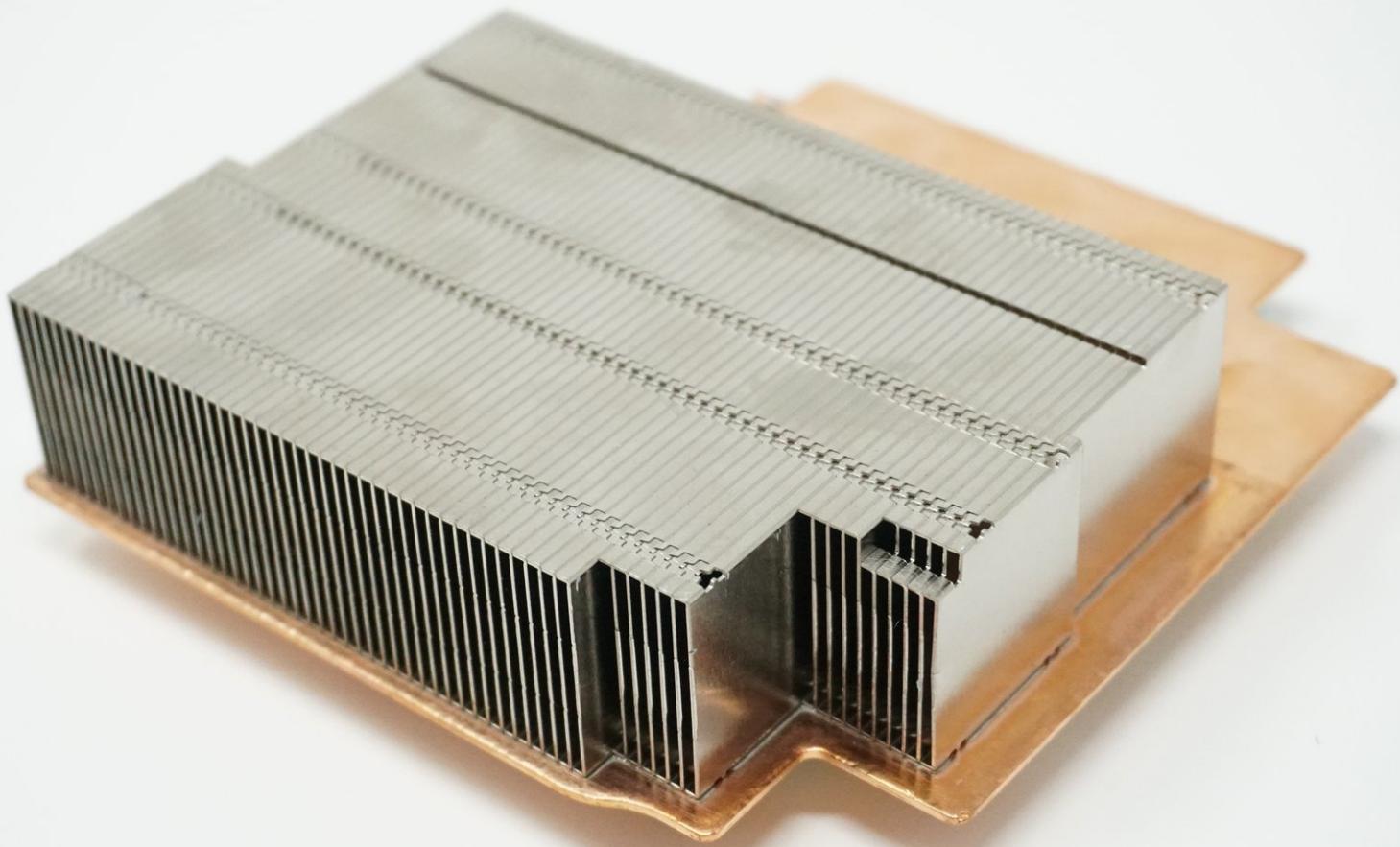




Xbox One X Project Scorpio Edition Heat Sink Replacement

This guide explains how to access the heat sink for the Xbox One X Project Scorpio Edition.

Written By: Ashley Masuda



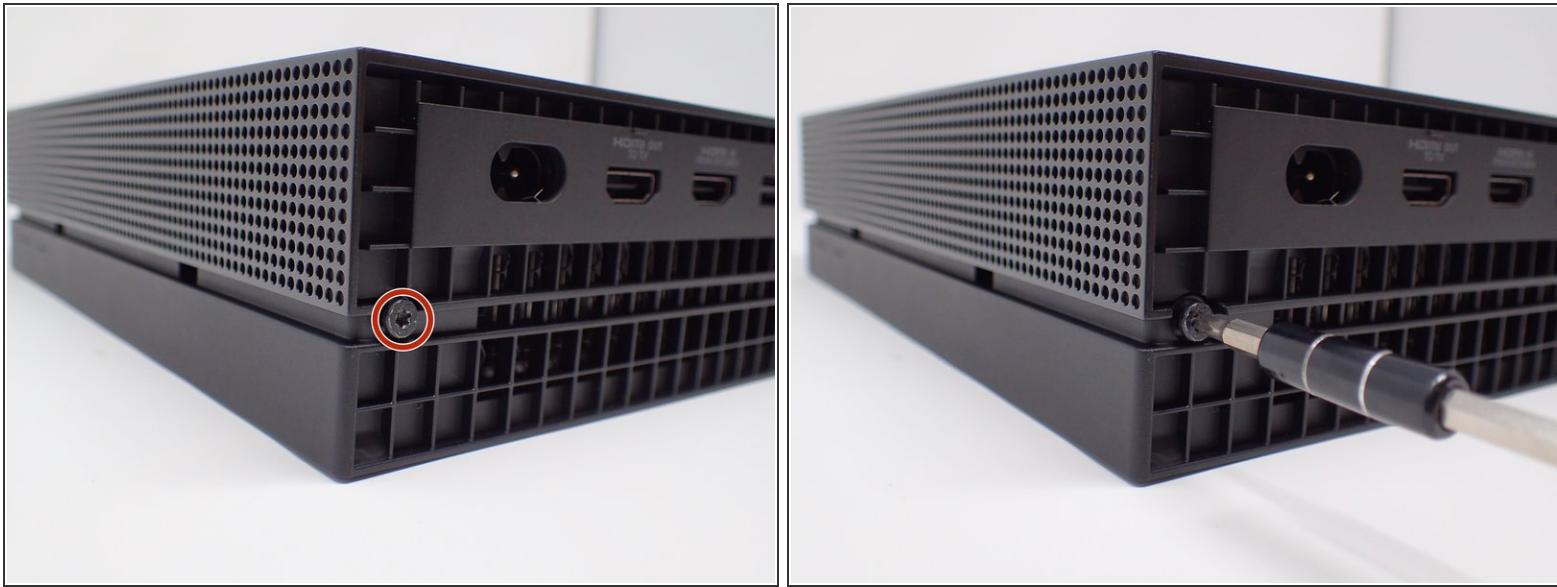
INTRODUCTION

This guide instructs how to remove the heat sink of the Xbox One X. It contains the same steps necessary to remove the motherboard.

TOOLS:

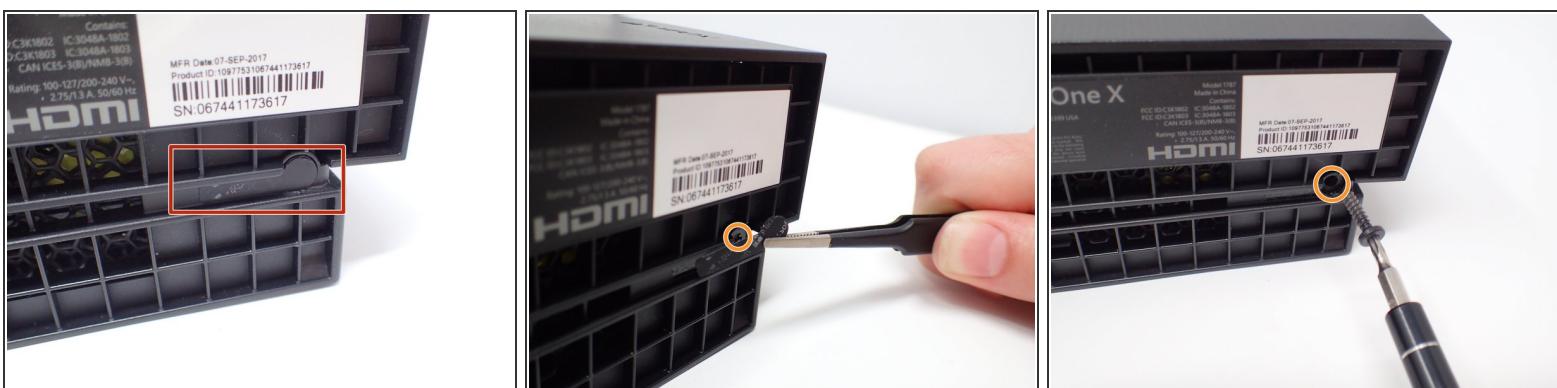
- [T9 Torx Screwdriver](#) (1)
- [Precision Tweezers Set](#) (1)
- [iFixit Opening Tools](#) (1)

Step 1 — Outer Case



- Use a T9 Torx screwdriver to remove the 13mm screw which is under and to the left of the power input.

Step 2



- Using precision tweezers, remove the screw tab located on opposite side of the box.
- Use a T9 Torx screwdriver to remove the 13mm screw revealed underneath the tab.

Step 3



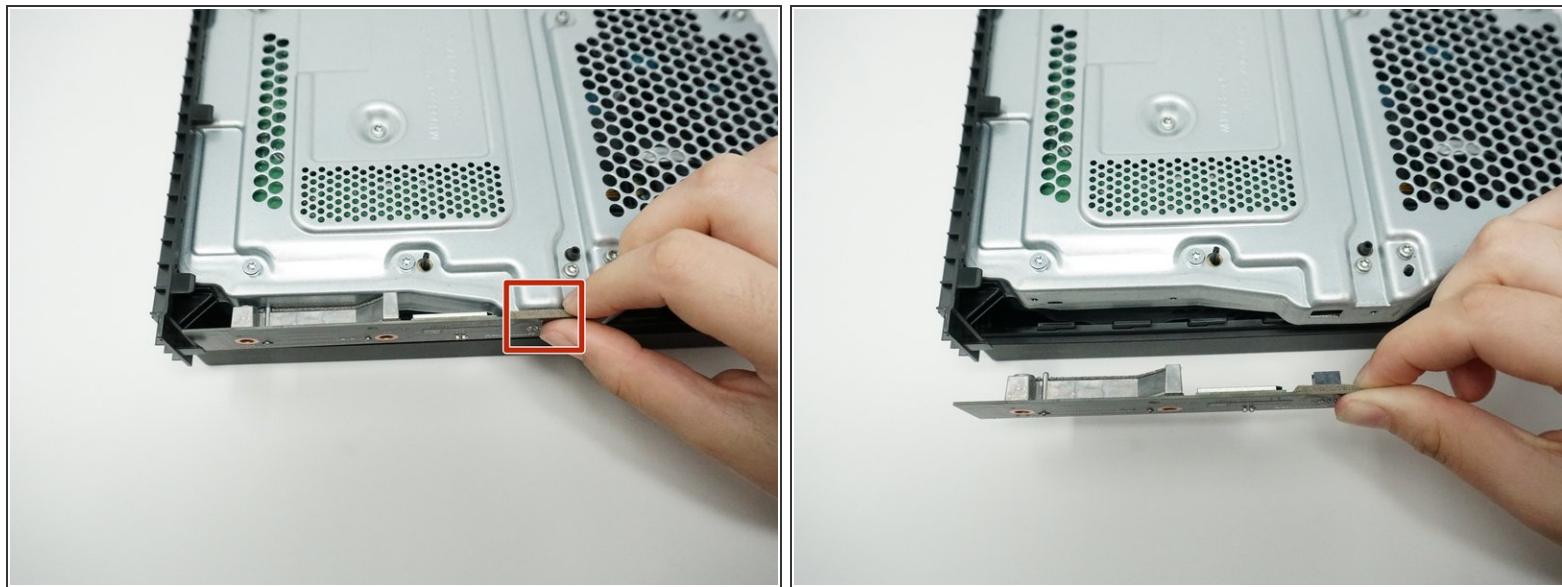
- Orient the case so that the front of the Xbox (the side with the power button) is facing you.
- Remove the top of the case by sliding the case towards you.

Step 4



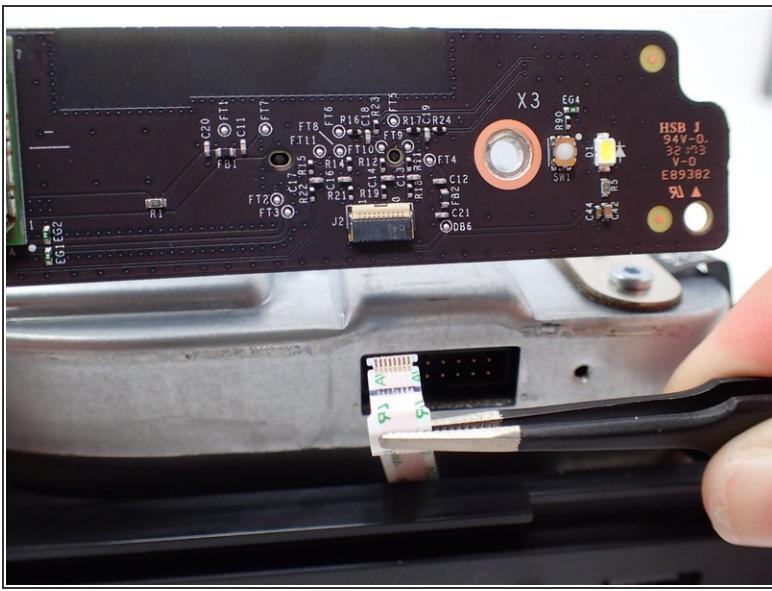
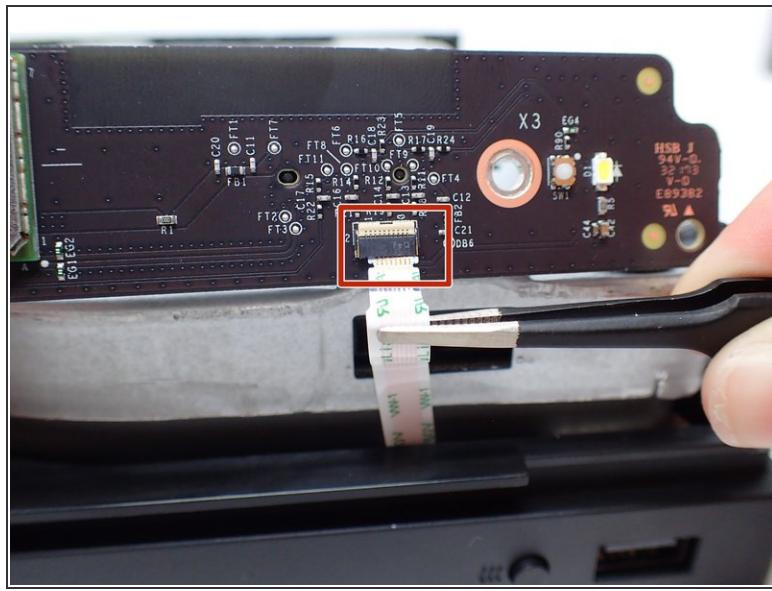
- Using a T9 Torx screwdriver, remove the two 15mm silver screws that are holding a circuit board/panel to the side of the interior metal casing.
- Using the same screwdriver, remove the 9mm black screw located farther to the right on the same circuit board/panel.

Step 5



- Remove the unscrewed panel from the side of the device by pulling it toward you.
- Be mindful of the connector, as it is fragile.

Step 6



- Pull the upper edge of the white clip down, and then remove the white connector from the dislocated panel using precision tweezers.
- Do not force the connector out, as it is fragile. Wiggling may be necessary.

Step 7



- On the top of the device in the corner directly above the white connector, there is an oval plate held in place by two screws.
- Remove both of these 7mm screws with a Torx T9 screwdriver.
- Lift the detached plate off to the side.

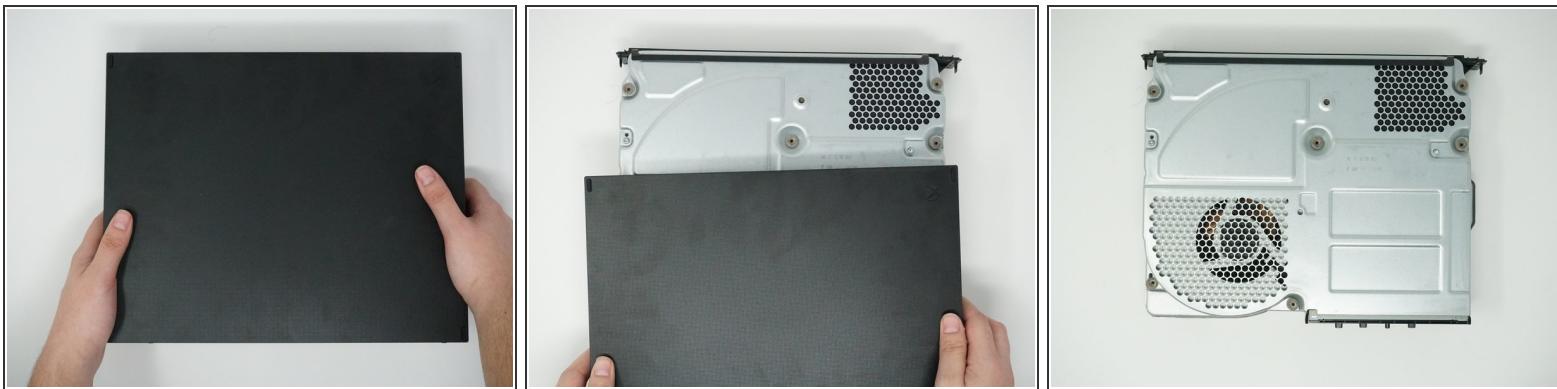
(i) The plate is still connected to the device.

Step 8



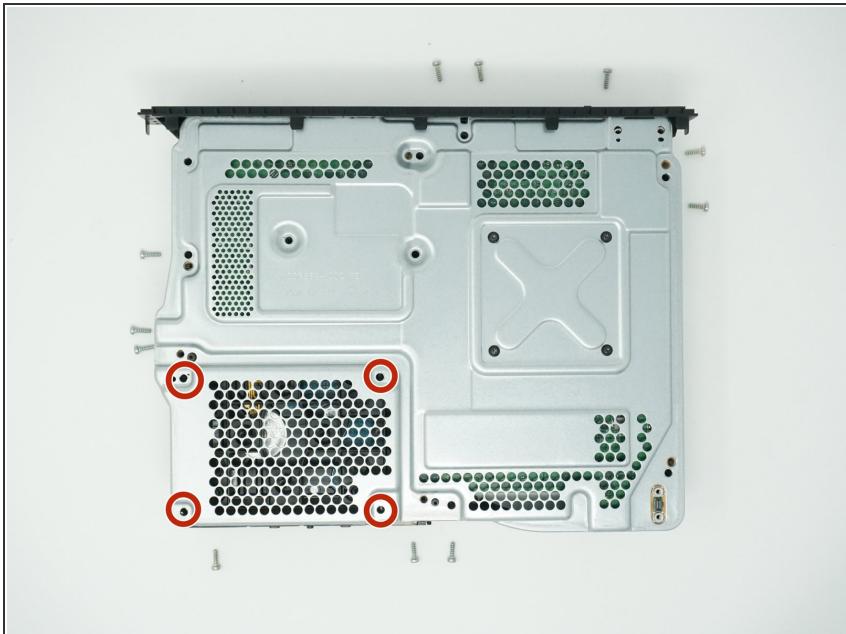
- Use a Torx T9 screwdriver to remove the six 47mm long screws, which attach the bottom side of the outer case.

Step 9



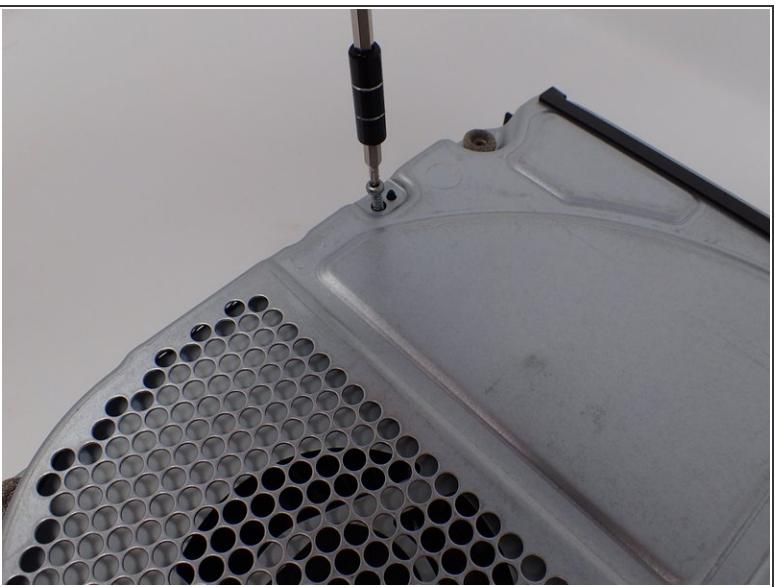
- Turn the Xbox over, so that the bottom of the case is on top.
- Lift the bottom of the case off of the Xbox by pulling it up and toward you.

Step 10 — BD-ROM Drive



- Flip over the device again, so that the top is facing upwards.
- Remove the 4 smaller 11mm screws in the lower left corner on the metal casing using a Torx T9 screwdriver.

Step 11



- Flip over the device again, so that the bottom is facing upwards.
- Using a Torx T9 screwdriver, remove the two screws located on opposite sides of the metal casing. One is near the fan vent, and the other is near the power supply vent.

(i) The left screw is 11mm and the right screw is 7.5 mm.

Step 12



- Remove the metal casing by pulling it upward, revealing the interior components of the device.

Step 13



- Lift and rotate the BD drive to reveal the wires that connect it to the motherboard.

Step 14



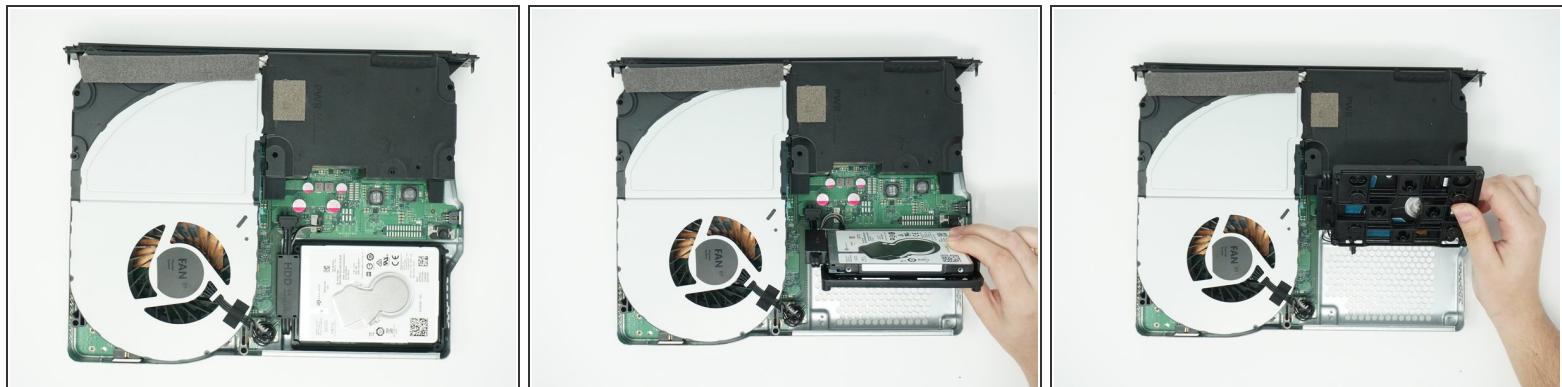
- Using your fingers, gently unplug the two sets of wires connecting the drive to the motherboard.
- Alternatively, you can disconnect the wires from the drive-side sockets. This is much easier if you have not removed the power supply.
- The BD drive should now be completely detached from the rest of the device, and it can be set aside.

Step 15 — Hard Drive



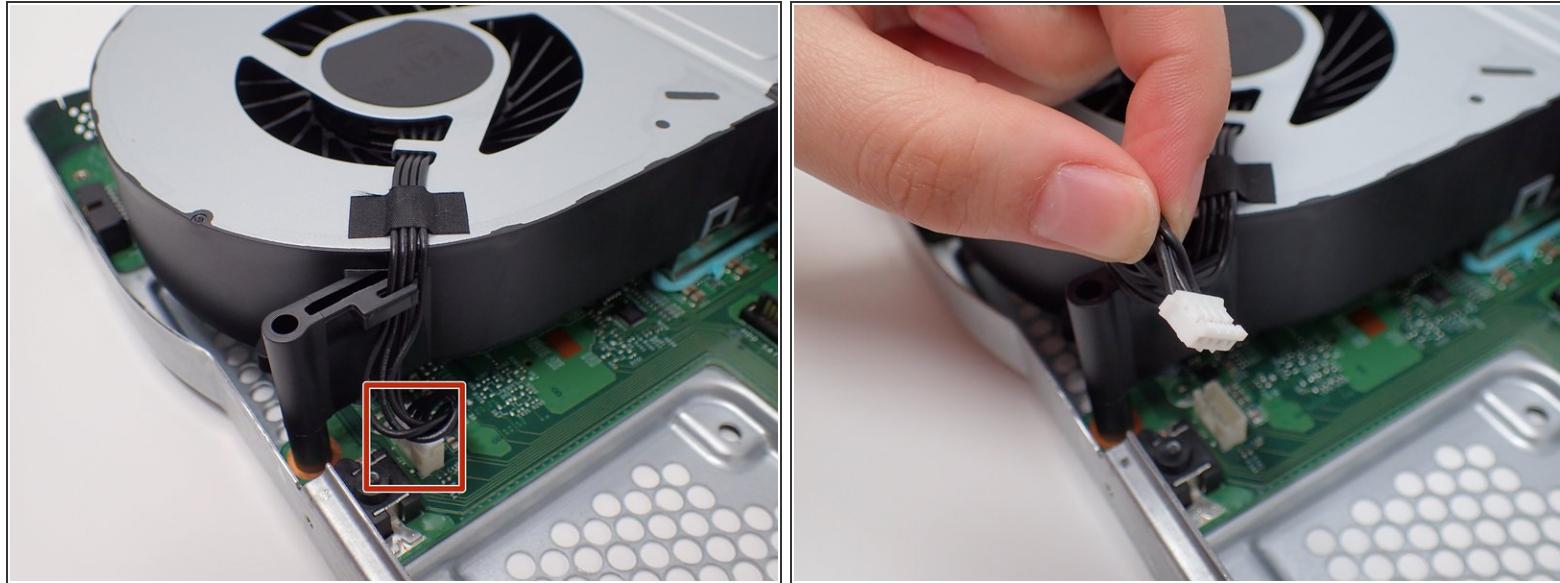
- Detach the two connection headers located to the right of the hard drive.
- ⓘ Do not apply too much force to the connectors. Wiggling may be necessary to dislodge them.

Step 16



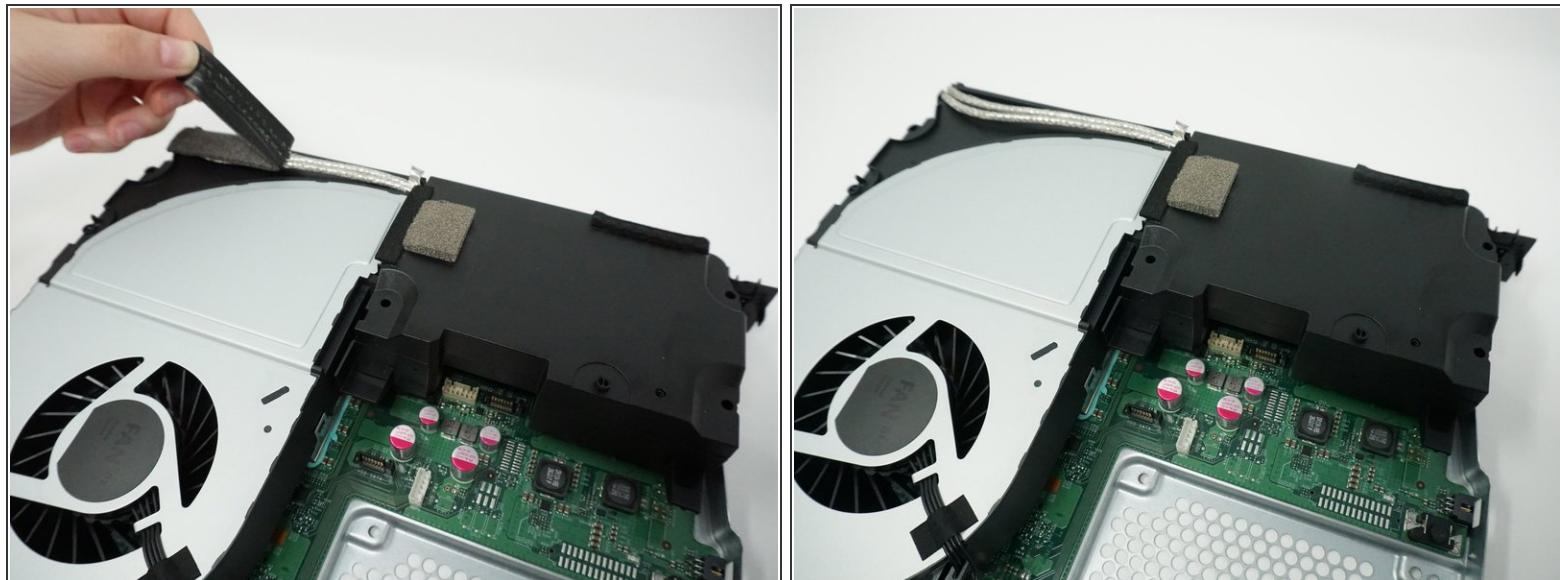
- Lift the Seagate hard drive out of the case.

Step 17 — Fan



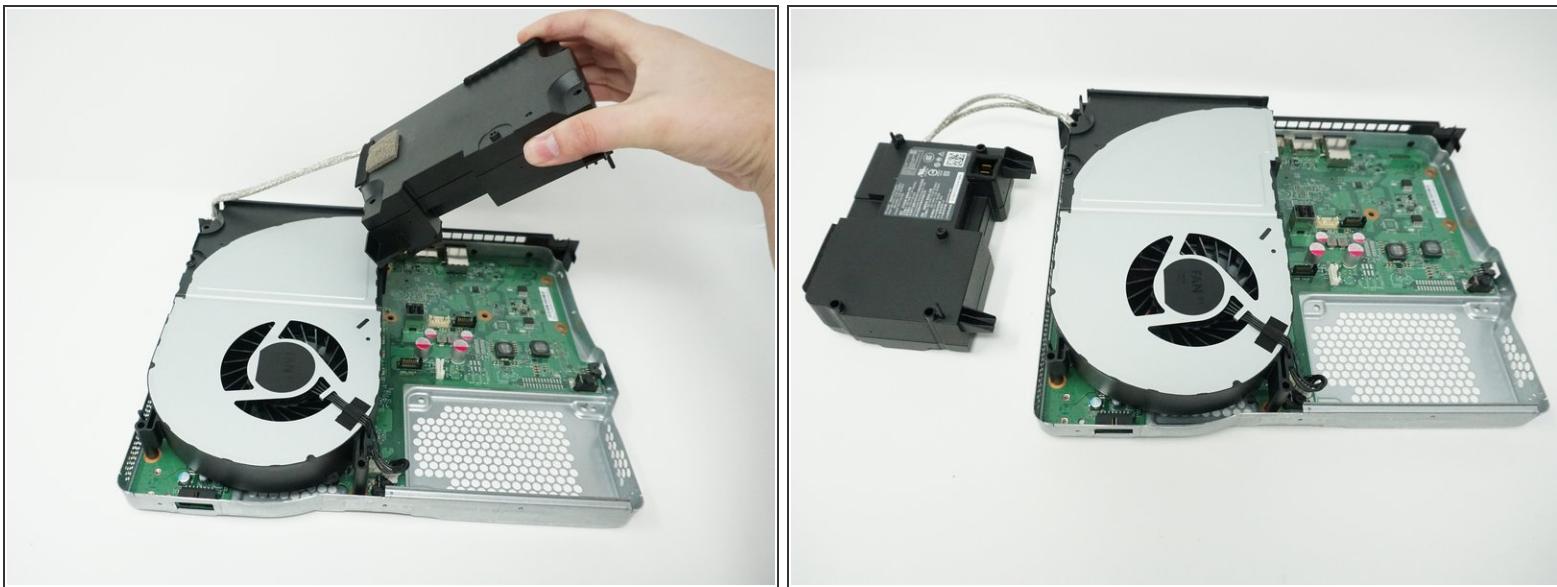
- Disconnect the plastic wire connector from the motherboard.

Step 18



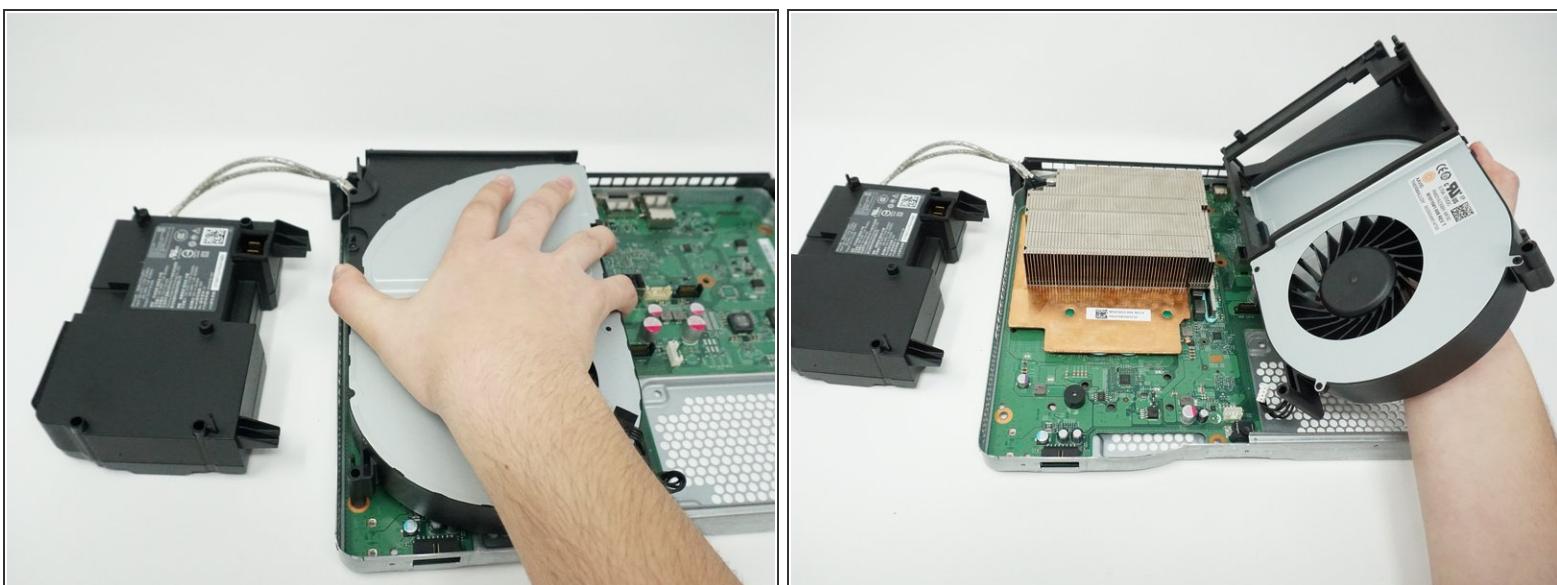
- Remove the piece of foam by gently peeling it off the cooling system.
- After the foam has been removed, its adhesive may not work as well.

Step 19



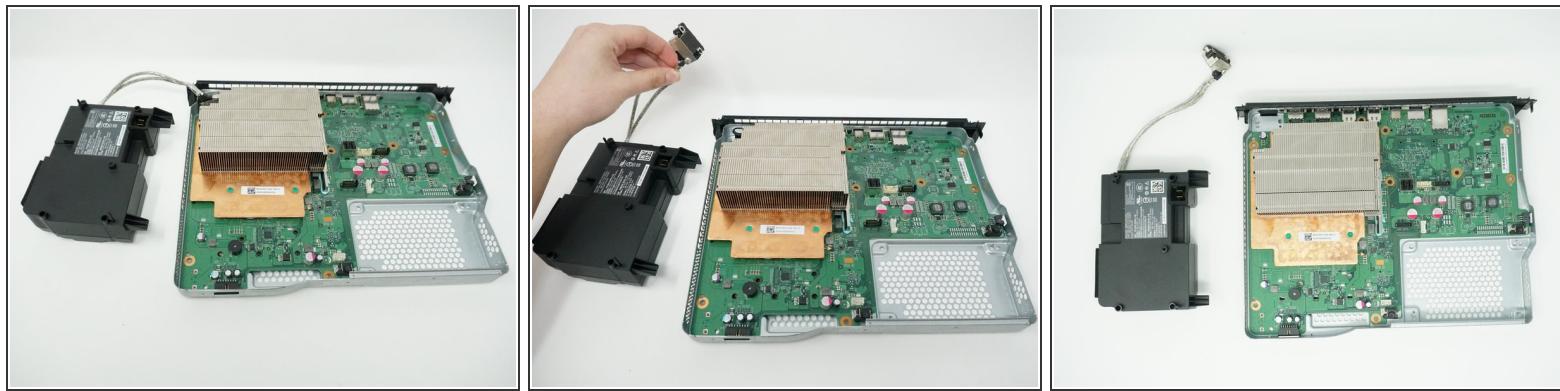
- Remove the power supply by lifting it off the motherboard, while leaving its cord attached.
- Set the power supply outside of the case so that the cord is no longer over the cooling system.

Step 20



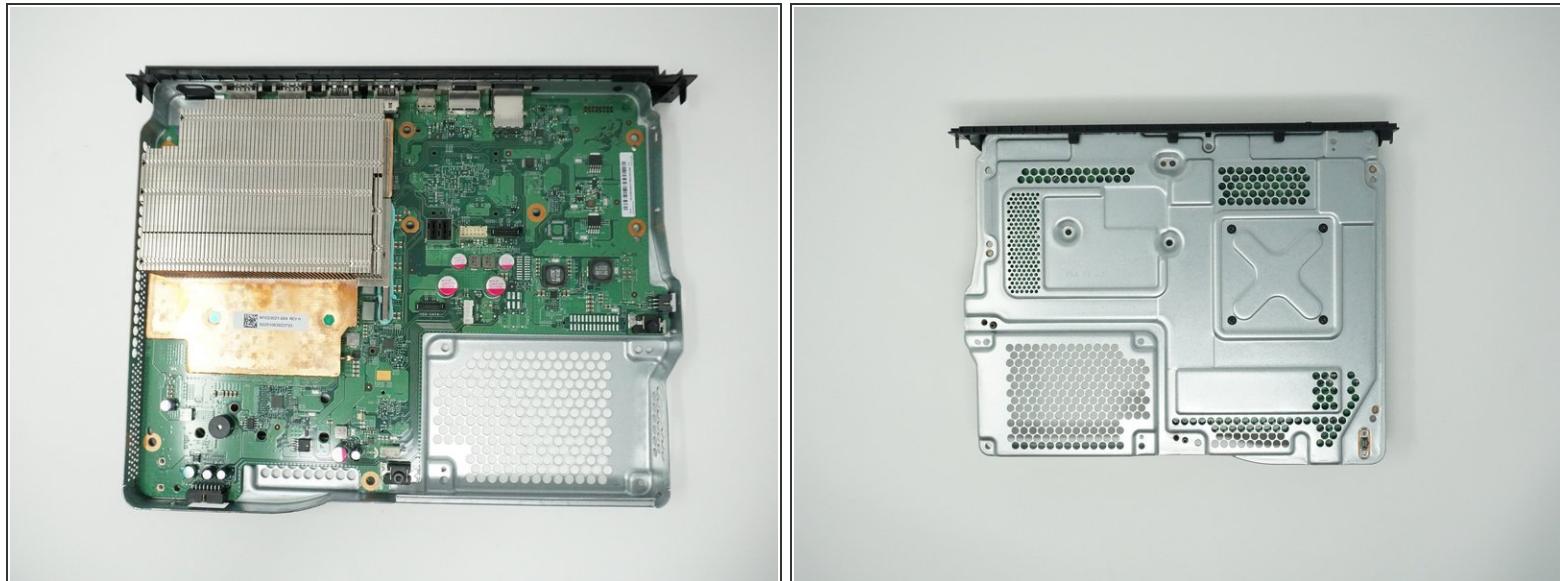
- Remove the cooling system by lifting it vertically off of the motherboard.

Step 21 — Power Supply



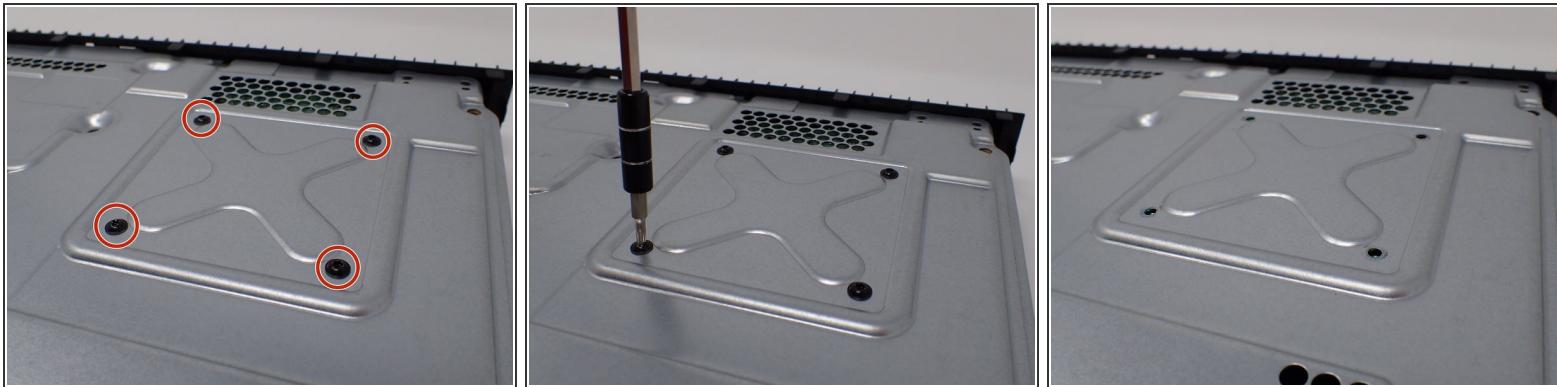
- Lift the metal piece connected to the cord out of the case.

Step 22 — Heat Sink



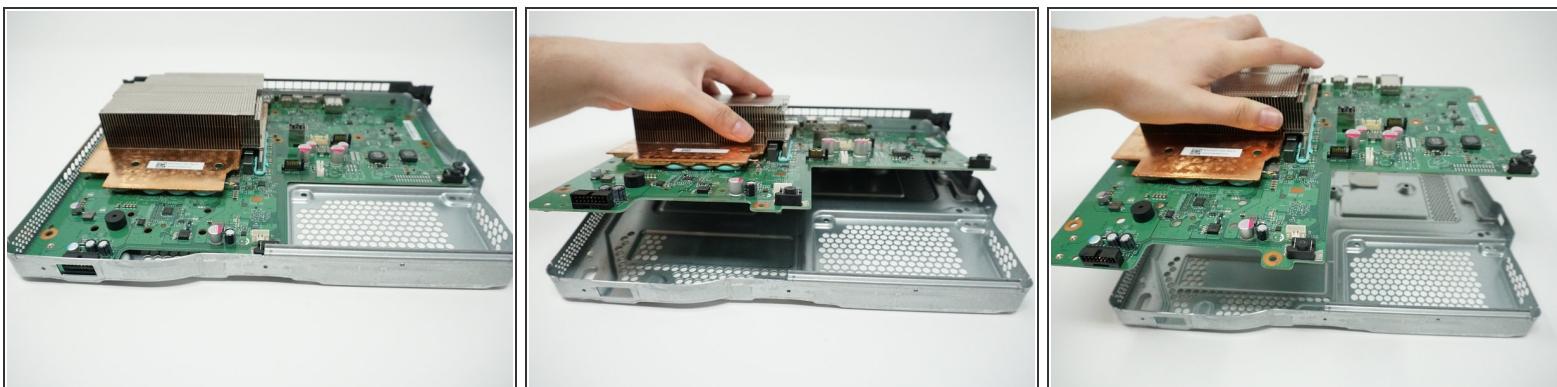
- Flip the device over, so the bottom of the metal casing is facing up.

Step 23



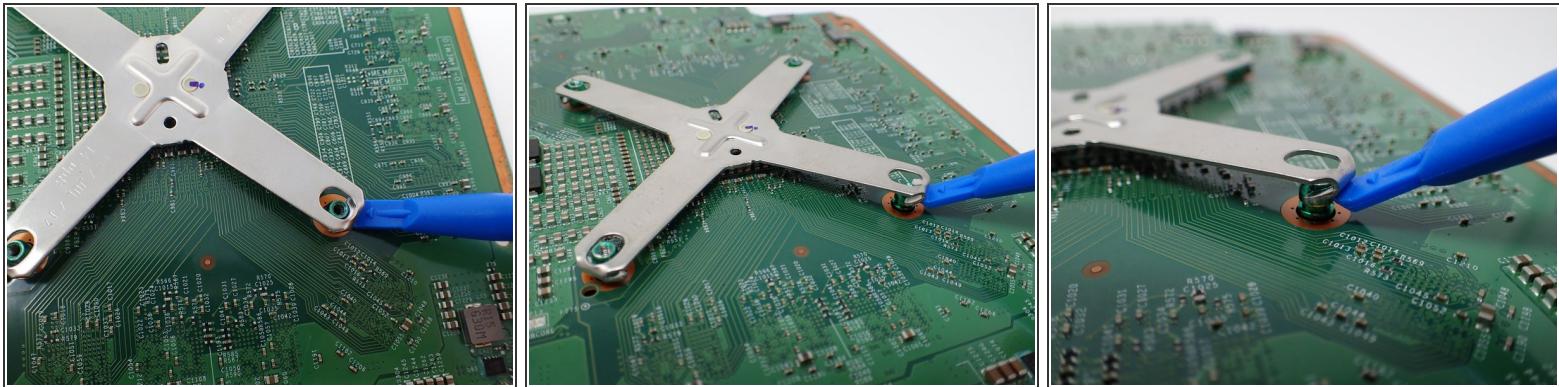
- Using a T9 Torx screwdriver, remove the four 9mm screws that are holding the heat sink to the outer metal casing.

Step 24



- Flip over the device again, so that the metal casing is on the bottom.
- Lift the motherboard vertically to remove it from the casing.

Step 25

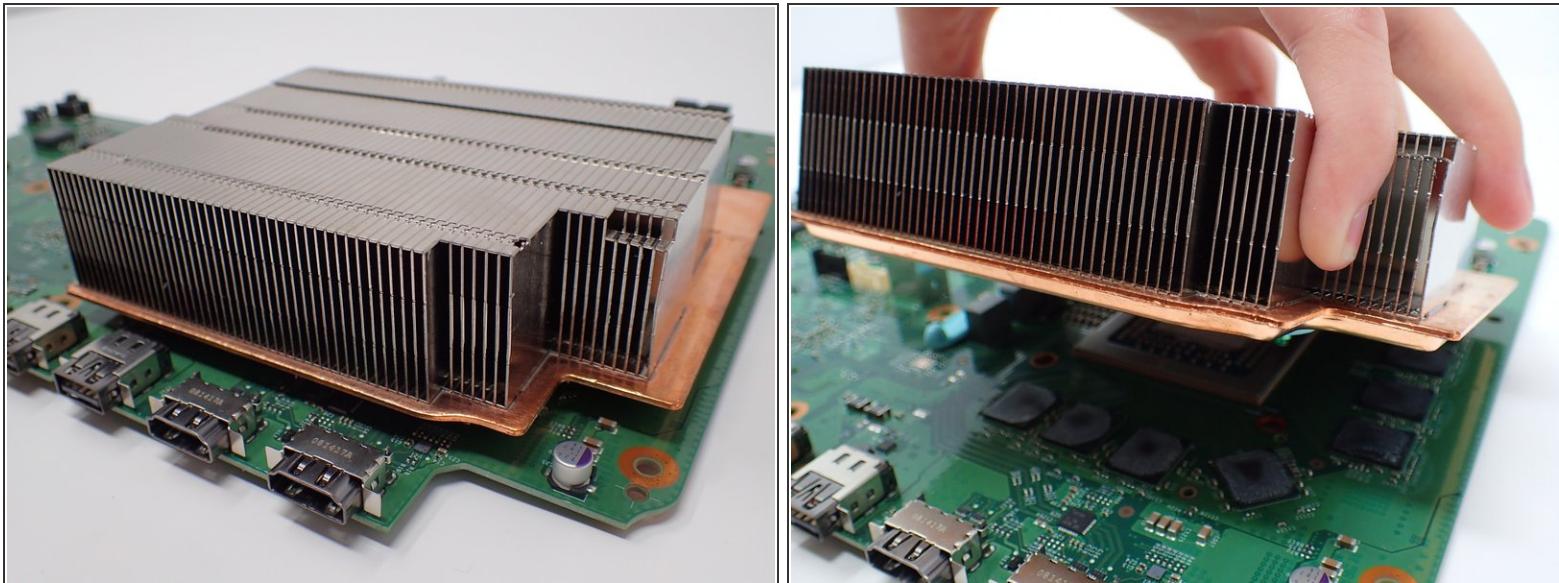


- Flip the motherboard over.
- Using a plastic opening tool, pry the corners of the x-shaped metal piece so that they each detach from the motherboard.

! Be sure to pry each metal corner up slowly to avoid damaging the motherboard.

! It is not recommended to use screwdriver/other metal tools not meant to pry things open. Use an opening tool or spudger.

Step 26



- Lift the heat sink to detach it from the motherboard.

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