



Gate Kit
For use with
PVC Composite Railing
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:

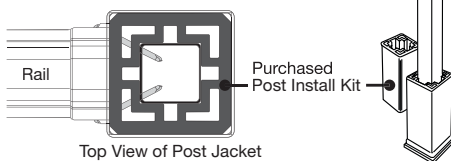
- Improper installation of this product can result in personal injury. Always wear safety goggles when cutting, drilling and assembling the product.
- Incorrect installation may cause harm to the gate or individual.
- Not pool code approved.

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:

Vinyl rail posts require an internal support system for weight-bearing purposes and therefore a post install kit or wood post is required inside a post jacket. Post install kit and wood post needs to be purchased separately.



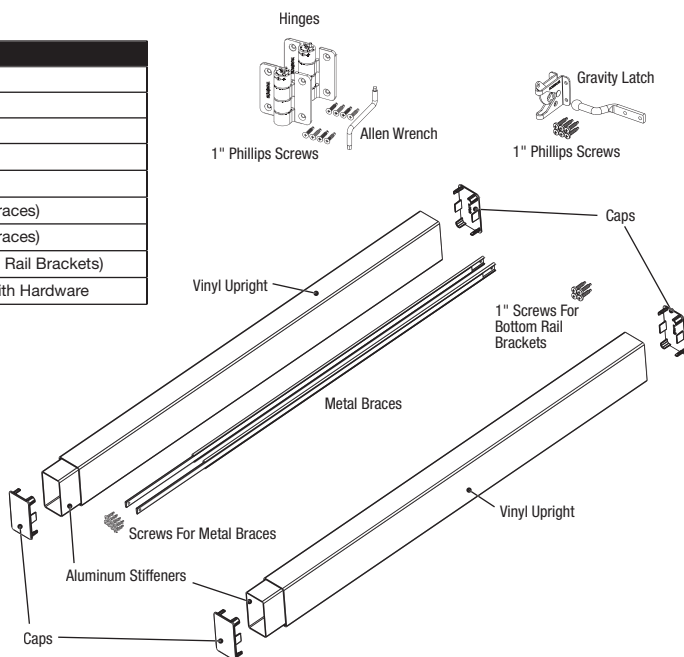
TOOLS NEEDED:

Vinyl Rail
Vinyl Rail Brackets & Screws
Tape Measure
Level
Hacksaw
Rubber Mallet
Drill
5/32" and 1/8" Drill Bits
#2 Square Drive Bit
2" Wood Blocks
Safety Glasses
Pencil

Gate Kit

Component list:

QTY	Description
2	Vinyl Uprights
2	Aluminum Stiffeners
4	Caps
1	Gravity Latch With Hardware
2	Telescoping Metal Braces
4	#8 x 3/4" Screws (For Metal Braces)
4	#8 x 3/4" Screws (For Metal Braces)
4	#10 x 1" Screws (For Bottom Rail Brackets)
2	Compact Butterfly Hinges With Hardware



1

Cut rails to needed length:

Measure opening between posts where gate will be located. Take that dimension and subtract 6½" from opening.

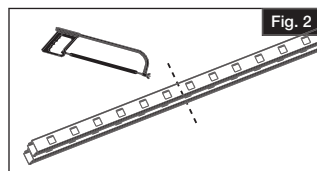
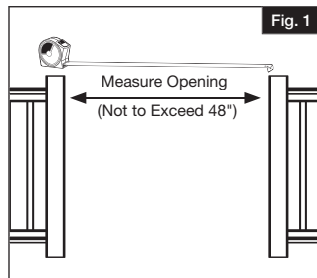
This is the length you will cut your rails for gate (Fig. 1).

NOTE:

Maximum width of opening between posts is 48".

Align top rail with bottom rail and cut both rails with miter box or hacksaw (See saw blade manufacturer's specs for correct blade) (Fig. 2).

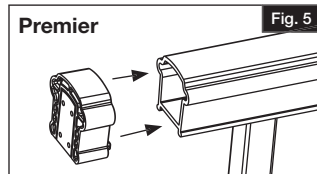
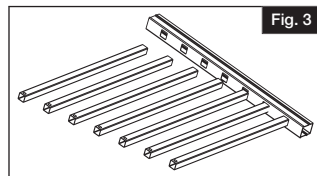
Prior to cutting, be sure the spacing from the end of the rail to the first routed hole is the same on both ends, which will allow for the gate balusters to be installed in proportion.



2

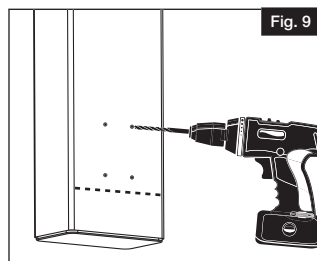
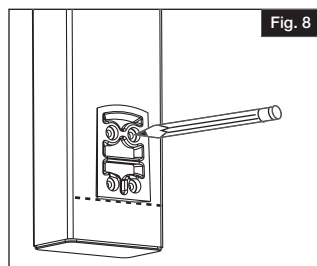
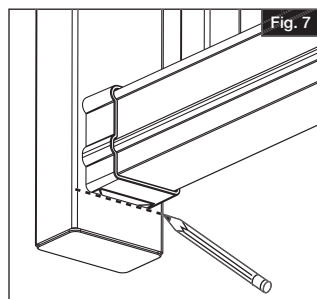
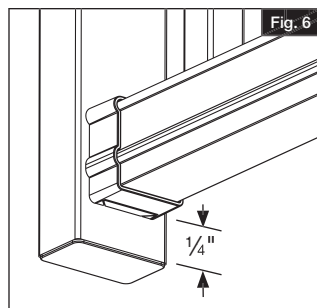
Assemble rails for gate:

- Lay bottom rail on a clean smooth surface and snap balusters into routed holes (Fig. 3).
- Repeat the process to connect the top rail (Fig. 4).
- Slide bracket dovetails into the back of the brackets and slide brackets onto the ends of the rails (Fig. 5).



Install bracket dovetails to gate uprights:

- Lay the assembled rail section on a flat surface and place the uprights on each side.
- To properly align the rail to the uprights, set the bottom of the bottom bracket $\frac{1}{4}$ " from the bottom of the upright (Fig. 6).
- Making sure the rail section is tight (push the top and bottom rails towards each other to make sure the balusters are not loose), mark the bottom of all 4 rail brackets on the uprights (Fig. 7).
- Remove the dovetails from the brackets. Place dovetails on the uprights using the marked lines from above as a guide. Be sure to center the dovetails. Mark the holes from the dovetails on the upright (Fig. 8).
- Pilot drill with a $\frac{5}{32}$ " drill bit through the marked holes, through the plastic as well as the aluminum insert (Fig. 9).
- Mount dovetails with 2" screws as provided in rail bracket kit.



Permanently attach brackets to rails:

- a. For bottom rail, pre-drill two holes underneath bracket with a $\frac{5}{32}$ " drill bit (2 per bracket) (Fig. 10).
- b. For bottom rail, use 1" screws (provided in gate kit; 2 per bracket).
- c. For top rail, pre-drill two holes underneath bracket with a $\frac{5}{32}$ " drill bit (2 per bracket) (Fig. 11).
- d. For top rail, use 2" screws (provided in rail kit; 2 per bracket).

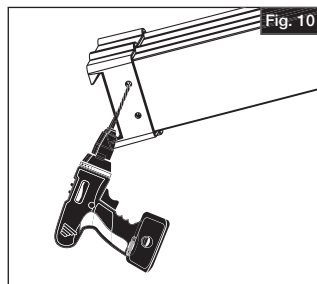


Fig. 10

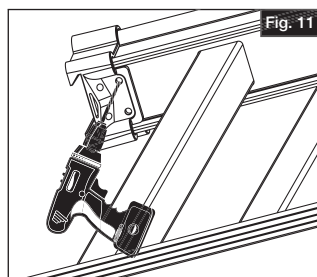


Fig. 11

Assemble rails to uprights:

- a. Once all four dovetails are attached to uprights (step 3) and brackets are connected to rails (step 4), then carry the assembled rail/gate and slide brackets over the dovetails on the uprights (Fig 12).
- b. Then, connect top brackets to uprights. Pre-drill on angle through dimpled angled holes, upright, and aluminum insert with $\frac{5}{32}$ " drill bit. Screw in with 2" screws as provided in the rail bracket kit (Fig. 13).

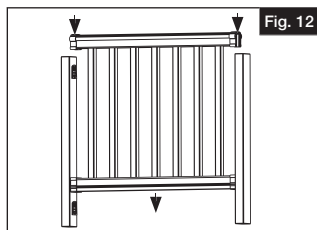


Fig. 12

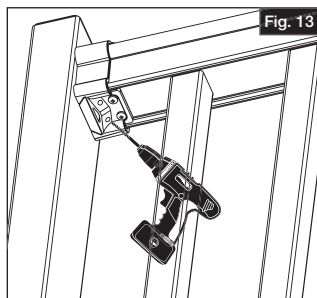


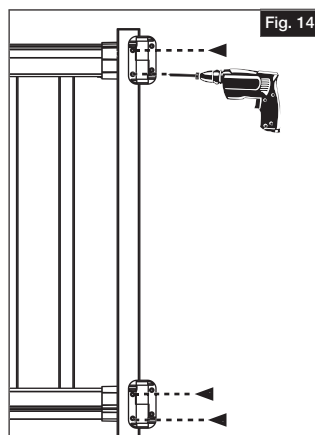
Fig. 13

Mount hinges to gate:

- a. Center the provided hinges on the upright to align with the top and bottom rails of gate and mark screw holes (Fig. 14).
- b. Pre-drill holes through aluminum insert.
- c. Screw in with two (2) 1" Phillips screws (provided with hinge)

Hinge Tension Adjustment**NOTE:**

HINGE TENSION IS PRE-SET AT THE FACTORY AND USUALLY DOES NOT REQUIRE ADJUSTMENT. FOLLOW MANUFACTURER'S INSTRUCTIONS INCLUDED WITH HINGES FOR TENSION CONTROL ADJUSTMENT.



Mounting the cross braces:

- On one side of gate, extend the first brace.
- Extend brace across gate to the uprights, noting one side will be adjacent to hinge (Fig. 15).
- Once length is determined, mark brace in center with pencil line (Fig. 16).
- 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. 17).
- Attach brace to uprights. Pre-drill one end of brace with a $\frac{1}{8}$ " drill bit through upright and aluminum inside of upright, then anchor the brace to the upright with #8 x $\frac{3}{4}$ " screw. Repeat for other end of brace (Fig. 18).
- Flip rail over. Repeat instructions 7a-7e, being sure to install second brace on opposite side of gate, and opposite orientation of brace making an "X" (Fig. 19).

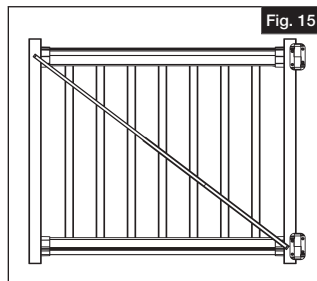


Fig. 15

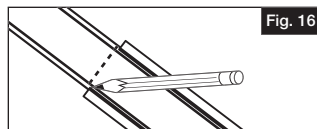


Fig. 16

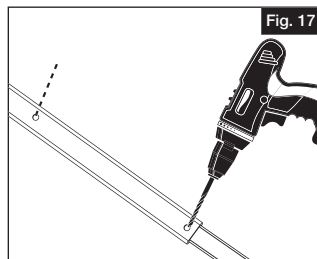


Fig. 17

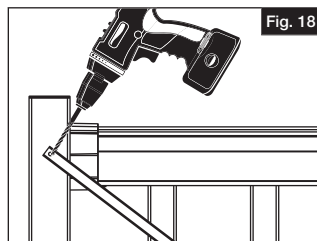


Fig. 18

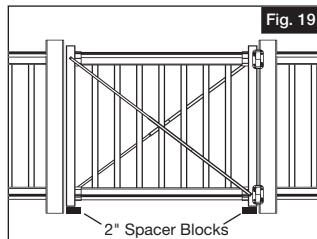


Fig. 19

Hang assembled gate to post:

- Cut two temporary wood blocks 2" tall, (not included), and rest bottom rail of gate on them. Align gate between the posts (Fig. 19).
- Secure hinges to posts with 1" Phillips screws as provided with hinges.
- Adjust tension of hinges – See "Hinge Tension Adjustment".
- Remove the temporary wood blocks.

Install gravity latch:

Orient 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. 20).

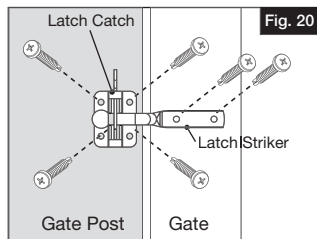


Fig. 20

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