



578 Horizontal Router Table

Owners Manual

Please Read Carefully!

Parts List:

Please identify and verify that you have all of the hardware shown below prior to assembly.

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

Part	Description	Quantity
INS	Router Mounting Instructions	1
4004	4" Double Track	2
4010	9-3/4" Double Track	4
4024	24" Double Track	2
578P	Router Plate	1
578B	Phenolic Table	1
578C	MDF Sides, Pair	1
578CX	Crank Handle, 2 piece set	1
578D	Crank Brace	1
578G	Phenolic Fence	2
578M	Bit Insert	2
224	Guard	1



Part#	Description	Qty.
5760B	Oval Nut	30

Part#	Description	Qty.
MF020	1-1/4" Screw	22

Part#	Description	Qty.
5771B	3/4" Screw	6

Part#	Description	Qty.
578E	Track Guide	4

Part#	Description	Qty.
MT010	1/2" Screw	4

Part#	Description	Qty.
MF015	1" Screw	4

Part#	Description	Qty.
5503	Thumb Screw	2

Part#	Description	Qty.
BUSH5038	Spacer	2

Part#	Description	Qty.
5863	Ratchet Handle	2

Part#	Description	Qty.
MF037	5/8" Screw	2

BEFORE BEGINNING

Identify and verify that you have all the parts listed. Read the instructions at least once, familiarizing yourself with the parts, before beginning. You'll need a #3 Phillips screwdriver for assembly.

DRILL ROUTER MOUNTING HOLES

Drill the screw mounting holes in the router plate (**578P**) for the router you will be using. We recommend a standard base router because it's easier to change bits, but plunge routers will work. Some routers may require that the handles be removed, but if they can't, try mounting the router with the handles positioned vertically. Check this before drilling the router plate to insure it will work. As a guide, follow the directions in the Router Mounting Instruction sheet but make sure to mount the router so the controls are accessible when mounted in the horizontal router table. Don't mount your router yet, just drill the mounting holes.

1. PLATE GUIDE ASSEMBLY

The router plate has a top and bottom to it, plus ribs that guide the plate in the tracks. The top of the plate is where two 10/24 threaded holes are located along the 11-3/4" edge of the plate, near the center. *See fig. 2.*

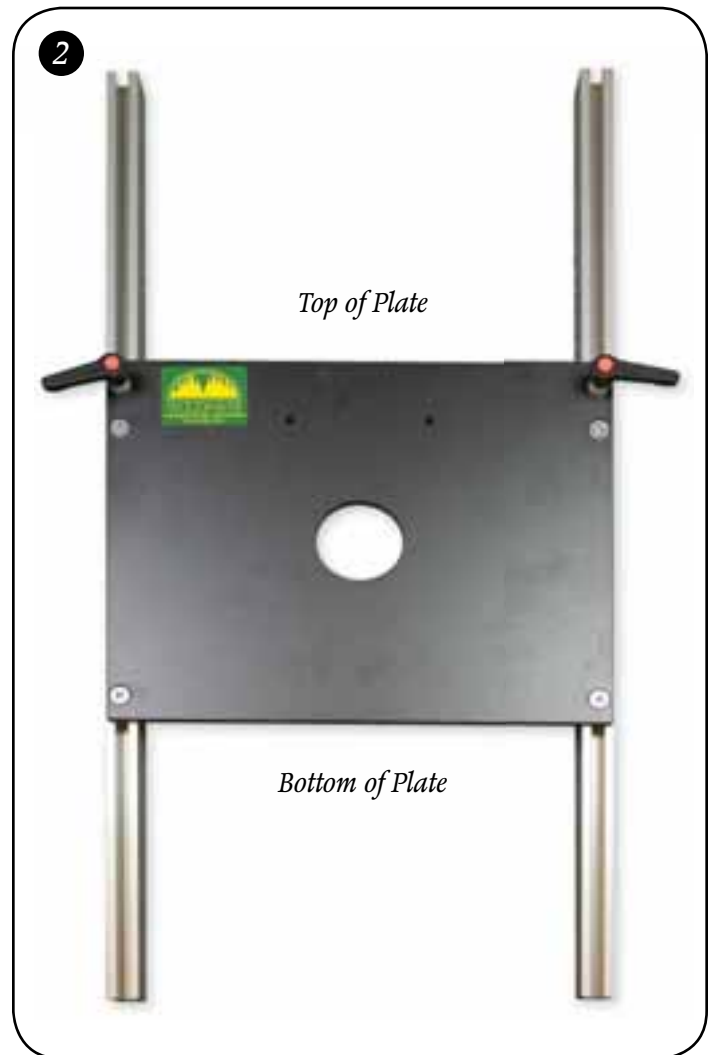
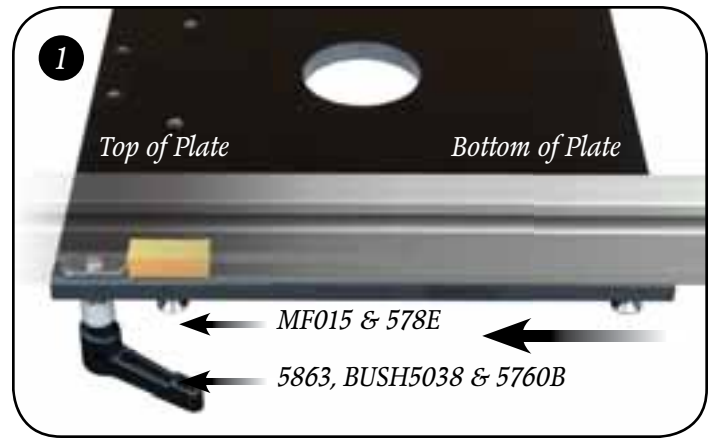
Install a spacer (**BUSH5038**) on the threaded stud of both ratchet handles (**5863**) and insert the studs thru the holes at the top corners of the router plate. Start an oval nut (**5760B**) on the end of both studs. *See fig. 1.*

Install the four 1" screws (**MF015**) thru the four countersunk holes in the router plate. Start a track guide (**578E**) on the ends of the screws. Note that one side of the track guide hole is chamfered. Start the screws into the threaded holes from the chamfered side. You'll notice that the hole gets tighter as you turn the screw further into the track guide. This reduces any chance of vibration from your router loosening the screws and affecting your router plate height. *See fig. 1.*

Install a 24" double track (**4024**) on the oval nut and both track guides on each side of the router plate. *See fig. 1 & 2.*

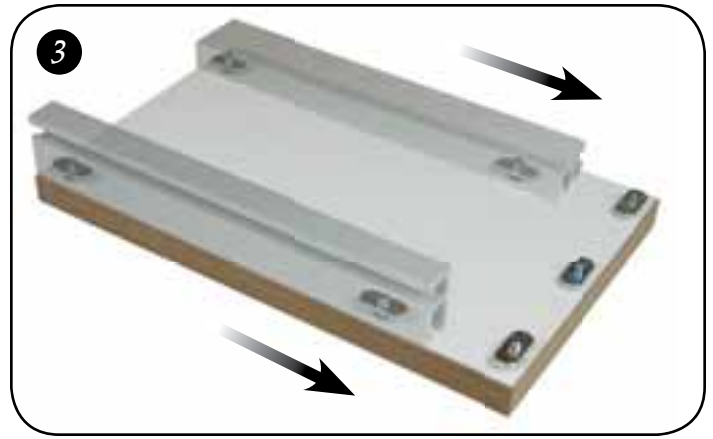
2. PLATE ADJUSTMENT

Make sure the T-slot on the side of the track faces out, away from the router plate. The rib on the back of the router plate (on each side) should be in the T-slot of the track. Snug all four screws until the track won't slide, then loosen the screws until the track just begins to slide, but not too easily. There should be a little tension on the track. Position the tracks approximately centered on the router plate and tighten the ratchet handles. *See fig. 2.*



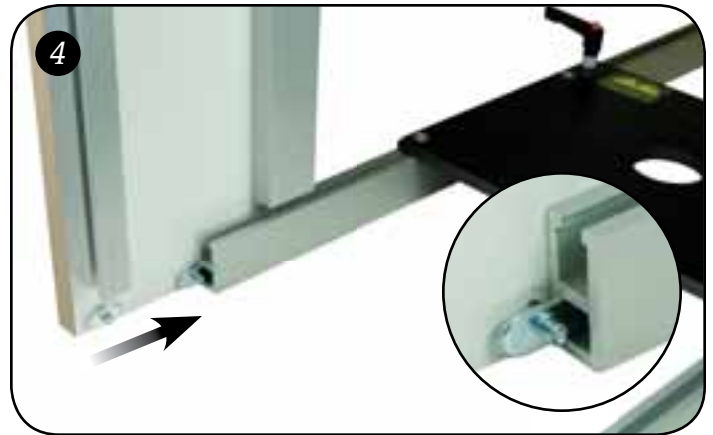
3. ASSEMBLE THE SIDES

Install a 1-1/4" screw (*MF020*) through the countersunk holes in the pair of MDF sides (*578C*) and start an oval nut (*5760B*) on the ends of the screws. Slide a 9-3/4" double track (*4010*) onto the oval nuts located on the long edges of both sides. Adjust the two tracks even with the end and edges of each side and tighten the screws. One track should be oriented vertically and the other should lay flat. Mirror this setup for the second side. *See fig. 3 & 4*



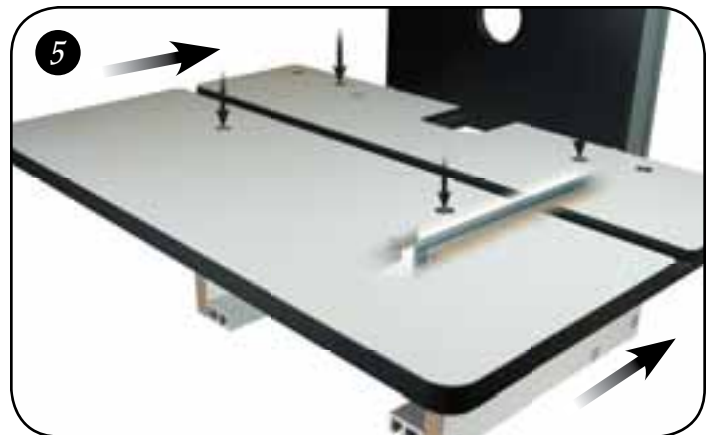
4. ATTACH THE SIDES AND PLATE GUIDES

Slide the assembled sides onto the 24" double track, with the oval nuts in the T-slot of the 24" track, until they're even with the end of the track and tighten the screws. *See fig. 4.*



5. INSTALL THE TABLE TOP

Install a 1-1/4" screw (*MF020*) through the four countersunk holes shown in the phenolic table (*578B*) and start an oval nut (*5760B*) on the ends of the screws. Slide the table/oval nuts onto the T-slot of the 9-3/4" tracks at the top of the MDF sides. Position the table so its edge is approximately 1/32" away from the face of the router plate and tighten the screws. *See fig. 5.*



6. ASSEMBLE & INSTALL THE FENCE BRACKETS

Install a 1-1/4" screw (*MF020*) through the four remaining countersunk holes in the phenolic table (*578B*) and start an oval nut (*5760B*) on the ends of the screws. Slide a 4" double track (*4004*) onto the oval nuts so the T-slot in the edge of the track faces towards the edge of the phenolic table and hangs past it slightly. Center the track on the oval nuts and tighten the screws. *See fig. 6.*

Insert a 3/4" screw (*5771B*) through the holes in the phenolic fences (*578G*) as shown and install an oval nut on the ends of the screws. Slide the oval nuts/fences onto the 4" double tracks, with the end of the fence 1/32" from the edge of the plate and tighten the screws. Using a straight edge, loosen the two screws holding the fence bracket on the phenolic table, adjust the fence face even with the face of the router plate and re-tighten the screws.



7. ASSEMBLE & INSTALL THE CRANK HANDLE

Get the crank handle parts. There are two assemblies, one has a crank and the other has a bolt. Attach the bolt assembly to the back of the router plate, at the top. Insert a 1/2" screw (*MT010*) thru the two mounting holes in the bracket and leave them slightly loose for now. *See fig. 7.*

Install the crank assembly on the back (*the side with the two machined ends*) of the crank brace (*578D*) using two 1/2" screws (*MT010*) inserted thru the two mounting holes in the bracket. Start the screws in the crank brace, but leave them slightly loose. From the front of the brace insert a 3/4" screw (*5771B*) thru the two mounting holes and start an oval nut (*5760B*) on the ends of the screws. *See fig. 7.* Slide the brace/oval nuts onto the 24" tracks until the end of the crank assembly lines up with the bolt. Turn the crank to screw the crank assembly onto the bolt at least 1". Tighten the screws (*5771B*) on the crank brace and the four 1/2" screws (*MT010*). *See fig 7 & 8*



8. MOUNT YOUR ROUTER ON THE PLATE

Mount your router on the router plate. *See fig. 8.* Insert the thumb screw (*5503*) thru the slot of the Guard (*224*) and into the tapped holes in the router plate.

9. MOUNT ZERO-CLEARANCE INSERT

Mount a zero-clearance insert (*578M*) in the recessed opening in the table. Use the two 5/8" screws (*MF037*) to attach the insert to the threaded holes in the table. An extra insert is provided and extras may be ordered.

USING THE HORIZONTAL ROUTER TABLE

The crank provides 2-5/8" of fine bit height adjustment. By loosening the two ratchet handles and the two crank brace screws, you can move the router plate/crank assembly up or down for a great range of coarse adjustment. Make sure the two ratchet handles are loosened before attempting to turn the crank and make sure you tighten the handles after all height adjustments.

Clamp or bolt the horizontal table to a workbench before using. For safety, the bit should always be between the work and the table. The horizontal table can be used for mortising, edge routing, vertical panel bits, cutting tenons, etc.

For mortising, we recommend our optional *575 Mortising Table*. For additional safety and routing consistency we recommend our *578HD Hold-All Kit*.

