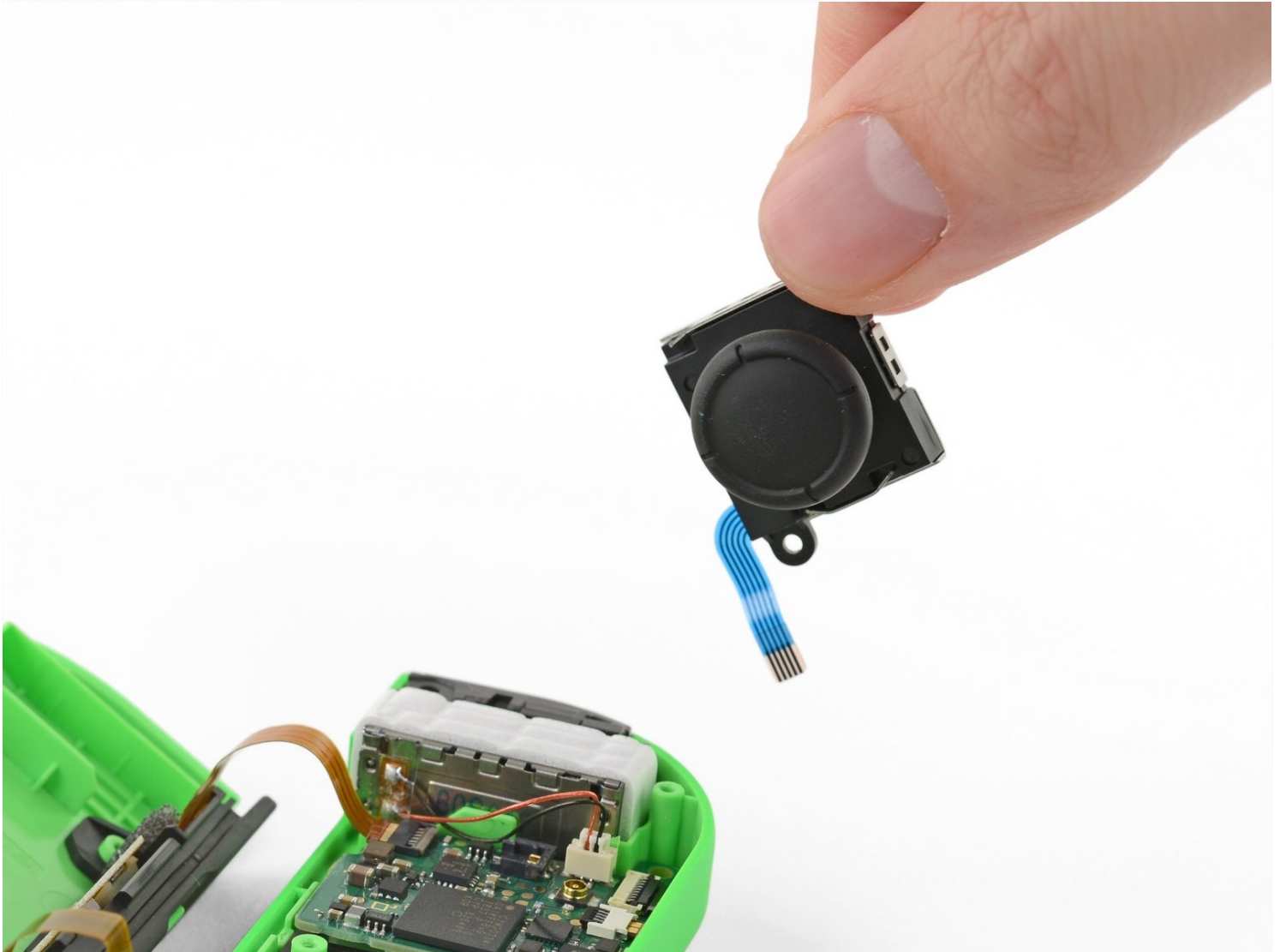




Right Joy-Con Joystick Replacement

The Nintendo Switch comes with two Joy-Con...

Written By: Kyler Saunders



INTRODUCTION

The Nintendo Switch comes with two Joy-Con controllers. This guide will show you how to replace the joystick of the **right** Joy-Con. The procedure for [repairing the left Joy-Con](#) is different, so be sure to follow the correct set of instructions for your controller.

Please note that this repair does not have the same steps as the left Joy-Con. If you are looking to replace the left Joystick, please follow my other guide with the specific details.



TOOLS:

Spudger (1)
Tweezers (1)
1 x Opening Picks (1)
Tri-point Y00 Screwdriver (1)
Phillips #00 Screwdriver (1)



PARTS:

Nintendo Switch Joy-Con/Switch Lite -
Gulikit Hall Effect Joystick (1)
Nintendo Switch Joy-Con/Switch Lite
Joystick (1)

Step 1 — Right Joystick



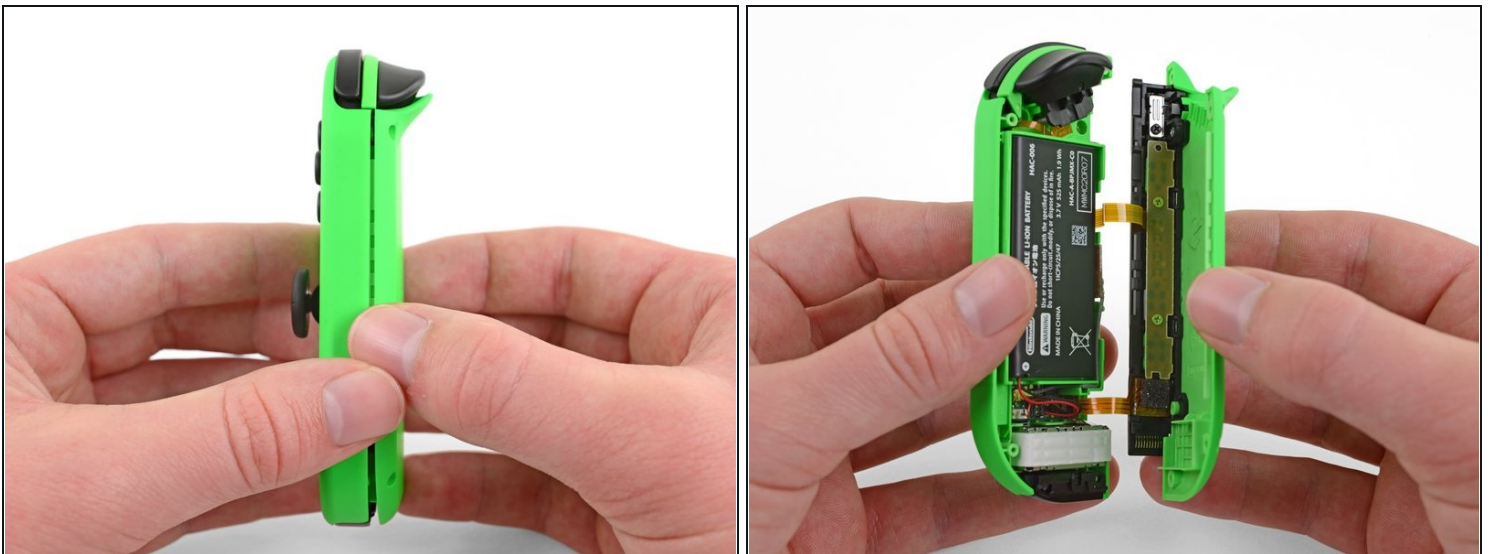
- Remove the four tri-point Y00 screws from the back panel of the Joy-Con.
- ① These screws are each 6.2 mm long, but it's still a good idea to [keep them organized](#) and make sure they go back in their proper holes!

Step 2 — Open the case



- Insert an opening pick under the lower side of the back panel (opposite the R and ZR buttons).
- Slide the flat edge of an opening pick up the side of the Joy-Con.
 - ⓘ Be careful not to slide the opening pick too far inside the Joy-Con. This may damage the inner components. The back panel has shallow interference-fit tabs on the side opposite the charging rail. These loosen fairly easily, so not much pressure is needed.

Step 3 — Open the case



- Open the Joy-Con like a book, with the charging rail facing away from you.

⚠ Don't try to fully remove the back panel yet. There are still two cables connecting the charging rail to the motherboard.

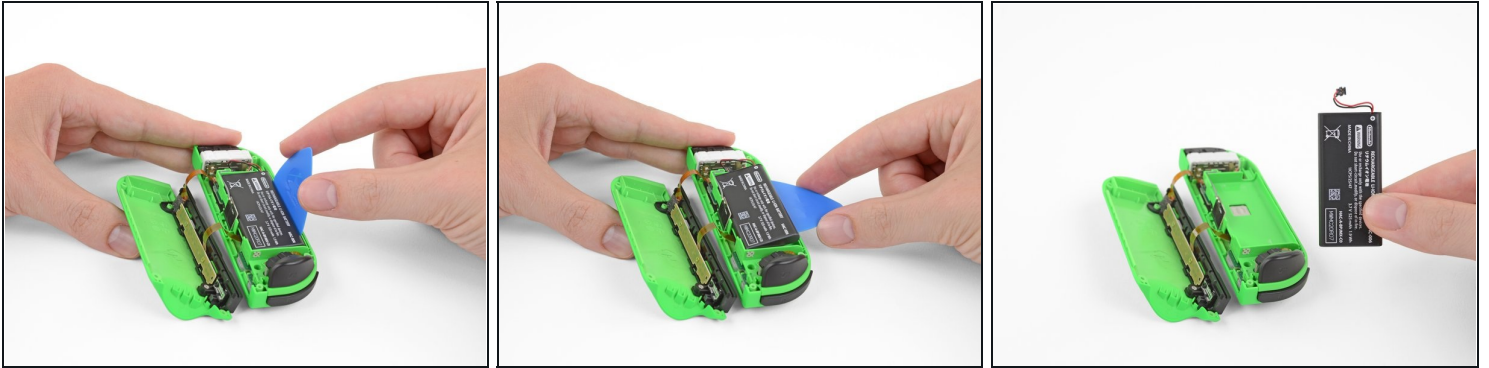
Step 4 — Disconnect the battery



- Use a spudger to gently pry the battery connector from its socket on the motherboard. This will keep the Joy-Con from powering on during the repair.

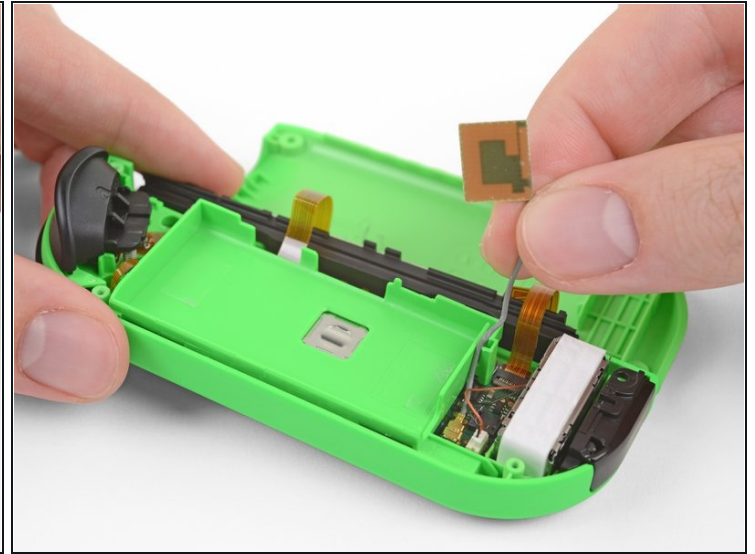
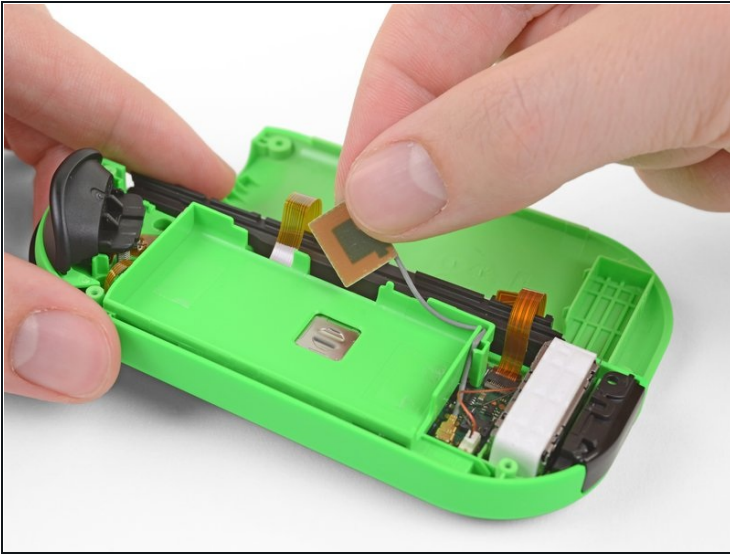
⚠ Be extremely careful while you pry up the battery connector. If it does not come up easily, try gently pulling on the wires to disconnect it.

Step 5 — Remove the battery



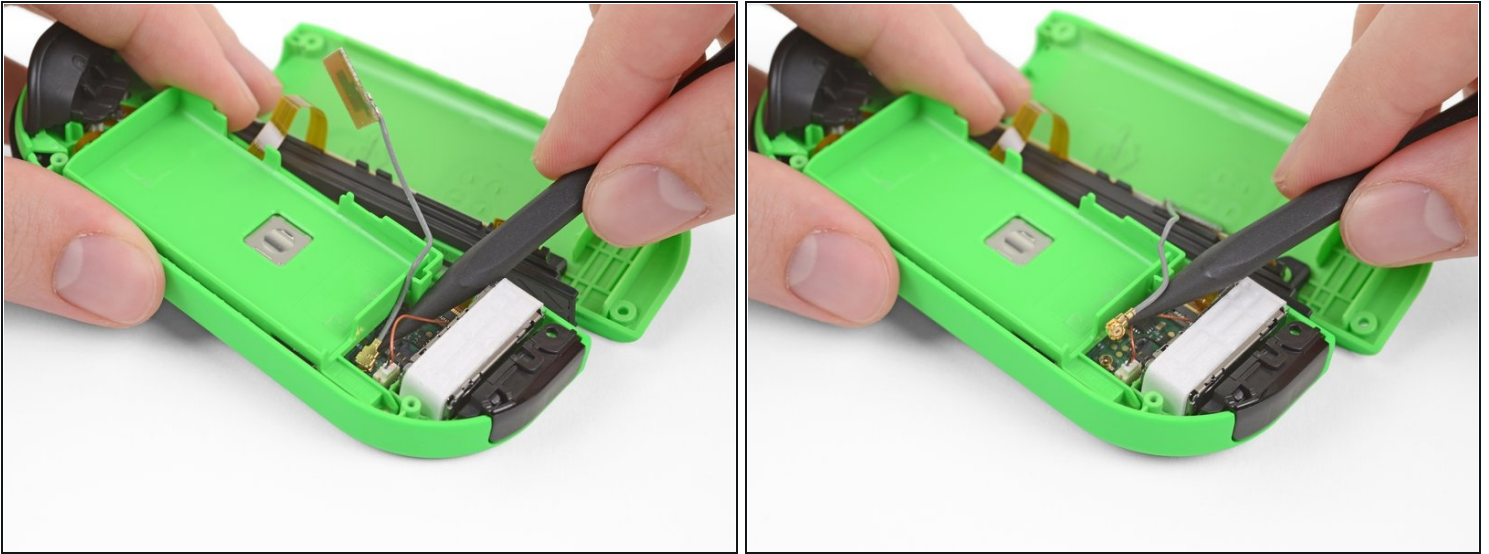
- ⓘ The following two steps show the removal of the battery and the coaxial antenna cable from the midframe. **These two steps make for a less cluttered repair, but are not essential.** If you want, you can leave the battery and the grey coax cable in place here and proceed to [step 7](#).
- Insert an opening pick between the battery and the Joy-Con housing. Gently pry out the battery, which is lightly taped in place.
- ⚠ Be careful not to deform or puncture the battery—it can catch fire or explode if damaged.

Step 6 — Remove the antenna



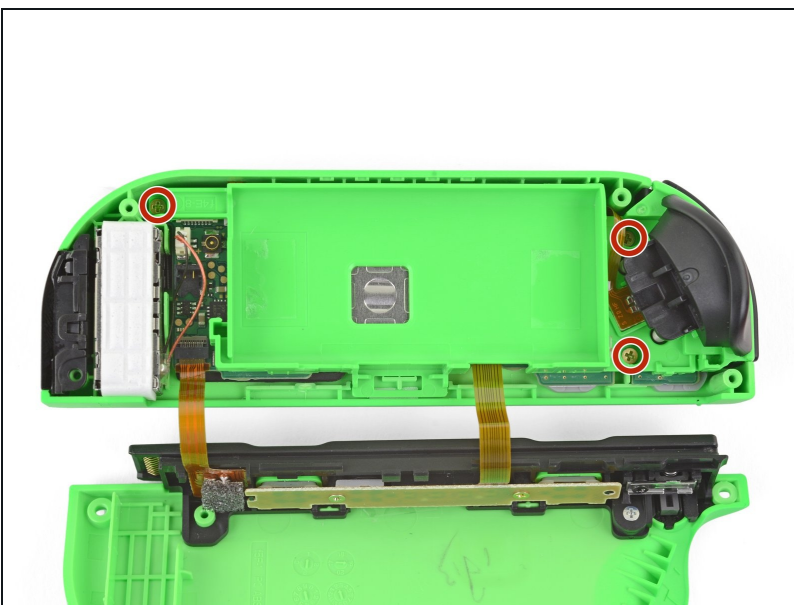
- ⓘ Before you perform this step, take note of how the antenna cable and its PCB are seated for proper reassembly later.
- Carefully de-thread the upper half of the grey antenna cable out of the battery cavity.

Step 7 — Disconnect the antenna



- Pry up with the pointy end of a spudger to disconnect the antenna cable's [coaxial connector](#) from the motherboard.
- Remove the grey antenna cable.
- ☑ During reassembly, reconnect the antenna cable, then make sure it is routed through the battery cavity in the midframe as it was before you took it out.

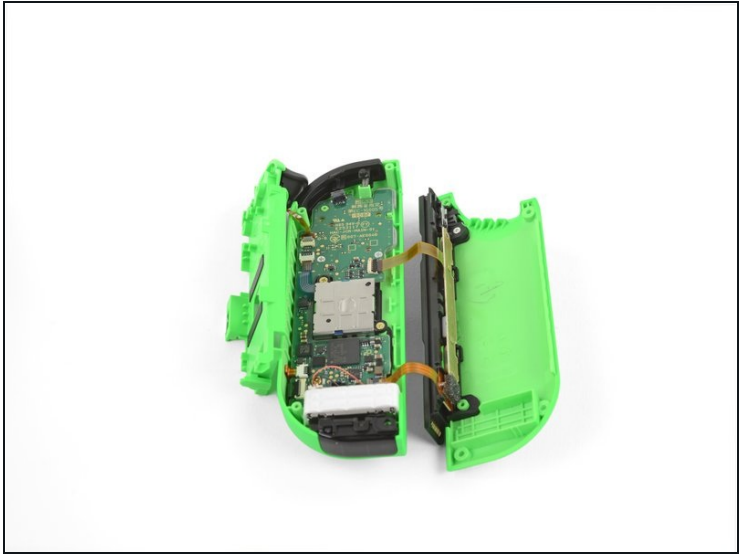
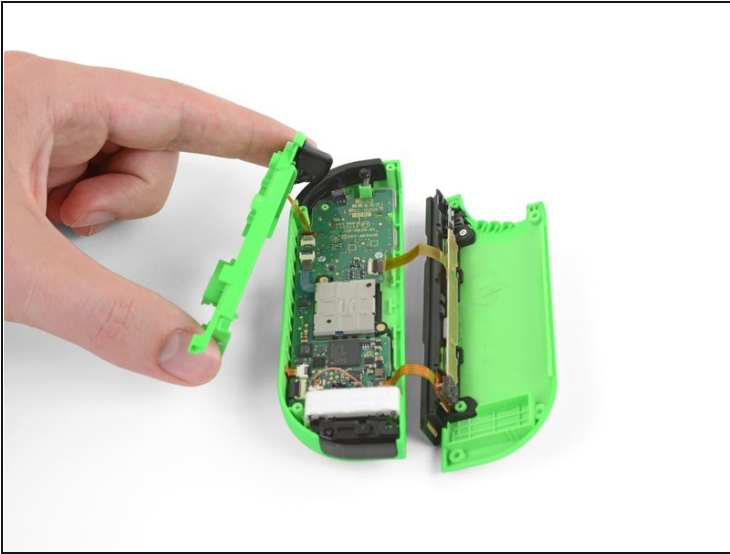
Step 8



- Remove the three 3.5 mm Phillips #00 screws on midframe.

⚠ **Do not attempt to remove the midframe yet.** There is a fragile cable that still connects the ZR button on the midframe to the motherboard underneath.

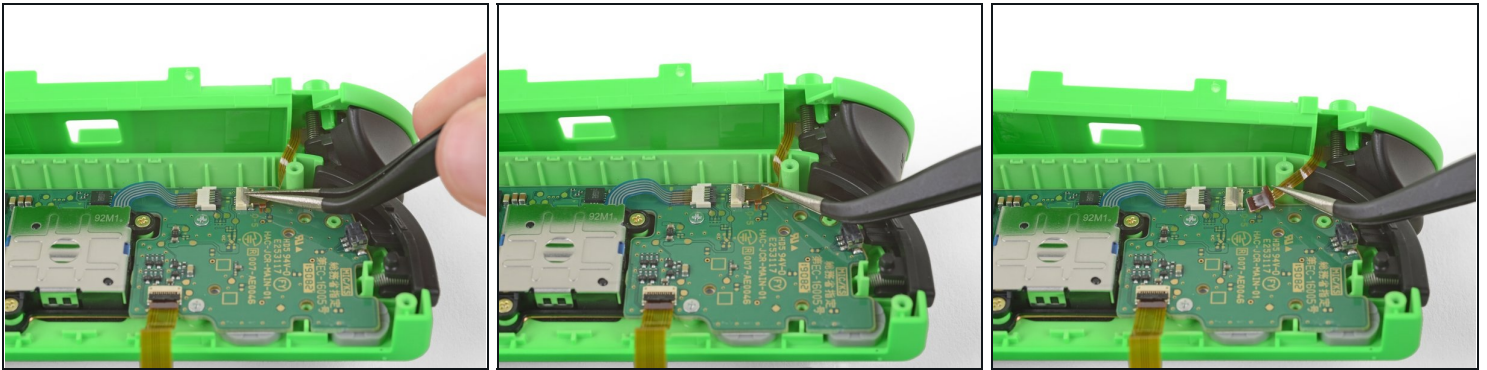
Step 9 — Remove the midframe



- Carefully flip the midframe over and away from the motherboard.

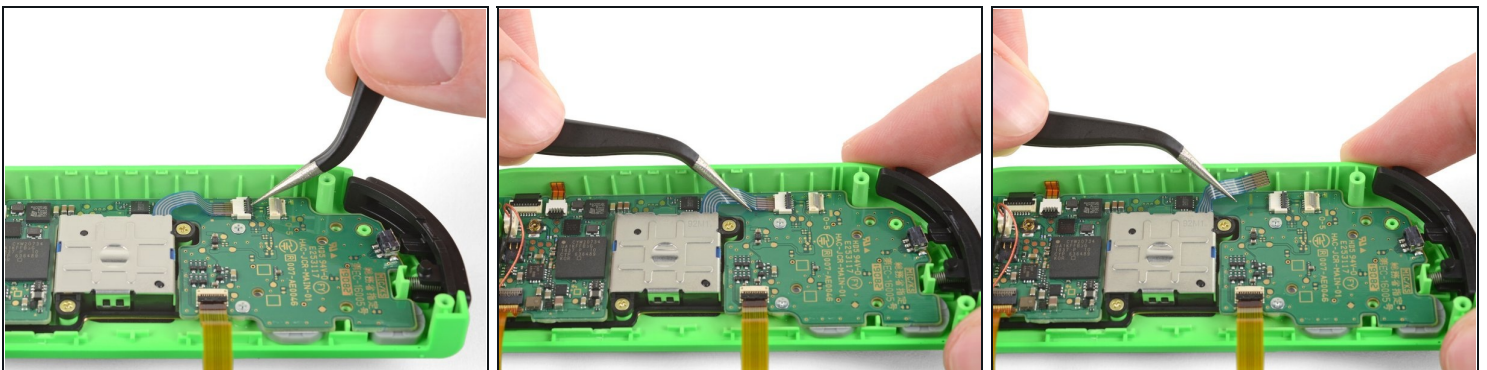
⚠ Do your best not to stress the short ribbon cable attached to the ZR button during this step.

Step 10 — Disconnect the midframe



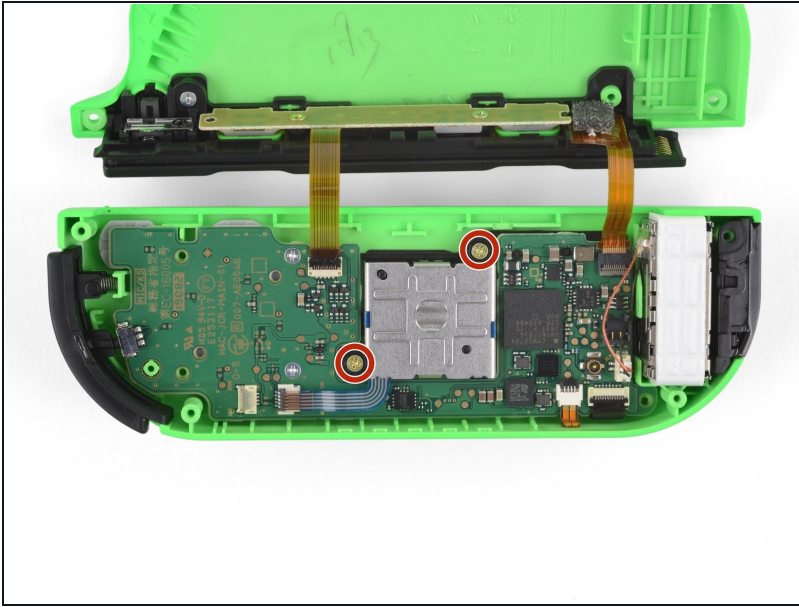
- The ZR button cable is locked in place by a small [ZIF connector](#) on the motherboard. Use [tweezers](#) or a spudger to flip up the ZIF connector lock.
 - Use tweezers to gently pull the ZR button flex cable out of the ZIF connector socket. The midframe is now disconnected and can be removed.
- ⓘ The ZR button cable in this Joy-Con is short and can be tricky to reconnect. **If you are worried about not being able to reconnect it, you can skip this step and leave it connected, which we recommend.**
- If you choose to leave the cable connected, **be careful**. Work slowly and do your best to keep the midframe from moving around as you perform the last few steps to avoid damaging the cable.

Step 11 — Disconnect the joystick



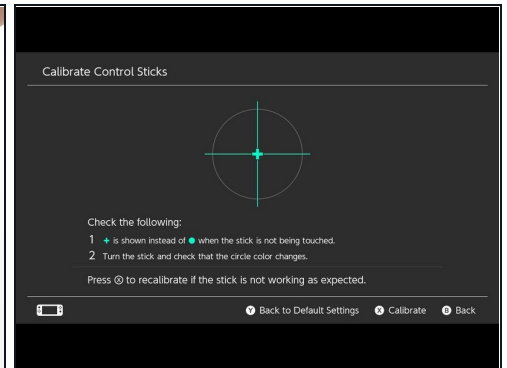
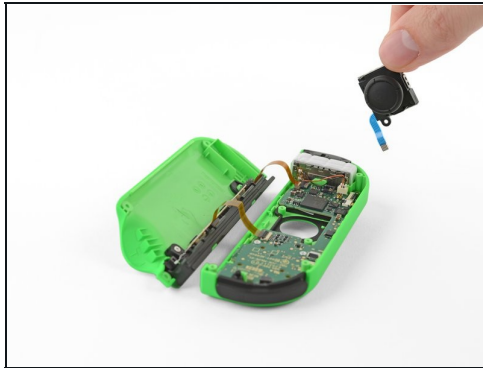
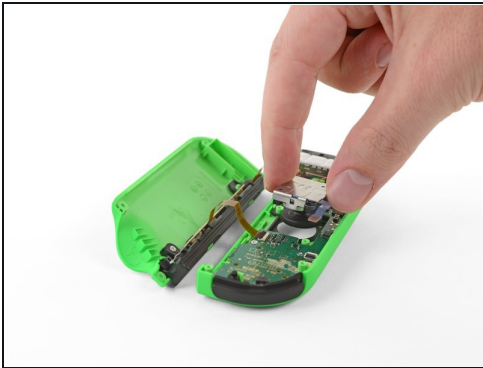
- The joystick cable is also locked into place by a ZIF connector. Use tweezers or a spudger to flip the ZIF lock upward and carefully disconnect the cable.

Step 12



- Remove the two 3.5 mm Phillips #00 screws from the joystick.

Step 13 — Remove the joystick



- Carefully remove the joystick from its housing.
- ① There is a thin black gasket around the hole where the joystick pokes through the Joy-Con. Do your best not to disturb this gasket as you remove the joystick!
- ★ Once the Joy-Con is fully reassembled, connect it to your Nintendo Switch and [calibrate the new joystick](#). Additionally, you may need to power cycle your Switch by holding down the power button for 10-15 seconds until it turns off, then turning it back on.

To reassemble your device, follow the above steps in reverse order.

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

Repair didn't go as planned? Check out our [Answers community](#) for troubleshooting help.