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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.**



## **PinWoofer 4in to 5.25in Interposer Instructions**

**Installation Video:**

**<https://youtu.be/dPsXrWMtu2I>**

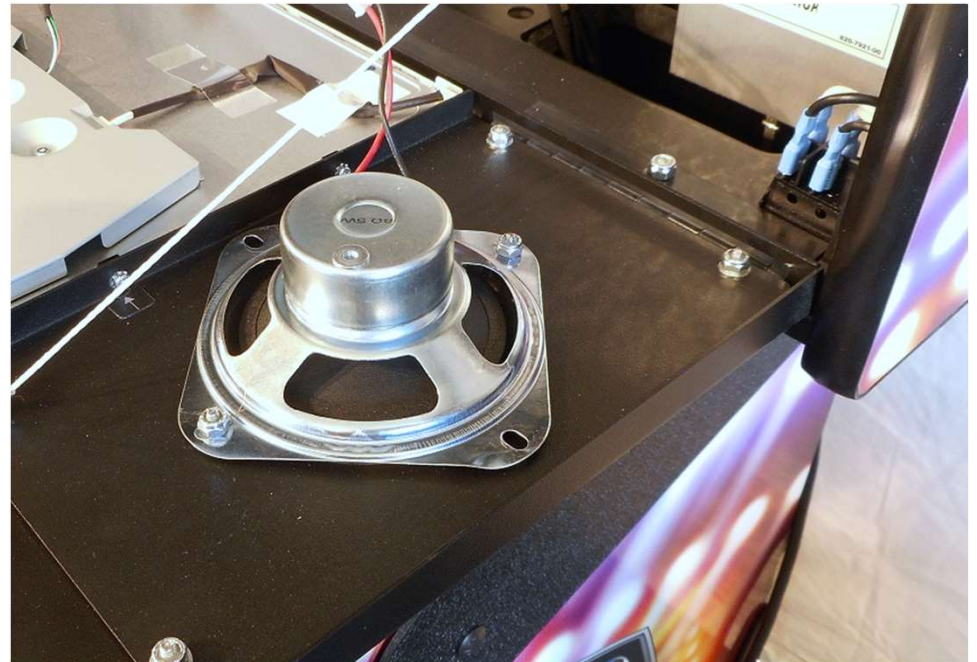
## Interposers and Hardware

- Shown to the right are the ABS Injection Molded interposers and hardware included:
  - Quantity 2 4in to 5.25in interposers
  - Quantity 4 #6-32x3/8in Binding Screws
  - Quantity 8 #8-32 Nylon Locking Nuts
  - Quantity 8 #8 Flat Washers



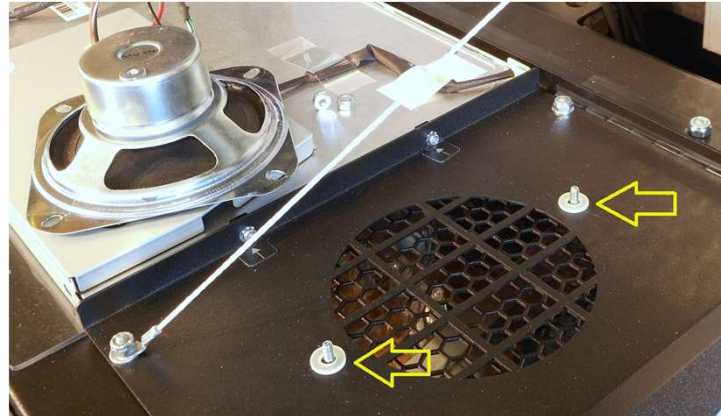
## Remove Factory Backbox Speaker

- Shown is one of two factory backbox speakers.
- Remove by loosening the two 5/16in nuts and washers.
- Set speaker and hardware aside.



## Remove Nylon Washers

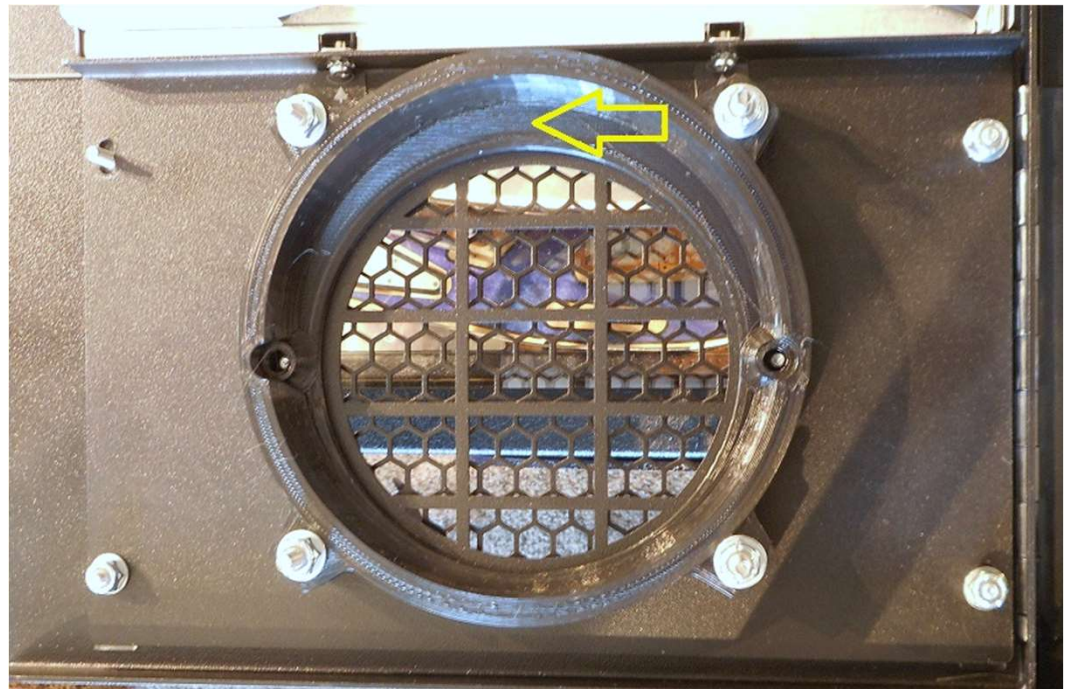
- In the upper-right photo, locate the factory supplied nylon washers. If they are not present, move to the next page.
- The nylon washers must be removed as shown in the lower-right photo.



**PiNWOODER**

## Place Interposer

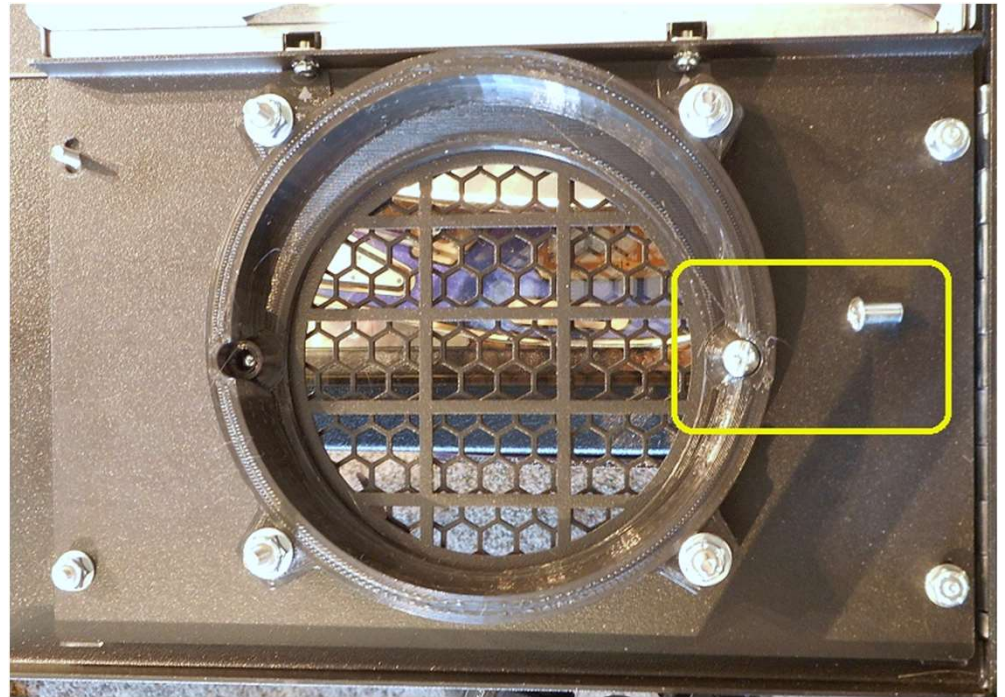
- The interposer is not symmetrical, and the wider side must be placed towards the inside of the speaker panel, adjacent to the flat panel monitor as indicated by the yellow arrow.
- Place the interposer over the two studs on the speaker panel.



**PiNWOODER**

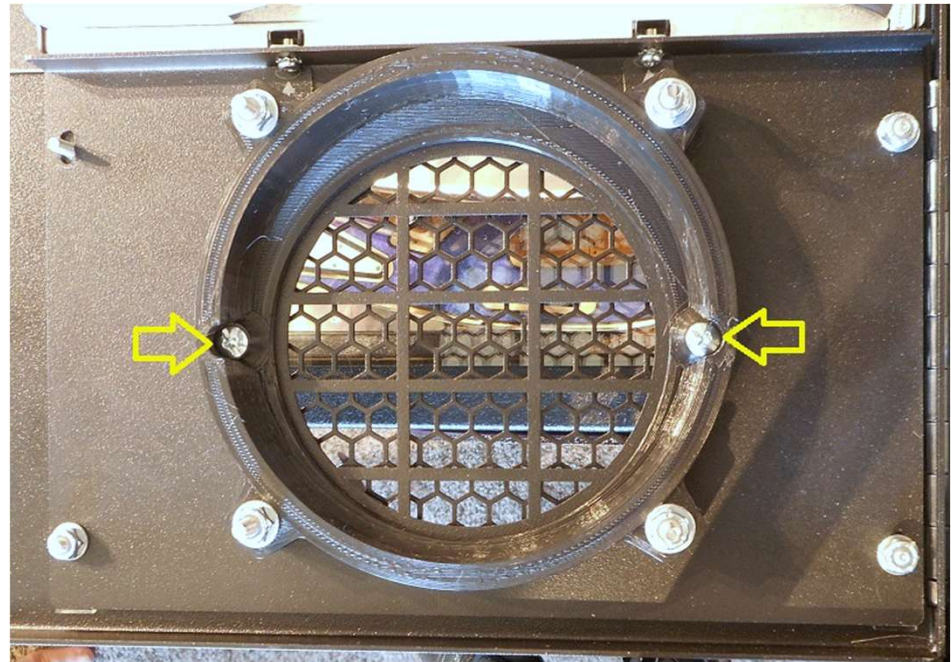
## Place the First Binding Screw

- You will use two #6-32x3/8in Binding Screws for each interposer.
- Start the first Binding Screw as shown; get the screw started with a few turns but do not fully tighten.



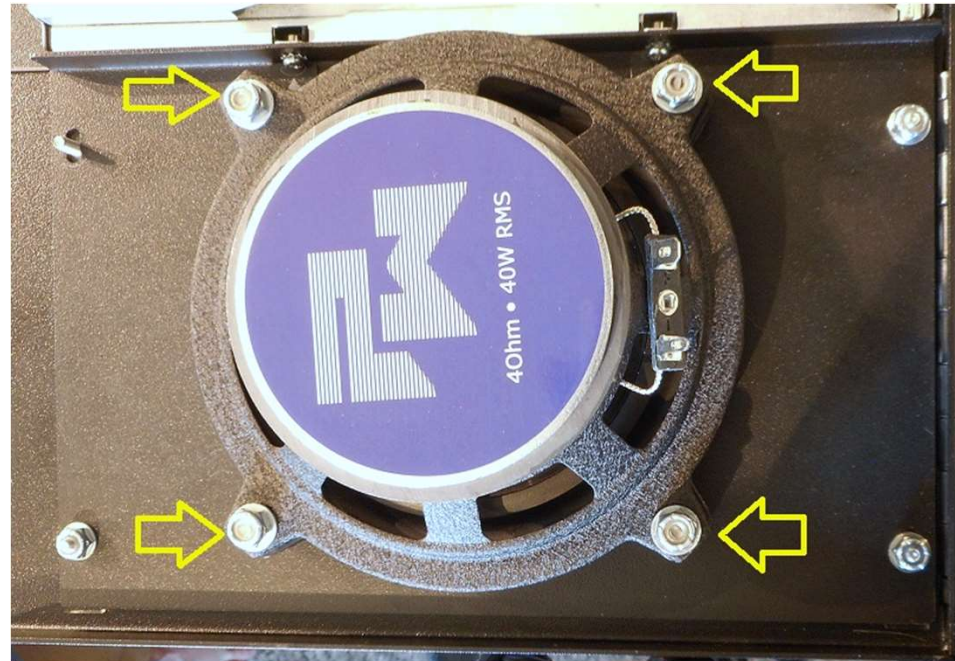
## Tighten the Binding Screws

- Start the second Binding Screw as before.
- Fully tighten both Binding Screws.
- You will want the Bindings Screws to be secure so tighten well.
- **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 Interposer screws.
- Each interposer screw requires one #8 Flat Washer and one #8-32 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!**