



iMac Intel 21.5" EMC 2428 SD Board Replacement

Replace the SD Board in your iMac Intel 21.5" EMC 2428.

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INTRODUCTION

Use this guide to replace a faulty SD Board.



TOOLS:

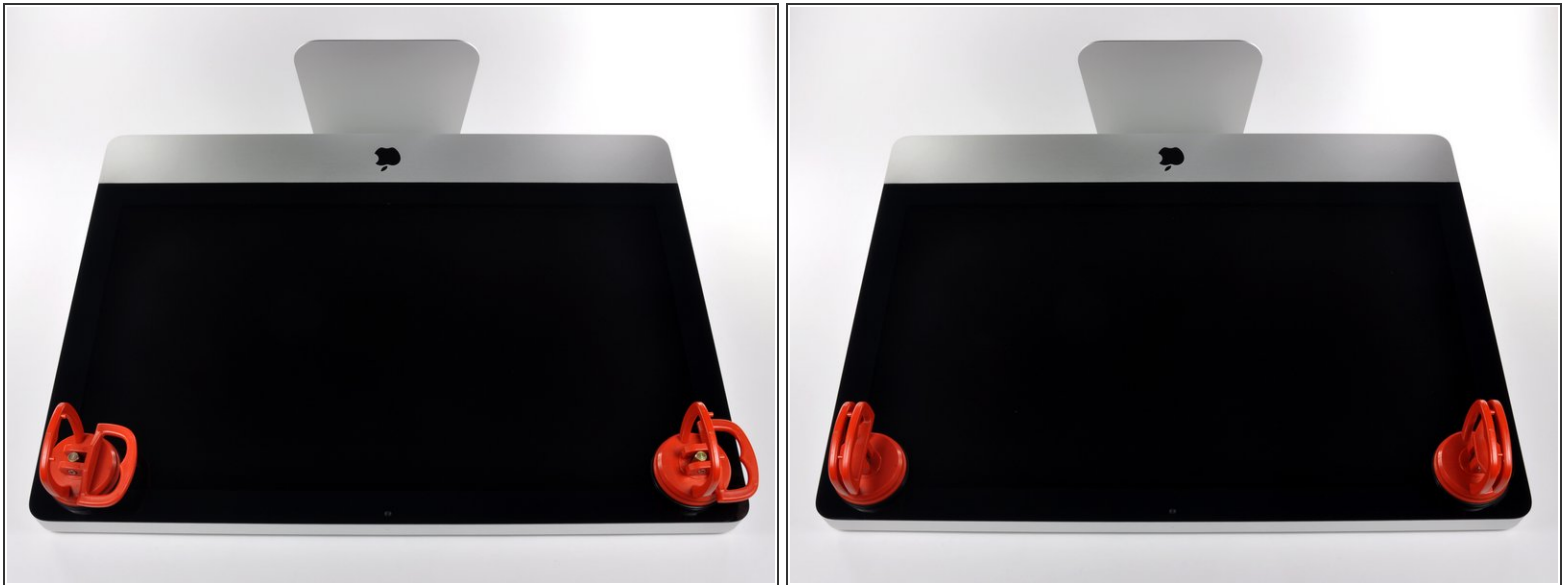
- [Heavy-Duty Suction Cups \(Pair\)](#) (1)
- [Spudger](#) (1)
- [T10 Torx Screwdriver](#) (1)
- [T8 Torx Screwdriver](#) (1)



PARTS:

- [iMac Intel 21.5" \(EMC No. 2428\) SD Board](#) (1)

Step 1 — Glass Panel



- i** Before beginning, unplug your iMac and lay it on a soft surface as shown.

 - Stick a suction cup near each of the two top 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.

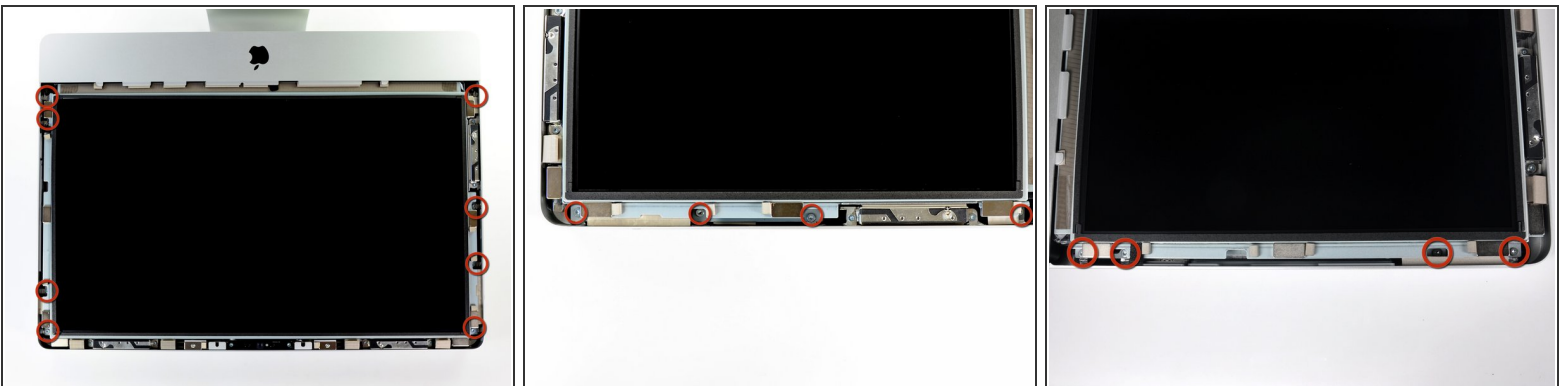
 - If your suction cups refuse to stick, try cleaning both the glass panel and the suction cup with a mild solvent.

Step 2



- Gently lift the glass panel perpendicular to the face of the LCD enough to clear the steel mounting pins attached along the underside of the top edge of the glass panel.
 - Pull the glass panel away from the lower edge of the iMac and carefully set it aside.
- ✦ During reinstallation, be sure to meticulously clean the inside of the glass panel and the face of the LCD as any dust or fingerprints trapped inside will be annoyingly visible when the machine is turned on.

Step 3 — Display



- Remove the eight 8 mm T10 Torx screws securing the display to the outer case.
- i** The last two pictures are detail shots of each side of the display.

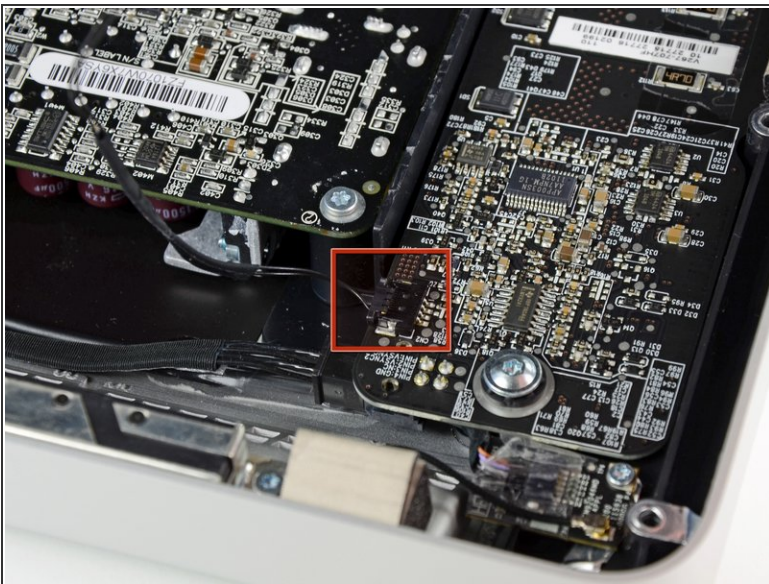
Step 4



- Slightly lift the top edge of the display out of the outer case.

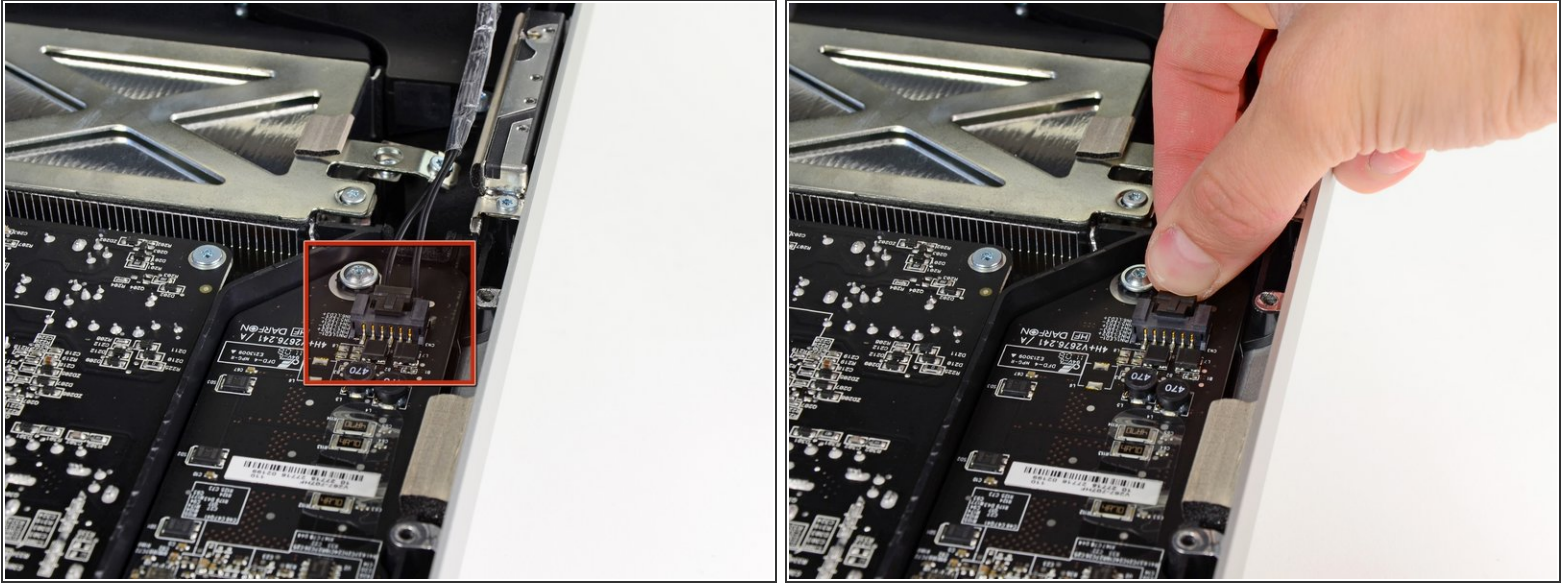
 Do not lift it too much. There are several cables attaching the display to the logic board. Twisting or pulling the display assembly with the cables attached will damage your iMac.

Step 5



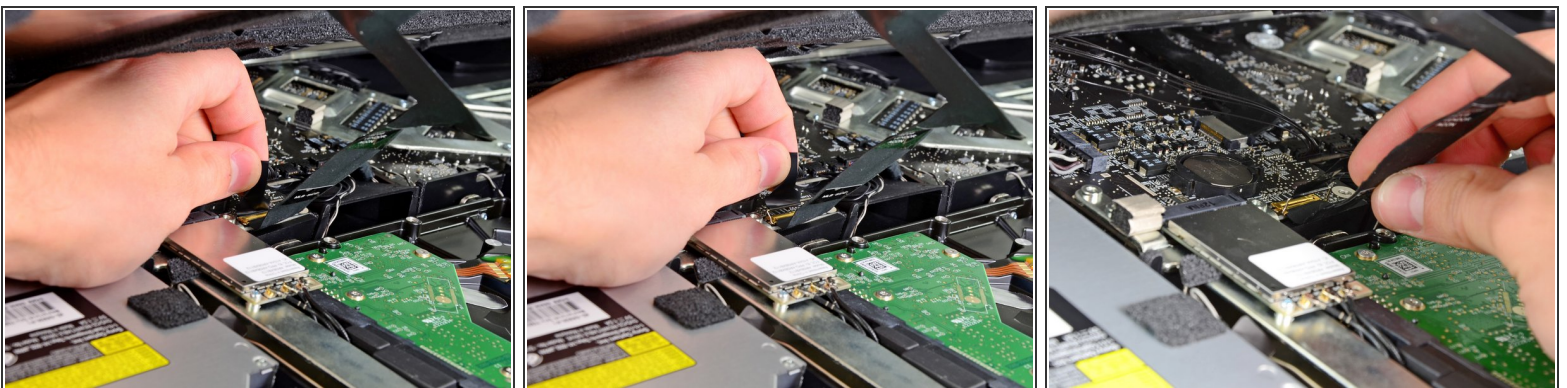
- Pull the vertical sync cable connector out of its socket on the LED driver board near the top left corner of your iMac.

Step 6



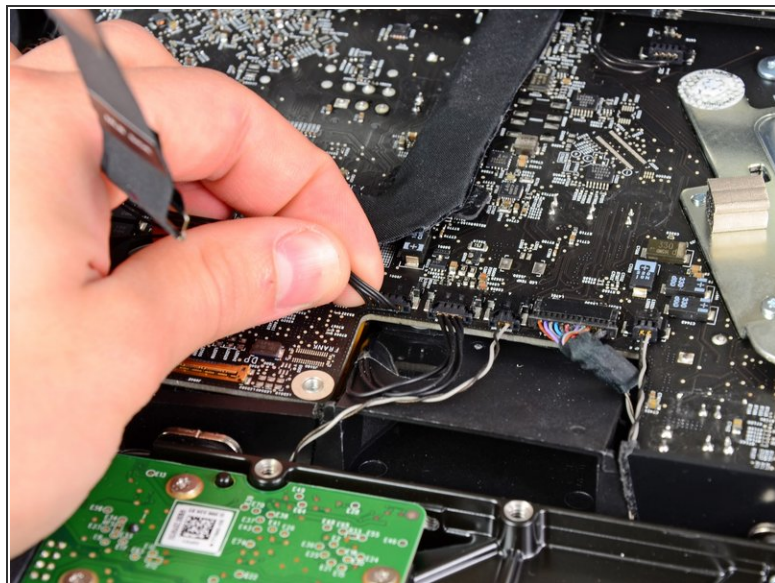
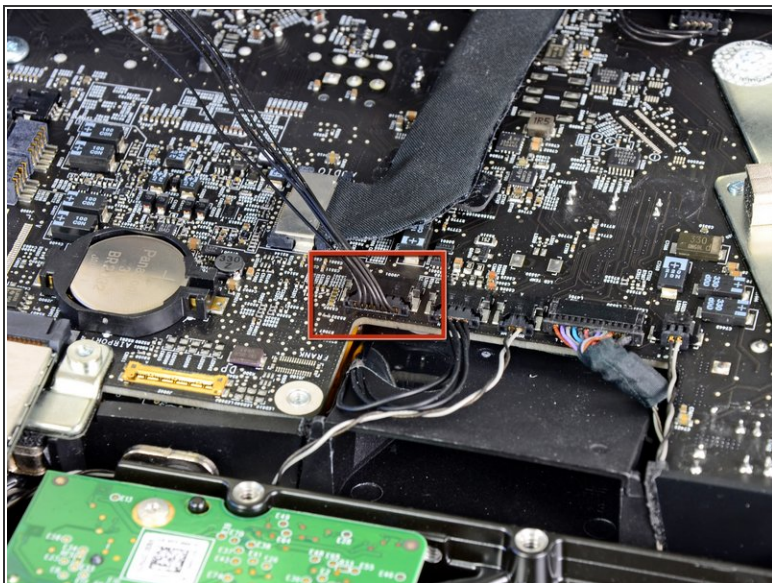
- Rotate the display out of the outer case enough to disconnect the LED backlight power cable from the LED driver board.
- ⓘ Disconnect the LED backlight power cable by depressing the locking mechanism while pulling the connector away from its socket (toward the bottom edge of the iMac).

Step 7



- Grab the plastic pull tab secured to the display data cable lock and rotate it towards upwards.
- Pull the display data cable straight out of its socket on the logic board.
- ⓘ Do not lift up on the display data cable, as its socket is very fragile. Pull the cable parallel to the face of the logic board.

Step 8



- Disconnect the LCD thermal sensor cable connector from its socket on the logic board.

Step 9



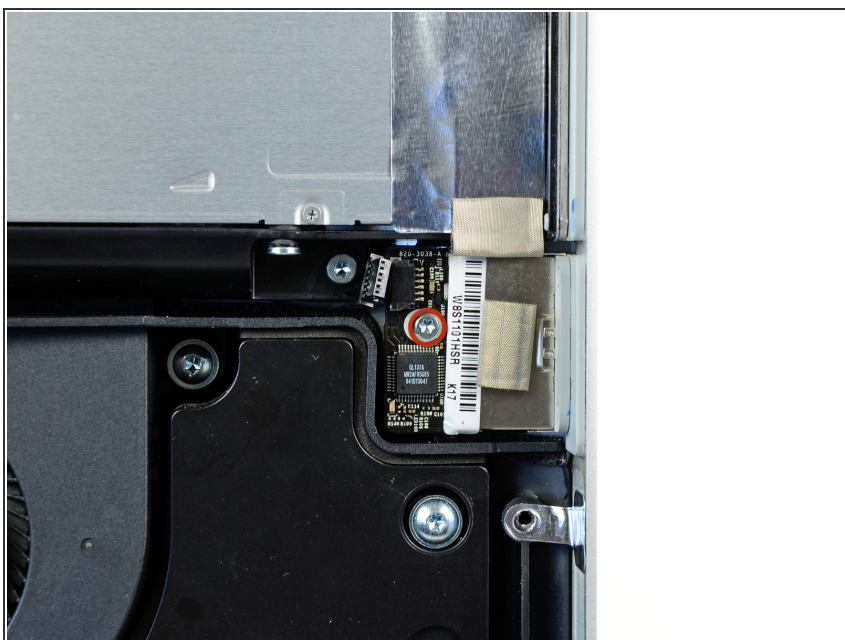
- Carefully pull the display toward the top edge of your iMac and lift it out of the outer case, minding any cables that may get caught.

Step 10 — SD Board



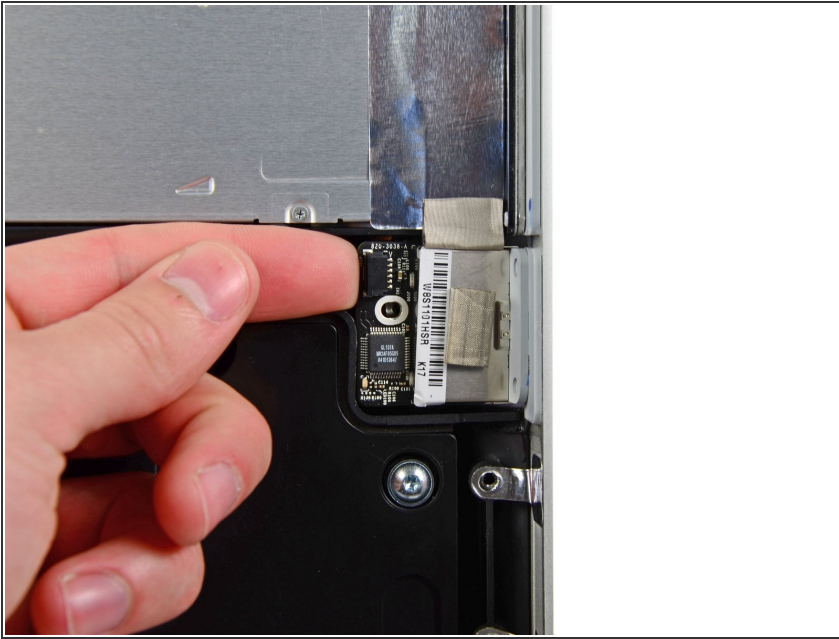
- Use the tip of a spudger to push the SD board cable connector out of its socket.
- ⓘ It may be helpful to alternate pushing from the top and bottom of the connector until it is disconnected.

Step 11



- Remove the single 8 mm T8 Torx screw securing the SD board to the outer case.

Step 12



- Lift the free end of the SD board to clear the plastic optical drive fan body, then pull it away from the edge of the outer case to clear the two mounting pins.
- ★ When reinstalling the SD board, first position its right edge on the pins molded into the right side of the outer case. Then carefully push the SD board down into its recess, being careful not to break any Surface Mount Device components off the board's left edge.

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