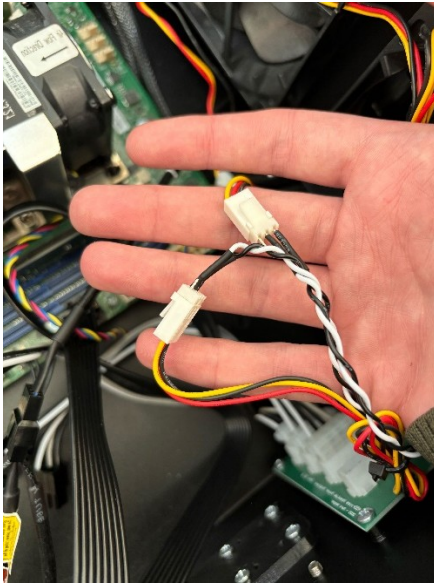


Disassembly.

1. Locate the cable coming from the fans connected to the center bracket and disconnect them.

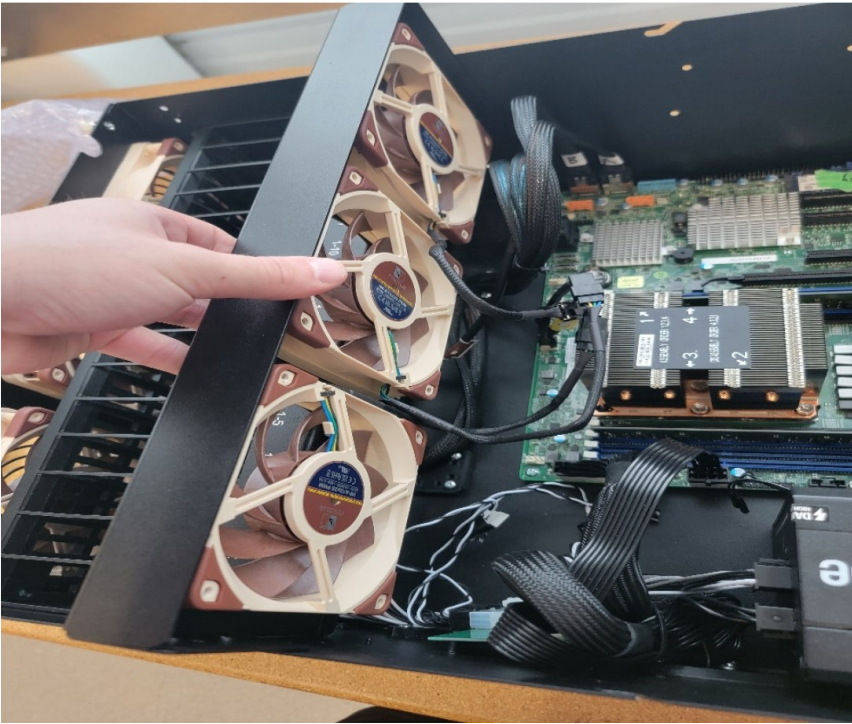
Cut zip ties if needed



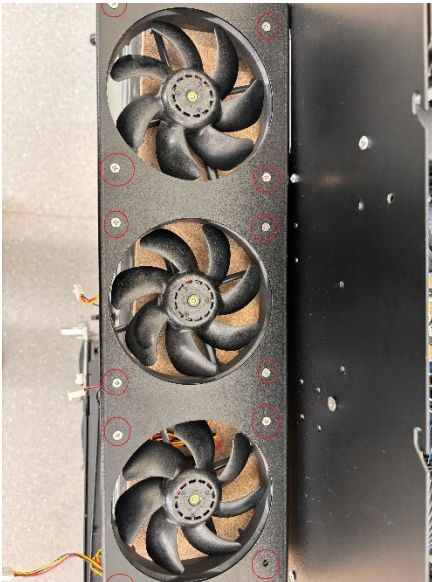
2. Unscrew the center fan bracket from either side of the Homelab chassis.



- Slide the center bracket upwards and remove it from the chassis.

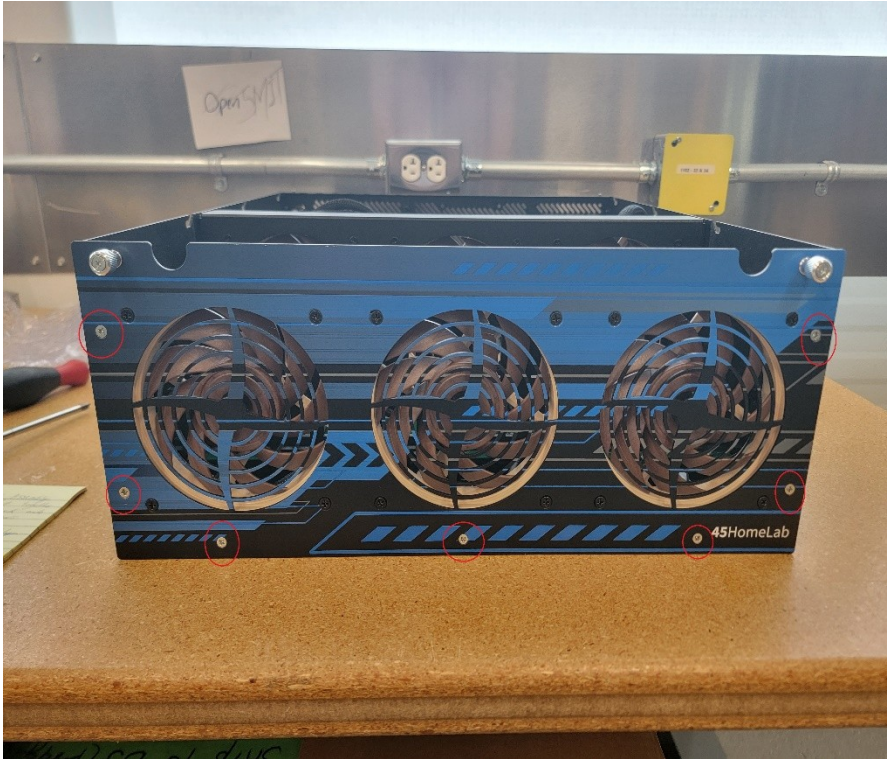


- Remove the 12 screws securing the fans to the bracket.

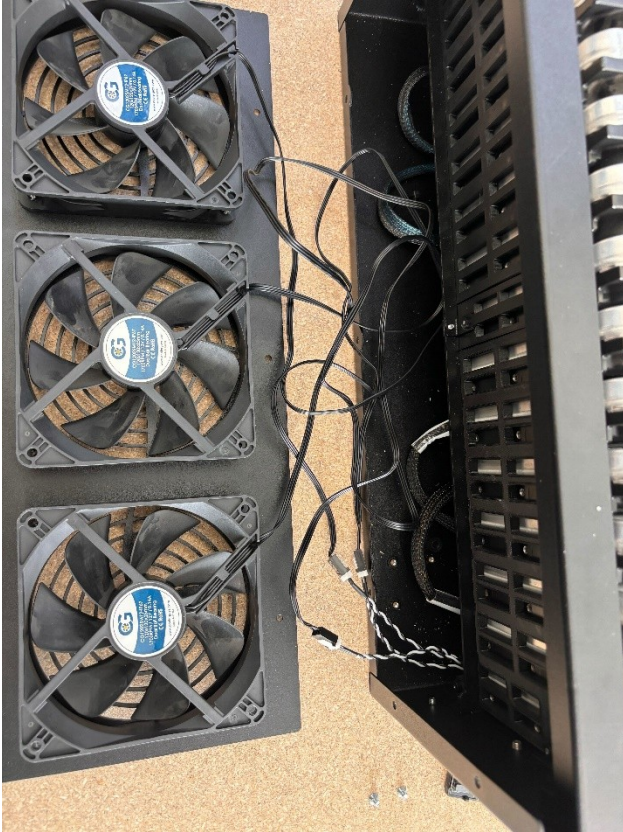


- Remove the fans from the bracket.

6. Remove the 7 screws from the front plate.



7. Lay the front plate down flat.



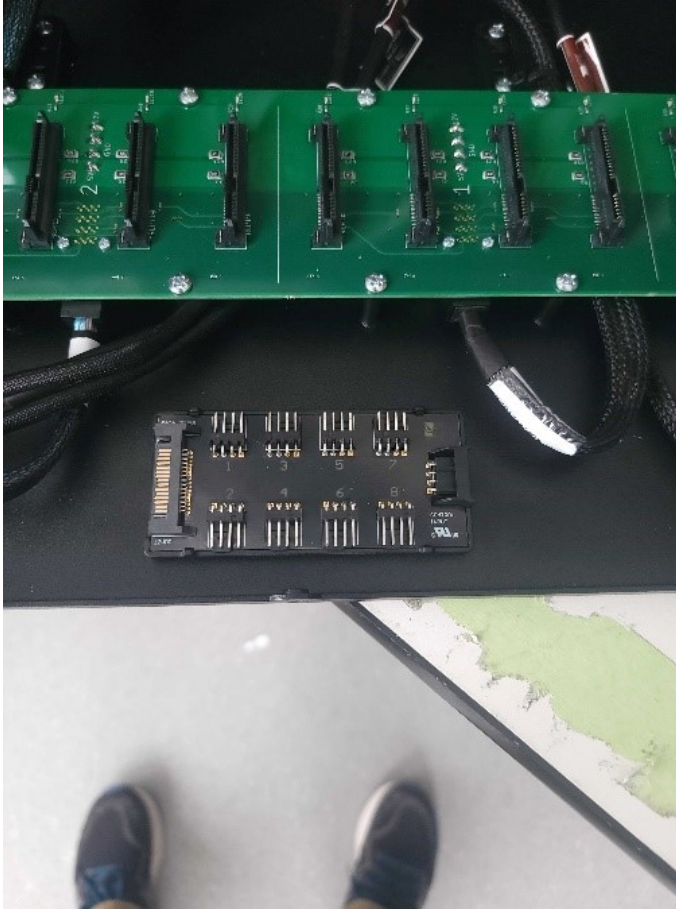
8. Locate and disconnect the cables from the front plate fans.



9. Turn the front plat over and remove the 12 screws to remove the fans.

Front fan Assembly.

1. Take magnetic fan hub and place on bottom of chassis where there would be a gap between front fans and drive cage.

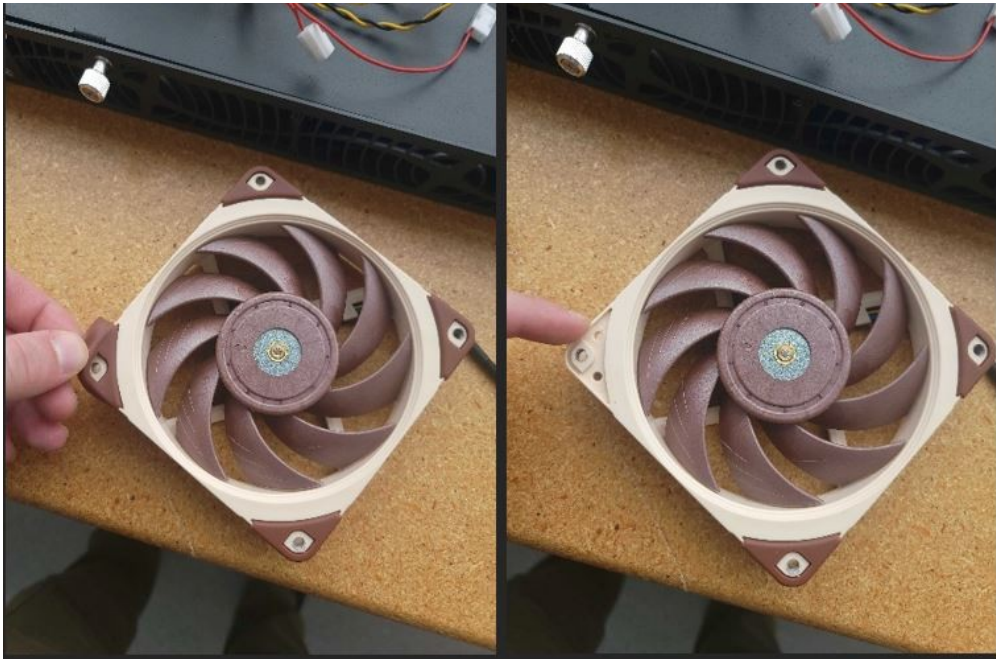


2. Insert 12 fan screws through the front of the front plate.

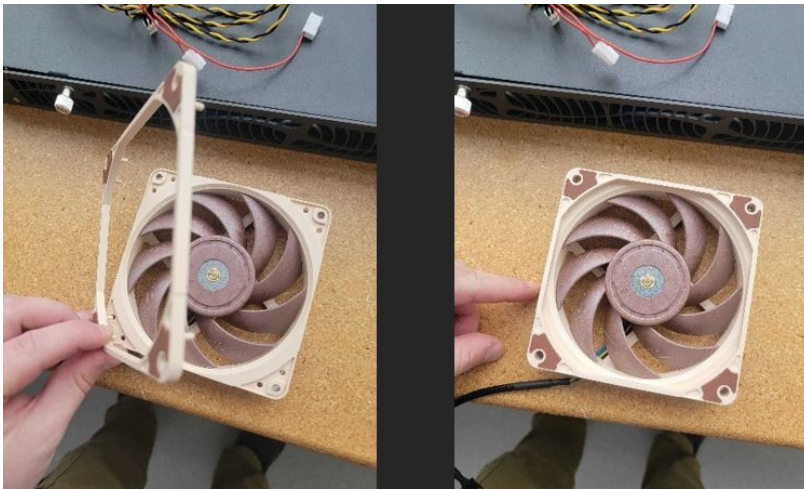


3. Get 3x Noctua 120mm Fans

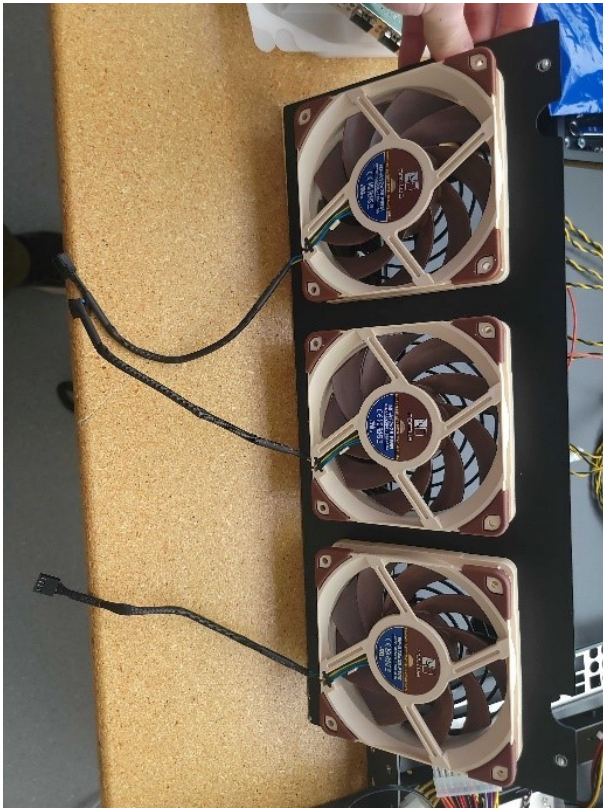
4. Remove 4 rubber corner pieces. There will be two prongs in each corner. This is where the vibration plate will be inserted into the fans. (Make sure vibration plate is on opposite side of the fan logo).



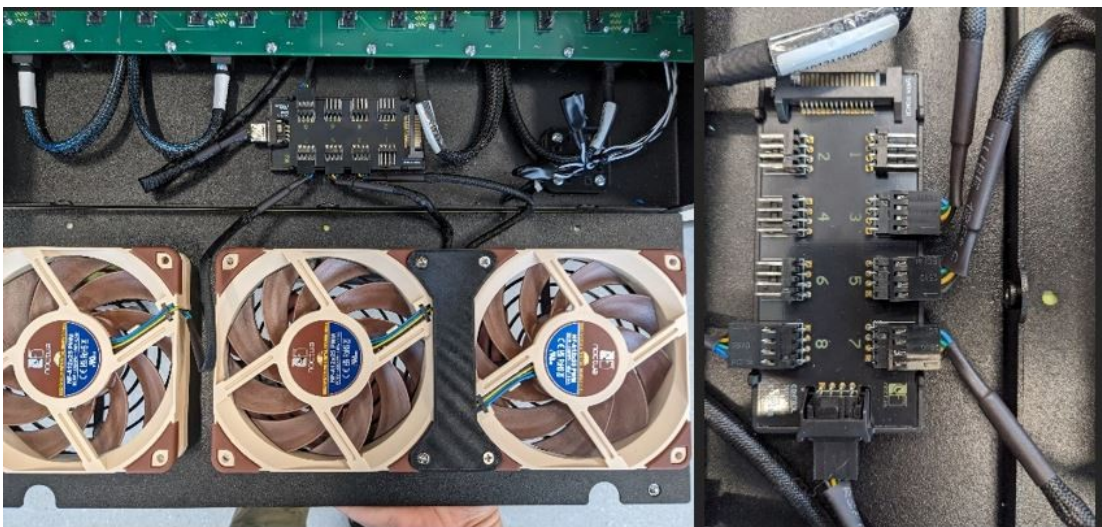
5. [Images 3 and 4 demonstrate installation of vibration plate.]



6. Mount 3 fans to the front plate with the vibration plates attached to the fans using screws from step two, with the wires coming from the bottom of all (3) fans. (Be sure rubber grommets stay between fans and front plate and do not over tighten)



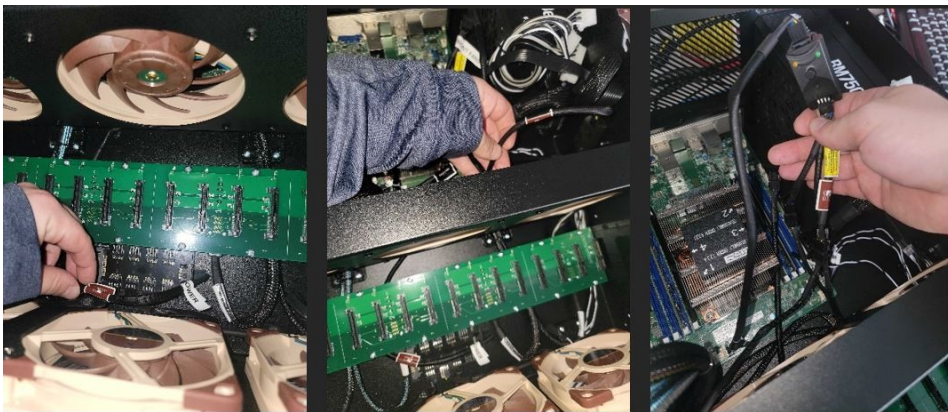
7. Connect the cables of each of the 3 front fans to any of the 8 slots on the fan hub. This will later provide the fans with power.



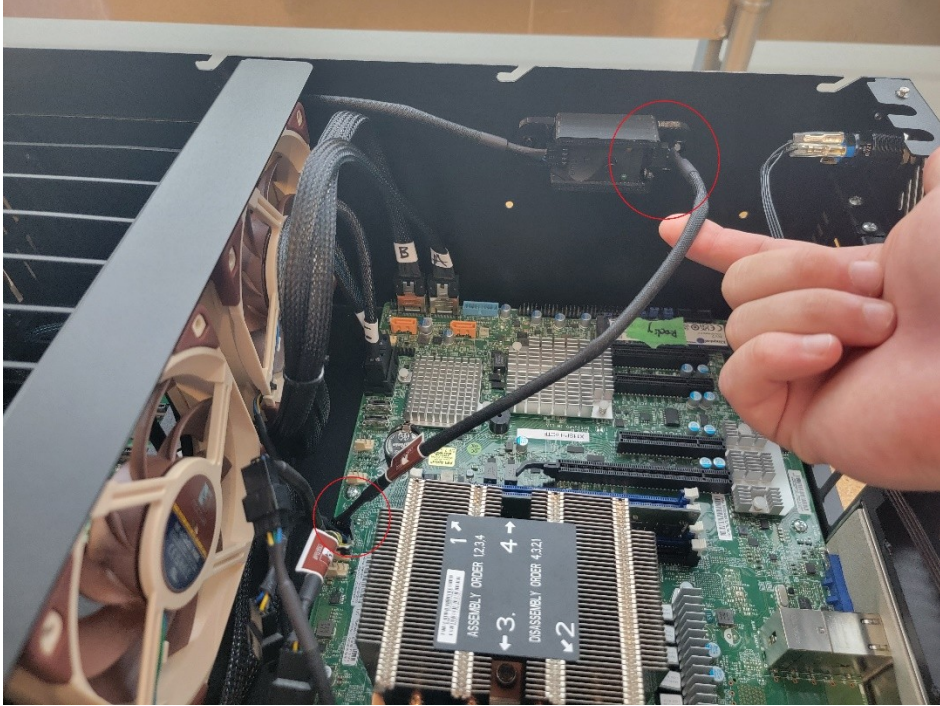
8. Apply double-sided tape to the back of the fan controller and place on the left side of the chassis next to the motherboard. [This can be removed while connecting cables.]



9. Take an extension cable and plug that into the power port on the fan hub. Feed the other end under the components leading to the motherboard and plug into another extension cable that you will connect to the fan controller.



10. take another extension cable and plug one end into the fan controller and one end into fan header fan 1, fan 2, fan 3, or fan 4. [DO NOT PLUG INTO FAN A, FAN B, or FAN C.]



11. Ensure front plate is secured by placing the screws back into the front plate that connects into the front of the chassis.

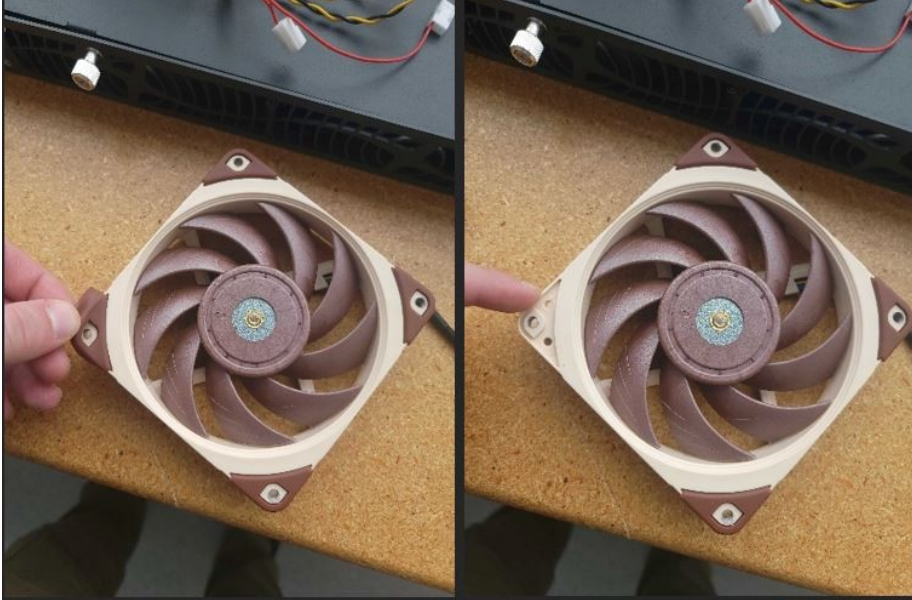


Rear fan assembly

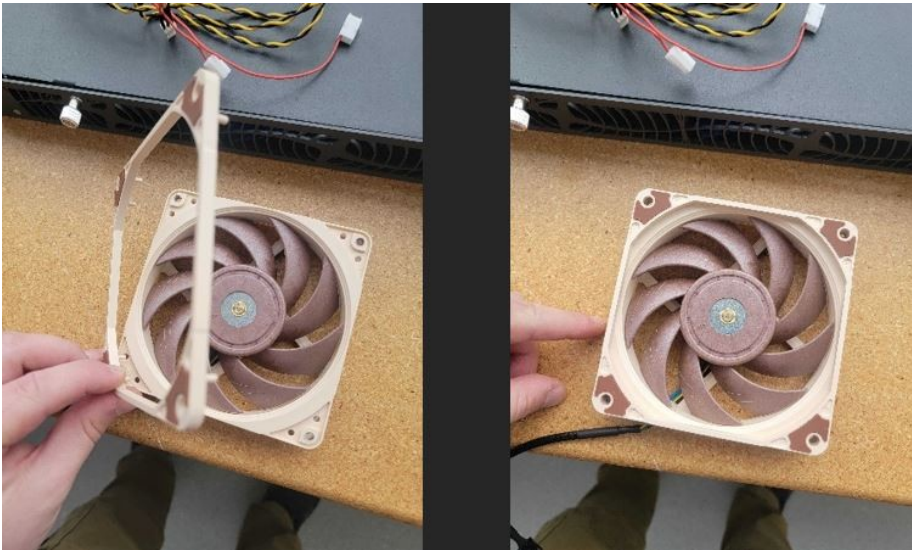
1. Get 3x Noctua CaseFan_013 Fans

2. Remove 4 rubber corner pieces. There will be two prongs in each corner. This is where the vibration plate will be inserted into the fans. (Make sure vibration plate is on opposite side of the fan logo)

- a. [First two images demonstrate removal of corner pieces.]



- b. [Images 3 and 4 demonstrate installation of vibration plate.]



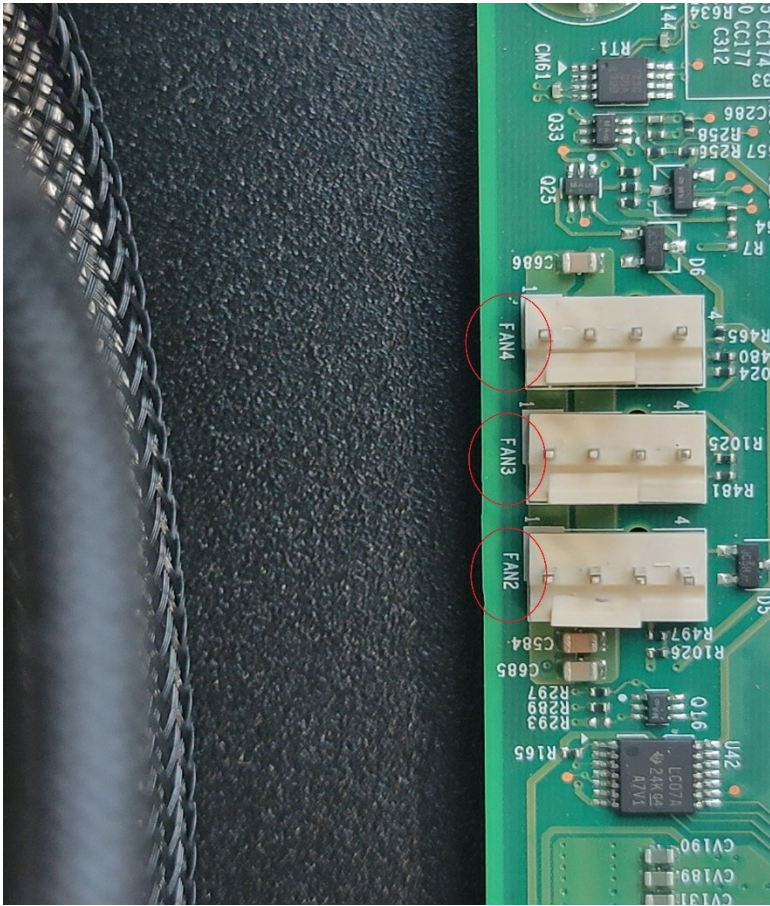
- Starting with the HL-15 rear fan bracket, place "Fan Screws" into all 12 mounting holes and secure all with AP-1003W-B (rubber grommet) on the red side



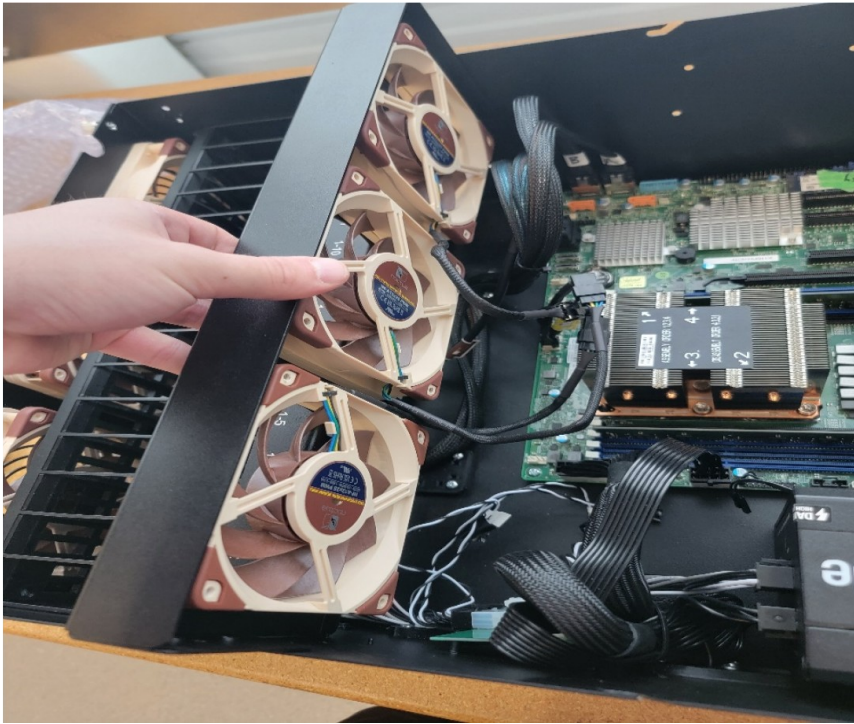
- Connect the 3 rear fan cables to the 3-way splitter cable provided.



5. Ensure fan hub is plugged into fan controller, and the fan controller is plugged into a fan header fan 1, fan 2, fan 3, or fan 4 on the motherboard as shown in the front panel assembly [DO NOT PLUG INTO FAN HEADERS FAN A, FAN B or FAN C].



- Slide the center bracket downwards and place it in the chassis.



- Once center bracket is placed into the chassis, use the 2 screws that were used previously to hold the center bracket and screw them into the chassis/center bracket to secure it into place.

