
Subject: Re: Tim's 4Pi Speaker Build
Posted by [timkur](#) on Mon, 26 Jan 2015 01:16:05 GMT
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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 4539 times
 - 2) [Jig.jpg](#), downloaded 4521 times
 - 3) [CutWithJig.jpg](#), downloaded 4449 times
 - 4) [RoundedEdge.jpg](#), downloaded 4484 times
 - 5) [NiceFit.jpg](#), downloaded 4496 times
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