Cutting the rounded corners for the waveform.

I really like the look of the recessed waveform, but I didn't really know how to cut the rounded corners to fit it in.

This is the approach I took.

First, I traced the outline of the waveform onto the baffle. The distance from the edge of my router to the bit is 2 5/16", so I created another large rectangle around the waveform trace. I needed to clamp pieces of scrap around the baffle to get the guide lines to fit, since 2 5/16" went off the piece on 3 of the edges.

Once I did that, I clamped down straight edges on the outer rectangle to create myself a temporary jig.

Then I ran my router all around the jig, and cut out a rectangle. This was easy, as the jig prevented me from cutting something I wasn't supposed to cut.

I thought long and hard about how to cut these corners. That was really the tough part of this cutout. Ultimately I ended up using a dremel. The rounded sanding bit made it pretty simple to cut the rounded corners. I would have preferred a method that didn't require a steady hand, but I was stumped.

Overall, it was a nice fit. I'm sure a real woodworker would have been able to do it better, but I'm happy with it.

Tim

File Attachments
1) GuideLines.jpg, downloaded 4560 times
2) Jig.jpg, downloaded 4542 times
3) CutWithJig.jpg, downloaded 4472 times
4) RoundedEdge.jpg, downloaded 4505 times
5) NiceFit.jpg, downloaded 4518 times