brackets to bases with $\frac{1}{4}$ " sex bolts provided (Fig. 12).
- b. Attach top brackets to top rails – Pre-drill two holes from under the bottom of the top rail through rail. Complete for each top rail bracket. Drive #8 x $1\frac{1}{2}$ " Pan Head screws (2 per bracket) through drilled holes.
- c. Attach bottom brackets to bottom rails – Drive #8 x $\frac{3}{4}$ " Pan Head screws (1 per bracket) through side of bottom rail bracket into bottom rail.

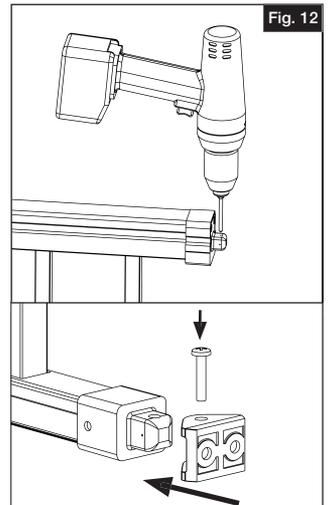


Fig. 12

7

Install pyramid post top onto each post (Fig. 13).

NOTE:

A rubber mallet may be needed for a proper fit.

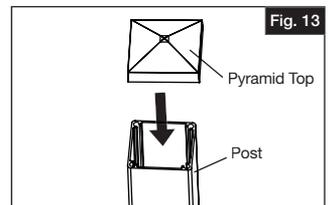


Fig. 13

8

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