



# Nintendo Switch Lite Battery Replacement

Follow this guide to replace a worn out and...

Written By: Craig Lloyd



# INTRODUCTION

Follow this guide to replace a worn out and degraded battery in the Nintendo Switch Lite.

The Switch Lite uses JIS screws, but you can use a Phillips screwdriver in a pinch. Be very careful not to strip the screws. iFixit's Phillips bits are designed to be cross-compatible with JIS-style screws.

**For your safety, discharge your battery below 25% before disassembling your Switch.**

This reduces the risk of a dangerous thermal event if the battery is accidentally damaged during the repair. If your battery is swollen, [take appropriate precautions](#).

**Note:** This procedure requires removing the shield plate, which is bonded to the heat sink with thermal paste. The thermal paste will need to be cleaned off and reapplied before reinstalling the shield plate.



## 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)  
iFixit Opening Picks (Set of 6) (1)  
Plastic Cards (1)



## PARTS:

Nintendo Switch Lite Battery (1)  
Tesa 61395 Tape (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

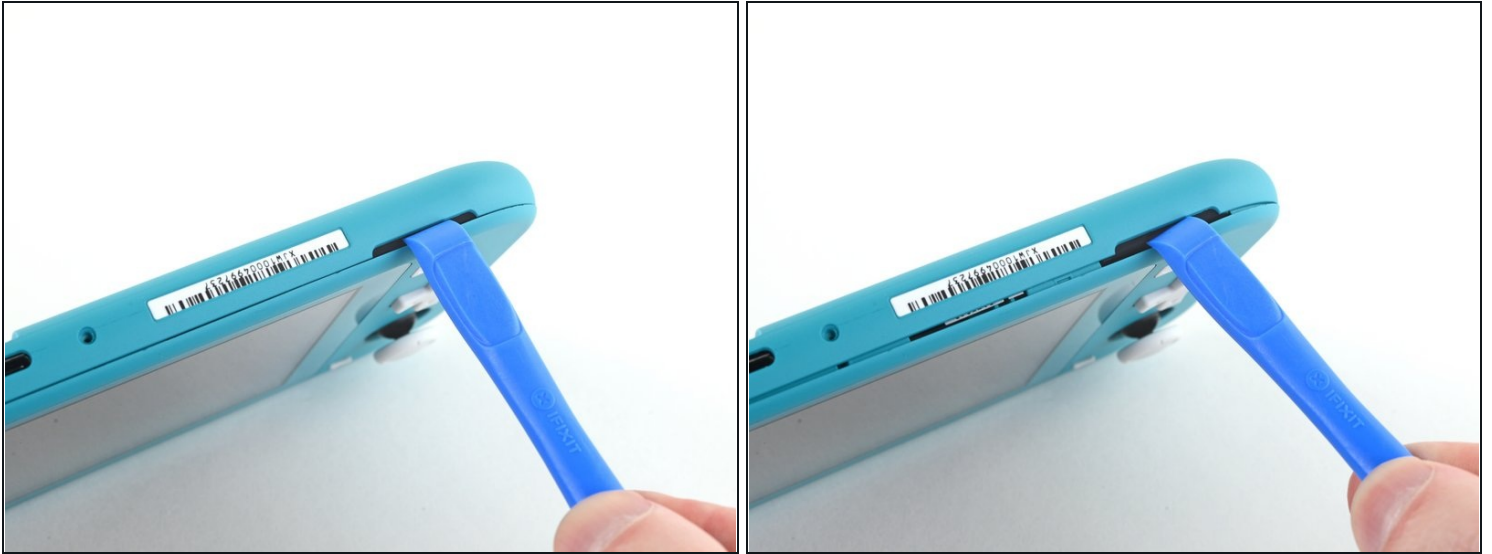


- Use a JIS 000 driver or an official iFixit PH 000 driver to remove the following screws securing the back panel:

- Two 3.6 mm-long screws on the top of the device
- Two 3.6 mm-long screws on the bottom of the device

ⓘ 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.

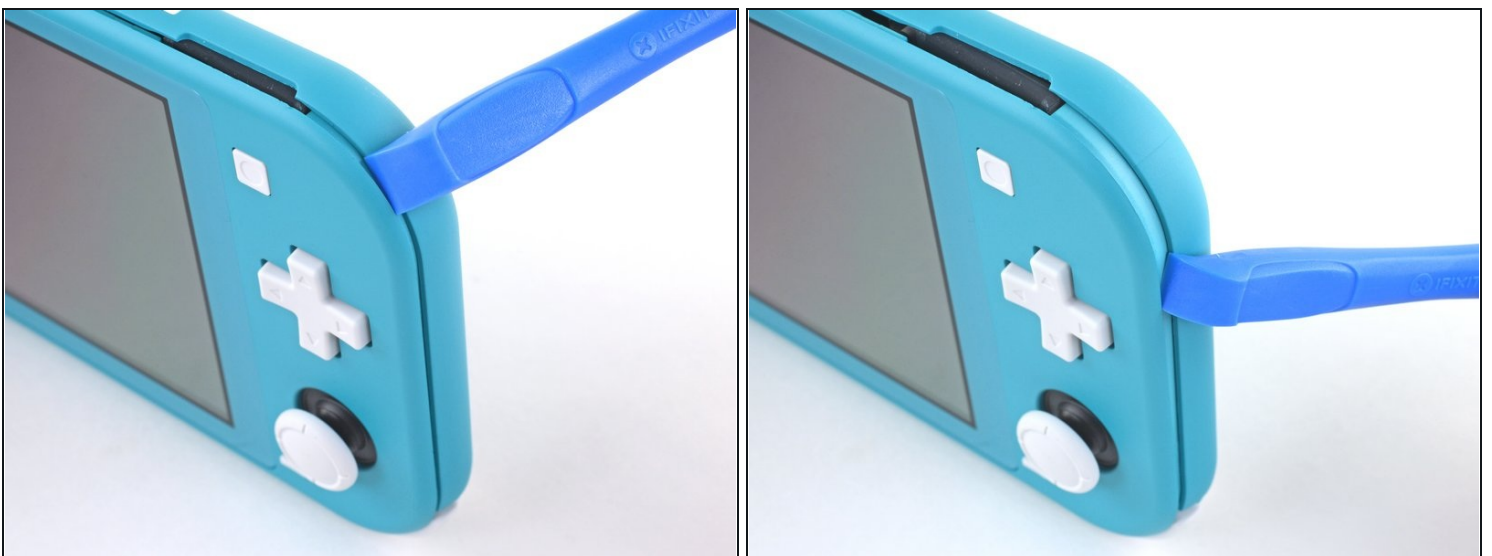
### Step 3 — Release the clips securing the back panel



- 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.

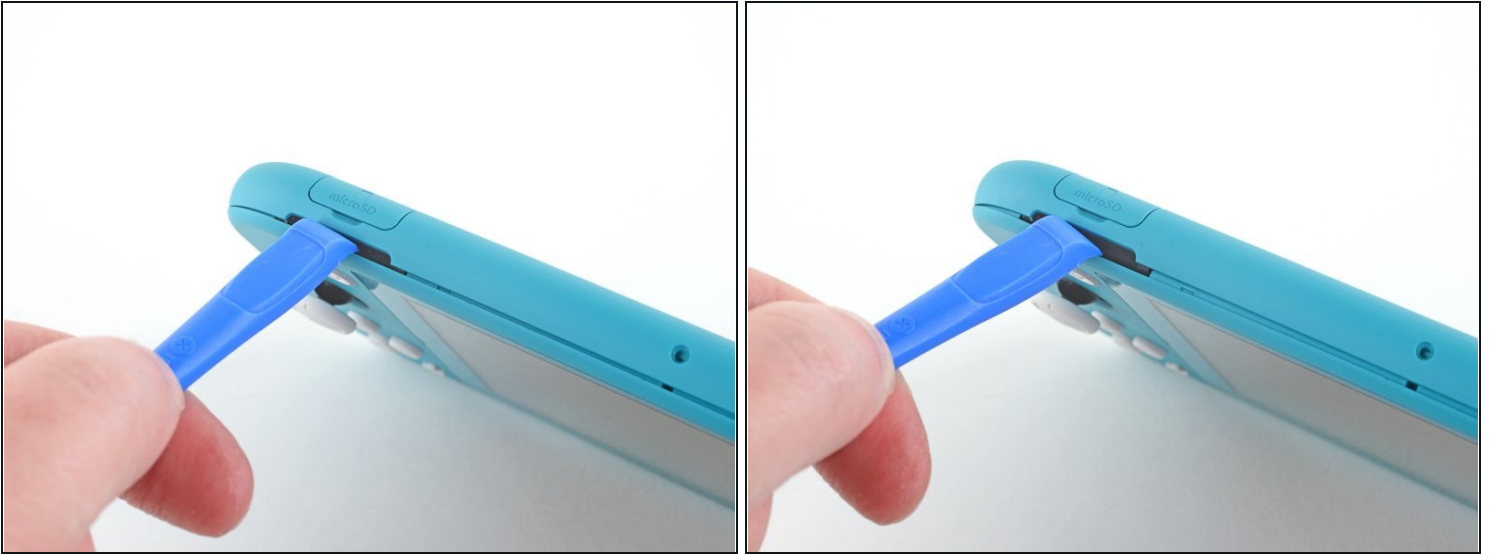
**⚠️ Avoid inserting the opening tool further than required to prevent damage to the speaker module.**

### 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.

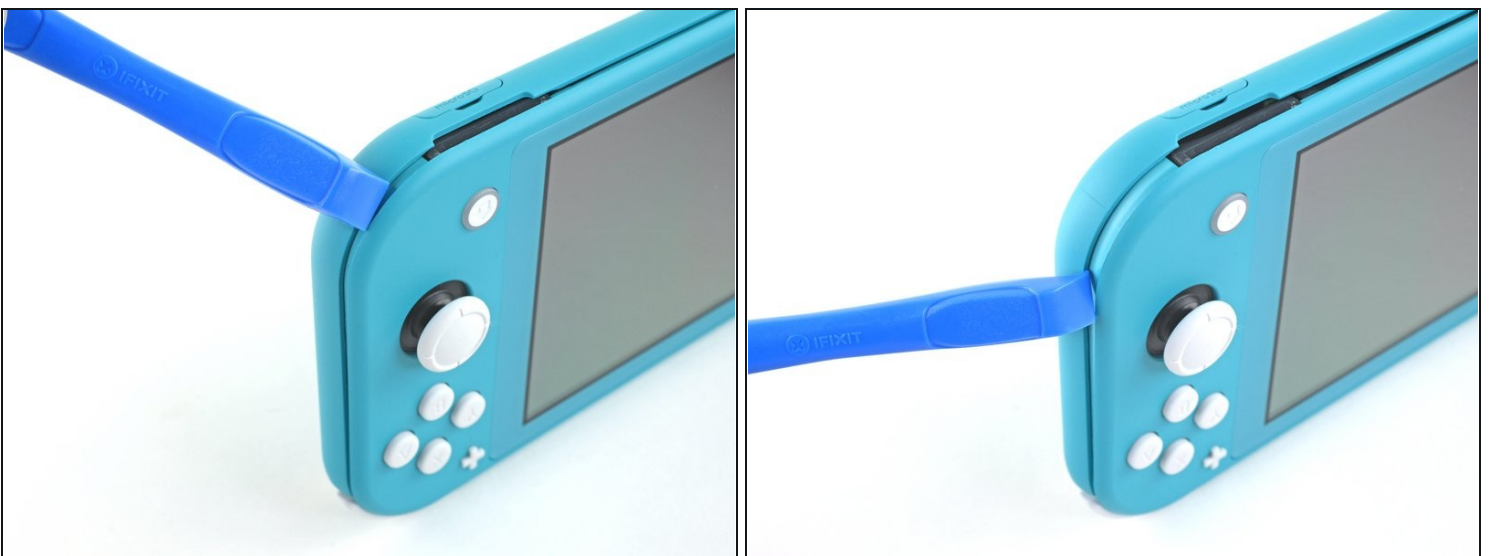
### Step 5 — Twist to release the clips



- 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.**

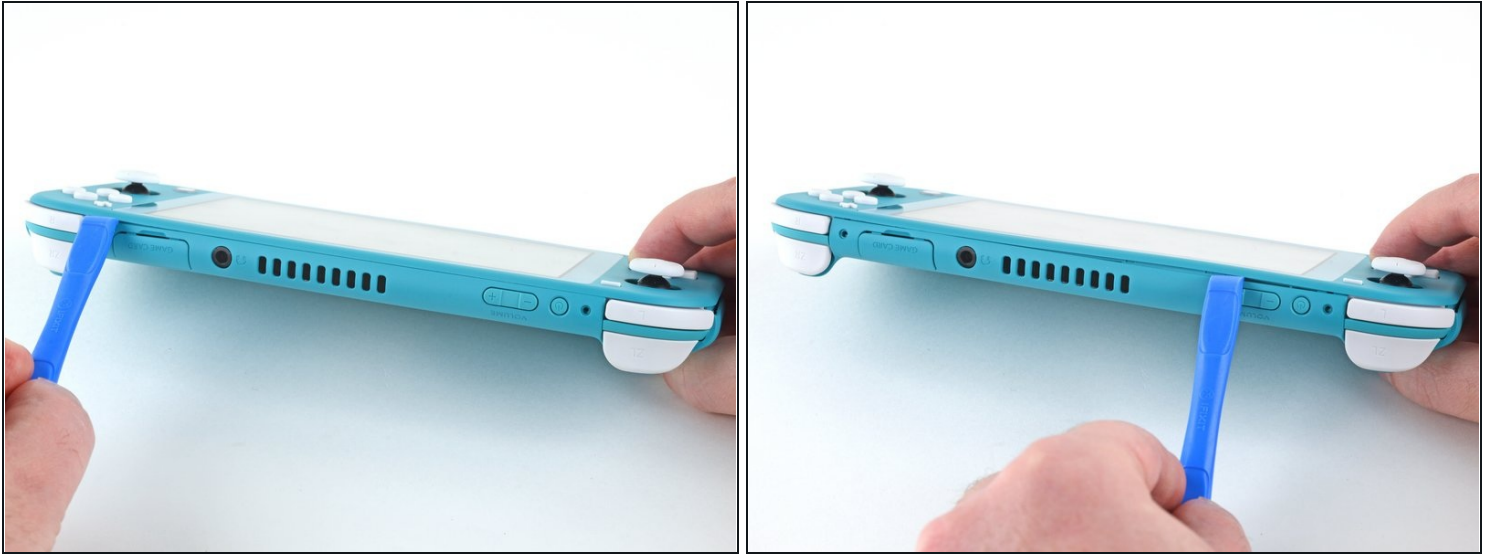
### Step 6 — Slide and pry around the corners



- 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



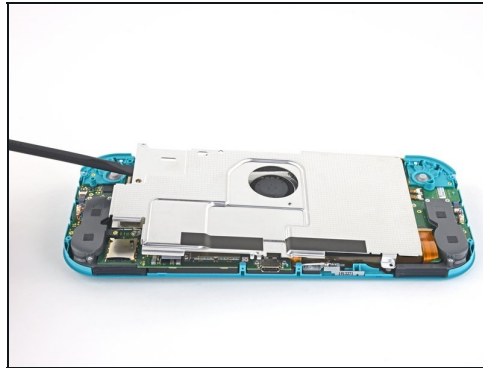
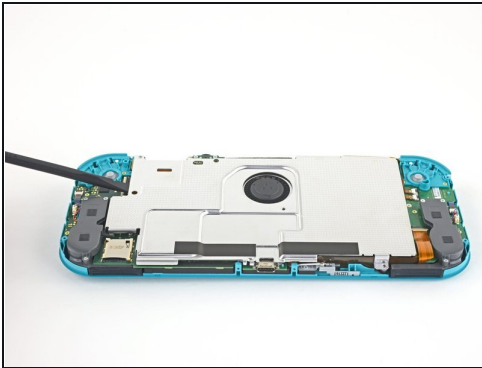
- Lift the bottom edge of the back panel, opening it like a book.
- Remove the back panel.

## Step 9 — Remove the shield plate



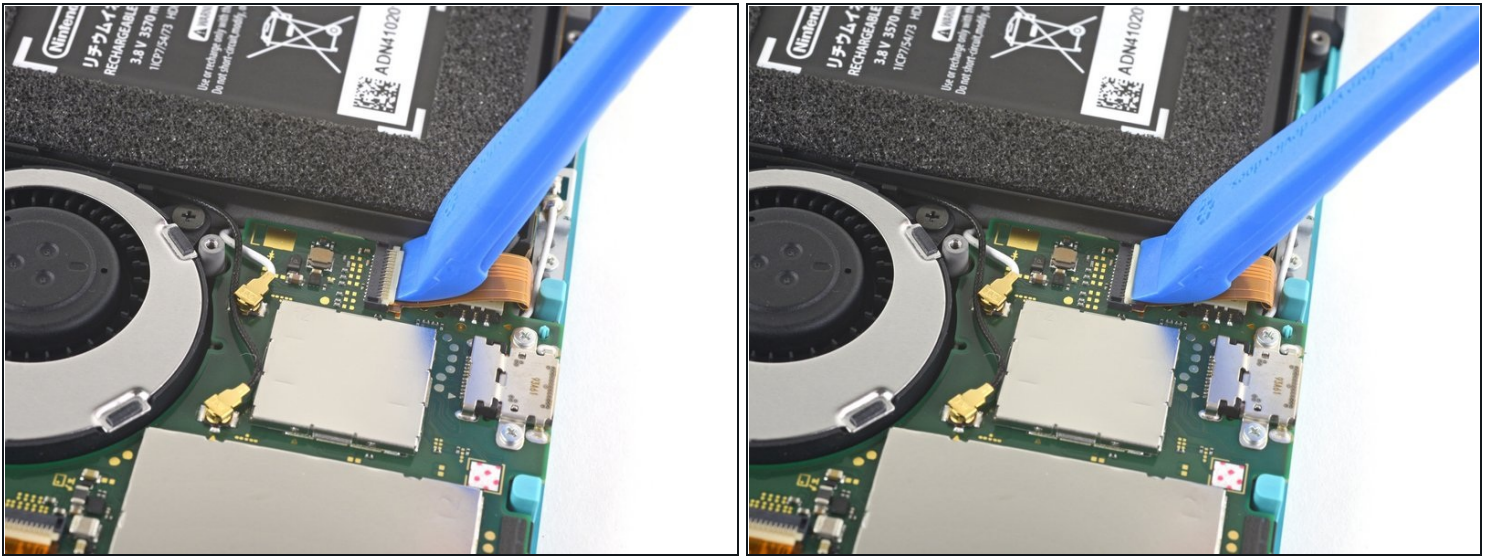
- Use a JIS 000 driver or an official iFixit PH 000 driver to remove the following four screws:
  - Three 3.1 mm screws
  - One 4.5 mm screw

## Step 10



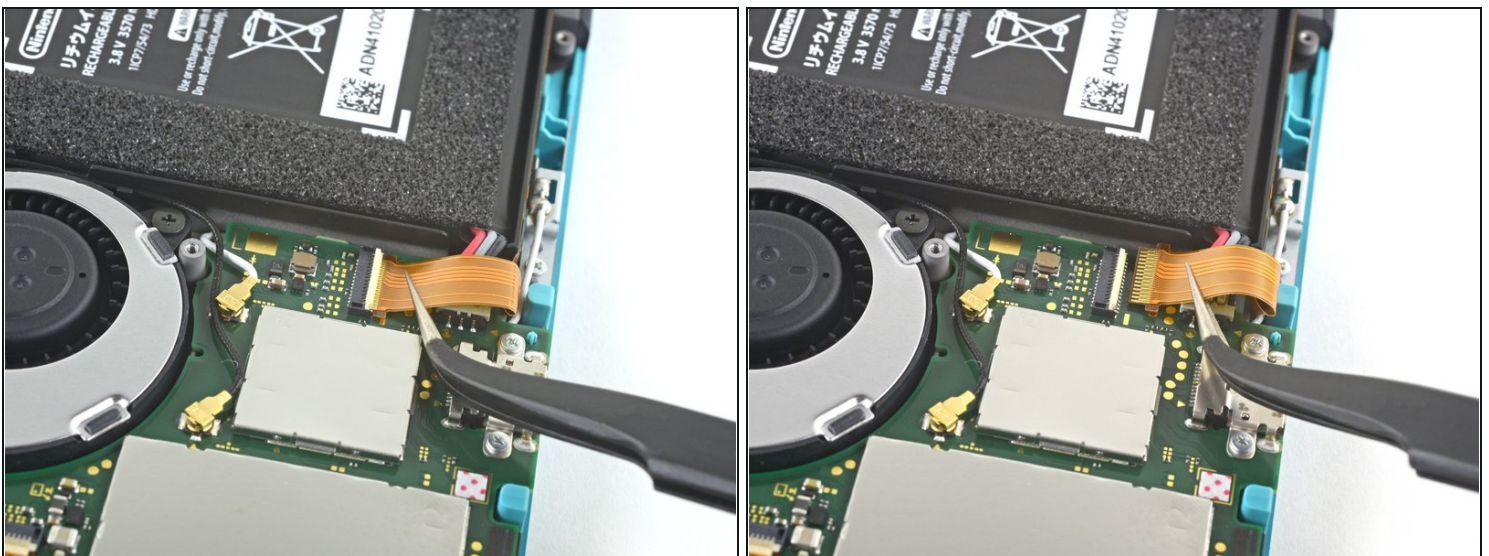
- Use a spudger or your fingers to lift the shield plate up and out of the device.
  - ① You may feel a bit of resistance. This is normal, since the shield plate is slightly bonded to the heat sink with thermal paste.
- Remove the shield plate.
  - ✦ Clean off the old thermal paste from the shield plate 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

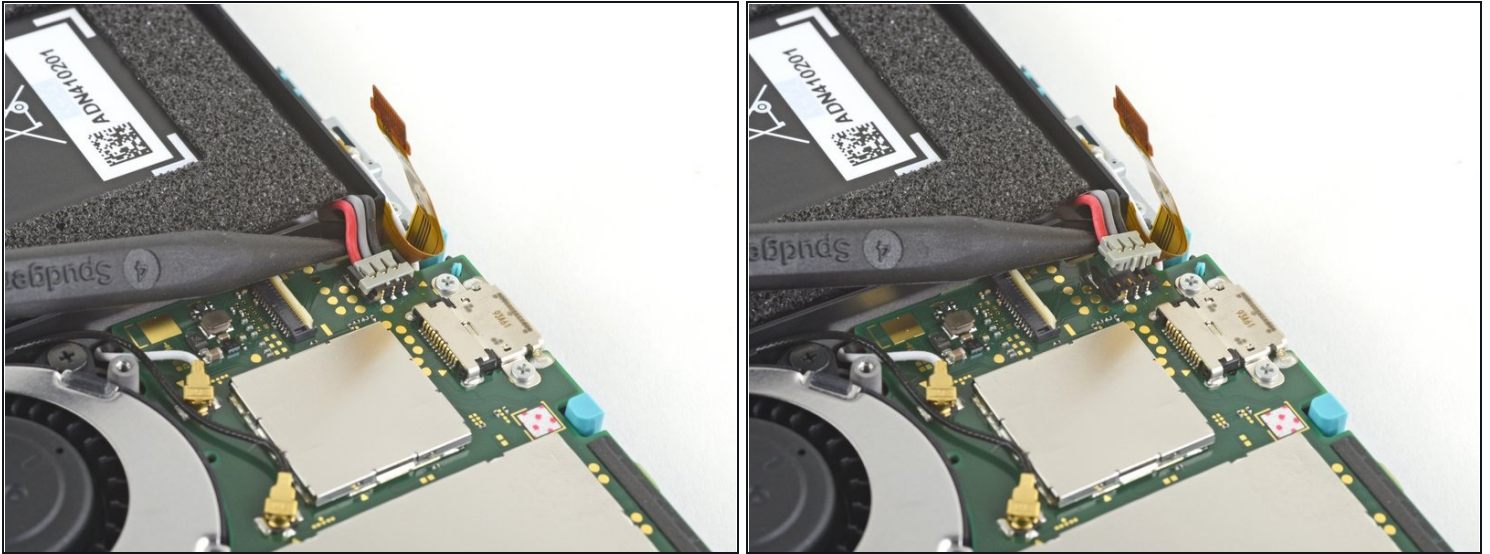


**⚠ Do Not Use Metal Tweezers!** Some fixers state that metallic tweezers can short circuit the ribbon cable/connector. It might be safer to just use nylon-tipped or ceramic-tipped tweezers.

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

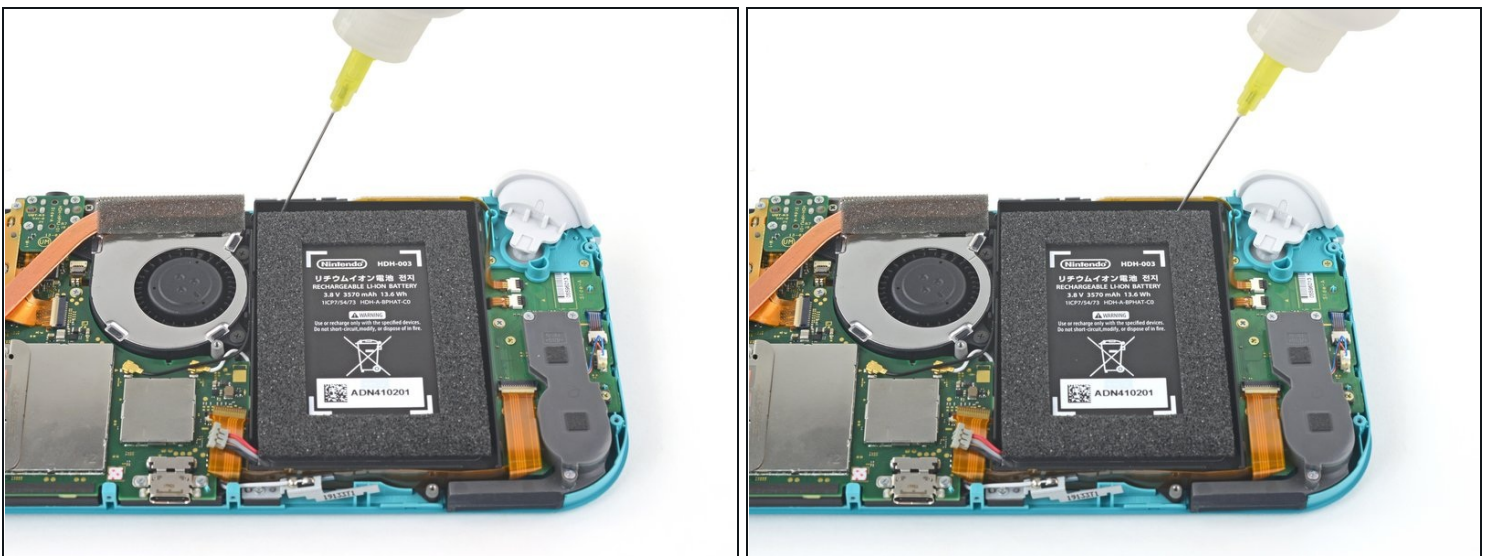


## Step 13



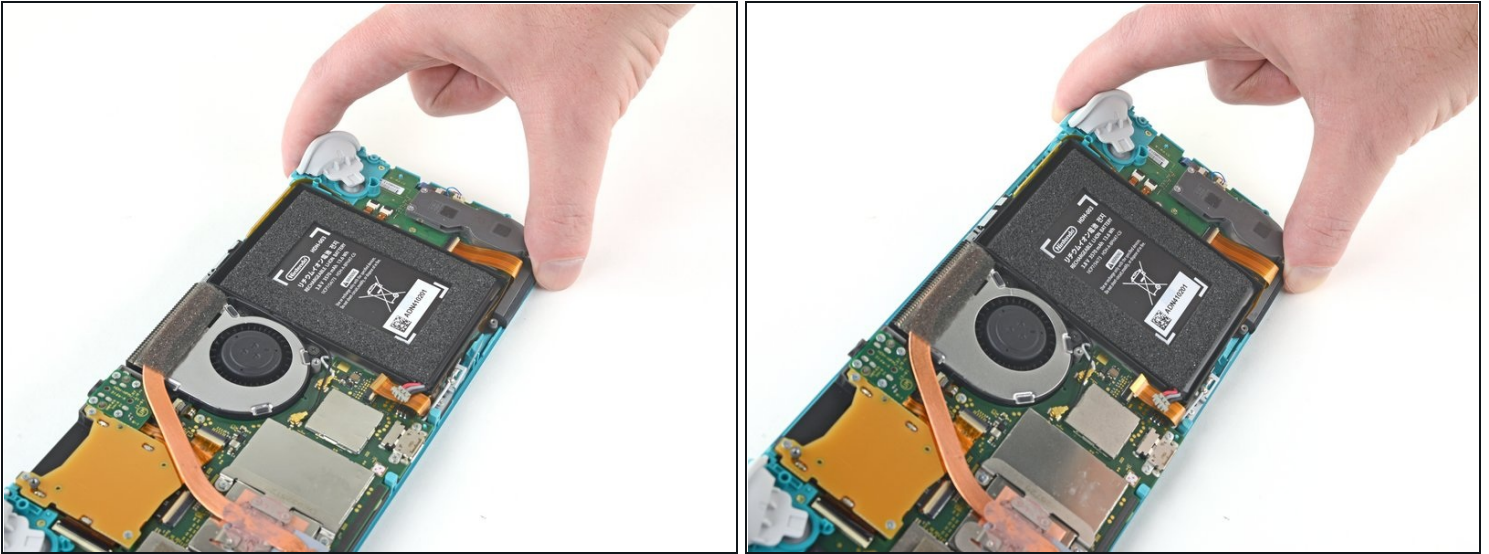
- Use the point of a spudger to pry the battery connector straight up and out of its socket on the motherboard.

## Step 14 — Remove the battery



- Apply a few drops of [adhesive remover](#) or high-concentration (90% or higher) isopropyl alcohol inside the battery recess along the top edge to weaken the adhesive.
  - ① If you are using adhesive remover, [follow these preparation steps first](#).

## Step 15



- Tilt the top edge of the device upward to allow the isopropyl alcohol to work its way underneath the battery.
- Hold for 1-2 minutes to allow time for the isopropyl alcohol to weaken the adhesive.

## Step 16



- Insert an opening pick into the gap between the battery and the wall of the battery well.
- Carefully dig the tip of the opening pick underneath the battery and slide it along the edge to begin slicing the adhesive.

**⚠ Take care not to puncture or bend the battery with your tool—a punctured or bent battery may leak dangerous chemicals or cause a thermal event.**

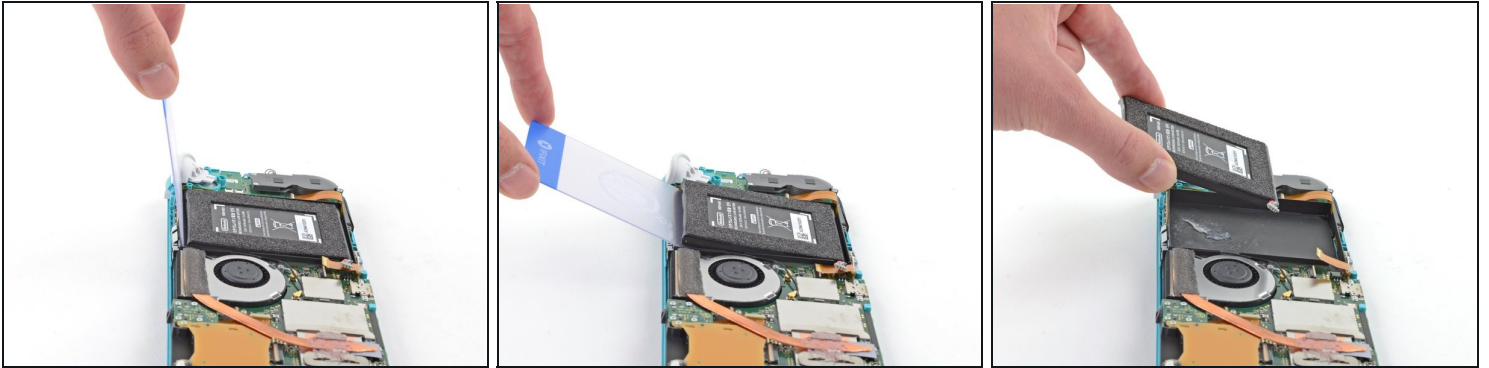
## Step 17



- Leave the opening pick in place and apply a few more drops of adhesive remover or isopropyl alcohol inside the battery well.  
**⚠ Don't apply more than a few drops at a time, or the liquid may seep under the screen.**
- Tilt the top edge of the device upward and wait 1-2 minutes for the adhesive remover to weaken the adhesive.
- Continue working the opening pick along the top edge of the battery, slicing more of the adhesive underneath.



## Step 18



- Once there's enough room, insert a [plastic card](#) underneath the battery and slowly pry the battery up.
  - ⓘ You may need to apply more isopropyl alcohol if you have difficulty prying.

⚠ Do not bend the battery while prying.

- Remove the battery.

⚠ Do not reuse the battery after it has been removed, as doing so is a potential safety hazard. Replace it with a new battery.

## Step 19



- Use adhesive remover or isopropyl alcohol and a [microfiber cloth](#) to clean up any remaining adhesive left behind in the battery well before installing the new battery.
- If your new battery does not come with pre-installed adhesive, [follow this guide to install pre-cut adhesive](#) on the bottom of the battery.



---

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

For optimal performance, [calibrate your newly installed battery](#) after completing this guide.

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.