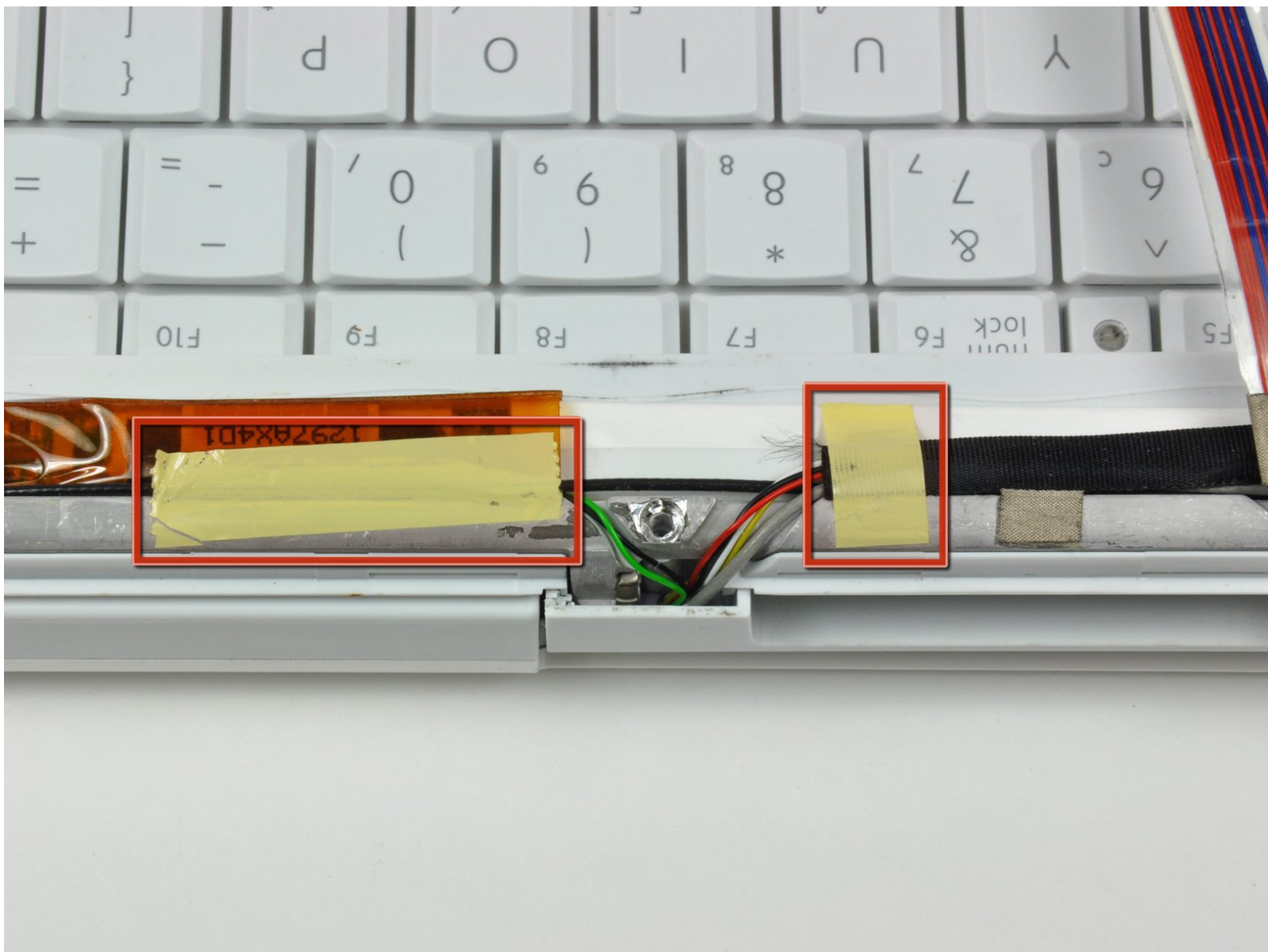




iBook G4 12" 800 MHz-1.2 GHz Display Inverter Replacement

Written By: Andrew Bookholt



INTRODUCTION

Replace a faulty display inverter with the display attached to your iBook.



TOOLS:

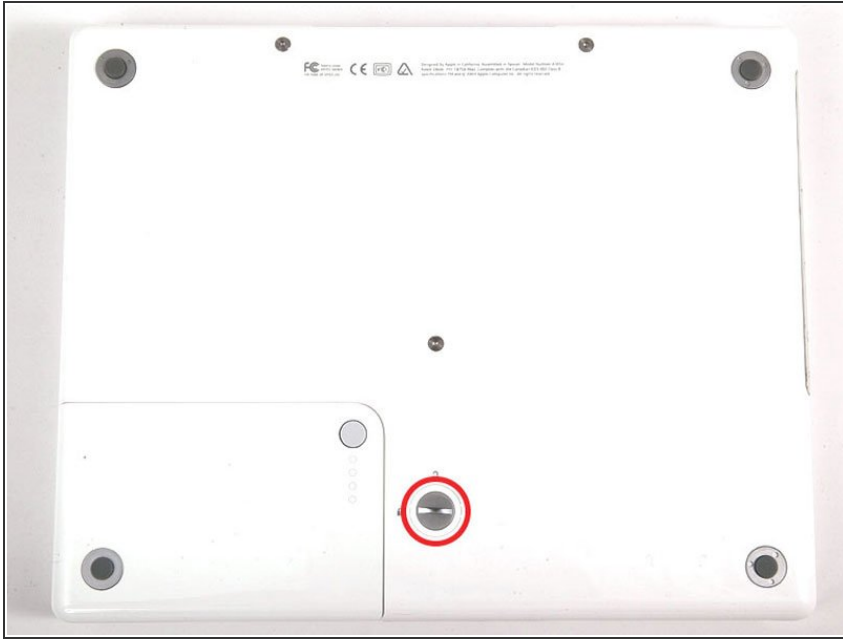
- [1.5mm Hex Screwdriver](#) (1)
- [Coin](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Spudger](#) (1)



PARTS:

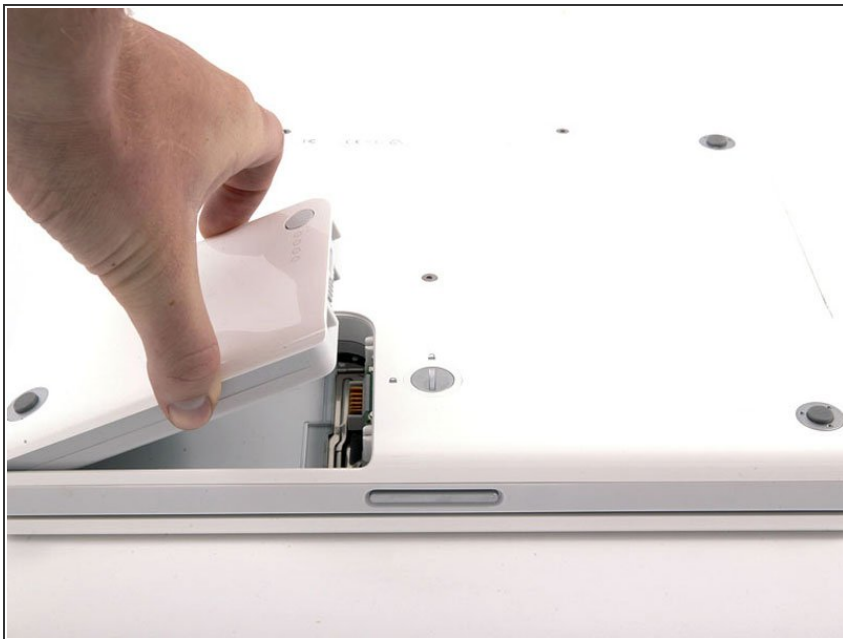
- [iBook G3 or G4 Display Inverter](#) (1)

Step 1 — Battery



- Use a coin to rotate the battery locking screw 90 degrees clockwise.

Step 2



- Lift the battery out of the computer.

Step 3 — Rear Display Bezel



- Use a 1.5mm hex screwdriver to remove the two hex screws on either side of the display (four screws total).
- ⓘ If you don't have a 1.5mm 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 4



- 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 5



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

Step 6



- 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 7



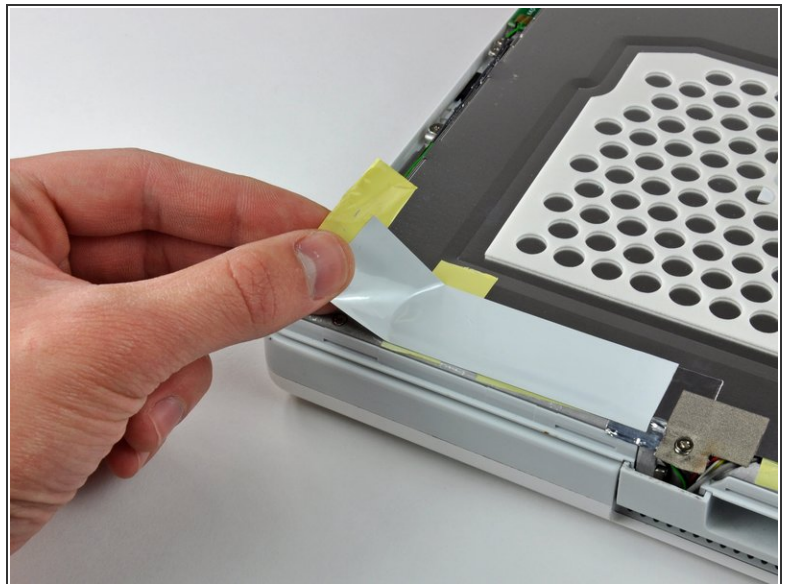
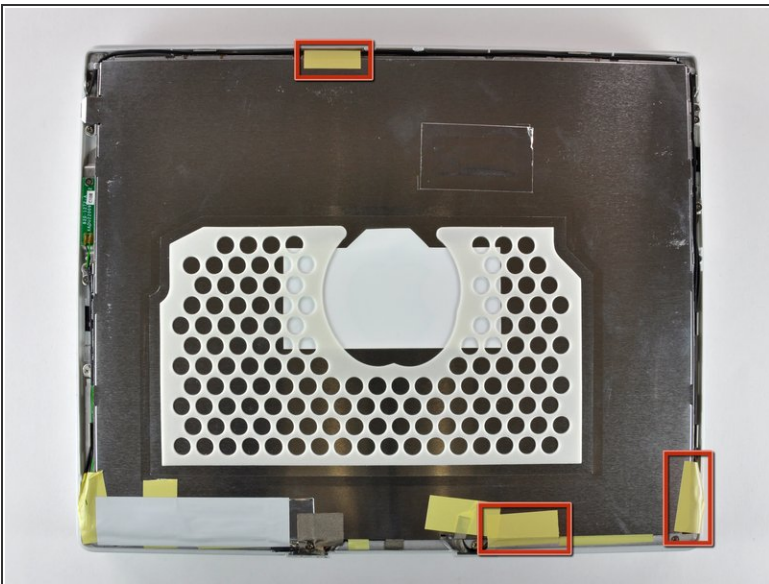
- Use the flat end of a spudger to pry the rear bezel away from the right edge of the display.
- If necessary, pry along the bottom edge of the rear bezel to separate it from the display assembly.

Step 8



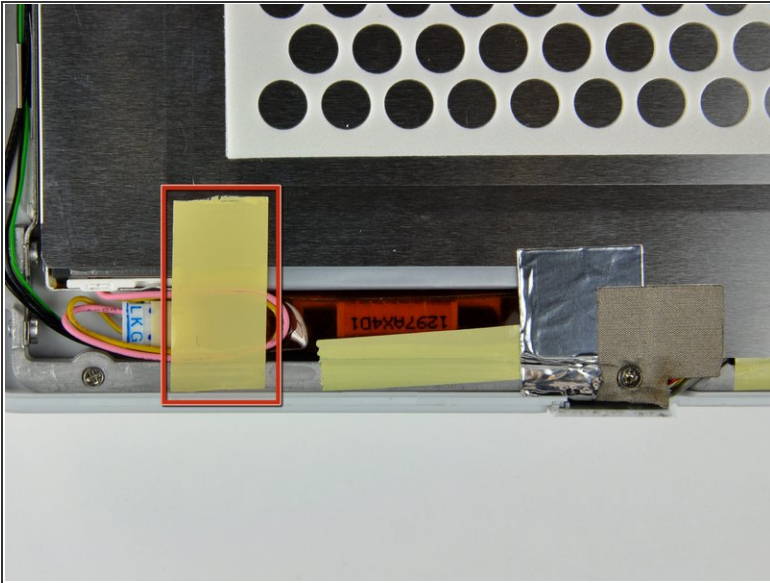
- Lift the rear bezel off the display assembly.

Step 9 — LCD



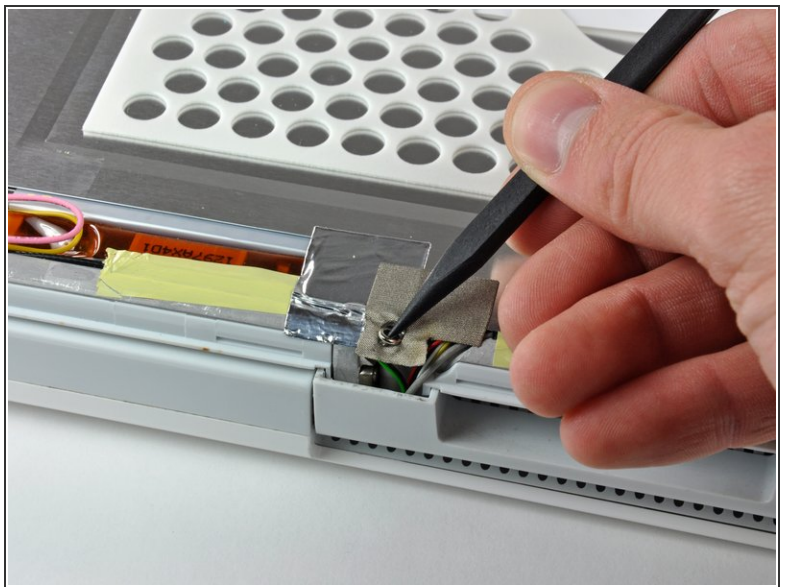
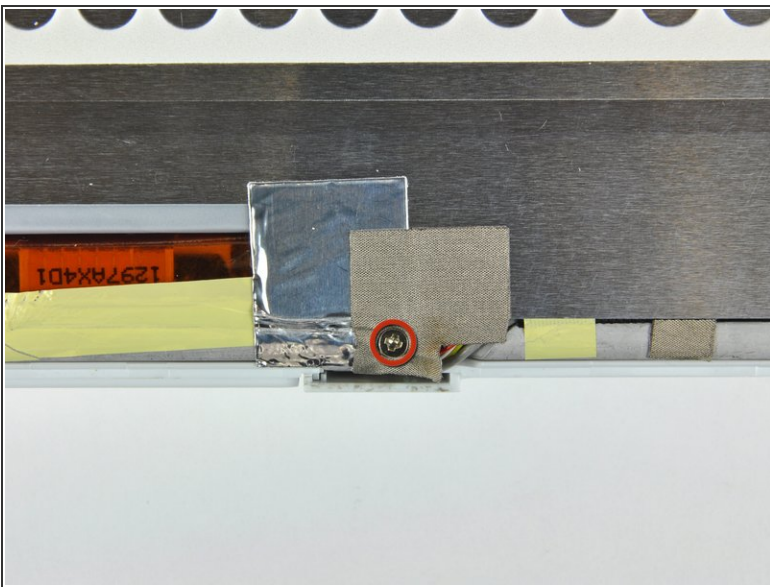
- Close the display.
- Remove the small pieces of yellow tape securing the thin metal LCD cover to the display.
- Remove the large piece of tape near the right display hinge.

Step 10



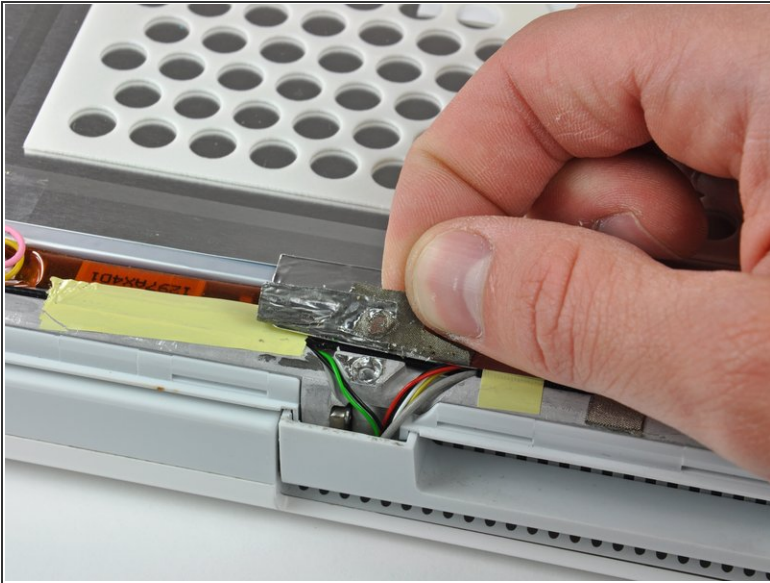
- Remove the tape covering the inverter cable connector.
- Remove the piece of foil tape near the center of the thin metal LCD cover.

Step 11



- 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 12



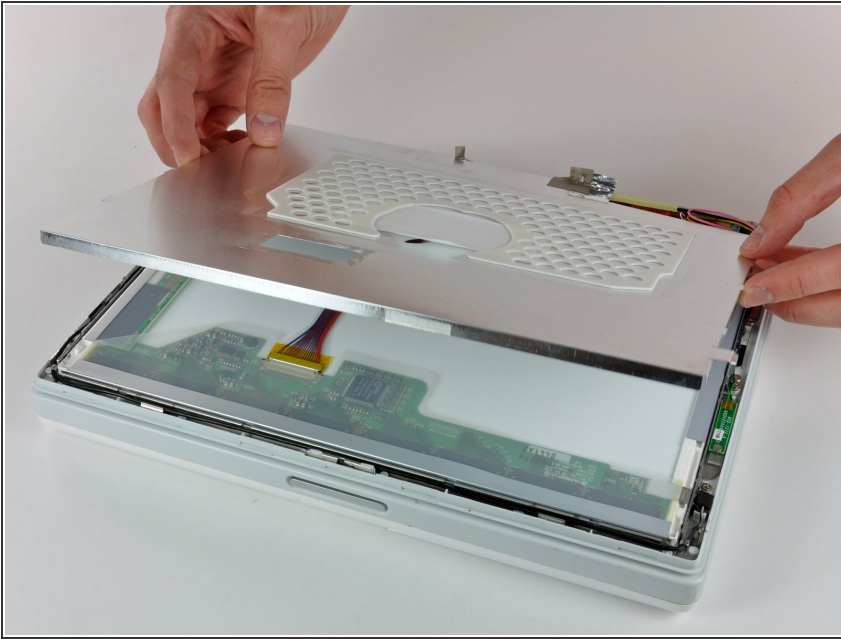
- Pull the foil/braided pieces of tape off the aluminum frame of the clutch hinges. Leave the tape attached to the thin steel LCD cover.
- Remove the small piece of tape holding the display data cable ground strap to the LCD cover.

Step 13



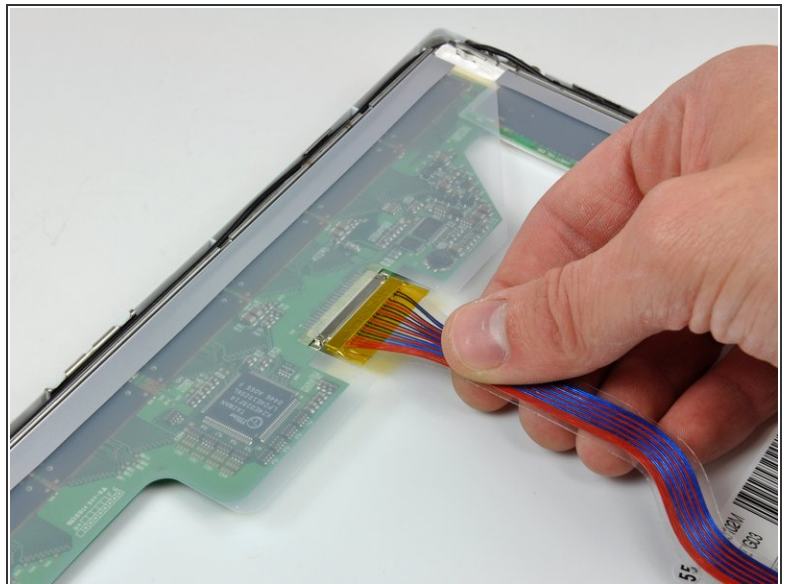
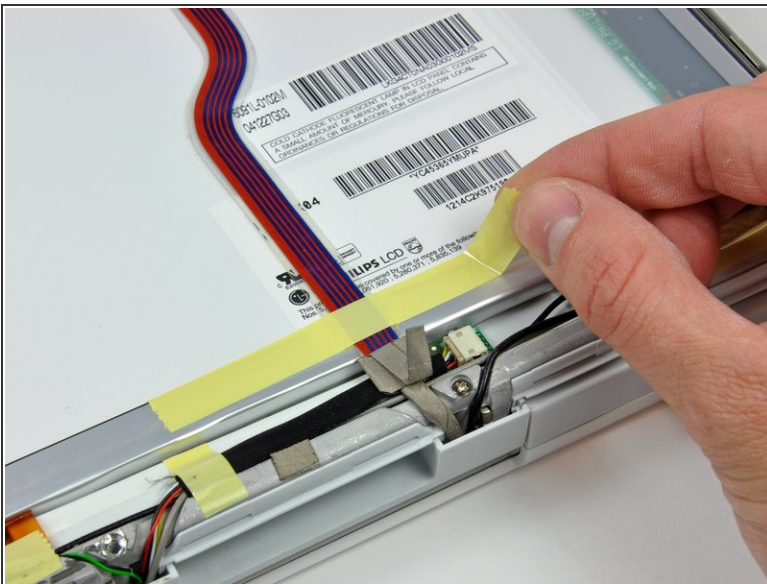
- Remove the two Phillips screws securing the left and right sides of the LCD to the frame of the clutch hinges (four screws total).

Step 14



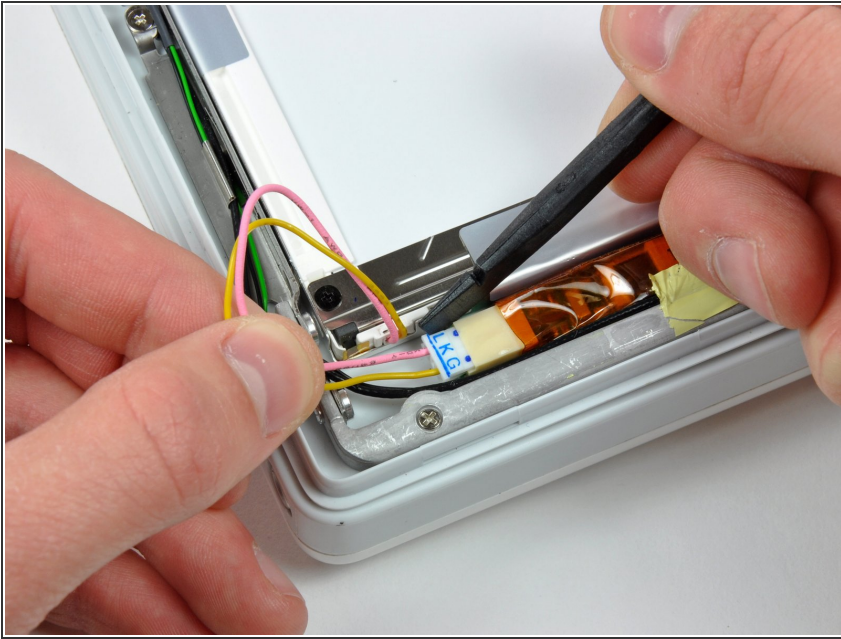
- Carefully remove the thin steel LCD cover.

Step 15



- Remove the long piece of tape securing the display data cable to the LCD.
- Disconnect the display data cable by pulling the cable away from the socket on the LCD.

Step 16



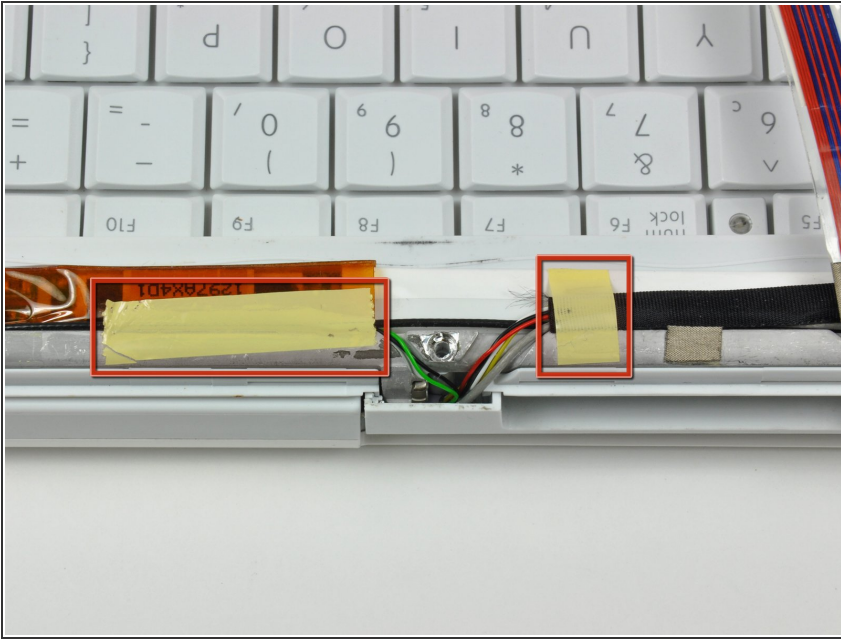
- Disconnect the backlight cable from the inverter.
- ⓘ It is helpful to use a spudger to push the backlight connector away from its socket while you lightly pull its cables away from the inverter.

Step 17



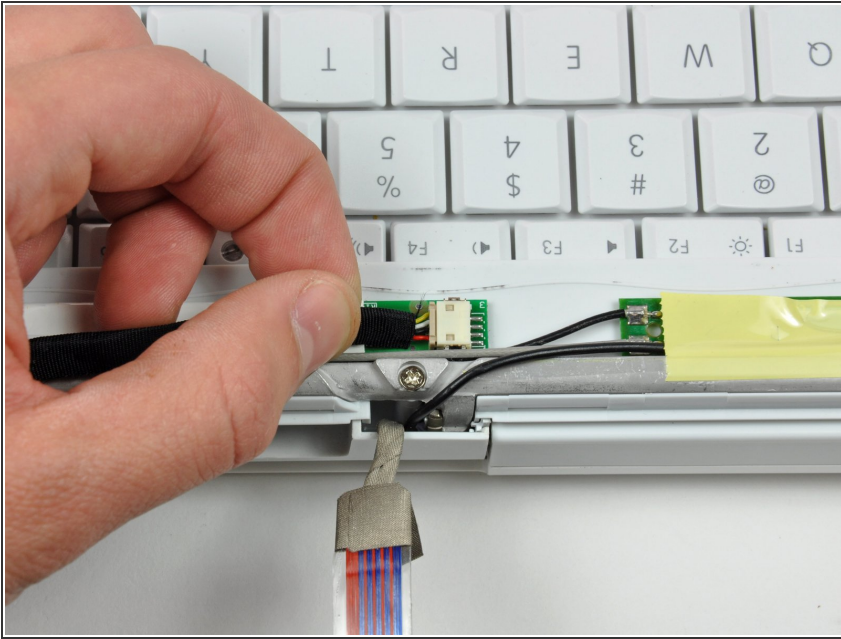
- Open the display.
- Lift the LCD out of the display assembly.

Step 18 — Display Inverter



- Remove the pieces of tape holding the inverter and the inverter cables to the clutch hinges.

Step 19



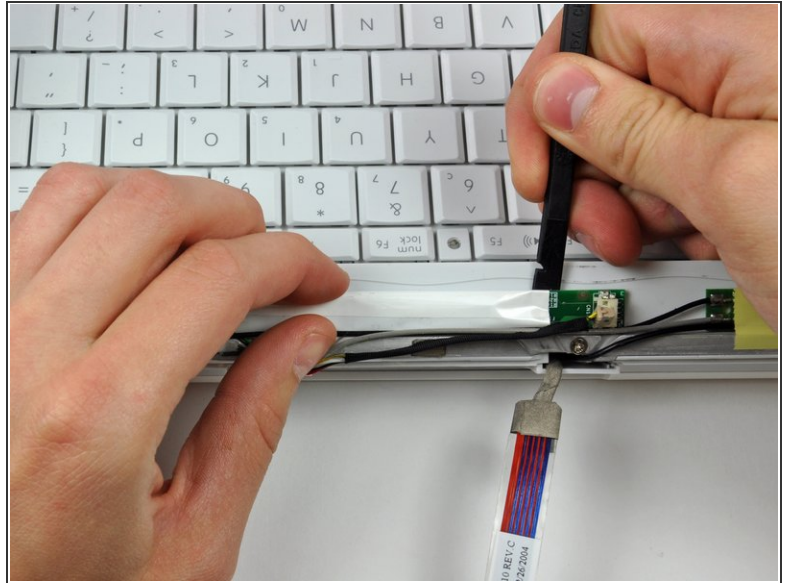
- Disconnect the inverter cable by pulling its connector away from the socket on the inverter board.

 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 20



- 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.