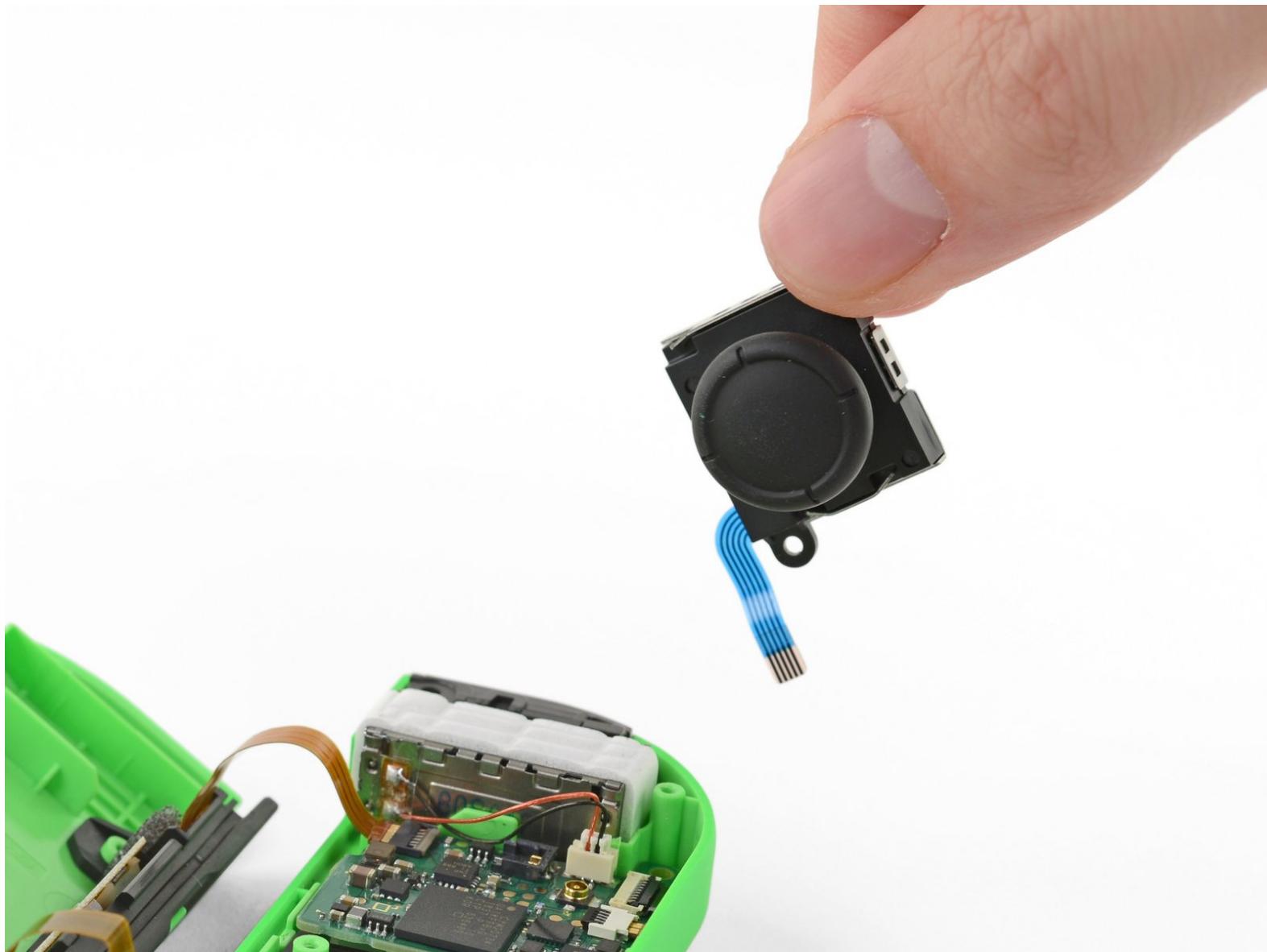




# Right Joy-Con Joystick Replacement

Replace the joystick on the right Joy-Con for the Nintendo Switch. This repair fixes the notorious "Joy-Con drift" issue.

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## 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 Joystick (1)

## Step 1 — Right Joystick



- Remove the four tri-point Y00 screws from the back panel of the Joy-Con.  
*(i)* 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



- 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.  
*(i)* Be careful not to slide the opening pick too far inside the Joy-Con. This may damage the inner components. The back panel loosens fairly easily, so not much pressure is needed.

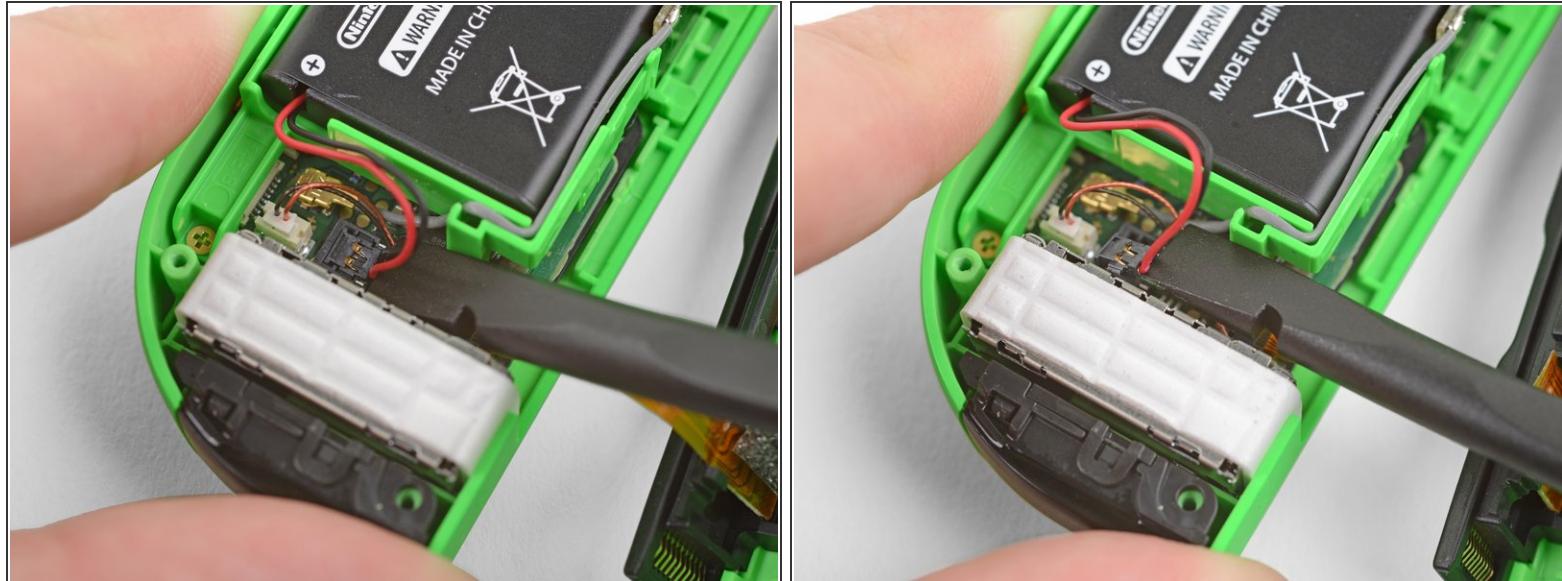
## Step 3



- 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.

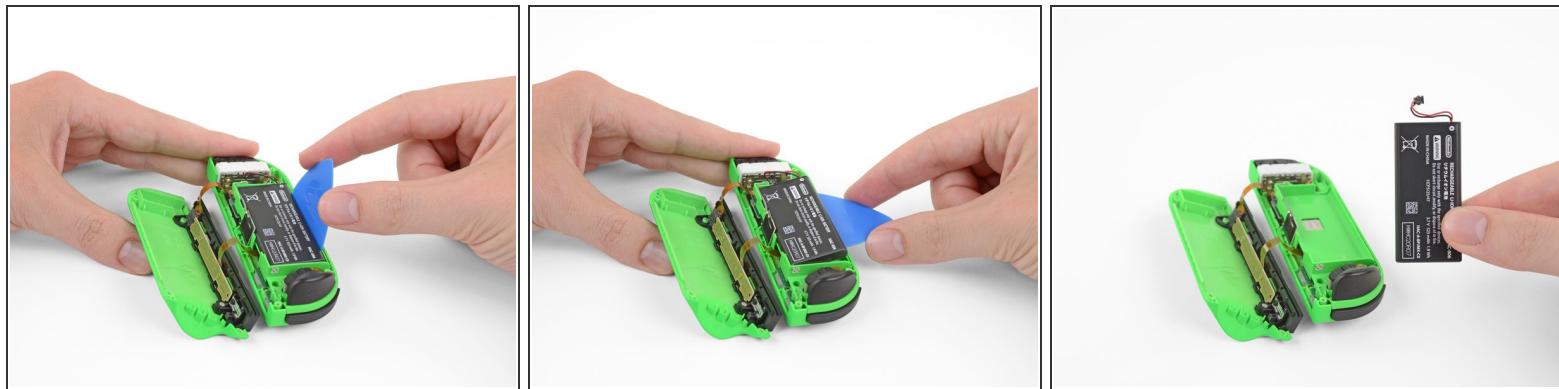
## Step 4



- 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

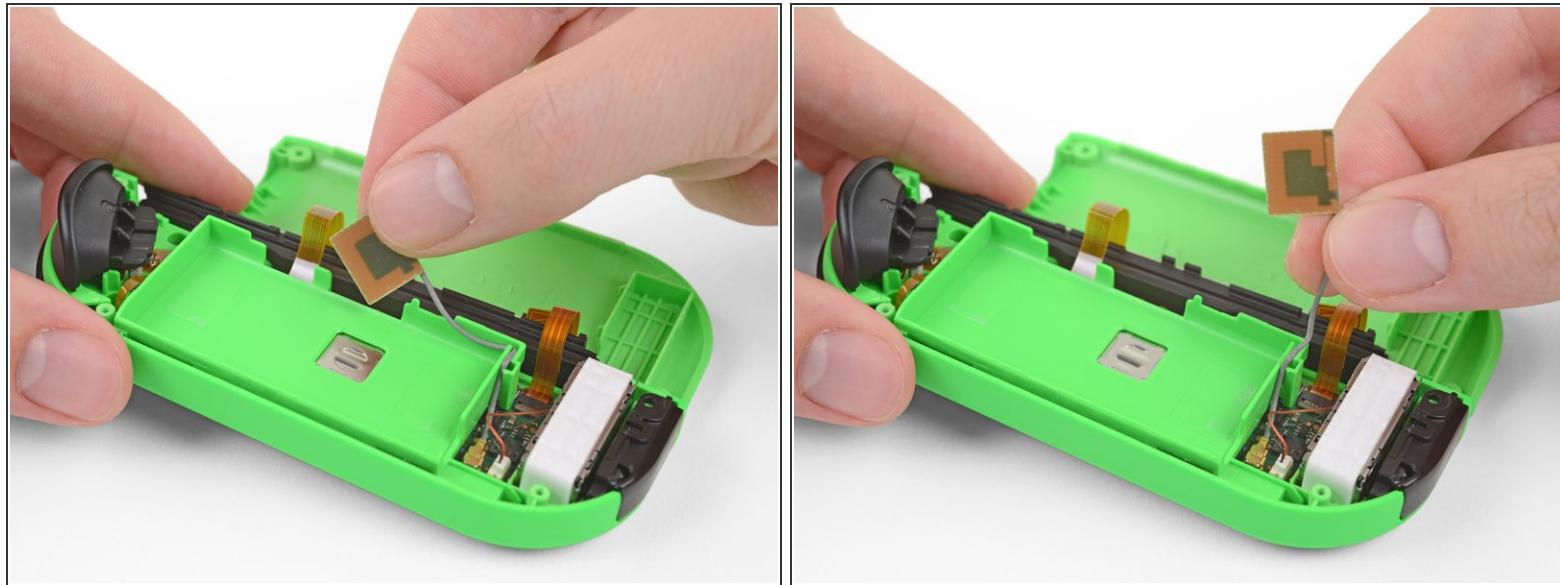


ⓘ The following two steps show the removal of the battery and the coaxial antenna cable from the midframe. **These two steps make for a less cluttered repair, but are not essential.** If you want, you can leave the battery and the grey coax cable in place here and proceed to [step 7](#).

- 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



- ⓘ 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.

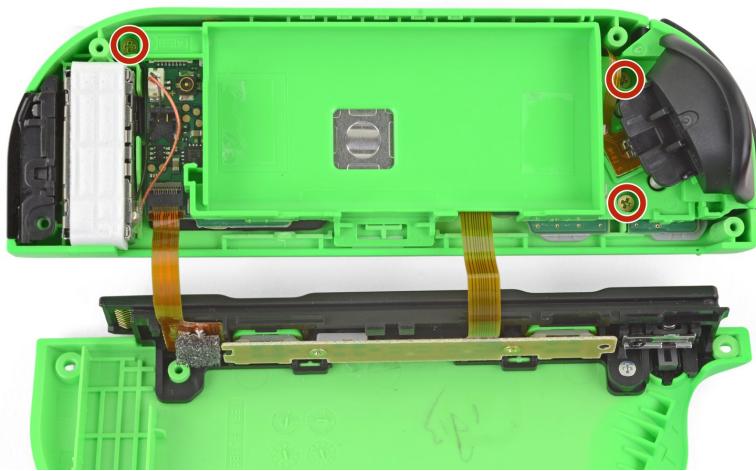
## Step 7



- 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.

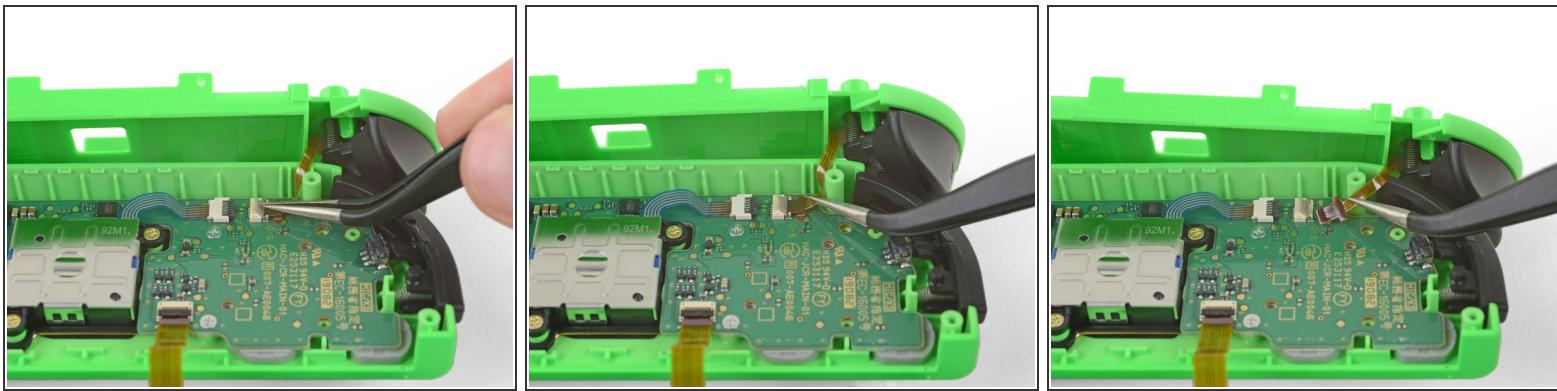
## Step 9



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

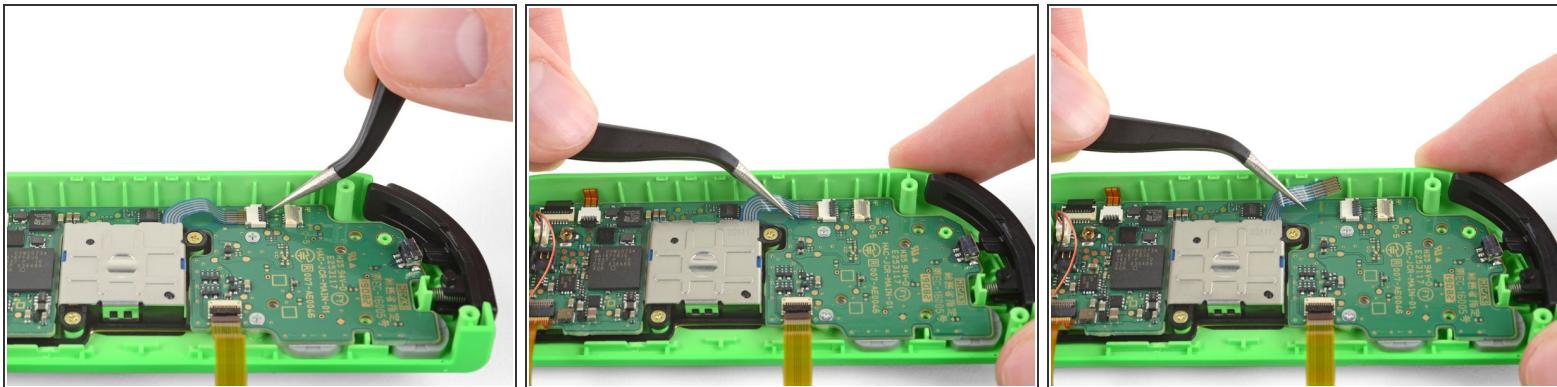
**⚠** Do your best not to stress the short ribbon cable attached to the ZR button during this step.

## Step 10



- 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.

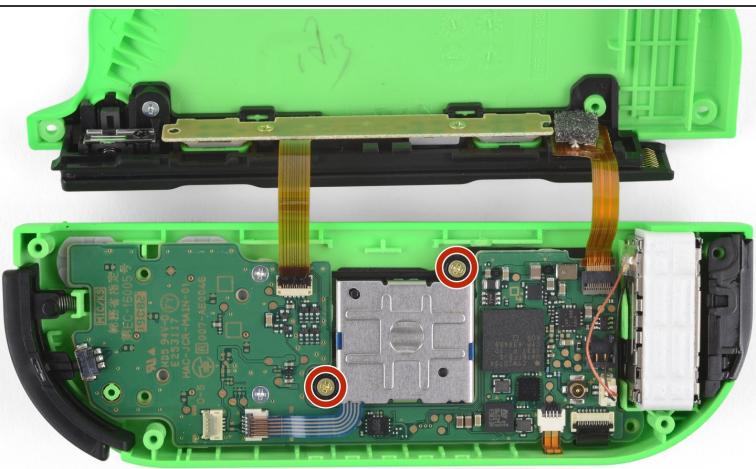
## Step 11



- 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



- Carefully remove the joystick from its housing.
- ⓘ 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](#).

**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.