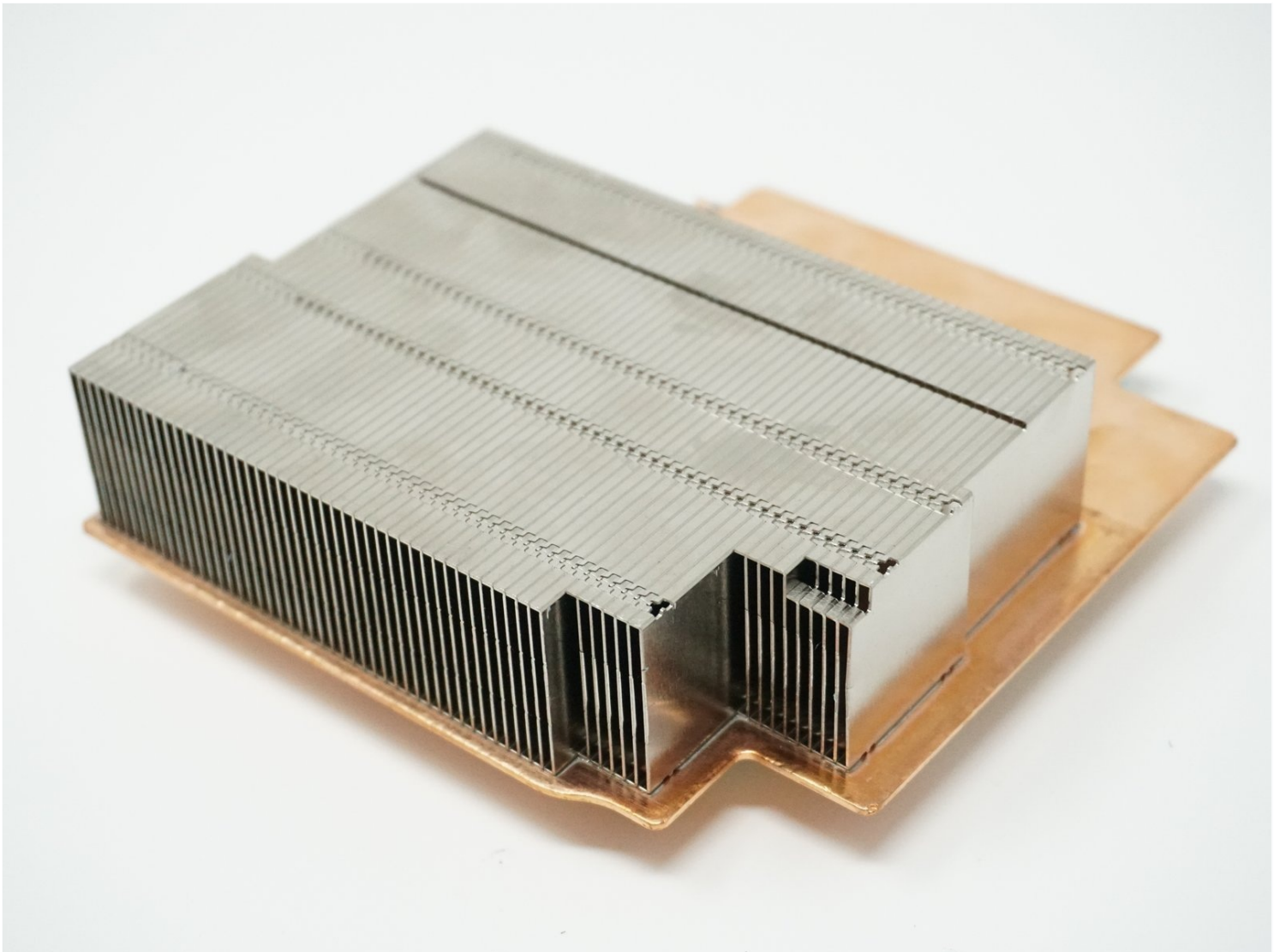




# Xbox One X Project Scorpio Edition Heat Sink Replacement

This guide instructs how to remove the heat...

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.

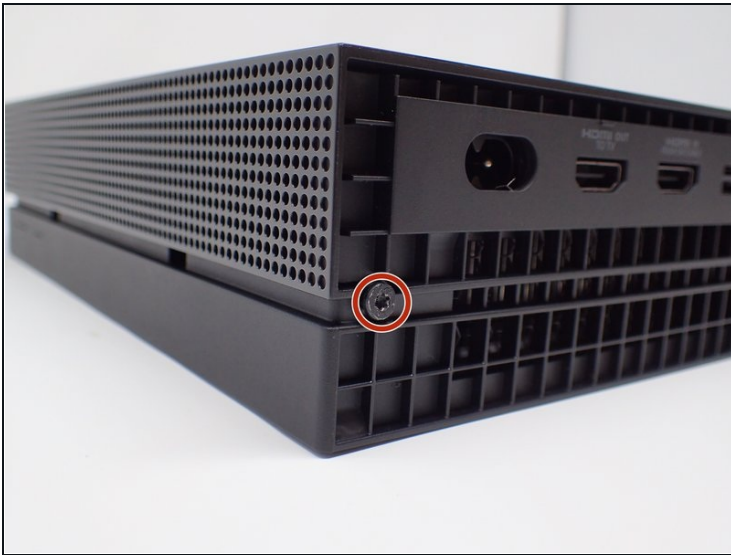
## TOOLS:

[TR9 Torx Security Screwdriver](#) (1)

[Precision Tweezers Set](#) (1)

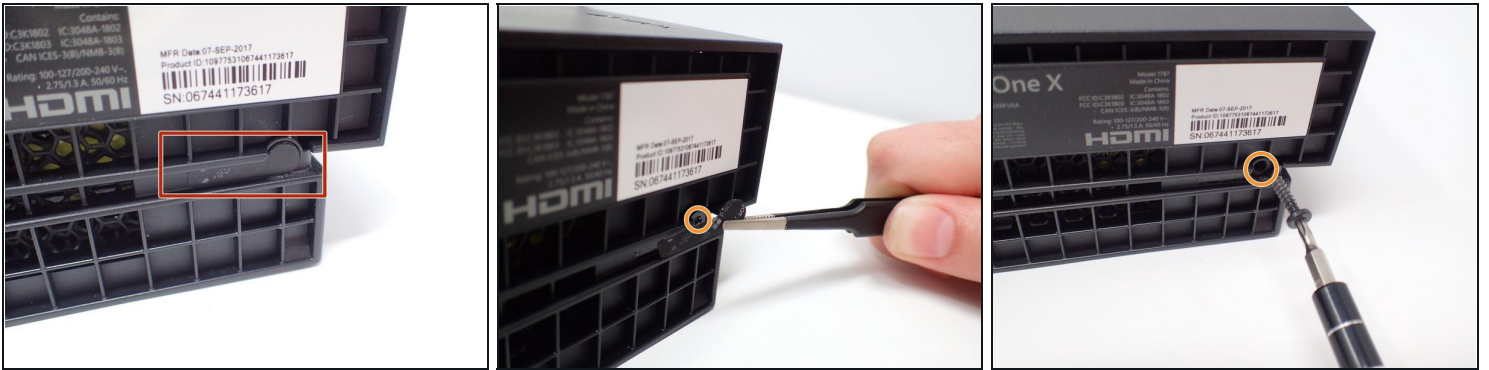
[iFixit Opening Tool](#) (1)

## 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.

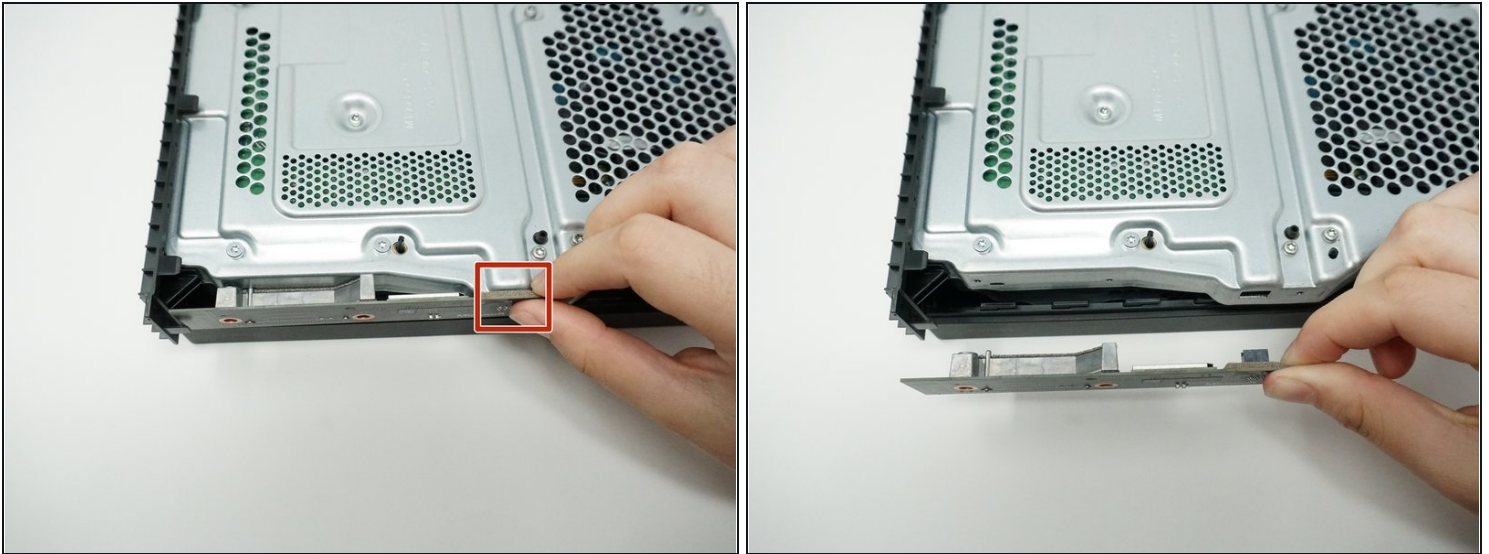


## Step 4



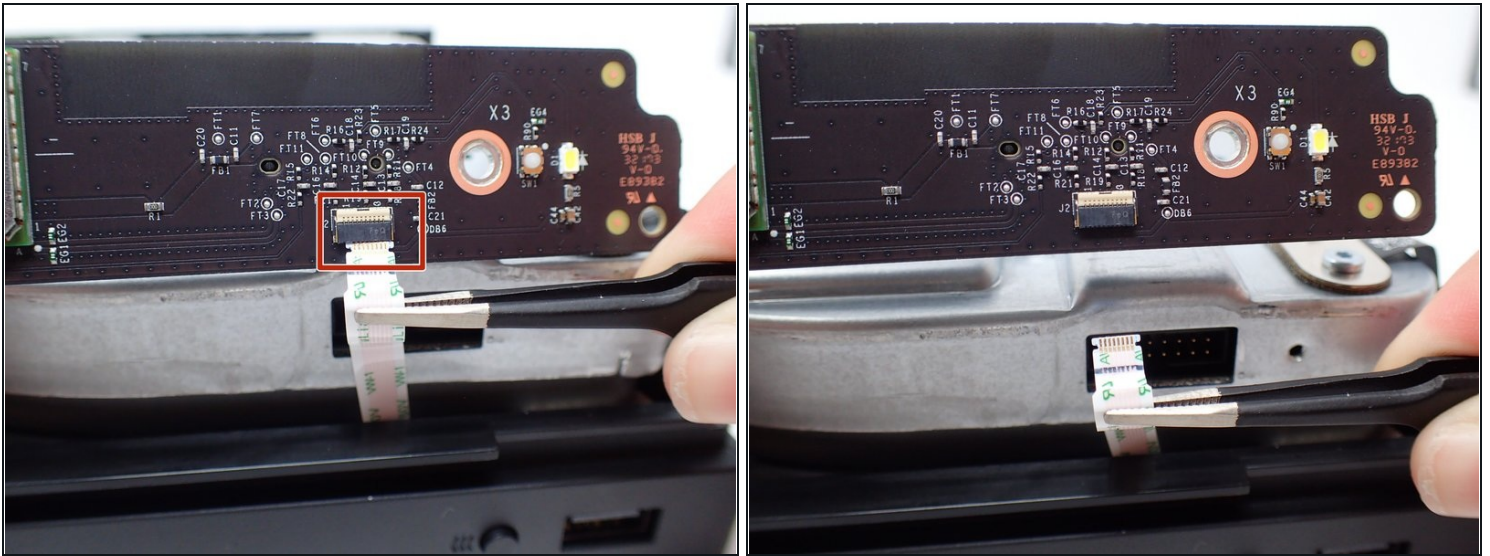
- Using a T9 Torx screwdriver, remove the two 15mm silver screws that are holding a circuit board/panel to the side of the interior metal casing.
- Using the same screwdriver, remove the 9mm black screw located farther to the right on the same circuit board/panel.

## 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



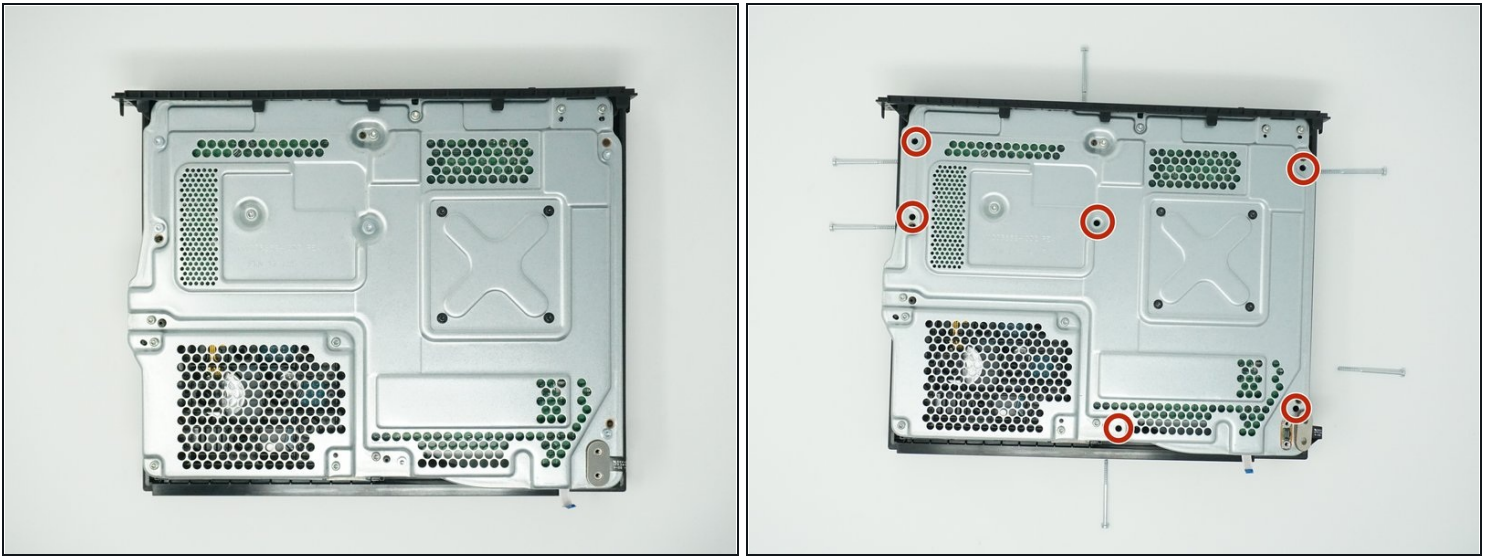
- Pull the upper edge of the white clip down, and then remove the white connector from the dislocated panel using precision tweezers.
- ⓘ Do not force the connector out, as it is fragile. Wiggling may be necessary.

## Step 7



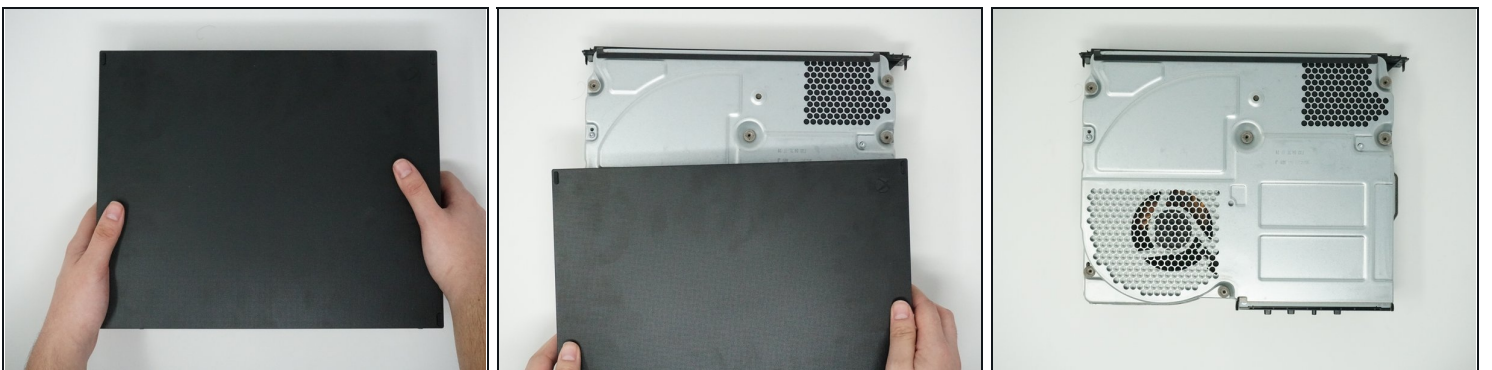
- On the top of the device in the corner directly above the white connector, there is an oval plate held in place by two screws.
- Remove both of these 7mm screws with a Torx T9 screwdriver.
- Lift the detached plate off to the side.
- ⓘ The plate is still connected to the device.

## Step 8



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

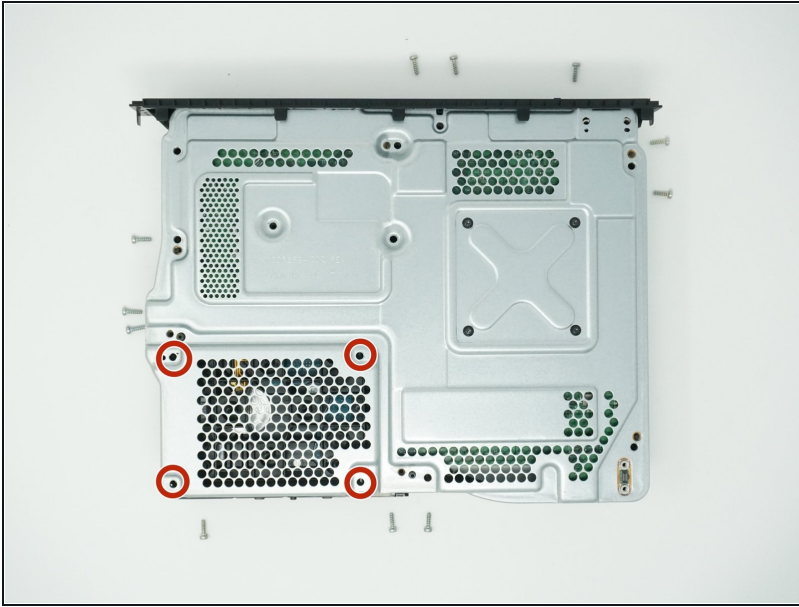
## Step 9



- 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.

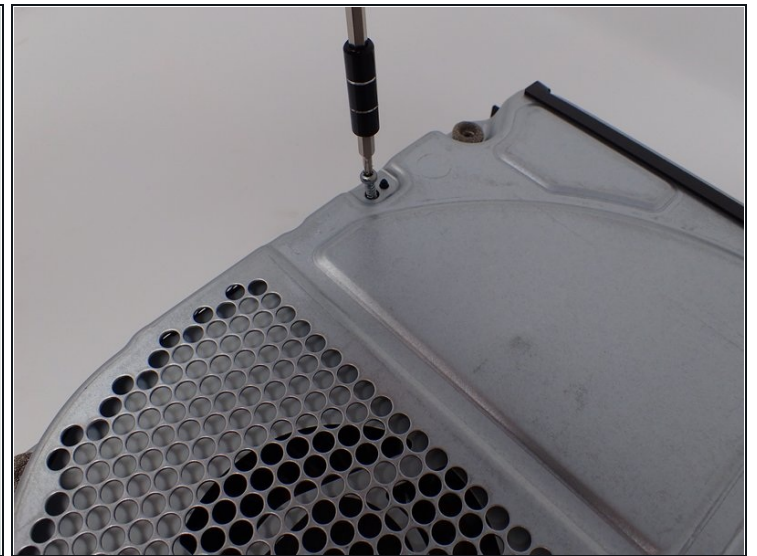
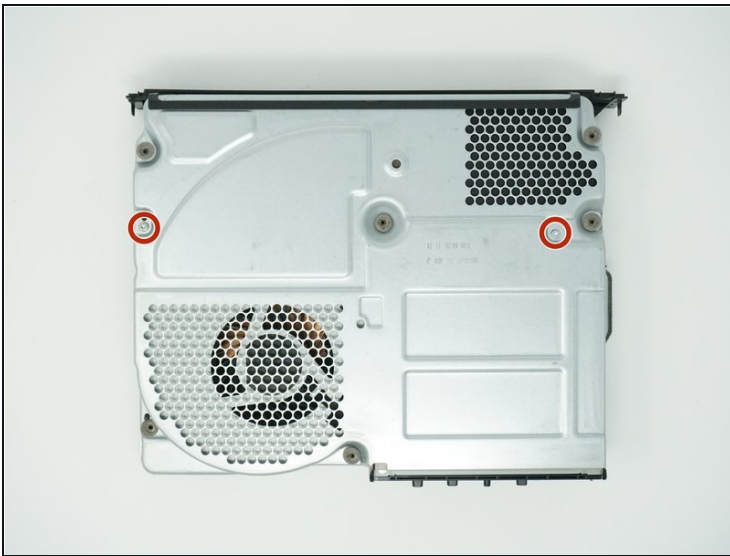


## Step 10 — BD-ROM Drive



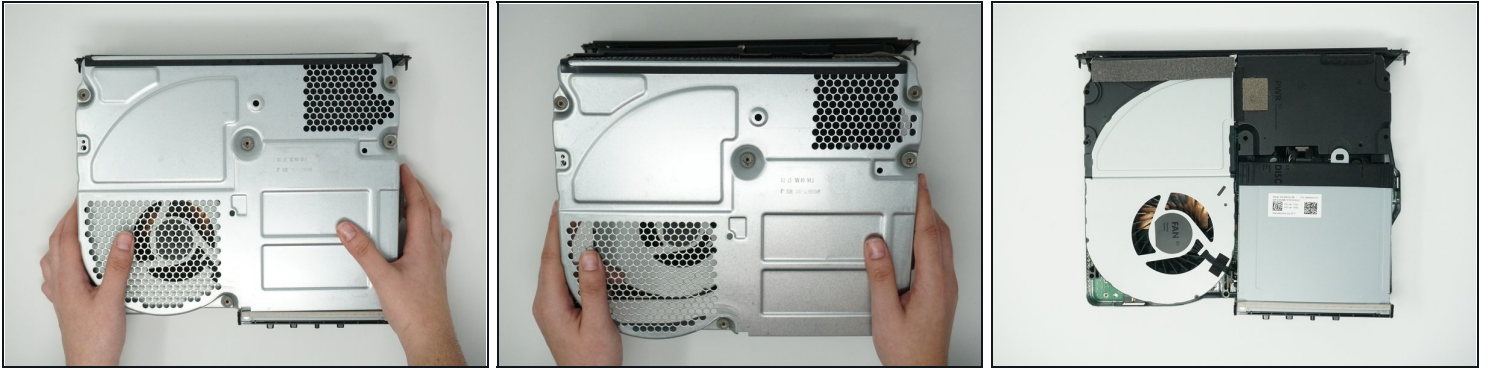
- Flip over the device again, so that the top is facing upwards.
- Remove the 4 smaller 11mm screws in the lower left corner on the metal casing using a Torx T9 screwdriver.

## Step 11



- Flip over the device again, so that the bottom is facing upwards.
  - Using a Torx T10 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.
- ⓘ 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.

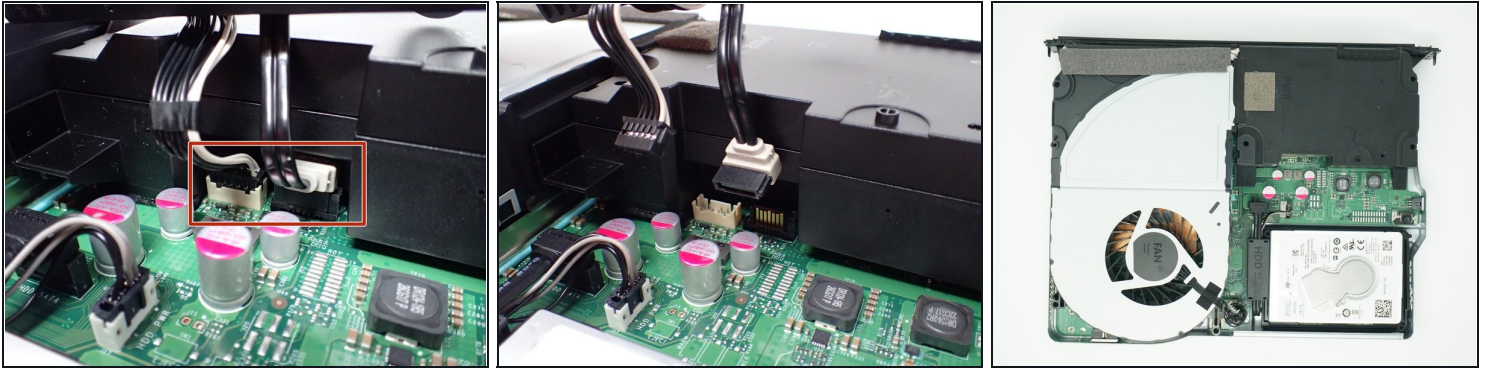
## Step 13



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

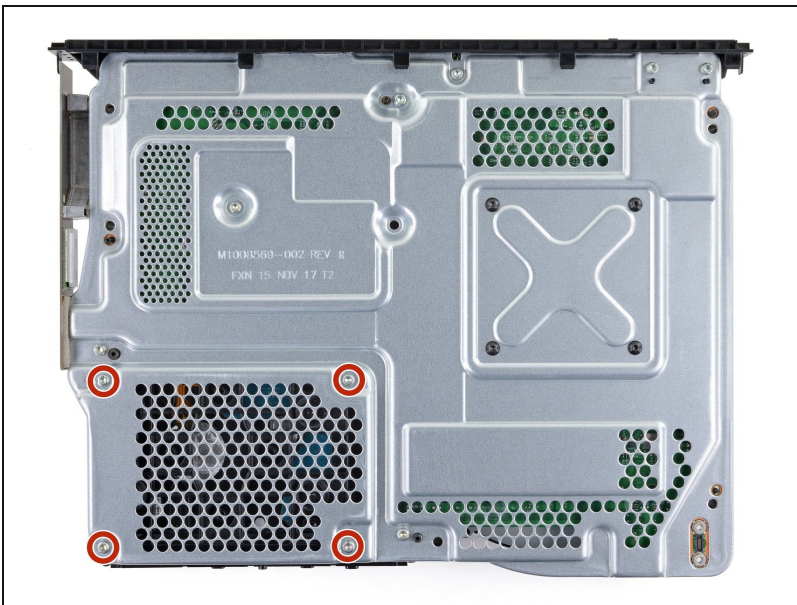


## Step 14



- 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 — Remove the screws holding the hard drive to the case



- Flip the console over.
- ⚠ The disc drive is only attached to the motherboard by two cable connectors. Hold the disc drive when flipping the console over to avoid damaging it.
- Use a T10 Torx screwdriver to remove the four 11.4 mm screws securing the hard drive to the upper metal case.

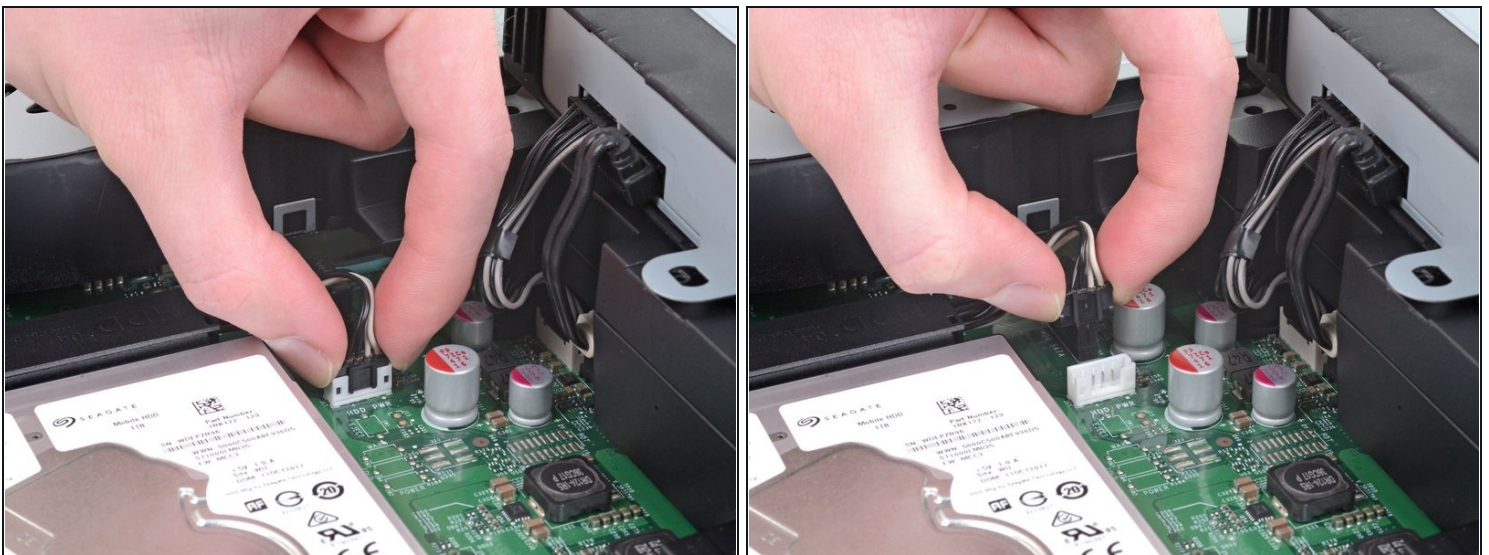
## Step 16 — Move the disc drive



- Flip the console back over, keeping in mind the disc drive is loose.
- Lift the disc drive up so that its metal tab is unhooked from the power supply.
- Flip the disc drive over and place it on the power supply. The disc drive should end up facing the opposite direction it started in.

⚠ The disc drive is plugged into the motherboard. Avoid pulling and bending the cables more than necessary to prevent damage.

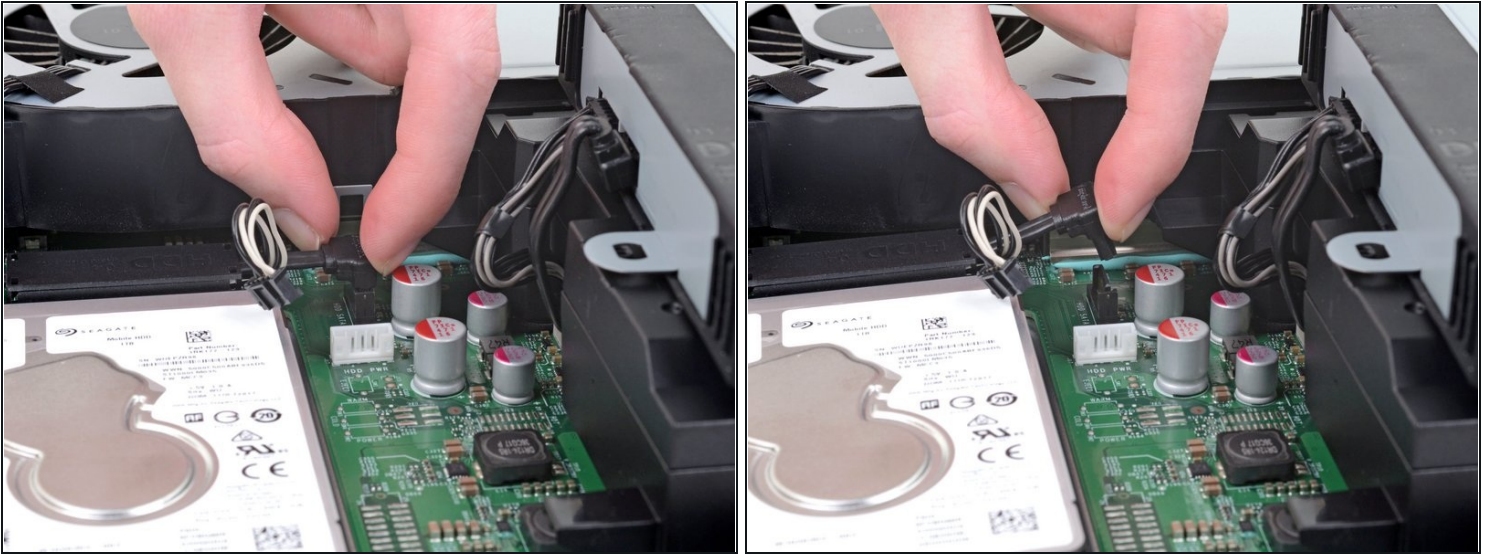
## Step 17 — Unplug the bundled cable connector



- Unplug the bundled cable connector connecting the hard drive to the motherboard by pulling directly upward.

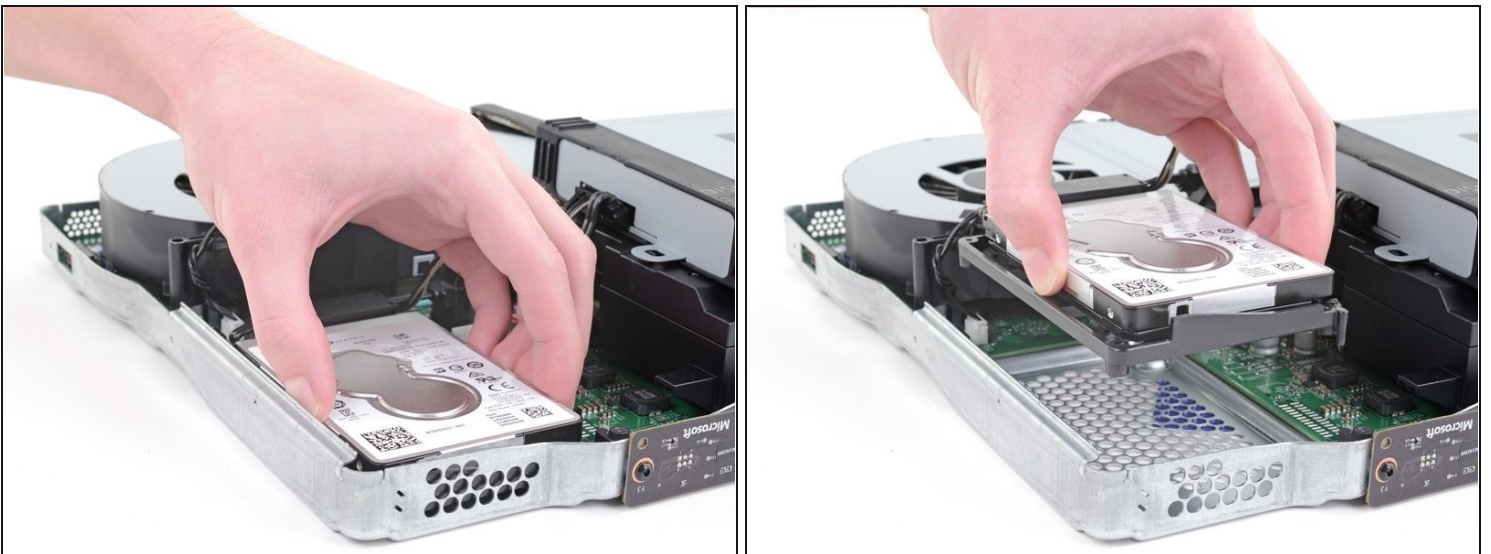


## Step 18 — Unplug the SATA cable



- Unplug the SATA cable connecting the hard drive to the motherboard by pulling directly upward.

## Step 19 — Remove the hard drive



- Lift the hard drive assembly up out of the upper metal case.

⚠ When moving the hard drive, hold it by the sides to prevent damage.



## Step 20 — Remove the mounting bracket



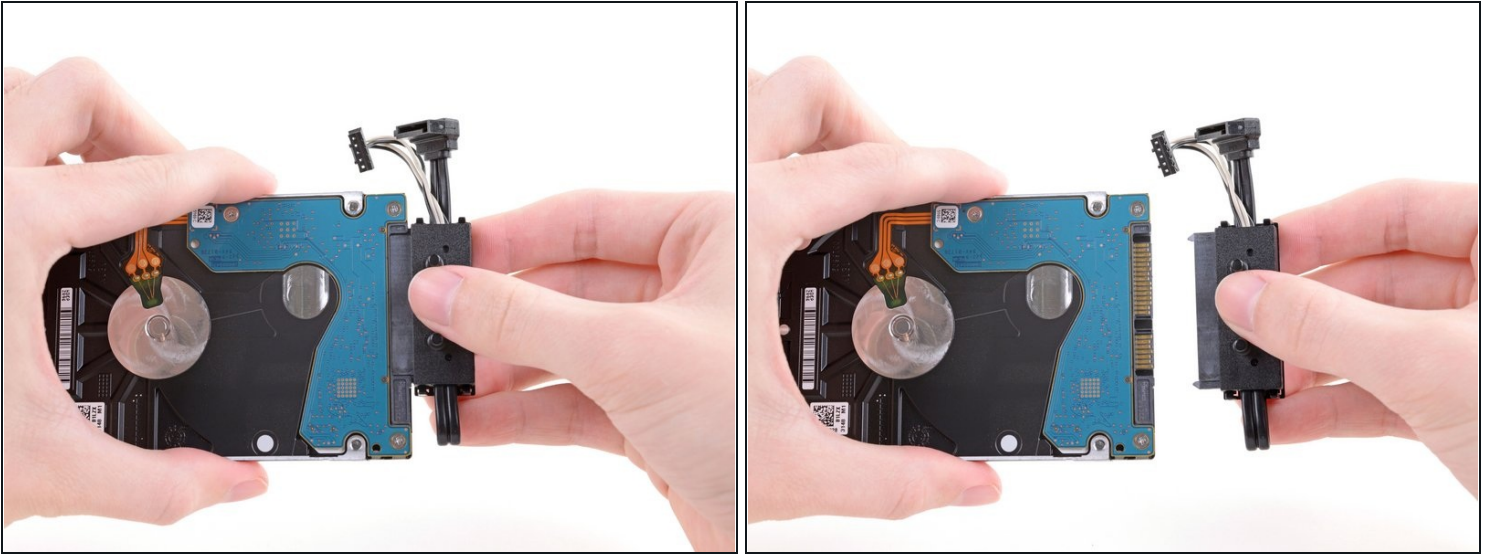
- Flip the hard drive over so that the plastic mounting bracket is facing upward.
- Use a T10 Torx screwdriver to remove the four 8.6 mm screws attaching the hard drive to the mounting bracket.

## Step 21



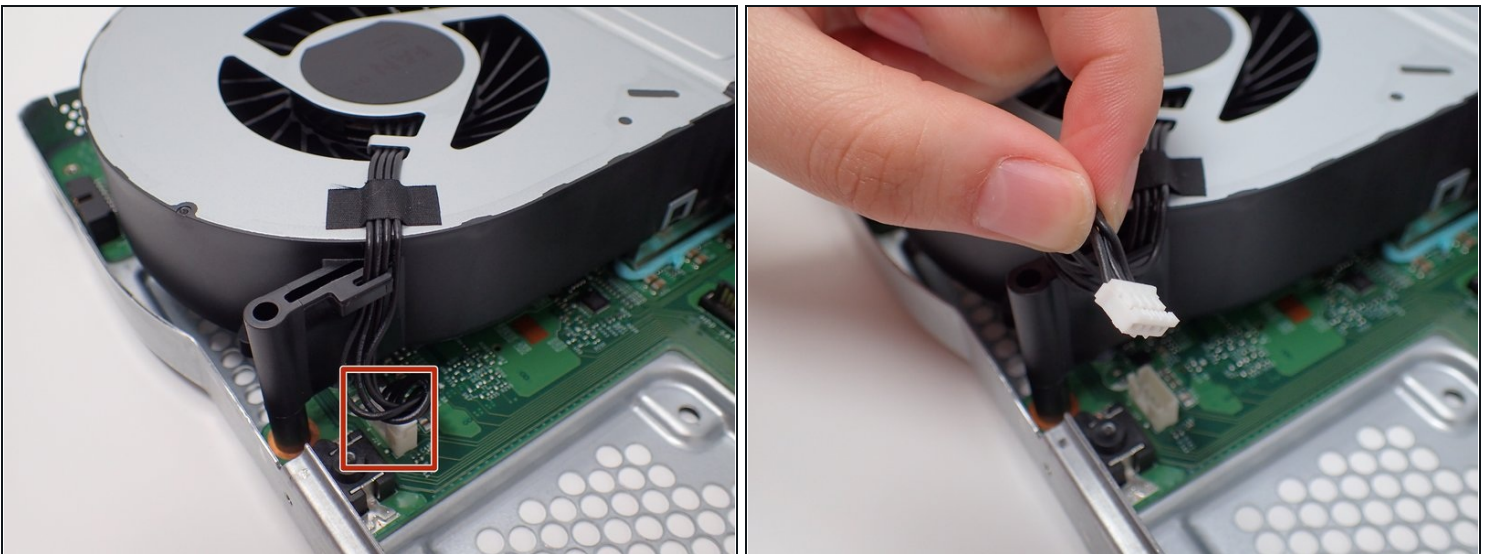
- Lift the mounting bracket off the hard drive.

## Step 22 — Unplug the hard drive connector



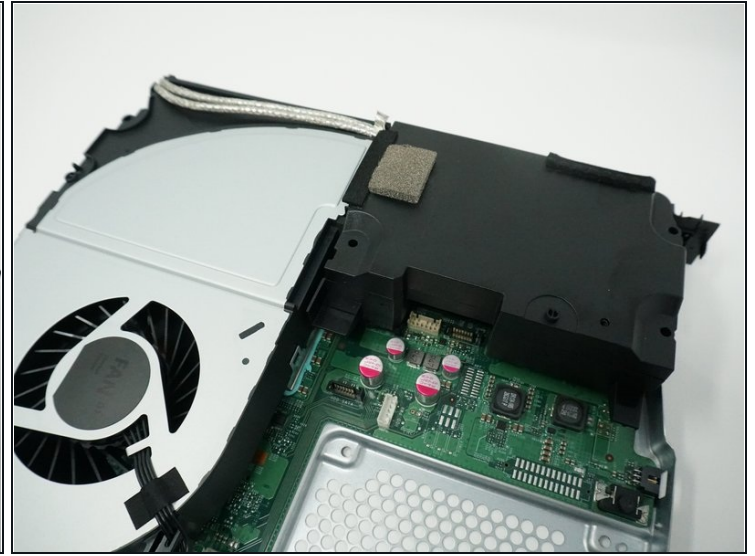
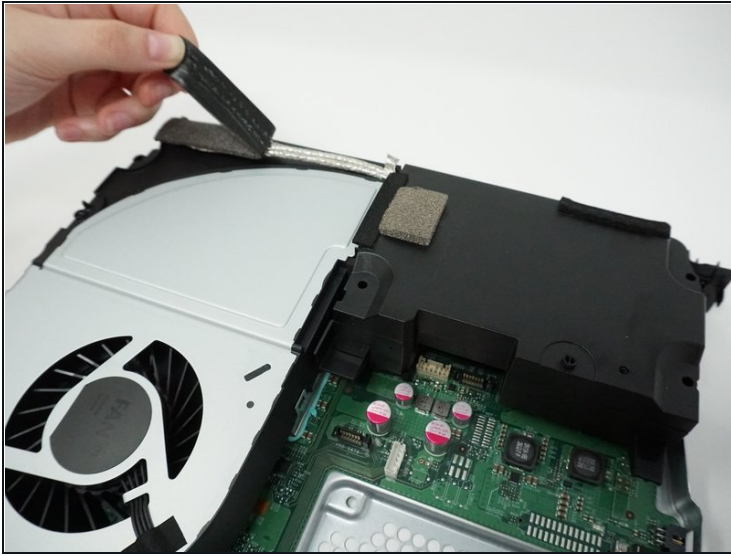
- Unplug the hard drive connector from the hard drive by pulling parallel to the length of the drive.

## Step 23 — Fan



- Disconnect the plastic wire connector from the motherboard.

## Step 24



- Remove the piece of foam by gently peeling it off the cooling system.
- ① After the foam has been removed, its adhesive may not work as well.

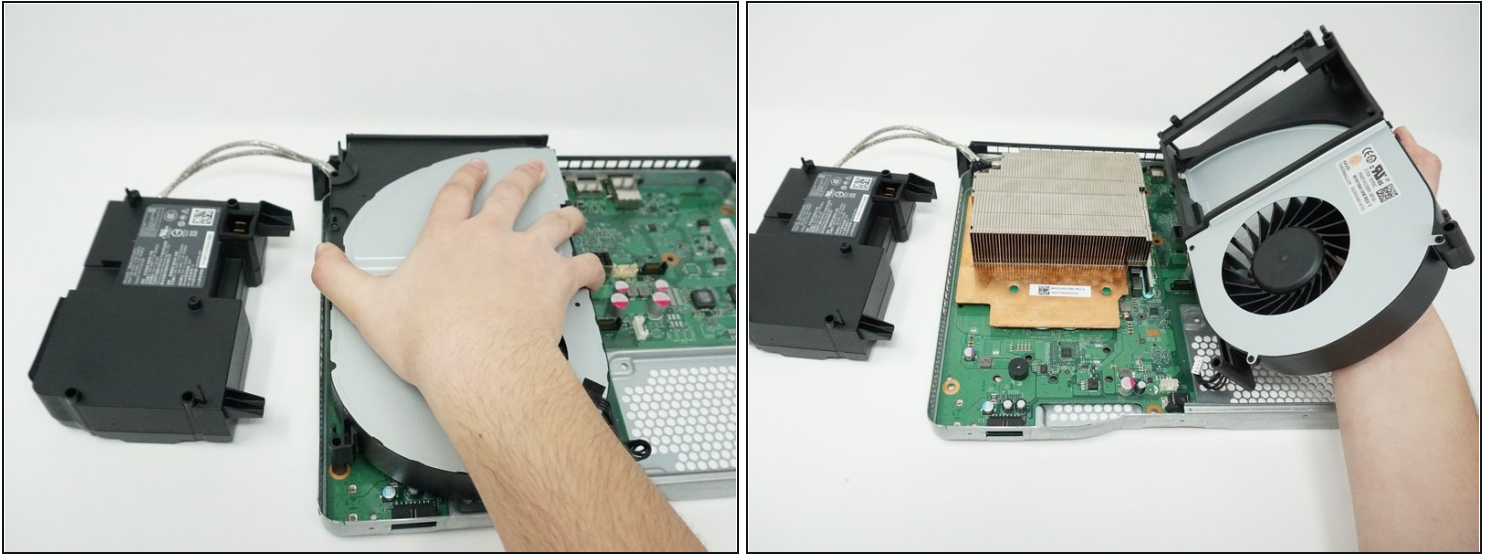
## Step 25



- 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.

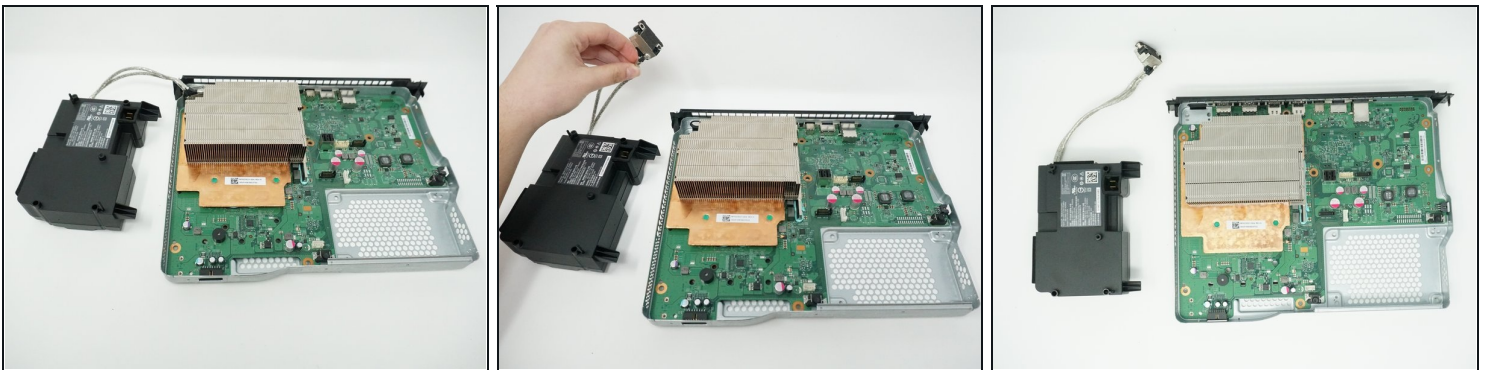


## Step 26



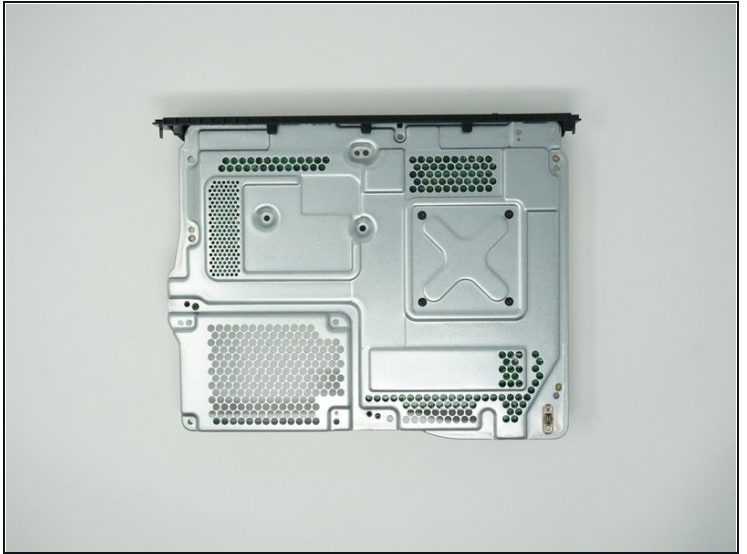
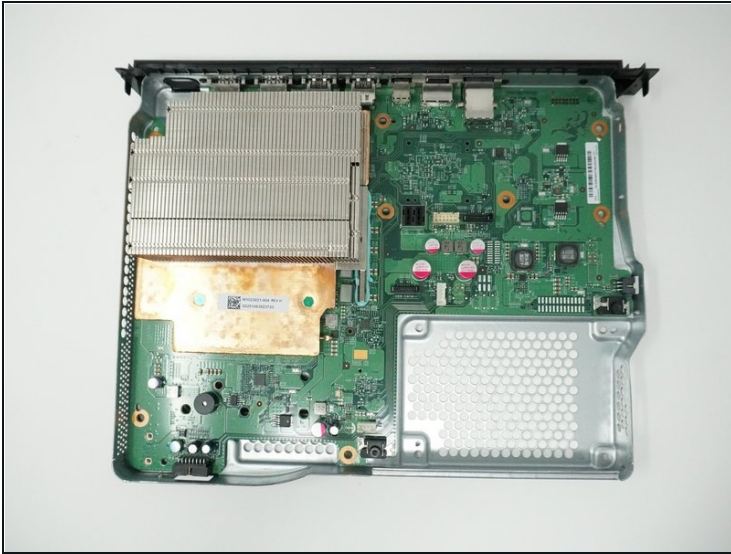
- Remove the cooling system by lifting it vertically off of the motherboard.

## Step 27 — Power Supply



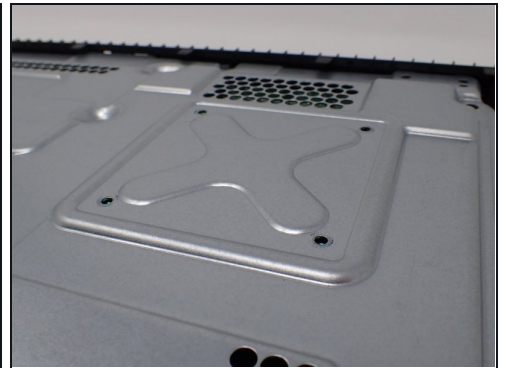
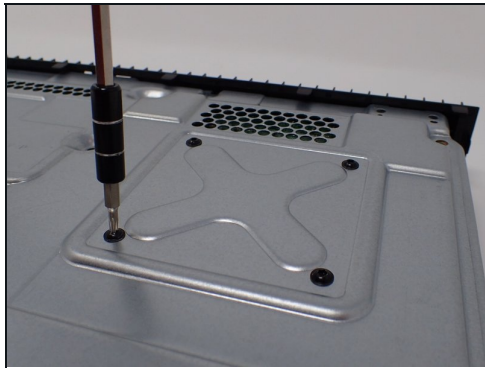
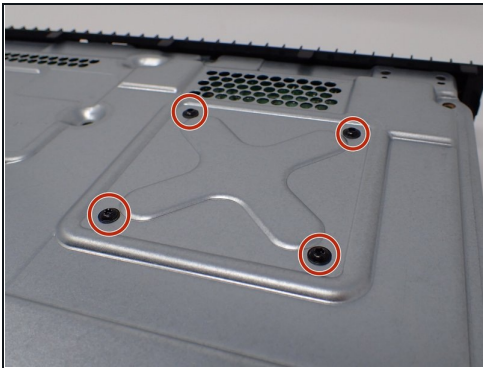
- Lift the metal piece connected to the cord out of the case.

## Step 28 — Heat Sink



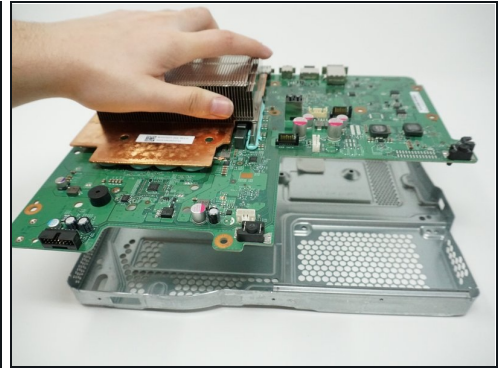
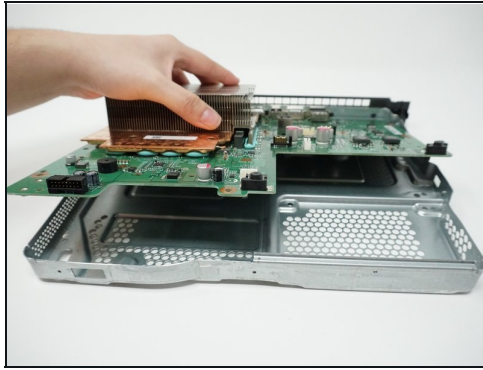
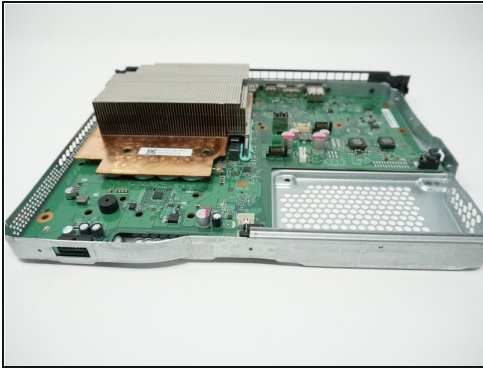
- Flip the device over, so the bottom of the metal casing is facing up.

## Step 29



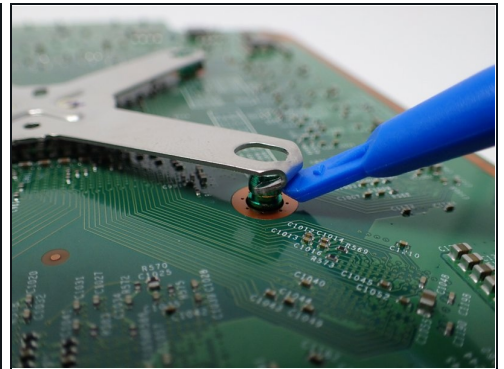
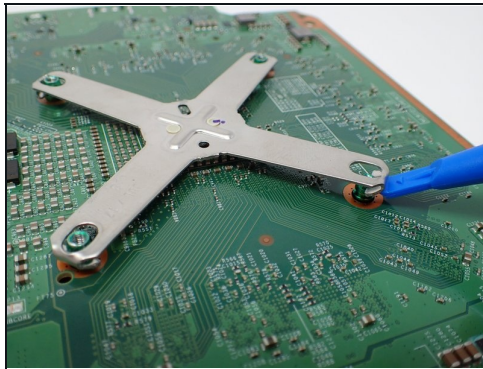
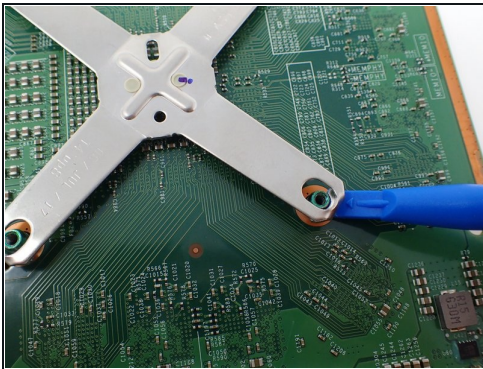
- Using a T9 Torx screwdriver, remove the four 9mm screws that are holding the heat sink to the outer metal casing.

## Step 30



- 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 31



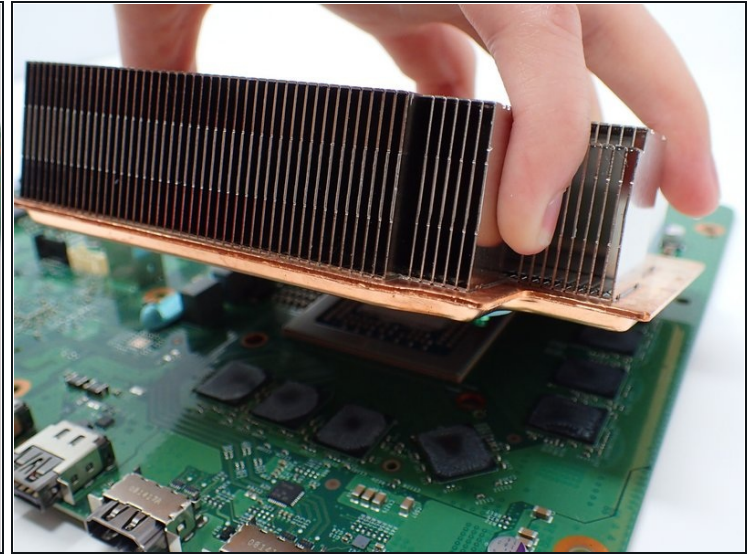
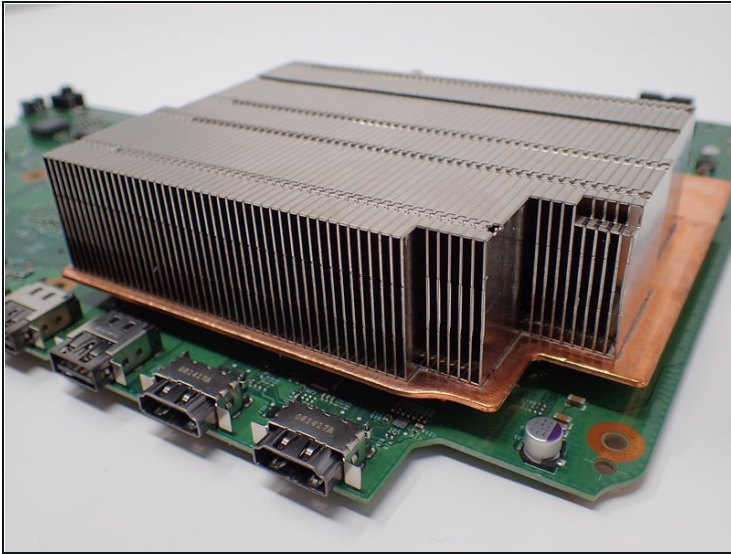
- Flip the motherboard over.
- Using a plastic opening tool, pry the corners of the x-shaped metal piece so that they each detach from the motherboard.

⚠ 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 32



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

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