



iMac Intel 20" EMC 2266 Ambient Temperature Sensor Cable Replacement

Written By: Walter Galan



INTRODUCTION

Make sure to keep an accurate temperature reading by replacing the ambient temperature sensor cable.

TOOLS:

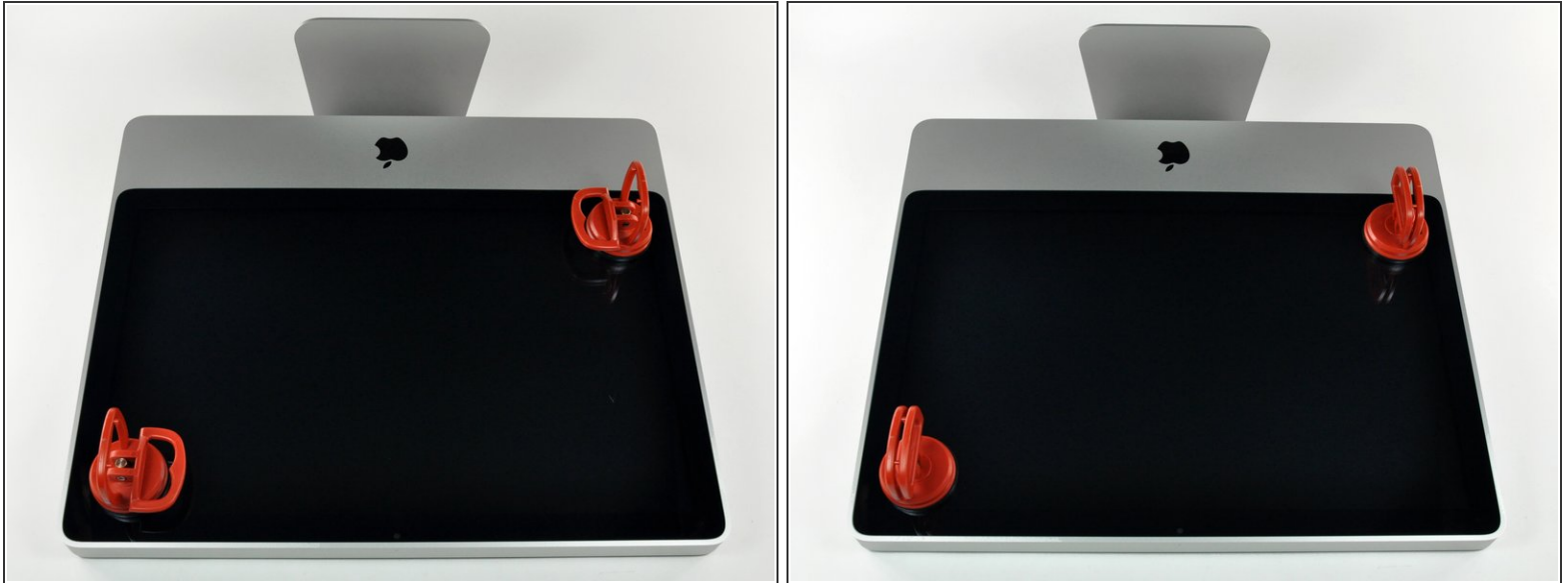
- [Heavy-Duty Suction Cups \(Pair\)](#) (1)
 - [Phillips #1 Screwdriver](#) (1)
 - [Spudger](#) (1)
 - [T10 Torx Screwdriver](#) (1)
 - [T6 Torx Screwdriver](#) (1)
 - [T8 Torx Screwdriver](#) (1)
-

Step 1 — Access Door



- Lay your iMac front side down on a table with the lower edge facing yourself.
- Loosen the single Phillips screw in the center of the access door.
- ⓘ This screw is captive in the access door.
- Remove the access door from your iMac.

Step 2 — Glass Panel



- i** The glass panel is fixed onto the front bezel with fourteen magnets around its perimeter.

 - Stick two suction cups to opposing corners of the glass panel.
- i** To attach the [suction cups](#) we sell, first position the suction cup with the movable handle parallel to the face of the glass panel. While lightly holding the suction cup against the glass, raise the movable handle until it is parallel with the other handle.
- i** If your suction cups refuse to stick, try cleaning both the glass panel and the suction cup with a mild solvent.

Step 3



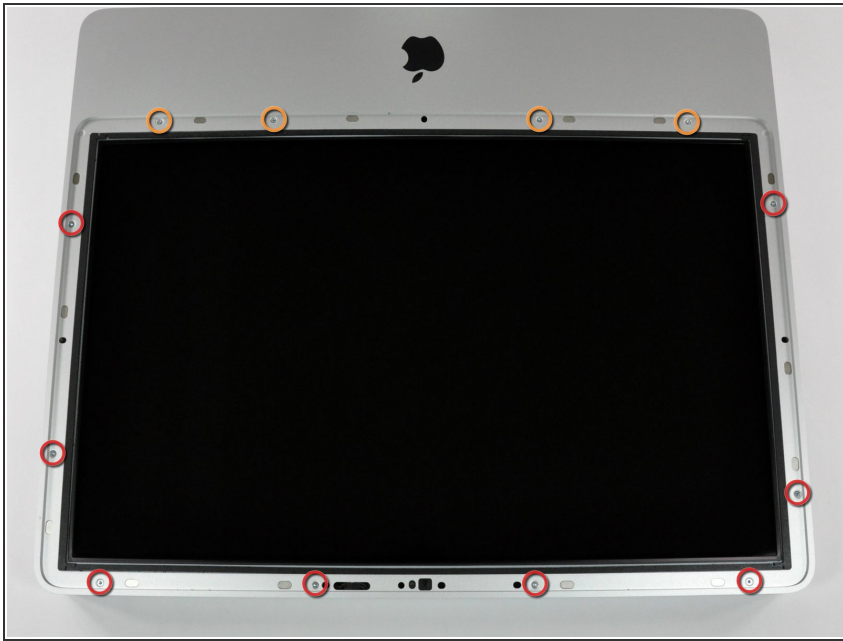
- Gently pull the glass panel straight up off the iMac.

 The glass panel has several positioning pins around its perimeter. To avoid shearing these pins off the glass panel, be sure to only pull straight up during removal.

 Be meticulous about cleaning the LCD and the inside face of the glass panel before reinstallation, as any fingerprints or dust trapped inside will be annoyingly visible when the display is on.

 When replacing the glass, be sure there's nothing between the glass and the frame. Stray cables could be damaged or crack the glass.

Step 4 — Front Bezel



- Remove the following 12 screws securing the front bezel to the rear case:
 - Eight 13 mm T8 Torx.
 - Four 25 mm T8 Torx.
- ⓘ On the 24" iMac Intel Model A1225, the bottom center two screws are long (26mm), four on sides (two left, two right) are medium (18mm), and the remaining 6 (four top, two bottom corners) are short (14mm).

Step 5



 The front bezel is still attached to the iMac by the microphone cable.

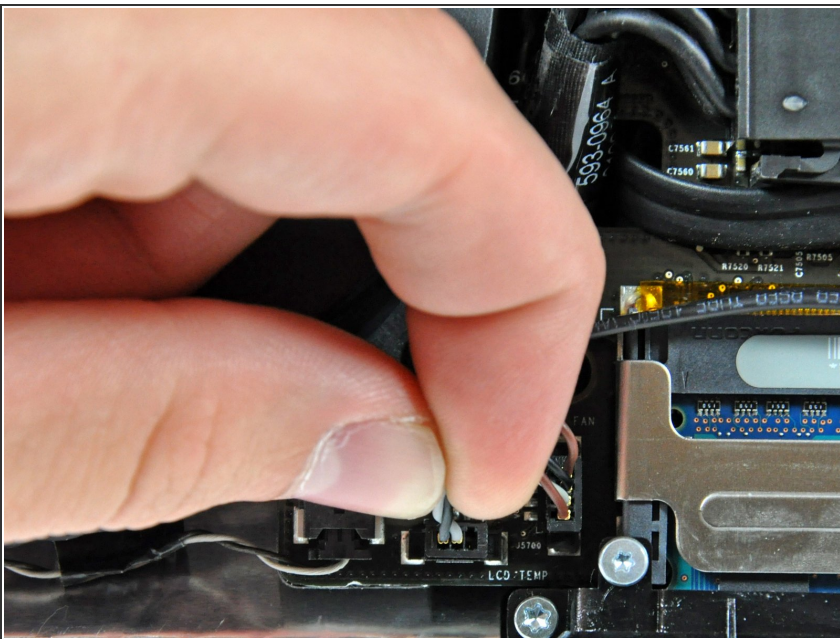
- Gently lift the front bezel from its top edge off the rear case.
 - Once the top edge of the front bezel has cleared the rear case, rotate the front bezel toward the stand and lift it off the rear case.
 - Rotate the front bezel away from the rest of the device and lay it above the top edge of the iMac.
-  When reinstalling the front bezel, start at the lower edge and make sure it is flush with the rear case before lowering the top edge onto the iMac.

Step 6



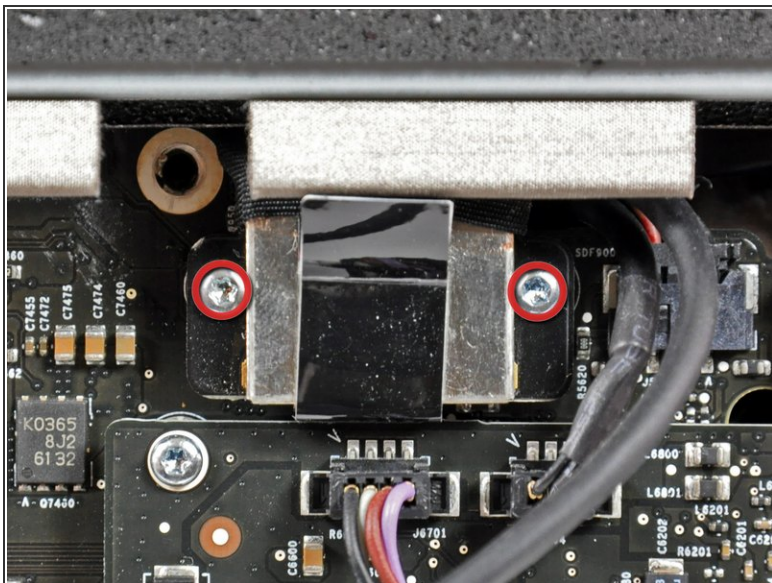
- Disconnect the microphone cable connector, removing tape as necessary.
- ★ For the front bezel to sit properly, be sure to tuck the microphone cable and connector into the void next to the camera board.

Step 7 — Display Panel



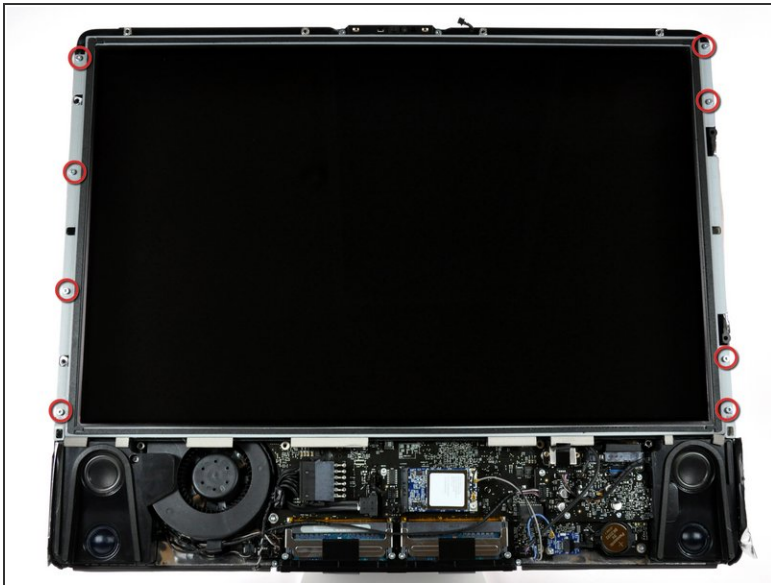
- Pull the LCD temperature sensor connector straight up off its socket on the logic board.
- (located at the top of the logic board on the 24")

Step 8



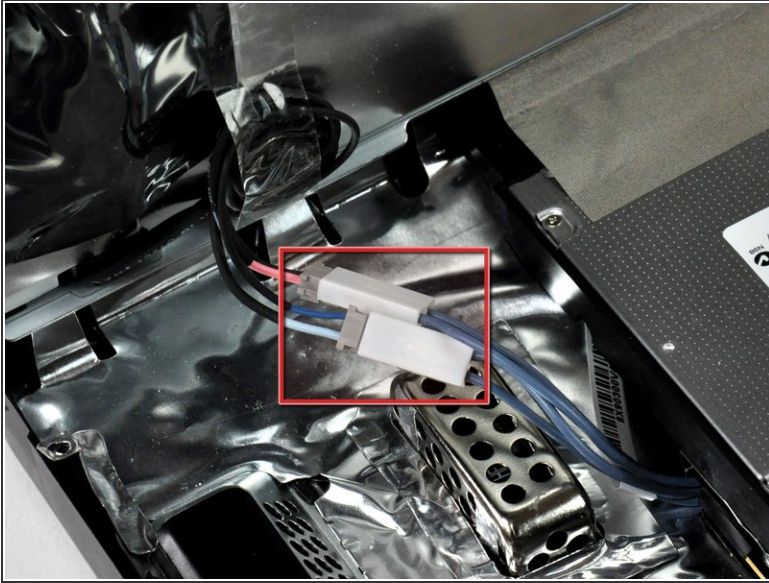
- Remove the two T6 Torx screws securing the display data cable to the logic board.
- Use the attached black tab to pull the display data cable connector straight away from the logic board.

Step 9



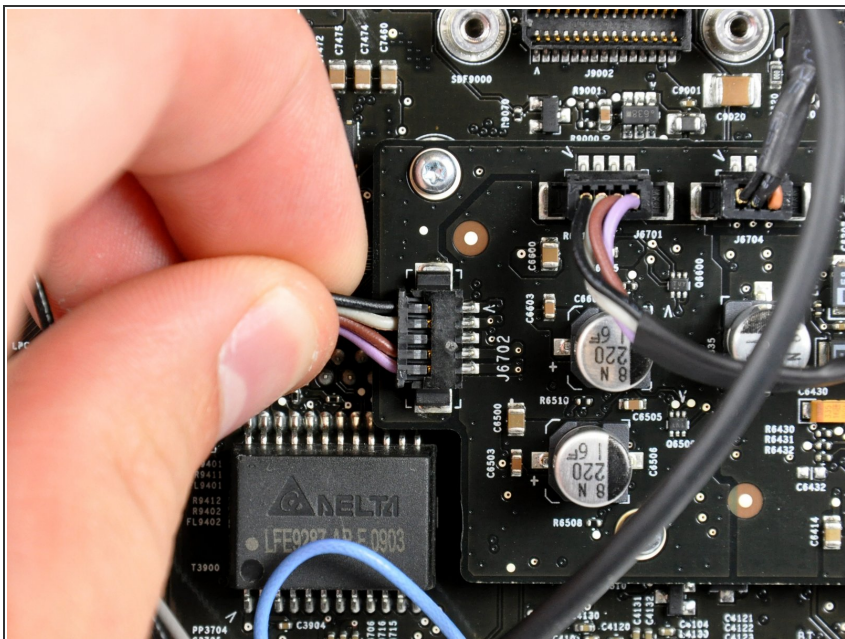
- Remove the eight T8 Torx screws securing the display panel to the rear case.
- Lift the display panel from its left edge and rotate it toward the right edge of the iMac.

Step 10



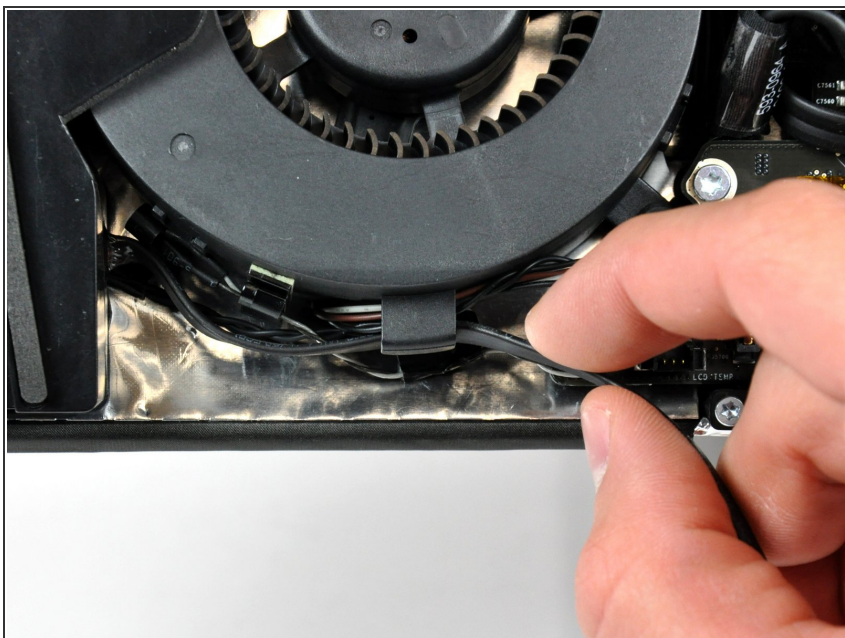
- With the display panel still lifted, disconnect the four inverter cables.
- ✦ During reinstallation, place the four inverter cable connectors in voids between components attached to the rear panel so the display panel will sit flush on the edges of the rear case.
- (combined into one plug in on the 24")
- ⚠ Be sure to keep track of the cables, as they do not have proprietary sockets. Mismatched cables can cause screen issues.

Step 11 — Left Speaker



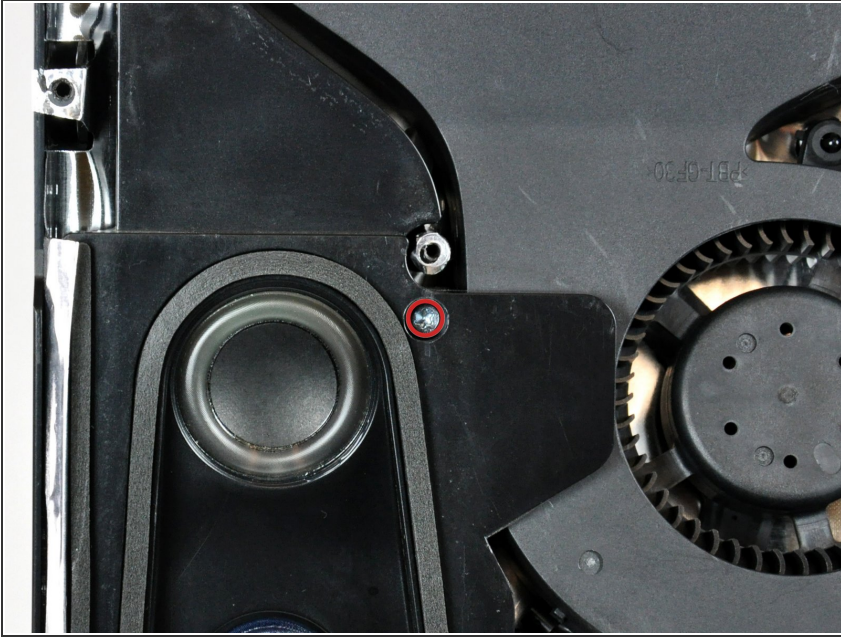
- Disconnect the left speaker cable connector from the audio board by pulling it straight away from its socket.
- ⓘ Pull the connector parallel to the face of the audio board.

Step 12



- De-route the left speaker cable from the channel in the CPU fan.

Step 13



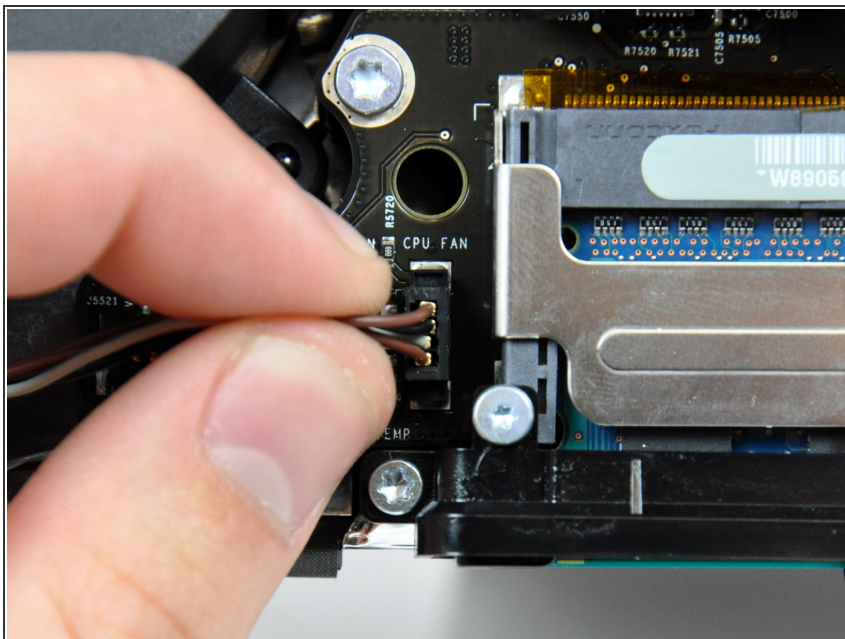
- Remove the single T10 Torx screw securing the left speaker to the rear case.

Step 14



- Lift the left speaker out of the rear case.

Step 15 — CPU Fan



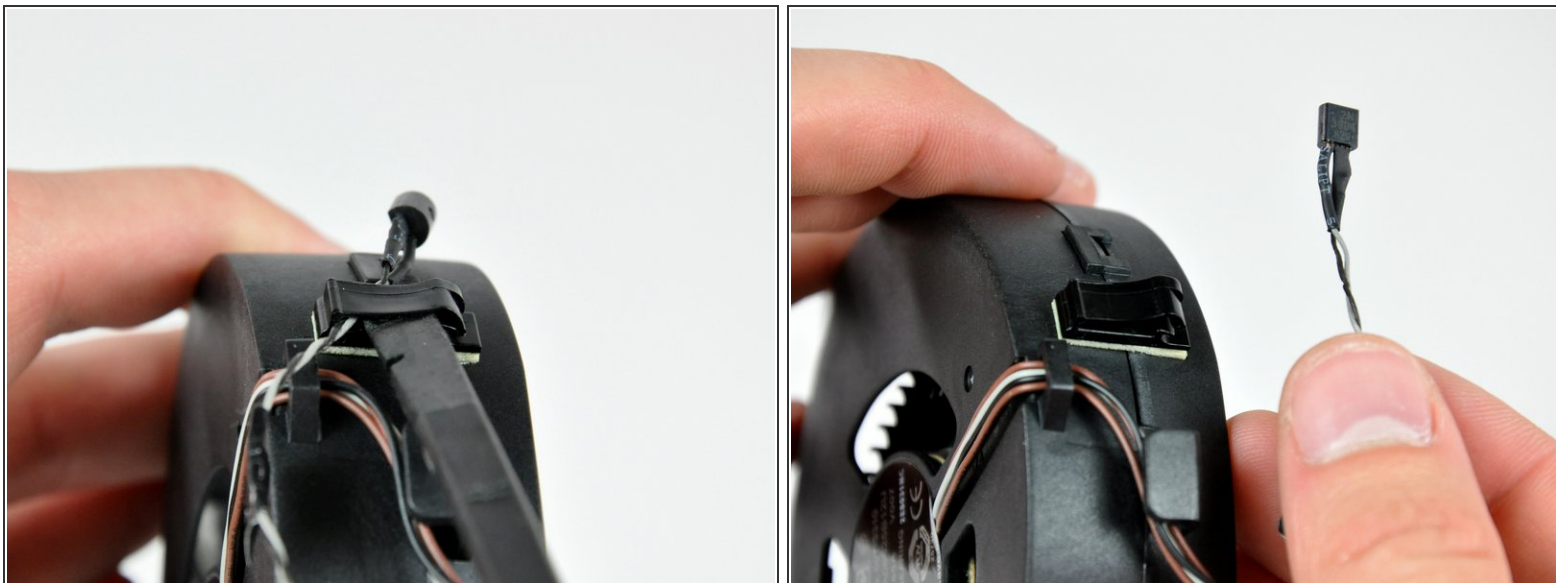
- Disconnect the CPU fan connector from the logic board by pulling it straight up from its socket.

Step 16



- Gently lift the CPU fan out of the rear case, minding any cables that may get caught.

Step 17 — Ambient Temperature Sensor Cable



- Use the flat end of a spudger to open the cable clip attached to the CPU fan.
- De-route the ambient temperature sensor cable from the channel in the CPU fan.

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