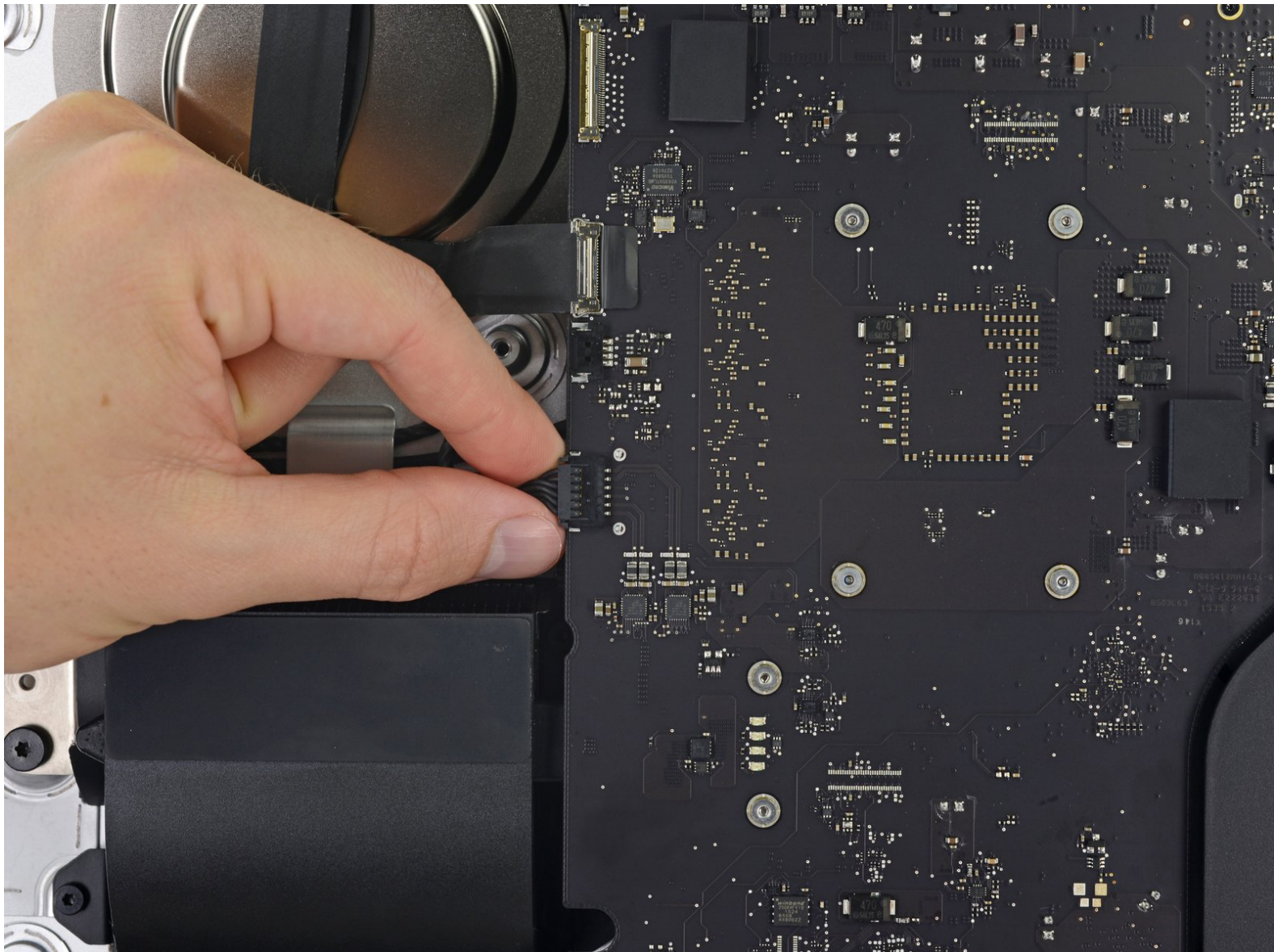# iMac Intel 21.5" EMC 3068 Logic Board Assembly Replacement

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

Written By: Adam O'Camb
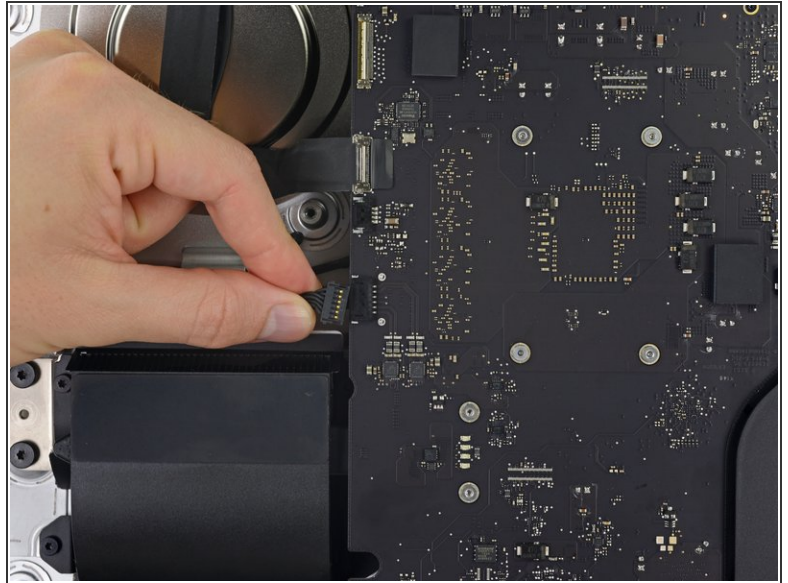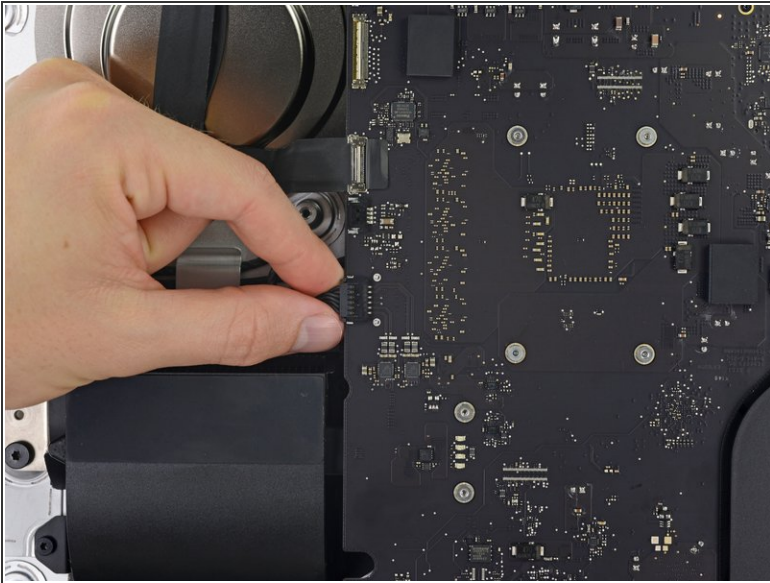
INTRODUCTION

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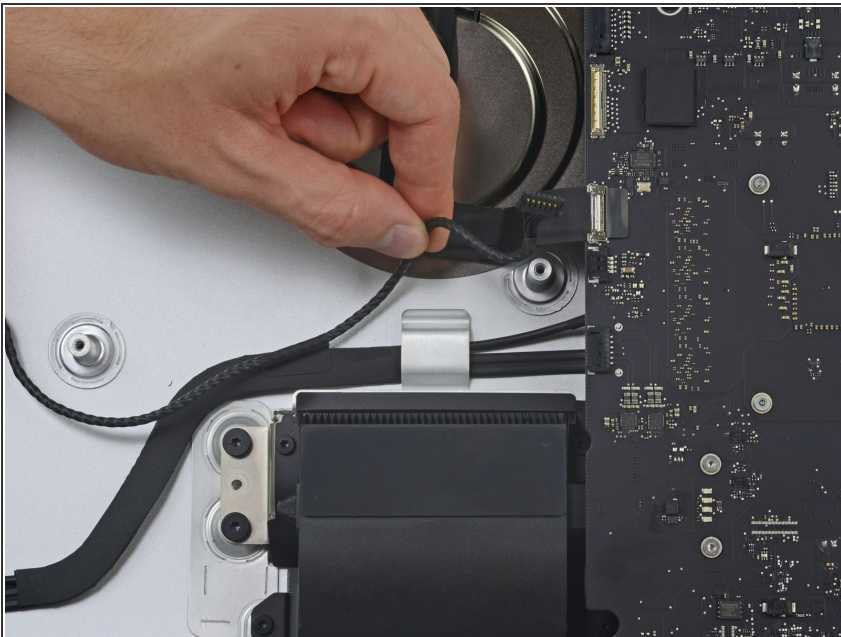
🔧 TOOLS:

- Spudger (1)
- T8 Torx Screwdriver (1)
- T5 Torx Screwdriver (1)

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Step 1 — Logic Board Assembly

- Gently pull the left speaker cable straight out of its socket on the logic board.
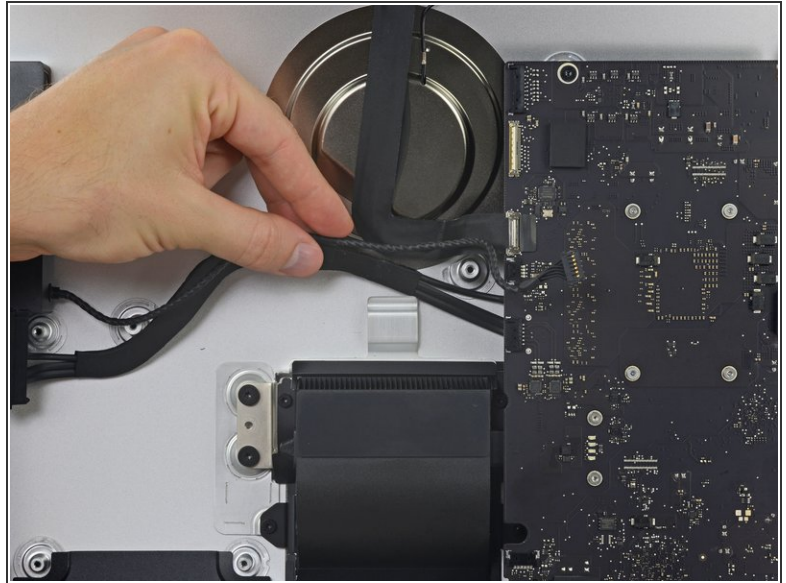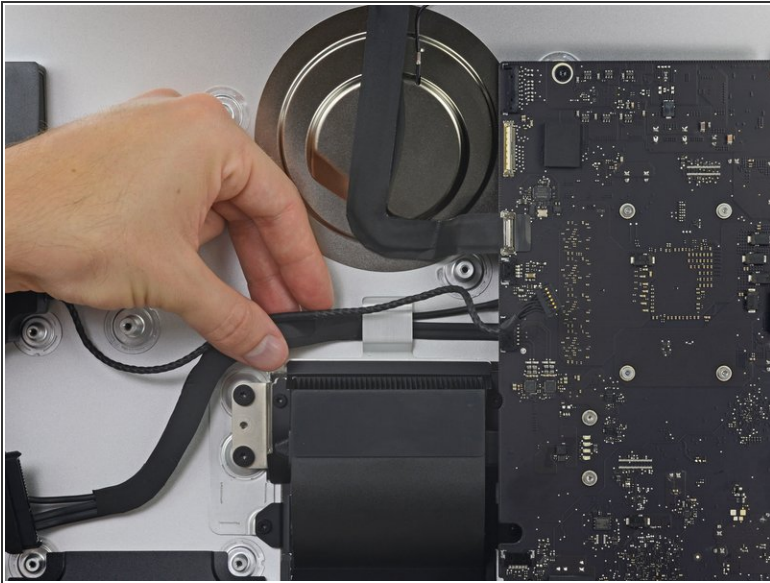
Step 2

- De-route the left speaker cable by pulling it straight up out of the retaining clip in the back of the rear enclosure.
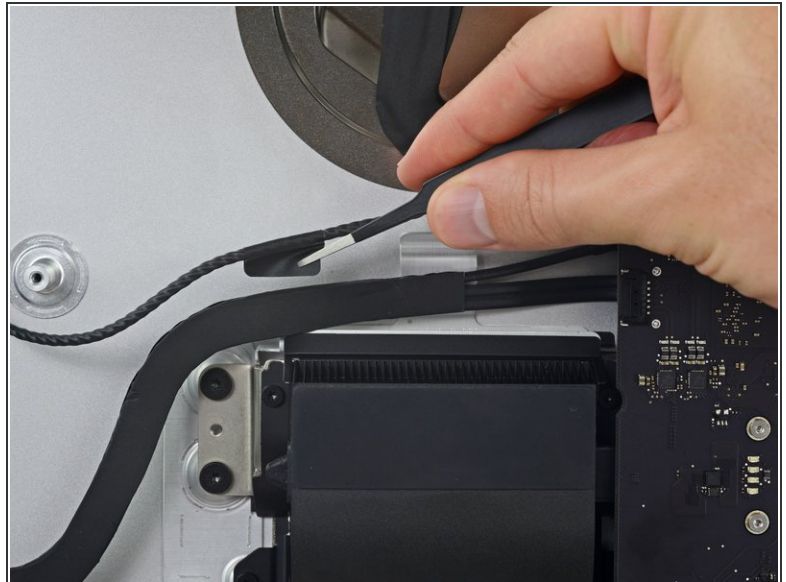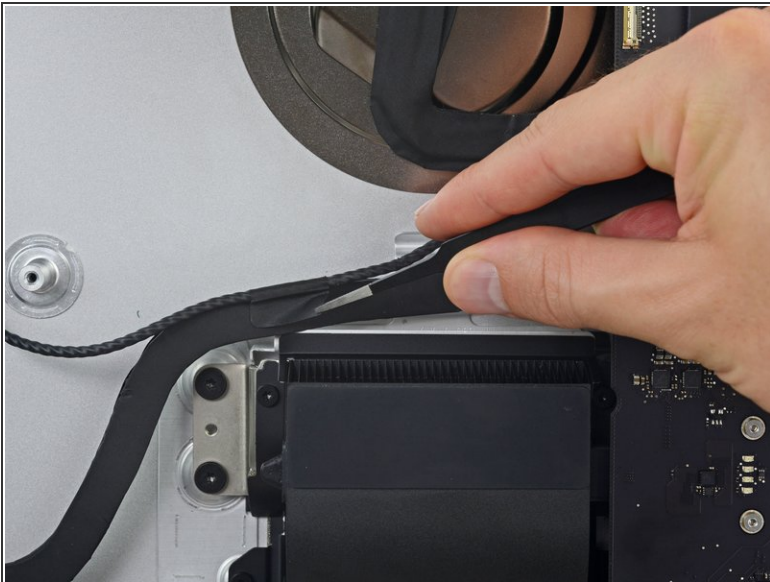
Step 3

- 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.

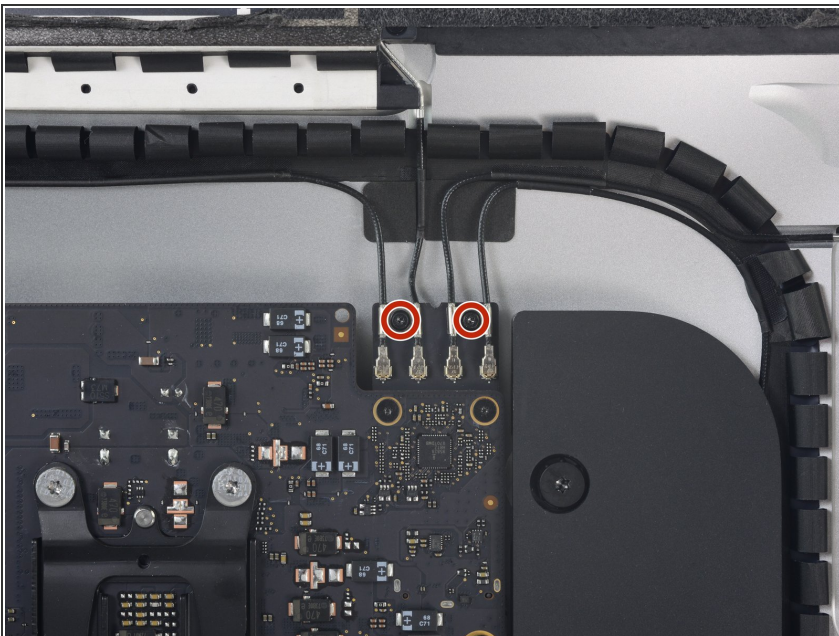This document was generated on 2020-11-28 06:26:38 AM (MST).

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.

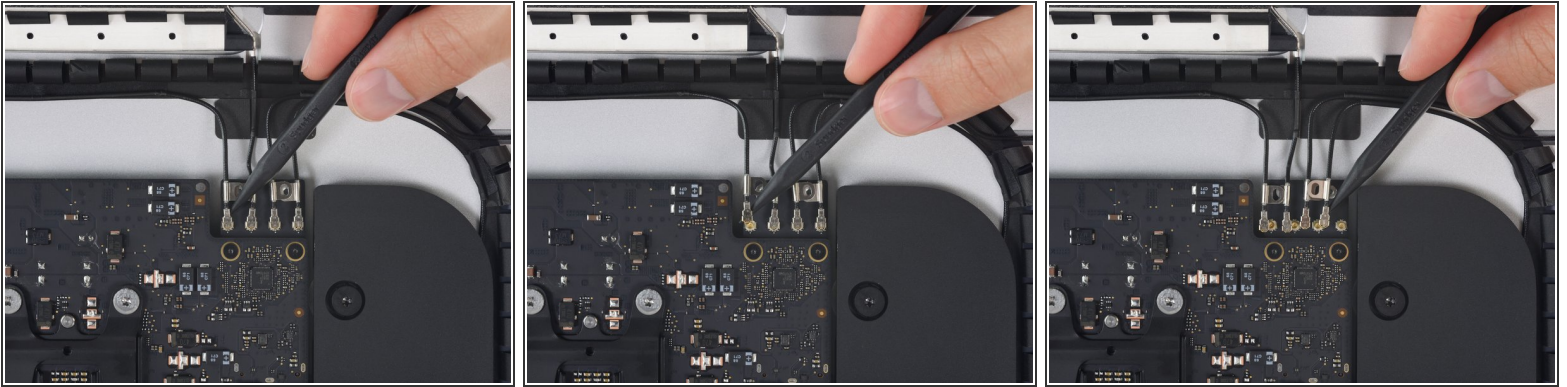 ⚠️ This is a delicate connector that can be easily damaged.

Step 6

- Remove the two 4.0 mm T5 Torx screws securing the four antenna connectors to the AirPort/Bluetooth card.
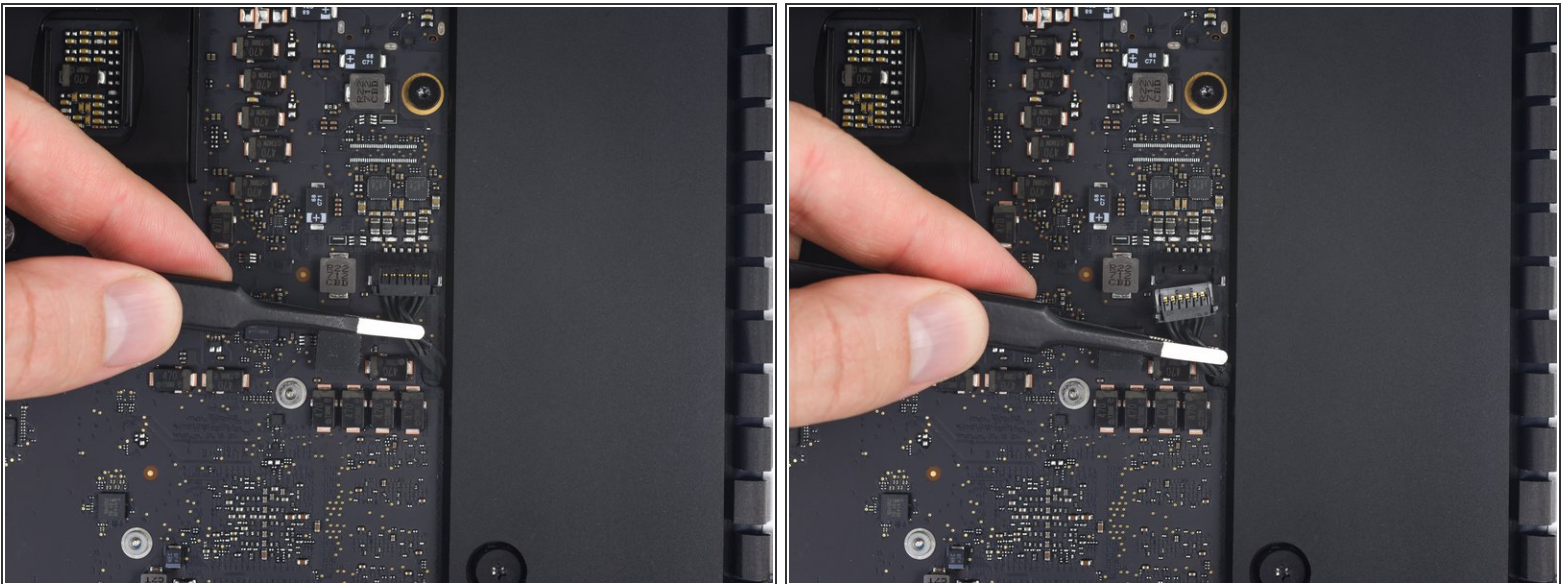
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Step 7

- 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.
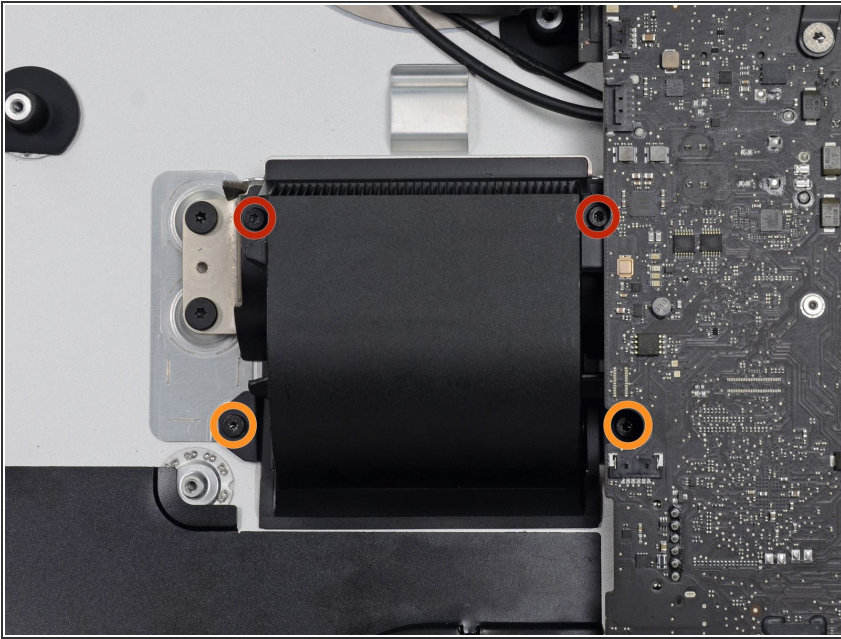
- ⓘ Push the cable slightly to the right.

Step 10

- Peel off the tape covering the exhaust duct.

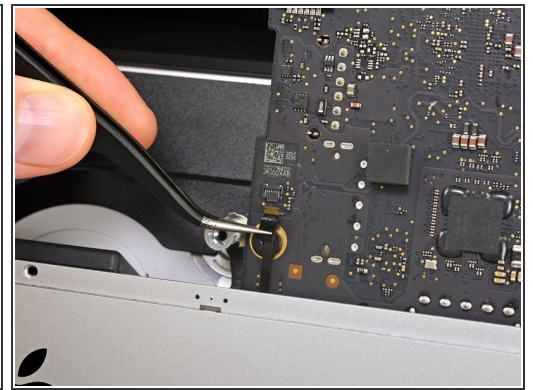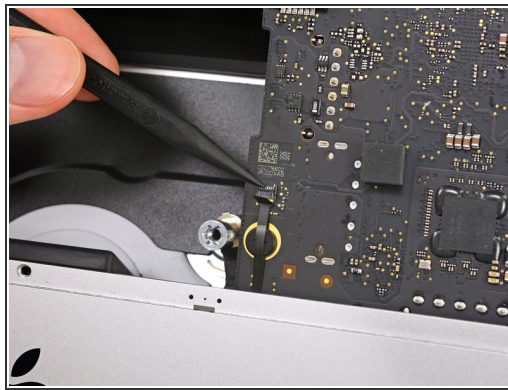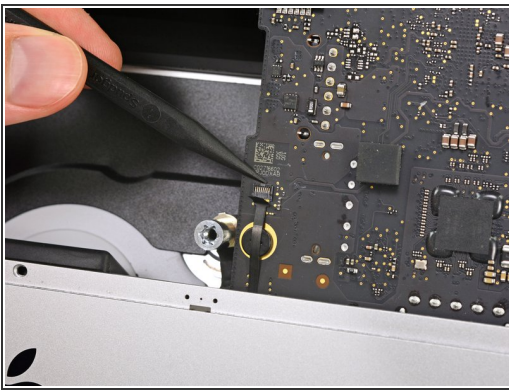This document was generated on 2020-11-28 06:26:38 AM (MST).

Step 11

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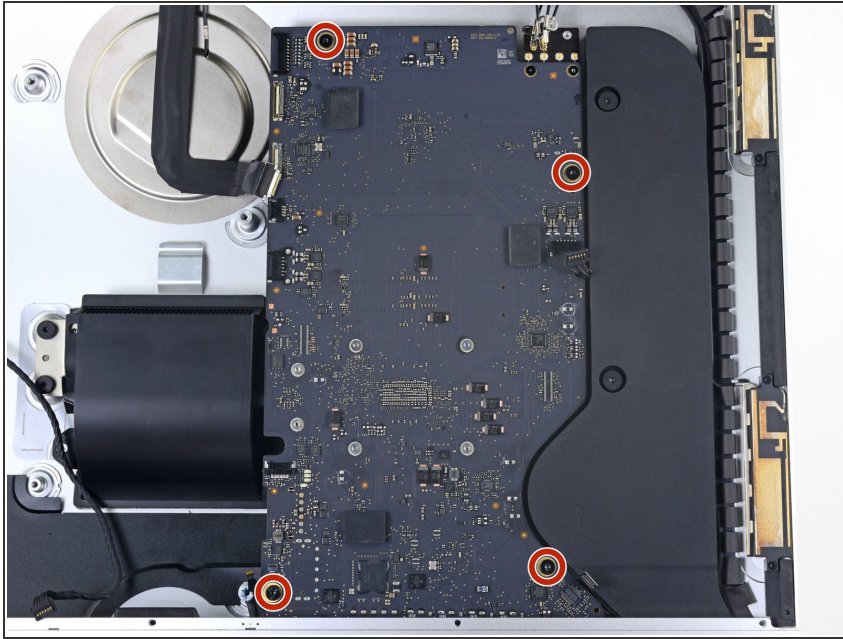 - Two 6.2 mm screws
  - Two 4.7 mm screws

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.

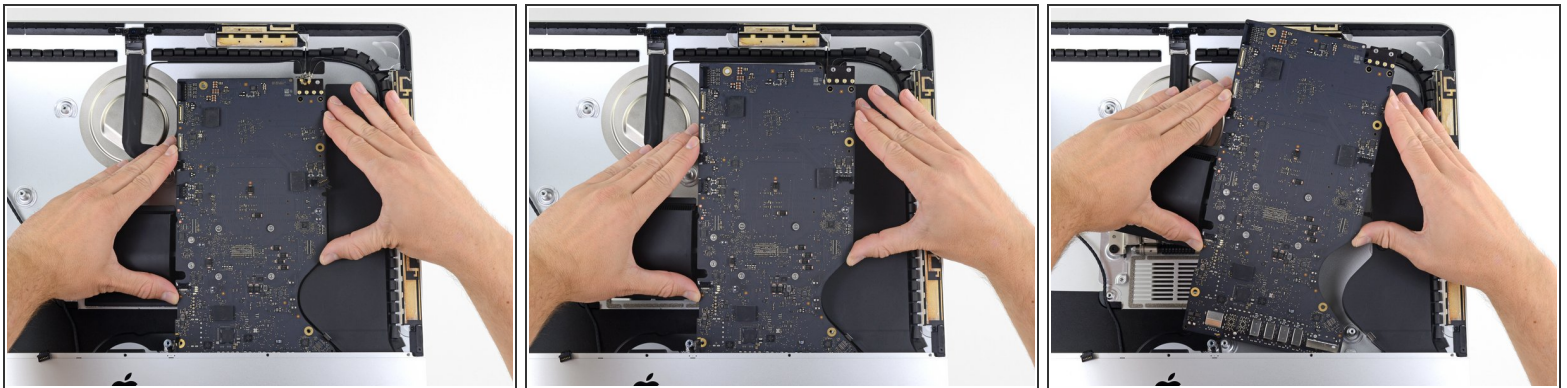This document was generated on 2020-11-28 06:26:38 AM (MST).

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.

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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.