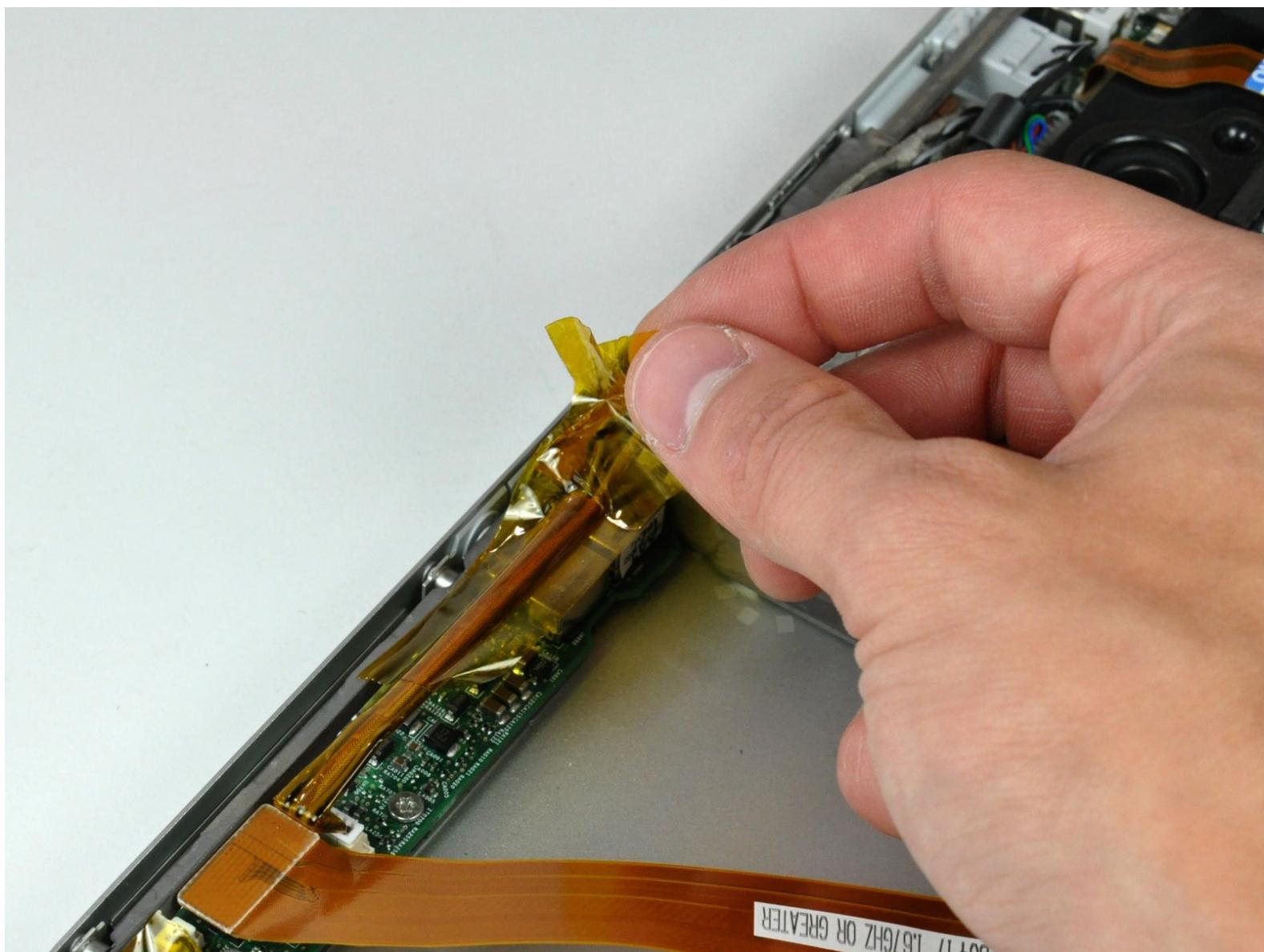




# PowerBook G4 Aluminum 17" 1.67 GHz (High-Res) Sound Card Replacement

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## INTRODUCTION

Replace your sound card to regain audio functionality.

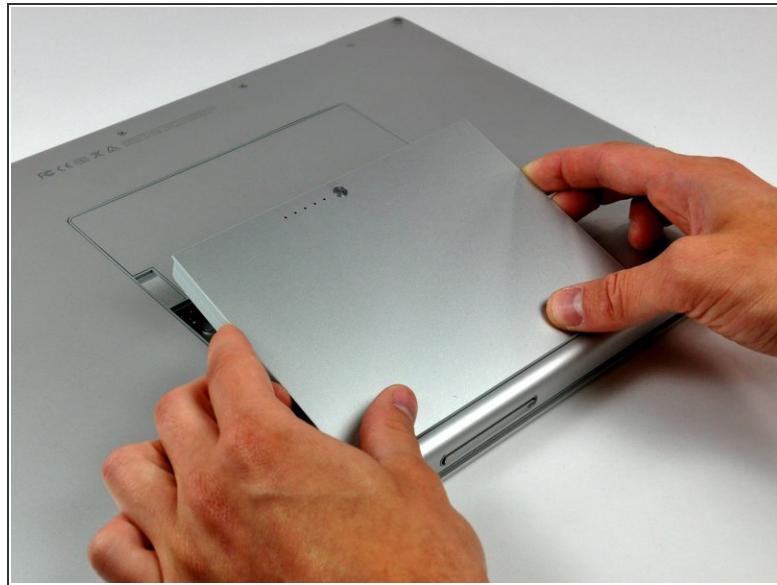
### TOOLS:

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

### PARTS:

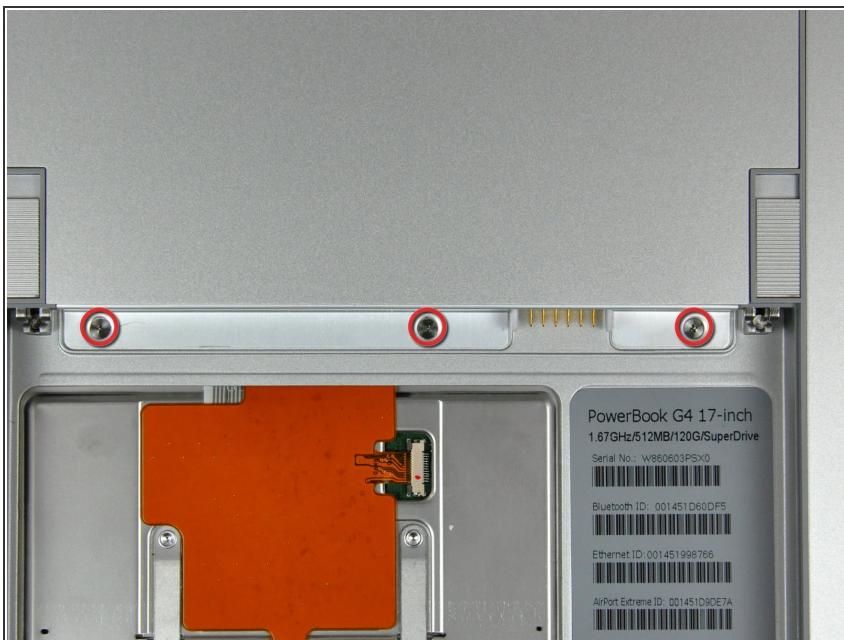
- [G4 Aluminum 17" 1.67 GHz \(HR\) Sound Card](#) (1)
- [G4 Aluminum 17" 1.67 GHz \(HR\) Sound Cable](#) (1)

## Step 1 — Battery



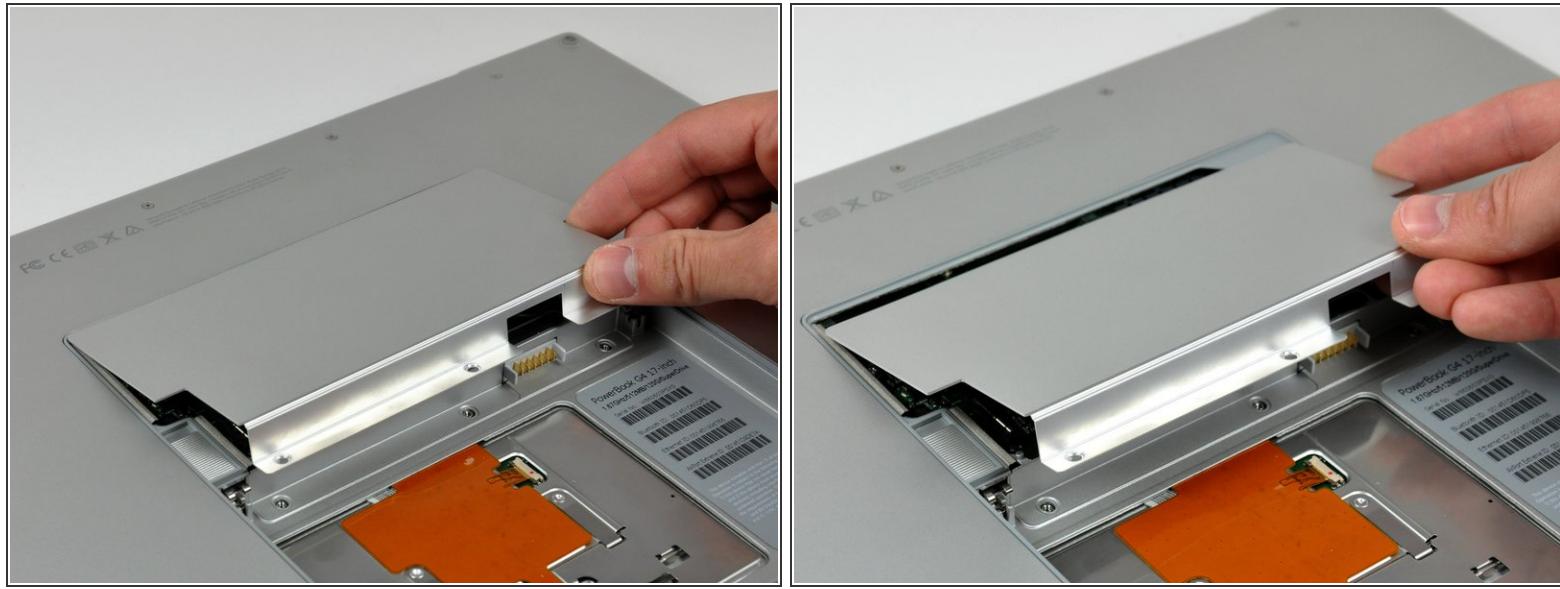
- Use your thumbs to push the two battery retaining tabs away from the battery.
- The battery should pop up enough to rotate it toward yourself and lift it out of the lower case.

## Step 2 — Memory Door



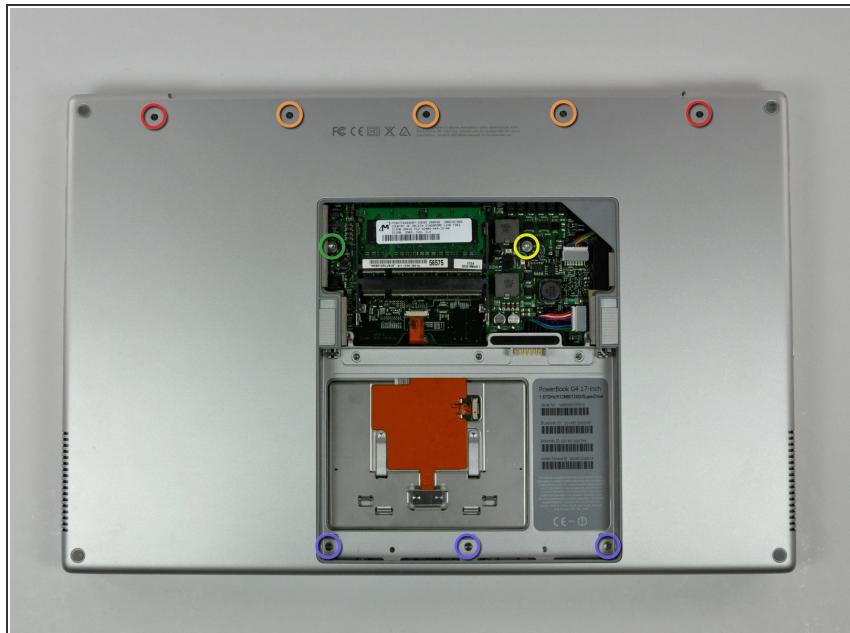
- Remove the three 2.3 mm Phillips screws securing the memory cover to the lower case.

## Step 3



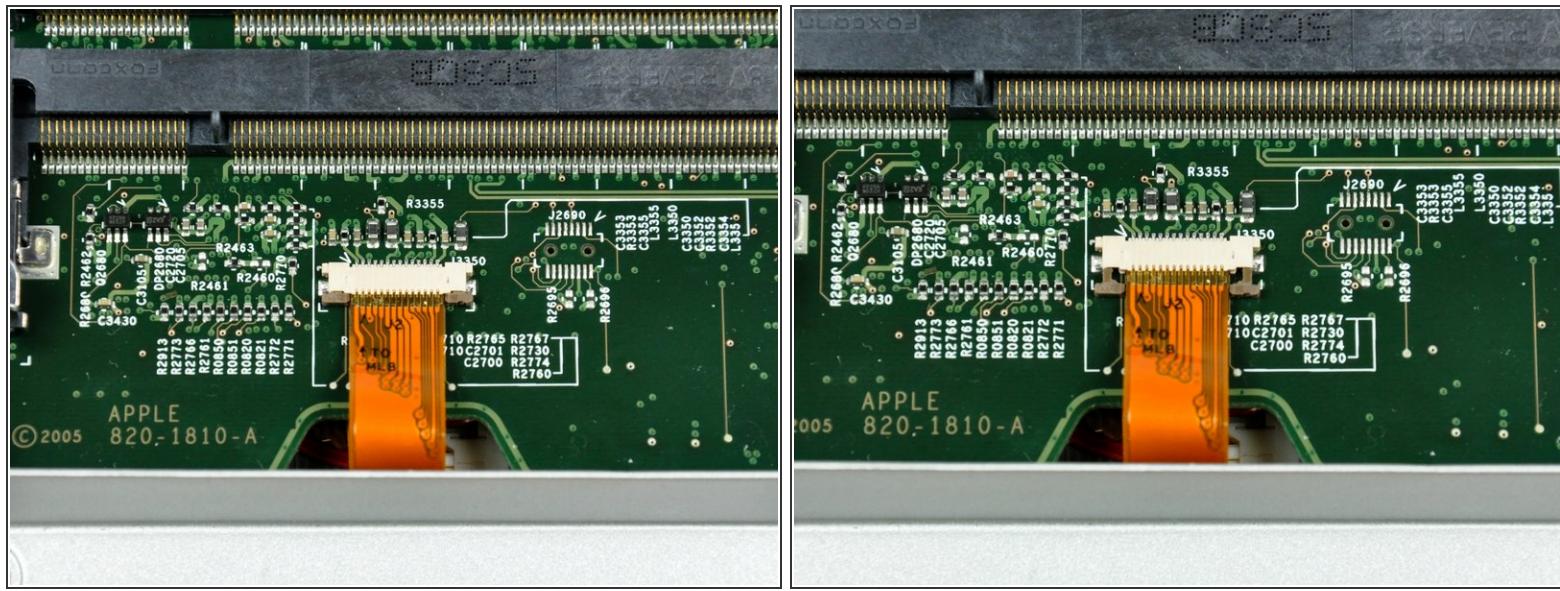
- Lift the memory cover slightly and pull it toward yourself to remove it from the lower case.

## 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.

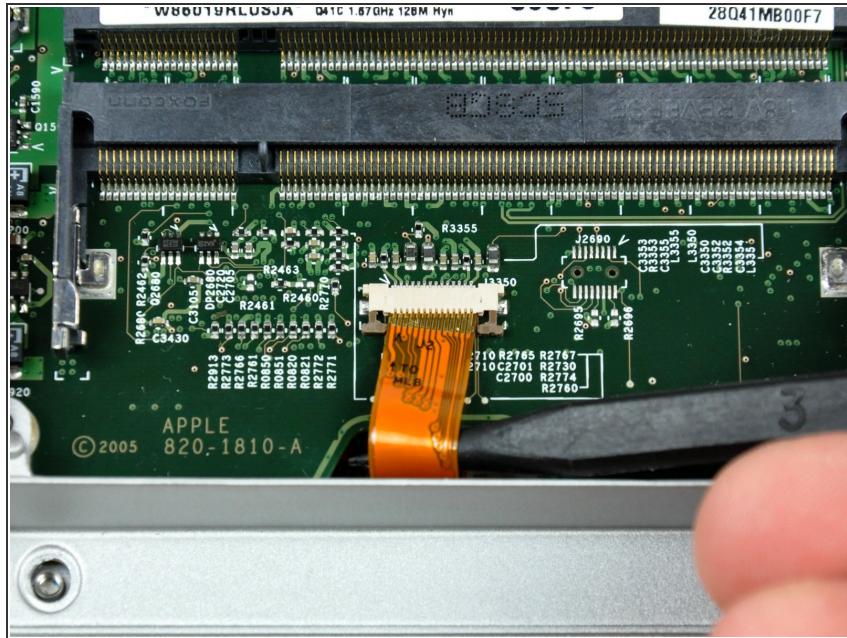
## Step 5



- ⓘ The ZIF cable is located underneath the bottom RAM slot. If your PowerBook has both RAM slots occupied, make sure to [remove](#) the RAM chip.
- Use your fingernails to separate the ZIF cable lock away from its socket. (Move the two brown bits down 1mm)

**⚠** 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



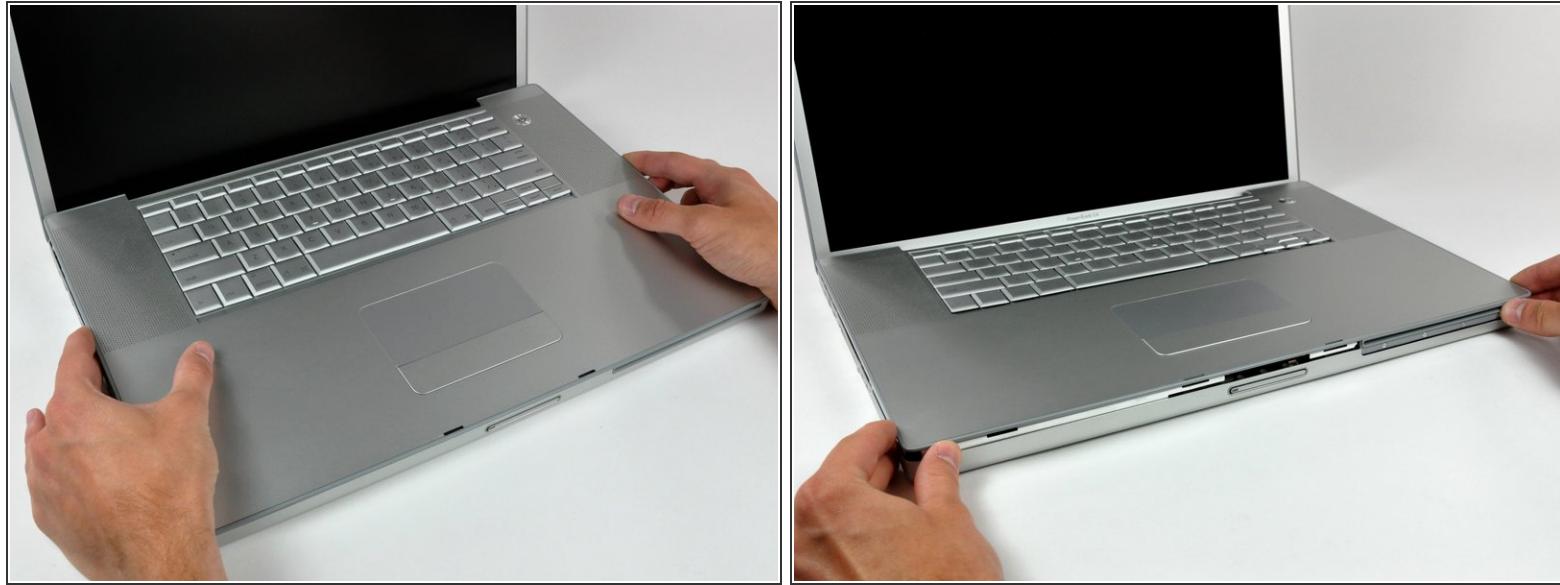
- Remove the four 3.4 mm Phillips screws from the DVI connector side of the PowerBook.
- ➡ When replacing these screws, you must reinstall each screw in the correct order. Begin by installing the screw closest to the display hinge, and go out from there.
- ⓘ During reassembly, make sure to reinstall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

## Step 9



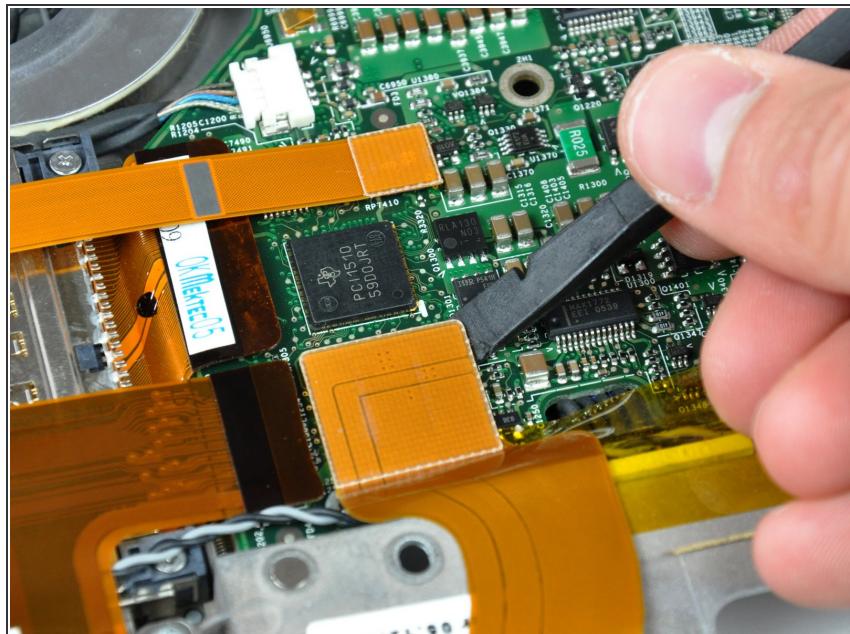
- Depress the display latch release button and open your display.

## Step 10



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

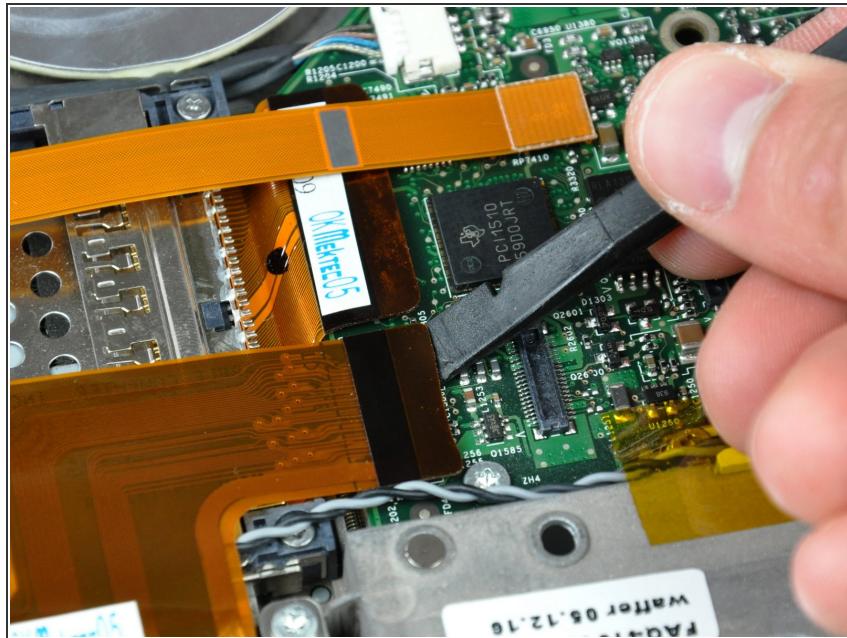
## Step 11 — Hard Drive



- Use the flat end of a spudger to pry the sound card ribbon cable connector up off the logic board.
- Move the sound card ribbon cable away from the face of the hard drive.

**i** It is not necessary to disconnect the sound card ribbon cable from the sound card.

## Step 12



- Use the flat end of a spudger to pry the hard drive ribbon cable connector up off the logic board.

## Step 13



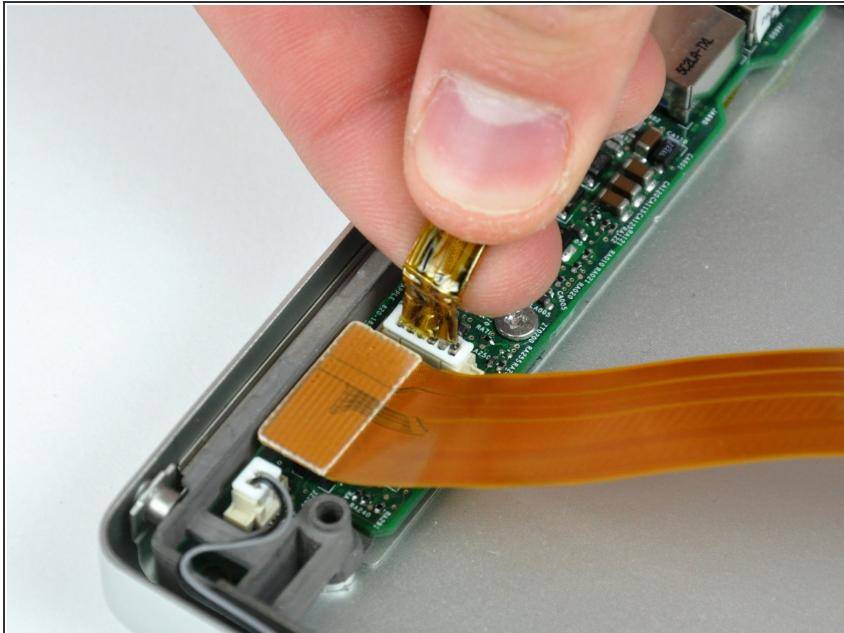
- Remove the following four screws:
  - Three 11.1 mm T8 Torx.
  - One 3.9 mm T8 Torx.
- Lift the hard drive out of the lower case.

## Step 14 — Sound Card



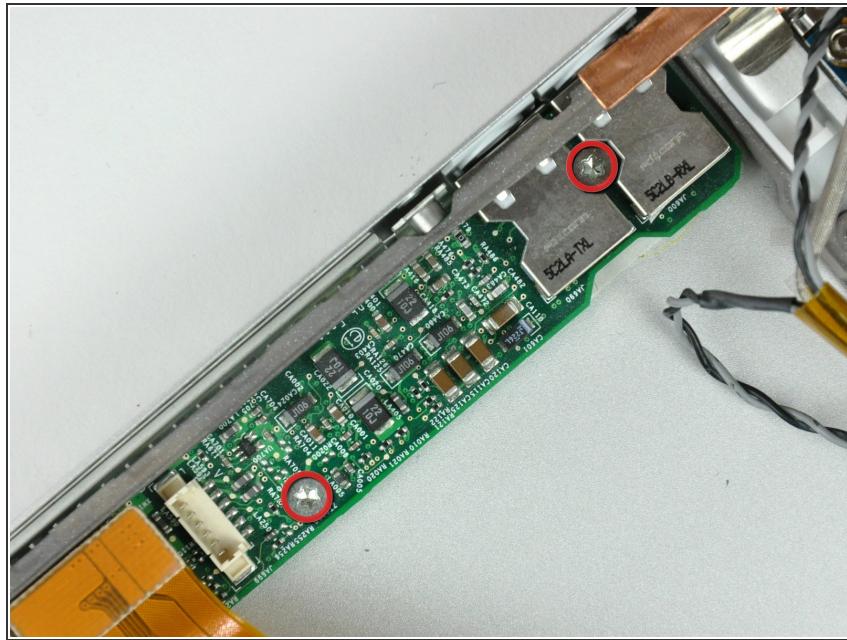
- If necessary, remove the strip of tape covering the speaker cable.

## Step 15



- Pull the speaker cable connector straight up to disconnect it from the sound card.

## Step 16



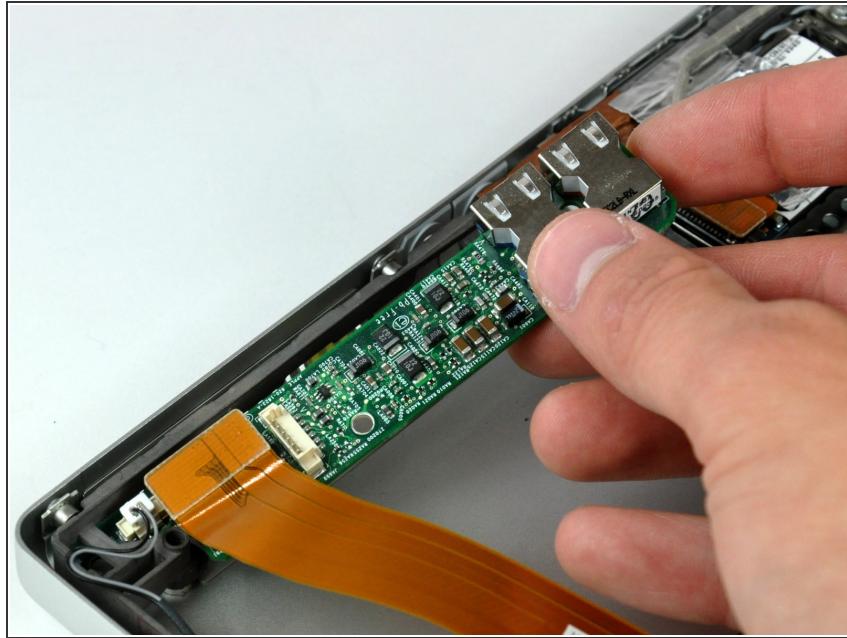
- Remove the two T8 Torx screws securing the sound card to the lower case.

## Step 17



- Use the flat end of a spudger to pry the USB sockets away from the left edge of the lower case.

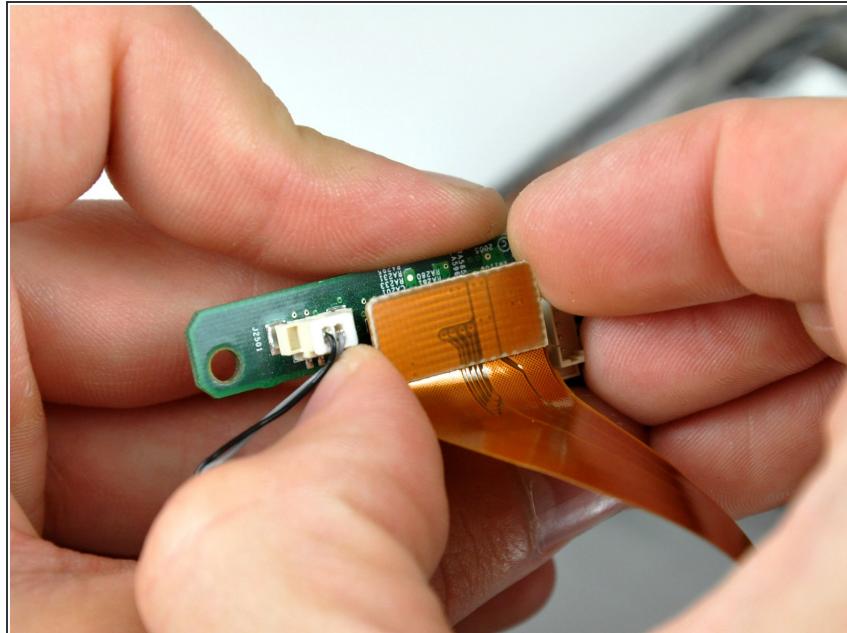
## Step 18



- Lift the sound card slightly out of the lower case, minding the fragile lower portion holding the microphone connector.

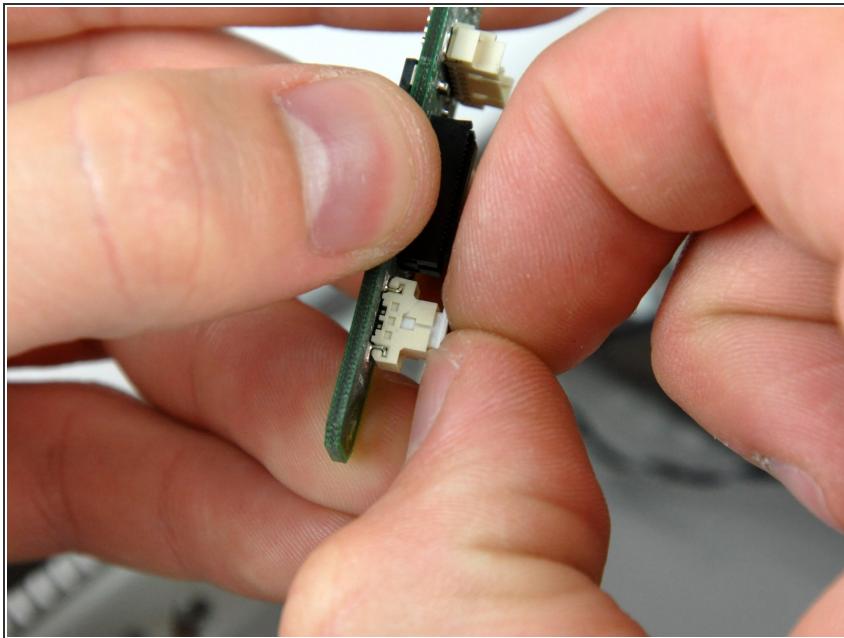
 The sound card is still attached to the PowerBook by the microphone cable.

## Step 19



- Pull the sound card ribbon cable straight away from its socket on the sound card.

## Step 20



- Use your fingernails to pull the microphone connector straight away from its socket on the sound card.

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