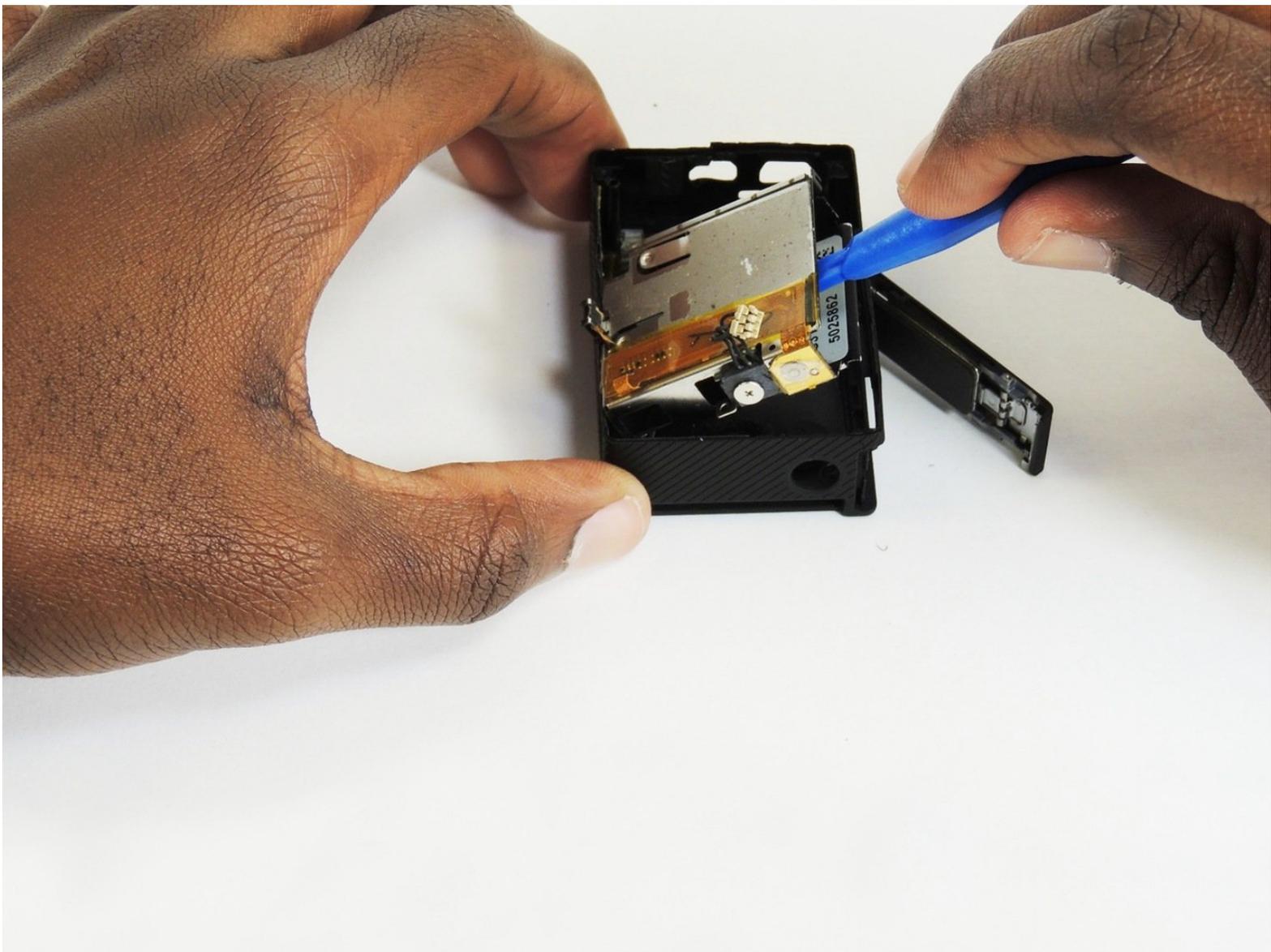




GoPro Hero4 Black Battery Housing and Rear Frame Replacement

Written By: Thomas Sullivan



INTRODUCTION

Replace the battery housing when the device will not power on but the battery has been verified to work.

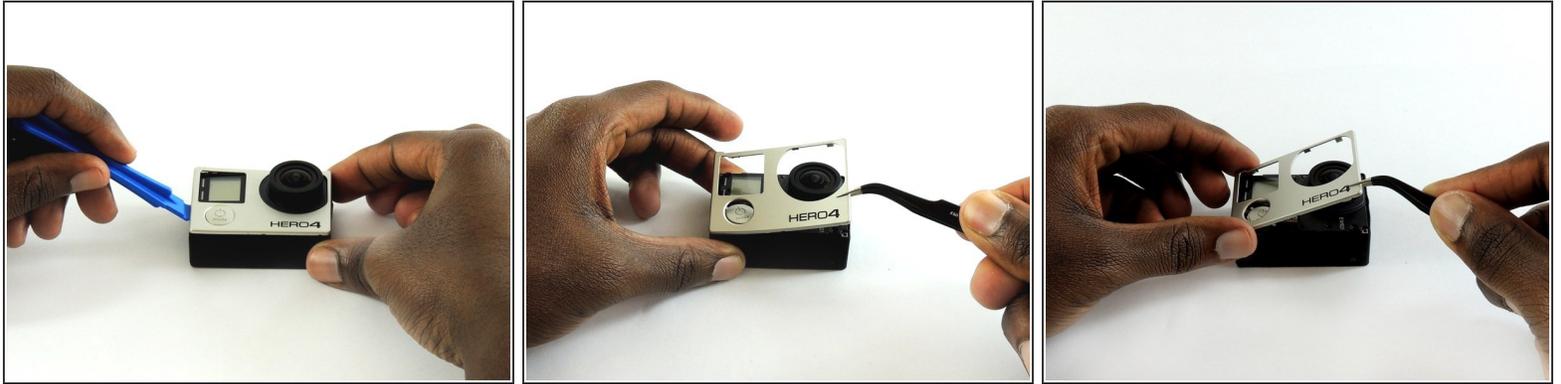
TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Metal Spudger](#) (1)
- [Tweezers](#) (1)

PARTS:

- [GoPro Hero4 Black Battery Enclosure](#) (1)
- [GoPro Hero4 Black Shutter Button](#) (1)

Step 1 — Midframe Housing



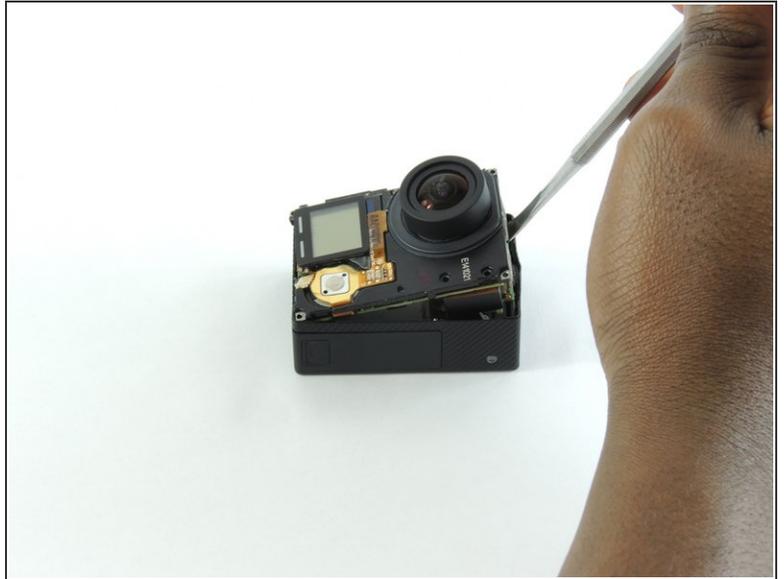
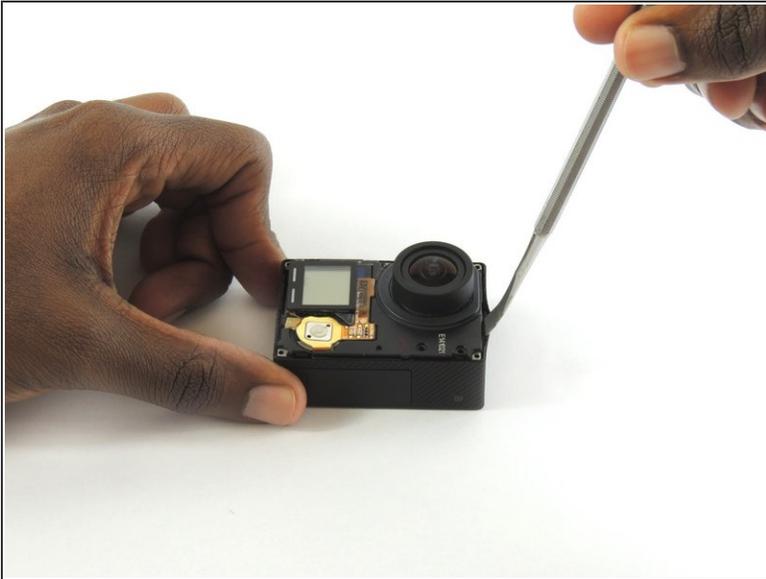
- Remove the faceplate by carefully prying around the edge using a plastic opening tool. Loosen the clips on the edge, then pull the faceplate off.
- Use the tweezers to lift the faceplate from the rest of the device.
- ☑ The power button on the front of the GoPro may pop off. Ensure to align it properly during reassembly.

Step 2



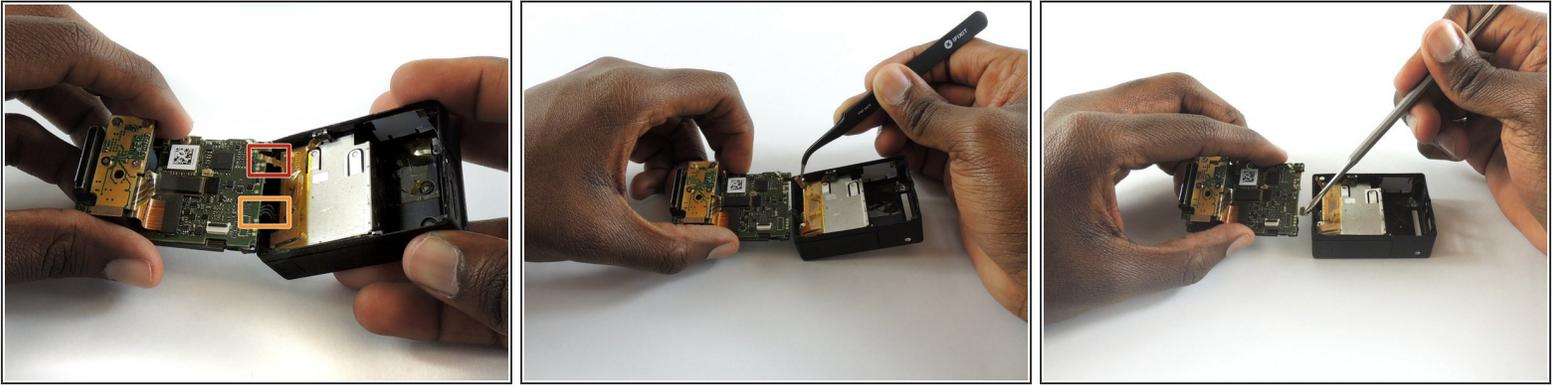
- Using a #00 Phillips head screwdriver, remove the following screws:
 - One 4.6 mm screw
 - Three 8.2 mm screws
 - Two 6.1 mm screws

Step 3



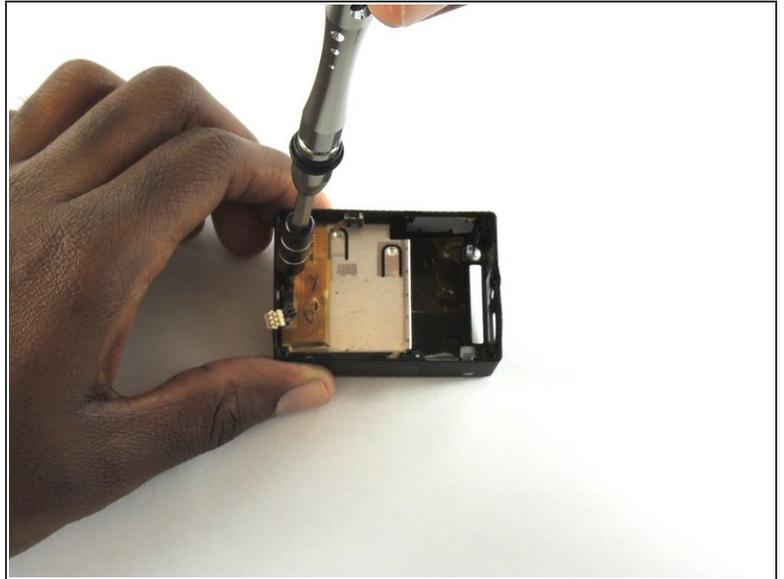
- Insert a metal spudger between the back plastic housing and the camera board assembly. Working around the edge to be careful of the inner components, carefully remove the camera.

Step 4



- Using tweezers, remove the ribbon strip by pulling on it. This will remove the connection.
 - Push down on the three wires with the metal spudger and the clip will disconnect from the motherboard.
- ⚠ The clip must be pulled **up and away** from the motherboard. Attempting to slide it out will damage the clip.
- ★ During reassembly, remove the black tape on the ribbon cable, turn the camera upside down so you can see the port, and reinsert the cable with tweezers. It's a lot easier!

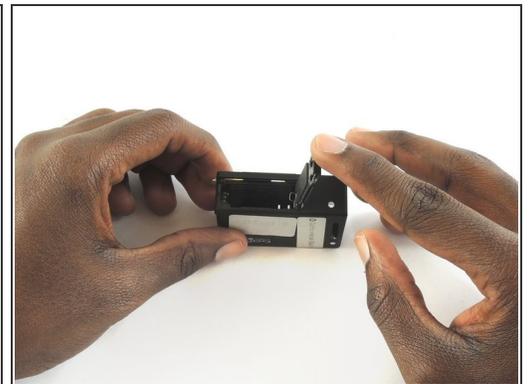
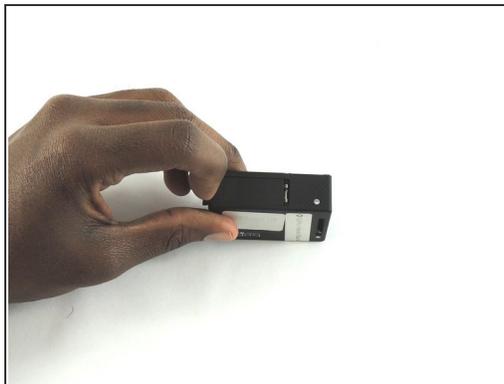
Step 5 — Battery Housing and Rear Frame



- Using a #00 phillips head screwdriver, remove the two 3.0mm screws

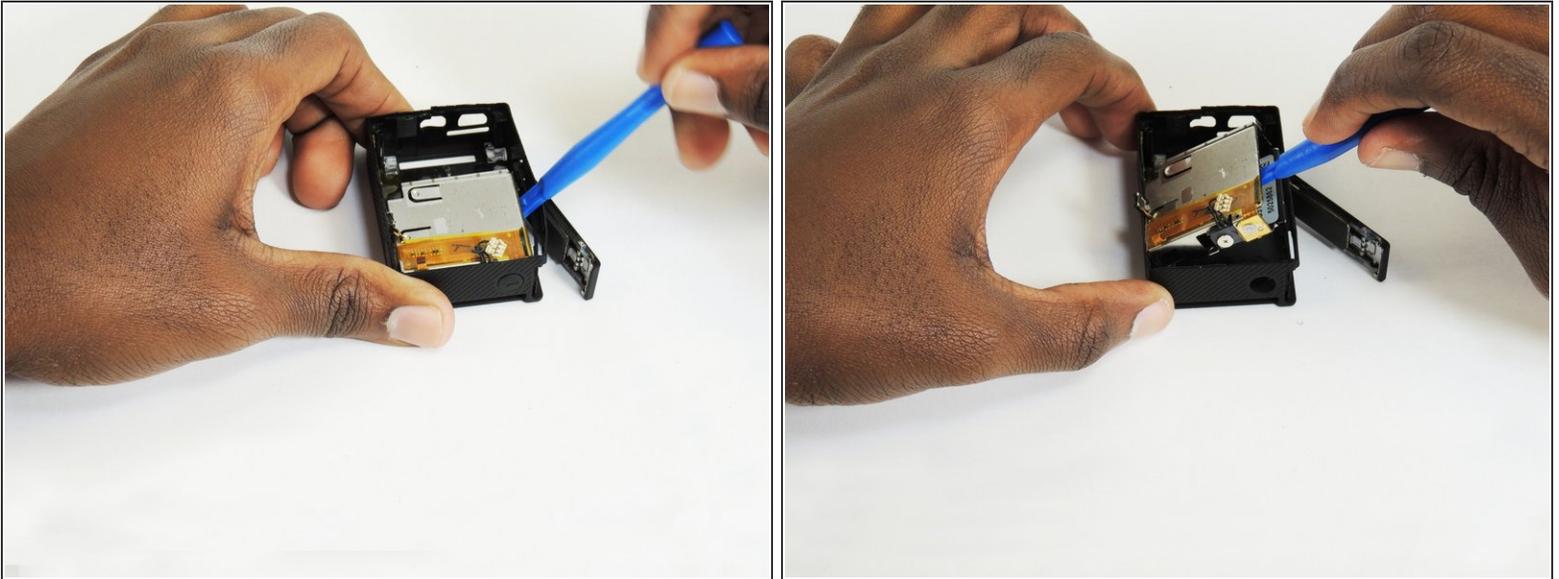
i The top screw is missing from our device, but it is in the approximate location of the top circle.

Step 6



- Be sure to lift the battery cover before proceeding.

Step 7



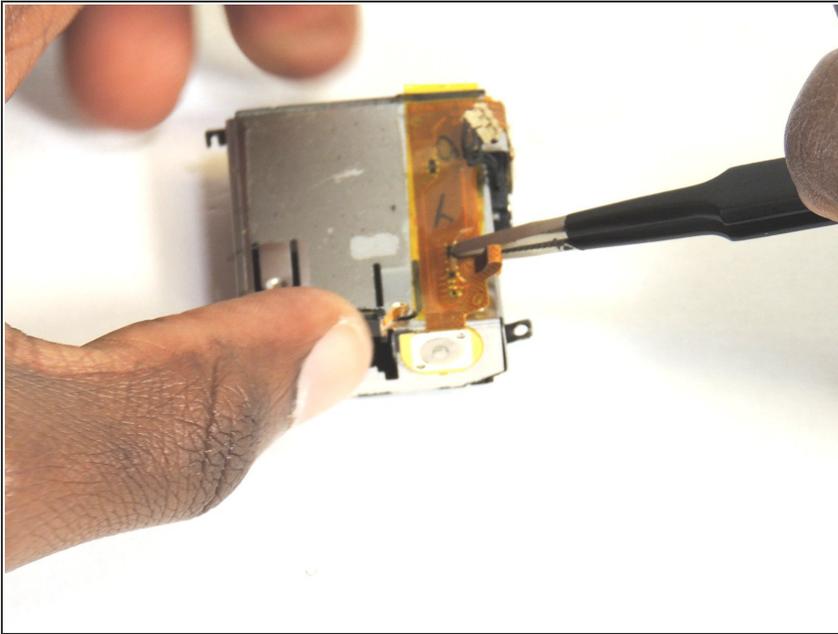
- Using plastic opening tool, pry battery housing from the rear frame.
- ⓘ When prying the housing off, the record and setting buttons may fall off.

Step 8



- De-solder the shutter button board from the battery enclosure.
- ⓘ In case you are new to soldering, here is [ifixit's soldering guide](#)
- ⓘ 3rd party sellers have the battery housing with the shutter button board already attached. If you have purchased this, begin reassembly.

Step 9



- Using tweezers, carefully remove the shutter button board the rest of the way from the battery housing.

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