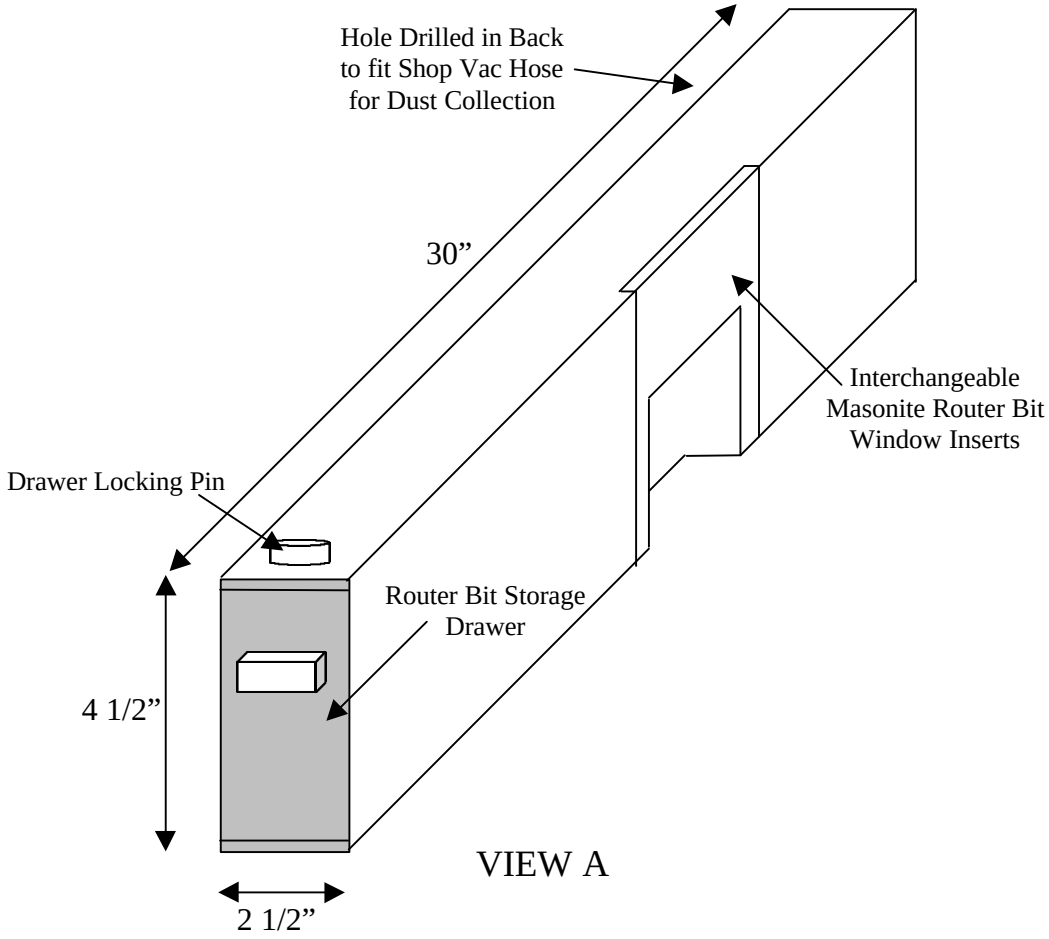
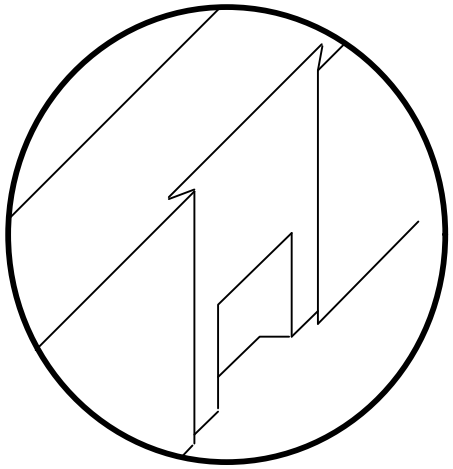
Router Fence

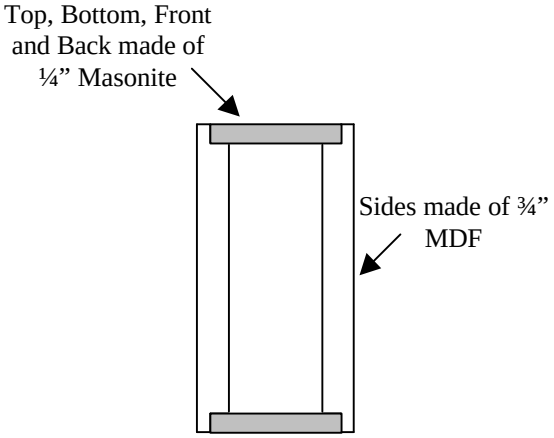


VIEW A



Exploded View of
Router Bit Window

VIEW B

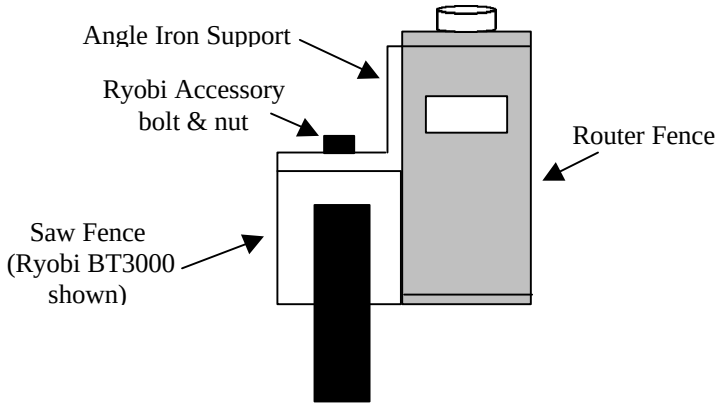


Cross Sectional view of
Router Fence showing simple
rabbet joint construction

VIEW C

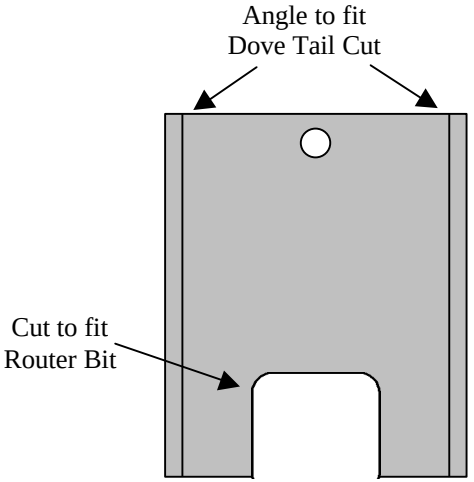
DJM 12/99 (http://www.geocities.com/Heartland/Pointe/2039)

Router Fence



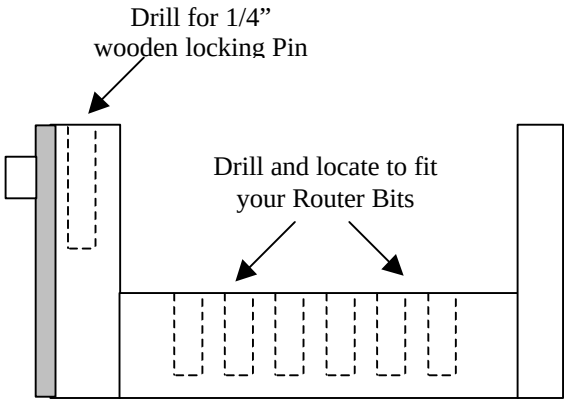
Suggest mounting method for
Router Fence

VIEW D



Interchangeable Router
window insert

VIEW F



Router Bit Storage
Drawer

VIEW E

Router Fence Instructions

1.) All dimensions shown on this drawing are for the Ryobi BT 3000 Table saw, You can easily change them to fit your saw
2.) The Fence Body is made from ¾" MDF (Medium Density Fiberboard) and ¼" Hardboard (Masonite)
   A.) Cut the 2 Side pieces from MDF (make sure the fence extends at least 4" from the end of your fence for the Shop Vac Hose hole.
   B.) Cut a ¼"deep by ½" wide rabbet on all four sides of each piece. (View C)
   C.) Line up one side (Bit Side) with your fence on your Router Table and mark where the Router Bit opening will be. Make the opening large enough for the your biggest bit (height and width). Cut the opening.
   D.) To make the opening capable of holding the Router Bit Window Inserts you need to cut a dove tail dado over the Bit opening about a ½" wider than the opening and ¼" deep (View B)
   E.) Line up the remaining side (Fence Side) with your Fence on your Router Table and mark the center for the Shop Vac Hose hole. Cut the hole with a Hole Saw, making sure that it is a snug fit for the hose.
   F.) Cut the Top and Bottom pieces from Hardboard, Dry fit the pieces, mark the bottom piece for the Router Bit window, making sure the largest bit will fit. Cut out the window.
   G.) Cut the front and back pieces to fit, from Hardboard.
   H.) Assemble the pieces together (Minus the Drawer front) using glue and brads, make sure everything is square and parallel!!!
3.) Router Bit Window Inserts (View F)
   A.) Use ¼" Hard Board cut to fit the dove tailed slot you made above
   B.) Cut the Bit opening to fit each size bit you have these zero clearance plates helps keep the dust inside for the Vacuum
4.) Router Bit Storage Drawer (View E)
   A.) Made from the ¾" MDF to fit snuggly into the fence, make sure it's not to long or it will interfere with the router bit opening.
   B.) Glue the Hardboard front and a handle onto it
   C.) Insert the Drawer into the fence and drill a 1/4" hole from the Top of the fence through the draw front support. Make a locking pin from 1/4" dowel with a 5/8' dowel for the head.
   D.) Drill holes in the drawer to hold your most common size bits making sure you space them properly.
5.) Securing Router Fence to Table Saw Fence.
   A.) For the Ryobi BT3000 I used 2 pieces of aluminum angle iron. I screwed them to the wooden fence by drilling and counter sinking two holes into one side and then lined up the assembly on the saw fence. I then drilled one hole centered over the slot in the top of the BT's fence, I use the screws from the accessory kit to hold it all down.
   B.) If you have another saw it's up to you to figure the best way to secure it!!!!

USE AT YOUR OWN RISK, THIS DRAWING IS FOR DISCUSSION PURPOSES ONLY

Router Fence