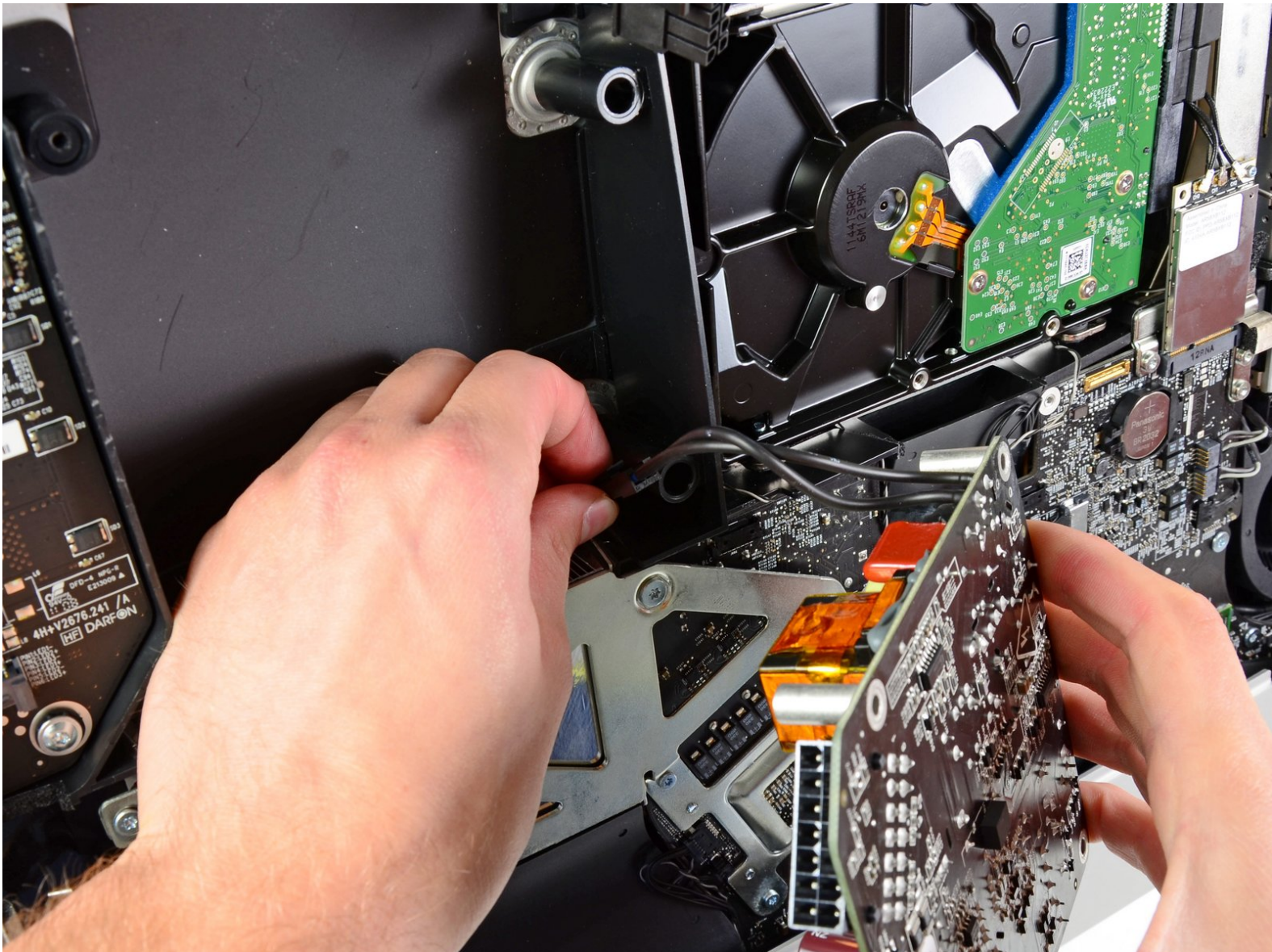




iMac Intel 21.5" EMC 2428 Power Supply Replacement

Replace the power supply in your iMac Intel 21.5" EMC 2428.

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INTRODUCTION

Use this guide to replace a faulty power supply.



TOOLS:

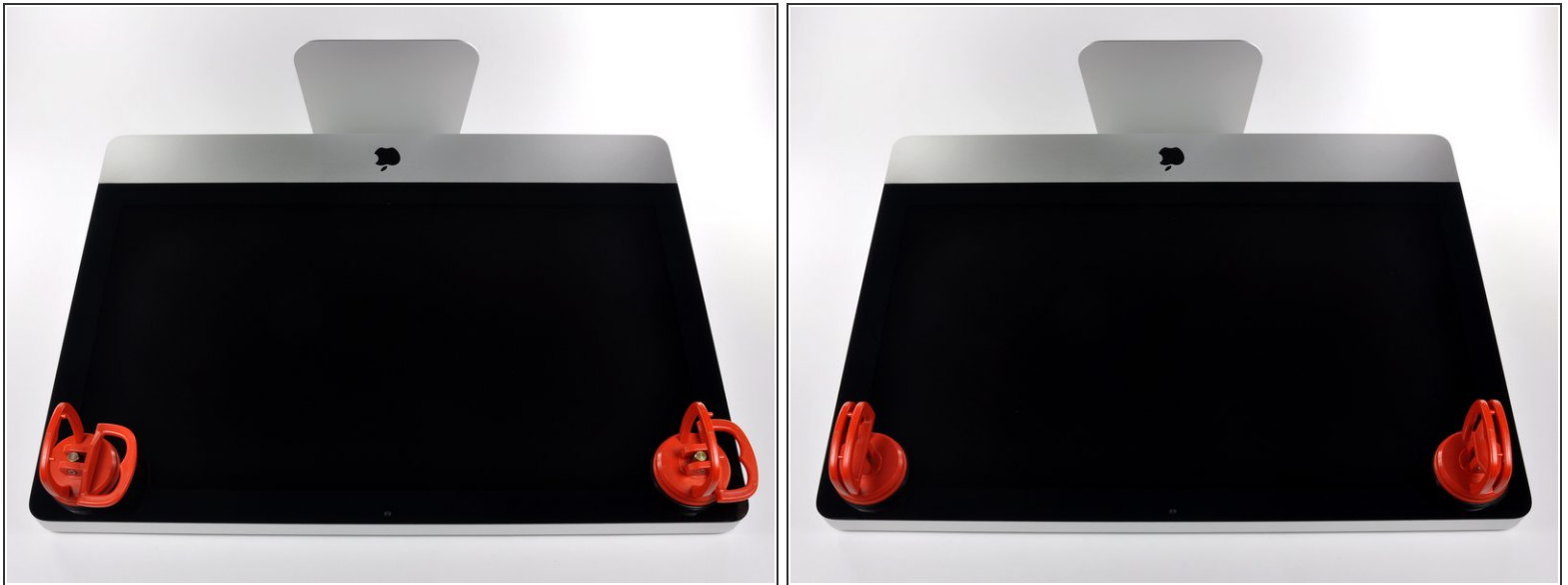
- [Heavy-Duty Suction Cups \(Pair\)](#) (1)
- [TR10 Torx Security Screwdriver](#) (1)



PARTS:

- [iMac 21.5" Power Supply](#) (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.

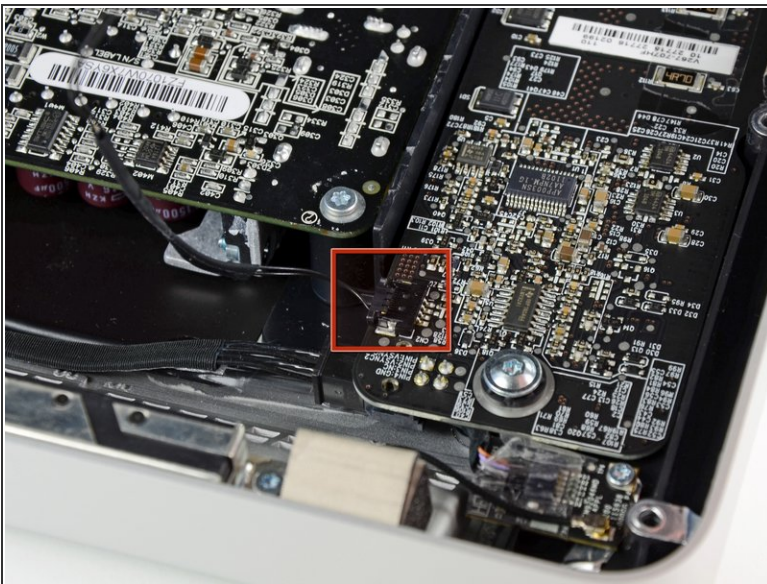
Step 4



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

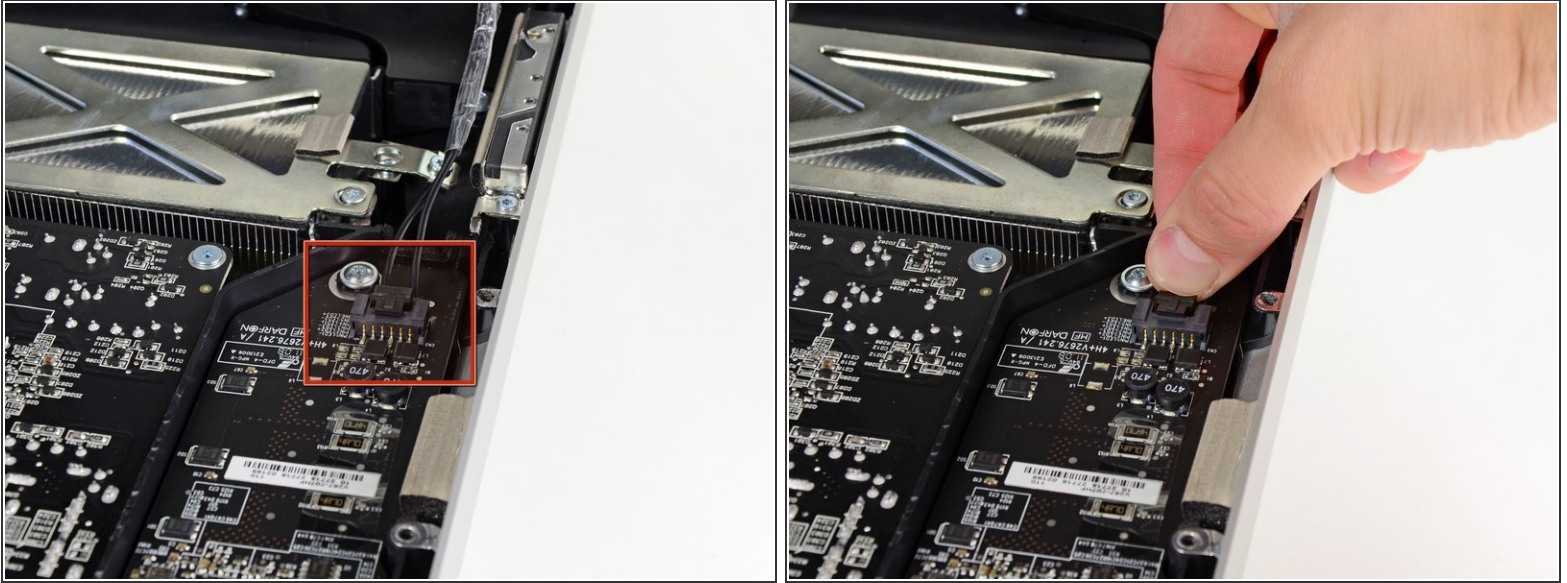
⚠ Do not lift it too much. There are several cables attaching the display to the logic board. Twisting or pulling the display assembly with the cables attached will damage your iMac.

Step 5



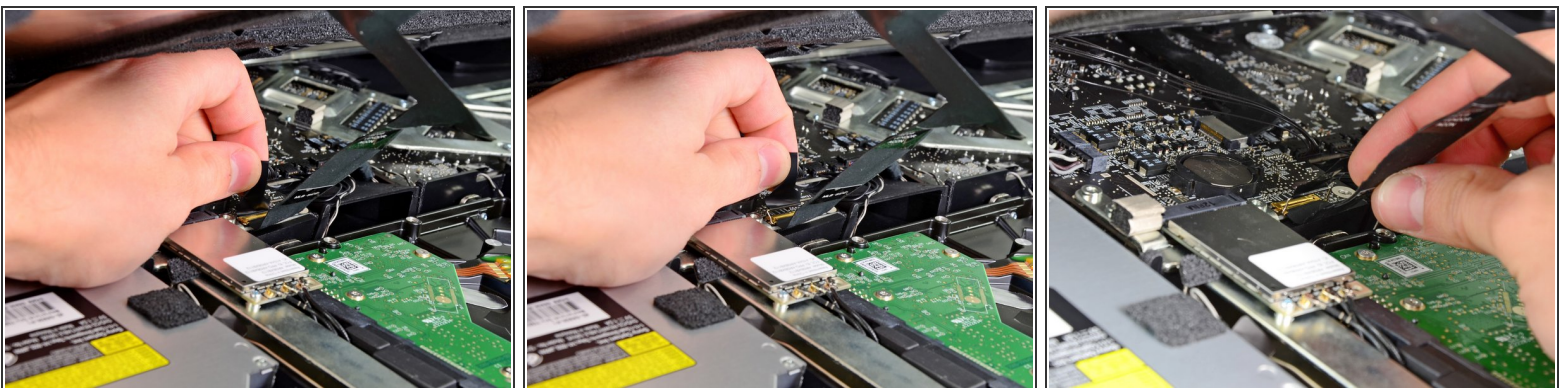
- Pull the vertical sync cable connector out of its socket on the LED driver board near the top left corner of your iMac.

Step 6



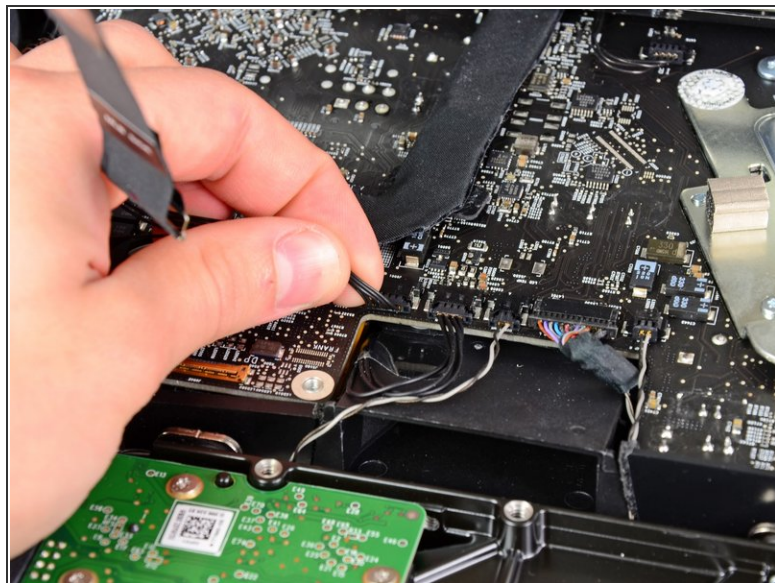
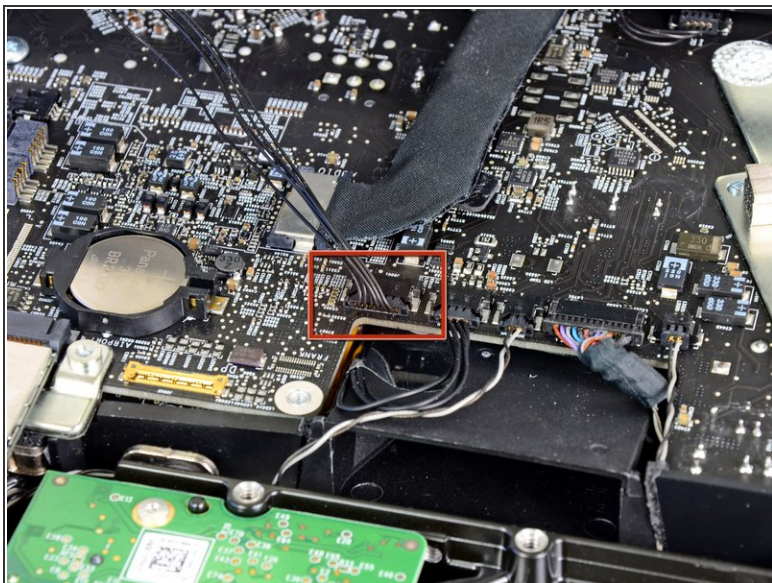
- Rotate the display out of the outer case enough to disconnect the LED backlight power cable from the LED driver board.
- ❗ Disconnect the LED backlight power cable by depressing the locking mechanism while pulling the connector away from its socket (toward the bottom edge of the iMac).

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



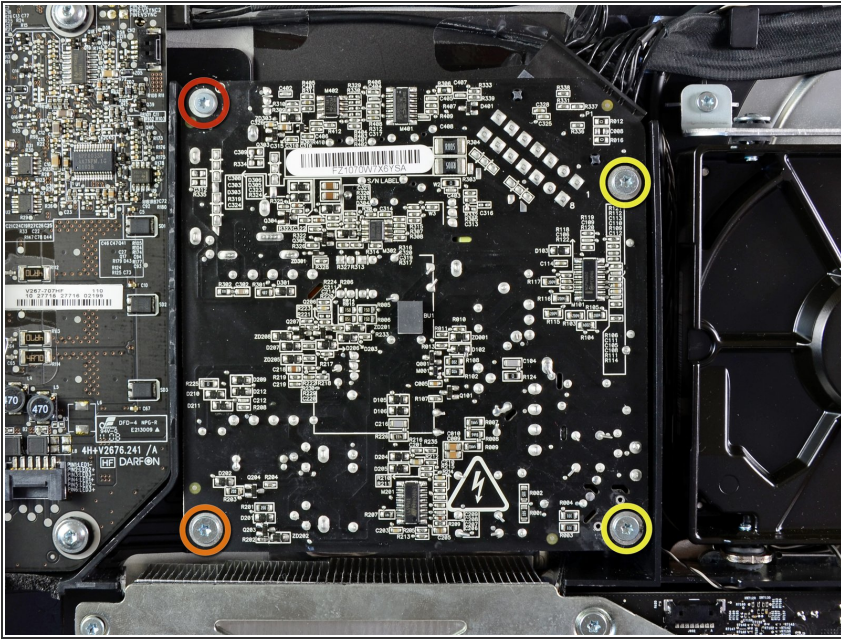
- Disconnect the LCD thermal sensor cable connector from its socket on the logic board.

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.

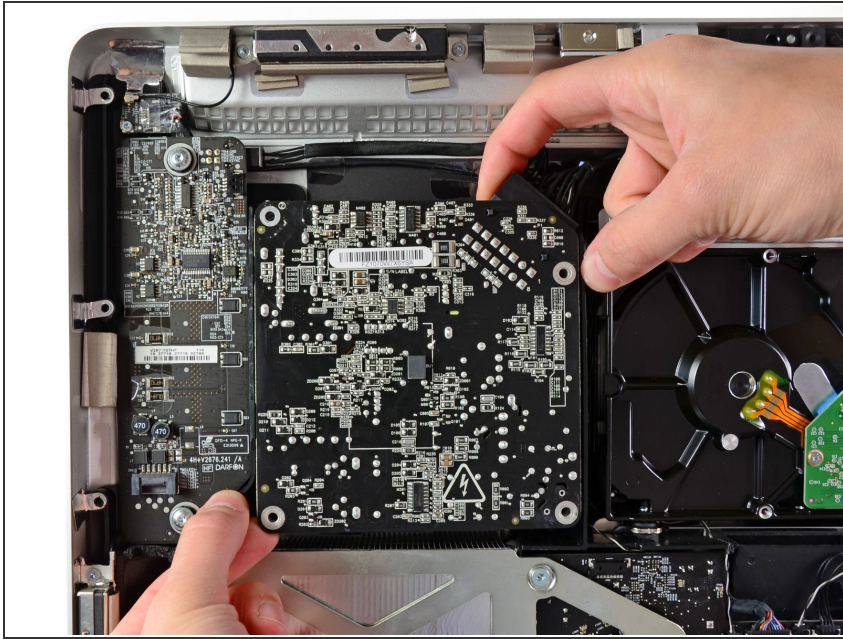
Step 10 — Power Supply



⚠ The next few steps bring your hands close to the exposed face of the power supply. To avoid a high voltage shock from the many large capacitors attached to the board, do not touch the face of the power supply.

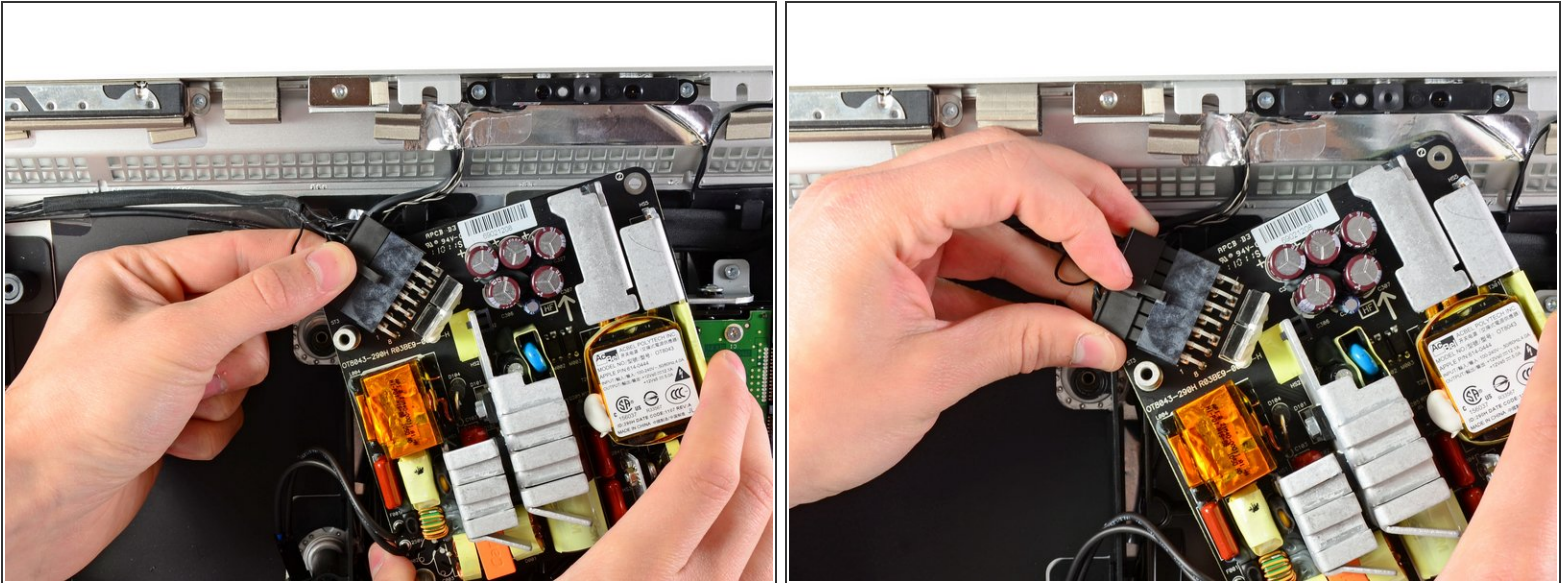
- Remove the following four screws securing the power supply to the outer case:
 - One 9.3 mm T10 coarse-threaded screw
 - One 25 mm T10 coarse-threaded screw
 - Two 22 mm T10 fine-threaded screws

Step 11



- Pull the upper right and lower left corners of the power supply away from the rear case to dislodge the mounting posts attached to the power supply's corners.

Step 12



- Carefully lift the power supply out of the outer case and rotate it to expose the cable lock as shown, minding the DC-Out and AC-In cables still attaching it to the iMac.
- Disconnect the DC-Out cable by depressing the locking mechanism on the connector while you pull the connector away from its socket on the power supply.
- Once the locking mechanism has cleared the socket, pull the DC-Out connector away from the power supply.

Step 13



- Disconnect the AC-In cable by depressing the locking mechanism while pulling the connector away from its socket.
- Remove the power supply from the outer case.

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