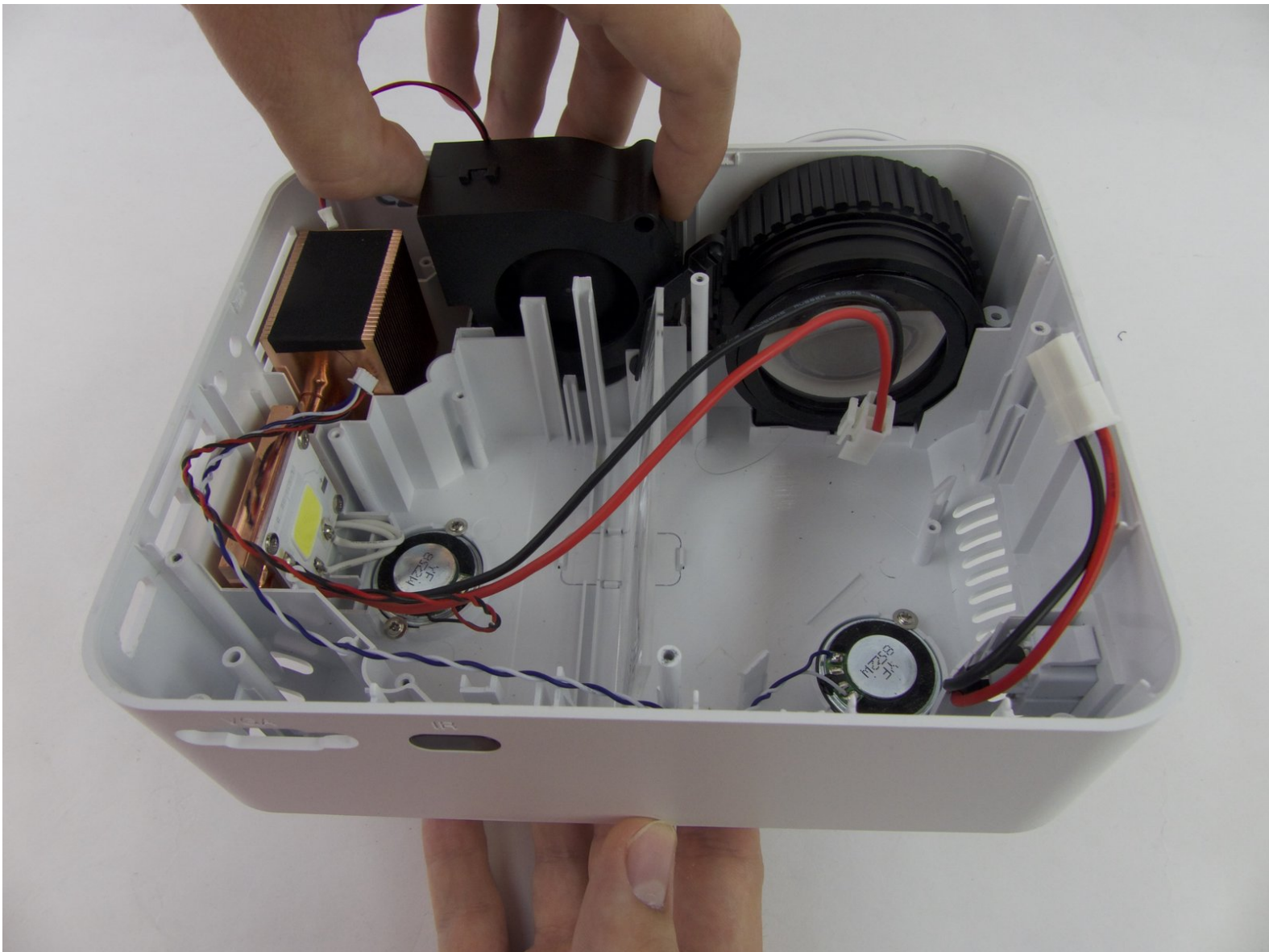# DBPOWER T20 Fan Replacement

Easy step by step guide to replace the DBPOWER T20 projector's internal fan. This can help repair an overheating device.

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INTRODUCTION

Taking out the fan is quick and easy. When removing the fan it is okay to use some force as it's not delicate.

🔧 TOOLS:

- Spudger (1)
- JIS #0 Screwdriver (1)

Step 1 — DBPOWER T20 Disassembly
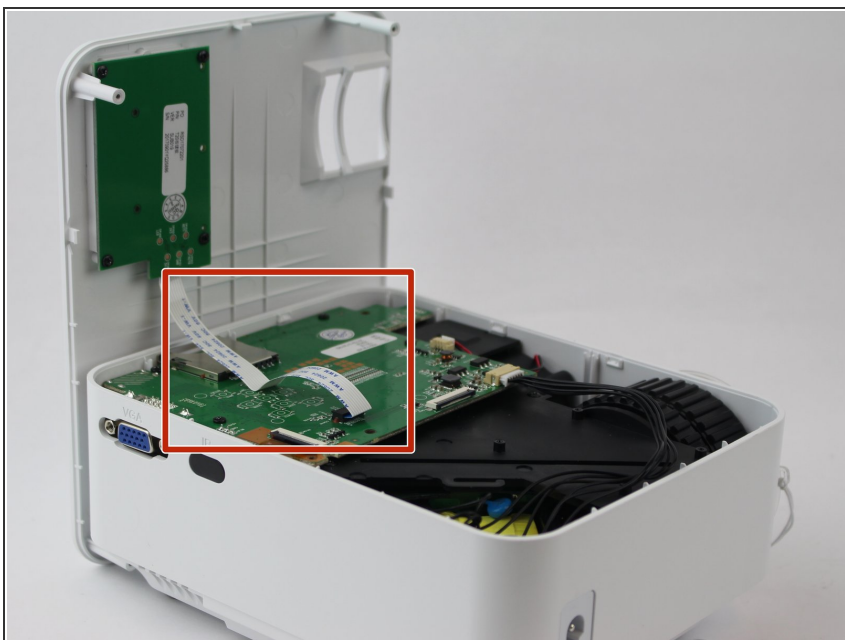

- Flip the device and lay flat.

Step 2

- Remove the four (9 mm) screws with a PH2 screwdriver.

- Remove the two (7 mm) located with a PH2 screwdriver.
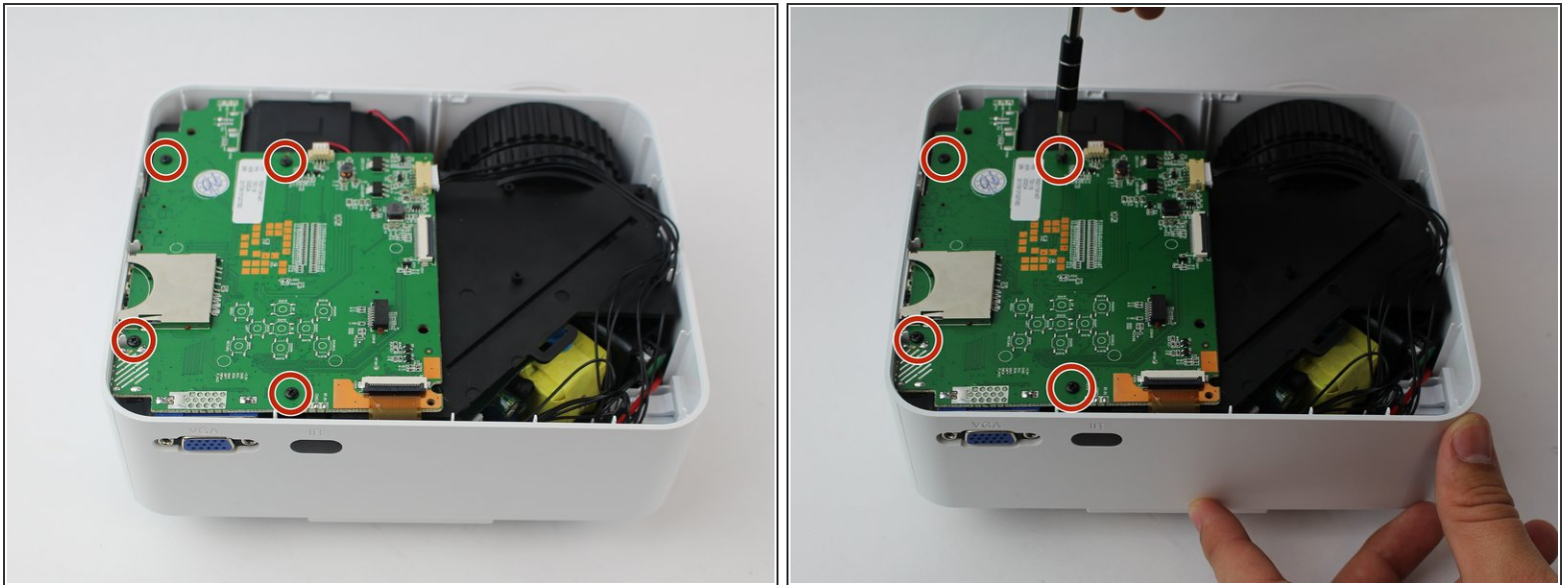
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Step 3

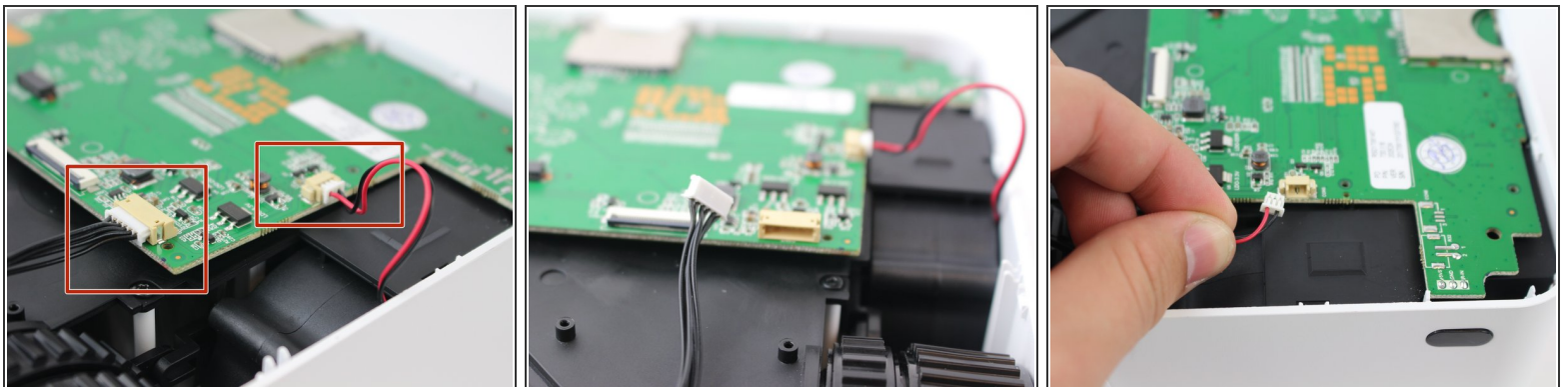- Flip the device over and pry the top off with a plastic opening tool.

Step 4

- Remove the ribbon cable connecting the motherboard to the button control board by gently pulling it from its connector.

Step 5

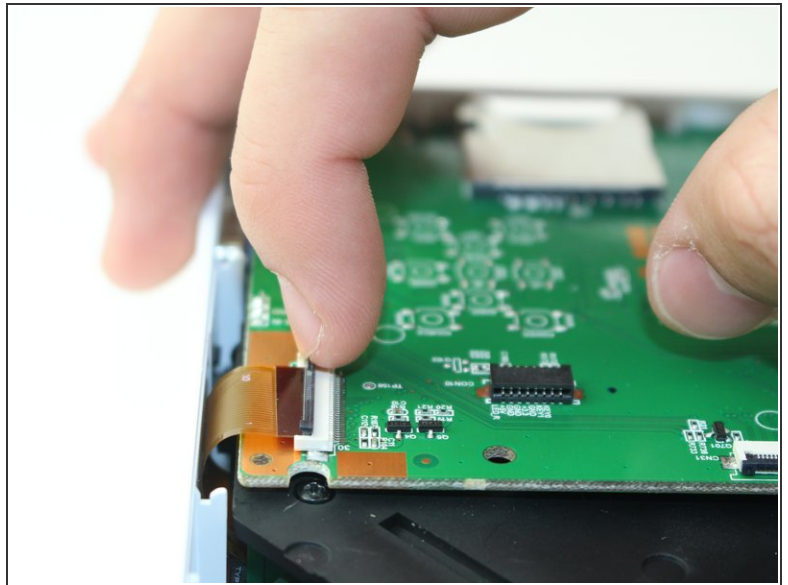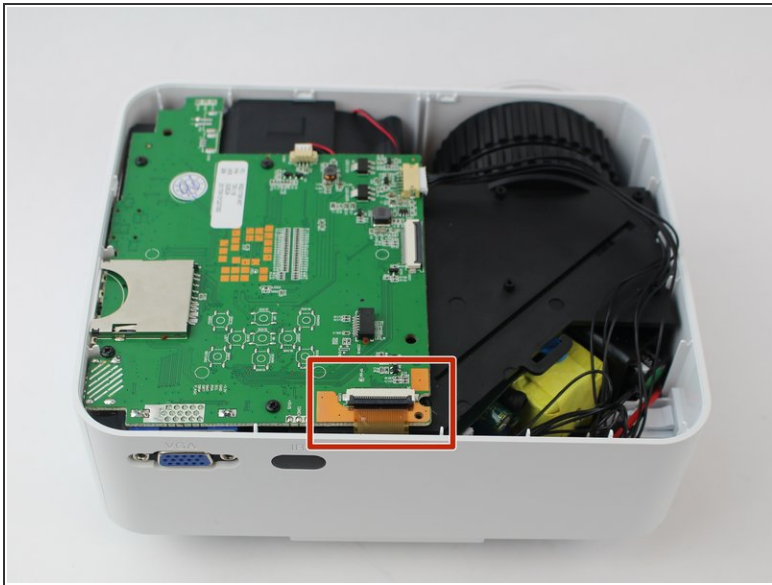- Remove four (6 mm) screws connecting the motherboard using a J0 screwdriver.

Step 6

- Remove the two cables connected to the motherboard: black power cable and the red/black fan cable.
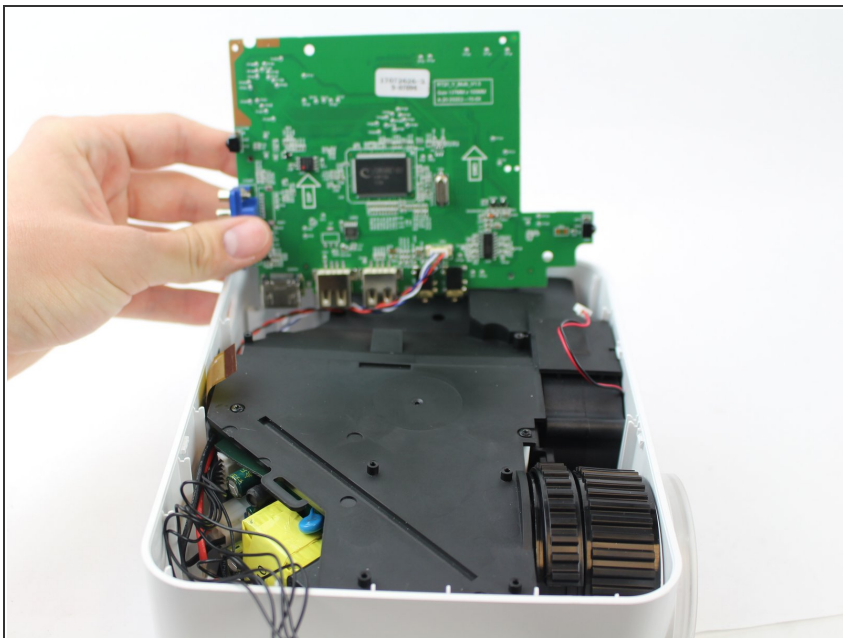
- ⓘ the black cable requires more force to remove than the other cables.

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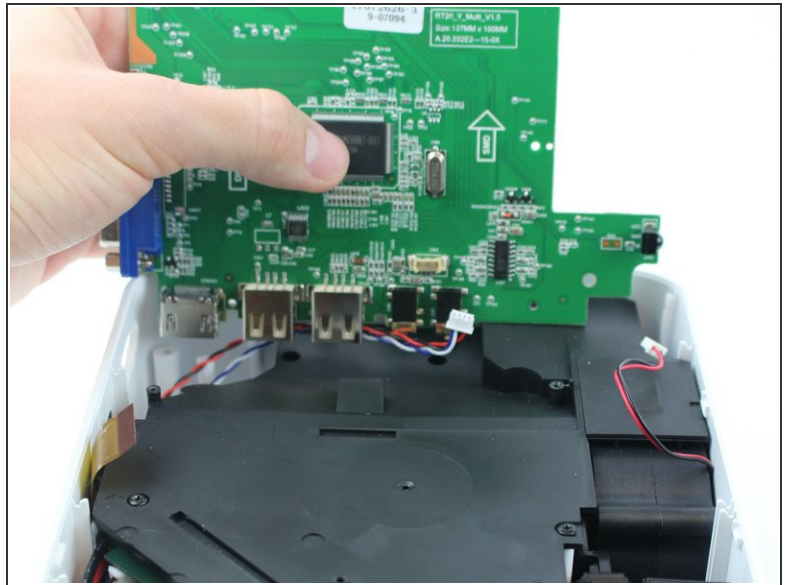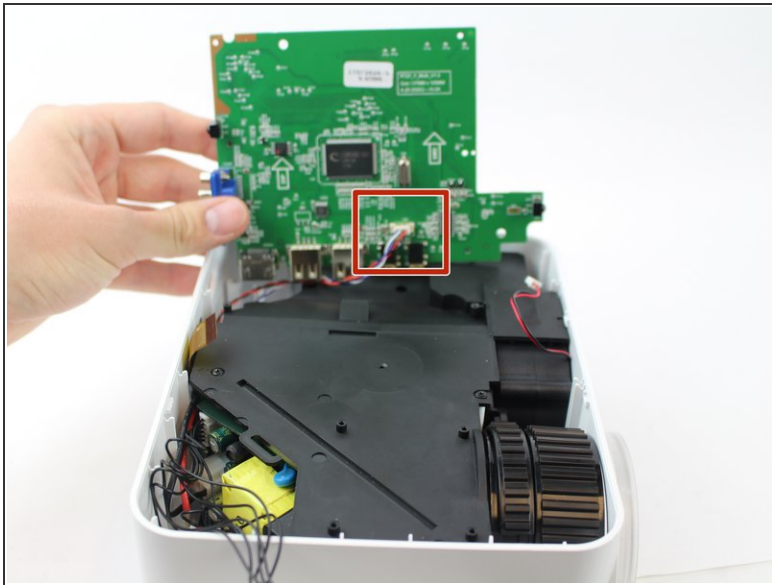
Step 7

- Lift the black latch on the ZIF connector and remove the ribbon cable that attaches the digitizer to the motherboard.
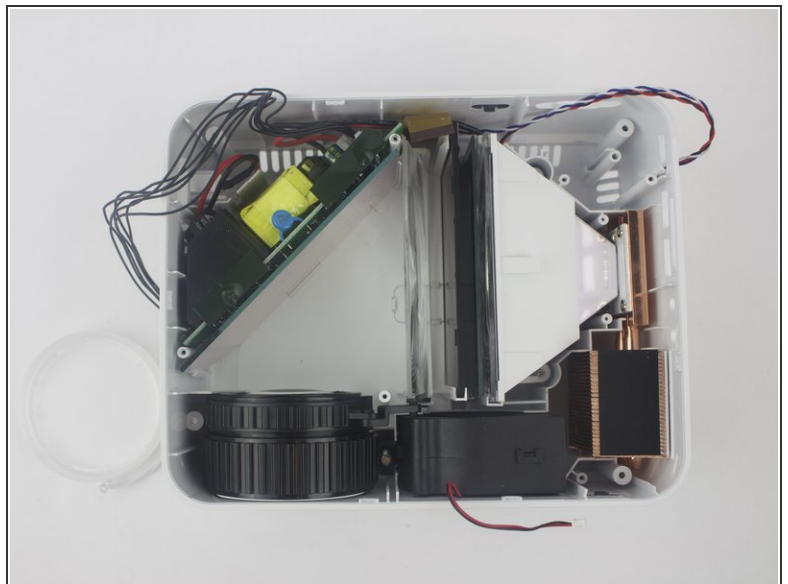
Step 8

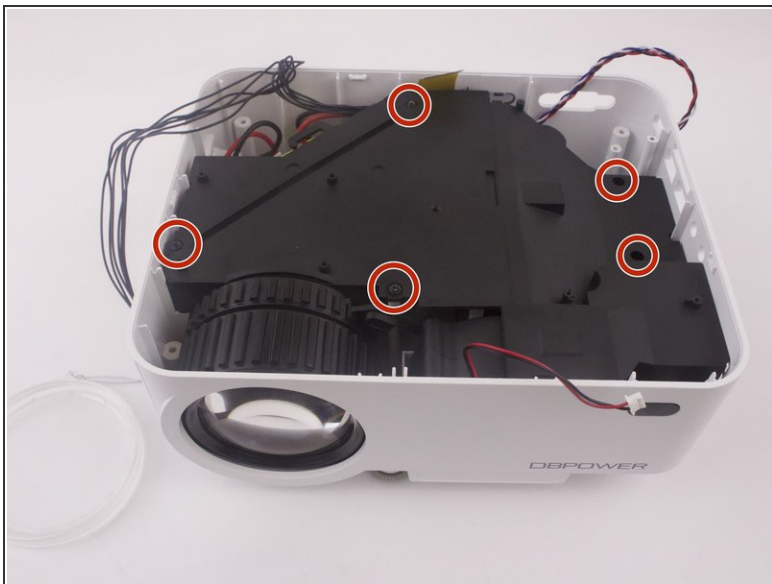- Raise motherboard by lifting sideways and then up to avoid the ports.

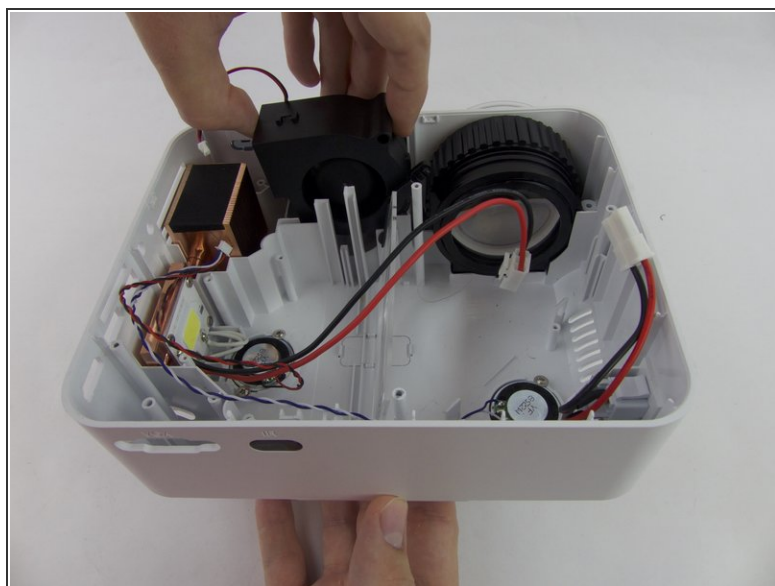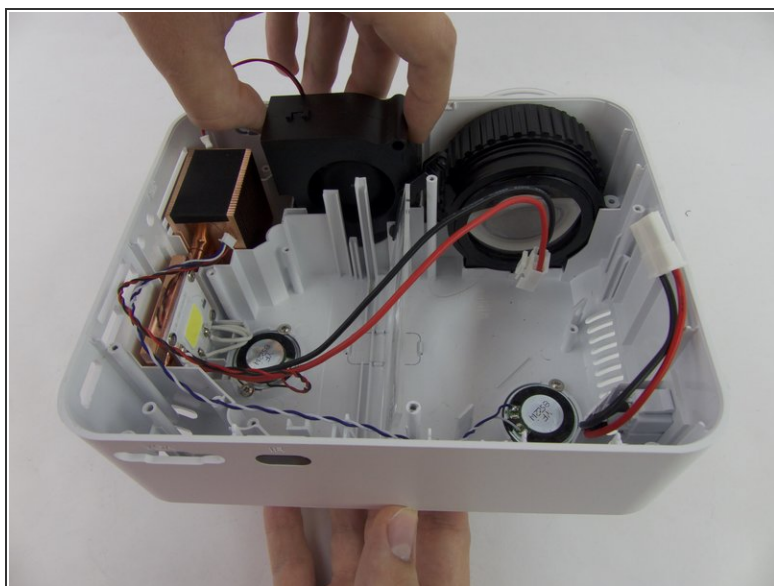This document was generated on 2020-11-28 06:37:31 AM (MST).

Step 9

- Remove wires attaching the piezoelectric speakers to the motherboard.

Step 10

- Remove the five screws securing the black plastic cover with a J0 screwdriver.

- Lift up and out to remove.

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Step 11 — Fan

- Pull the fan up and out of the housing.

- (i) In this image the lamp and power input have been removed to increase visibility, you do not have to remove these to remove the fan.

To reassemble your device, follow these instructions in reverse order.

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