

Flush Mounting an Irregular Face Plates

http://www.audiodycentral.com/nt_ireg-drvrcutouts.shtml - this link is dead.

Try this instead:

https://www.reddit.com/r/diyaudio/comments/4ysmms/tutorial_how_to_flushmount_irregular_shaped/

Cutting circular rebates to mount drivers with circular faceplates is not too difficult (especially with the Jasper Jig). But what do you do when your favorite driver has an odd-shaped faceplate?

In this tutorial, James Yeung outlines the steps required to cut perfect rebates for these odd-shaped faceplates. And it's as simple as one, two, three!

3 simple steps:

Tools required: Router, 1/4" spiral bit, and 3/4" template collar bushing:

1. Pass router around driver plate using 1/4" bit to make template #1
2. Pass router inside first template using 1/4" bit to create template #2
3. Attach 3/4" bushing and pass router inside template #2 and voila, perfect recessed baffle!

Picture: Template #1 (top), Template #2 (middle), recessed baffle (bottom)



Step 1: Template #1

Making template #1 is the most critical part. Everything else will be a breeze!

Screw down driver plate onto scrap MDF large enough for the router base to go around the perimeter of the driver plate. This will be template #1.

Place an extra scrap piece of wood under template #1 to prevent unwanted table top damage.

Firmly clamp down everything onto the work bench. With $\frac{1}{4}$ " spiral bit, firmly hold router base against the driver plate. Make a few passes until it completely cuts through the MDF.

Always keep the router base firmly pressed against the driver plate until it completely cuts through template #1. If your router has an asymmetrical plate, always maintain the same orientation.

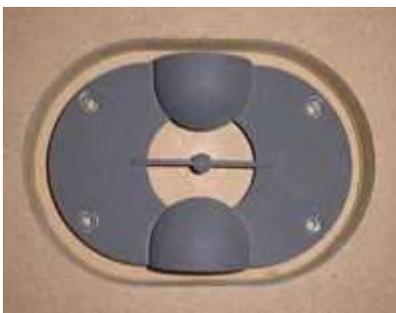
Step 2: With $\frac{1}{4}$ " spiral bit, use template #1 to make **template #2**.

Pass router several times around the inside of template #1 until it completely cuts through template #2.



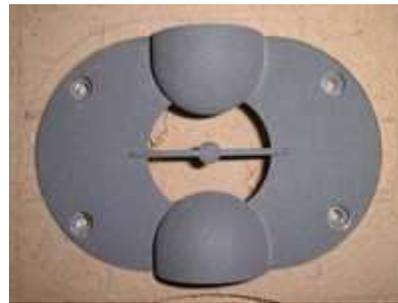
Step 3: As you can see, template #2 is exactly $\frac{1}{4}$ " larger around than the perimeter of the driver plate.

Attach the $\frac{3}{4}$ " bushing and use template #2 to create the actual recessed cutout on the baffle.





Locate template #2 on actual speaker baffle to route out the recess for the driver plate. Be aware that template #2 is $\frac{1}{4}$ " wider around the perimeter of the driver plate. The depth will vary with the flange depth of the speaker driver.



As you can see, I penciled in the perimeter of template #2 on the actual speaker baffle to make sure everything is aligned properly.

That's it!

There you have it. This method can be applied to basically any flush mounting application imaginable including circular speaker drivers for those who do not wish to fork out for a Jasper Jig.

Visit my web site at www.exquisiteaudio.ca. If you have any questions or comments feel free to email me at j.yeung8364@rogers.com