iMac G5 20'' Model A1145 AirPort/Bluetooth Board Replacement

Written By: Andrew Bookholt

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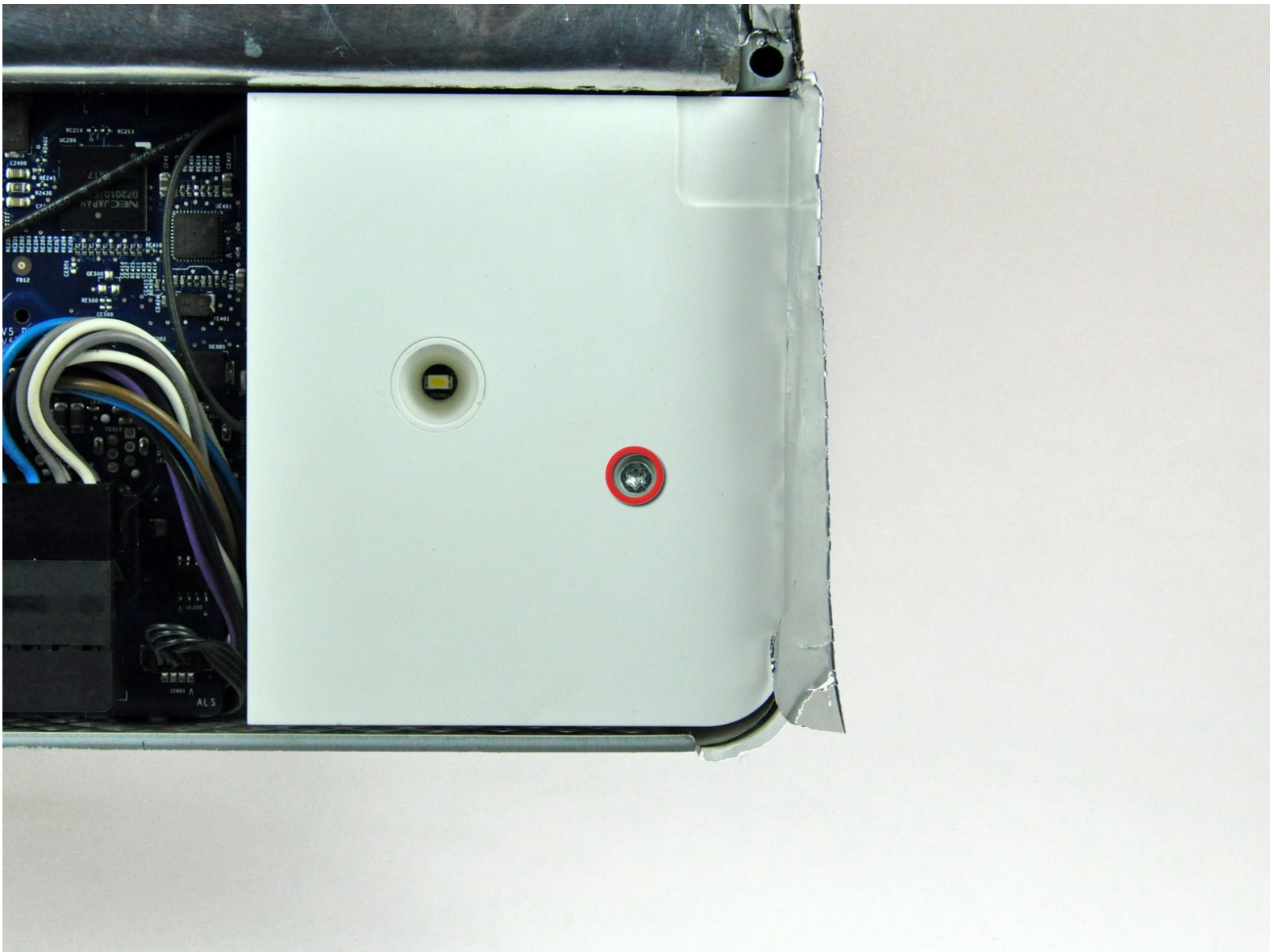
INTRODUCTION

Replace a broken AirPort/Bluetooth board to regain wireless connectivity.

TOOLS:

- Phillips #00 Screwdriver (1)
- Phillips #1 Screwdriver (1)
- Plastic Cards (1)
- Spudger (1)
- T10 Torx Screwdriver (1)
- T6 Torx Screwdriver (1)
- T8 Torx Screwdriver (1)

PARTS:

- Mid/Late 2005 Airport/Bluetooth Board (1)

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Step 1 — Access Door

- Orient the iMac face-side down on a table with the bottom edge facing yourself.

- Remove the two Phillips screws securing the access door to the bottom grille of your iMac.

- ⓘ The screws are captive in the access door.

- ⚠️ **Before beginning the repair, unplug the computer and press and hold the power switch for 20-30 seconds, to discharge internal capacitors.**

Step 2

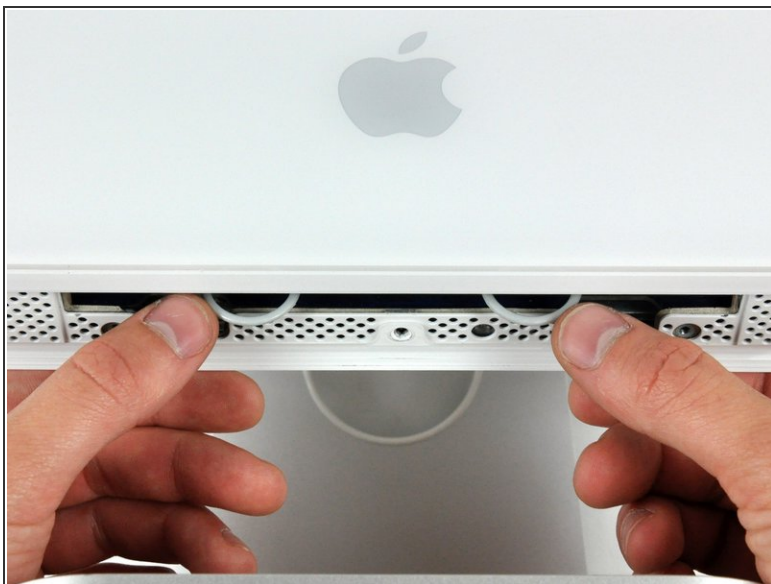

- Remove the access door.

Step 3 — Front Bezel

- Remove the three T8 Torx screws securing the front bezel to the rear case along the lower edge of the iMac.

Step 4

- Turn the computer over.

- Use your thumbs to press both RAM arms in past the front bezel for enough clearance to lift it off the rear case.

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Step 5

- While holding the RAM arms in with your thumbs, lift the lower edge of the front bezel enough to clear the rear case.

Step 6



ⓘ Re-orient your iMac so it sits upright on the stand.

● Insert a plastic card up into the corner of the air vent slot near the top of the rear case.

● Push the card toward the top of the iMac to release the front bezel latch.

● Pull the front bezel away from the rear case.

● Repeat this process for the other side of the front bezel.

ⓘ It may be necessary to apply several layers of duct tape to the top of the access card to aid in releasing the latches.

● If the bezel refuses to release, try pressing the lower edge back onto the rear case and repeat this opening process.

ⓘ Alternatively, you can use a strong magnet by holding it to the front top left/right corner of the display. You will hear a snapping sound when the hatch is released.

Step 7
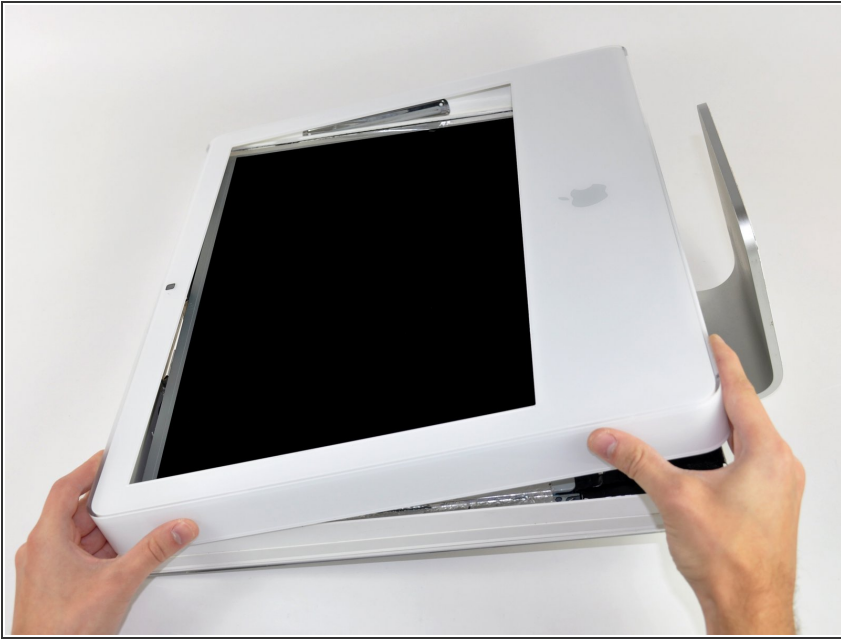
- Lay your iMac stand-side down on a table.

- Lift the front bezel from its lower edge and rotate it away from the rest of your iMac, minding the RAM arms that may get caught.

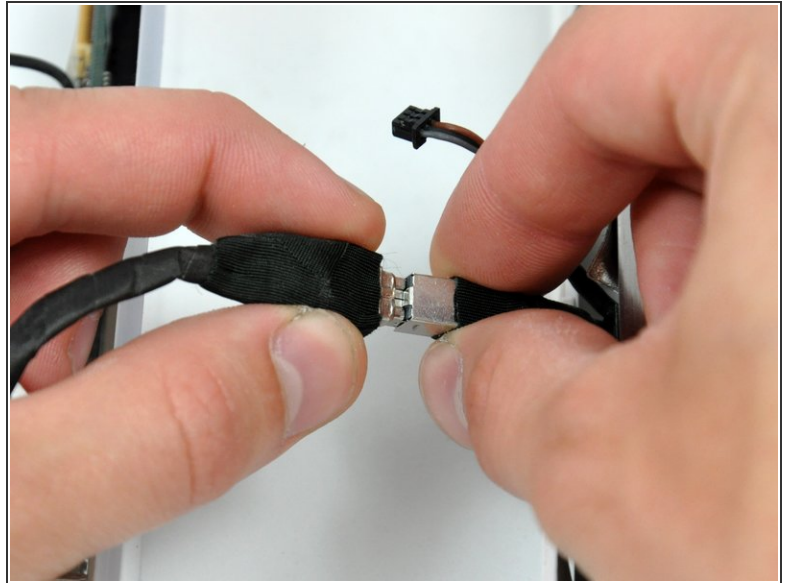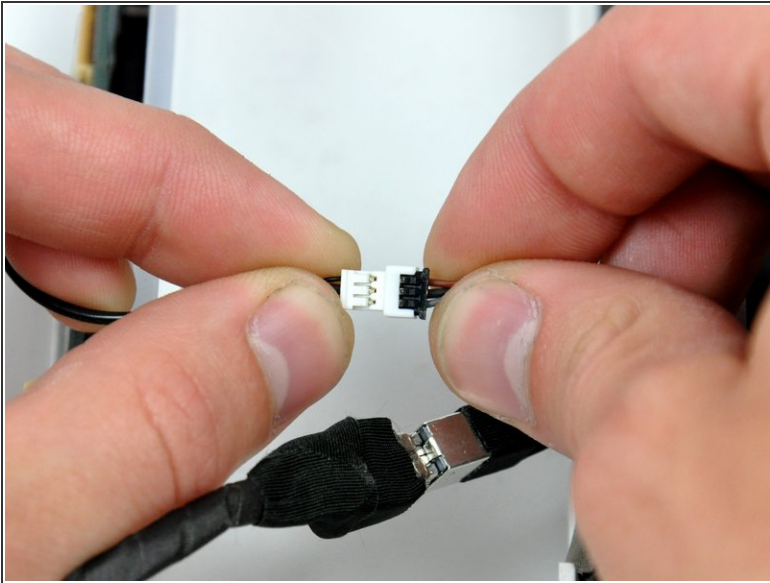- Lay the front bezel above the rest of the iMac.

Step 8
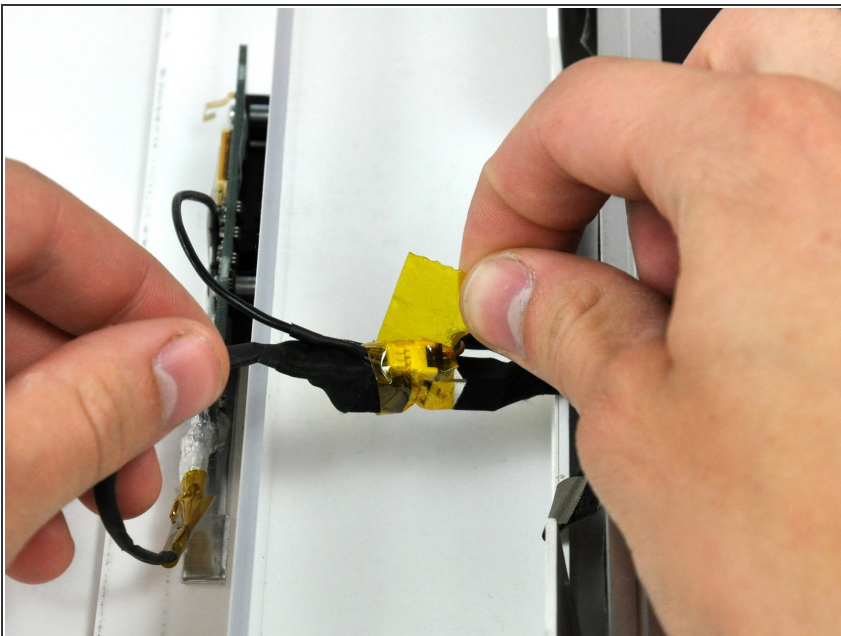
- If necessary, remove the piece of kapton tape wrapped around the microphone and camera connectors.

Step 9

- Disconnect both the camera and microphone cables.

Step 10 — Lower EMI Shield

- Peel the lower EMI shield off the lower edge of the iMac and off the two vertical 4" sections on either side of the iMac.

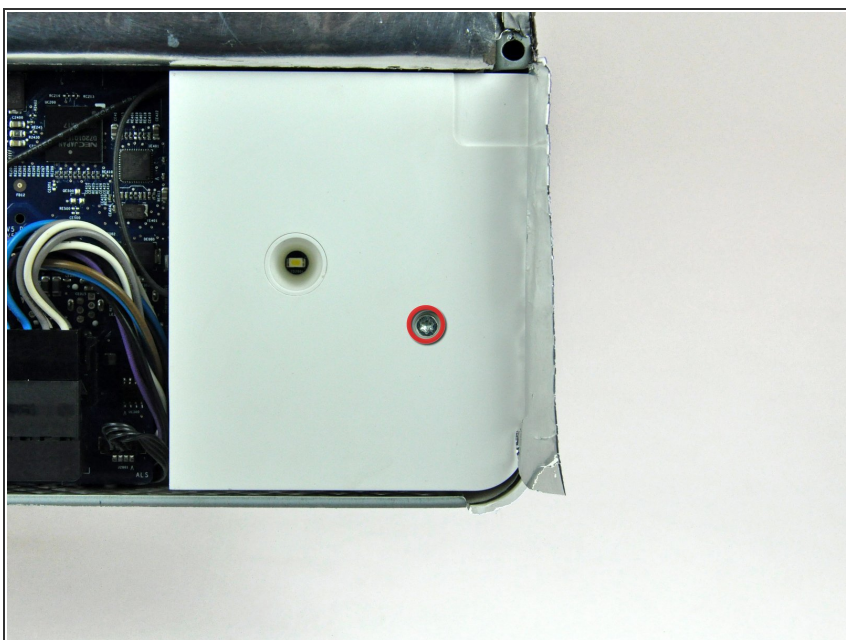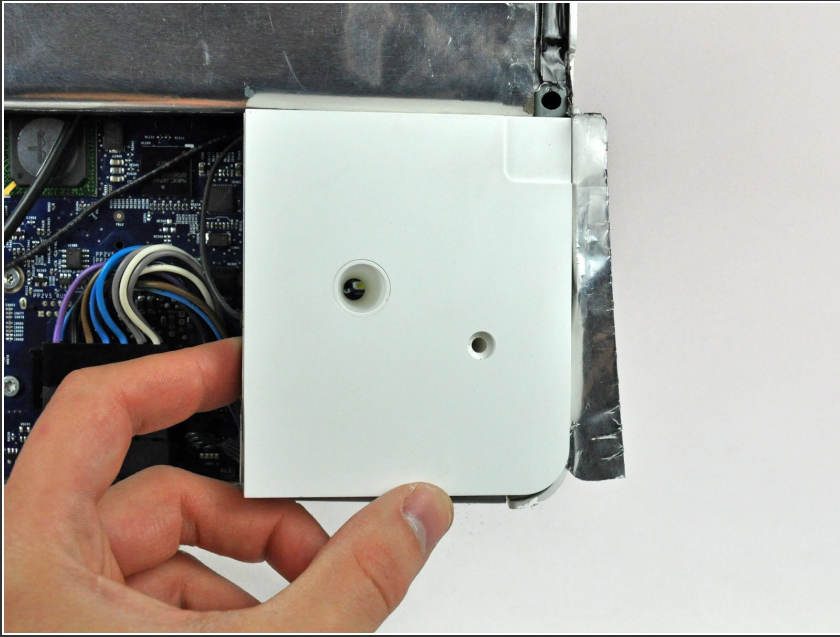- (i) It is not necessary to peel the lower EMI shield off the display.

Step 11

- Tape the lower EMI shield up against the face of the display to keep it out of the way while you work.

Step 12 — AirPort/Bluetooth Board

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

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Step 13

- Lift the right speaker out of the rear case.

- (i) The cable between the speaker and its connector is short, so either hold the speaker or allow it to hang from the iMac for the next few steps.

Step 14

- Remove the two Phillips screws securing the AirPort/Bluetooth board to the logic board.

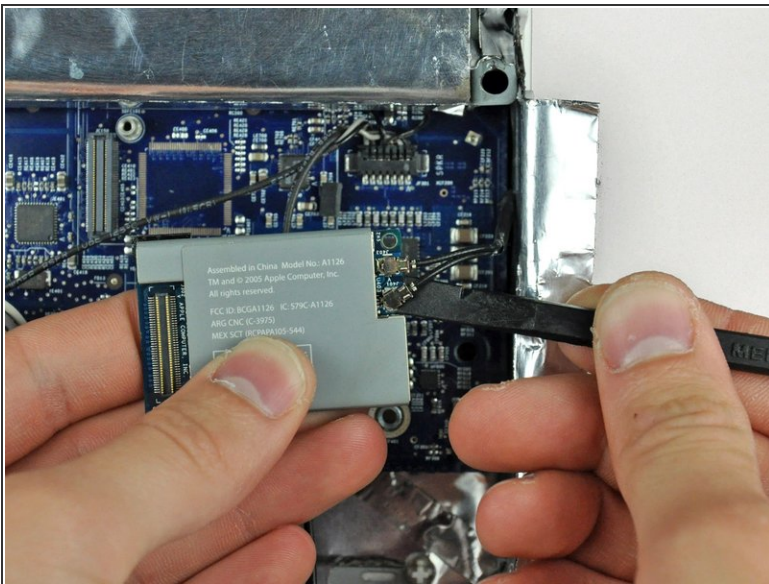- (i) On some models, these may be T6 Torx screws.

Step 15

- Use your finger to lift the AirPort/Bluetooth board from its left edge, disconnecting it from the logic board.

⚠️ Lift the board from its left edge **only**.

Step 16

- Use the flat end of a spudger to pry both antenna connectors up off the AirPort/Bluetooth board.

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

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