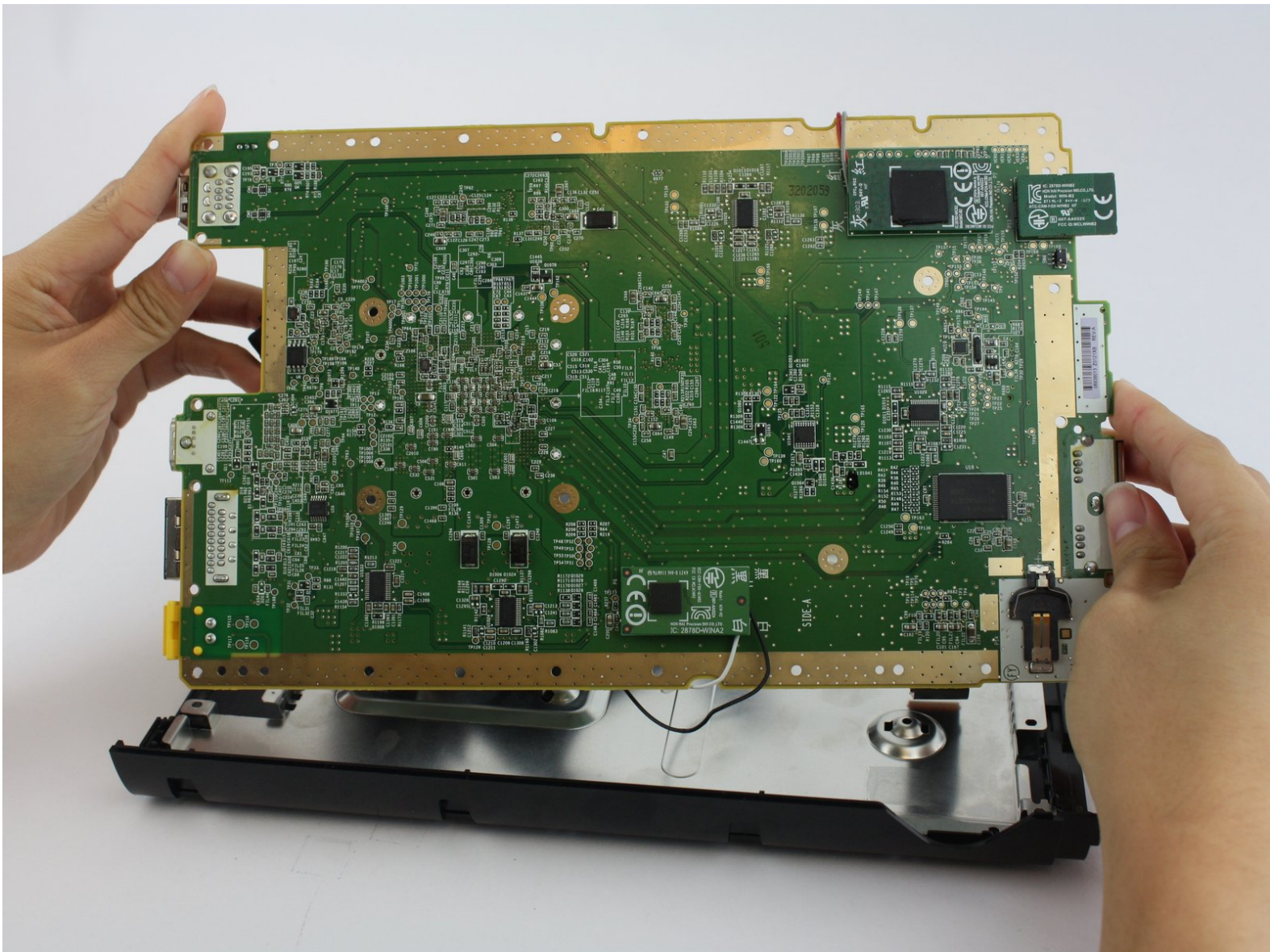




Nintendo Wii U Motherboard Replacement

This guide will walk you through the process of replacing a Wii U console motherboard.

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INTRODUCTION

The motherboard is an essential, key component that gaming consoles revolve around. If troubleshooting does not help your Wii U and you are in need of a motherboard replacement, this guide will easily walk you through the process.



TOOLS:

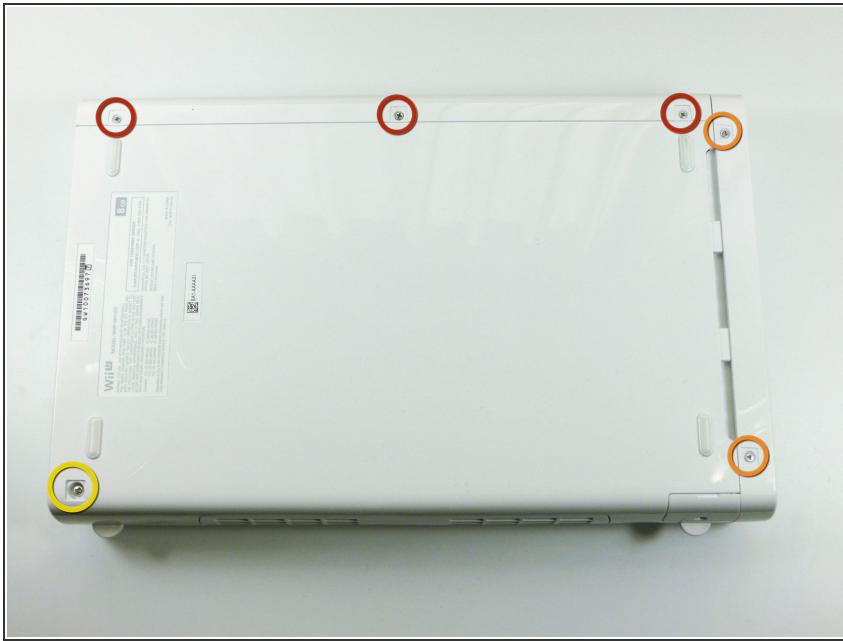
- [Spudger](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Phillips #1 Screwdriver](#) (1)
- [Tri-point Y0 Screwdriver](#) (1)
- [Y1 Tri-point Screwdriver](#) (1)



PARTS:

- [Nintendo Wii U Faceplate](#) (1)
- [Nintendo Wii U Motherboard & Paired Optical Drive](#) (1)
- [Nintendo Wii U Heat Sink](#) (1)

Step 1 — Console Outer Case



- With the bottom of the console facing up, remove the following 6 screws hidden underneath the white square stickers:
 - Three 5.1mm Phillips #000 screws
 - Two 6.1mm Tri-wing Y0 screws
 - One 13.2mm Tri-wing Y1 screw

Step 2



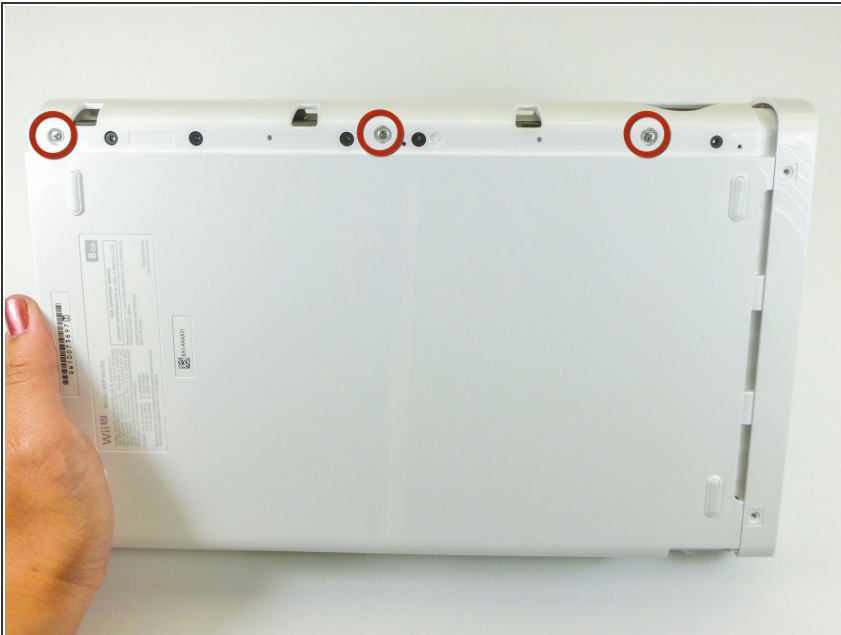
- Rotate the console 180 degrees so that the exhaust vents are facing you.
- Remove the two 7.1mm Phillips #00 screws.

Step 3



- On the side opposite of the exhaust vents, slide the cover faceplate towards the back of the console and pull upwards to release it.

Step 4



- On the bottom of the console beneath the previously removed faceplate, remove the three 13.2mm Tri-wing Y1 screws.

Step 5



- On the back of the console, lift up and release the main top cover.

Step 6 — Front Faceplate



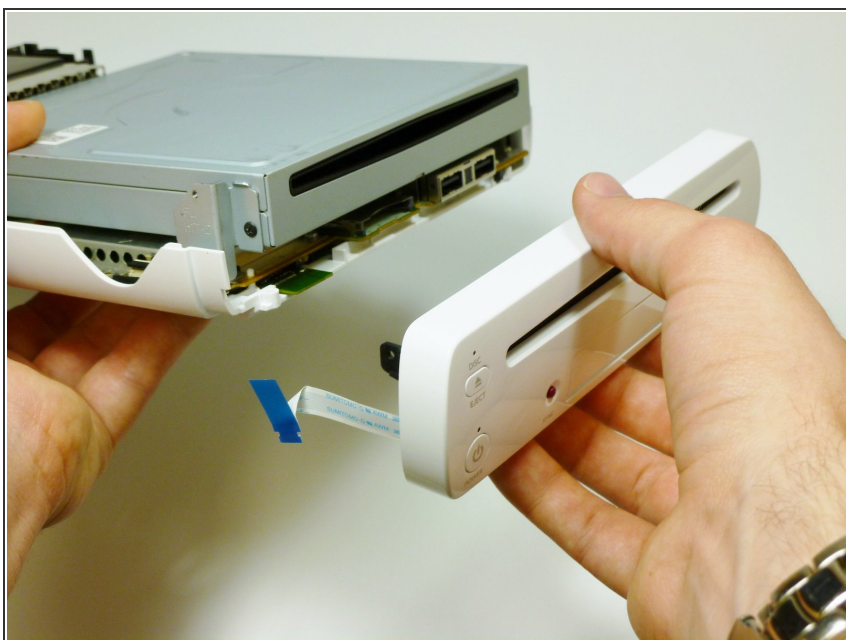
- Rotate the device so that the front plate is facing you.
- On each side of the console, remove the 3.5mm Phillips #0 screw connecting the DVD drive to the faceplate.

Step 7



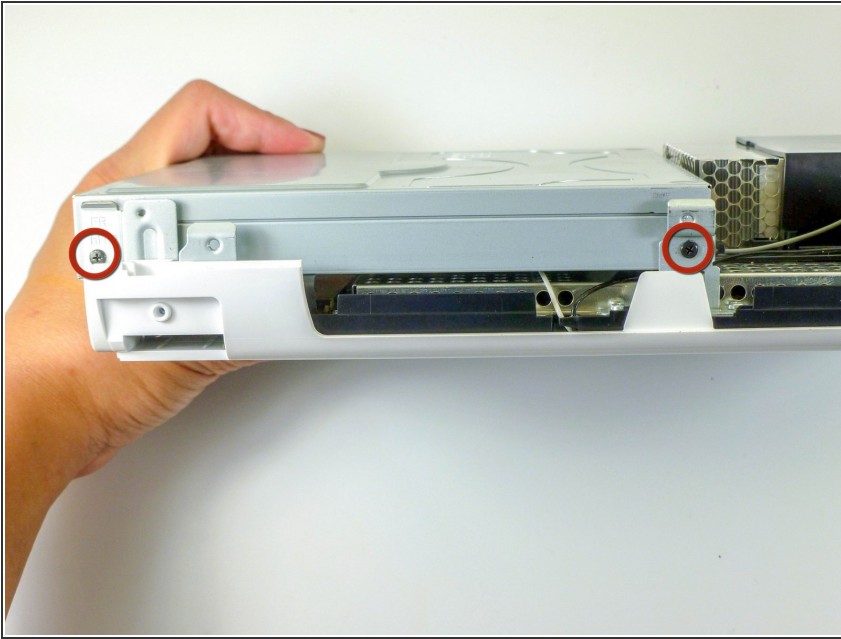
- Rotate the device so that the front plate is on the right side and the ribbon cable is visible.
- Lift up on the blue tab to release the ribbon cable.

Step 8



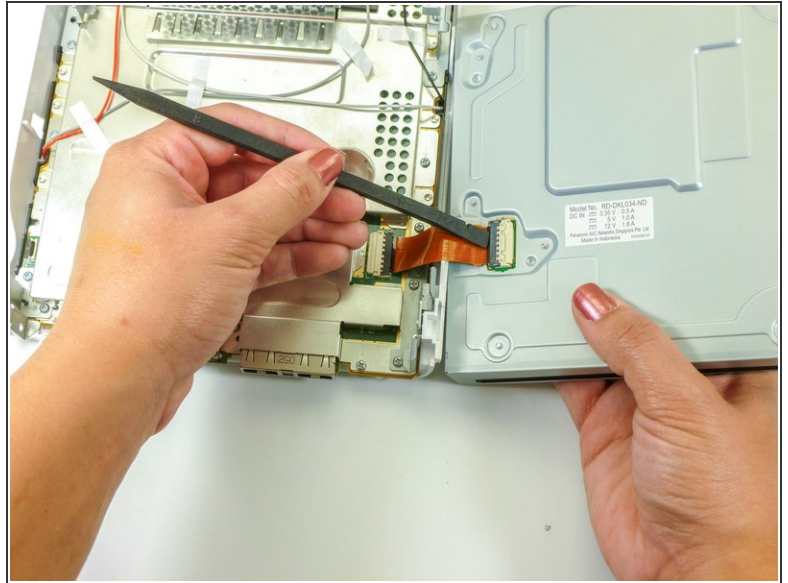
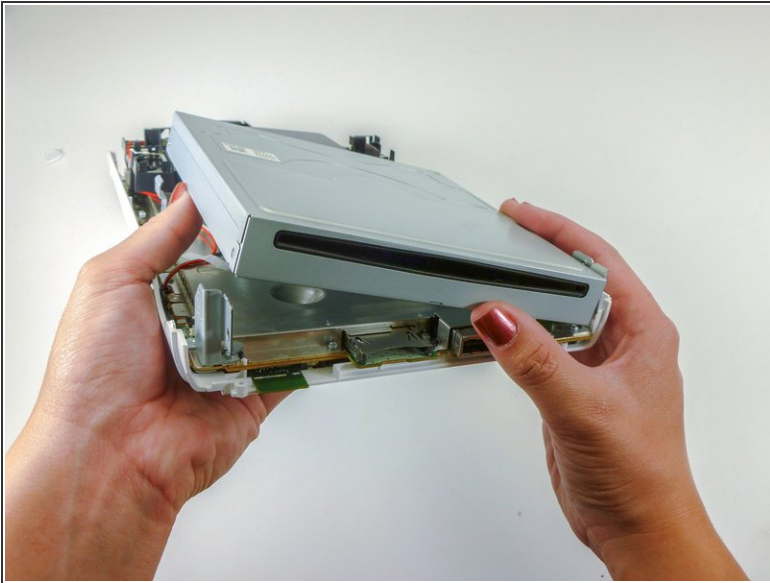
- Remove the front faceplate.

Step 9 — DVD Drive




- On each side of the DVD drive, remove the two 4.6mm Phillips #0 mounting screws.

Step 10

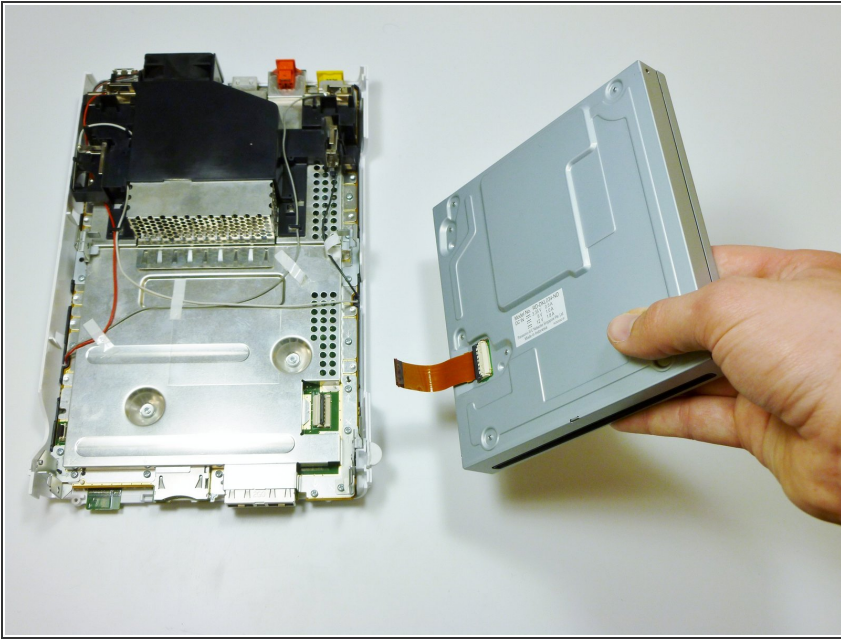


- Rotate the device so that the DVD slot is visible.

 A ribbon cable is attached to the bottom right side of the DVD drive. The ribbon cable can rip if it isn't removed properly.

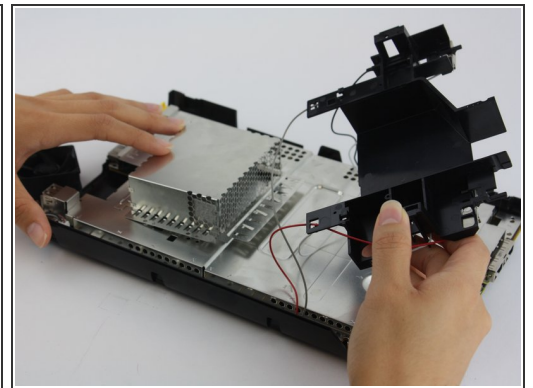
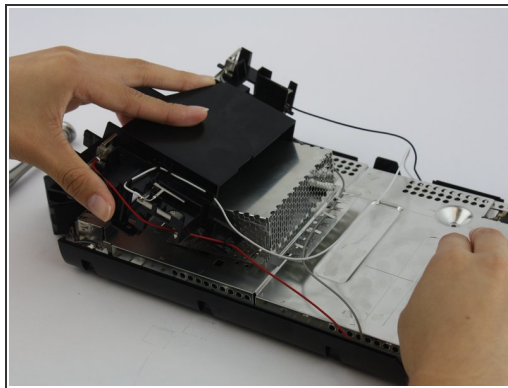
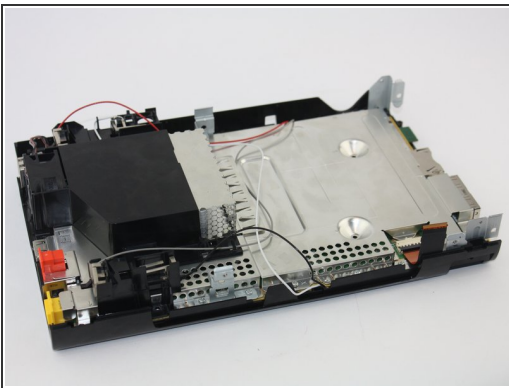
- Lift the DVD drive out of the mount and turn over to the right so it lies like a book.
- Use a spudger to release the ribbon cable.

Step 11



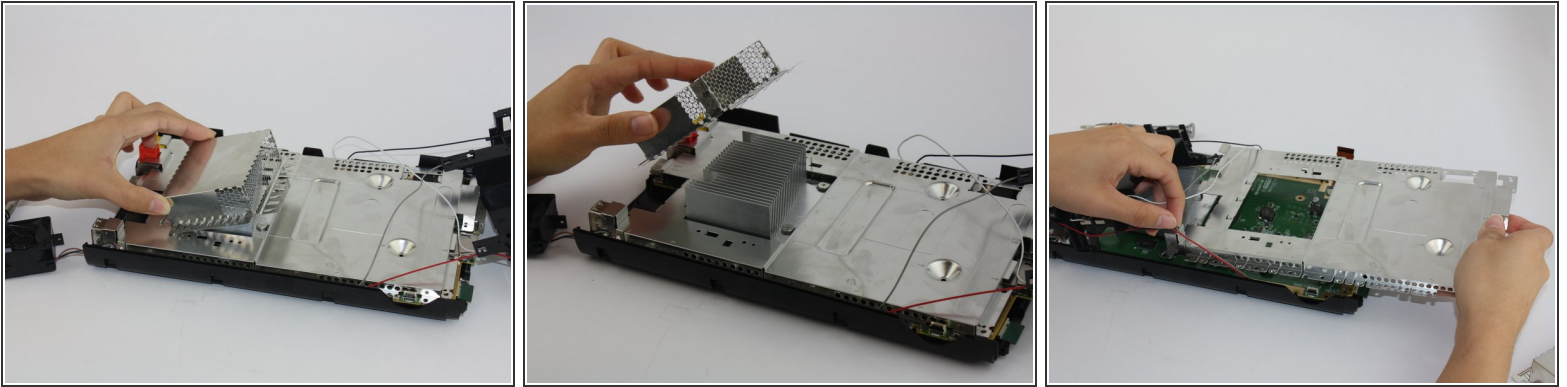
- Remove the CD drive.

Step 12 — Motherboard



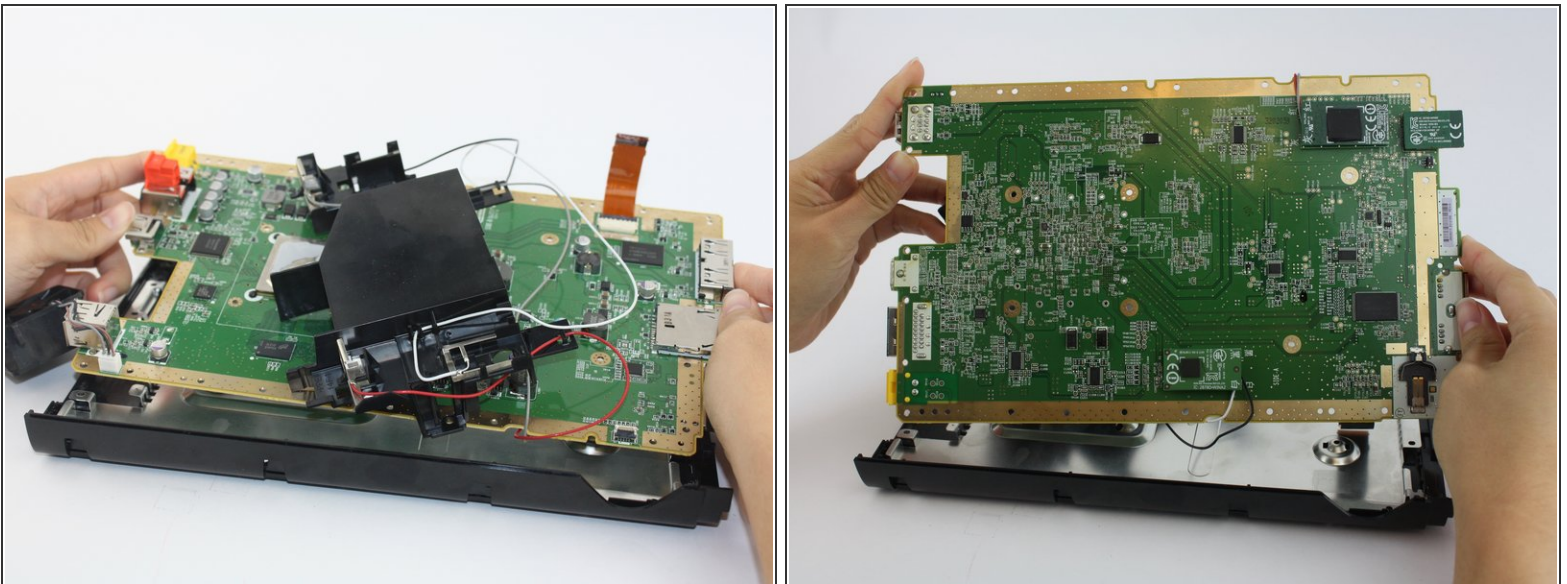
- Remove the black plastic shielding by unscrewing connecting screws with a Phillip's Head screwdriver.
- ⓘ You will have to carefully adjust the antenna cables out of the way in order to proceed comfortably.

Step 13



- The metal cap does not require unscrewing and should lift up with ease.
- Unscrew all the screws that outline the perimeter of the board using a Phillips Head (PH1) screwdriver.
- Remove the silver shielding plate once all screws are removed. Be careful when pulling it under the affixed antenna cables.

Step 14



- At this point, the motherboard should easily separate from the lower tray.

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