



Aluminum Railing Gate Kit

INSTALLATION INSTRUCTIONS



Read all instructions prior to installing product.

Refer to manufacturers safety instructions when operating any tools.

To register your product, please visit:

freedom.barretteoutdoorliving.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.
- Not pool code approved.

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.

MATERIALS NEEDED:

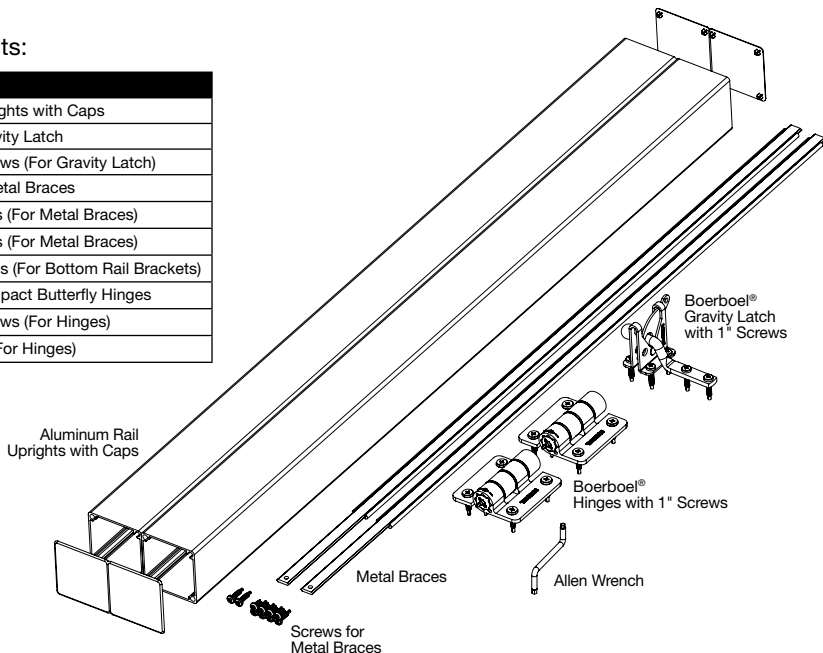
	Aluminum Railing Kit
	Square or Turned Baluster Kit
	Bracket Kit

TOOLS NEEDED:

	Safety Glasses
	Pencil
	Level
	Chalk Line
	$\frac{3}{8}$ " , $\frac{1}{8}$ " & $\frac{3}{32}$ " Drill Bits
	Drill
	Hacksaw or Chopsaw
	Tape Measure
	Scissors or Utility Knife
	Tape
	Rubber Mallet
	Fine-tooth Carbide Blade
	(2) 2" Wood Blocks

Gate Kit Components:

Description
Aluminum Uprights with Caps
Boerboel® Gravity Latch
1" Phillips Screws (For Gravity Latch)
Telescoping Metal Braces
#8 x $\frac{3}{4}$ " Screws (For Metal Braces)
#8 x $\frac{3}{8}$ " Screws (For Metal Braces)
#10 x 1" Screws (For Bottom Rail Brackets)
Boerboel® Compact Butterfly Hinges
1" Phillips Screws (For Hinges)
Allen Wrench (For Hinges)



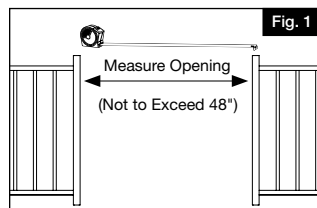
1

Determine Your Gate Opening:

Measure opening between posts where gate will be located. Subtract 6¼" from opening. This is the length you will cut your rails for gate (Fig. 1).

NOTE:

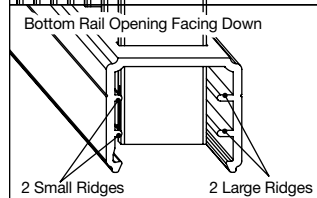
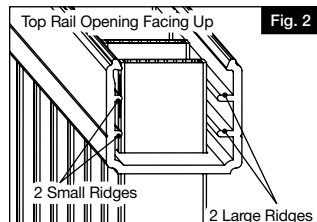
Maximum width of opening between posts is 48".



2

Cut Rails To Desired Length:

Align bottom rail, top rail and top rail cap. Cut all to same lengths with a fine-tooth carbide blade.



Assemble Rails For Gate:

- 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. 2).

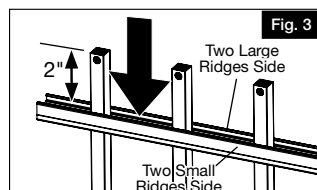
NOTE:

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

- b. Insert all balusters through the square holes in rails, making sure the hole in each baluster goes in the same direction facing the side with the two (2) small ridges (Fig. 3).

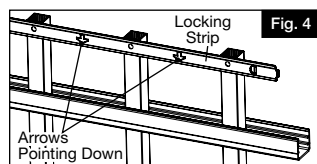
- c. Make sure the balusters in the rails are about 2" above the rail and in-line with each other (Fig. 3).

- 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. 4).

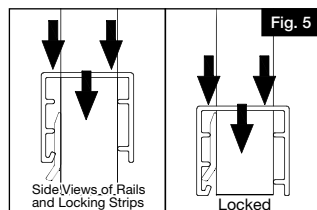


- e. There will be some extra locking strip at the end of install. Use scissors or a utility knife to trim off the excess, while leaving approximately 2" after the last engaged bump.

- f. Pull the top and bottom rails towards ends, guiding the rails over the locking strips until snug.

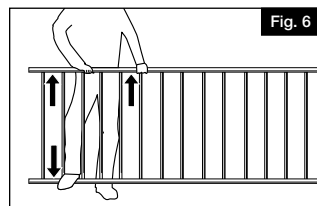


- g. Stand rail section up and fully lock balusters into the rails. Place one foot on the top of the bottom rail, between the second and third baluster while at the same time placing a hand under the bottom of the top rail between the second and third baluster. Push with foot and pull with hand until 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. 5 & 6).



NOTE:

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



Assemble Brackets To Uprights:

Bottom Brackets

a. For Cambridge and Winchester styles:

From bottom of upright mark at $\frac{1}{4}"$. This is the location of the bottom of the bottom bracket (Fig. 7).

For VersaRail styles:

From bottom of upright mark at $1\frac{1}{2}"$. This is the location of the bottom of the bottom bracket (Fig. 8).

b. Align bottom of bracket to this line.

c. Pre-drill holes through upright and aluminum with $\frac{1}{8}"$ drill bit. Screw in with two (2) 1" screws as provided in the rail bracket kit (Fig. 9).

Top Brackets

a. For Cambridge and Winchester styles:

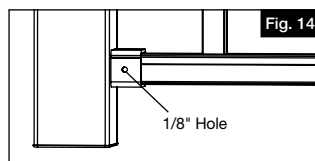
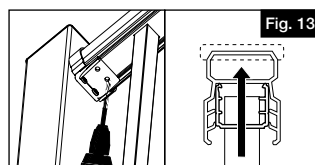
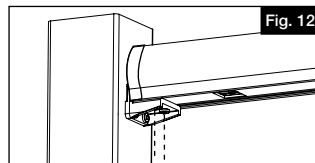
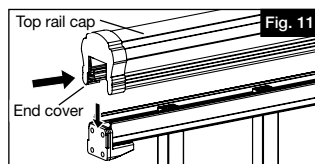
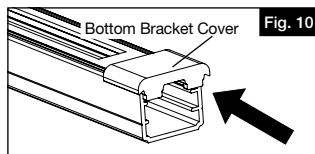
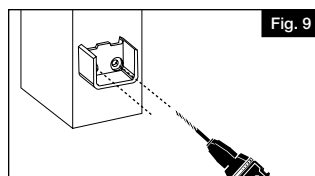
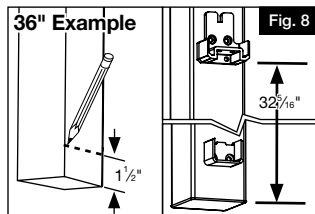
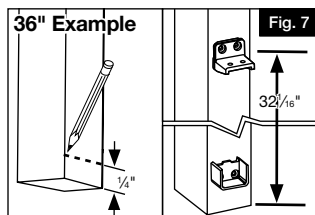
From bottom of upright mark $32\frac{1}{16}"$ for 36" gates and $38\frac{1}{16}"$ for 42" gates. This is the location of the bottom of the top bracket (Fig. 7).

For VersaRail styles:

From bottom of upright mark $32\frac{5}{16}"$ for 36" gates and $38\frac{5}{16}"$ for 42" gates. This is the location of the bottom of the top bracket (Fig. 8).

b. Repeat Step 4b-4c for the top rail bracket (at line made in Step 4d). Install two (2) 1" screws.

c. Test fit the rail panel. Once proper fit is ensured, press bottom bracket covers onto the ends of the bottom rail (Fig. 10).



Permanently Attach Rails To Brackets:

a. Press top rail cap and end covers onto the top rail that was cut in Step 1 onto the top of the panel (Fig. 11).

Press down on the top rail to ensure that it fits snug onto the panel and that the top rail end covers are being held in place by the line bracket.

b. Using the holes in the bracket as a guide, drill two (2) $\frac{1}{8}"$ holes under the bottom of the rail (Fig. 12). Be careful not to drill through the top of the top rail (Fig. 13). Drive two (2) $1\frac{1}{2}"$ screws up through the holes locking the bracket, panel and top rail together.

c. Pre-drill $\frac{1}{8}"$ hole into side of bottom bracket (one per bracket) (Fig. 14).

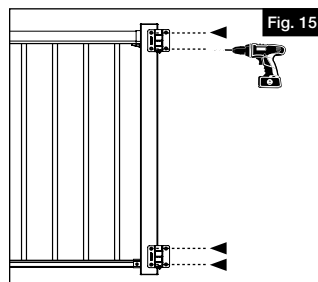
NOTE:

Make sure the bottom rail is completely seated in the bottom bracket. Be sure to drill the hole in the center of the bracket (Fig. 14).

d. Drive a #8 x $\frac{3}{4}"$ screw into the bottom bracket holes on side.

Mount Hinges To Gate:

- Center the provided Boerboel® butterfly hinges on the upright to align with the top and bottom rails of gate and mark screw holes.
- Pre-drill holes (Fig. 15).
- Screw in with two (2) screws (provided with hinge).

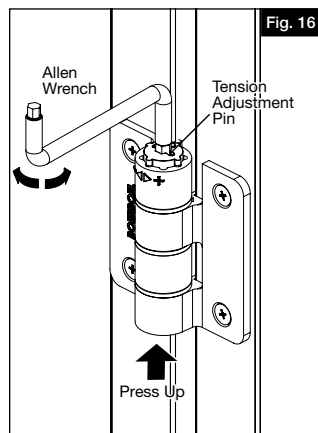


Hinge Tension Adjustment

NOTE:

HINGE TENSION IS PRE-SET AT THE FACTORY AND USUALLY DOES NOT REQUIRE ADJUSTMENT. If you wish to change tension setting/gate swing speed, or completely disable the self-closing feature, please see the following:

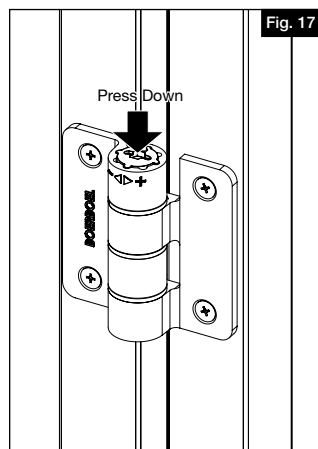
- Place included allen wrench into head of tension adjustment pin in hinge. The head is at the end closest to the + or - symbol on the hinge barrel (Fig. 16).
- While holding the tension adjustment pin with allen wrench, press the opposite end of the pin into the hinge barrel. This will cause the head of the tension adjustment pin to extend beyond the hinge barrel (Fig. 16).



NOTE:

DO NOT remove the allen wrench or release the tension on the tension adjustment pin at any time during the adjustment.

- Following the indicators on the + or - symbol on the hinge barrel, turn the tension adjustment pin toward + to tighten, or toward - to loosen. DO NOT adjust by more than $\frac{1}{4}$ turn, unless you want to disable the self-closing feature (Fig. 16).
 - Self-closing feature can be disabled by loosening the tension adjustment pin one full turn.
 - Do not over-tighten or over-loosen the tension adjustment pin, as this may damage the tension spring.
- When you have set the desired tension, press down on the head of the tension adjustment pin to lock it back into the hinge barrel. Tabs on pin head will fit into notches in hinge barrel when pin is in fully locked position (Fig. 17).



Mounting The Cross Braces:

- On one side of gate, extend the first brace across gate to the uprights, noting one side will be adjacent to hinge (Fig. 18).
- Once length is determined, mark brace in center with pencil line (Fig. 19).
- Pre-drill through the two provided brace holes with $\frac{1}{8}$ " drill bit. Then, secure brace together at the measured length with provided #8 x $\frac{3}{8}$ " blunt end screws (2) in the center of the brace (Fig. 20).
- Attach brace to uprights. Pre-drill one end of brace with a $\frac{1}{8}$ " drill bit through upright, then anchor the brace to the upright with #8 x $\frac{3}{4}$ " screw. Repeat for other end of brace (Fig. 21).
- Flip rail over. Repeat instructions 7a–7d, being sure to install second brace on opposite side of gate, and opposite orientation of brace making an "X" (Fig. 22).

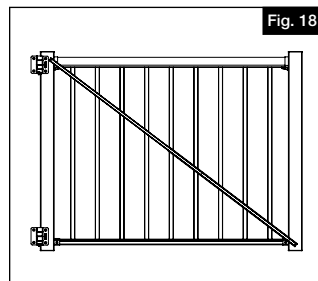


Fig. 18

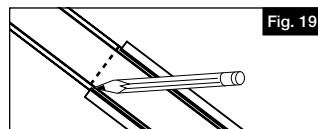


Fig. 19

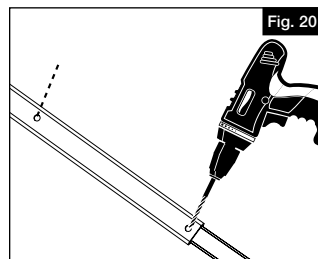


Fig. 20

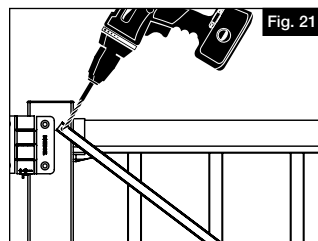


Fig. 21

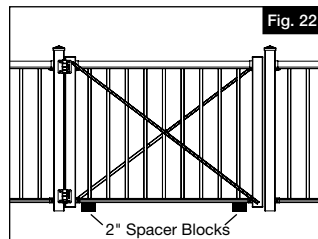


Fig. 22

Hang Assembled Gate To Post:

- Place two 2" tall wood blocks (not included) under the bottom rail of the gate. Align gate between the posts (Fig. 22).
- Secure hinges to posts with 1" Phillips screws as provided with hinges.
- Adjust tension of hinges if necessary – See "Hinge Tension Adjustment".
- Remove the temporary wood blocks.

Install Gravity Latch:

Place the latch at desired height on gate/post. Latch should be on same side of gate, opposite of hinges.

- Once hinges are installed and gate is aligned, mark pilot holes for latch on post and gate through screw holes. Then drill using $\frac{3}{32}$ " bit.
- Measure and install latch with six (6) 1" Phillips screws as provided with the latch. The latch striker is installed on the gate first and then install the latch catch onto the gate post (Fig. 23).

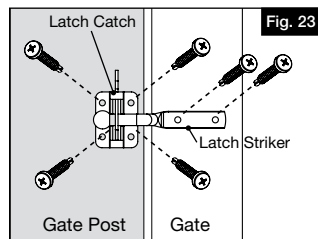


Fig. 23

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7830 FREEWAY CIRCLE
MIDDLEBURG HEIGHTS, OHIO 44130

TEL: (888) 418-4400
WWW.FREEDOM.BARRETTEOUTDOORLIVING.COM

