

## #415-4502/#9576 Router Table Fence



### Tools for assembly

10mm wrench

6mm wrench

Phillips screw driver

1/16" Drill Bit

3/16" Drill bit

### Assembling the Mounting Tracks

A table mounting bracket is used to attach this fence to the router table top. This bracket is equipped with a slot to accept a T-Nut for assembling the Fence Track to the Table Mounting Bracket. (The fence track comes attached to the aluminum extruded fence support for shipping purposes. It must be removed before starting assembly. See Fig 1). After removing the Fence Tracks, use a 6mm hex bolt and flat washer and insert the bolt threads through the slots on the bottom part of the Fence Tracks. Screw the T-Nut onto the threads leaving it loose at this time. Slide the T-Nut into the t-slot on the fence bracket (See Fig 2). Leave only hand tight at this time.



Fig 1

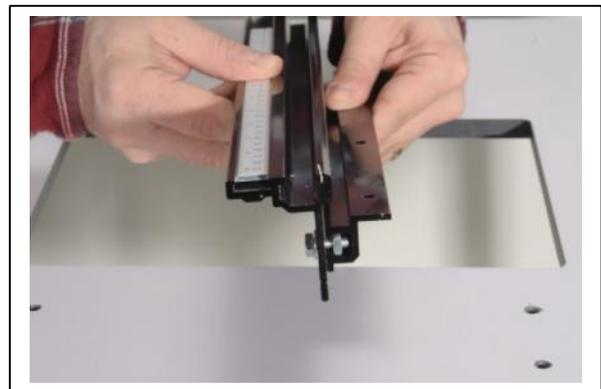


Fig 2

## Mounting the Fence Tracks to a Non Pre-Drilled Table (For Mounting to the Pre-Drilled Table skip to the next section)

You need to measure the distance from the front edge of the table to center point of the opening for the router bit. Mark this location on both the right and left edges of the table. From the center point mark you just made measure 3" toward the front edge of the table and make a second mark on both the right and left edges of the table as well as the bottom of the table.

Turn the table over or upside down and place the Table Mounting Bracket assemblies upside down on the table, aligning the front edge of the bracket with second line you marked (3" closer the front edge of the table than the center point of the router bit hole). Use a pencil and mark the 4 mounting holes for attaching the Bracket to the table.

Pre drill these holes with a 1/16" drill bit. **BE CAREFUL NOT TO DRILL ALL THE WAY THROUGH THE TABLE TOP.** Use #6 – 3/4" Wood screws to attach the bracket to the table. Do the same thing on the other side of the table.

## Mounting the Fence Tracks to the Pre-Drilled Router Table Top

The table top is pre-drilled for mounting the Fence Tracks. Turn the table top upside down and position the Fence Track assemblies. Use 4.8mm x 25mm Wood Screws to attach the Fence Track assemblies to the **MDF** core table top. For the Pre-drilled **Phenolic Table Top** use the 6mm x 45mm Socket head cap screws (See Fig 3 for a Bottom View, See Fig4 for a Top View).

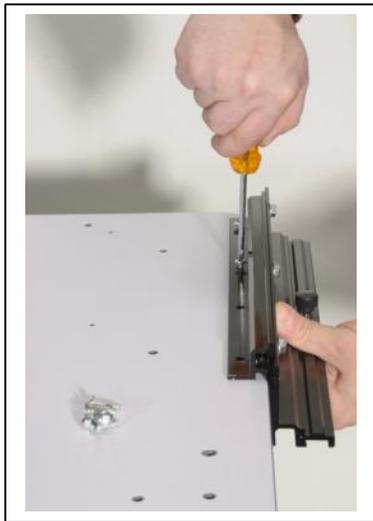


Fig 3

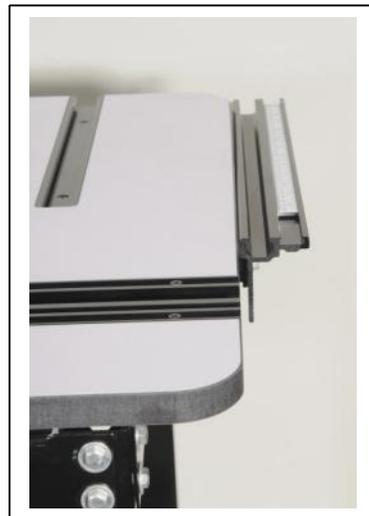


Fig 4

### Leveling the Fence Track

With the table in the proper upright position place the Fence on the table top and allow it to hang over the edges of the table and lay across the Fence Track assemblies. Raise the Fence Track until it is flush to the bottom of the fence. Lock the Fence Track assembly in place using a 10mm wrench. It is best to do this one bolt at a time and for each bolt reposition the fence directly over it to make sure it is flush (See Fig 5).

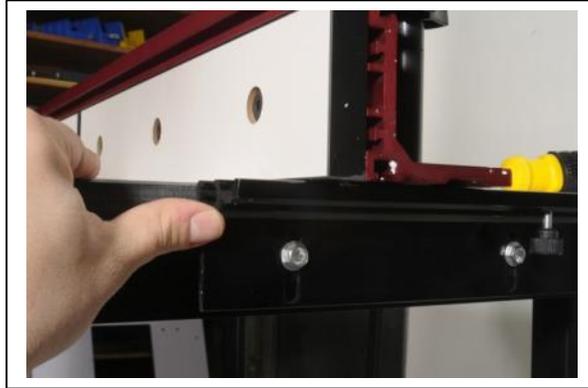


Fig 5

### Mounting the Fence to the Fence Tracks

Slide the 3/4" Hex Nuts into the T-Slot next to the Ruler on the Fence Tracks. Place one end of the Fence over the Hex Nut and with the Extension Knob going through the slot in the fence, thread the knob into the Hex Nut to hold the fence into position. Do the same thing on the other side of the fence. Use the extension knobs to securely lock the fence into your desired position when in use (See Fig 6 and Fig 7).



Fig 6



Fig 7

## Adjusting the Fence Track Rulers

The rulers on the Fence Track are adjustable to add precision to positioning of the Fence. To adjust, loosen the Knurled Nut under the Fence Track, move the Ruler to your desired position and lock it in place by tightening the Knurled Nut. TIP: You can use these adjustable rules as a ZERO position reference point by adjusting the ruler to zero once your fence is set up in the desired position in relation to your router bit (See Fig 8).

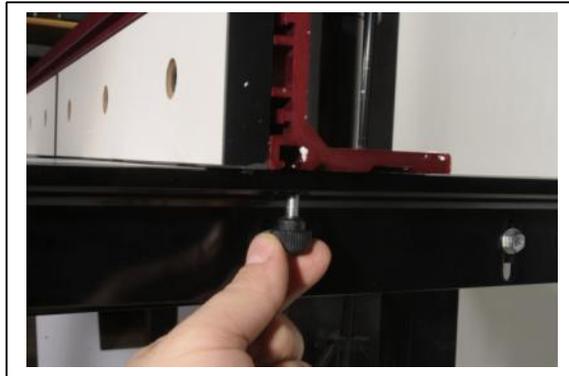


Fig 8

## Centering the Fence to the Table

This Fence is supplied with a nylon bushing for keeping the fence centered on the table. Use the 6mm x 15mm bolt and insert into the 1/2" Nylon Spacer and the thread on one of the 6mm Nuts. Do not thread the Nut all the way on. Now slide the Square Nut into the front T-Slot under the left side of the Fence. Leave it loose and approx 1" in from the end of the fence (See Fig 9).

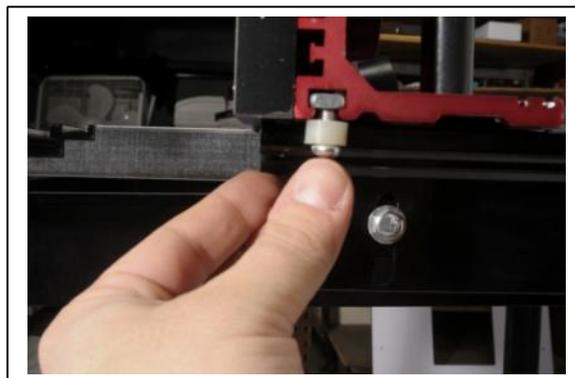


Fig 9

Now slide the fence with the Nylon Bushing into the T-Slot on the Fence Track. The Nylon Bushing should be loose to allow for movement. Slide the fence back and center it left to right with the router bit hole opening. Set the fence to parallel to the miter slot or front edge of the table.

Now that the center position is located, keep the fence in the parallel position to the miter slot and carefully slide it forward until the Nylon Bushing is just out of the Fence Track. Tighten the bolt with the Nylon Bushing to lock it in place. Be very careful not to move the position of this when tightening. Now slide the fence back to center and check the position for center. Make any necessary adjustments (See Fig 10).



Fig 10

### Installing the Sub-Fences

Place the Sub-Fences against the front of the Fence extrusion and align the hole in the sub-fence to the slots in the fence. Insert the 6mm x 45mm screws into the front of the Sub-Fence through the slot in the fence. Place a 6mm washer over the screw on the backside of the fence and then thread the black knobs onto this same screw. Do the same thing for all the holes in both the left and right Sub-Fences (See Fig 11 and Fig 12).



Fig 11



Fig 12

### Installing the Sub Fence Offset Track

This fence is supplied with Offset Tracks to allow for a  $1/32$ " or  $1/16$ " Offset. These tracks are stored in the back of the fence. Remove the Sub-Fence and you will see locations specifically designed to accept the Offset Tracks. Use both Offset Tracks on the same Sub-Fence to ensure that the offset is consistent top to bottom. Now you can re-install the Sub Fence over the Offset Tracks (See Fig 13).

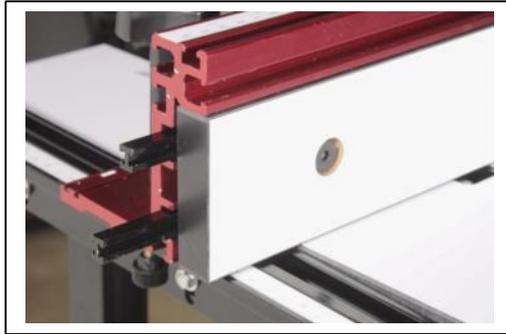


Fig 13

### Attaching the Router Bit Guard

Use two  $1/4$ " Square Nuts places in the T-Slot in the fence. Insert two of the black knurled knobs through the slots in the Router Bit Guard and thread them into the Square Nuts. Slide the bit guard to your desired location and use the knobs to lock the position (See Fig 14 and Fig 15).



Fig 14

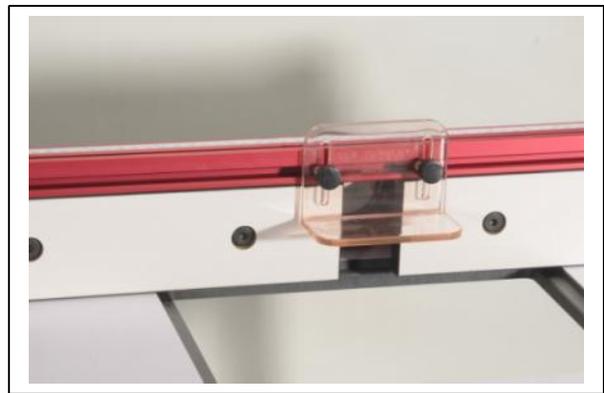


Fig 15