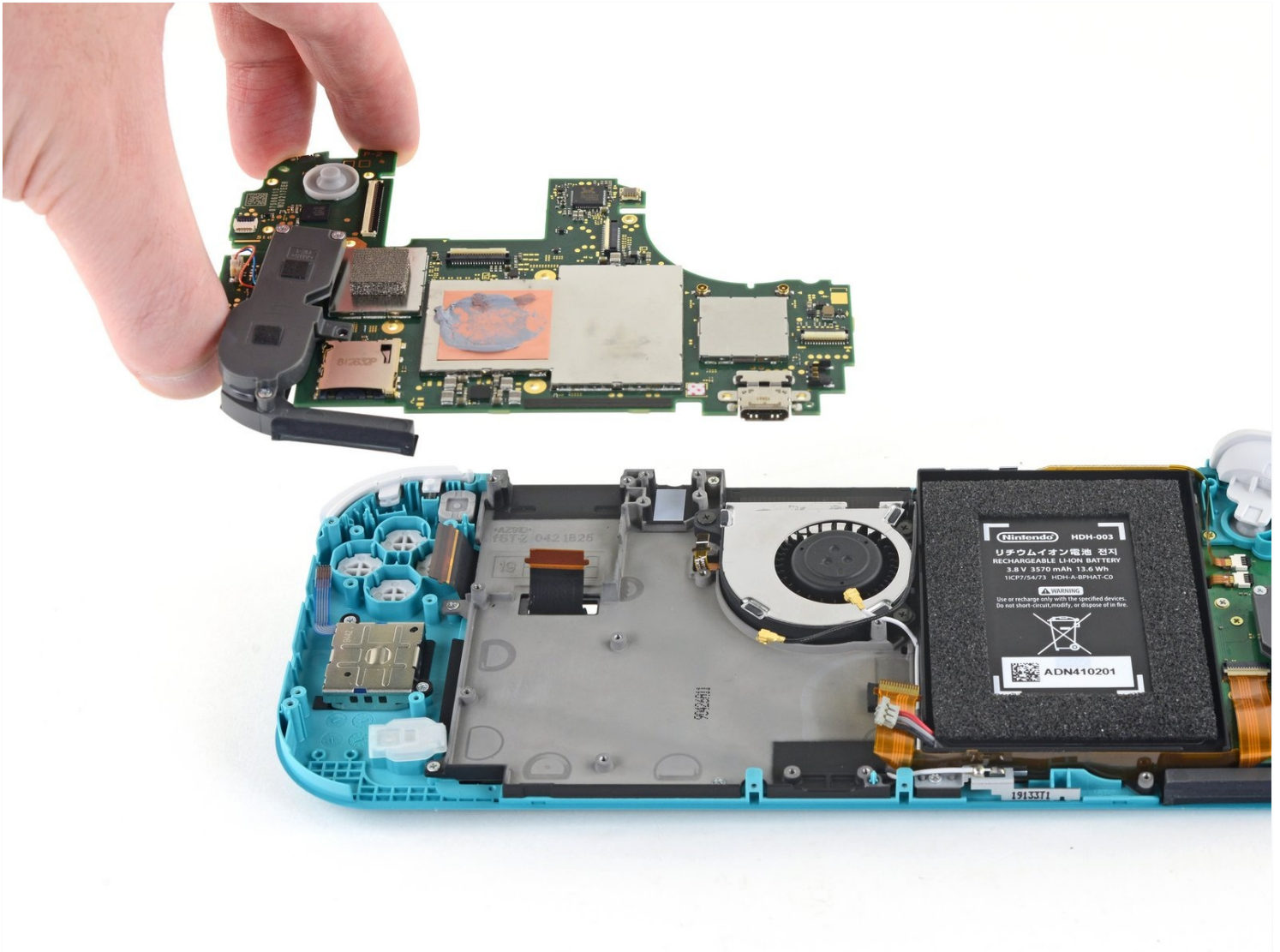




Nintendo Switch Lite Motherboard Assembly Replacement

This is a prerequisite-only guide! This guide...

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INTRODUCTION


This is a prerequisite-only guide! This guide is part of another procedure and is not meant to be used alone.

TOOLS:

- Tri-point Y00 Screwdriver (1)
- Phillips #00 Screwdriver (1)
- iFixit Opening Tool (1)
- Spudger (1)
- Microfiber Cleaning Cloths (1)
- Isopropyl Alcohol (1)
- Thermal Paste (1)
- Tweezers (1)

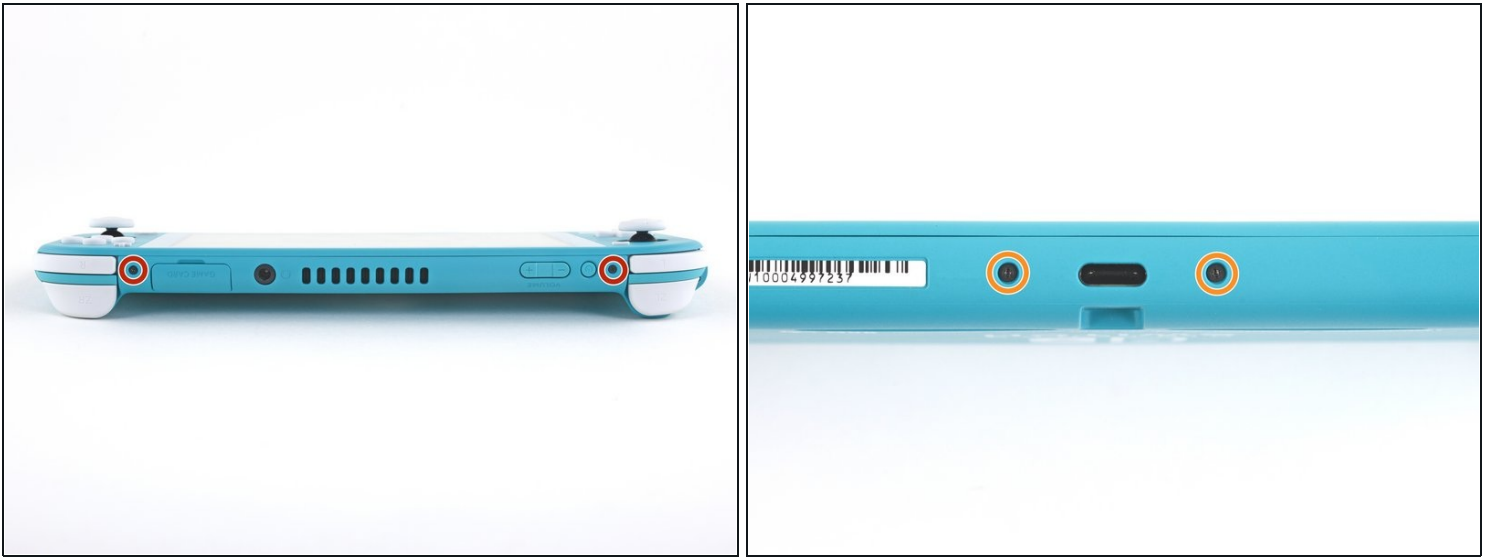
Step 1 — Remove the back panel screws



 Before beginning this repair, make sure that the device is completely turned off.

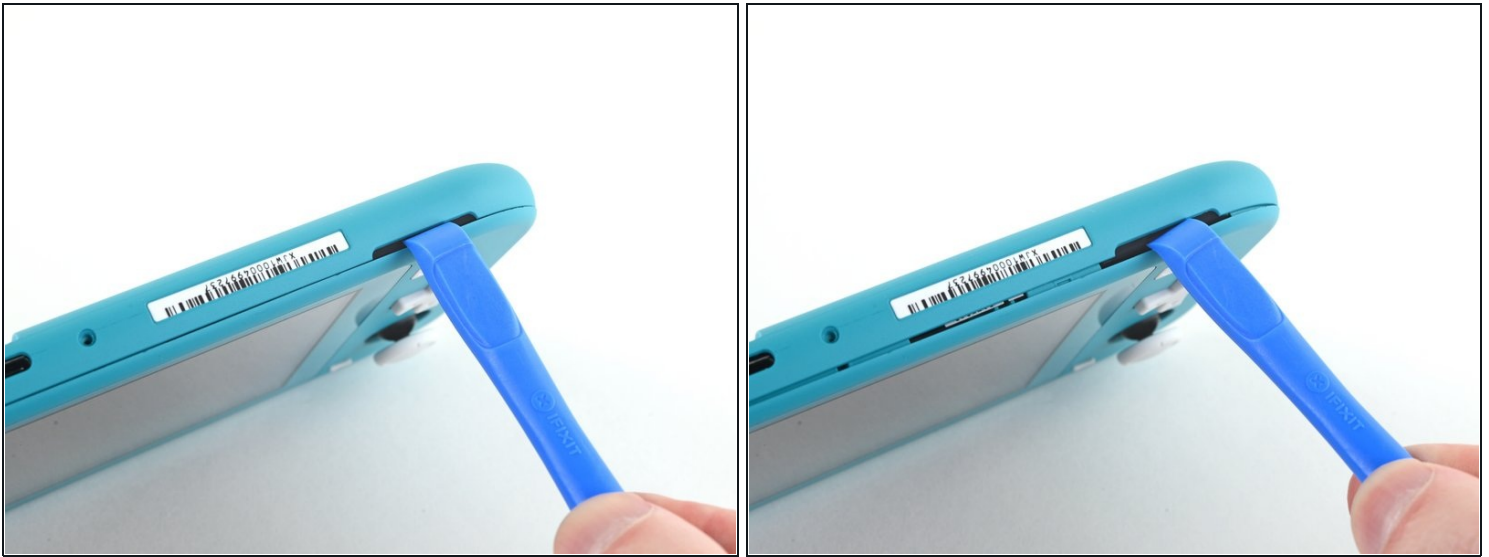
- Use a Y00 screwdriver to remove the four 6.3 mm-long screws securing the back panel.
- ⓘ Throughout this repair, [keep track of each screw](#) and make sure it goes back exactly where it came from.

Step 2 — Remove the top and bottom back panel screws



- Use a JIS 000 driver or an official iFixit PH 000 driver to remove the following screws securing the back panel:
 - Two 3.6 mm-long screws on the top of the device
 - Two 3.6 mm-long screws on the bottom of the device
- ① To prevent these tight screws from [stripping](#), apply firm downward force, work slowly and try a different screwdriver if the screws won't come out.

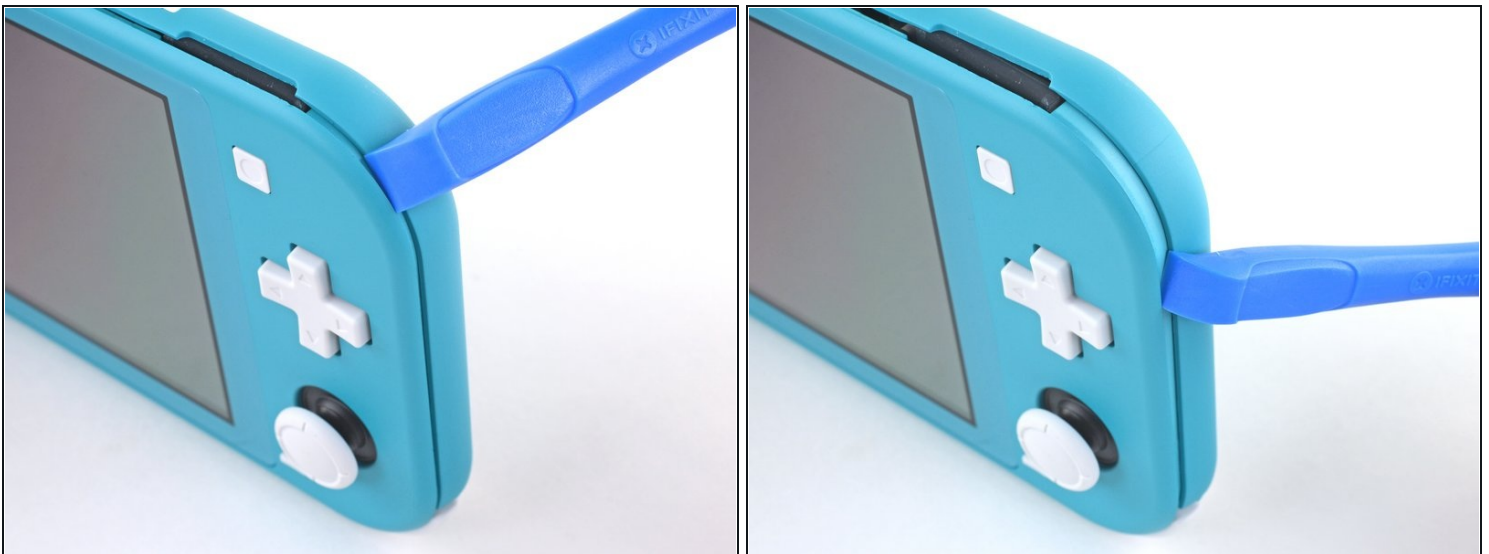
Step 3 — Release the clips securing the back panel



- Insert an opening tool into the left speaker grille on the bottom of the device.
- Twist the opening tool to release the clips securing the back panel.

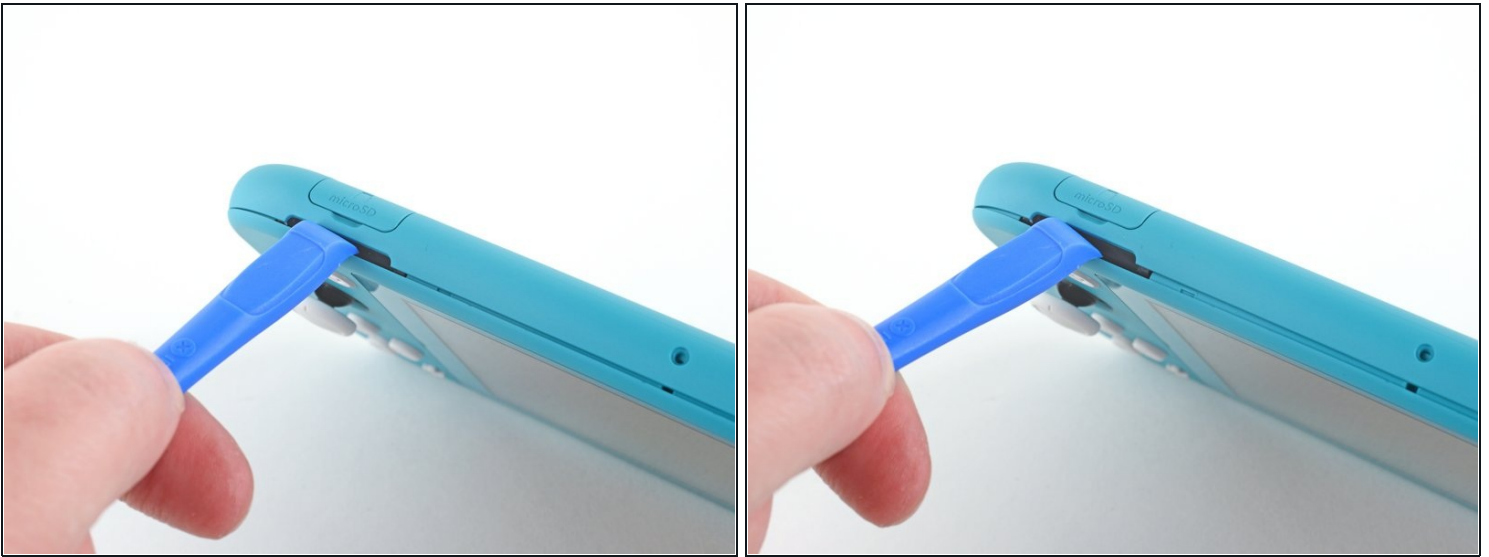
⚠ Avoid inserting the opening tool further than required to prevent damage to the speaker module.

Step 4 — Continue releasing the clips around the device



- Slide the opening tool around the bottom-left corner to release the clips on the left side of the device.

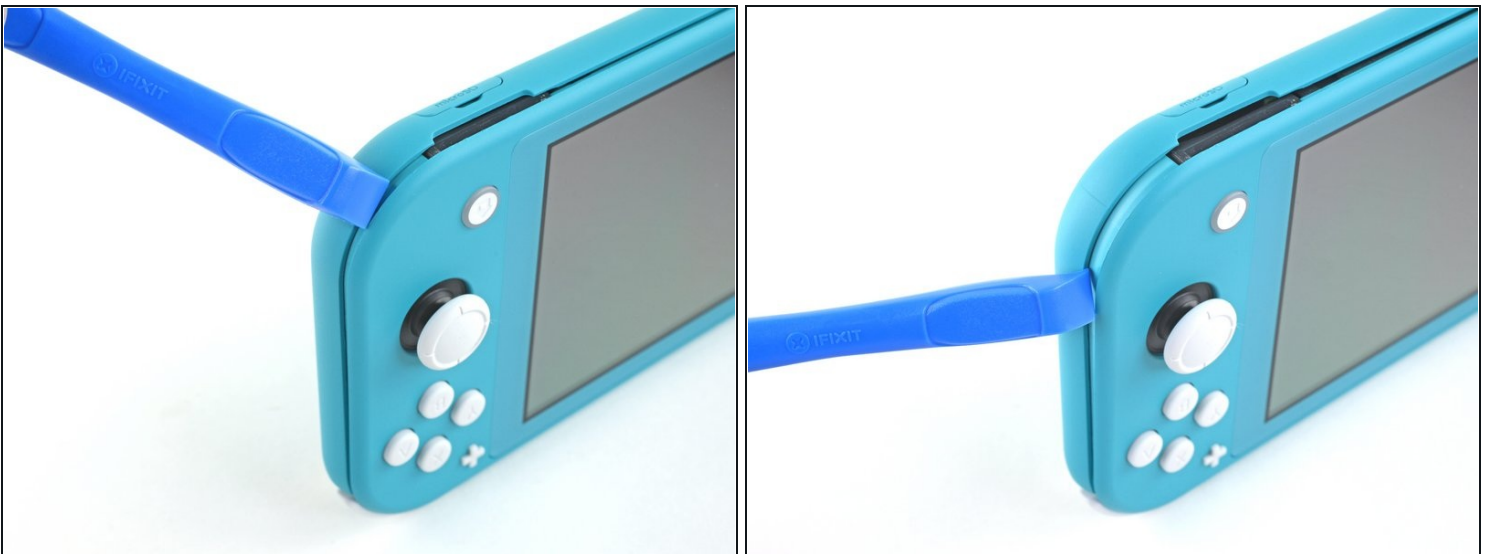
Step 5 — Twist to release the clips



- Insert an opening tool into the right speaker grille on the bottom of the device.
- Twist the opening tool to release the clips.

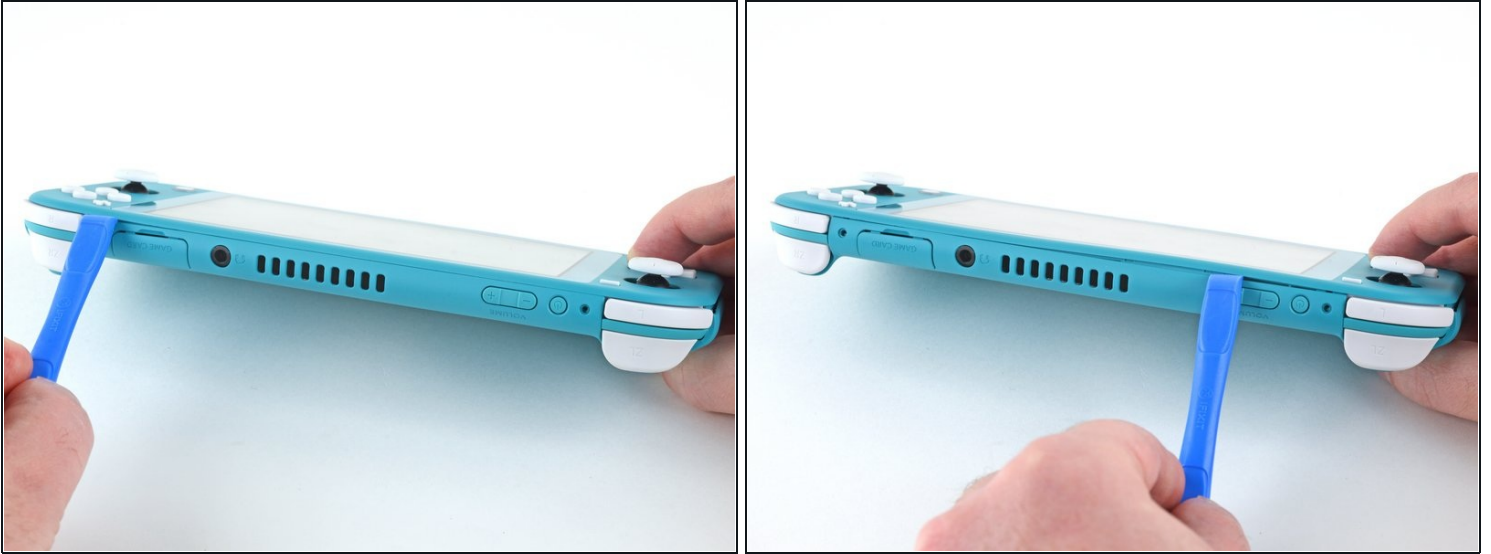
⚠ Avoid inserting the opening tool further than required to prevent damage to the speaker module.

Step 6 — Slide and pry around the corners



- Slide and pry the opening tool around the bottom-right corner to release the clips on the right side of the device.

Step 7



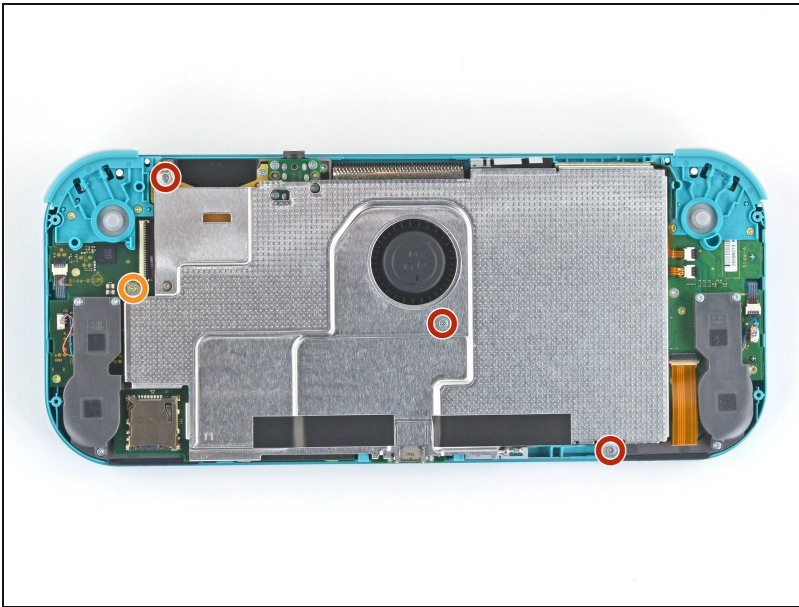
- Continue sliding and prying the opening tool along the gap on the top of the device to release the clips.

Step 8 — Remove the back panel



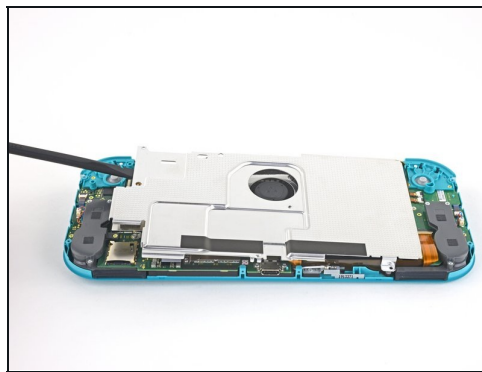
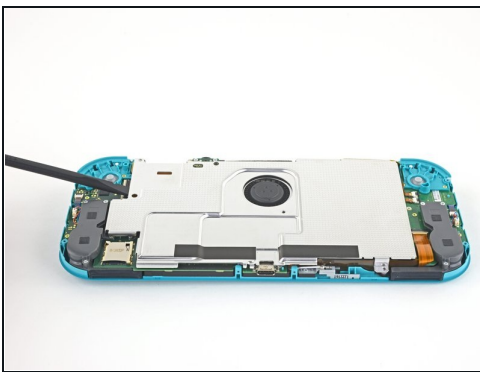
- Lift the bottom edge of the back panel, opening it like a book.
- Remove the back panel.

Step 9 — Remove the shield plate



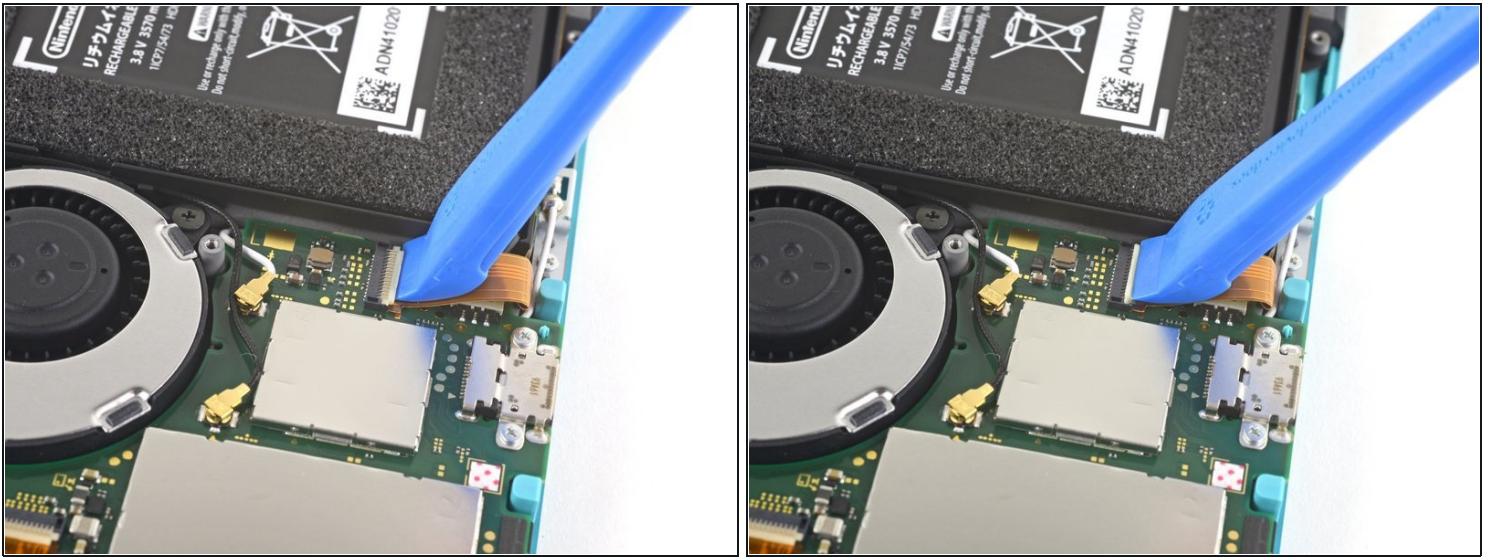
- Use a JIS 000 driver or an official iFixit PH 000 driver to remove the following four screws:
 - Three 3.1 mm screws
 - One 4.5 mm screw

Step 10



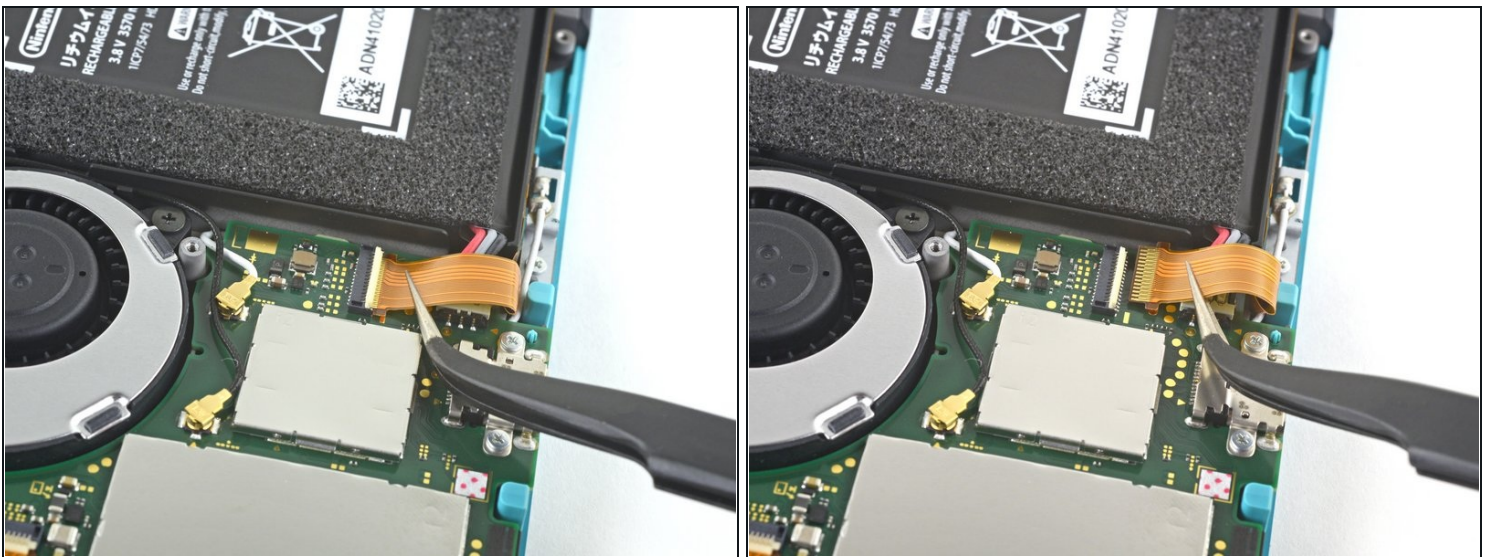
- Use a spudger or your fingers to lift the shield plate up and out of the device.
 - ❗ You may feel a bit of resistance. This is normal, since the shield plate is slightly bonded to the heat sink with thermal paste.
- Remove the shield plate.
 - ☑ Clean off the old thermal paste from the shield plate and heat sink using isopropyl alcohol and a microfiber cloth. [Apply new thermal paste](#) to the heat sink before reassembly.

Step 11 — Disconnect the battery



- Use an opening tool or your fingernail to flip up the small, hinged locking flap on the motherboard interconnect cable's [ZIF connector](#).

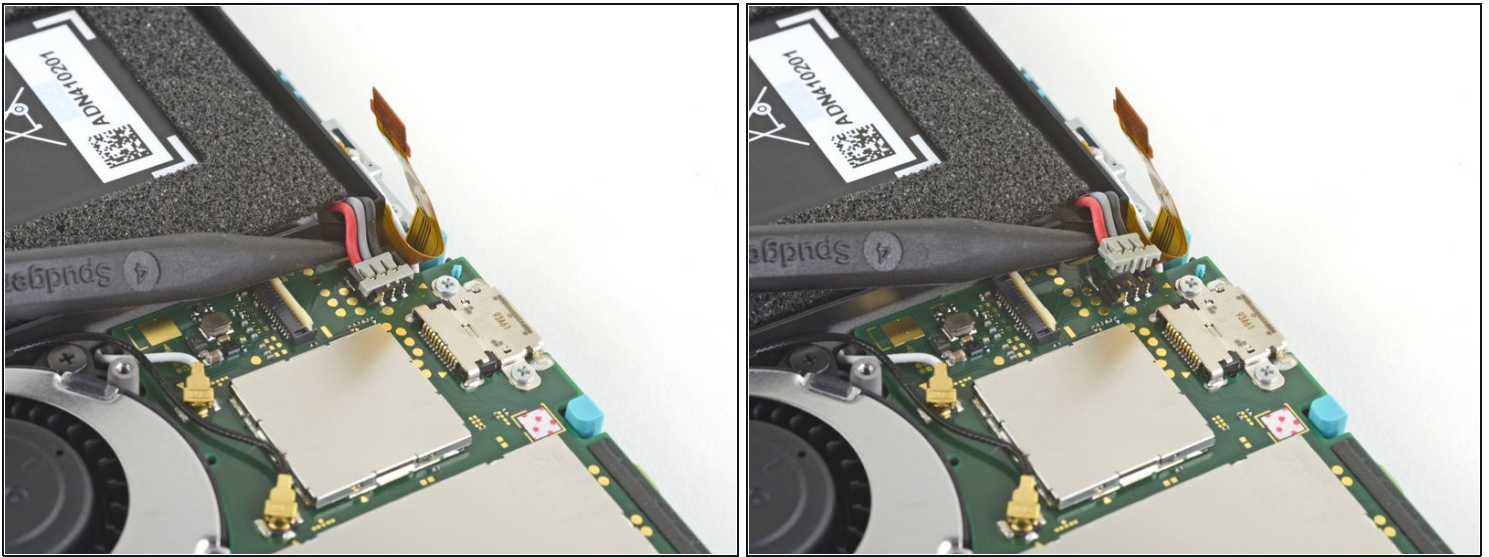
Step 12



⚠ Do Not Use Metal Tweezers! Some fixers state that metallic tweezers can short circuit the ribbon cable/connector. It might be safer to just use nylon-tipped or ceramic-tipped tweezers.

- Use a pair of tweezers to slide the interconnect cable out of its connector on the motherboard.

Step 13



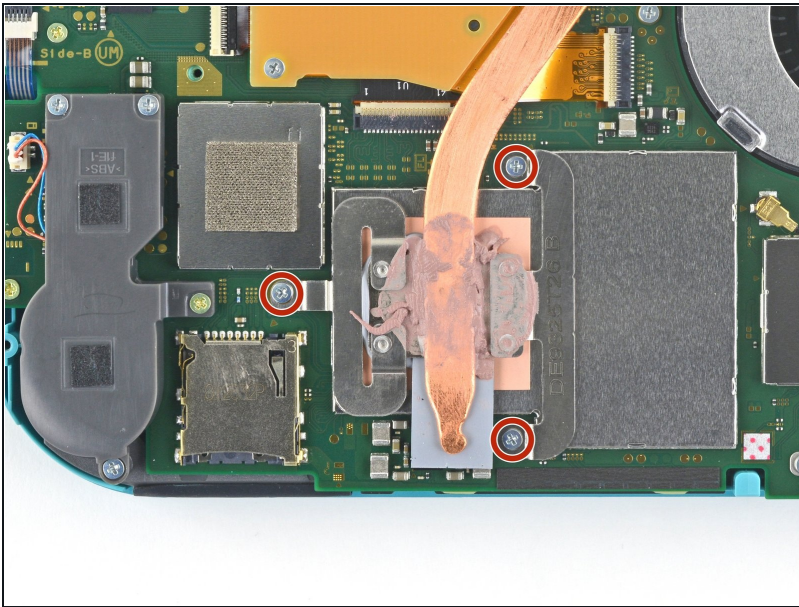
- Use the point of a spudger to pry the battery connector straight up and out of its socket on the motherboard.

Step 14 — Remove the heat sink



- Use the flat end of a spudger or your fingers to carefully peel up the foam that's lightly adhered to the fan.
- ① The foam only needs to be peeled back enough to clear the fan.

Step 15



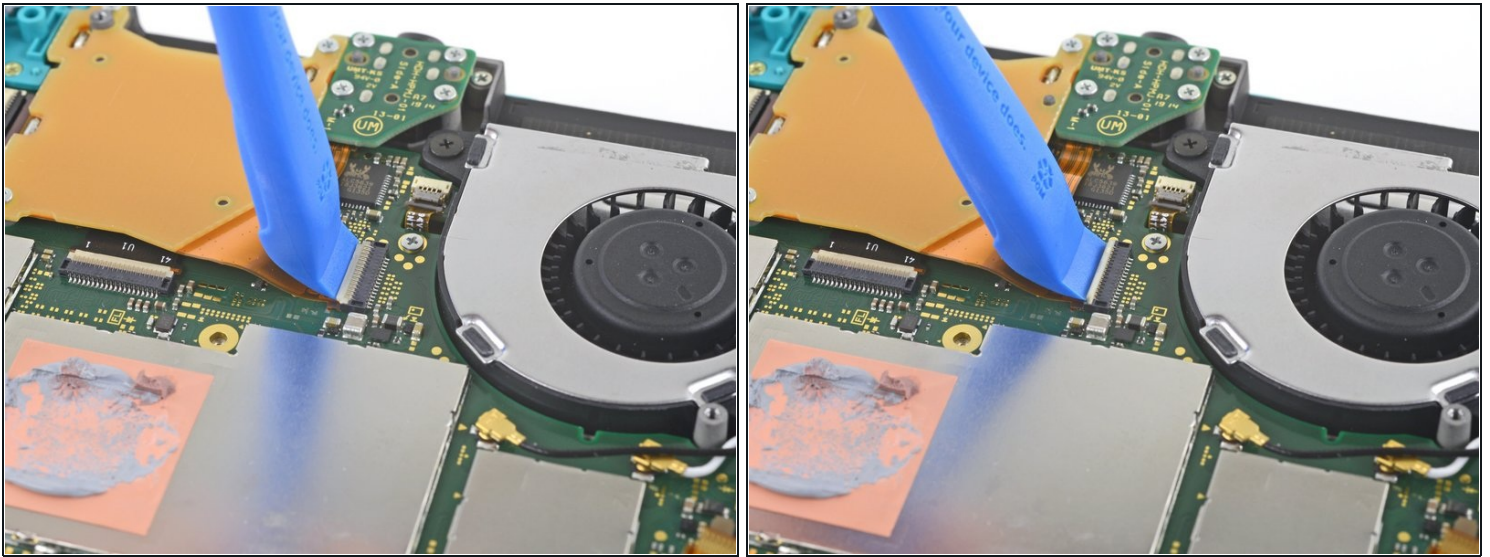
- Use a JIS 000 driver or an official iFixit PH 000 driver to remove the three 3 mm screws securing the heat sink to the motherboard.

Step 16



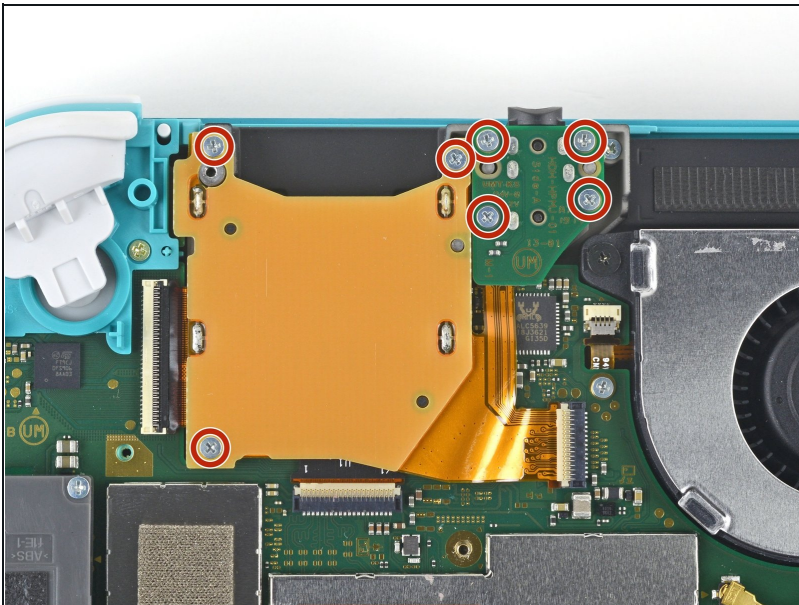
- Use a spudger or your fingers to lift the heatsink up and off of the motherboard to remove it.
 - ① You may feel a bit of resistance. This is normal, since the heat sink is slightly bonded to the CPU with thermal paste.
- ☑ Clean off the old thermal paste from the heat sink and CPU using isopropyl alcohol and a microfiber cloth. [Apply new thermal paste](#) to the CPU before reassembly.

Step 17 — Remove the game card reader and headphone jack



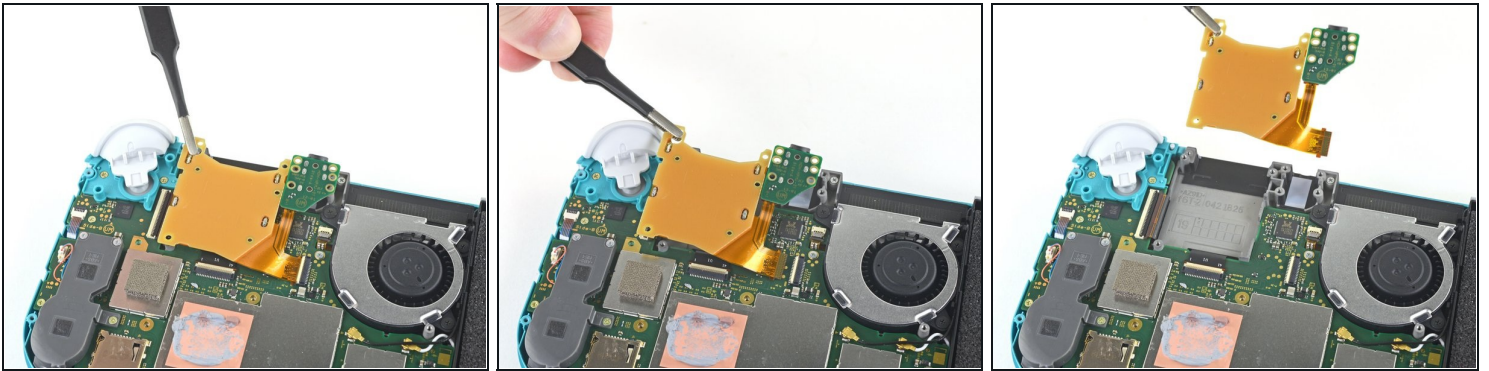
- Use an opening tool or your fingernail to flip up the small, hinged locking flap on the game card reader cable's ZIF connector.

Step 18



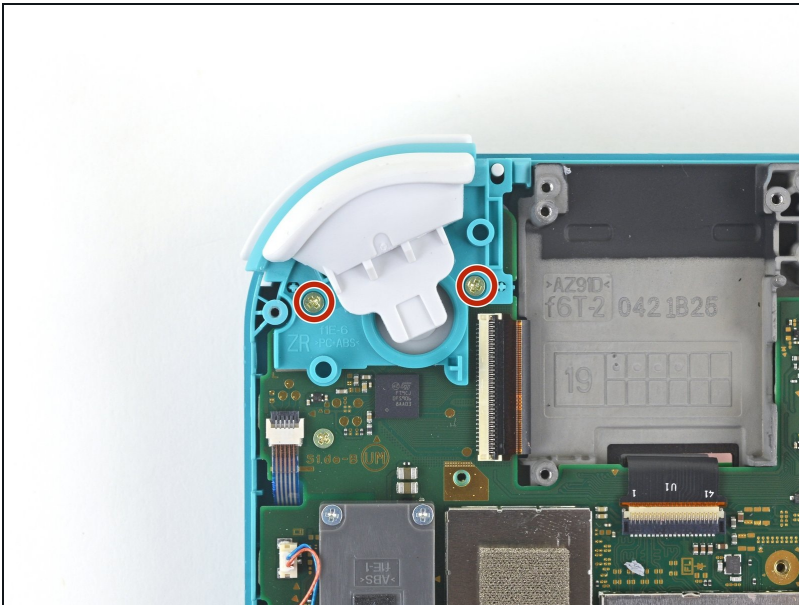
- Use a JIS 000 driver or an official iFixit PH 000 driver to remove the seven 3.1 mm screws securing the game card reader and headphone jack.

Step 19



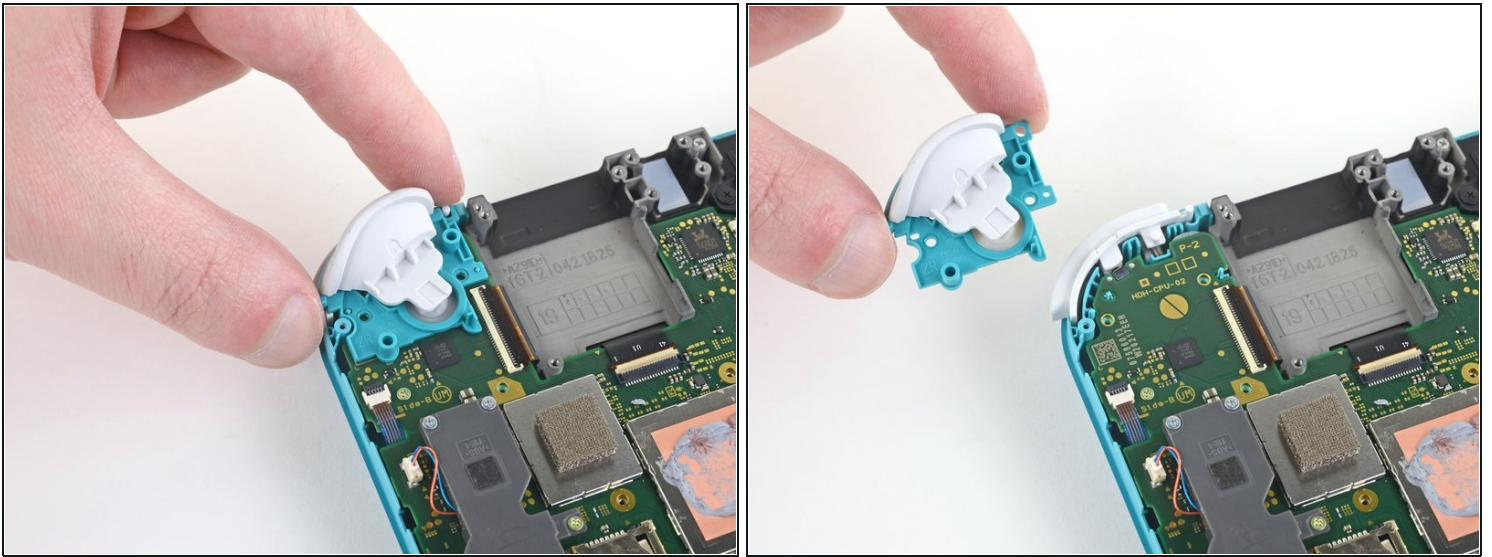
- Use a pair of tweezers or your fingers to carefully lift the game card reader and maneuver it to the left to slide the cable out of its connector.
- Remove the game card reader and headphone jack.

Step 20 — Remove the right trigger button assembly



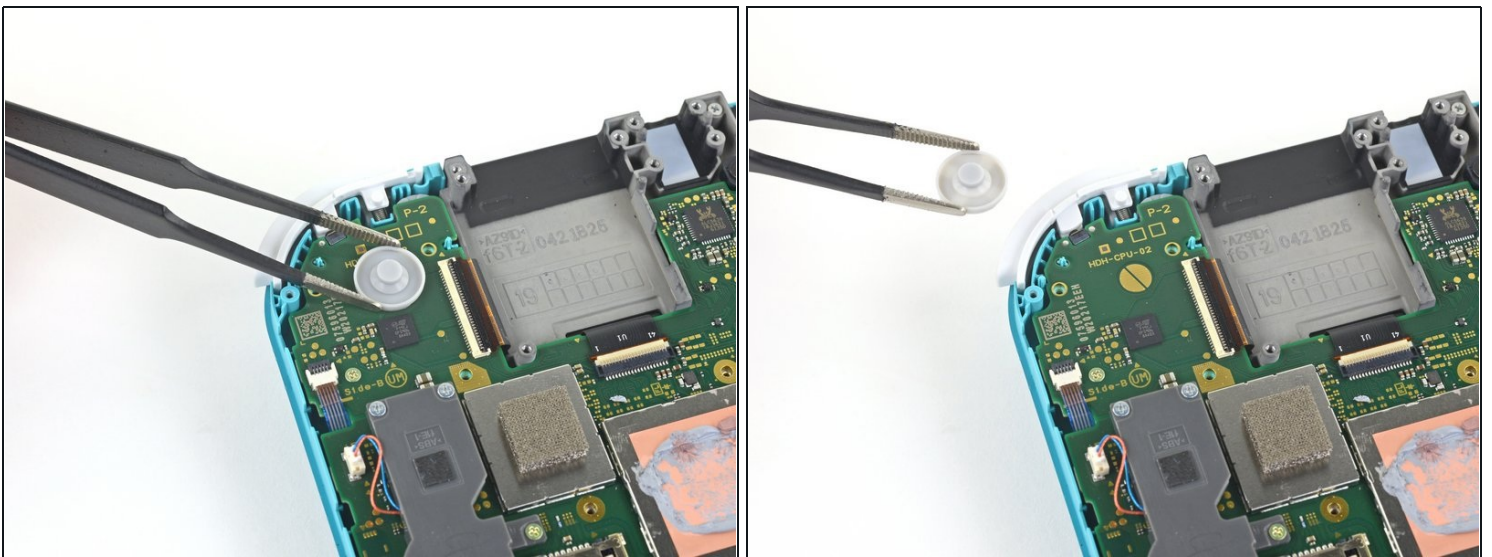
- Use a JIS 000 driver or an official iFixit PH 000 driver to remove the two 4.5 mm screws securing the right trigger button assembly to the motherboard.

Step 21



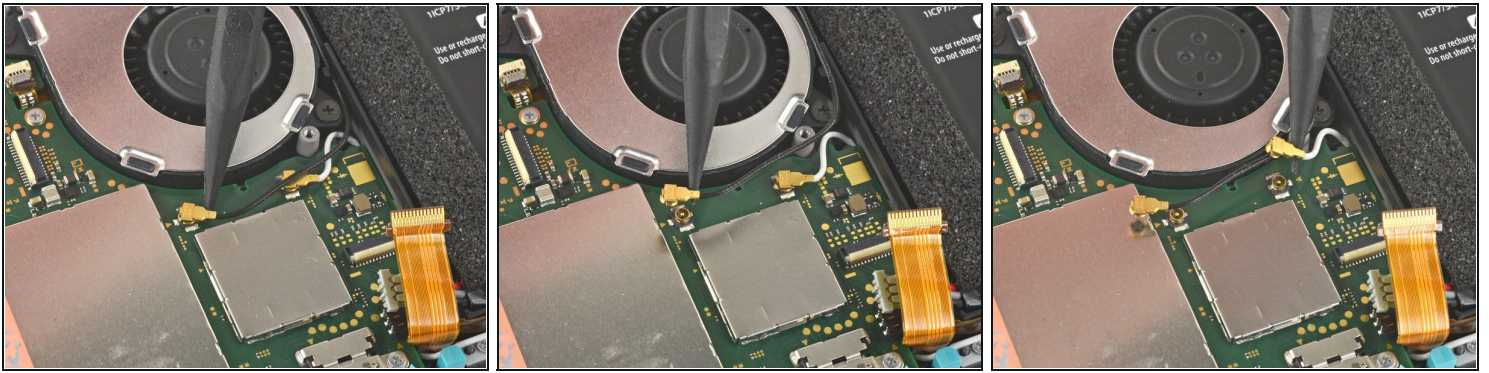
- Remove the right trigger button assembly.

Step 22



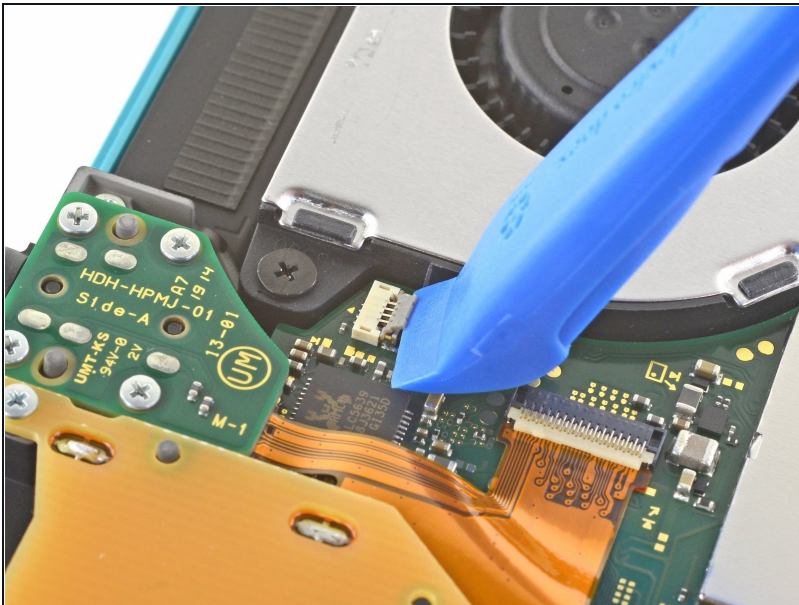
- Use a pair of tweezers or your fingers to remove the right trigger button assembly's rubber pad if it didn't stay attached to the button assembly.

Step 23 — Disconnect the antenna cables



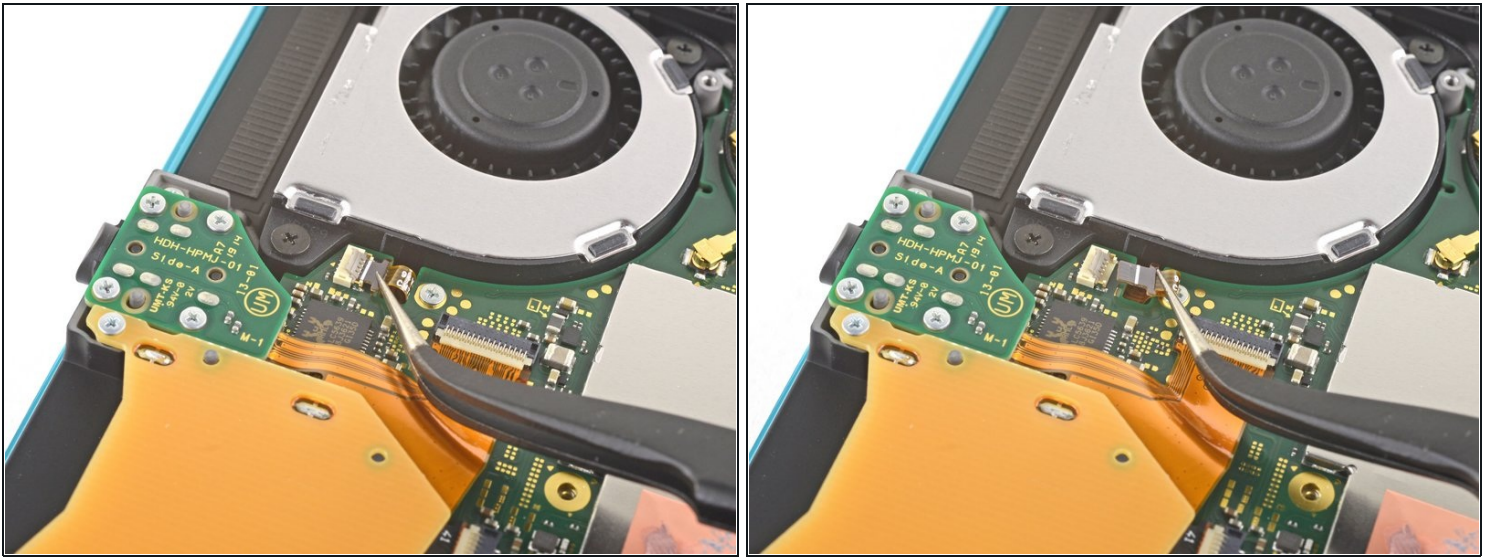
- Use the point of a spudger to pry the black antenna cable straight up out of its socket on the motherboard.
- Repeat the same process for the white antenna cable.

Step 24 — Disconnect the fan cable



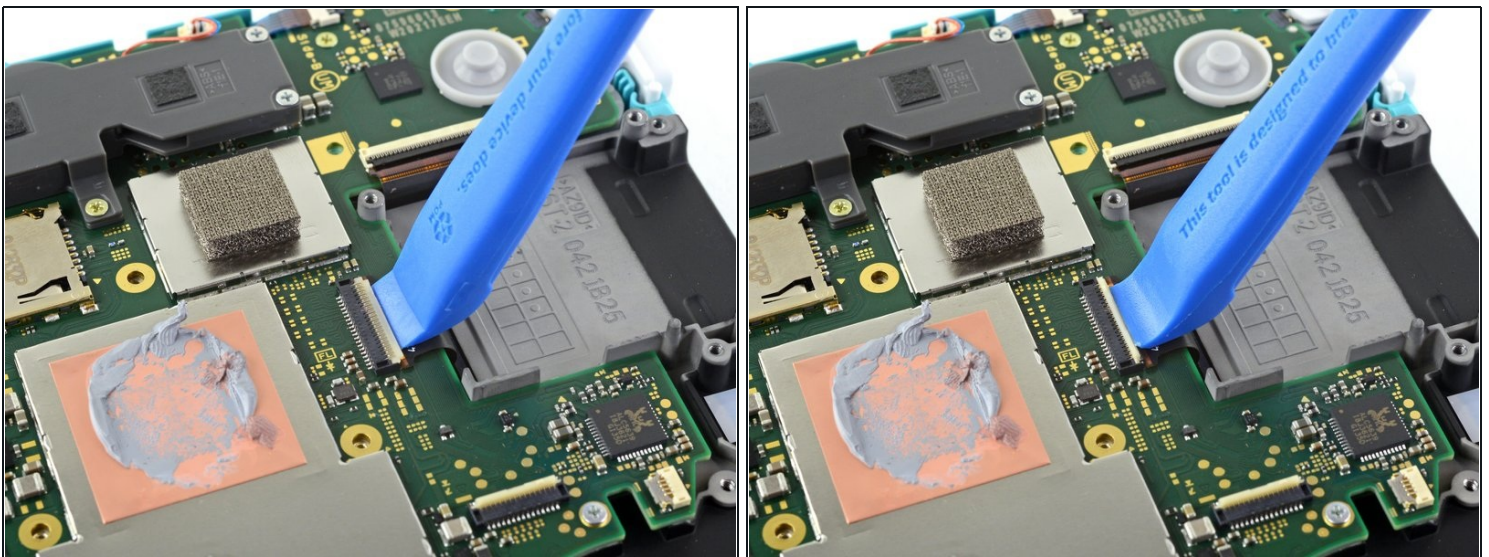
- Use an opening tool or your fingernail to flip up the small, hinged locking flap on the fan cable's ZIF connector.

Step 25



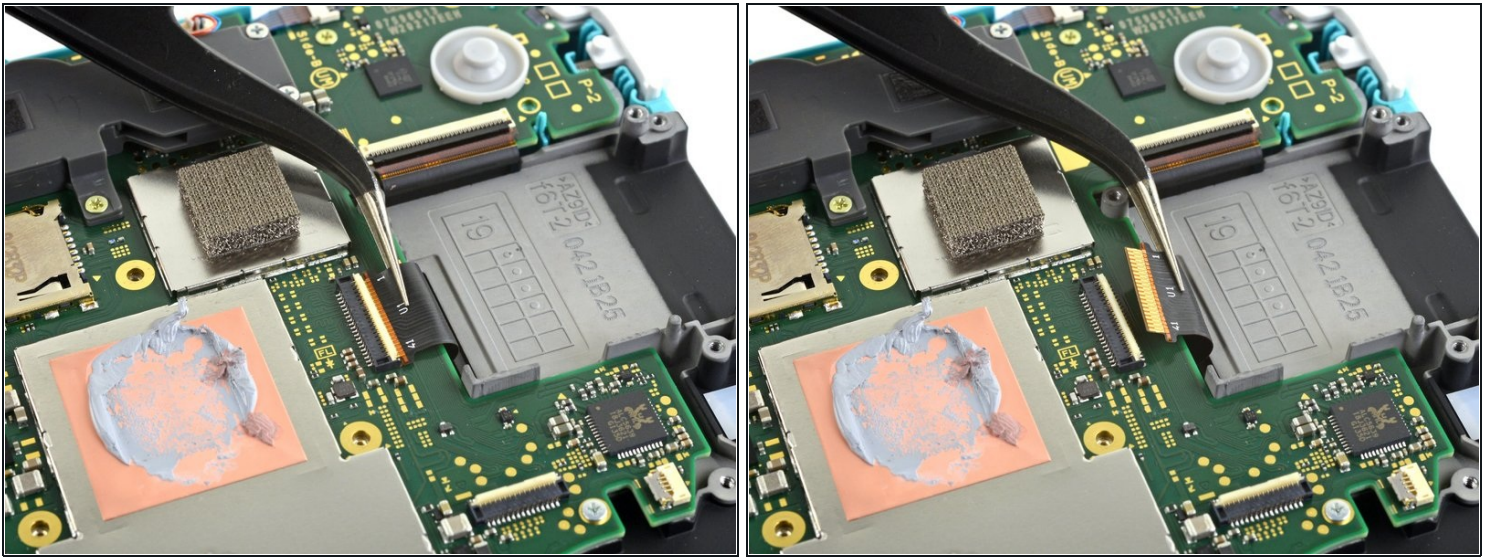
- Use a pair of tweezers to slide out the fan cable from its connector on the motherboard.

Step 26 — Disconnect the screen cable



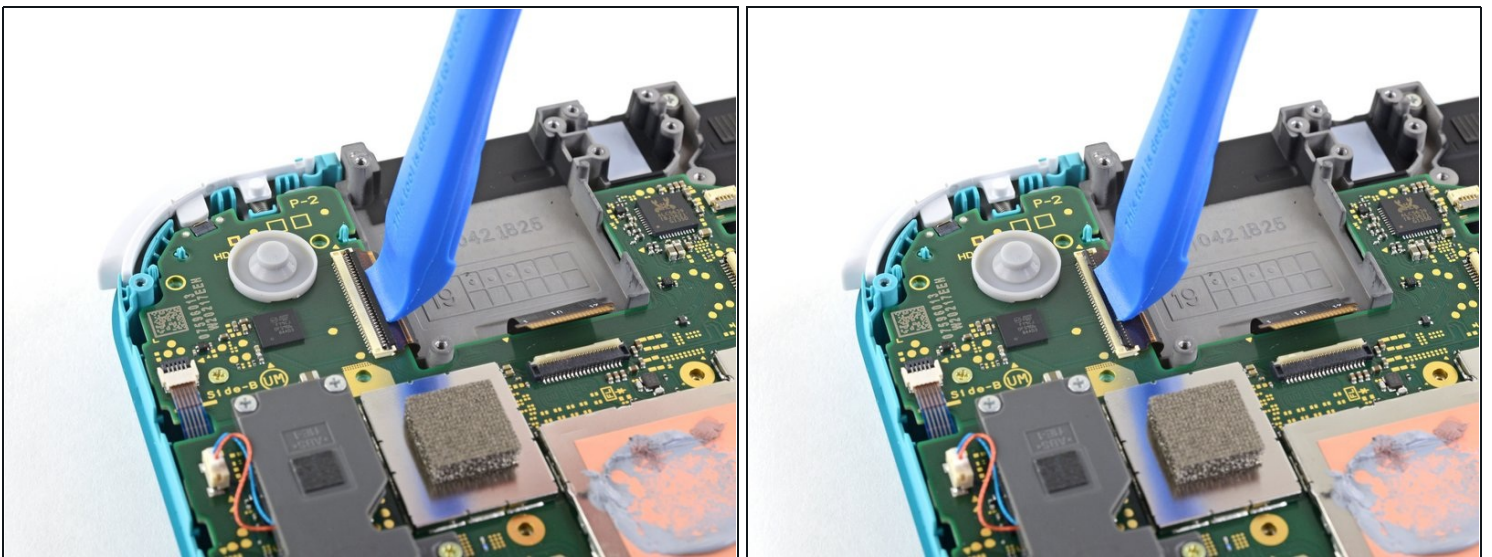
- Use an opening tool or your fingernail to flip up the small, hinged locking flap on the screen cable's ZIF connector.

Step 27



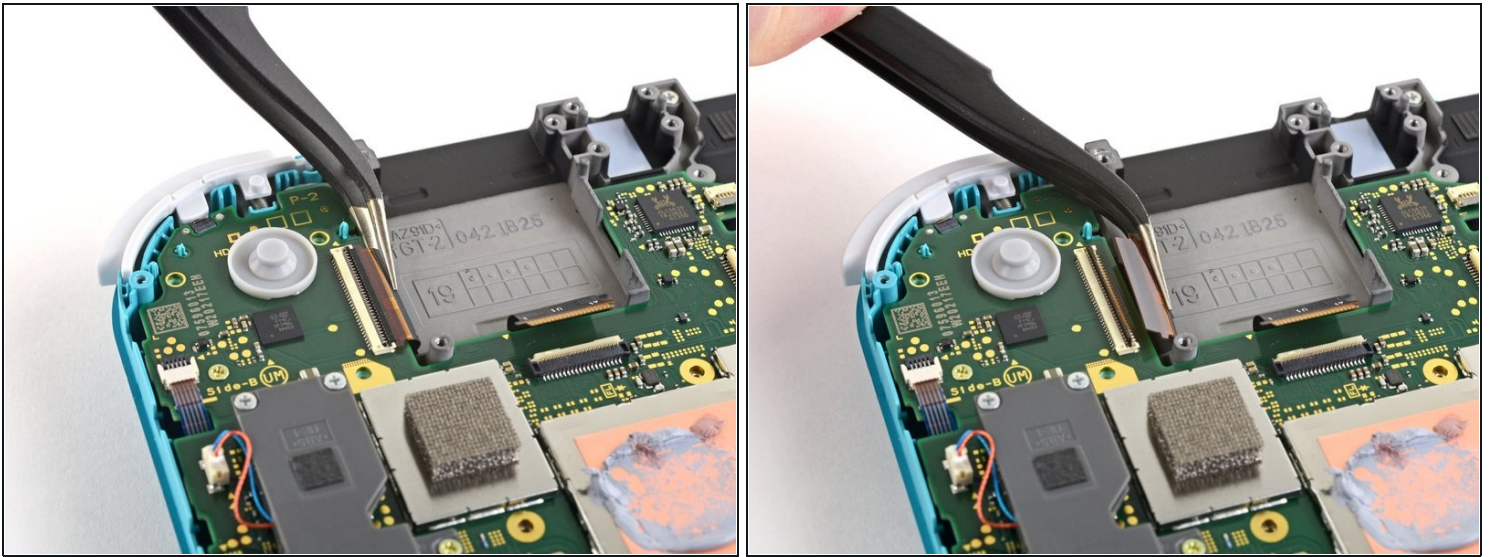
- Use a pair of tweezers to slide the screen cable out of its connector on the motherboard.

Step 28 — Disconnect the digitizer cable



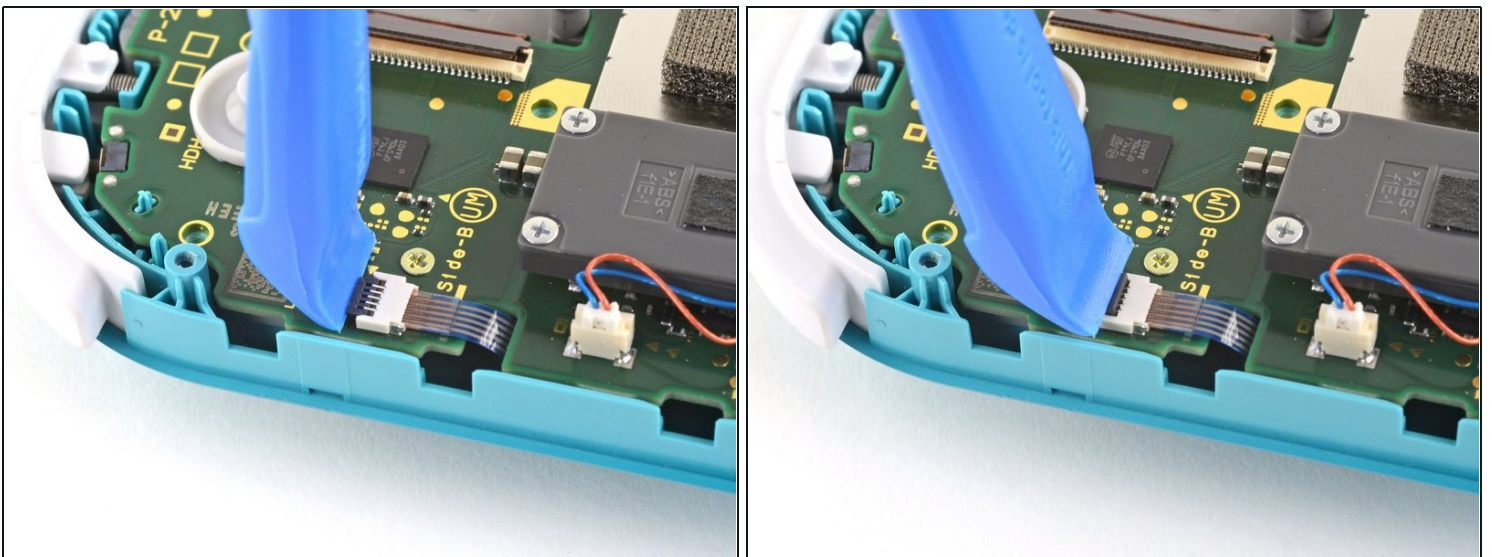
- Use an opening tool or your fingernail to flip up the small, hinged locking flap on the digitizer cable's ZIF connector.

Step 29



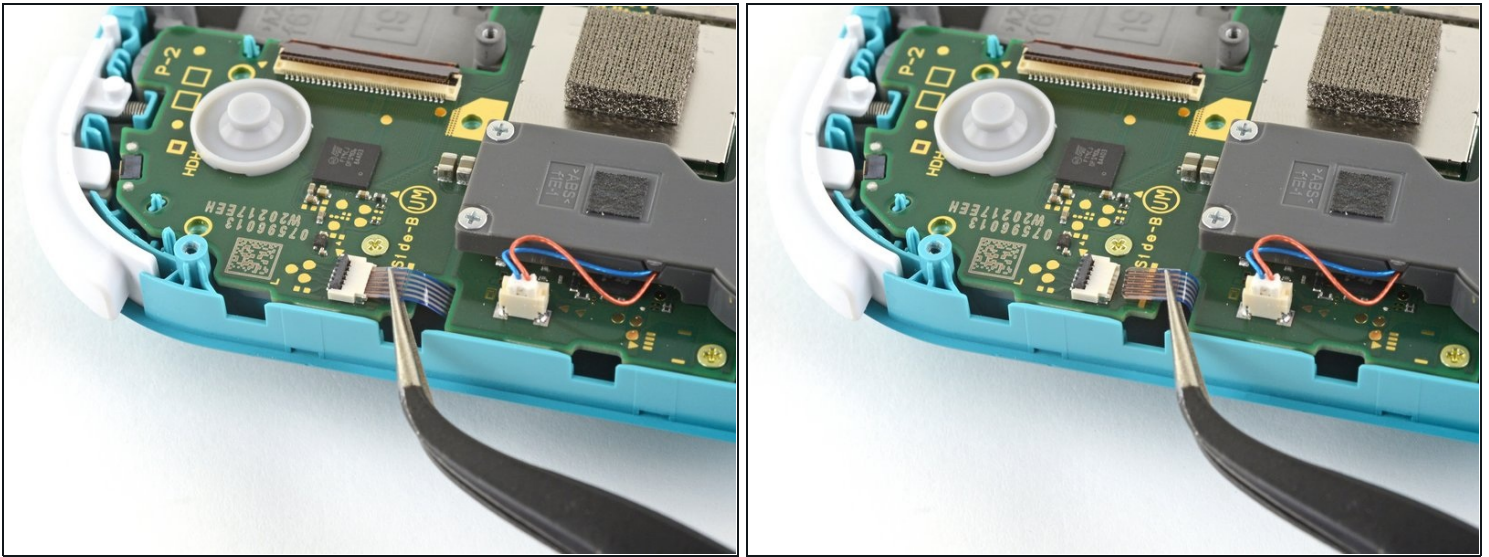
- Use a pair of tweezers to slide the digitizer cable out of its connector on the motherboard.

Step 30 — Disconnect the right joystick cable



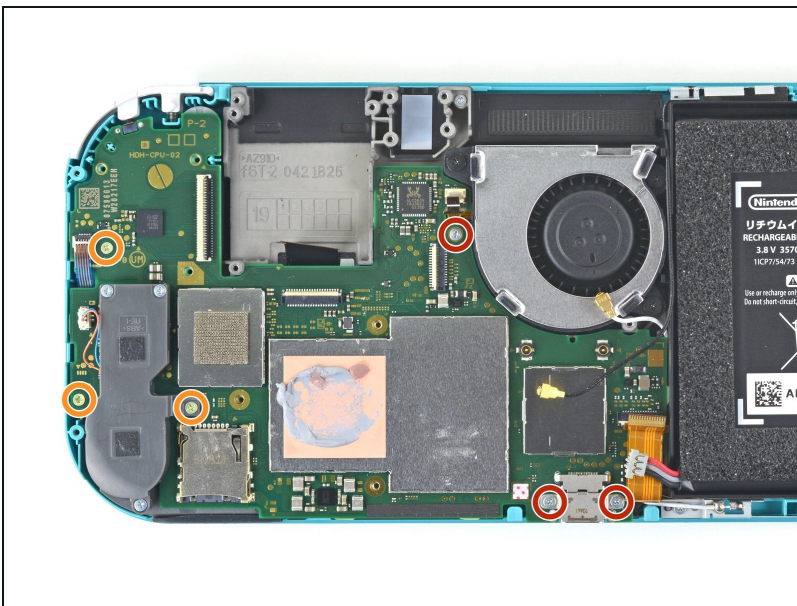
- Use an opening tool or your fingernail to flip up the small, hinged locking flap on the right joystick cable's ZIF connector.

Step 31



- Use a pair of tweezers to slide the right joystick cable out of its connector on the motherboard.

Step 32 — Remove the motherboard assembly



- Use a JIS 000 driver or an official iFixit PH 000 driver to remove the following six screws securing the motherboard:
 - Three 3.1 mm screws
 - Three 4.5 mm screws

Step 33



- Insert a spudger in the gap between the frame and the motherboard and lift the motherboard up and out of its recess.
- Remove the motherboard assembly.

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

Take your e-waste to an [R2 or e-Stewards certified recycler](#).

Repair didn't go as planned? Try some [basic troubleshooting](#), or ask our [Nintendo Switch Lite Answers community](#) for help.