



## Four Sure-Fire Ways to get up to speed with your Router!!!

### A) How to change router bits:

This operation is the most common operation that you will be doing with your router. It's important to understand and be able to do this very efficiently. I'm going to outline a procedure list on how to set up and change one router bit to another.

Step one: Remove the router from the table.

Step two: Extend the router base to its maximum height.

Step three: Place wrench on the collet nuts and remove the existing router bit.

Step four: Place the existing router bit in back into the storage space.

Step five: Pick new router bit and place into the collet.

Step six: Using the wrenches tighten the collet.

Step seven: Set the height of the bit.

Step eight: Replace router into the table.

It's very important to understand how to change router bits easily. The more practice you have doing this operation, the more success you're going to have with your router. If changing bits is very easy to do you're going to have more fun.

### B) How to set up the 1/4" Round Over bit:

The set up of the 1/4" round over bit is an easy operation. The molding surface of round over bit has four separate parts: 1) the bearing, 2) the profile edge, 3) the profile line, and 4) the shank. A quick way to set up the round over bit is to find the profile line and set the height of this line to 1/8 of an inch. This can be done easily with your brass setup bars.

### C) How to set up the 1/4" Cove bit:

The cove bit has three parts: 1) the bearing, 2) the profile edge, and 3) the shank. To set up the cove bit you want to set the height of the bit to match the radius of the profile edge. So, if we have a 1/4" cove bit, the height of the bit needs to be quarter-inch from the top down of the profile edge. An easy way to set this up is to use your quarter-inch setup bar. [Click here to see router tip](#)



#### **D) Isolate the Bearing:**

[Isolating the bearing](#) is a common operation that is used whenever you have straight pieces to be molded. The objective is to have the bearing match the in-feed and out-feed of the fence. The step by step process is as follows:

Step one: Line the fence with the bearing and clamp the out-feed side.

Step two: Place the bearing behind the in-feed and out-feed of the fence.

Step three: Place a piece of straight material across the in-feed and out-feed.

Step four: Push the fence until the bearing surface contacts to please material.

Step five: Clamp in-feed side of the fence.

This is a simple to set up technique that can be used on various different router bits and it's important to understand how to do this efficiently. Once you have a grasp of this technique your setup processes will become faster, easier and more accurate.

#### **E) Assignment:**

Using 3/4" MDF cut 10 pieces 5" x 7".

[Watch the Router Tip on direction of feed:](#)

On these pieces we are going to mold the edges with a round over bit and the cove bit. The round over bit is on the face side and the cove bit is on the backside.

For this exercise, what we're going to learn how to setup the round over bit and the cove bit. Using the techniques that have just been discussed I want you to cut one piece at a time with both the round over and the cove bit changing the bits and set up for each piece and then routing.