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Take your time, follow the instructions, relax, and enjoy yourself!

WARNINGS: Perform installation with your pinball machine turned off and unplugged from AC power.



PinWoof 5.25in Spacer Instructions

Installation Video:

<https://youtu.be/LZZj4DkKDGc>

Spacers and Hardware

- Shown to the right are the Injection Molded, ABS Spacers and hardware included:
 - Quantity 16 #6-32 Nylon Locking Nuts
 - Quantity 16 #6 Flat Washers



Prepare Speaker Mounting Plate

- Remove any existing speaker and its associated hardware and other items so that the bare #6-32 x 1in studs (4) are exposed as shown to the right.
- Shown is the right-hand speaker mounting studs on the backbox speaker panel.



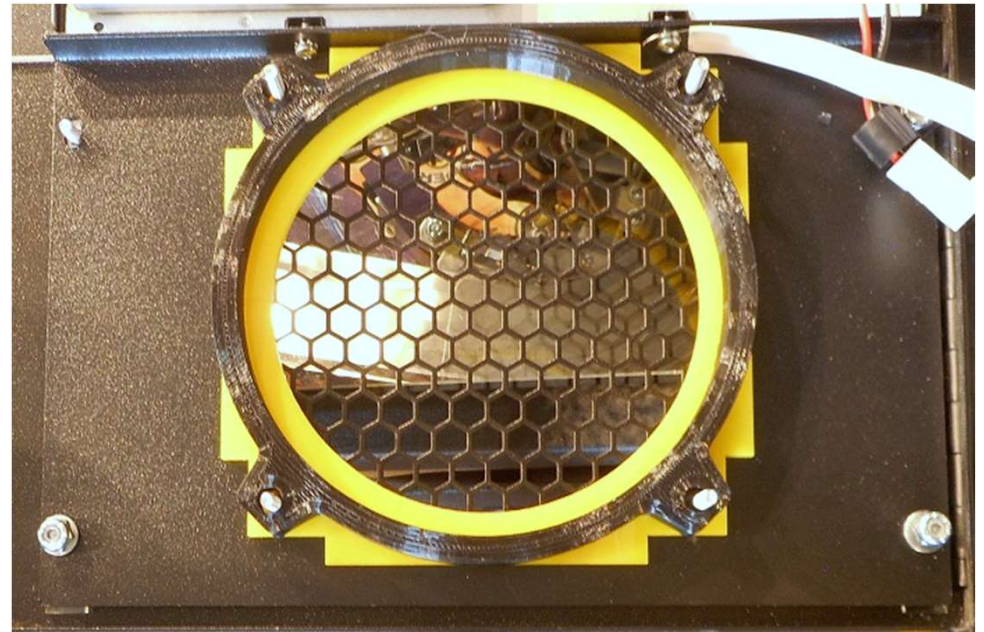
Add Acrylic Spacers

- Place the acrylic spacers on the studs as shown. (Yellow in this case.)
- If you have acrylic spacers, please continue to the next page.
- If you do not have acrylic spacers, below are some notes:
 - Most, but not all, LE trims come with acrylic spacers from the factory
 - Aftermarket acrylic spacers are typically purchased along with a set of aftermarket 5.25in speaker mounting plates.
 - These spacers provide about 0.125in of setback to help accommodate the tweeter assembly on your new speakers; this ensures that there will be adequate clearance between the honeycomb speaker grille and the tweeter assembly.
 - If you do not have acrylic spacers, your new speakers will likely have adequate setback when mounted, but there may be very little clearance to the honeycomb grille in front of the tweeter.
 - If your new speakers' tweeter assembly requires more clearance, you will need to acquire acrylic spacers.



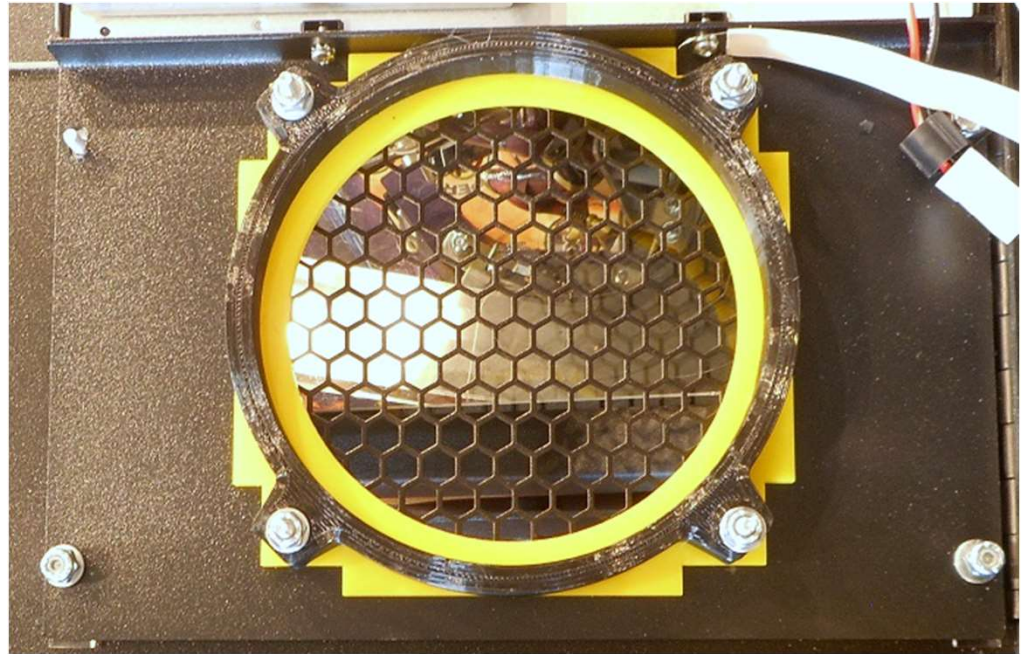
Place the Ring on the Studs

- Place one of the provided mounting rings on the four studs as shown.



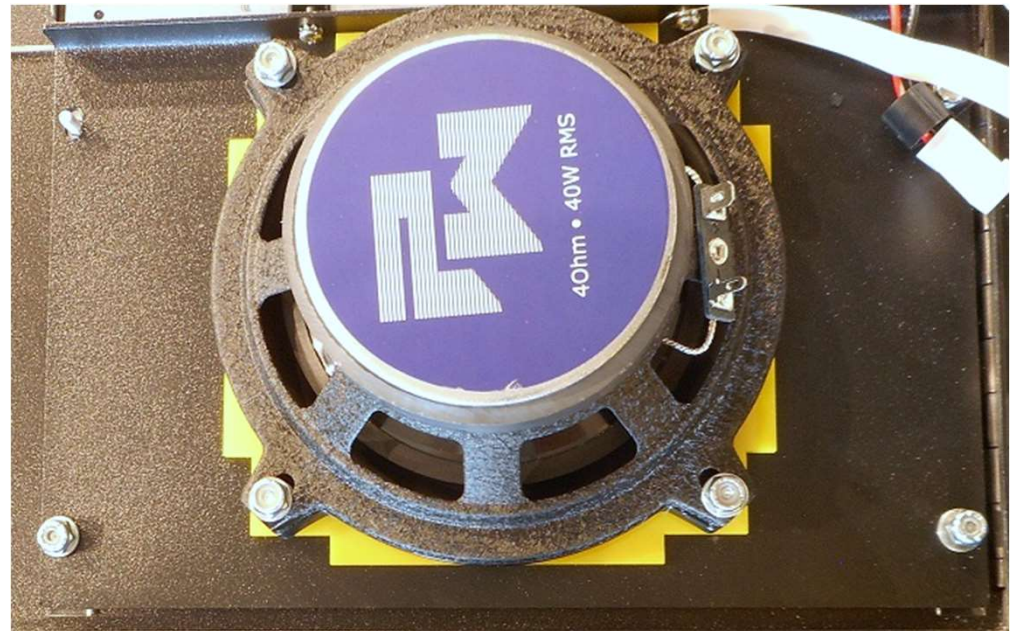
Add Hardware

- Place one each #6 Flat Washer and #6-32 Locking Nut to each stud to secure the ring.
- Hand tighten securely, in a circle, to pattern out the pressure on the ring.
- Don't over-tighten; it is possible to break the stud or its weld to the speaker panel.



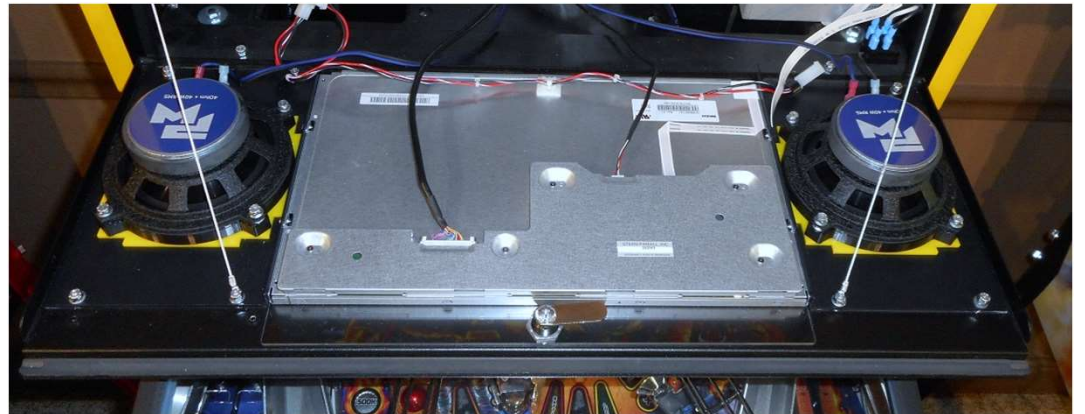
Mount the Speaker

- Place the Speaker over the four studs, oriented as shown.
- Each interposer screw requires one #6 Flat Washer and one #6-32 Nylon Locking Nut.
- Hand tighten securely, but do not over-tighten. Too much torque will cause the screws to spin.
- Pay attention to the tweeter orientation on the front of the panel and orient the speaker as shown. The next page shows a view of how the speakers should be oriented.



Completed Mounting

- Mount the other speaker in the same way as before.
- The image to the right shows the correct speaker orientation.



FINWODFER

Your backbox speakers are now installed!