



Gate Crafters 3 Rail Gate Frame Instruction Manual

What You Need:

- Adjustable Wrench
- Tape Measure
- Level
- Pencil
- Paint
- Wood Planks
- Wood Saw
- (18) 3/8" x 2" Carriage bolts, Washers, nuts (single) – (36 for Dual)
- (4) 3/8" x 6" Carriage bolts, Washers, Nuts (single) (8 for dual) – based on 4" round or square wood posts.
- Electric drill with 3/8 and 5/8 inch drill bit

Preliminary:

You should already have posts that are plumb and stable prior to installation of the gate. Posts can be any material however the 6" carriage bolts below may need to be changed to a different bolt size or style to work with your posts.



The frame bracket with the longer middle bar is on the hinge side during installation. The plates should be closest to the outside of the gate.

For dual gates allow for at least 1/2" of clearance between leaves.

The top J Bolt faces down and the bottom faces up, only one bearing is needed in the top barrel. The bottom is reversed to prevent theft or lifting of the gate.

Steps 1 and 2

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Step 1:

Measure down 3" from the top and up 3" from the bottom on the hinge side of the frame. Mark with a horizontal line at 3". Measure 3/4" inches in along the horizontal line from the inside of the frame for both the top and bottom. Mark this with a vertical line.



Drill a hole centered on the cross mark made using a 5/8" drill bit. Go completely through both walls of the frame.



Step 2:

On the hinge plates, drill a hole above and below the hinge barrel. The holes should be centered vertically and horizontally.



Step 3

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Put the threaded end of the J Bolt through the top hole of the frame with the J facing down. Place a nut and washer on each side of the frame with the washers being on the inside next to the frame.



Drop the bearing into the barrel and place the smooth end of the J Bolt into the hinge barrel. Hold the gate frame the height off the ground you would like your gate to hang and hold the hinge plate against the post and mark its position.

Remove the J Bolt from the hinge plate. Hold the hinge plate back in the position you had marked and check that it is level. Using a 3/8" drill bit and the holes of the hinge plate as a guide, drill through your post. Secure the hinge plate to the post using 3/8" carriage bolts. The carriage head should be on the back side of the posts, as you tighten down the nut the carriage heads will sink into the wood of the post.



Step 4

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Step 4:

Insert the bottom J Bolt threaded end through the frame with the J facing up and secure it with the provided washers and nuts. Place the hinge barrel on top of the J Bolt.

Place the gate frame back into the top hinge and align the bottom hinge plate vertically to the top and confirm it is level. Mark the bottom plate position and swing the gate frame to the open position while holding the bottom hinge plate in place. Recheck its alignment with your marking and levelness.

Using a 3/8" drill bit and the holes of the hinge plate as a guide, drill through your post. Secure the hinge plate to the post using 3/8" carriage bolts. Cut off any excess bolt past the washer and nut.

Once the hinge plates are mounted to the post, take the frame off of the threaded J Bolts.



Step 5 & 6

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Step 5:

Using a 3/8" drill bit, drill 3 holes on each frame plate in the pattern as seen to the right. Exact measurements are not needed.



Step 6:

Cut your wood planks to the measurement needed for your driveway. Do not exceed 10' in overall length of the frame.

The gate leaf should allow 1 1/2" for the space between the post and the frame and 4" for the frame (2" per frame). The wood planks will sit inside face of frame to inside face of frame.

Note: Bevel the inside face of the planks on the ends to account for the welds of the frame for a more professional look.

Step 7

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Lay the planks outside face down on the grass. Lay the frames on top of the planks and move the planks as close to center of each of the frame flat bars as possible.

Before the next step of drilling each hole, use a tape measure and center the flat bars on each plank.



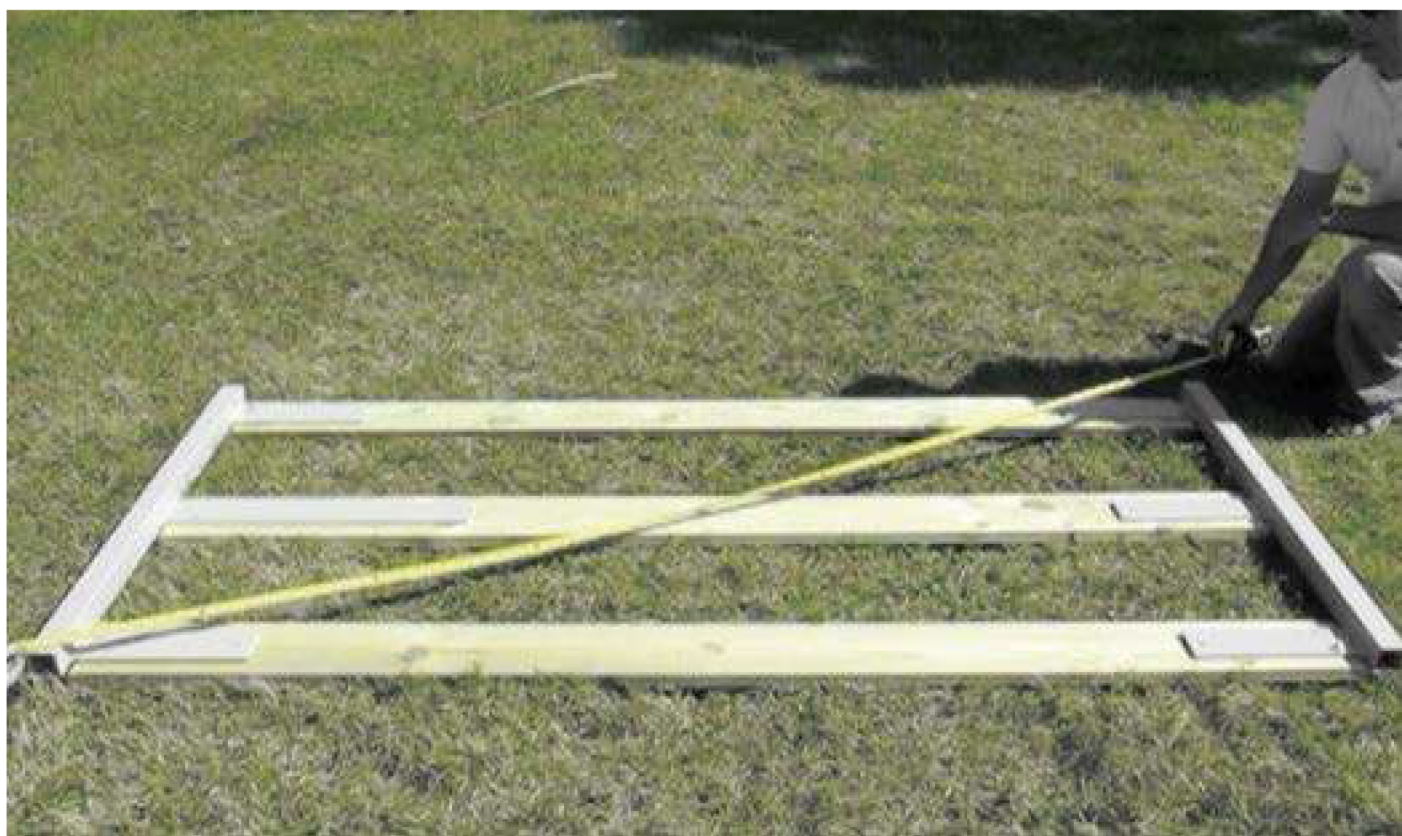
Then using a 3/8" drill bit and the INSIDE hole as a guide (closest to the frame), drill through the planks for the inside hole on each plank and secure with a 3/8" bolt, washer and nuts on each one before drilling the next. The carriage head should be on the outside face of the gate with the washer and nut facing you as you complete the gate frame.



Step 7a

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After all 6 holes are drilled and secured with nuts and bolts; square your gate frame. Do this by measuring diagonally across the gate. Record the first measurement. Then measure the opposite diagonal. If the measurement is different shift the gate frame to reduce that difference by half. Then recheck the first – the adjustment should have altered the first measurement to match the adjusted second measurement.



EXAMPLE:

- First measurement is 72"
- Second measurement is 78"
- Adjust frame so second measurement is now 75"
- Recheck first – it should have changed to 75" as well with the adjustment.

Once the gate is square, drill the center hole on the long flat bar of the frame and secure it with a bolt, washer and nut. This will square the square of the frame.

Proceed to drill and securing the rest of the holes.

Steps 8 & 9

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Step 8:

Carry the gate with a partner to the posts to mount it.

While a partner holds the end of the gate and the J Bolt in the hinge barrel, guide the top hinge into the hole but do not pass all the way through the frame.

Hold the bottom J Bolt in the bottom hinge barrel. Have the partner slightly lift the end of the gate and insert the bottom J Bolt halfway into the frame.

With both bolts part way in the frame the partner can lower the gate level and slide it so the J Bolt goes all the way through the frame.

Put the nut and washer on the inside face of the frame to secure the gate in place.



Step 9:

To level the gate move the position of the nuts on the J Bolts to make the end of the gate go up or down.

For heavier woods or if your gate starts to sag over time, use the provided turn-buckle to prevent the sag. The turn-buckle is attached to the upper bolt on the hinge side diagonally to the lower bolt on the non-hinge side. As you tighten the turn buckle the end of the gate will be raised.