



# Macintosh PowerBook 165c Keyboard Replacement

This guide will demonstrate how to replace the Macintosh PowerBook 165c Keyboard.

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## INTRODUCTION

Use guide to replace a worn or broken keyboard.

### TOOLS:

- [T10 Torx Screwdriver \(1\)](#)
- [T8 Torx Screwdriver \(1\)](#)

## Step 1 — Battery



- Orient the computer so the battery is facing you.
- Slide the gray plastic battery cover to the right.

## Step 2



- Pull the battery toward yourself until it is fully detached.

## Step 3 — Input/Output Door



- Orient the computer right side up with the rear facing you.
- Open the Input/Output (I/O) door.

## Step 4



- Carefully bend the door into an arch until one of the pins releases from its slot.
- Once one of the pins is free, remove the I/O door from the computer.

## Step 5 — Lower Case



- Orient the computer with the bottom facing up and rear facing you. You should be able to read the Macintosh label in this position.

## Step 6



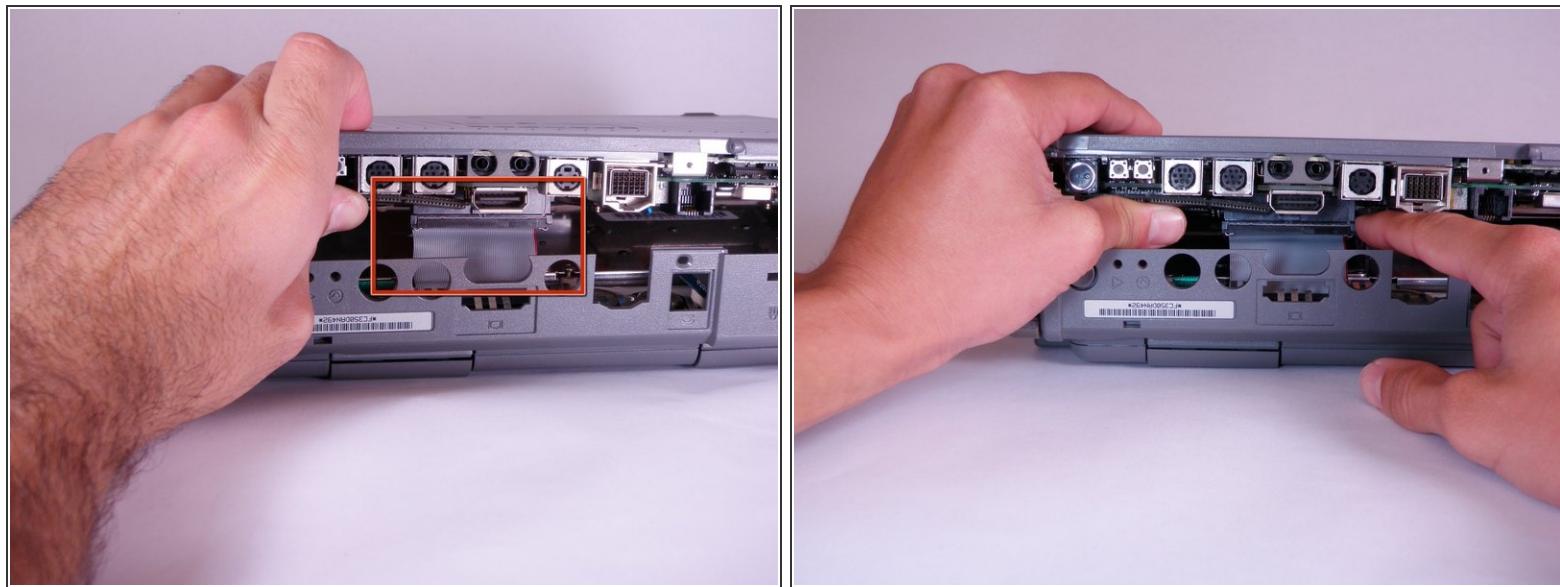
- Use a T8 torx screwdriver to remove the 6.8mm long screw above and to the right of the modem jack.
- Twist counter clockwise to remove the screw.

## Step 7



- Use a T10 torx screwdriver to remove the four, 18mm long screws from the lower case.

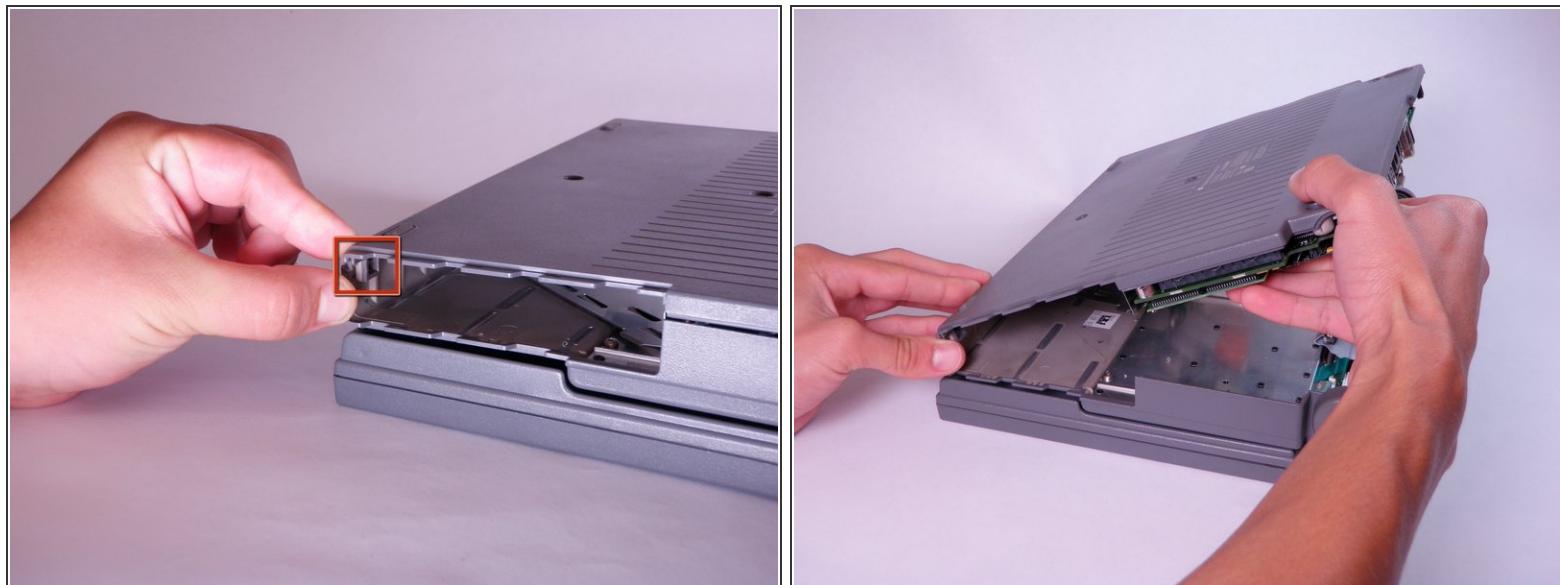
## Step 8



- Place your hands on the lower case, just above the I/O panel, and slowly lift the lower case a few inches above the main body of the computer.
- Release the large, gray interconnect ribbon cable just behind the I/O panel.

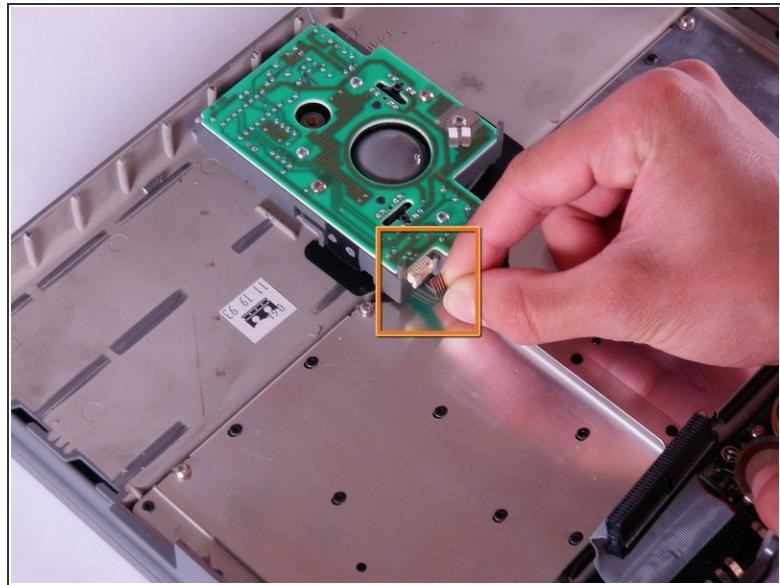
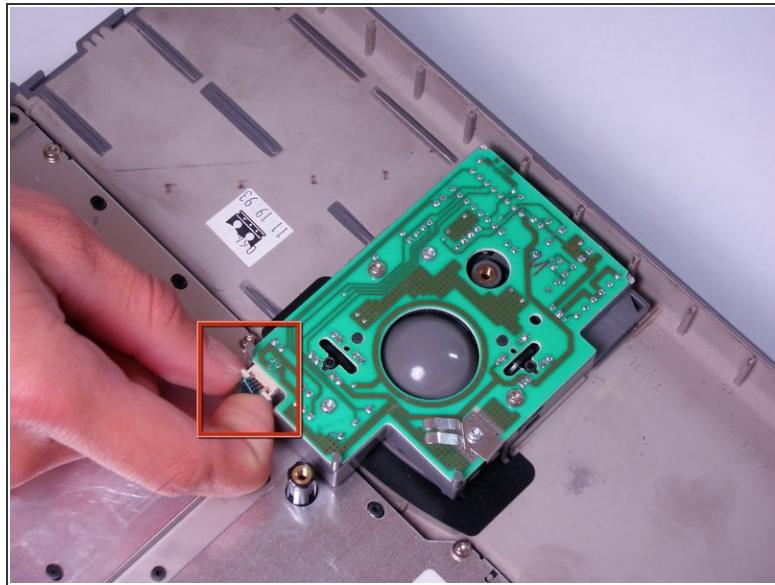
**⚠ Caution:** Lower case cannot be fully removed until two plastic clips in the front corners are released. See the following step for details.

## Step 9



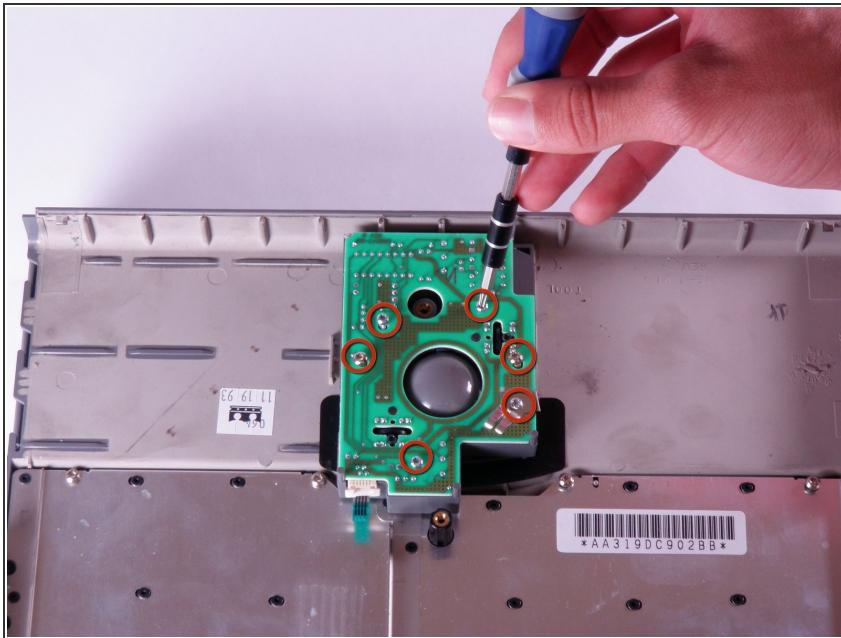
- Place your thumb on the upper case, inside the empty battery slot, and your index finger near your thumb on the left side of the lower case.
- Pinch your thumb and index finger towards each other to release the clip. Without releasing pressure on the pinch grip, use your index finger to push the lower case upwards.
- Lift the lower case to remove it.

## Step 10 — Trackball



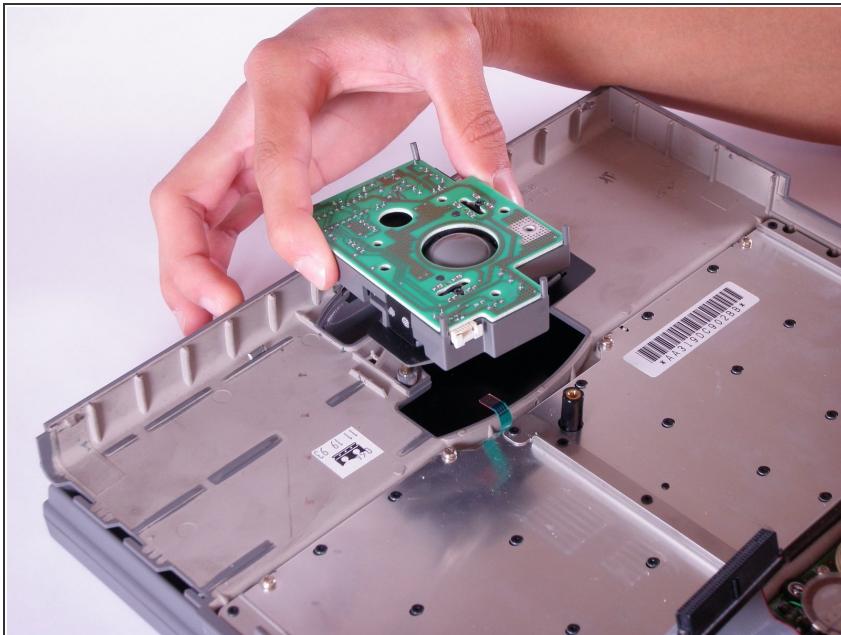
- Locate the trackball assembly. It is in the upper case and can be identified by a green circuit board.
- Open the white tab fastener by pulling out on each side. and remove the green and silver ribbon cable.
- Remove the green and silver ribbon cable by gently pulling it away from the opened tab fastener.

## Step 11



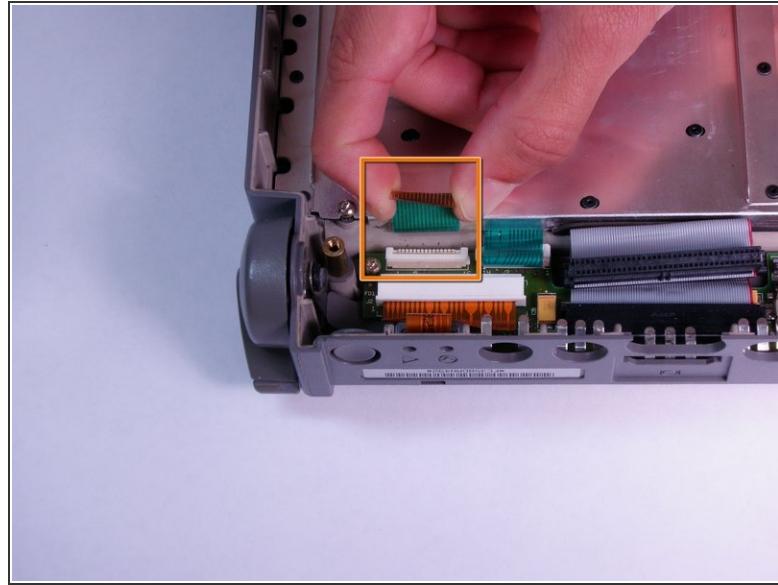
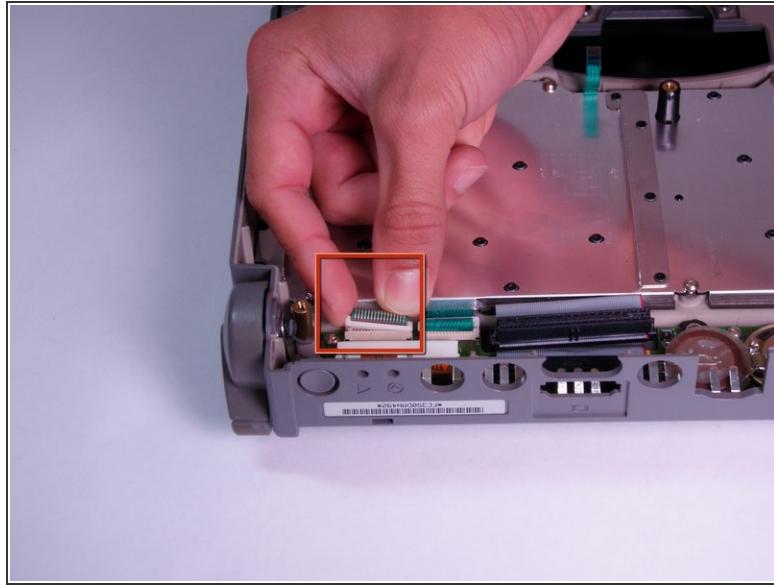
- Use a T8 torx screwdriver to remove the six, 6.8mm long screws from the top of the green circuit board.

## Step 12



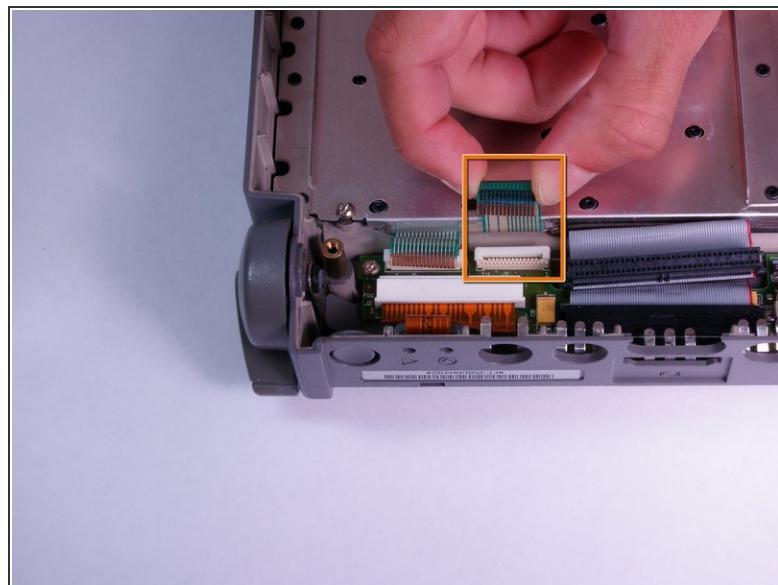
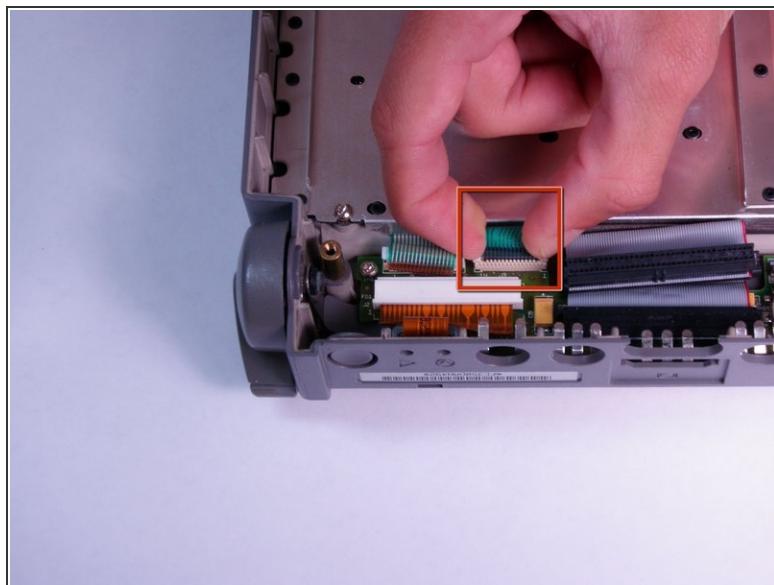
- Remove all four components of the trackball assembly by lifting upward.
- The four components of the trackball assembly should include: the green circuit board, a metal support, the track ball, and the casing.

## Step 13 — Keyboard



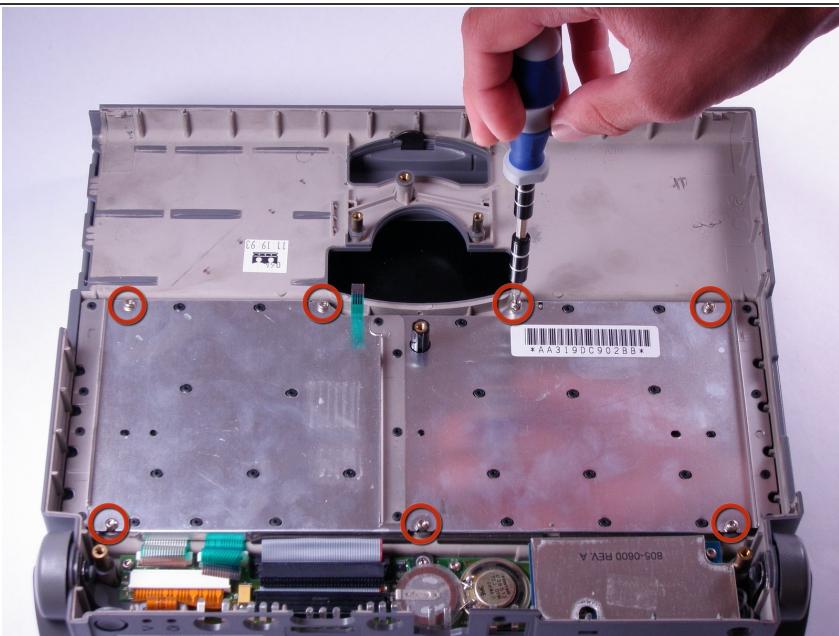
- Open the left most white tab fastener in the lower left corner by pulling up on each side.
- Remove the ribbon cable by gently pulling it away from the opened tab fastener.

## Step 14



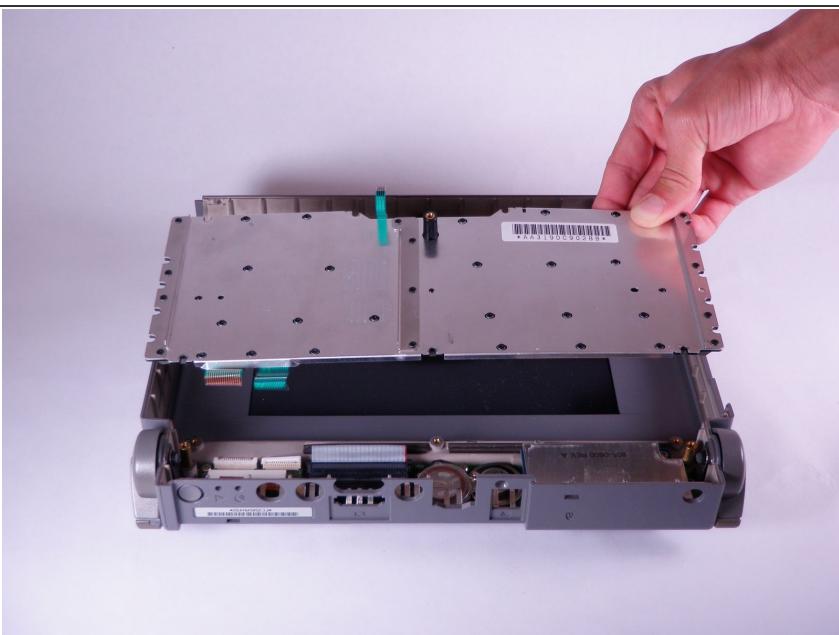
- Open the right of the two small, white tab fasteners by pulling up on both sides.
- Remove the green and silver ribbon cable from the tab fastener.

## Step 15



- Use a T8 torx screwdriver to remove the seven, 6.8mm long screws from the metallic panel.

## Step 16



- Remove the keyboard by lifting it vertically away from the main body of the computer.

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