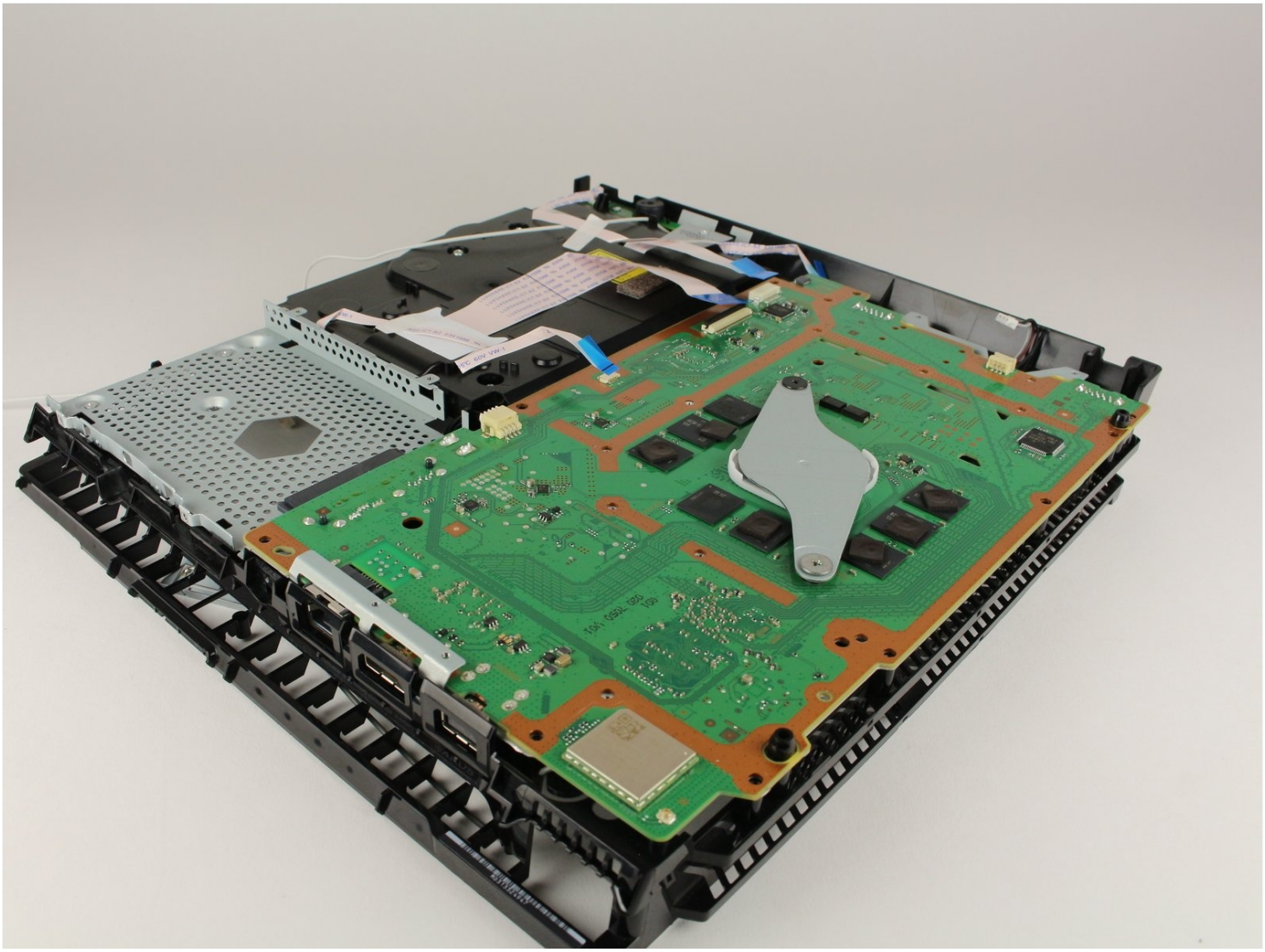
PlayStation 4 Slim Motherboard Replacement

Use this guide to remove and replace your PS4...

Written By: Harry Koos



INTRODUCTION

Use this guide to remove and replace your PS4 Slim's motherboard.

TOOLS:

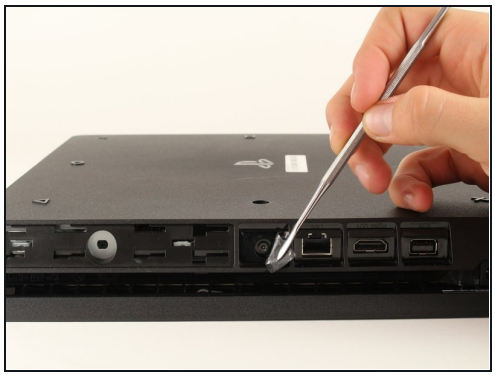
TR8 Torx Security Screwdriver (1)
iFixit Opening Tool (1)
Metal Spudger (1)
Phillips #1 Screwdriver (1)
Tweezers (1)

PARTS:

PlayStation 4 Slim (CUH-20xx) Motherboard (SAD-00x) (1)
PlayStation 4 Slim (CUH-21xx) Motherboard (SAE-00x) (1)
PlayStation 4 Slim (CUH-21xx) Motherboard (SAF-00x) (1)

Step 1 — Bottom Cover





- Locate the plastic warranty sticker next to the three ports on the side of the console.
- Remove the warranty sticker by peeling it off with any kind of spudger.

⚠ Removing the warranty sticker will NOT cause your warranty to be null and void.

Step 2

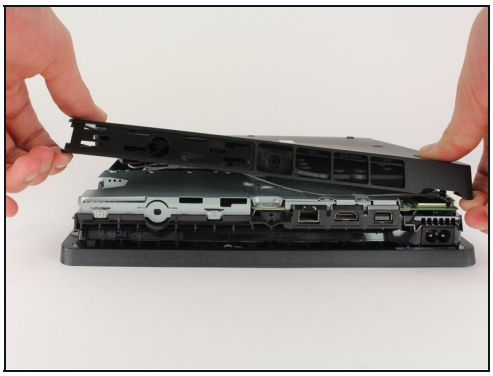


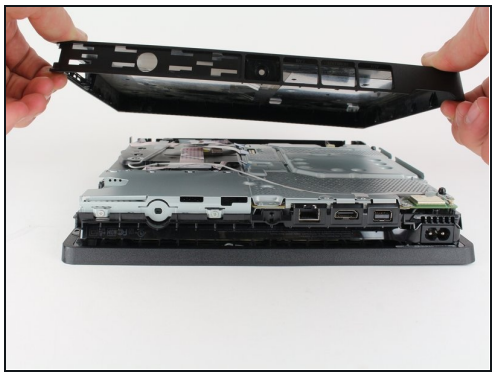


- Unscrew and remove the 5.0mm screw that was behind the sticker using a T8 security Torx screwdriver with a counter-clockwise motion.

Step 3







- Place the Playstation 4 Slim upside down with the side of the screw you just removed facing you.
- Pry up on the two corners that are facing you with your fingers.

ⓘ This may take a bit of force to open up and you will hear a fairly loud click when the bottom cover detaches.

- Remove the bottom cover by sliding it towards the back corners and lifting up.

Step 4 — Power Supply



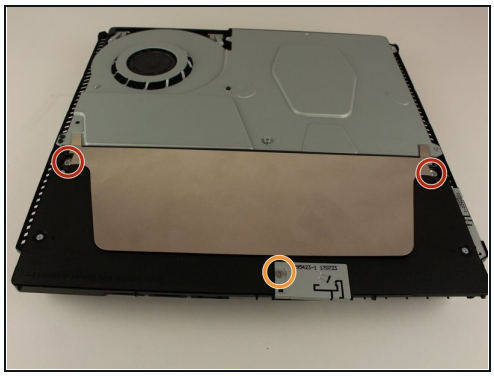
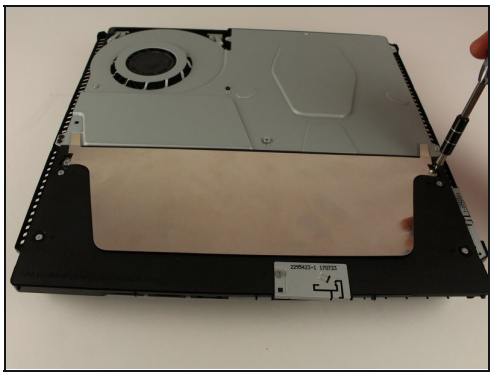
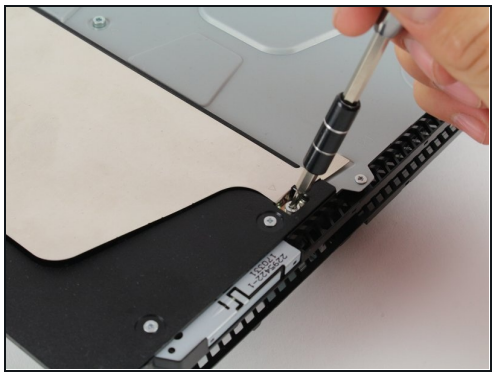


- Place the Playstation 4 Slim right side up, with the PS logo on top and the side with the words "SONY" and "PS4" facing you.
- Pry up on the two corners that are facing you with your fingers.

ⓘ This may take a bit of force to open and you will hear a fairly loud click when the top cover detaches.

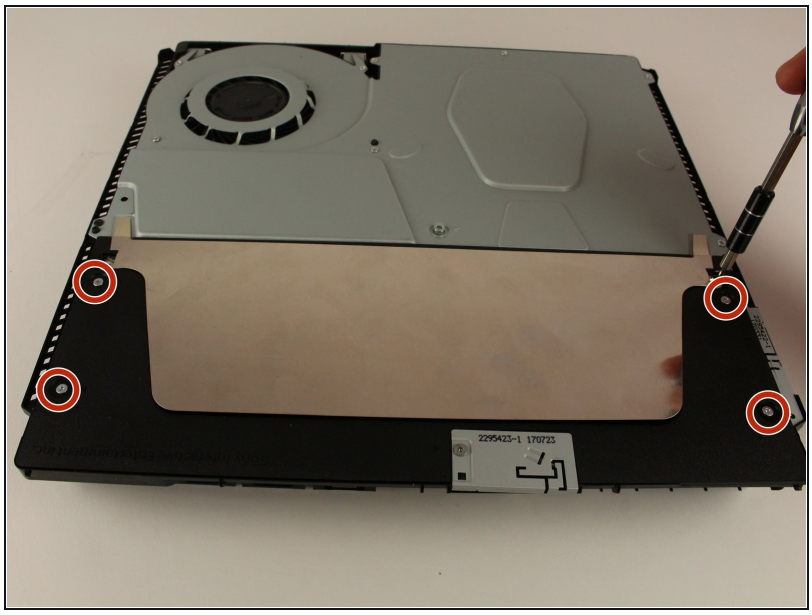
- Remove the top cover by sliding it towards the back corners and lifting up.

Step 5

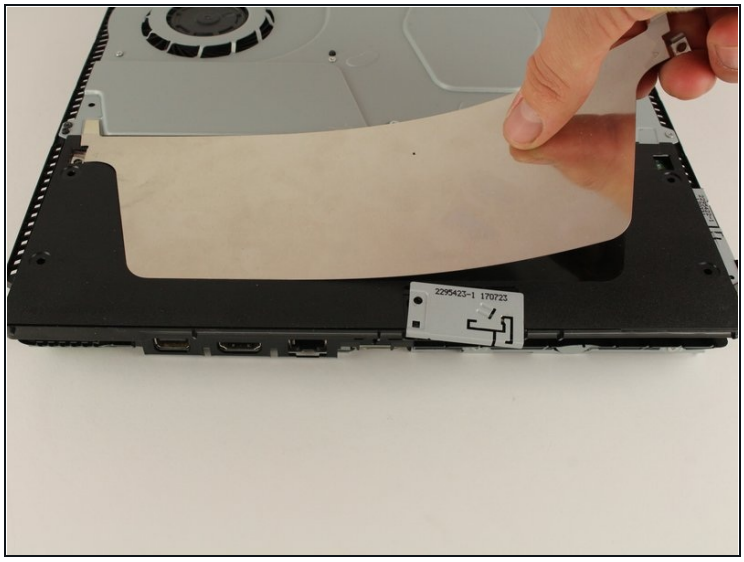
- Unscrew and remove the two screws (left one 31.0mm and right one 24.0mm) using a T8 screwdriver with a counter-clockwise motion.
- Unscrew and remove the 3.0mm screw using a Phillips #1 screwdriver with a counter-clockwise motion.

Step 6



- Remove the four 16mm Philips screws holding the power supply in place.

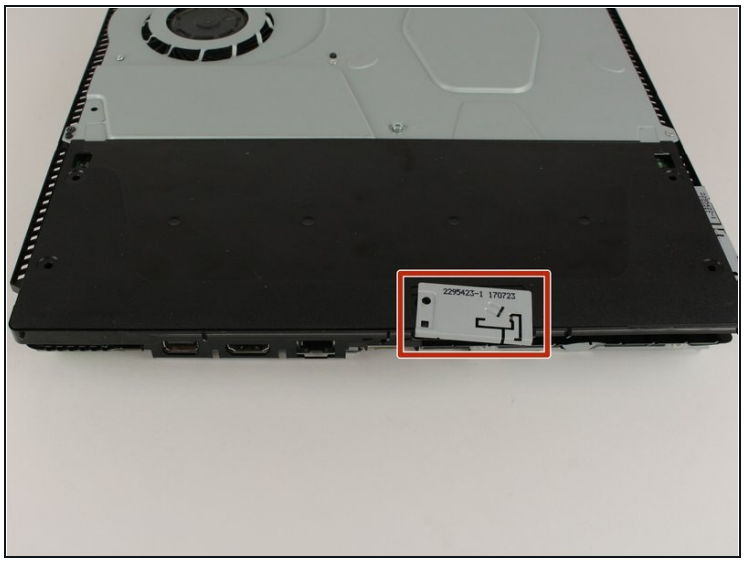
Step 7

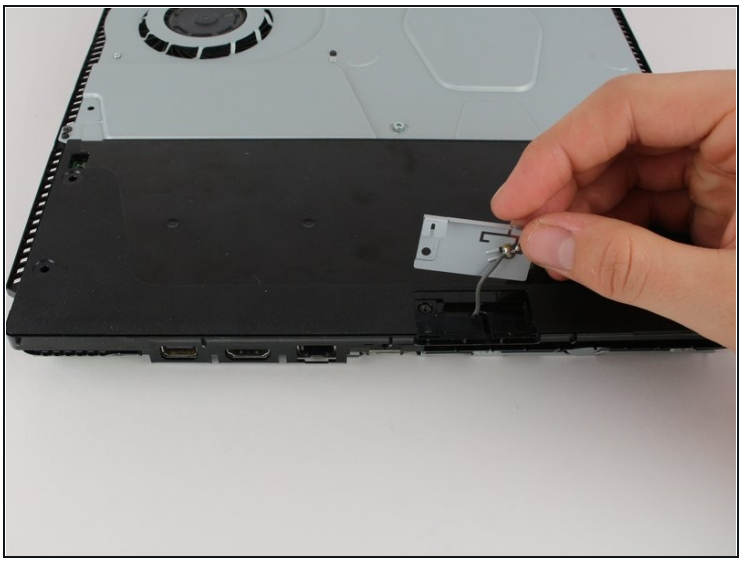




- Remove the metal sheet from the top of the power supply by grabbing and lifting up with your hands.

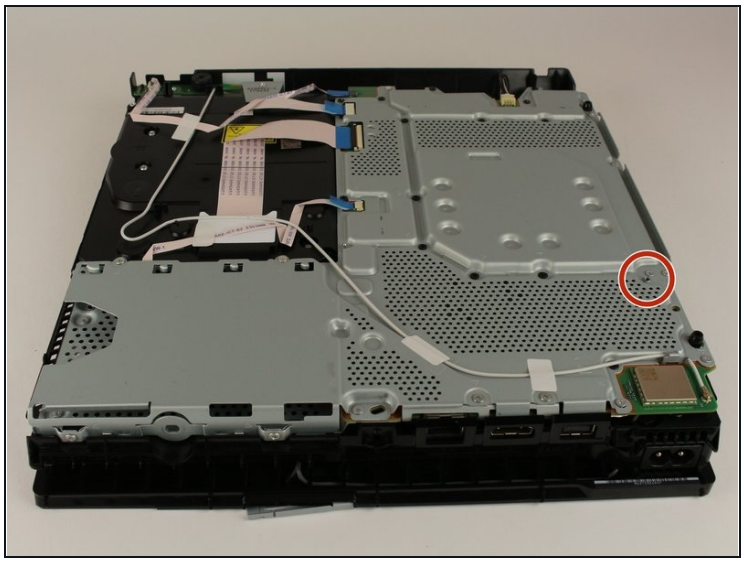
Step 8

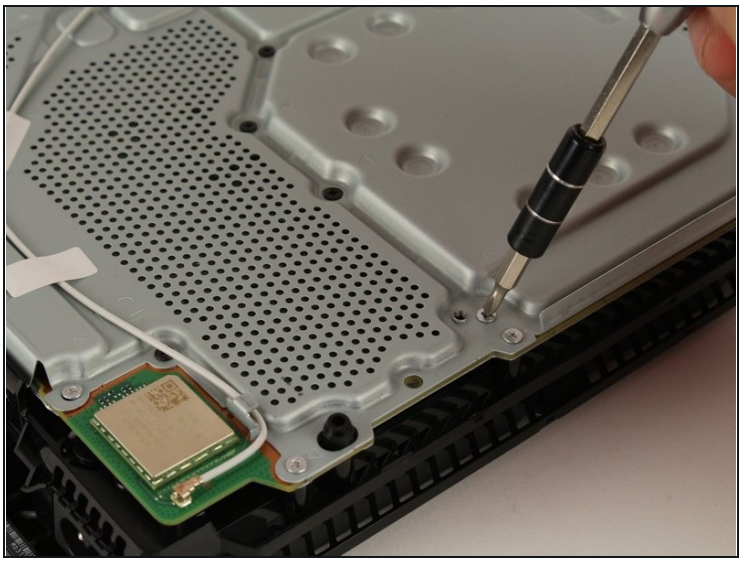




- Remove the antenna from the top of the power supply by guiding the wire with your fingers through the groves underneath the metal panel.

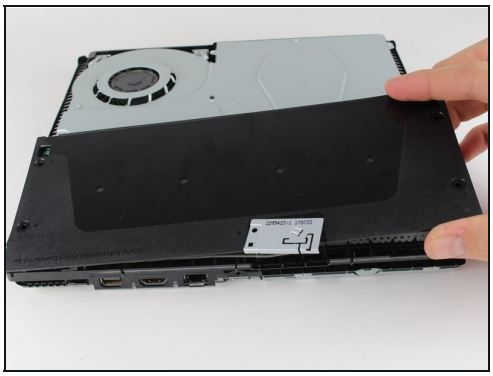
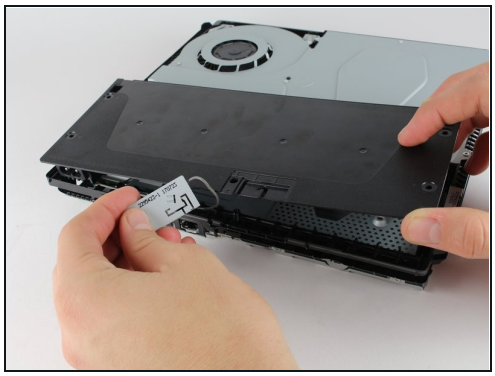
Step 9





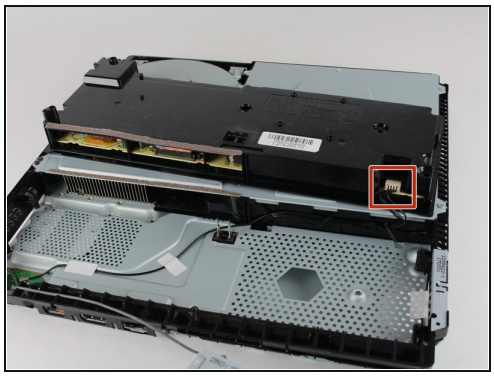
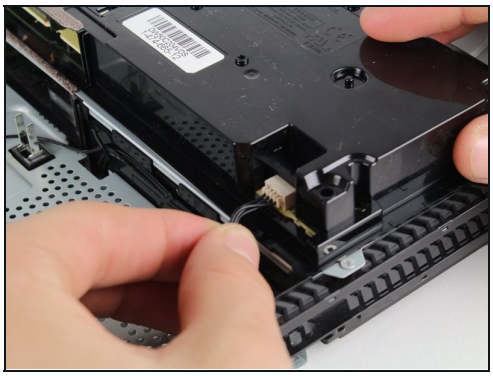
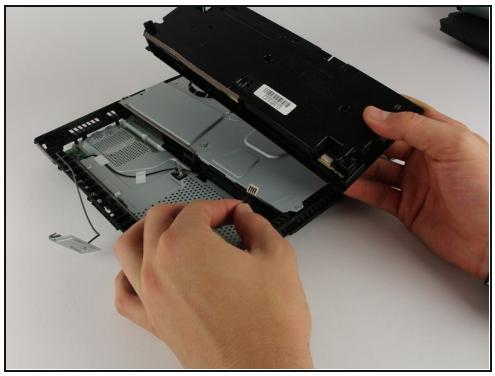
- Flip the Playstation 4 Slim onto its back.
- Unscrew and remove the 4.0mm screw using a Phillips #1 screwdriver with a counter-clockwise motion.

Step 10

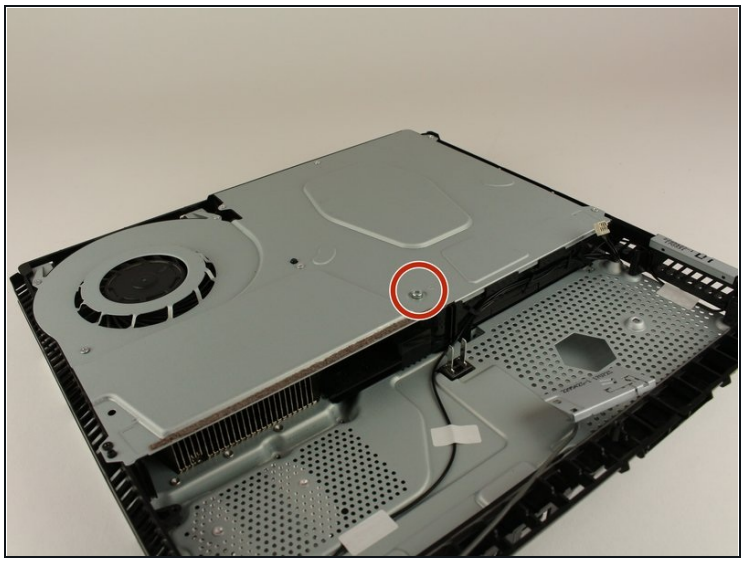
- Use a plastic opening tool to make space between the power supply and console by wedging and wiggling it in-between the two.
- Lift the power supply up and onto its back on the metal sheet using your hands.

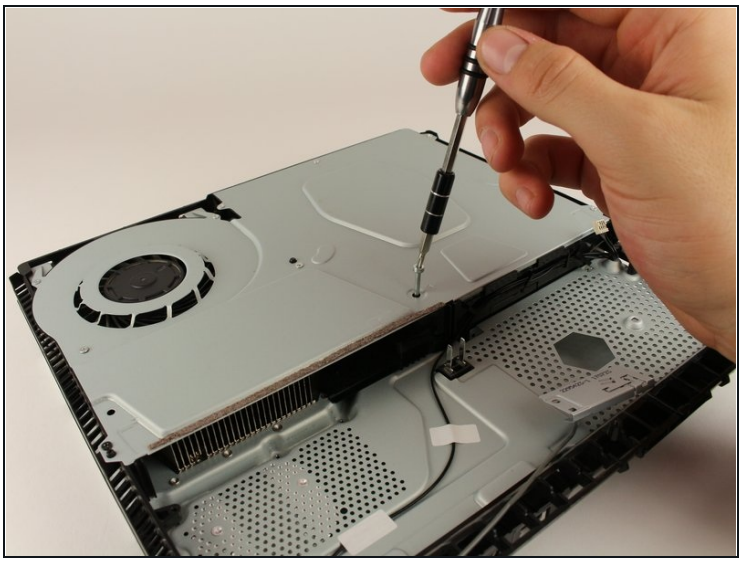
Step 11

- Disconnect the wire connection from the power supply by firmly gripping it with your fingers or tweezers and pulling out.
- Remove the power supply completely by grabbing and lifting up with your hands.

Step 12 — Motherboard

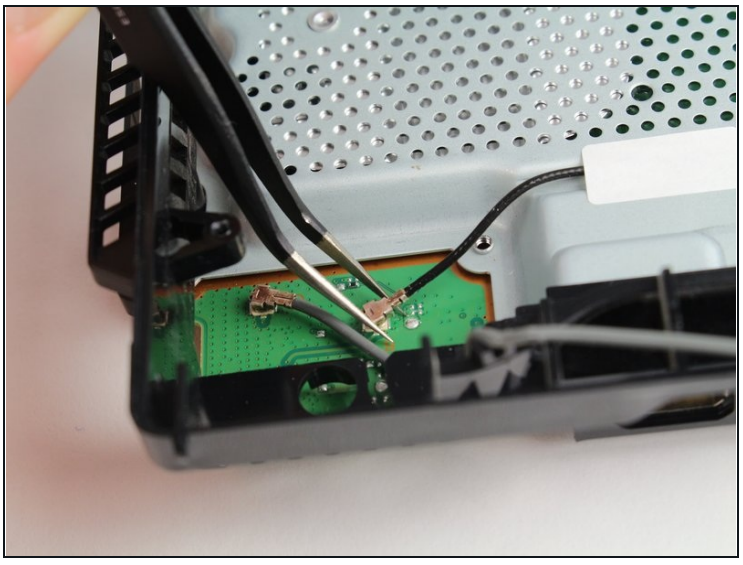




- Unscrew and remove the 31.0mm safety screw using a T8 screwdriver with a counter-clockwise motion.

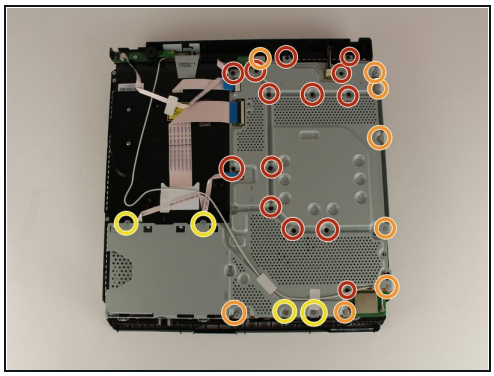
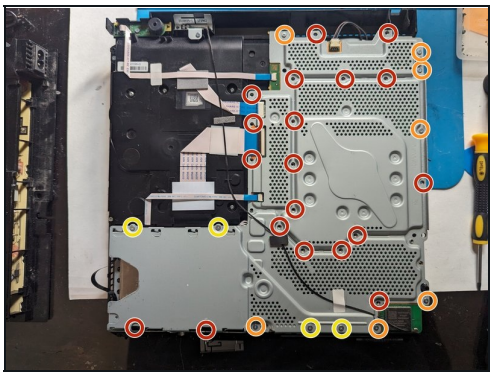
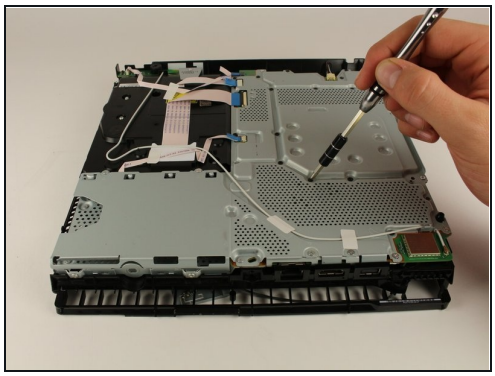
Step 13





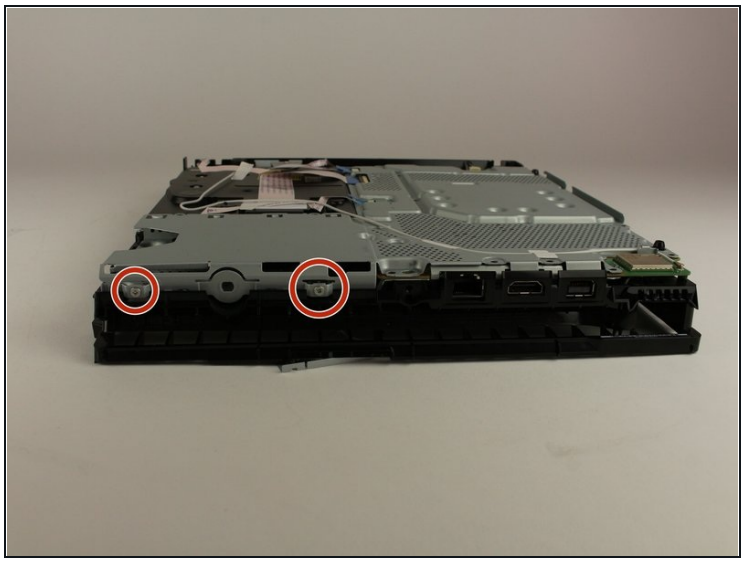
- Locate the two wires connected to the bottom of the motherboard.
- Remove the wires by firmly grasping the metal connections with your fingers or tweezers and pulling up until they disconnect.

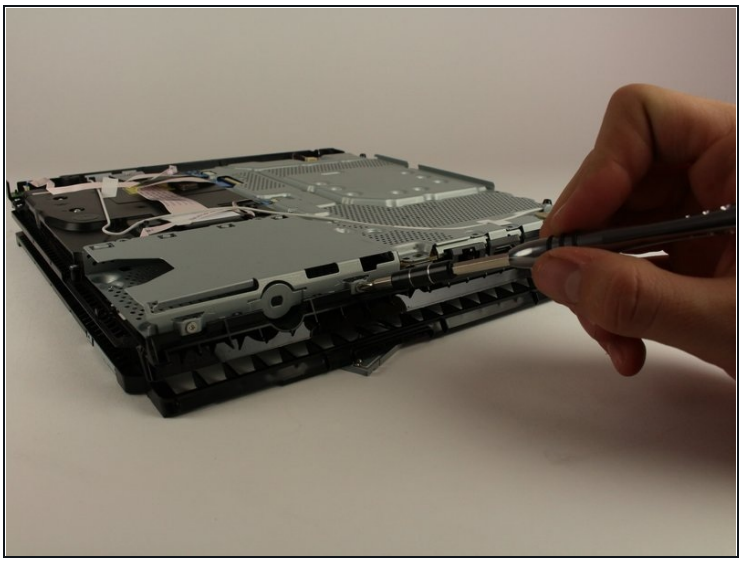
Step 14

- Flip the device to the backside.
- Unscrew and remove 14x (19x for CUH-21xx) 4.0mm black screws using a Phillips #1 screwdriver with a counter-clockwise motion.
- Unscrew and remove 8x (7x for CUH-21xx) 6.0mm silver screws using a Phillips #1 screwdriver with a counter-clockwise motion.
- Unscrew and remove 4x 3.0mm silver screws using a Phillips #1 screwdriver with a counter-clockwise motion.

Step 15



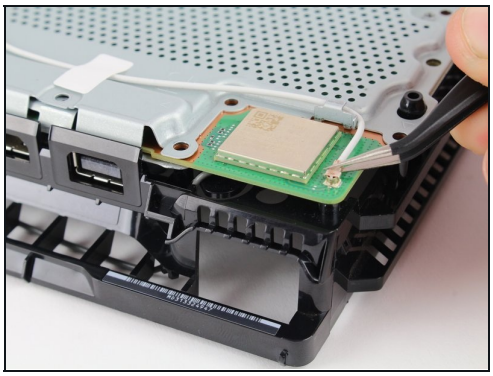


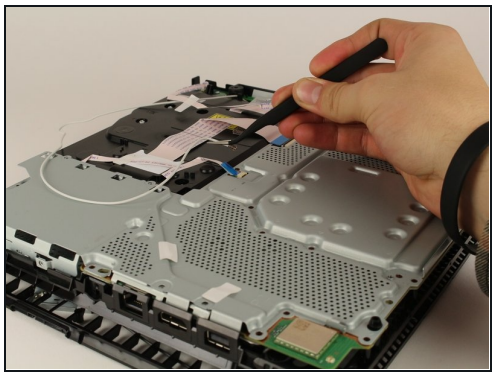
- Unscrew and remove the two 5.0mm screws on the side of the console using a Phillips #1 screwdriver with a counter-clockwise motion.

⚠ Skip this step for the CUH-21xx, as those screws were removed in the previous step.

Step 16

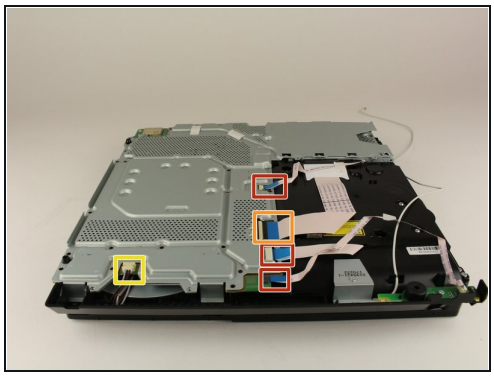
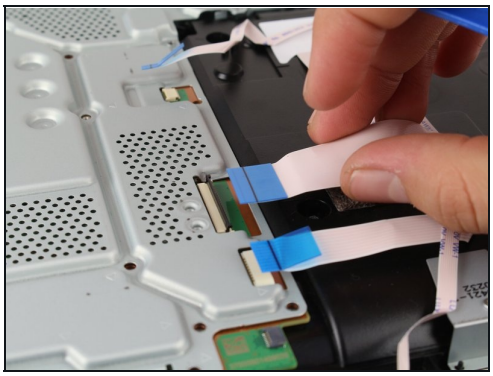
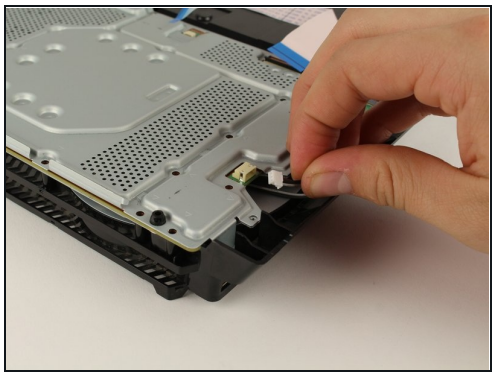






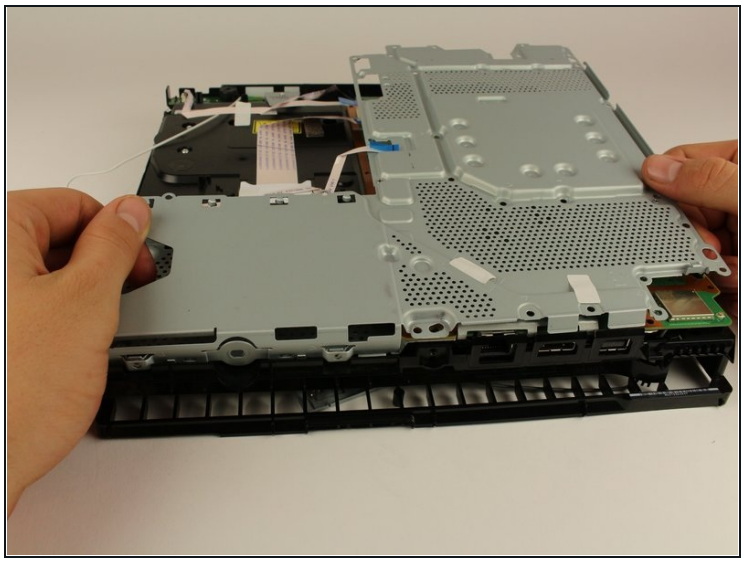
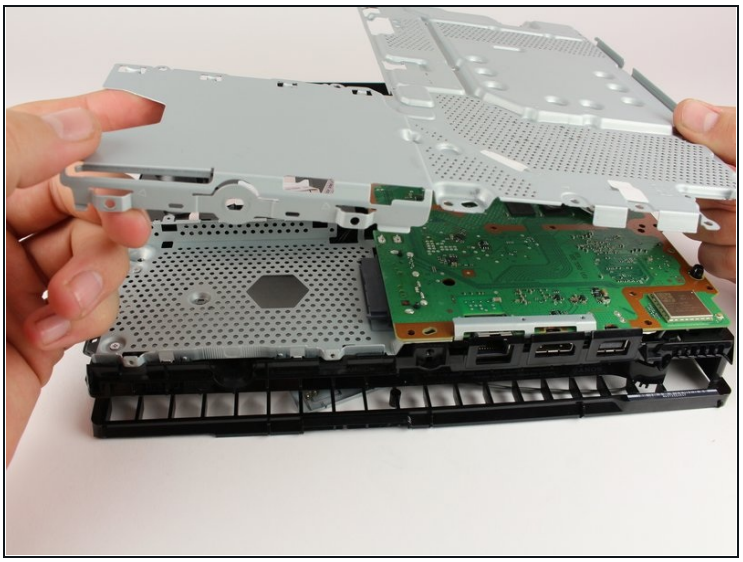
- Locate the white wire connected to the corner of the top of the motherboard.
- Disconnect the wire by firmly grasping the metal connection with your fingers or tweezers and pulling up until it detaches.
- Unthread the wire from the tape and move it off to the side using tweezers or your fingers.

Step 17

- Remove the connections by pulling out on the blue tabs with your fingers.
- Flip up the black clip on the largest tab with your finger before removing it.
- Remove this wire connection by firmly gripping the wire with your fingers and pulling it out.

Step 18

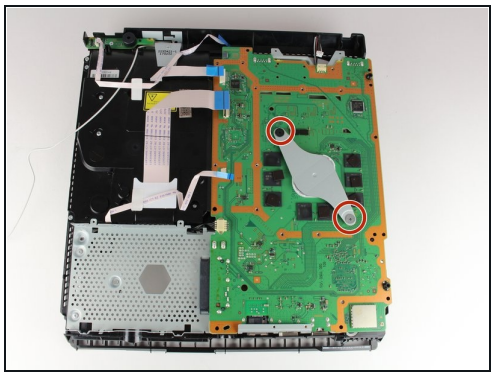
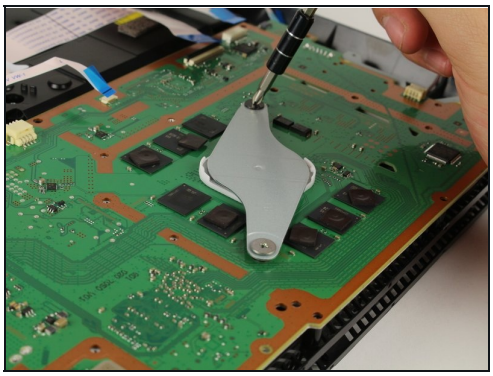
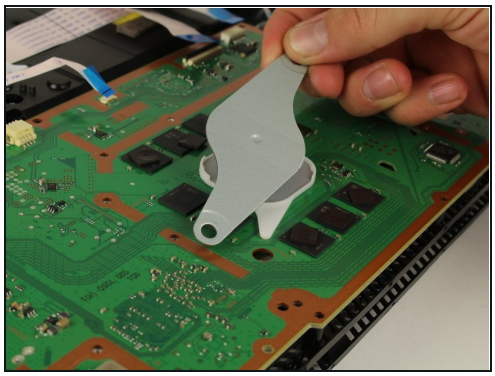



- Remove the metal plate by grabbing two sides of the plate and lifting up and away from yourself.

ⓘ You may need to wiggle the plate a bit to get it loose before you lift it out.

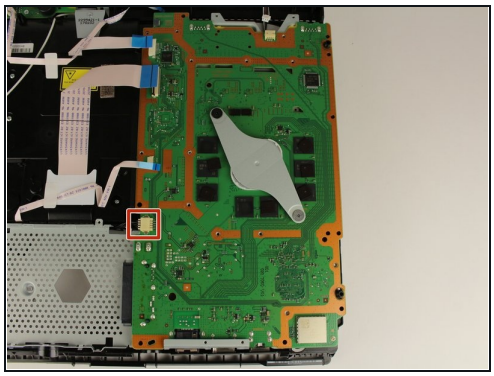
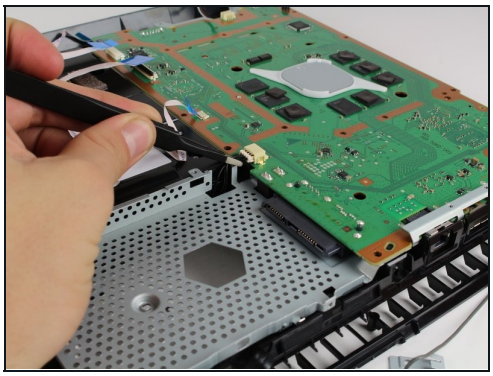
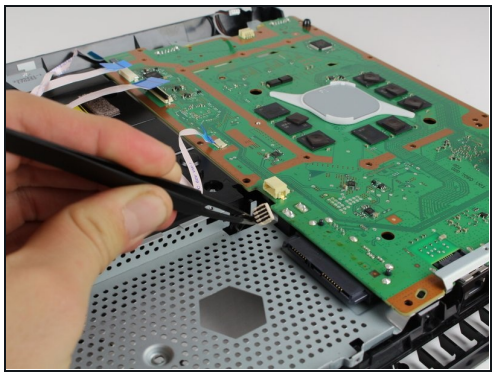
⚠ Do not lose any of the black pads attached to the motherboard while performing this step.

Step 19

- Unscrew and remove the two 10.0mm screws (one silver and one black) using a Phillips #1 screwdriver with a counter-clockwise motion.
- Remove the small metal plate by grabbing it with your fingers and lifting up.

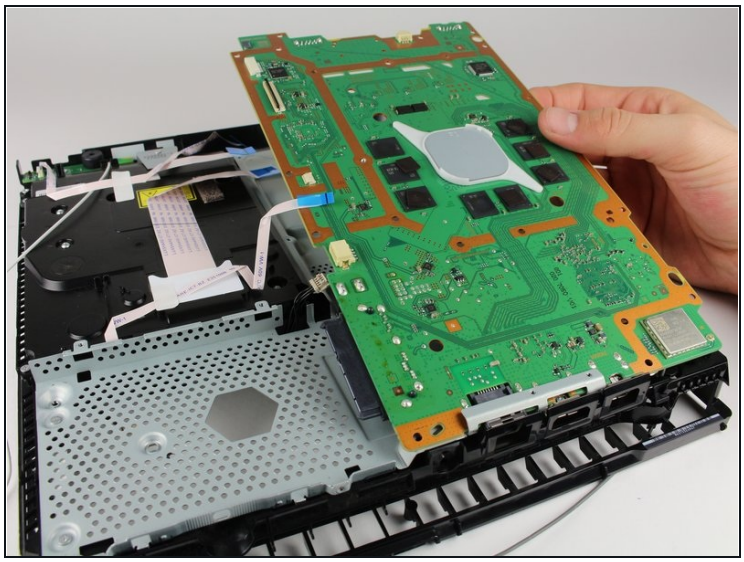
Step 20

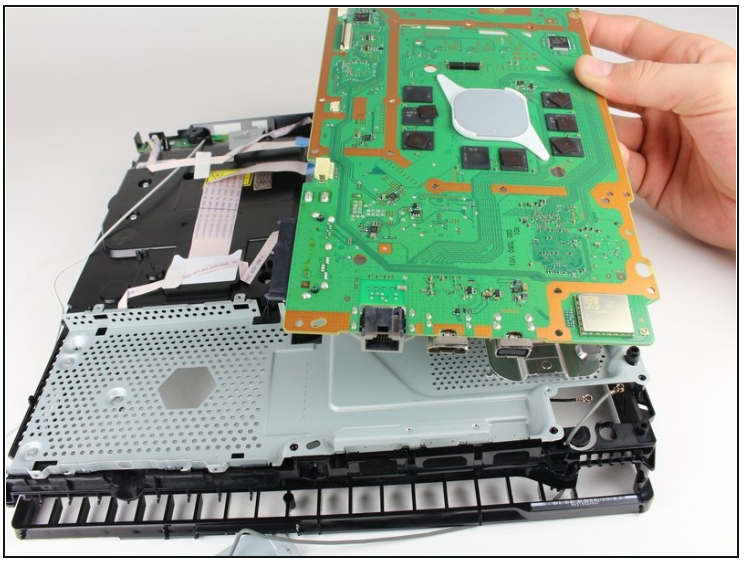




- Remove this wire connection by firmly grasping it with tweezers and pulling out.

⚠ This might require a bit of force to disconnect, but be sure not to break any of the wires.

Step 21





- Remove the motherboard by grabbing the edge of the board with one or two hands and pulling away and up.

ⓘ You may need to wiggle the board a bit to get it loose before you remove it.

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