



5435 Frame & Panel Master Owners Manual

*U.S. Patent #5,960,843
Please Read Carefully!*



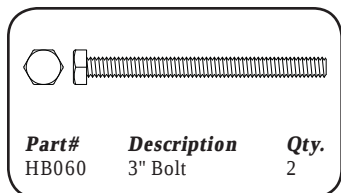
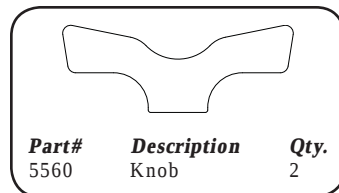
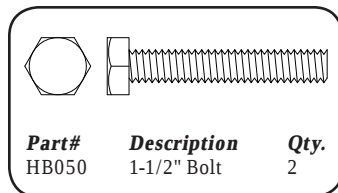
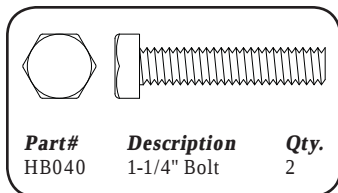
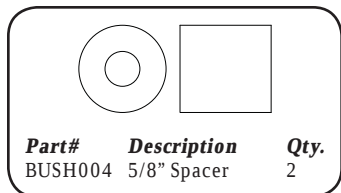
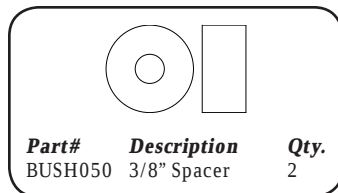
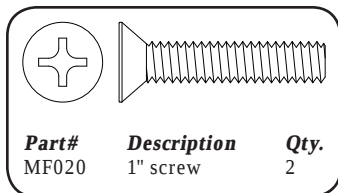
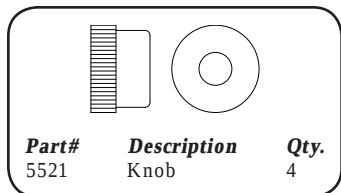
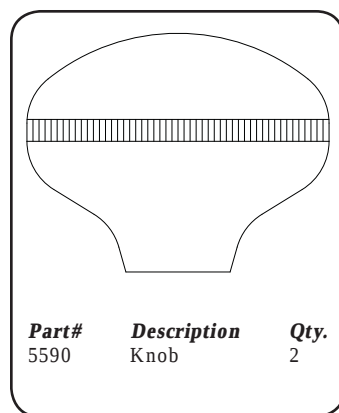
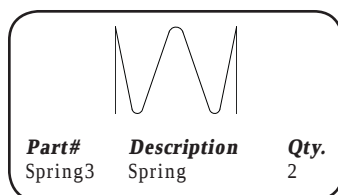
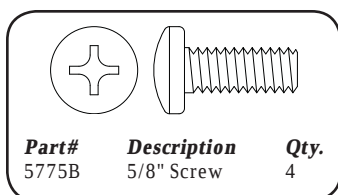
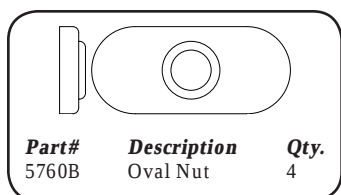
Additional Hardware:

Parts listed below are not shown in the hardware drawings. Refer to photos in the instructions:

Part	Desc	Qty
5434A	Fence	2
5434B	Base	1
5434C	Clamp Pad	2
4206	6" One Track	2

5434 Frame & Panel Master Hardware List:

*Identify and verify that you have all of the hardware shown below prior to assembly.
Tools needed for assembly: Phillips screwdriver*



BEFORE BEGINNING

Identify and verify that you have all the parts listed. The Frame & Panel Master was designed to be used with Woodhaven Standard Door Templates for the router. It will hold parts between 5" and 20" long/wide and up to 7/8" thick. Read the instructions carefully at least once before beginning.

ASSEMBLY

Insert two 5/8" screws (**5775B**) thru the holes indicated in each fence and start an oval nut (**5760B**), flat side first, on the end of each screw. Slide a 6" one track (**4206**) on the oval nuts, position them on the fences as shown and tighten the screws. *See fig. 1.*

Attach the fences to the base (**5434B**), but first determine whether you'll be cutting panels or rails.

For rail work the fences should be placed with their notched edges facing each other. *See fig. 2.*

For panel work the fences should be placed with their straight edges facing each other. *See fig. 3.*

Install two 1-1/2" bolts (**HB050**), one on each side, thru the bottom of the base into slot "C". Install a fence on each bolt, followed by a 5/8" long spacer (**BUSH004**) and a knob (**5590**). The 6" One track attached to each fence should be snug against the edge of the base. Slide the fences as far apart from each other as possible on the base and tighten the knobs.

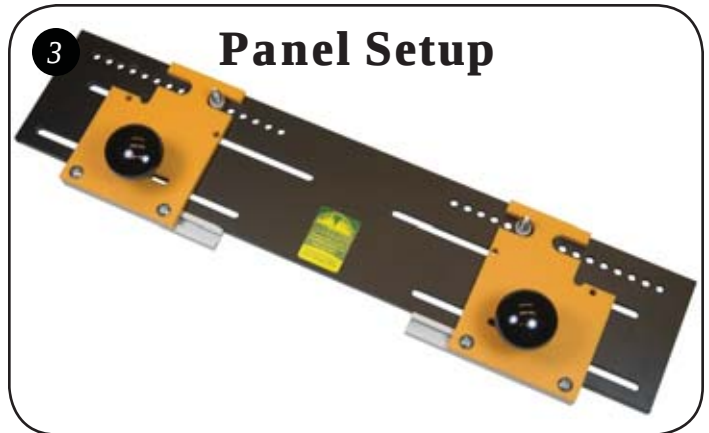
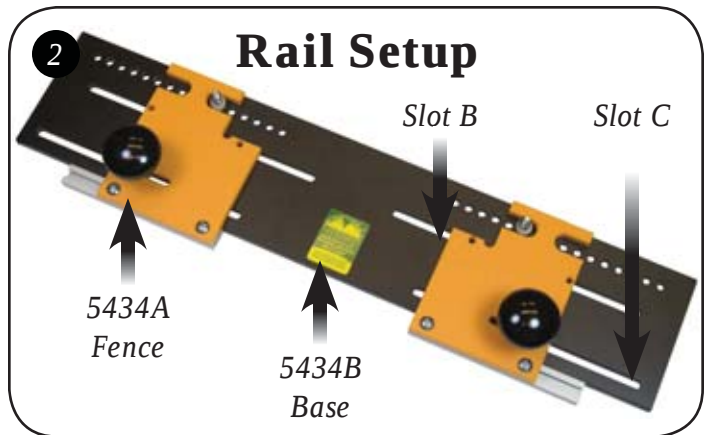
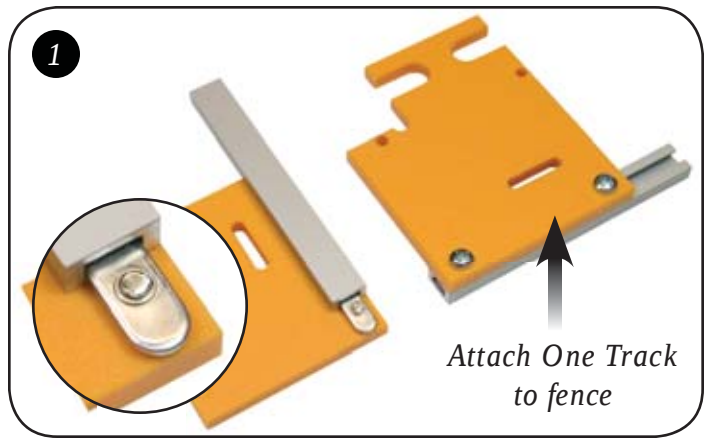
Select the Standard Door Template you wish to use. You will not use the fences that came with the Standard Door Template Set when using the Frame & Panel Master.

Center the template side-to-side on the base and install two 1-1/4" bolts (**HB040**) through the bottom of the base, into the holes in slot "A" of the base that match up with the holes in the template. Tighten the bolt in place with a knob (**5521**) and place a spring (**Spring3**) on each bolt. *See fig. 4.*

Insert a 3" bolt (**HB060**) thru the bottom of the base in slot "B", one on each side, thru the hole in the fence nearest the work.

Screw a knob (**5521**) on to each 1" screw (**MF020**) and install the screw/knob in the threaded hole in each clamp pad (**5434C**). Adjust the head of the screw to match the thickness of the wood you're machining and tighten the knob. *See fig. 5*

The clamp pad slips onto the bolt, followed by a 3/8" spacer (**BUSH050**) and knob (**5560**) which hold the template/work to the base. The fences are slotted for optimum placement of the fence knobs in relation to the clamp pads. *See fig. 5*



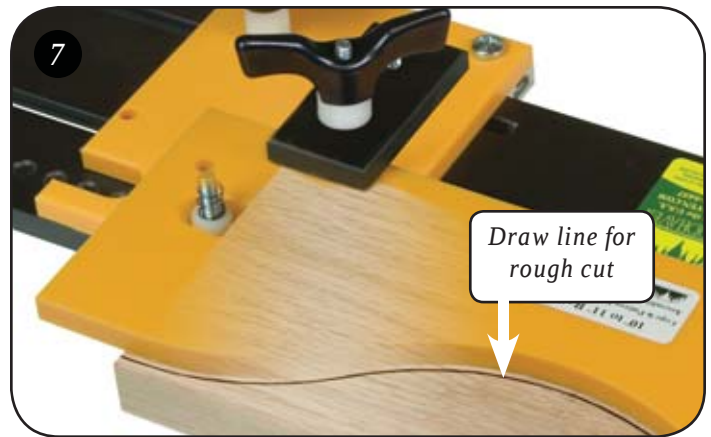
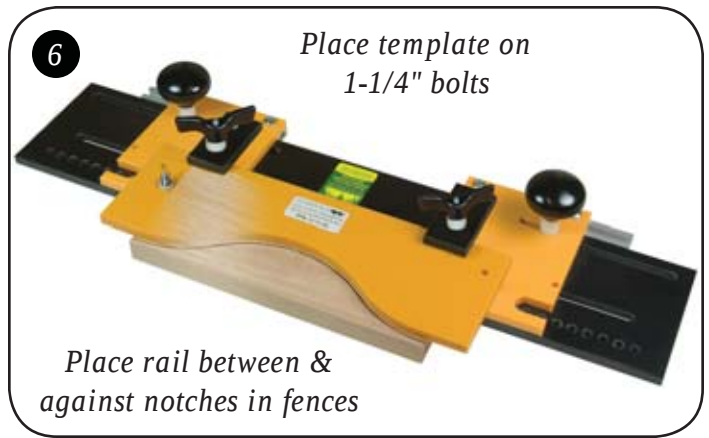
MARK & CUT RAIL PROFILE

Place the rail on the base and slide the fences up against each end of the rail so it's between the notches in the fences. Place the template on the 1-1/4" bolts. *See fig. 2 & 6.*

Adjust the fences/rail to center the rail on the template so there is an even amount of template overhanging the rail at each end. Using the template as a pattern, draw a pencil line on the rail. *See fig. 7.* Remove the rail and saw it to shape, staying approximately 1/8" away from the finished line.

Re-install the rail and template on the base. Clamp the template/rail to the base using the knobs on top of the clamp pads. **The knobs are larger than previous ones so they're easier to tighten. However overtightening may cause damage to the jig!** Hold the jig by the handles and machine the rail to shape using a flush trimming bit. *See fig. 8.*

Remove the machined rail and install another. If you have a second router setup, you can go directly from shaping the rail with a flush trim bit to machining the pattern (up to 1/2" deep) without having to remove the rail between operations. For the safest pattern cutting operation, at least 1/8" of the bearing should ride on the template at the start of the cut. This way the template acts as a starting pin, providing the best control of the part. Depending on part thickness, this may require you to add a spacer between the bearing and the cutter. *See fig. 9.*



MARK & CUT PANEL PROFILE

Place the panel on the base and slide the fences up against each side of the panel so it's between the straight edges of the fences. Place the template on the 1-1/4" bolts. *See fig. 3 & 10.*

Adjust the fences to center the panel on the template so there is an even amount of template overhanging the panel at each end. Using the template as a pattern, draw a pencil line on the panel. *See fig. 11.* Remove the panel and rough saw it to shape, staying approximately 1/8" away from the finished line.

Re-install the template and panel on the base. Clamp the template/panel to the base using the knobs on top of the clamp pads. **The knobs are larger than previous ones so they're easier to tighten. However overtightening may cause damage to the jig!** Hold the jig by the handles and machine the panel to shape using a flush trimming bit. *See fig. 12.*

Remove the machined panel and install another. You can also use the Frame & Panel Master to hold the panel as you machine the raised panel profile in the curved edge. This will work only if you install the panel so it projects past the template at least 1-5/8" to prevent the bit from cutting into the base. *See fig. 13.*

For best results, and optimum control, use a fence for support. Adjust the fence position so that the highest part of the panel is touching the fence. This lets you slide along the fence, until the part has reached the bit. *See fig. 13.*

ACCESSORIES

The optional Clamps take the place of the standard 5560 knobs for faster part clamping.

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