

| Filter Upgrade Guide

Prerequisites:

- server off and unplugged

Tools Required:

- Phillips Head Screwdriver

Removing the Top

- Unscrew the two thumb screws located at the top corner of the front plate that are responsible for holding the top plate of the chassis
- Once Unscrewed push the top plate back via the semi circles located to the left of each thumb screw. this will dislodge the 3 keyhole cut outs in the back of the top plate
- lift up and place the top plate to the side

Removing Rack Ears

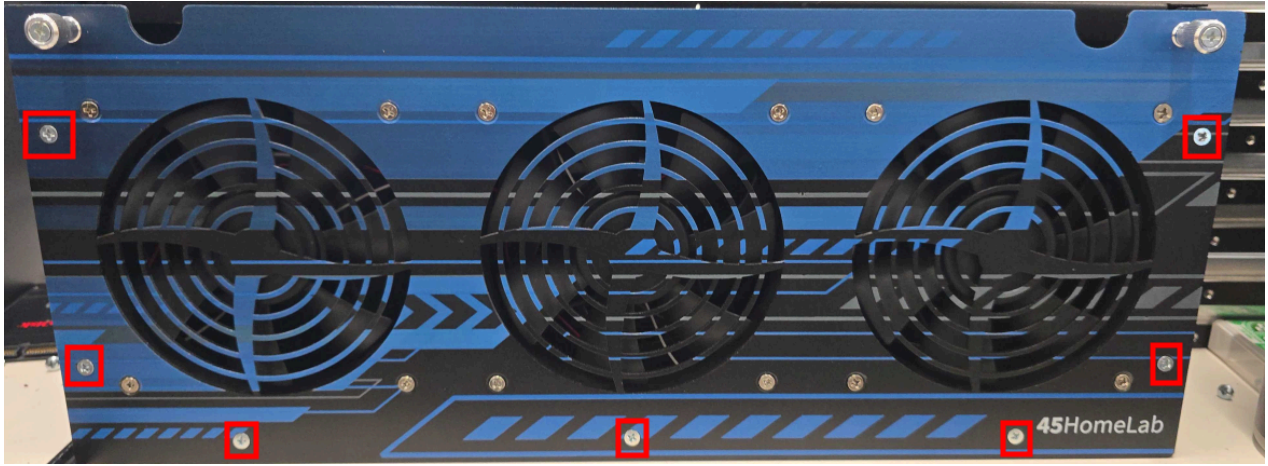
- If your HL15 came with rack ears, unscrew both of these by unscrewing the black screws on the top and bottom, repeat for the other side



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Removing the Front Plate

- Unscrew the 7 highlighted screws



Disconnecting the fans

Step 1:

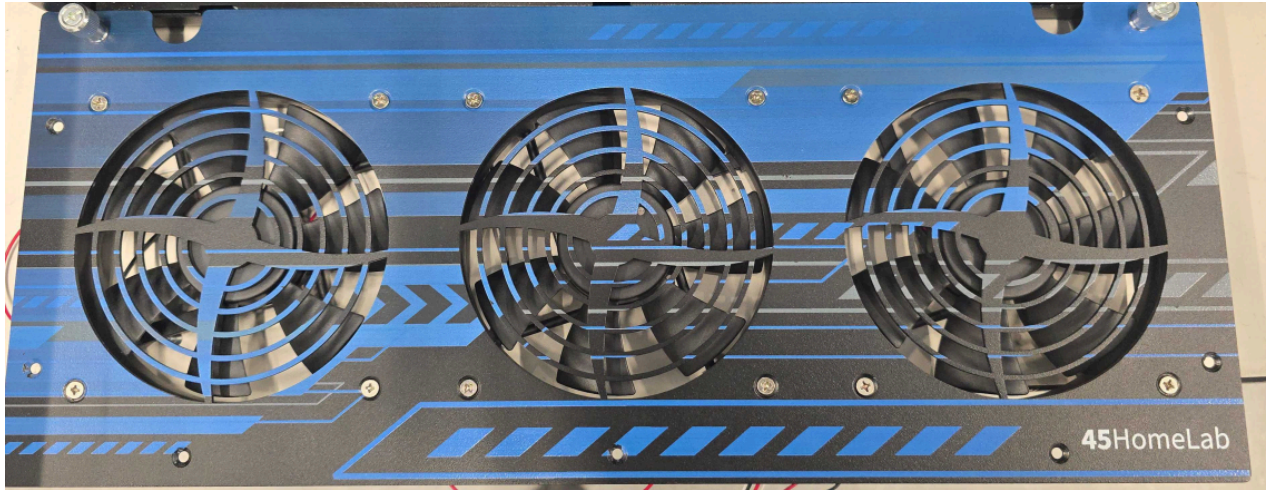
- Disconnect the wiring to the fans by separating the shown connectors, there are three total, one for each fan



Step 2:

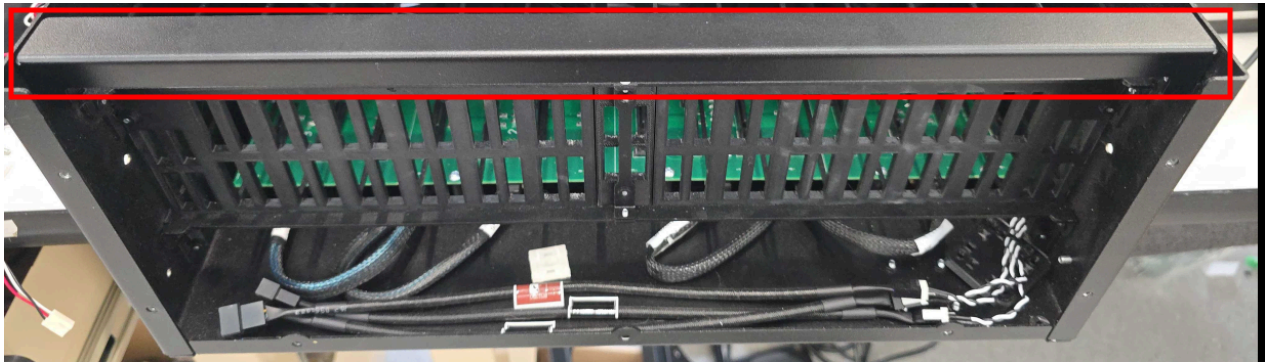
- Unscrew the twelve remaining screws that attach the three fans to the front plate(Put these off to the side we will use 10 of them in the step **Installing the New fan Bracket**

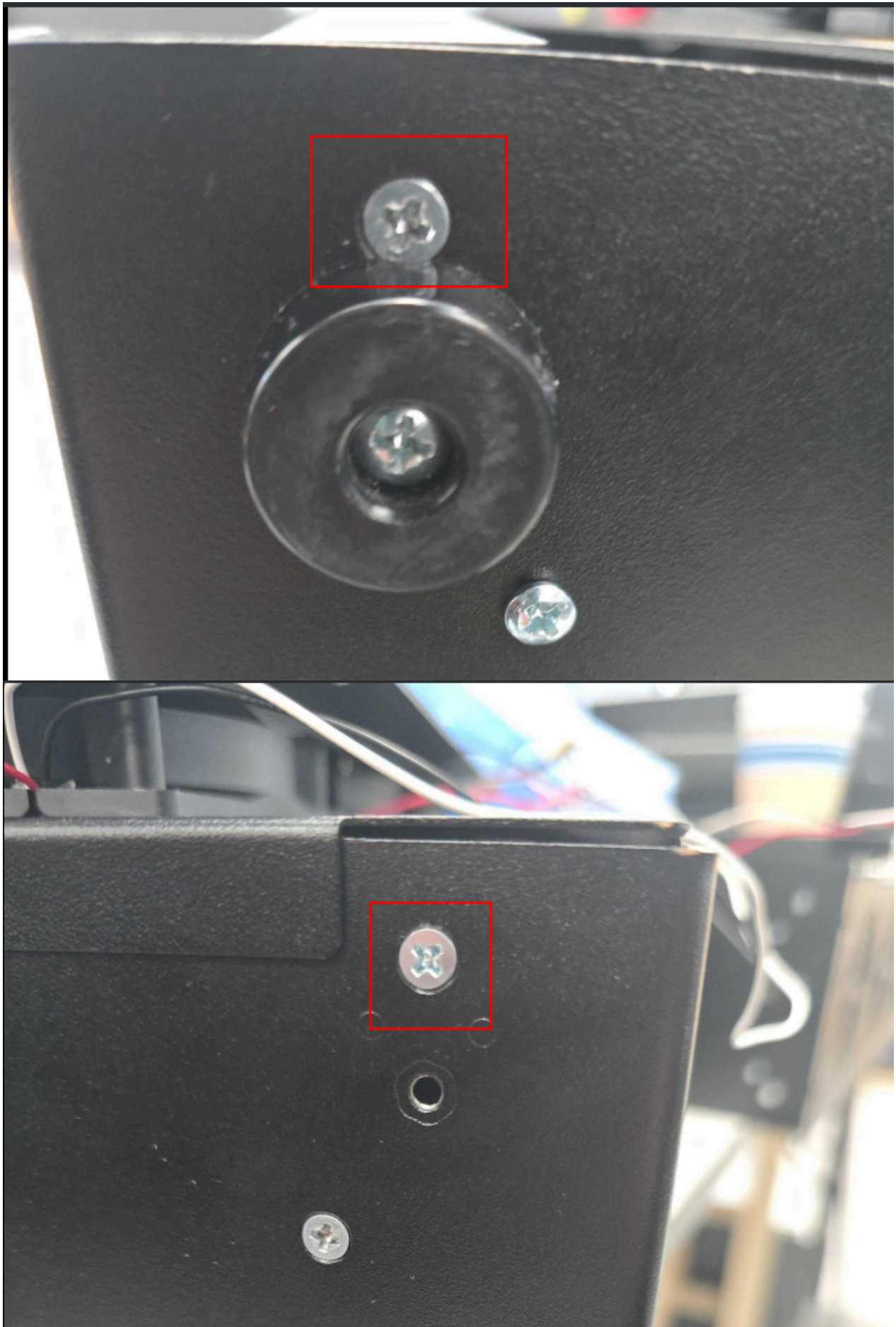
and filter)



Removing the spacer Bar

- There will be two screws on either side of the spacer bar. The screws will still be needed so put these off to the side but the bar can be disposed of.





Installing the New fan Bracket and filter

Step 1:

- Lay the fans down, and place the bracket on top with the fan labels facing down

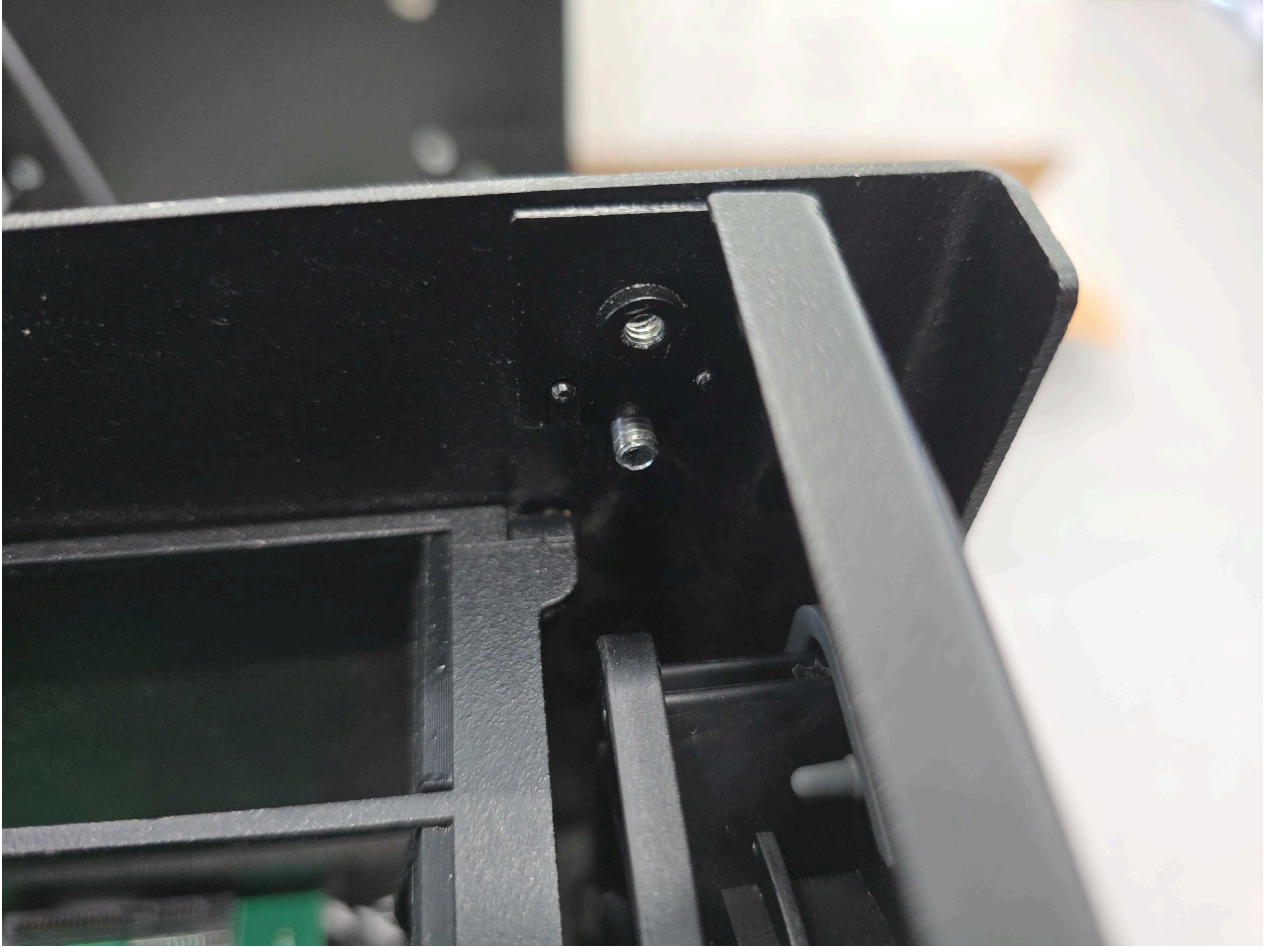
- We can now attach the fans to the new bracket using 10 of the 12 screws we put aside in the step **Disconnecting the fans**
- Leave the stand-off screw holes on the bottom left and right alone as nothing will go in those



Step 2:

- Once all 3 fans are attached we can make our connections back to the fan cables and slide it into the chassis. You'll notice when we removed the spacer bar there were two standoffs on either side of the screw holes, align the bracket with those as show here on

both ends



- Once you have that done use the screws we put aside after removing the spacer bar to screw the bracket to the chassis. Once complete it should resemble this

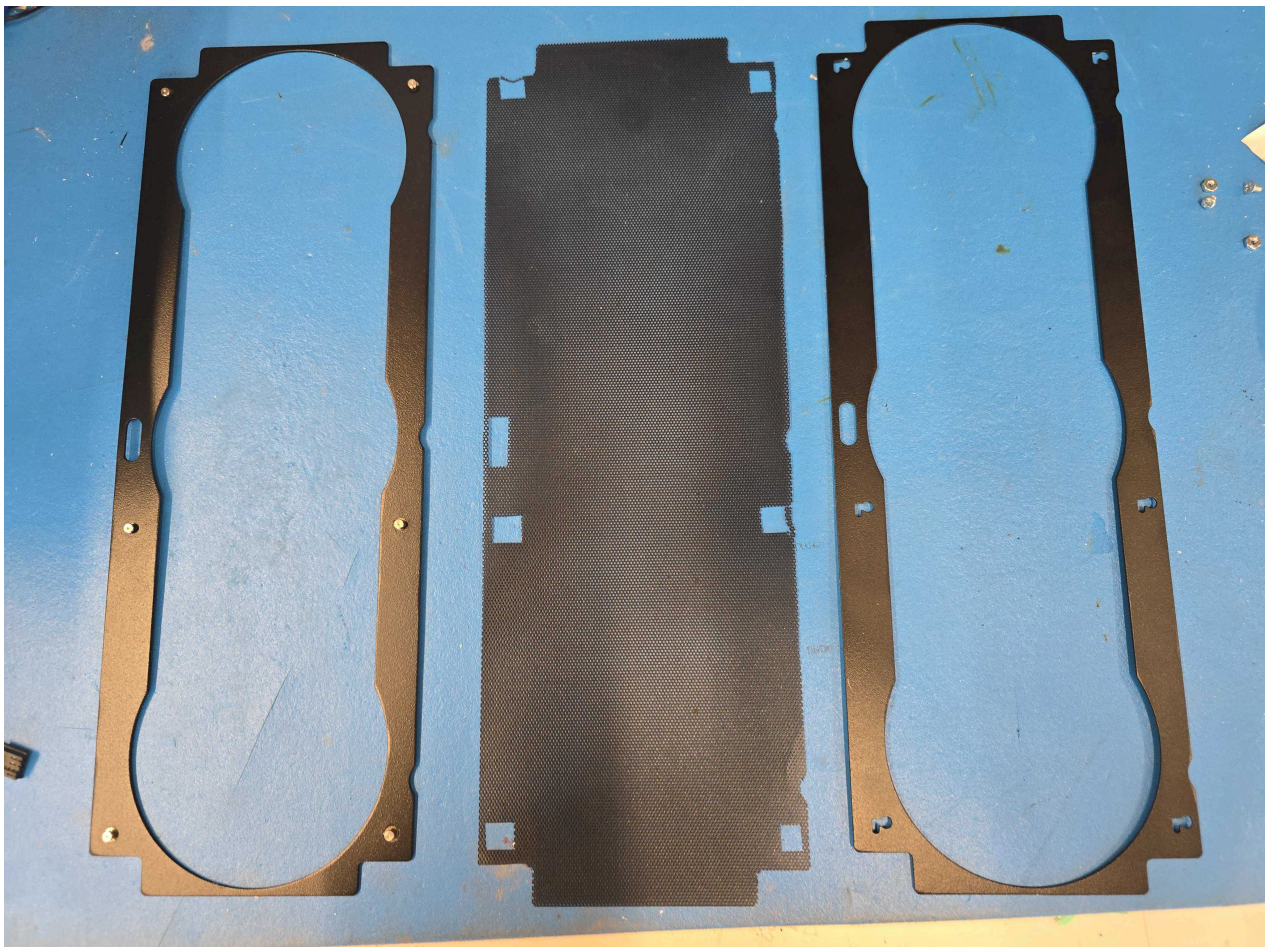


Step 3:

- Screw the 7 screws back into the front plate to secure it to the chassis

**Installing the Filter****Step 1:**

- There will be three pieces. From left to right will be the bottom, middle and top pieces

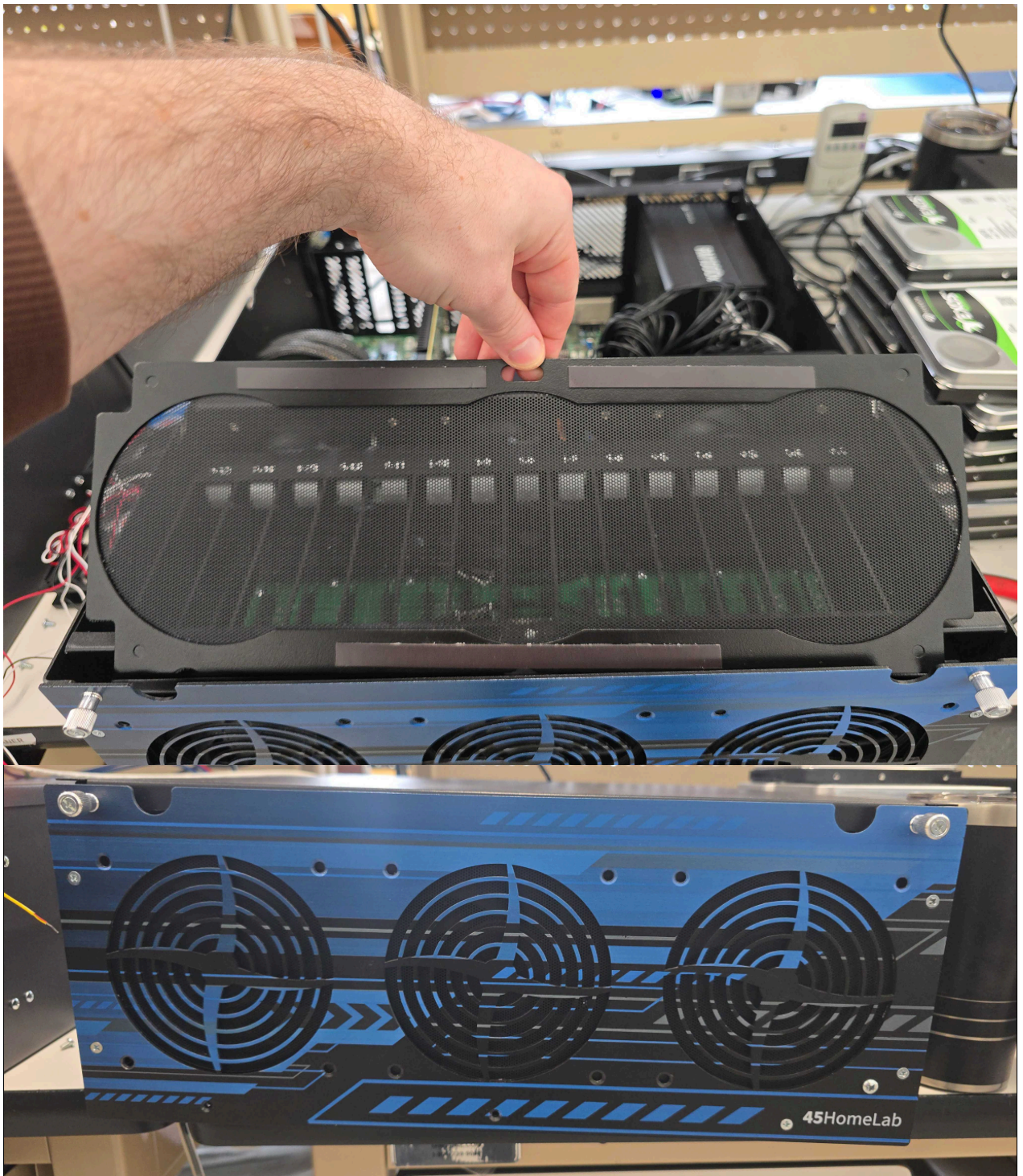


- Take the middle piece(filter) and lay it on top of the left most piece lining up the holes, then layer the right piece on top and lock it into place by sliding it to the right then up. It

will look like this when finished



- Lastly, we will go back over to the system and with the magnets facing towards the front plate and the middle cutout at the top as pictured. We can then put the top plate back on and tighten the thumbs screws



Final Steps*

- Screw the racks ears back on
- Put the top plate back on by first lining up the three key hole cut-outs on the back of the top plate, lay the top plate down, pull the top plate towards you and start screwing in the thumb screws