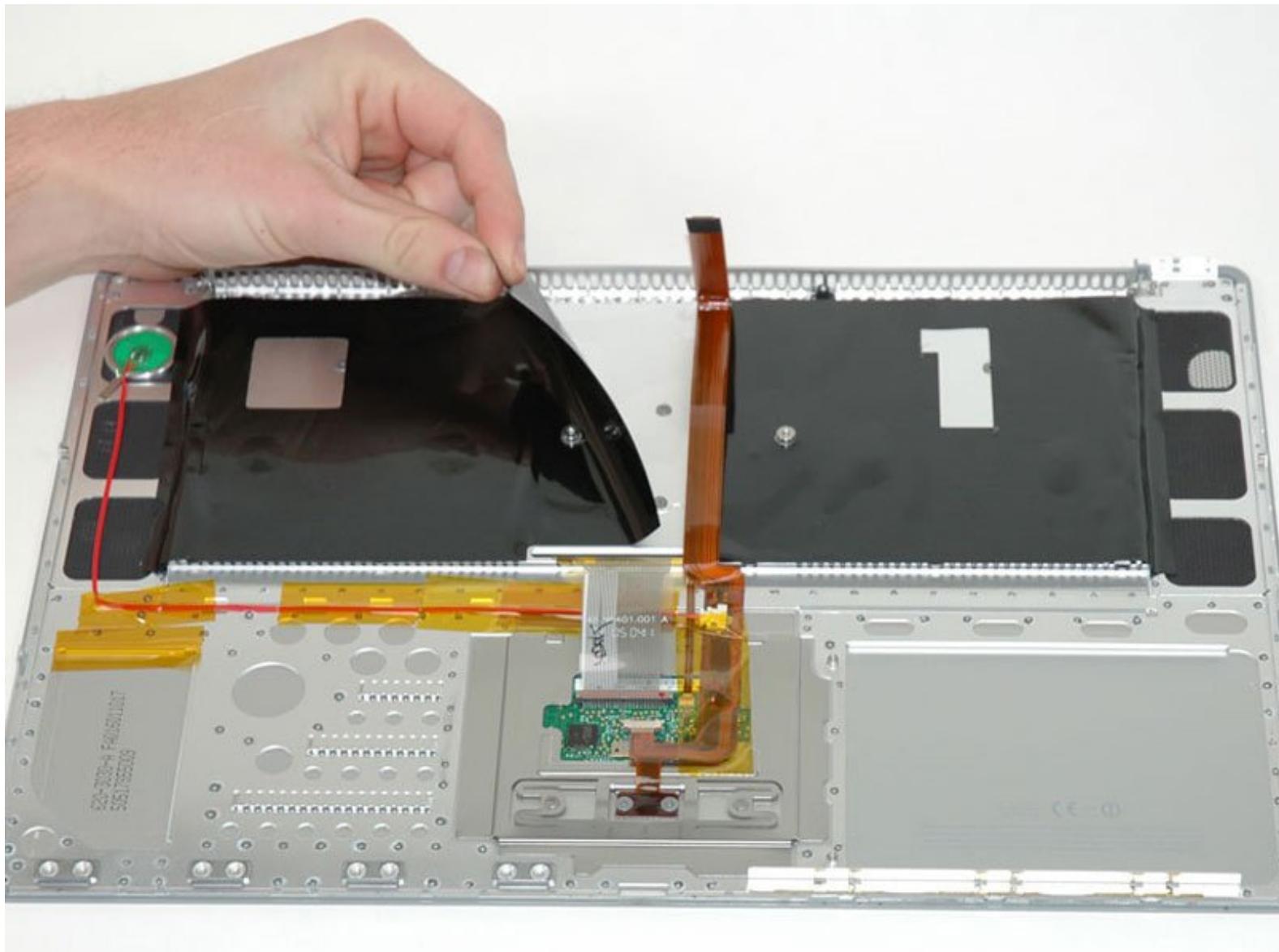




# PowerBook G4 Aluminum 15" 1.5-1.67 GHz

## Keyboard Replacement

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## INTRODUCTION

This guide shows the hidden screws you must remove when replacing the backlit keyboard.

### TOOLS:

- [Coin](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Spudger](#) (1)
- [T6 Torx Screwdriver](#) (1)

### PARTS:

- [G4 Aluminum 15" 1.5/1.67 or 17" 1.67 GHz \(LR\) Keyboard](#) (1)

## Step 1 — Battery



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

## Step 2 — Upper Case



- Remove the four Phillips screws from the memory door.
- Slide the memory door away from the memory compartment.

## Step 3



- Remove the following 8 screws:
  - Two 3 mm Phillips in the battery compartment, on either side of the battery contacts.
  - Two 12 mm Phillips on either side of the memory compartment.
  - Four 16 mm Phillips along the hinge.

## Step 4



- Rotate the computer 90 degrees clockwise, so that the power receptacle faces you.
- Remove the three 3 mm Phillips screws.

 When replacing these screws, you must place each screw in the correct order. Begin by installing the screw closest to the display hinge, and go out from there.

## Step 5



- Turn the computer 90 degrees clockwise so that the hinge faces you.
- Remove the bottom 5 mm Phillips screw on either side of the hinge (two total).

## Step 6



- Rotate the computer 90 degrees clockwise, so that the ports face you.
- Remove the three 3 mm Phillips screws.

 When replacing these screws, you must place each screw in the correct order. Begin by installing the screw closest to the display hinge, and go out from there.

## Step 7



- Turn the computer over and open the display.
- Remove the two 1.5 mm hex screws in either corner, next to the display (a T6 Torx driver will work, but repeated use will strip the screws).

## Step 8



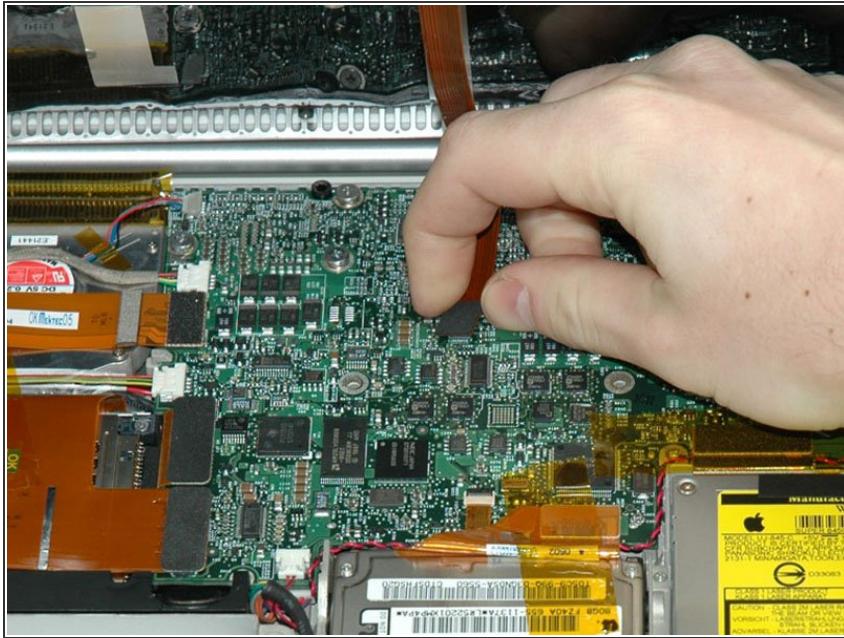
- Grasp the back corners of the upper case and pull up. Do not pull the upper case off yet; you still need to disconnect the keyboard and trackpad cable.
- Lift the back of the case up and work your fingers along the sides, freeing the case as you go. Once you have freed the sides, you may need to rock the case up and down to free the front of the upper case.

## Step 9



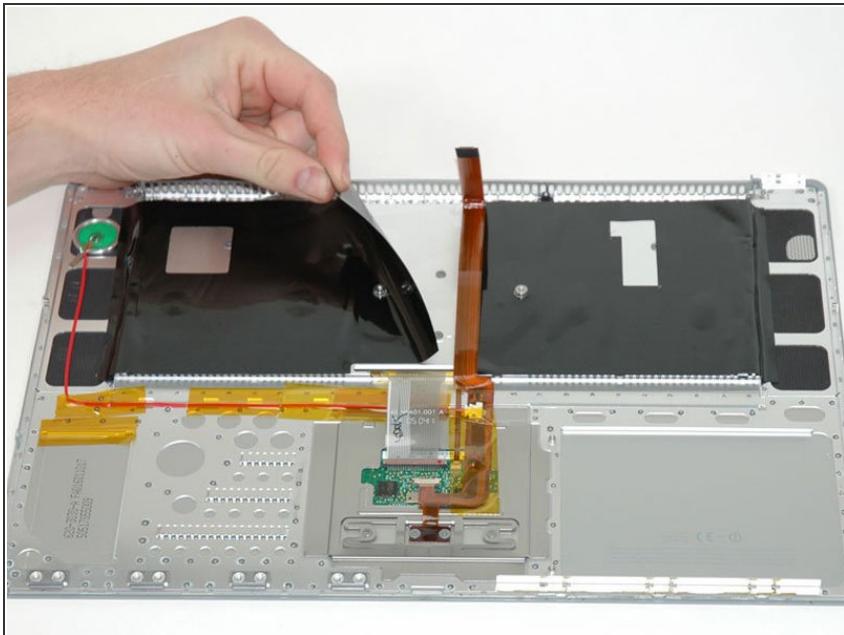
- Rotate the upper case up and toward the screen, so that the upper case rests against it.

## Step 10



- Remove the orange tape securing the trackpad ribbon to the logic board.
- Disconnect the trackpad ribbon from the logic board.
- Remove the upper case from the computer.

## Step 11 — Keyboard

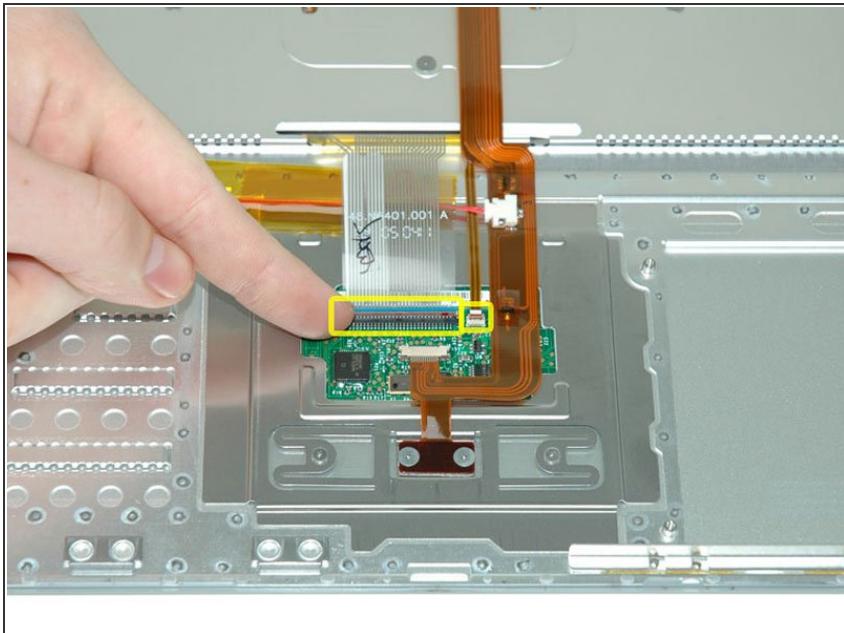


*i* On the following step, be careful with the tape on the side of the keyboard with the green power

button, as the tape may stick and tear.

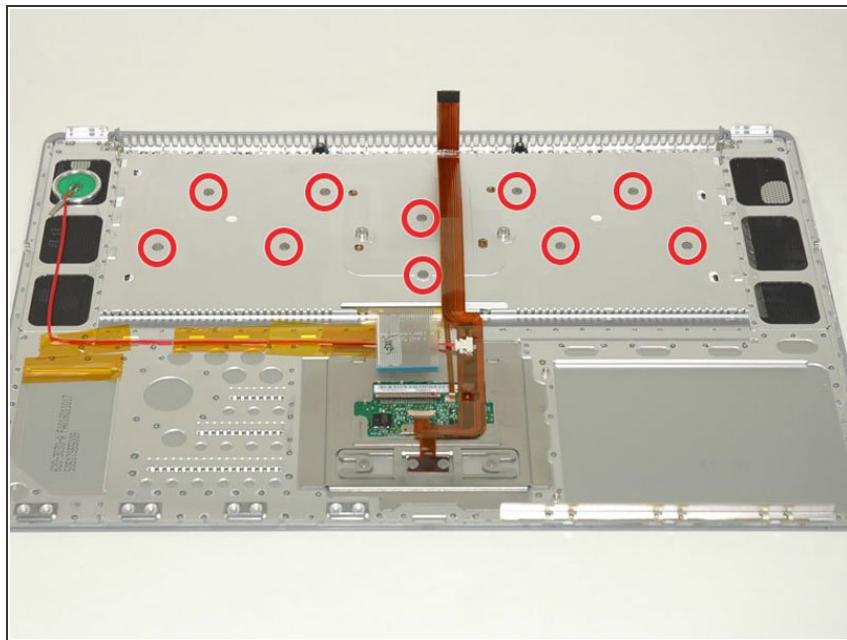
- Peel back the black plastic shielding on either side of the keyboard (there are two pieces).

## Step 12



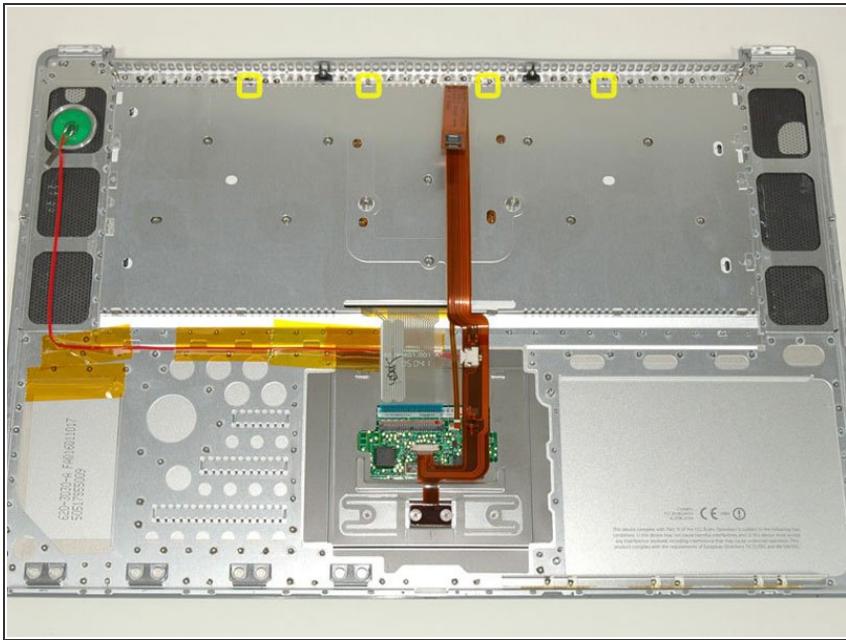
- Use your fingernail to flip up the plastic flaps locking down the keyboard and keyboard backlight ribbon cables (in the picture, both flaps are already up).
- Slide the cables from their connectors.

## Step 13



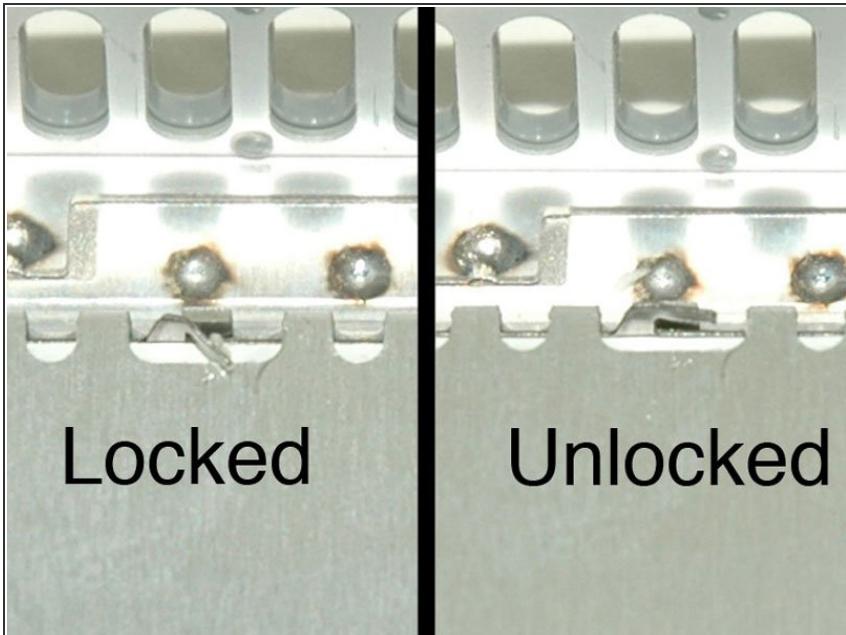
- Remove the 10 identical Phillips screws attaching the keyboard to the casing.

## Step 14



- There are four locking tabs along the back edge of the keyboard holding it in place. These tabs must be straightened before you can remove the keyboard.

## Step 15



- The first frame shows a tab in the "locked" position and the second frame shows the same tab in the "unlocked" position.
- Use needlenose pliers to bend each of the four tabs so that they are all in the "unlocked" position.

## Step 16



- Place the upper casing on edge and use a spudger to push the keyboard away from the casing, poking the spudger through the central keyboard screw hole. Grasp the keyboard as it separates from the casing.

## Step 17



- Maintaining your hold on the keyboard, lay the casing flat and gently bow the keyboard until the two tabs on either side of the keyboard come free.

## Step 18



- Slide the keyboard away from the trackpad and out of the upper case.

## Step 19



To replace the keyboard, first slide the bottom tabs in, then bow the keyboard out and slide in first the tabs on the right side of the keyboard and then the tabs on the left side.

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