



PowerBook G4 Aluminum 17" 1.67 GHz (High-Res) Keyboard Replacement

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INTRODUCTION

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



TOOLS:

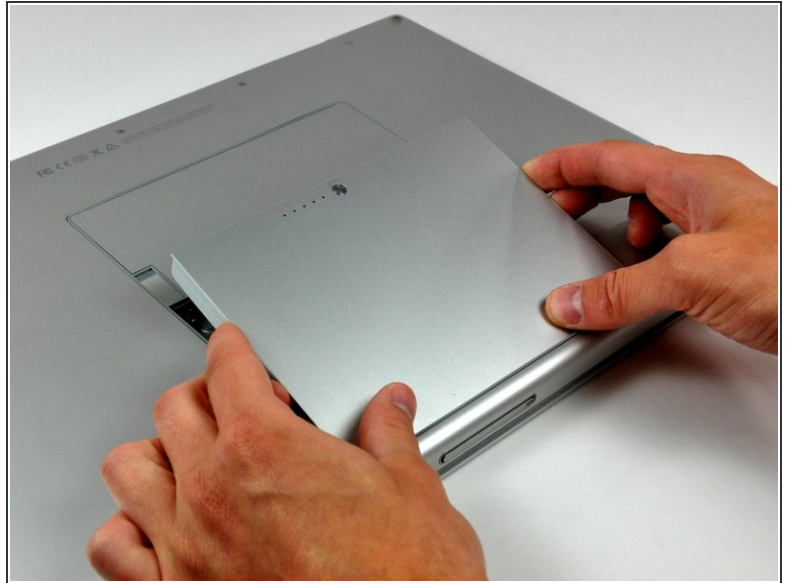
- [Phillips #00 Screwdriver](#) (1)
- [Spudger](#) (1)
- [T8 Torx Screwdriver](#) (1)



PARTS:

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

Step 1 — Battery



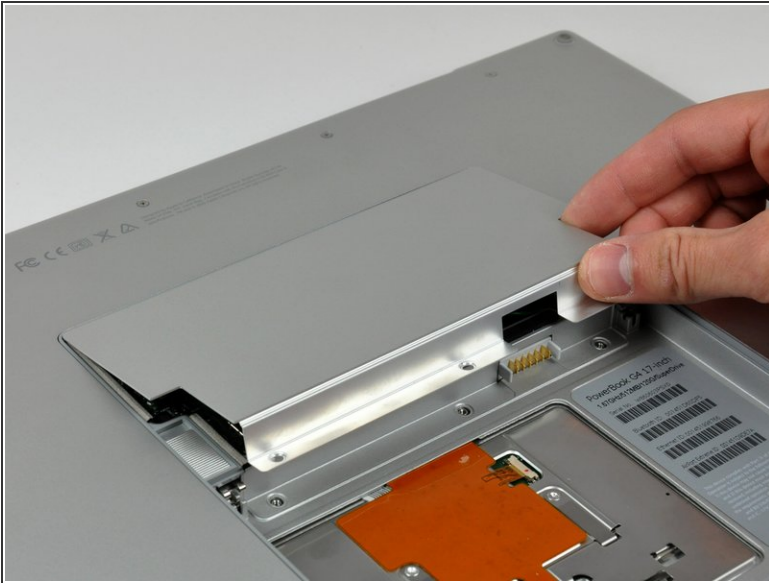
- Use your thumbs to push the two battery retaining tabs away from the battery.
- The battery should pop up enough to rotate it toward yourself and lift it out of the lower case.

Step 2 — Memory Door



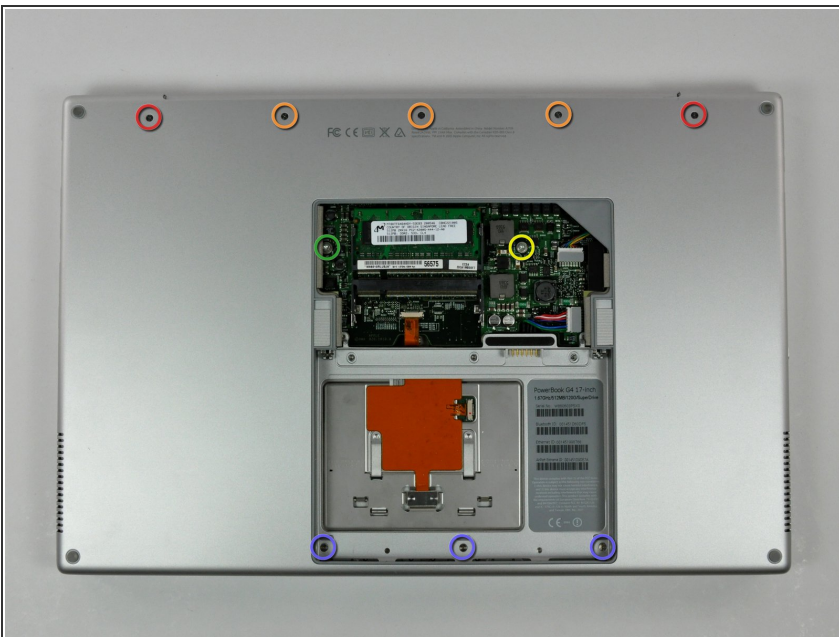
- Remove the three 2.3 mm Phillips screws securing the memory cover to the lower case.

Step 3



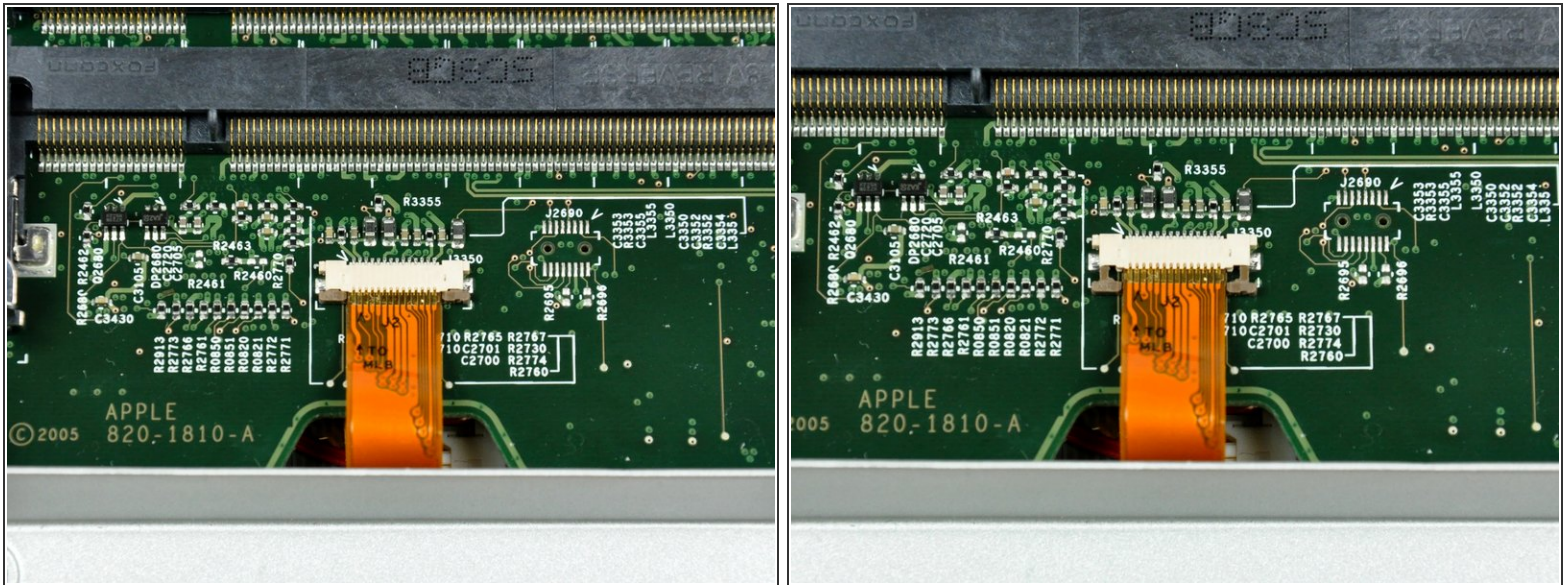
- Lift the memory cover slightly and pull it toward yourself to remove it from the lower case.


Step 4 — Upper Case



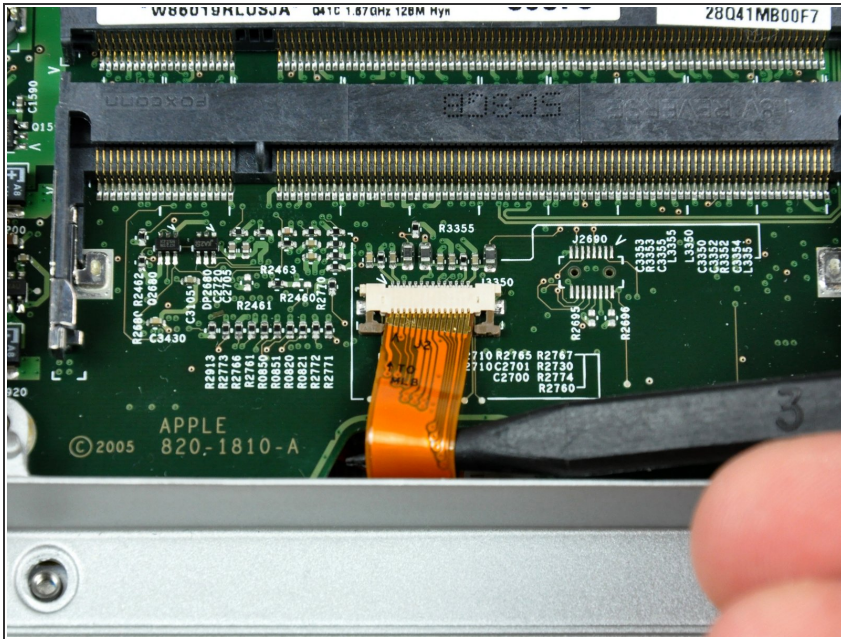
- Remove the following ten screws:
 - Two 14.7 mm shouldered Phillips.
 - Three 12.3 mm Phillips.
 - One 3.8 mm T8 Torx.
 - One 6.8 mm T8 Torx.
 - Three 1.3 mm Phillips.

Step 5



-  The ZIF cable lock will move about a millimeter away from the socket before it stops (see picture 2). **Do not** try to remove the ZIF cable lock.

Step 6



- Use the tip of a spudger to slide the trackpad ribbon cable out of its socket.

Step 7



- Remove the four 3.4 mm Phillips screws from the PC card side of the PowerBook.
- ☑ When replacing these screws, you must reinstall each screw in the correct order. Begin by installing the screw closest to the display hinge, and go out from there.

Step 8



- Remove the four 3.4 mm Phillips screws from the DVI connector side of the PowerBook.
- ★ When replacing these screws, you must reinstall each screw in the correct order. Begin by installing the screw closest to the display hinge, and go out from there.
- i During reassembly, make sure to reinstall the two screws on the right into their appropriate locations, and not the DVI port anchor holes.

Step 9



- Depress the display latch release button and open your display.

Step 10



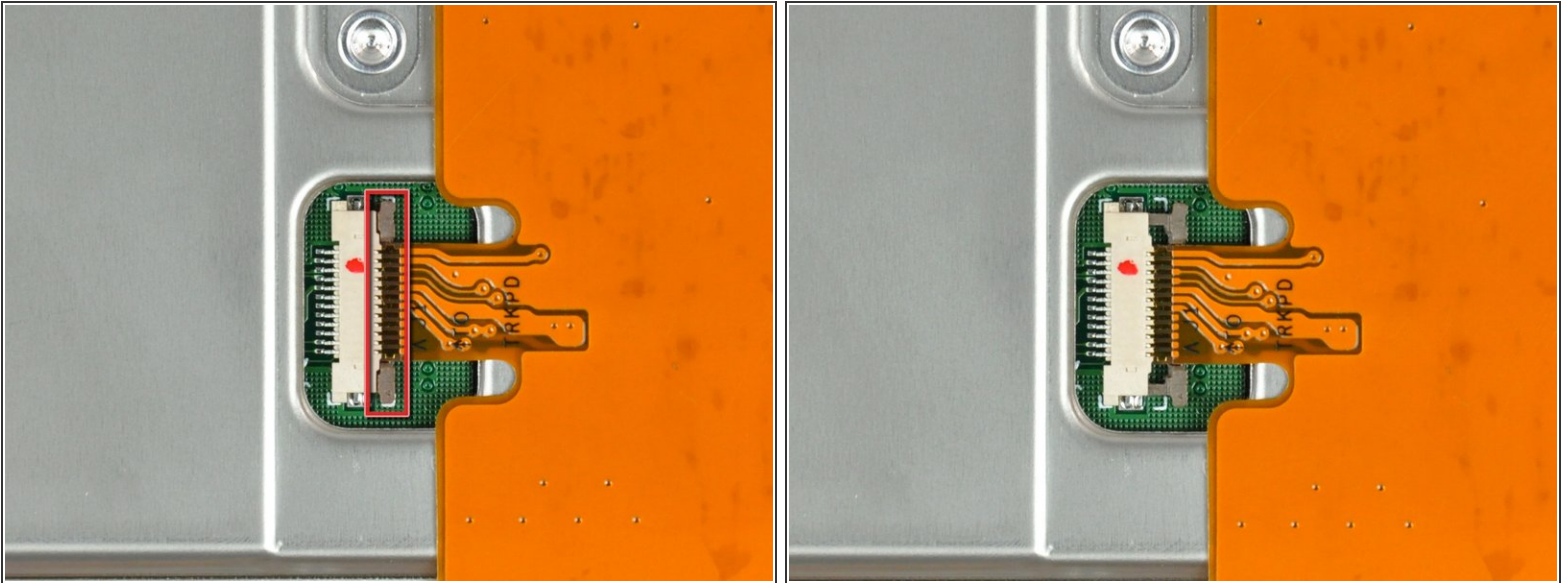
- Starting near the display, lift the upper case straight up off the lower case, minding any cables that may get caught.

Step 11 — Keyboard



- Remove the two Phillips screws securing the electronic track pad button to the lower case.

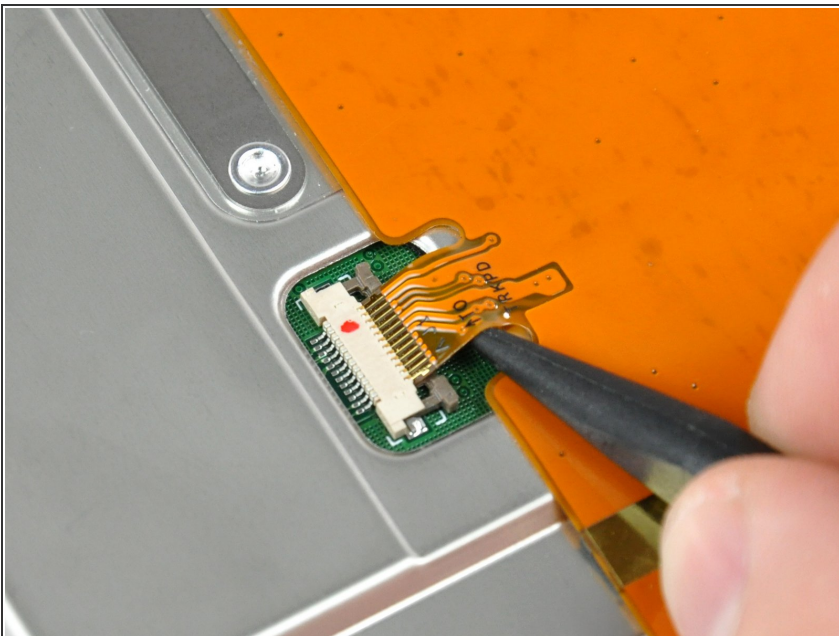
Step 12



- Use your fingernails or the tip of a spudger to separate the ZIF cable lock from its socket.

⚠ The ZIF cable lock will move about 1 mm and stop. **Do not** attempt to completely remove the ZIF cable lock.

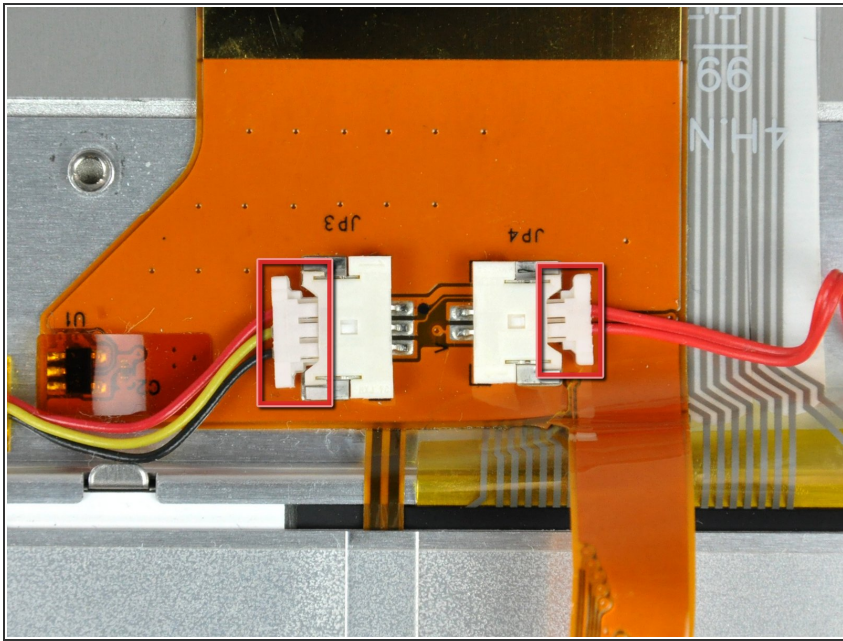
Step 13



- Use the tip of a spudger to pull the track pad ribbon cable out of its socket.

⚠ Do not lift this cable too much from either side as it is fragile and easily torn.

Step 14

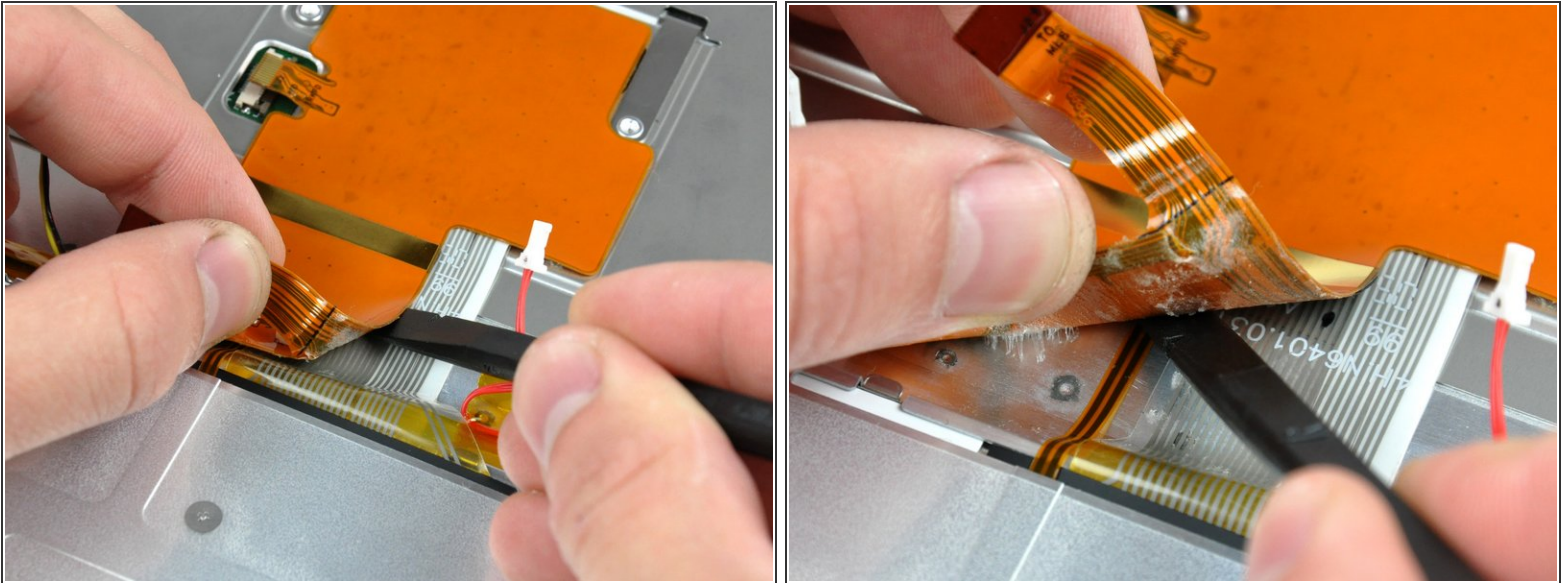


- Disconnect both of the following connectors from the logic board:
 - Sleep sensor cable.
 - Power button cable.

⚠ Be sure to pull only parallel to the face of the logic board, as pulling up on the socket will break it off the logic board.

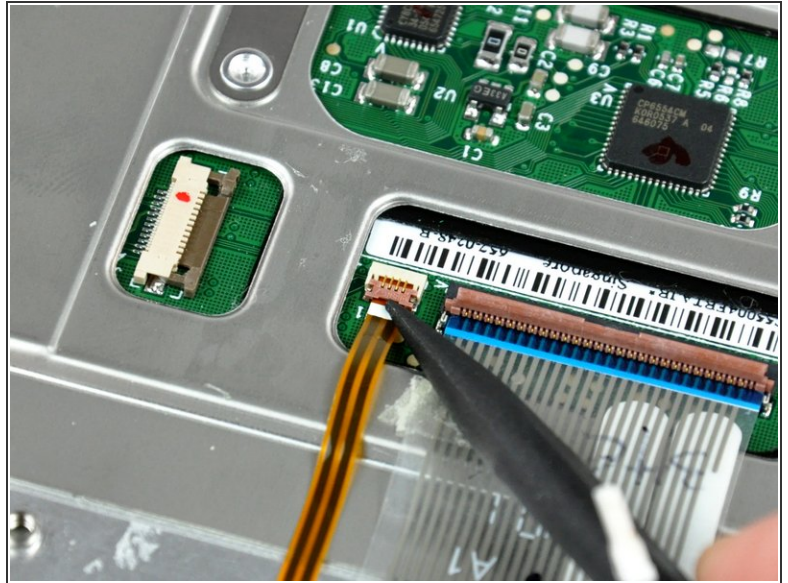
ⓘ When pulling these connectors away from their sockets, it is helpful to use your fingernails to pull on the ears at each side of the connector.

Step 15



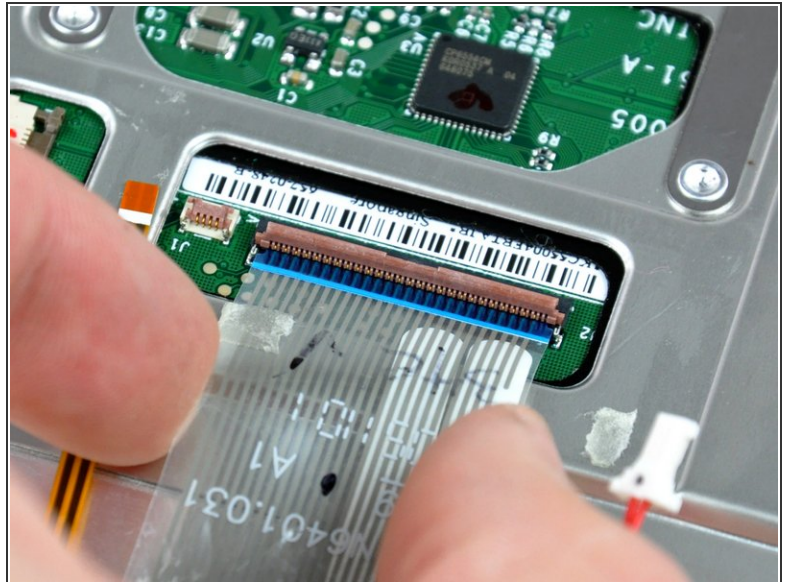
- Starting near the keyboard, use the flat end of a spudger to help separate the adhesive as you peel back the track pad ribbon cable.
- ⚠ Be very careful as you are peeling the ribbon cable back because it is very fragile and easily torn.
- ⚠ Also be sure to not pull on the keyboard and backlight ribbon cables underneath the track pad ribbon cable, as they are also very fragile.

Step 16



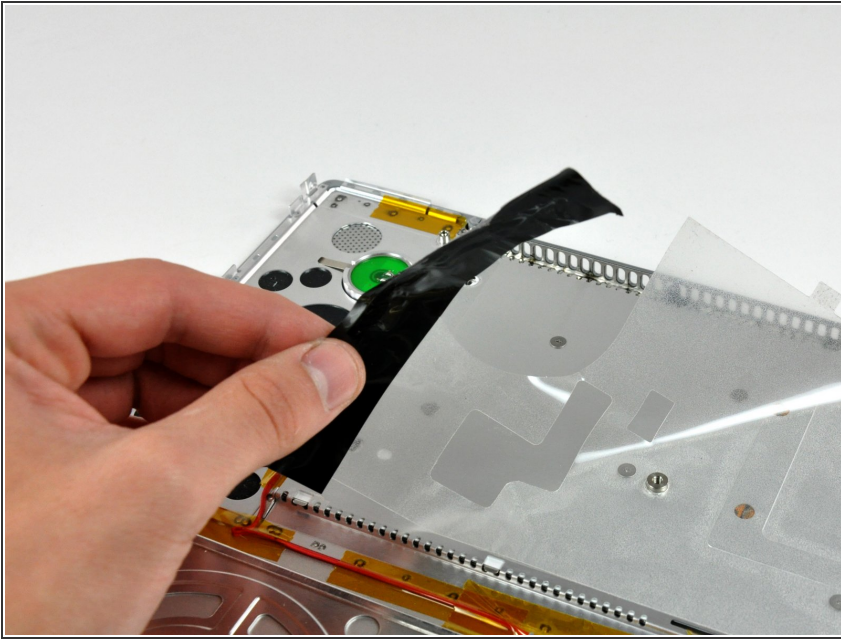
- Use the tip of a spudger to pry up the ribbon cable retaining flaps on both the keyboard and backlight ribbon cable sockets.

Step 17



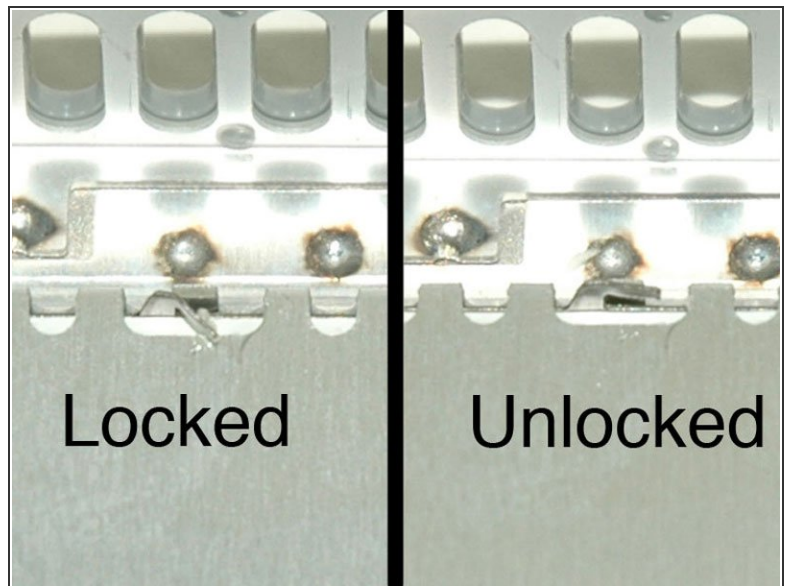
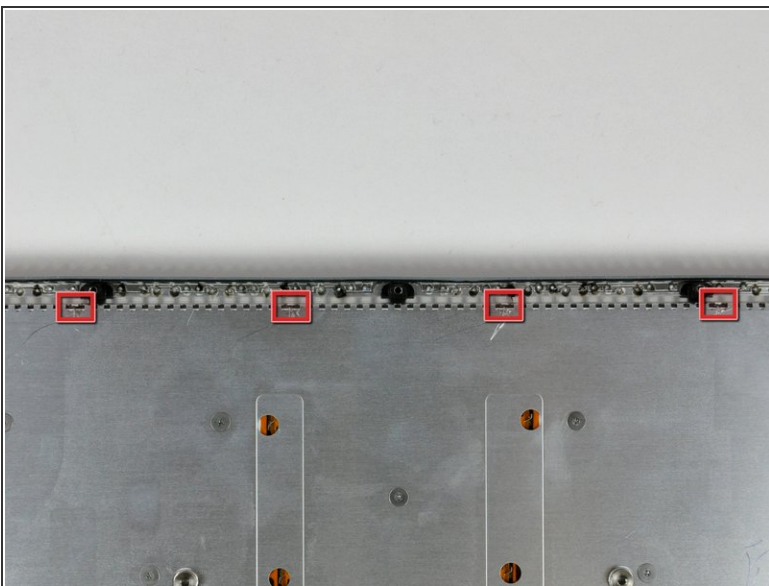
- Pull both the keyboard and backlight ribbon cables out of their sockets.

Step 18



- Remove the large protective sticker from the underside of the keyboard enclosure on the lower case.

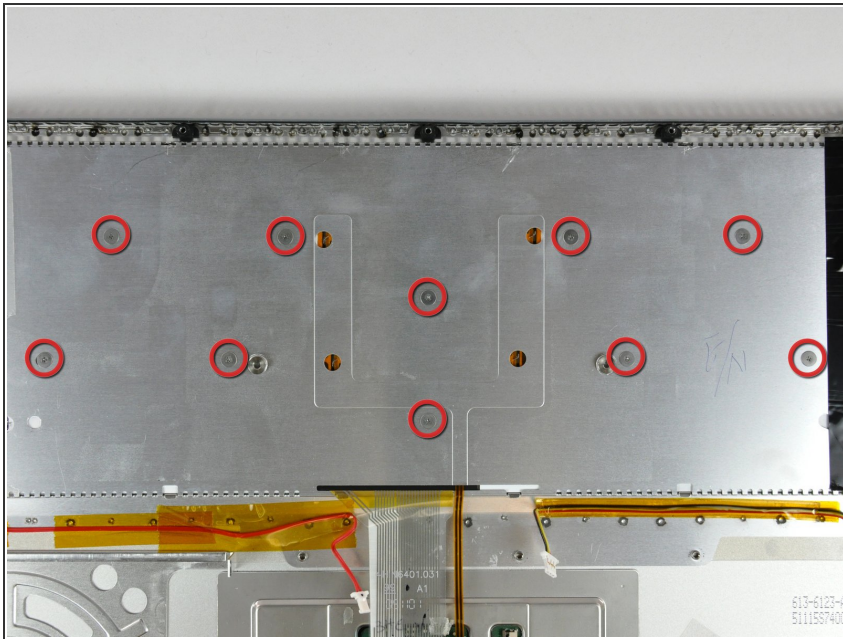
Step 19



- Use the tip of a spudger to bend each of the four keyboard lock tabs away from the underside of the keyboard enclosure on the lower case.

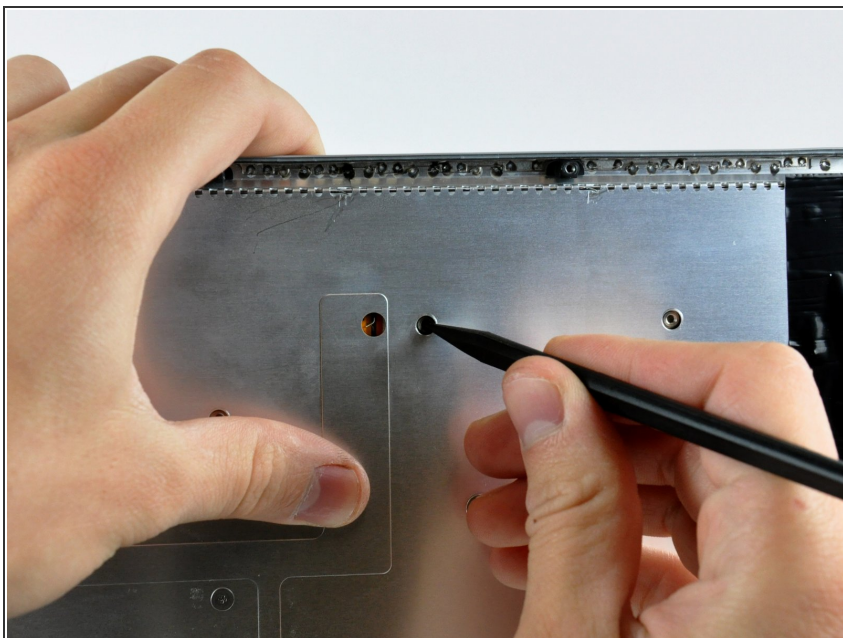
i Included is a picture of how the tabs should look when they are unlocked.

Step 20



- Remove the ten short Phillips screws securing the keyboard to the lower case.

Step 21



- Use the tip of a spudger to push a screw lug near the center of the keyboard, separating it from the lower case.

Step 22



- Bow the keyboard out slightly to release the two tabs near the upper corner on each side of the keyboard.
- Rotate the keyboard toward yourself and lift it out of the upper case.
- ☑ When reinstalling your keyboard, make sure to feed both the keyboard and backlight ribbon cables through the slot near the lower edge of the keyboard enclosure on the lower case (shown in red).

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