iBook G4 14" 1.42 GHz Display Inverter Replacement

Replace a blown display inverter on your 14" iBook G4 1.42 GHz.

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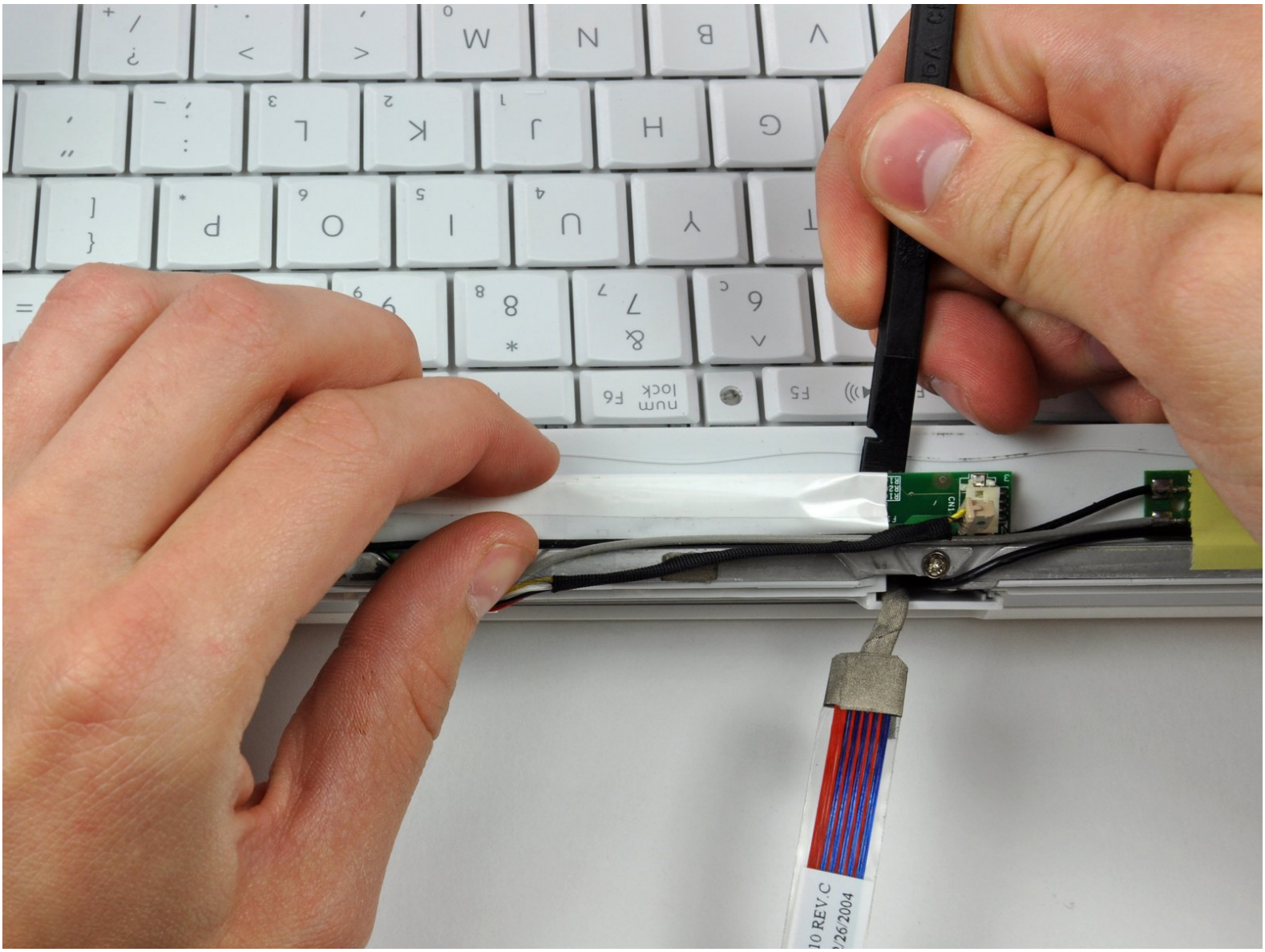


INTRODUCTION

Use this guide to remedy a non-lighting LCD backlight by replacing your blown-out display inverter.

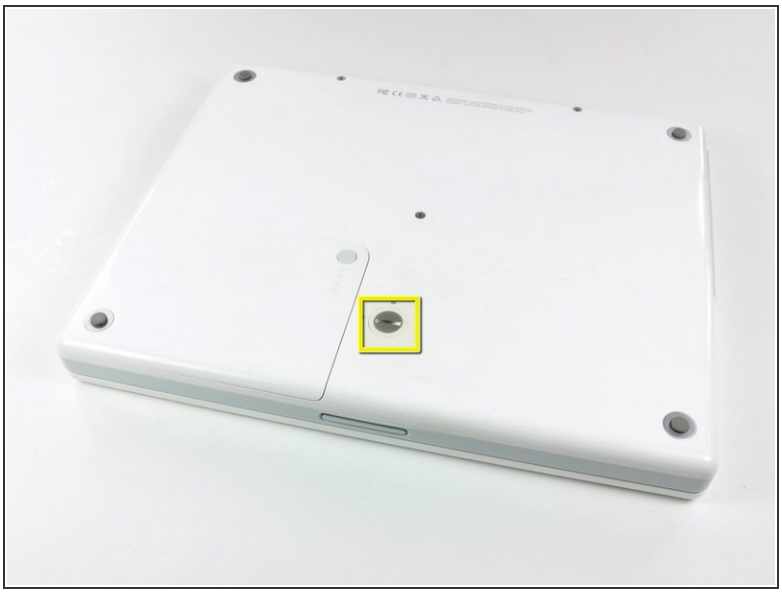
TOOLS:

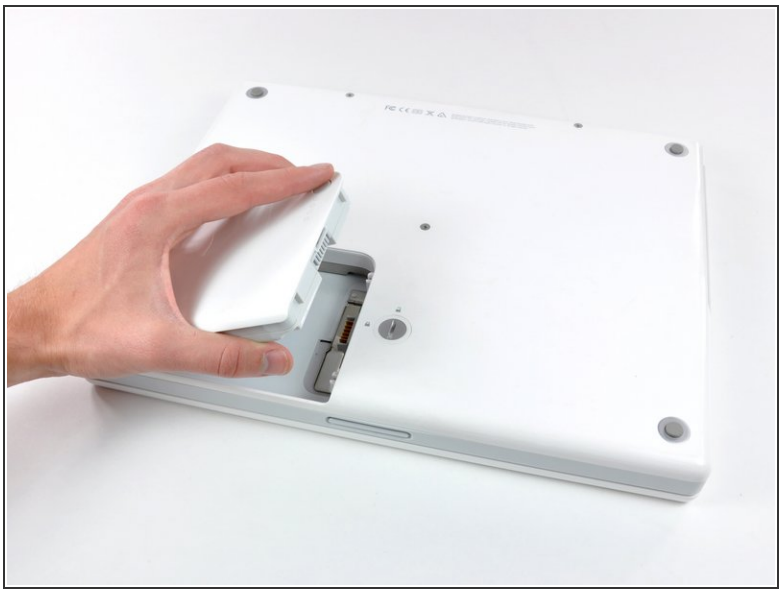
- 1.5mm Hex Screwdriver (1)
- Coin (1)
- Phillips #00 Screwdriver (1)
- Flathead 3/32" or 2.5 mm Screwdriver (1)
- Spudger (1)

PARTS:

- iBook G3 or G4 Display Inverter (1)

Step 1 — Battery





- Use a coin to rotate the battery locking screw 90 degrees clockwise.
- Lift the battery out of the computer.

Step 2 — Rear Display Bezel

- Use a 1.5 mm hex screwdriver to remove the two hex screws on either side of the display (four screws total).
- If you don't have a 1.5 mm hex driver, you can probably get these screws out with a T6 Torx screwdriver. However, if you use a T6 Torx driver you'll be more likely to strip the screws.

Step 3

- Insert the flat end of a spudger perpendicular to the face of the display into the gap between the front and rear bezels near the upper left corner of the display.
- Rotate the spudger away from the display to pry the rear bezel off the front bezel.

Step 4

- Run your spudger along the top edge of the front display bezel to evenly separate the two bezels.

Step 5

- Working down from the upper left corner, use the flat end of a spudger to pry the rear bezel away from the left edge of the display.

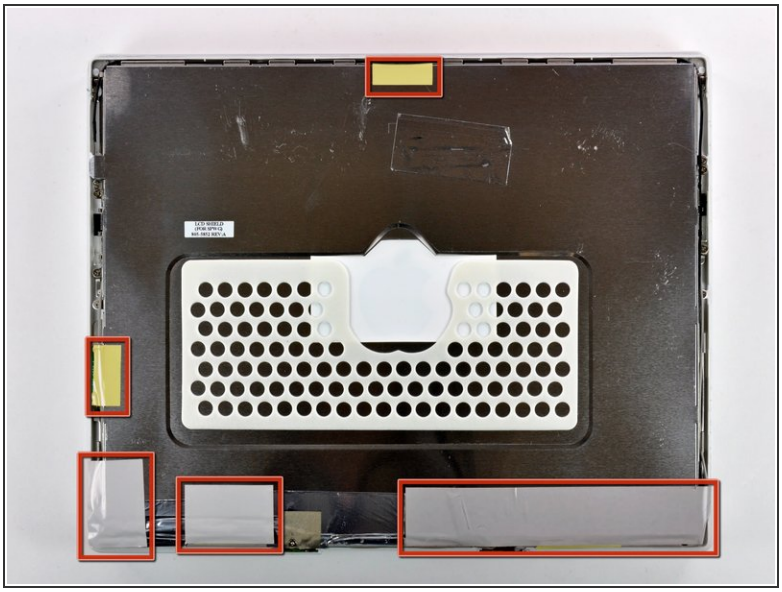
Step 6

- Use the flat end of a spudger to pry the rear bezel away from the right edge of the display.
- If necessary, pry along the bottom edge of the rear bezel to separate it from the display assembly.

Step 7

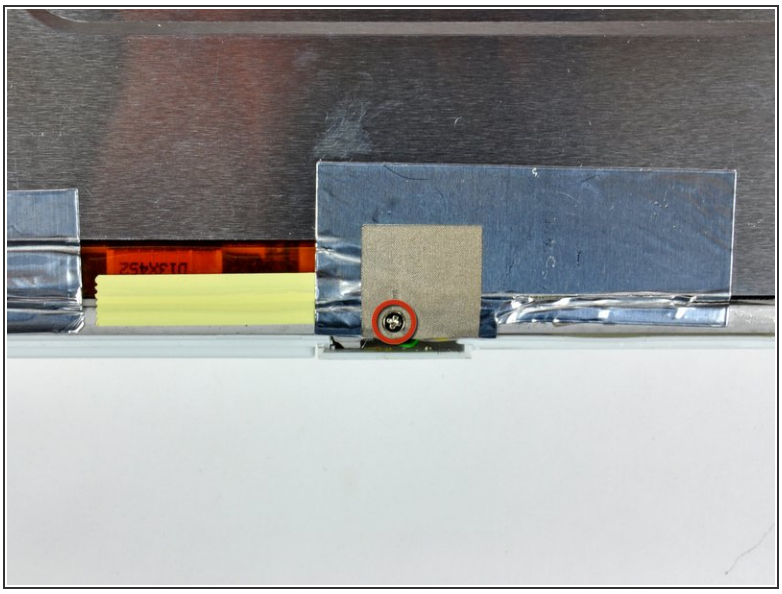
- Lift the rear bezel off the display assembly.

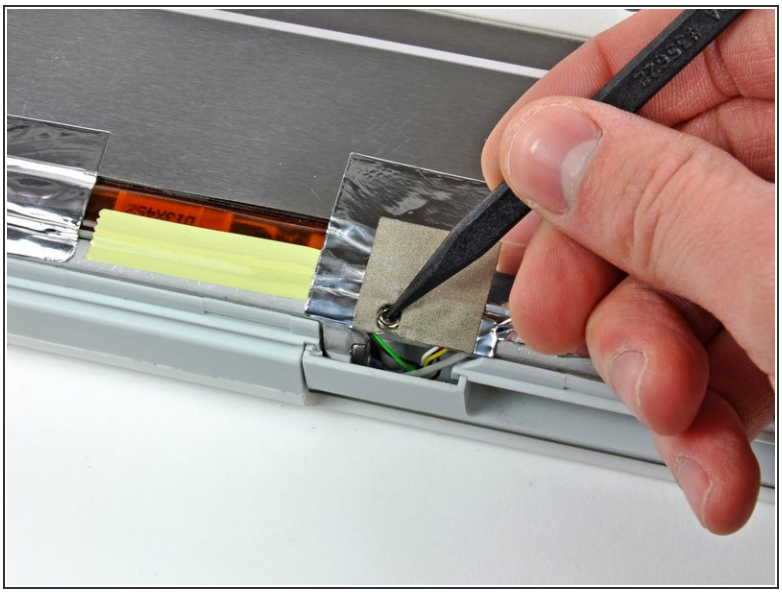
Step 8 — LCD



- Close the display.
- Remove the several pieces of tape securing the thin metal LCD cover to the display.
- Carefully remove the piece of foil tape covering the display data cable connection.

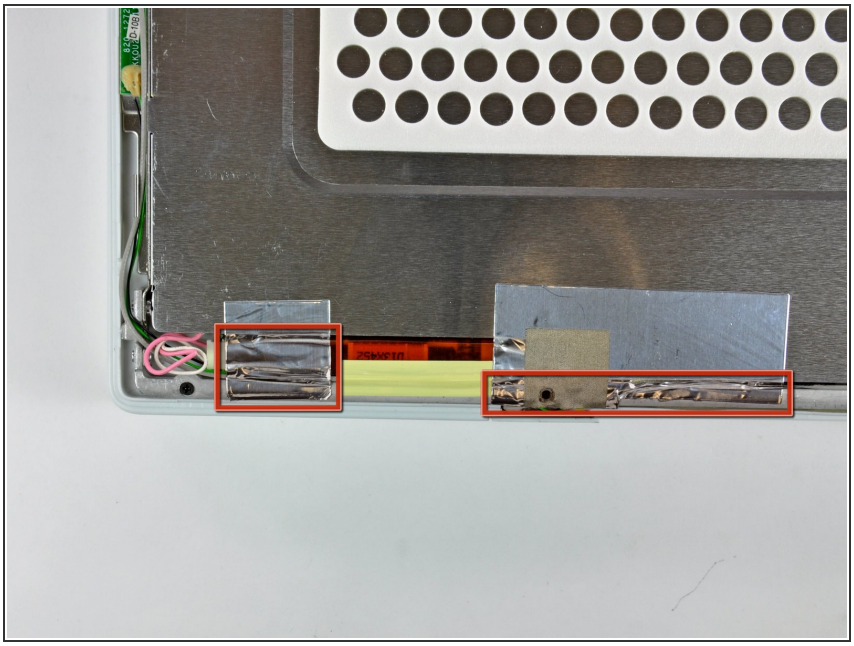
Step 9





- Remove the Phillips screw near the right display hinge.
- Use the tip of a spudger to remove the small spacer under the screw you just removed.

Step 10



- Pull the foil/braided pieces of tape off the aluminum frame of the clutch hinges.

Leave the tape attached to the thin steel LCD cover.

Step 11

- Remove the two Phillips screws securing the left and right sides of the LCD to the frame of the clutch hinges (four screws total).

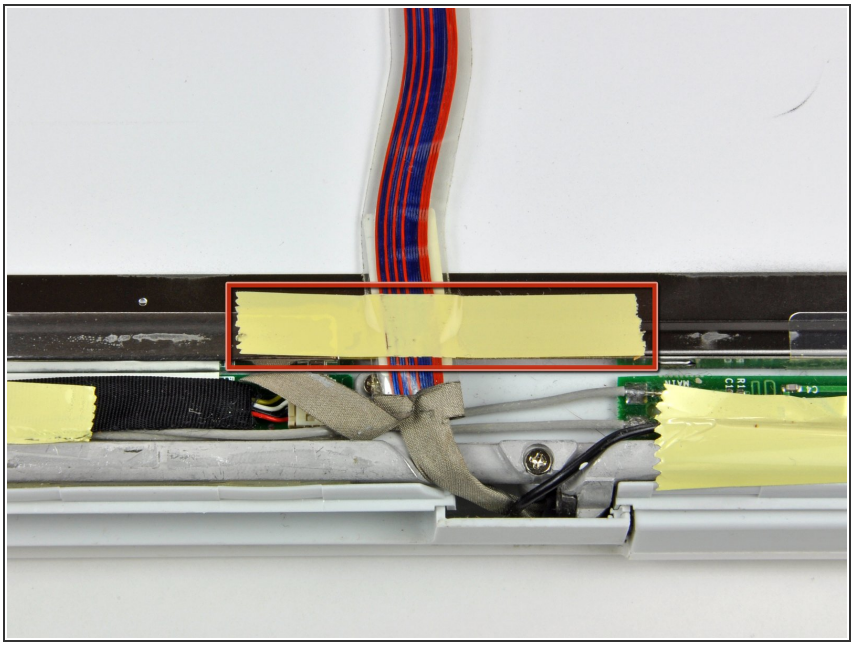
Step 12

- Carefully remove the thin steel LCD cover.

Step 13

- Disconnect the display data cable by pulling the cable away from the socket on the LCD.

Step 14



- Remove the strip of yellow tape securing the display data cable to the metal LCD frame.

Step 15

- Disconnect the backlight cable from the inverter.

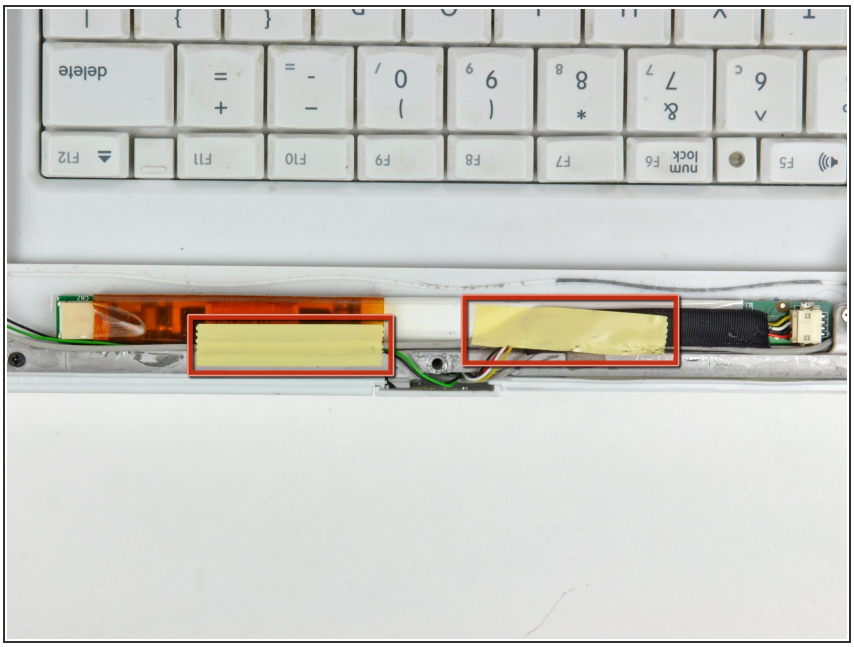
It is helpful to use a spudger to push the backlight connector away from its socket while you lightly pull its cables away from the inverter.

Step 16

- Lift the LCD out of the display assembly.

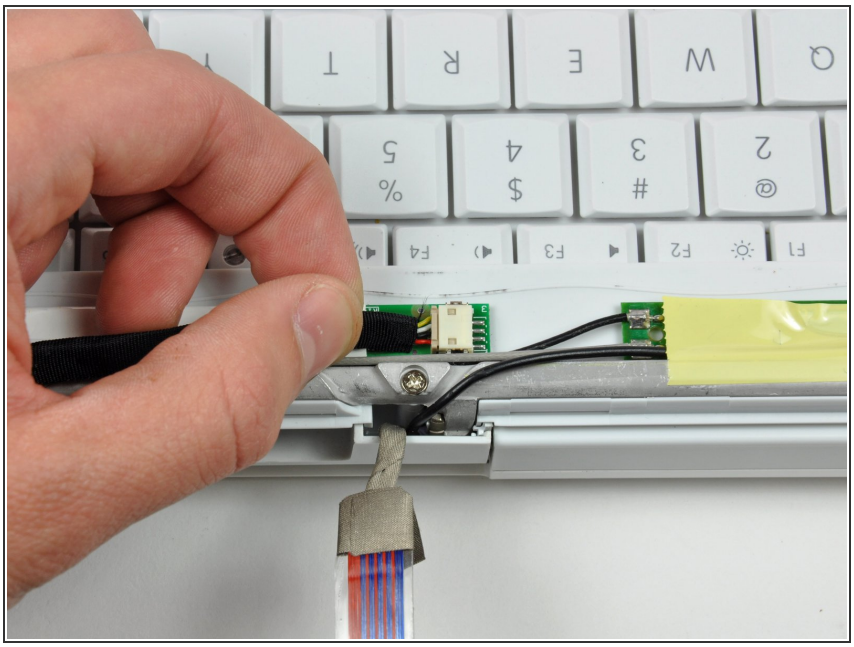
It may be helpful to press the latch release button and open your display slightly to push the LCD out of the display assembly.

Step 17 — Display Inverter



- Remove the two pieces of yellow tape covering the inverter/AirPort cables.

Step 18



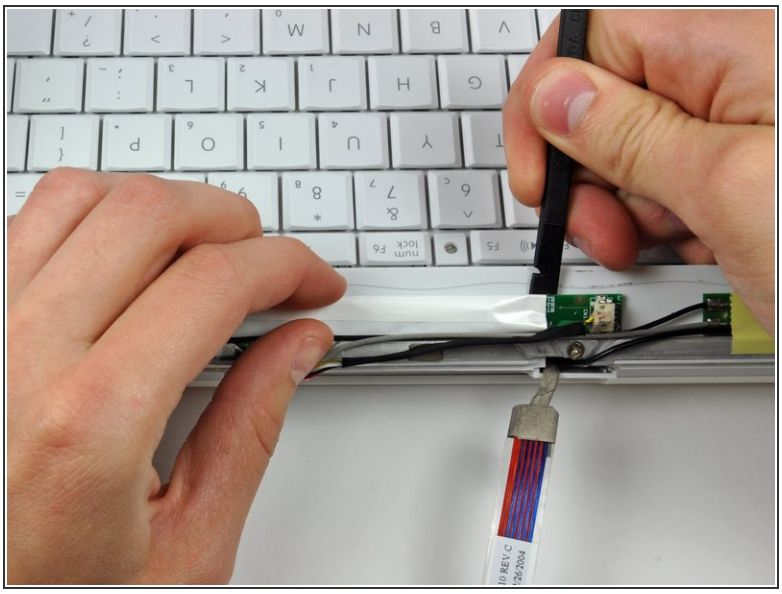
- Disconnect the inverter cable by pulling its connector away from the socket on the inverter board.

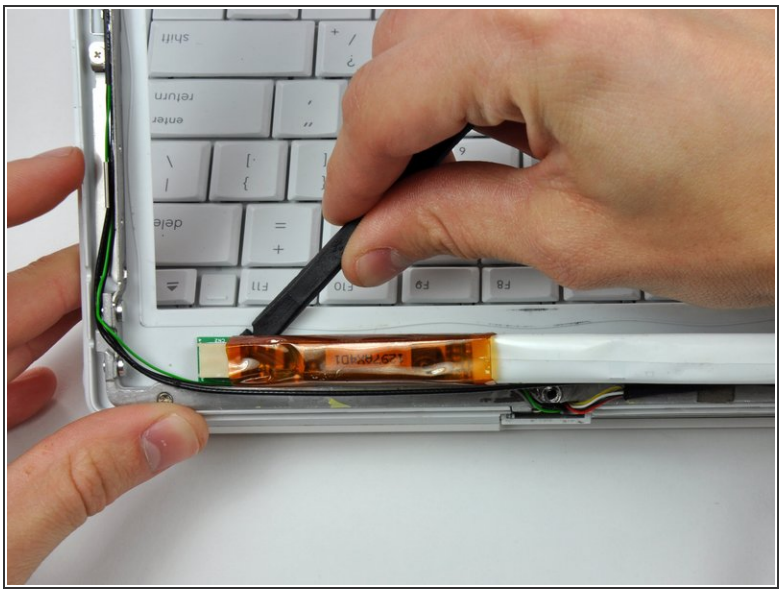
The inverter board is a very thin and delicate circuit board that is easily broken. Use caution.

This connector tends to stick in its socket. It is helpful to push the connector with the tip of a spudger through the two small holes in the top of the socket while pulling the connector away from the socket.

Make sure to grasp the inverter cabling by the black tape and not the individual wires. Pulling the wires themselves will surely damage the inverter cable.

Step 19





- Insert the flat end of a spudger under the middle of the inverter board.
- Slide the spudger to the far left and right edges to separate the inverter board from the adhesive securing it to the front bezel.
- Remove the inverter board.

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

