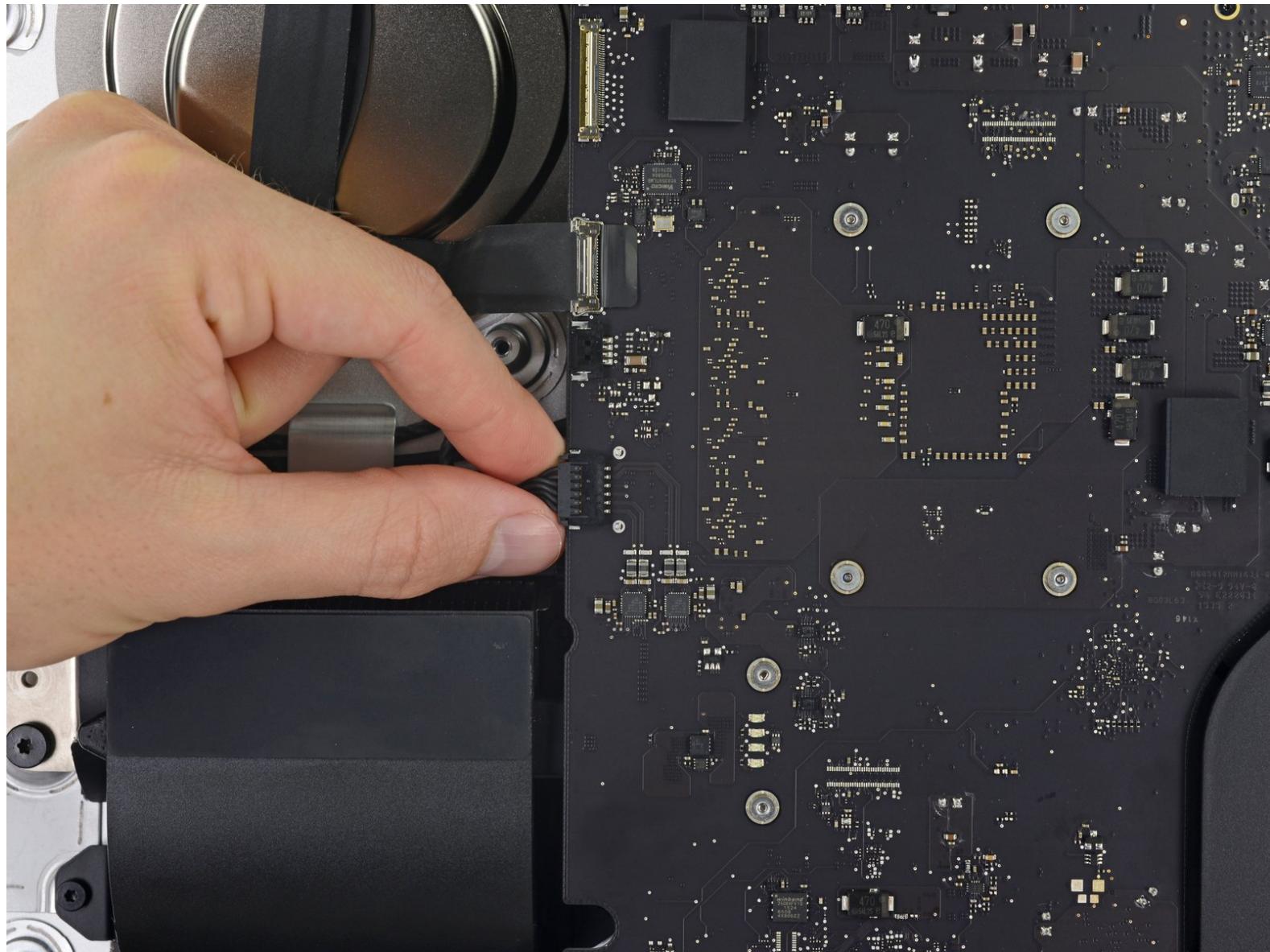




# iMac Intel 21.5" EMC 3068 Logic Board Assembly Replacement

Prerequisite for removing the logic board from a iMac Intel 21.5" EMC 3068.

Written By: Adam O'Camb



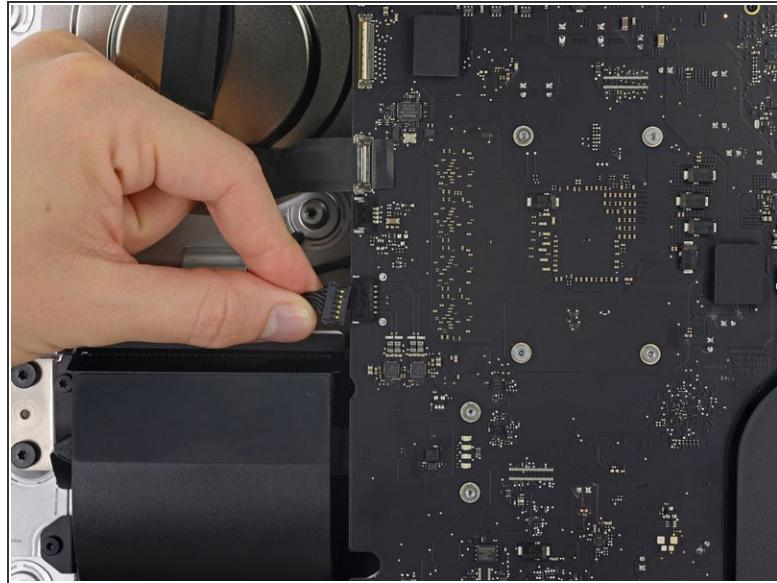
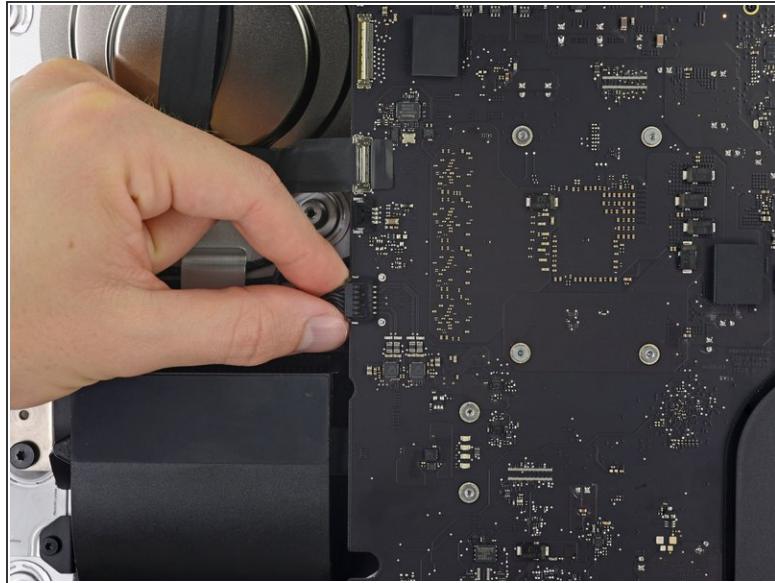
## INTRODUCTION

Prerequisite-only guide for removing the logic board assembly from a iMac Intel 21.5" EMC 3068.

### TOOLS:

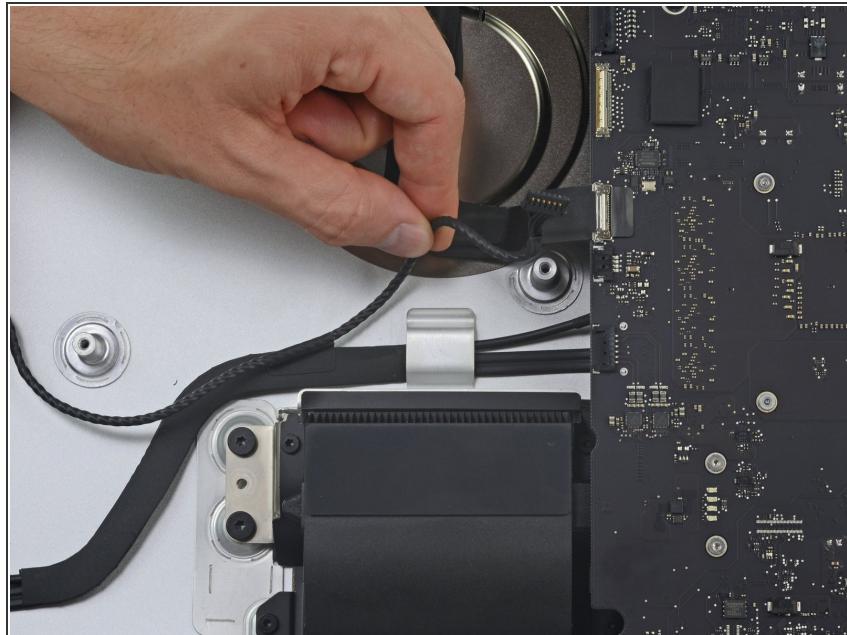
- [Spudger](#) (1)
- [T8 Torx Screwdriver](#) (1)
- [T5 Torx Screwdriver](#) (1)

## Step 1 — Logic Board Assembly



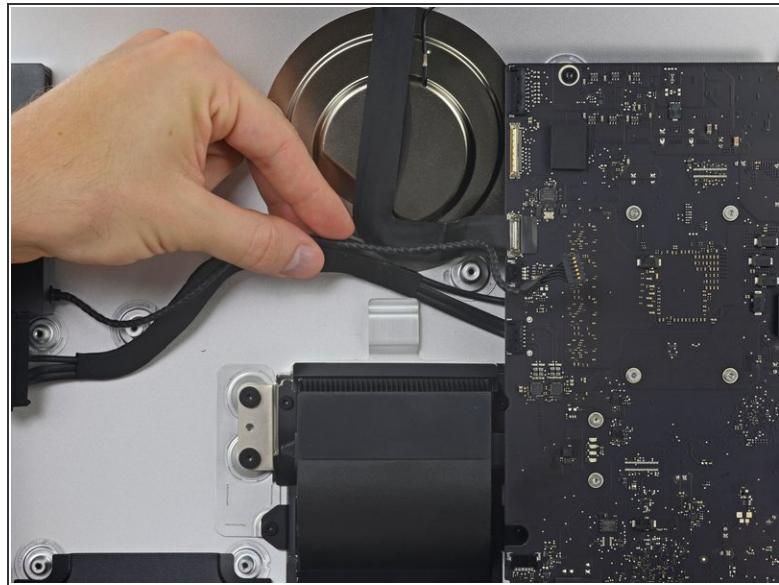
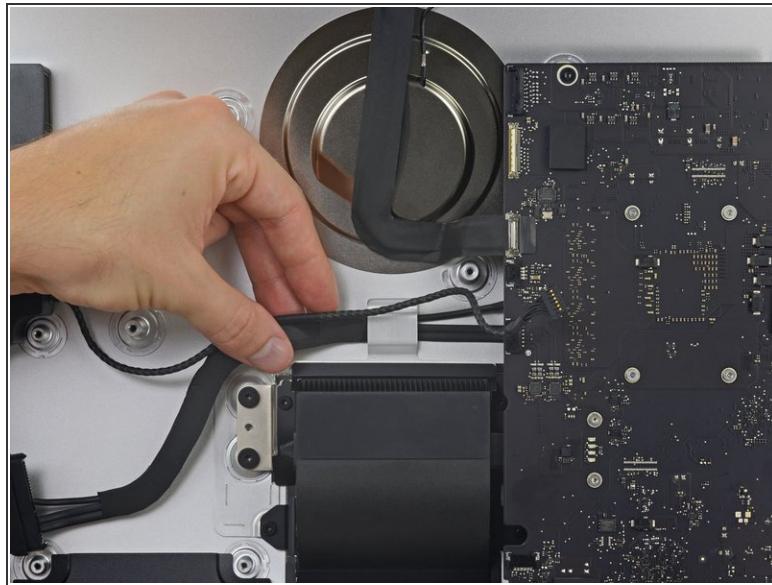
- Gently pull the left speaker cable straight out of its socket on the logic board.

## Step 2



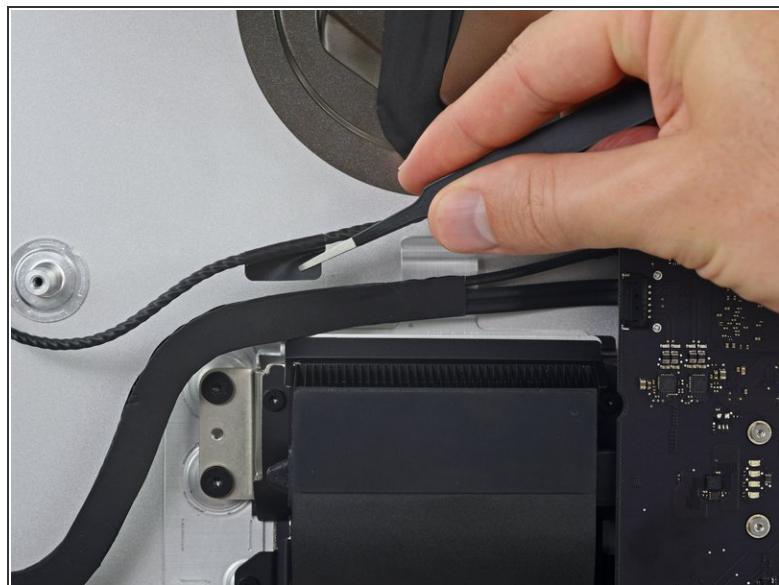
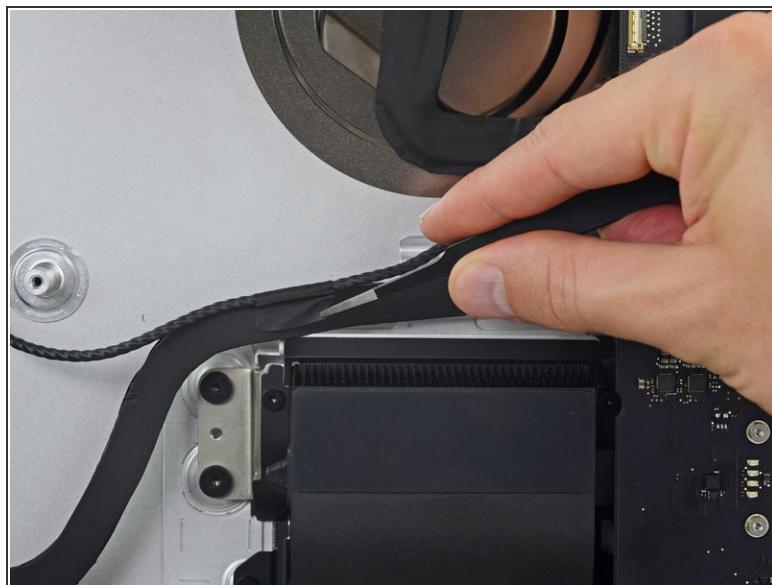
- De-route the left speaker cable by pulling it straight up out of the retaining clip in the back of the rear enclosure.

## Step 3



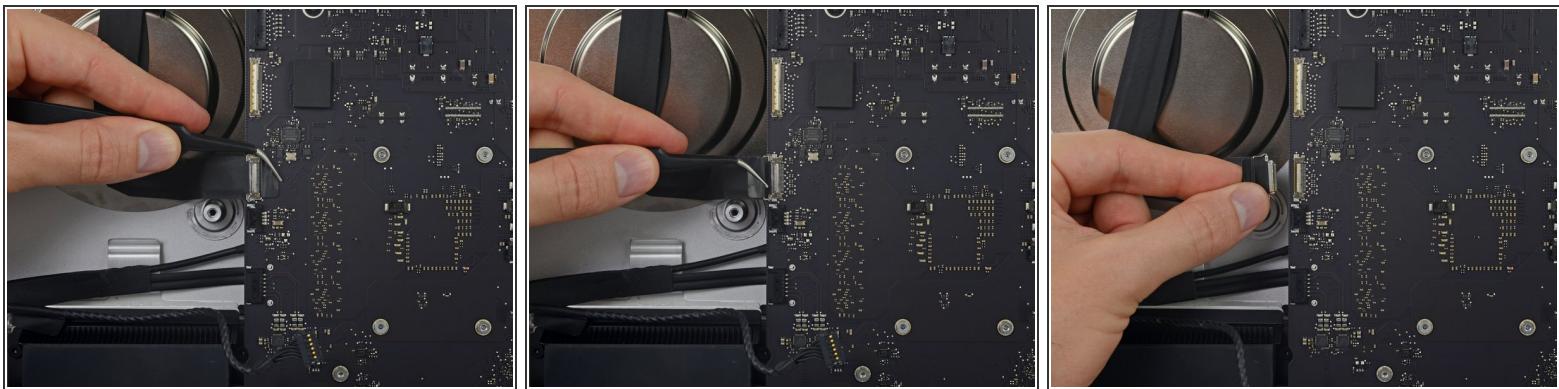
- Similarly to the previous step, de-route the SATA and power cables by pulling the braid straight up out of the retaining clip.

## Step 4



- Peel up the piece of tape connecting the left speaker connector to the SATA power and data cables.

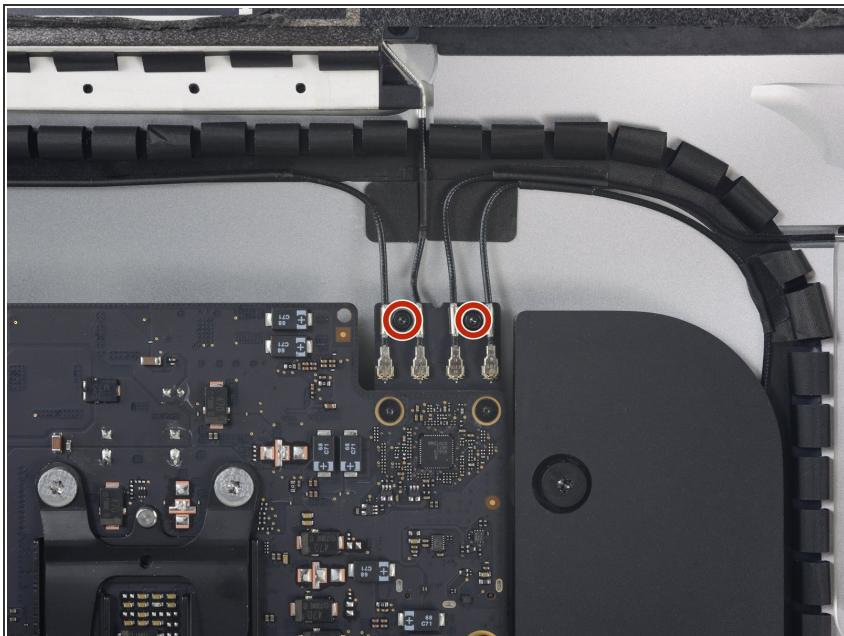
## Step 5



- Flip up the metal retaining bracket on the FaceTime camera cable connector.
- Pull the FaceTime camera cable straight out of its socket on the logic board.

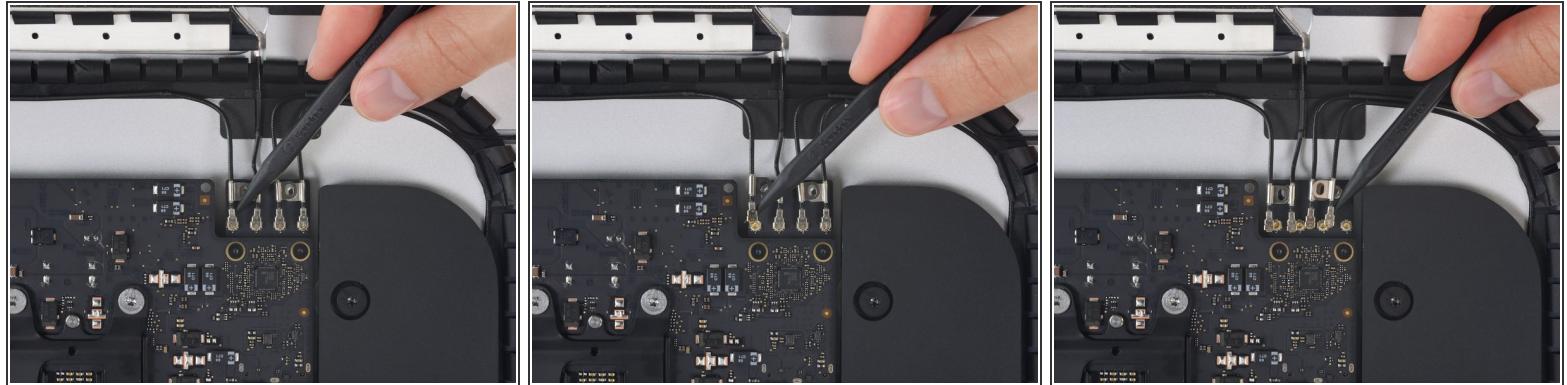
 This is a delicate connector that can be easily damaged.

## Step 6



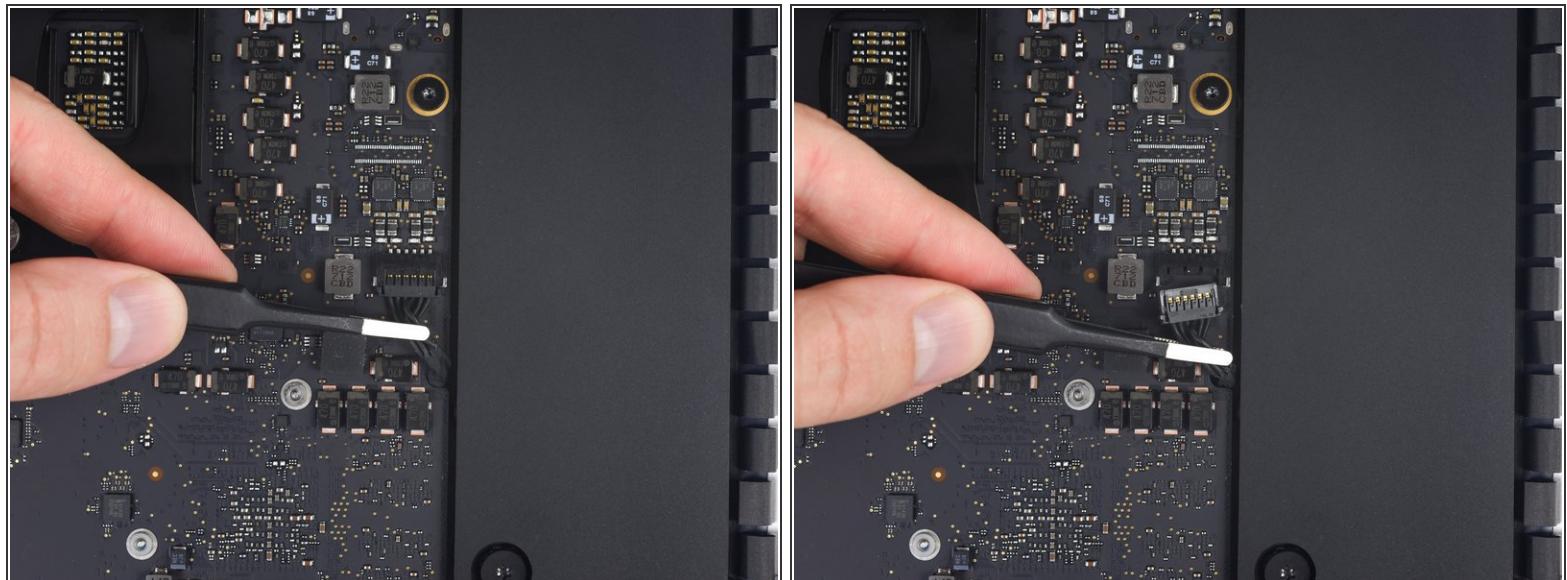
- Remove the two 4.0 mm T5 Torx screws securing the four antenna connectors to the AirPort/Bluetooth card.

## Step 7



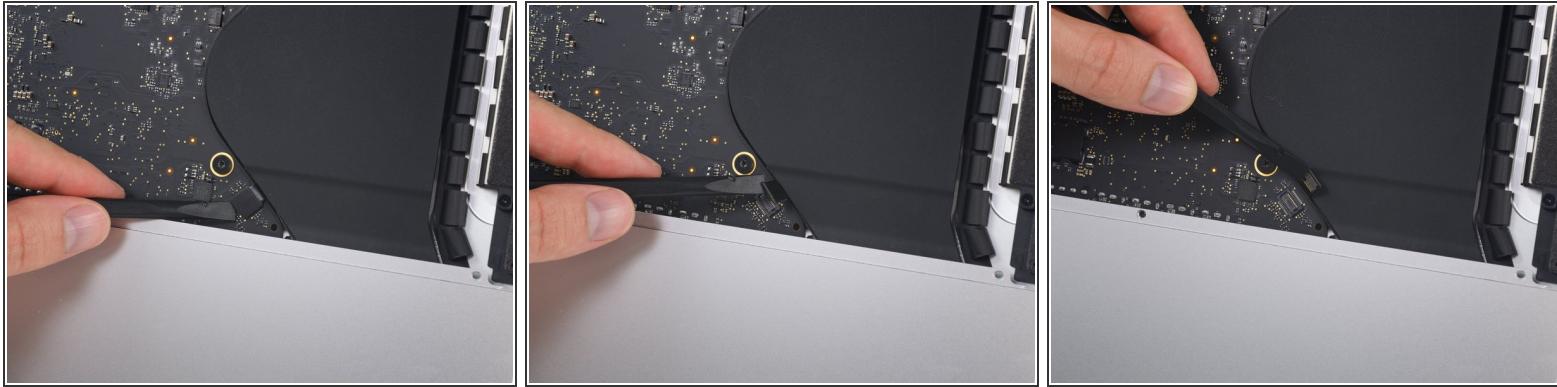
- Disconnect all four antenna connectors by prying them straight up from their sockets on the AirPort/Bluetooth card.

## Step 8



- Gently pull the right speaker cable connector parallel to the logic board, straight out of its socket on the logic board.

## Step 9



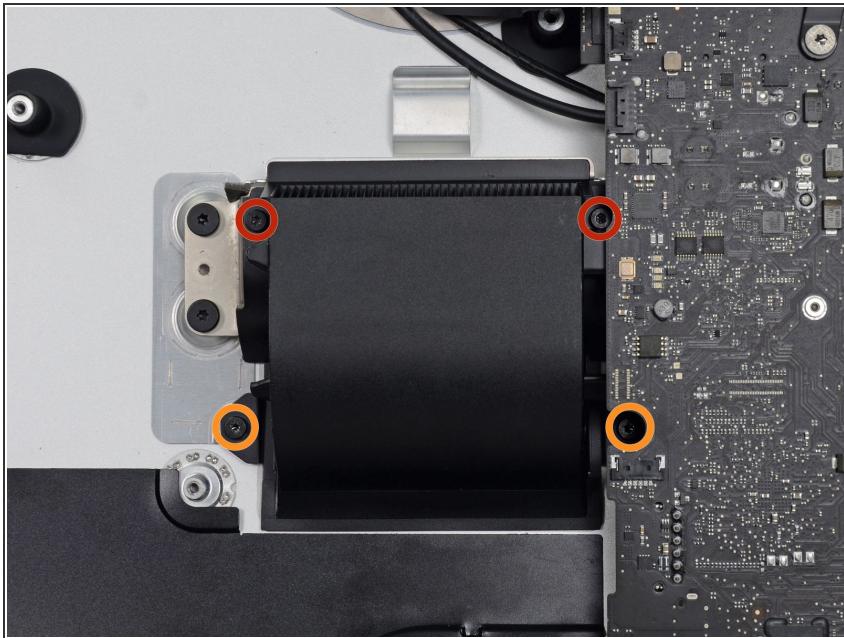
- Use the flat edge of a spudger to pry the headphone jack cable connector from its socket on the logic board.
- *(i)* Push the cable slightly to the right.

## Step 10



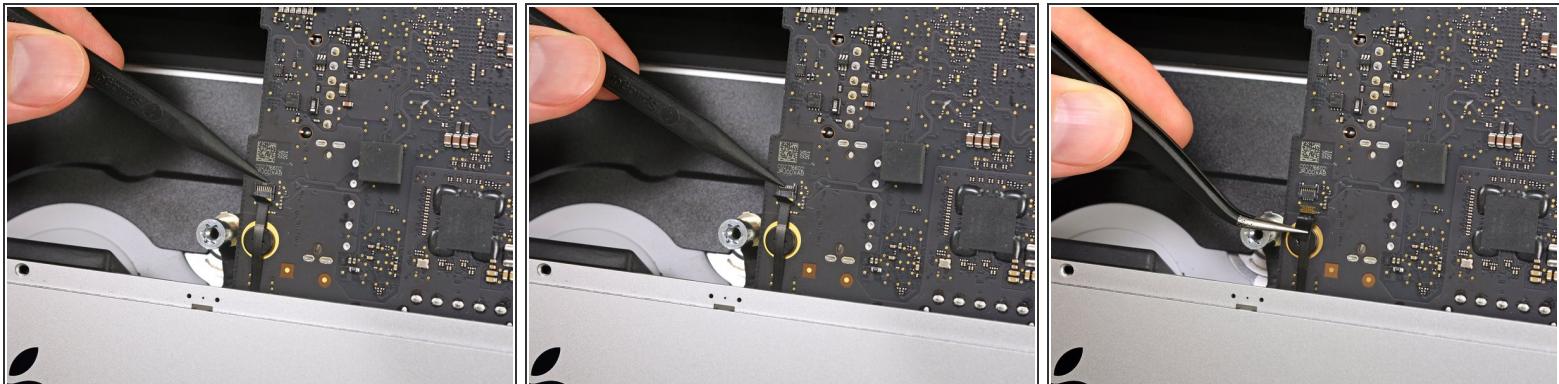
- Peel off the tape covering the exhaust duct.

## Step 11



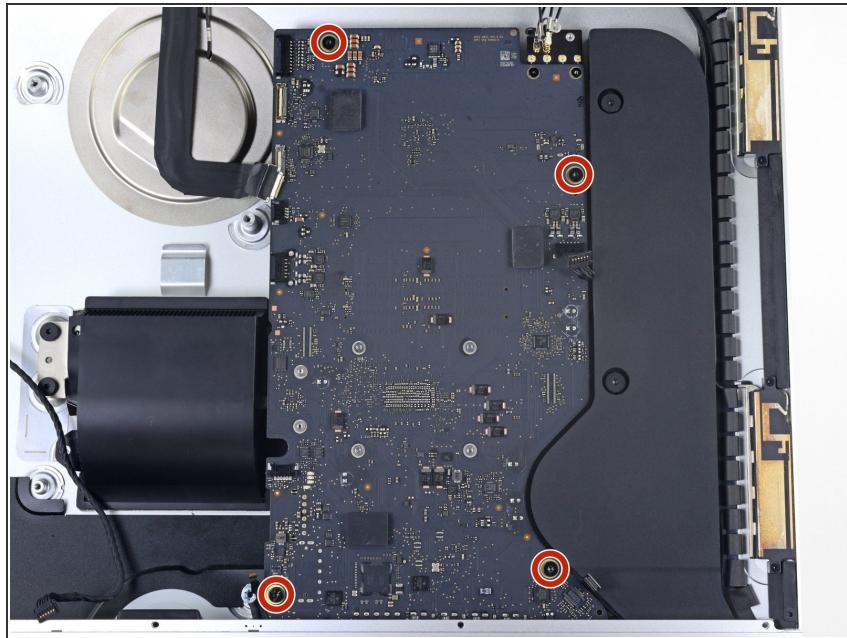
- Remove the following T8 Torx screws securing the exhaust duct to the rear enclosure:
  - Two 6.2 mm screws
  - Two 4.7 mm screws

## Step 12



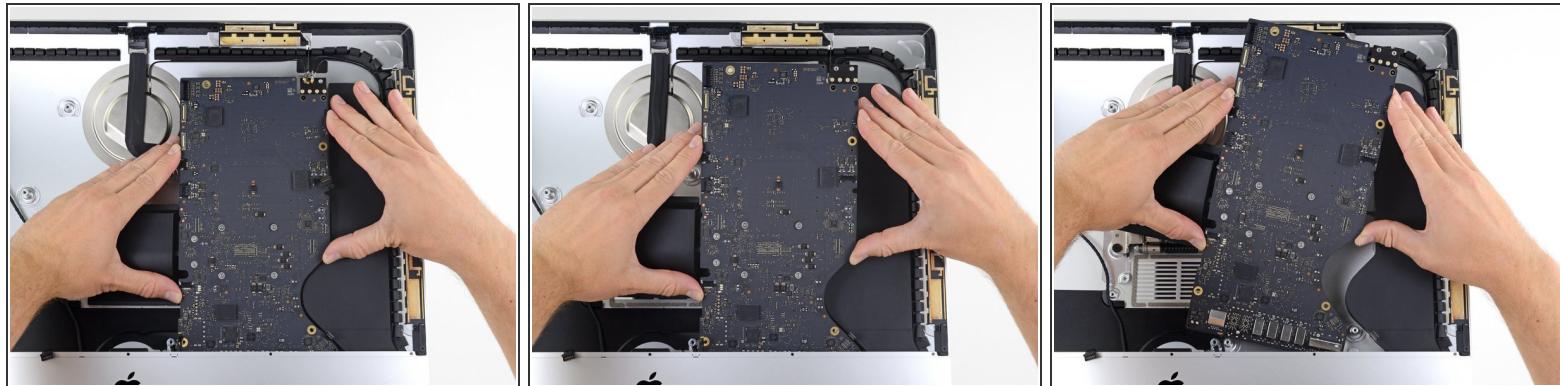
- Use the tip of a spudger to flip open the retaining flap on the microphone ribbon cable [ZIF socket](#).
- ⚠** Be sure you are prying up on the hinged retaining flap, **not** the socket itself.
- Gently pull the microphone ribbon cable straight out of its socket.

## Step 13



- Remove the four 7.3 mm T8 Torx screws securing the logic board to the rear enclosure.

## Step 14



- Tilt the top of the logic board away from the rear enclosure.

**⚠** When removing and installing the logic board, take care not to damage the delicate microphone ribbon cable at the bottom left.

- Lift the logic board straight up and out of the iMac.

**⚠** Be careful not to snag the board on any of the rear enclosure's screw posts.

## Step 15



 When reassembling your iMac, be sure to align the exterior I/O ports correctly. The logic board can sit crooked even when secured with all its screws.

- Use a USB flash drive and/or ethernet cable to ensure the logic board is aligned correctly while you screw it in.

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