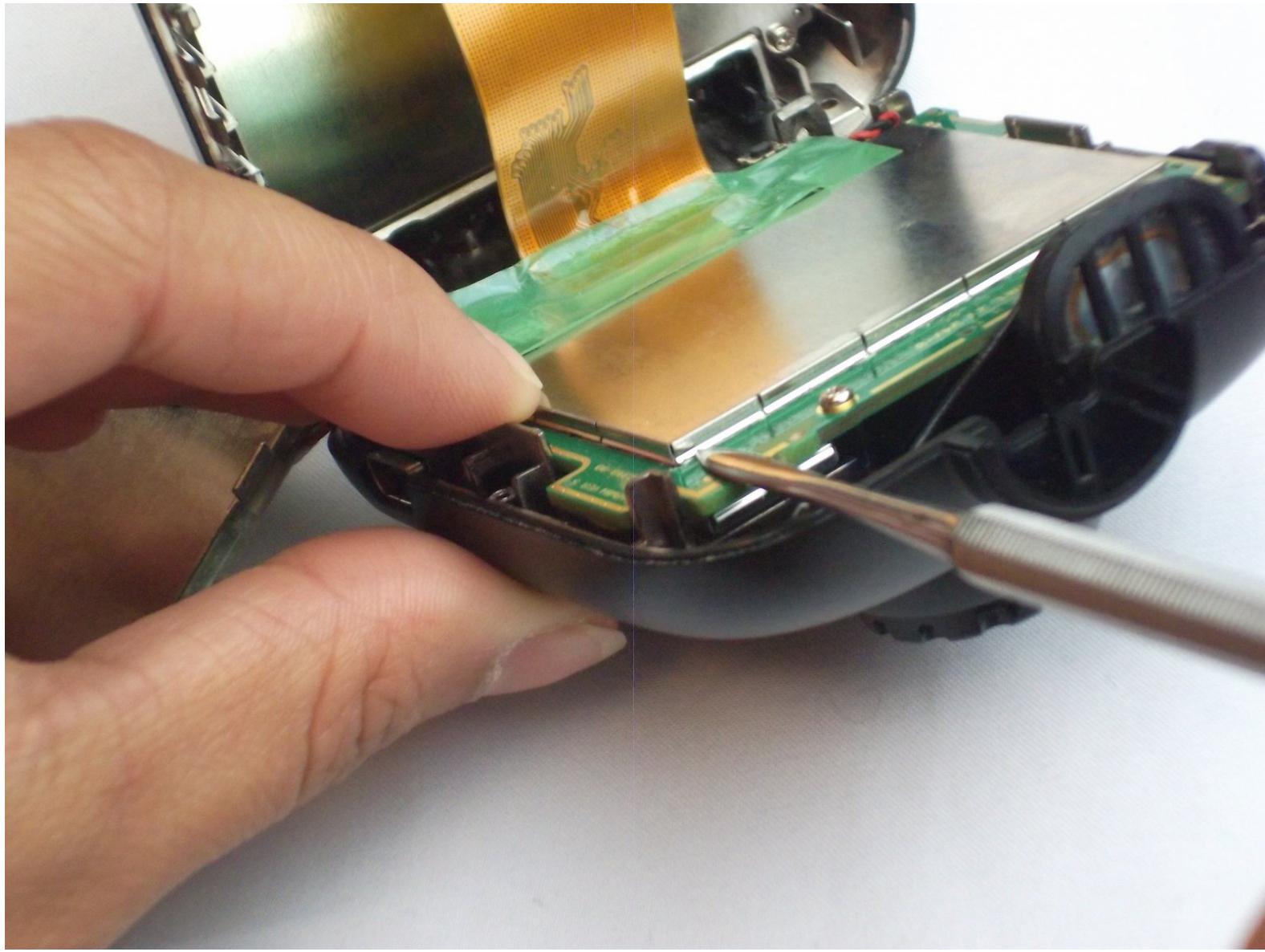




# Garmin Dash Cam 20 Motherboard Replacement

This guide will walk users through gaining access to the motherboard of their Garmin Dash Cam 20.

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 **TOOLS:**

- **Metal Spudger** (1)
- **T5 Torx Screwdriver** (1)
- **T6 Torx Screwdriver** (1)
- **Tweezers** (1)

## Step 1 — Internal Assembly



 Be sure to turn off the Dash Cam by pressing the power button.

## Step 2



- Rotate the Dash Cam to where the socket faces you.
- Remove the 9 mm screw using the Torx T6 screwdriver.

## Step 3



- Remove the Dash Cam socket piece.

## Step 4



- Rotate the Dash Cam to where the product information faces you.
- Remove the two 5 mm screws using the Torx T5 screwdriver.

## Step 5



- Remove top case from the bottom case.

*(i)* The compact nature of the casing requires use of the metal spudger for needed leverage.

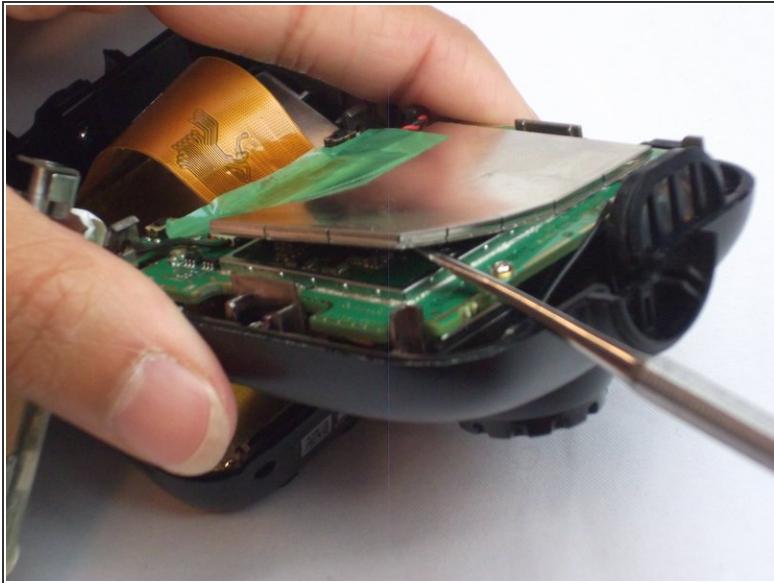
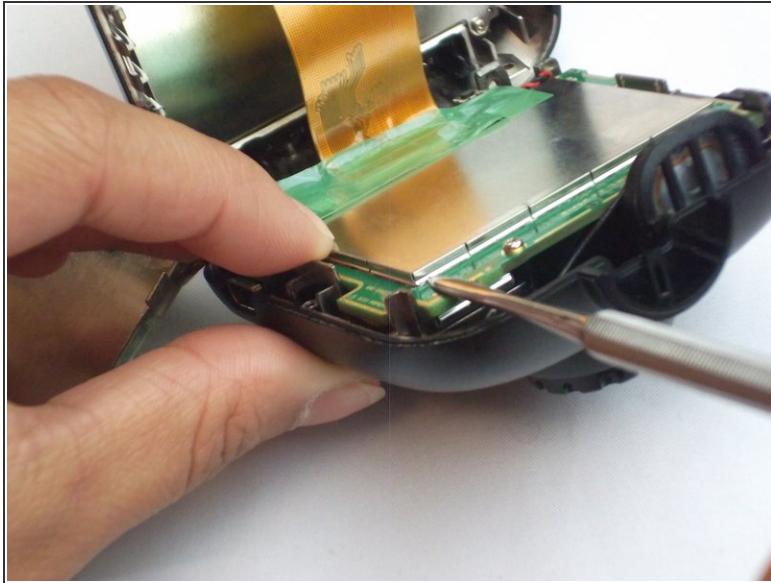
## Step 6



- Remove the two 5mm screws using the Torx T5 screwdriver

*(i)* By removing the screws, the metal battery frame will now become free from the rest of the device.

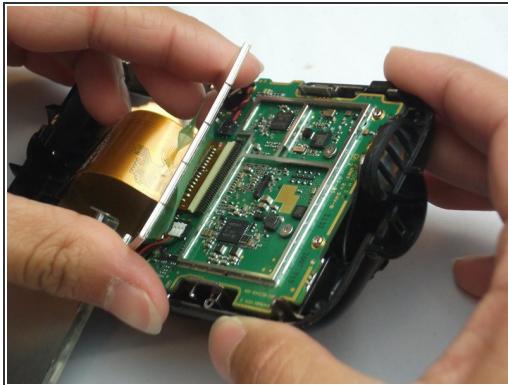
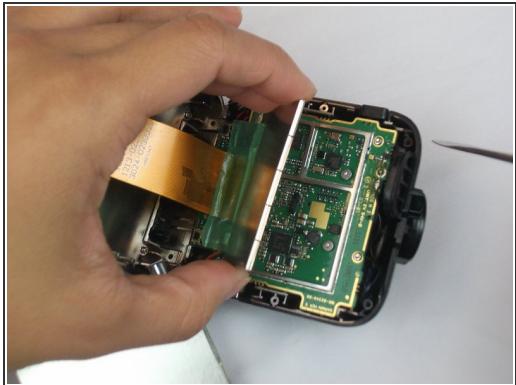
## Step 7 — Motherboard Components



**⚠** This step shows the use of an incorrect tool. Always use an ESD safe tool, like a nylon spudger, when working with delicate internal components.

- Use the nylon spudger to pry the corner of the case off of the motherboard.

## Step 8



- Remove the metal case off of the motherboard.

## Step 9



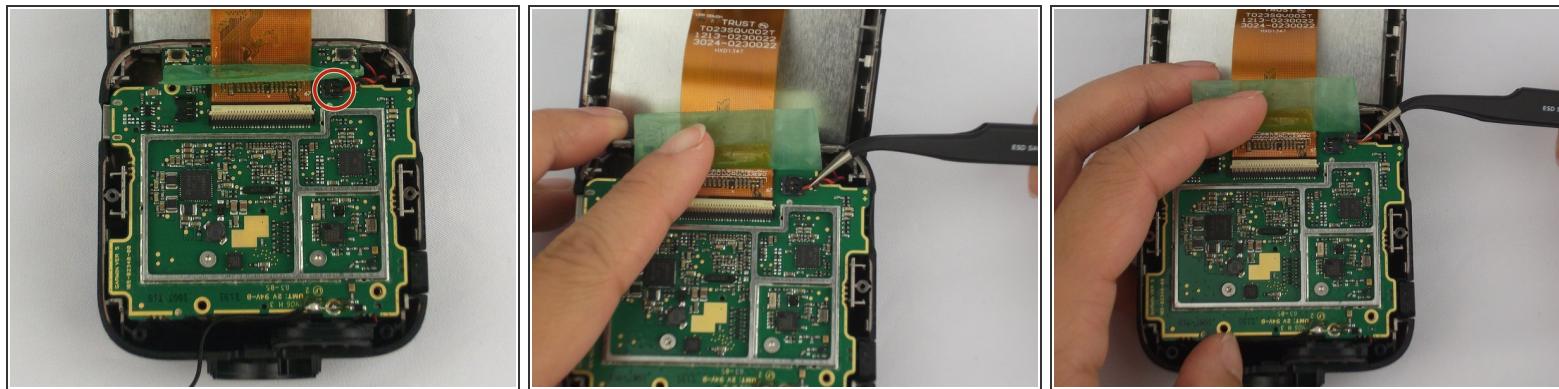
- Remove the battery connection.

## Step 10



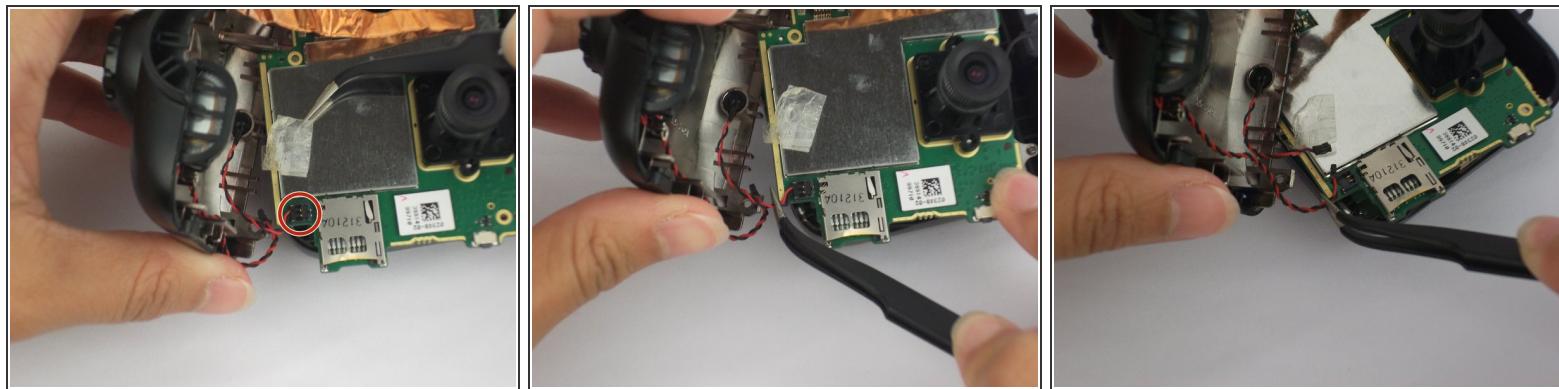
- Remove the three 5 mm screws using the Torx T5 screwdriver.

## Step 11



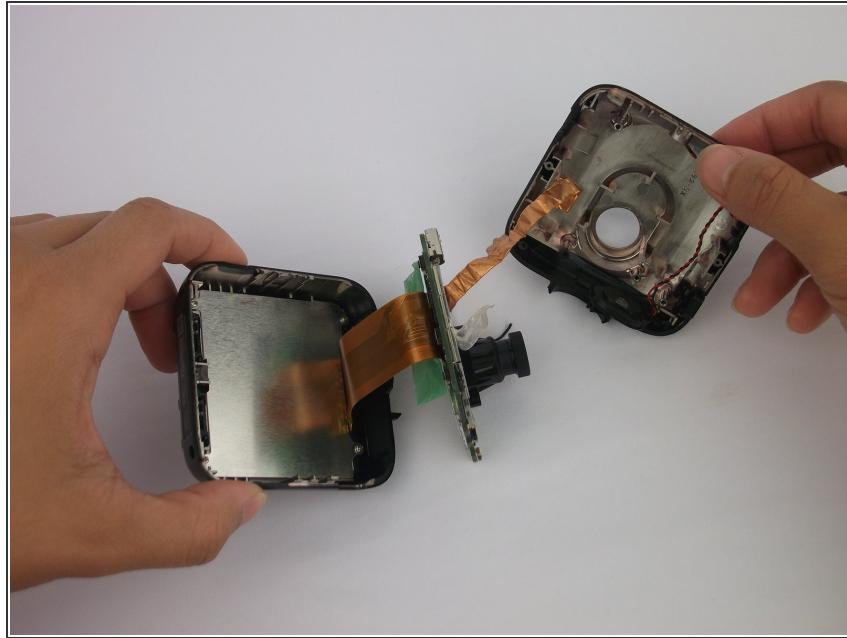
- Use tweezers to remove the connector on the top right of the motherboard.

## Step 12



- Remove the motherboard from the case and flip to reveal SD connection.
- Use tweezers to remove the connector next to the SD card slot.

## Step 13



- The motherboard is now removed aside from the copper strip and its connector.
- Disconnect from the front case and the copper strip.

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