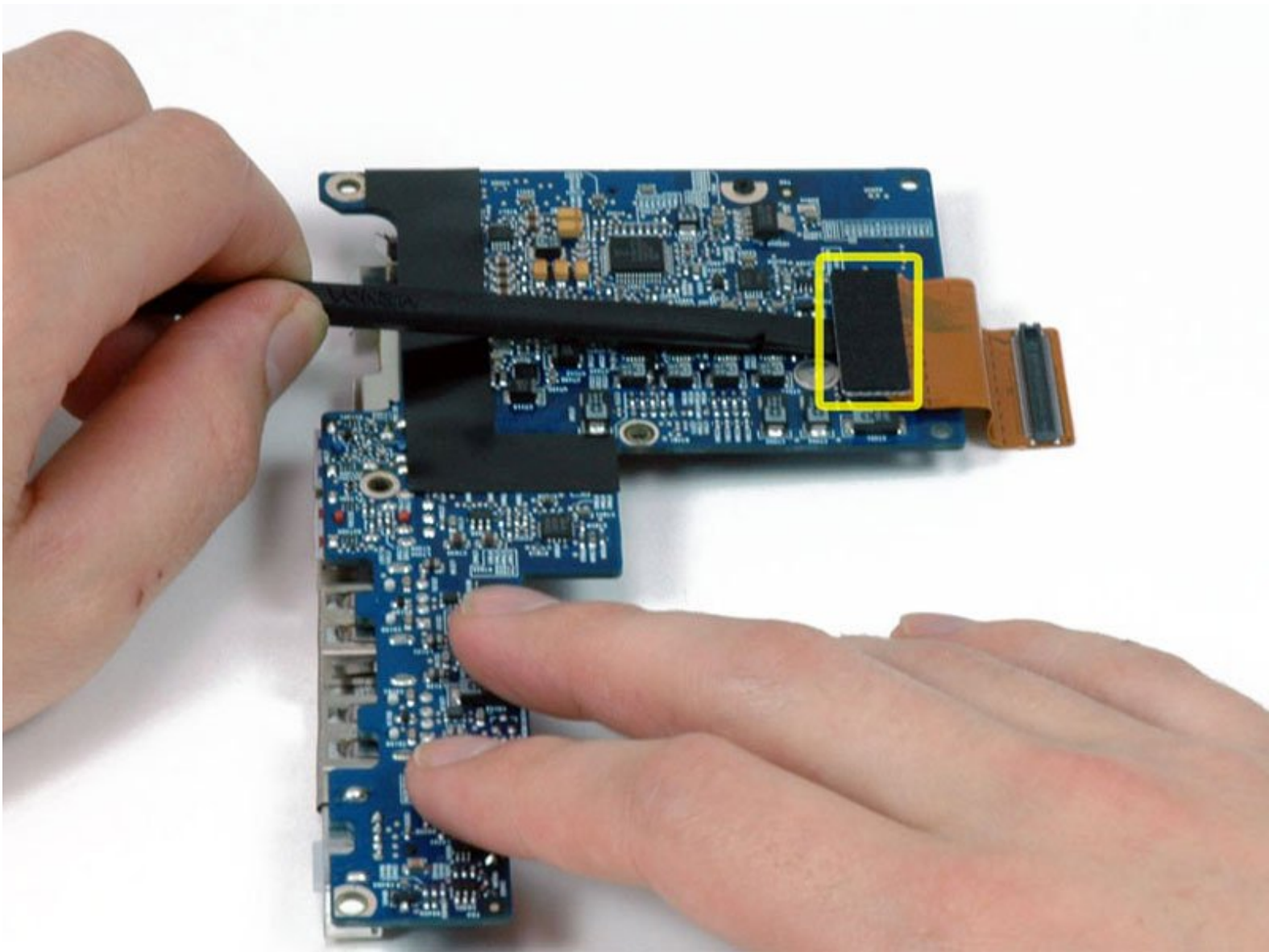




MacBook Pro 17" Models A1151 A1212 A1229 and A1261 Left I/O Board Cable Replacement

Written By: iRobot



INTRODUCTION

This connects the left I/O board to the logic board.



TOOLS:

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



PARTS:

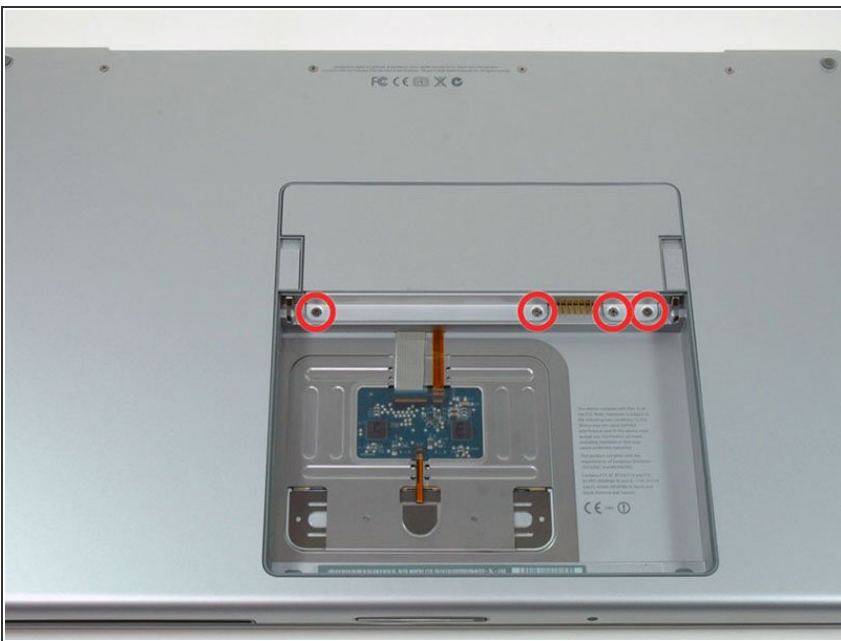
- [MacBook Pro 17" \(Model A1151\) Left I/O Board Cable](#) (1)
- [MacBook Pro 17" \(Model A1212\) Left I/O Board Cable](#) (1)
- [MacBook Pro 17" \(Model A1229\) Left I/O Board Cable](#) (1)
- [MacBook Pro 17" \(Model A1261\) Left I/O Board Cable](#) (1)

Step 1 — Battery



- Use your fingers to push both battery release tabs away from the battery and lift the battery out of the computer.

Step 2 — RAM Shield



- Remove the four identical Phillips 3.4 mm screws from the memory door. These screws have 4 mm

diameter heads rather than the 3 mm heads on the body screws.

Step 3



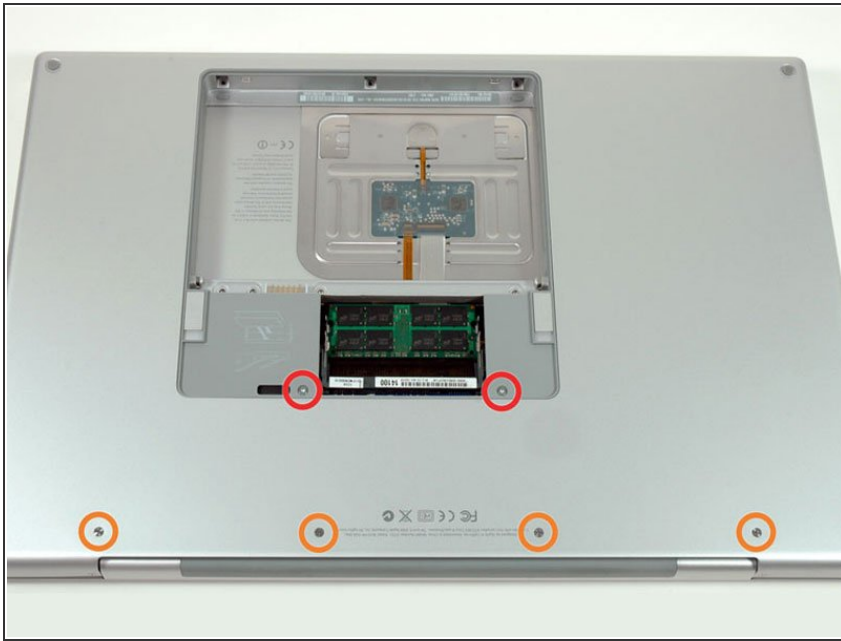
- Lift the memory door up enough to get a grip on it, and slide it toward you, pulling it away from the casing.

Step 4 — Upper Case



- Remove the three Phillips screws in the battery compartment near the latch. Apple was nice enough to tilt these screws at a slight angle to make them easier to remove. On the A1261 these screws have 4 mm diameter heads rather than the 3 mm heads on the body screws.

Step 5



- Remove the following six screws:
 - Two 14.5 mm T6 Torx screws on either side of the RAM slot.
 - Four 3.4 mm Phillips screws along the hinge.

Step 6



- Remove the four 3.4 mm Phillips screws on the port side of the computer.

Step 7



- Rotate the computer 90 degrees and remove the two Phillips screws from the rear of the computer.

Step 8



- Rotate the computer 90 degrees again and remove the four Phillips screws from the side of the computer.

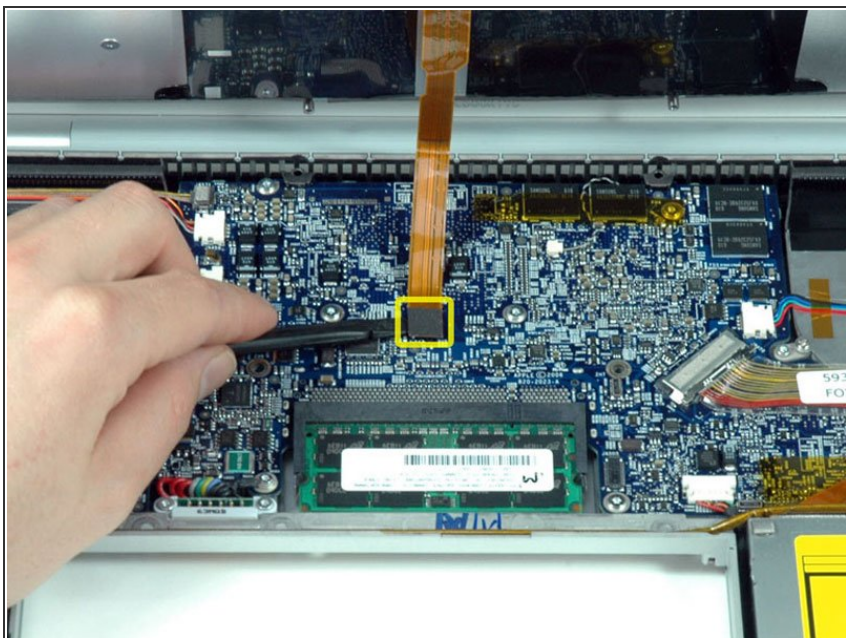
Step 9



⚠ Do not yank the upper case off quickly. The case is attached to the logic board via a ribbon cable.

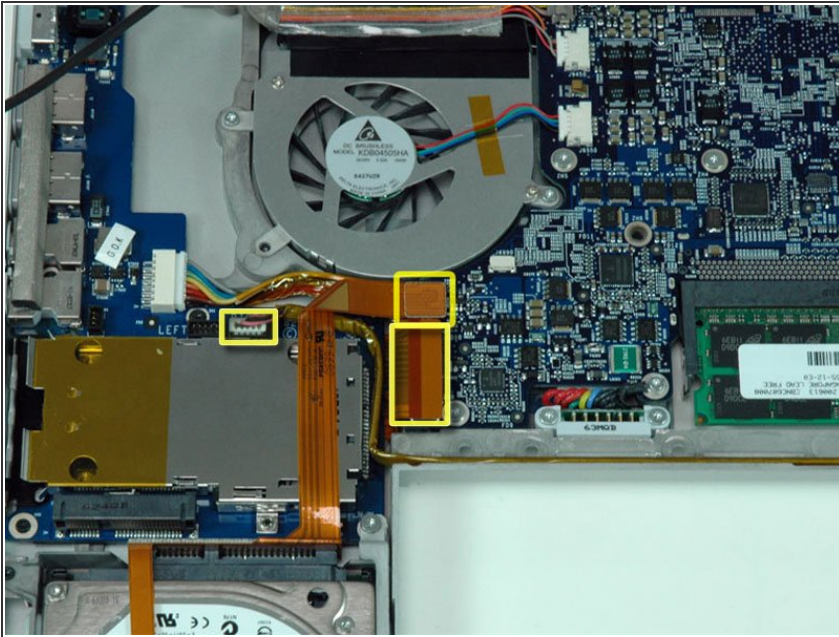
- Lift up the back of the case and work your fingers along the sides, freeing the case as you go. Once you have freed the sides, you may need to rock the case up and down to free the front of the upper case.

Step 10



- Disconnect the trackpad and keyboard ribbon cable from the logic board.
- Remove the upper case.

Step 11 — Left I/O Board Cable



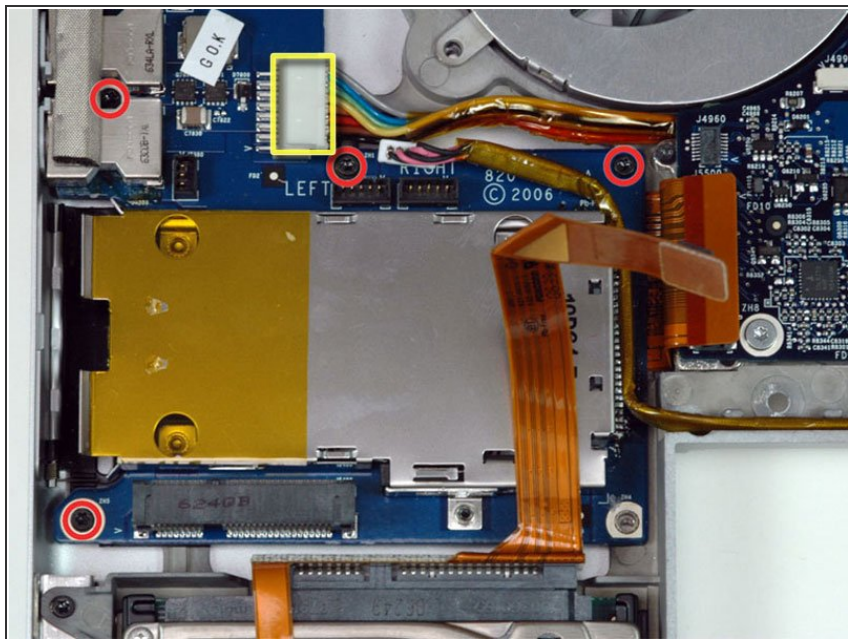
- Disconnect the hard drive ribbon cable and the left I/O board ribbon cable from the logic board.
- Disconnect the right speaker connector from the left I/O board.

Step 12



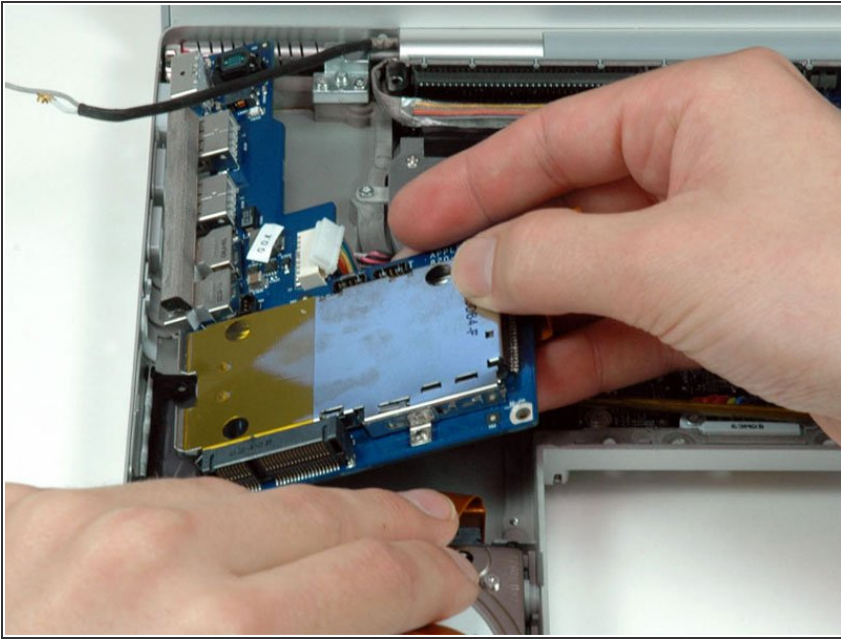
- Remove the two silver T6 Torx screws securing the gray metal retaining bracket to the right side of the hard drive.
- Lift the gray metal retaining bracket out of the computer.

Step 13



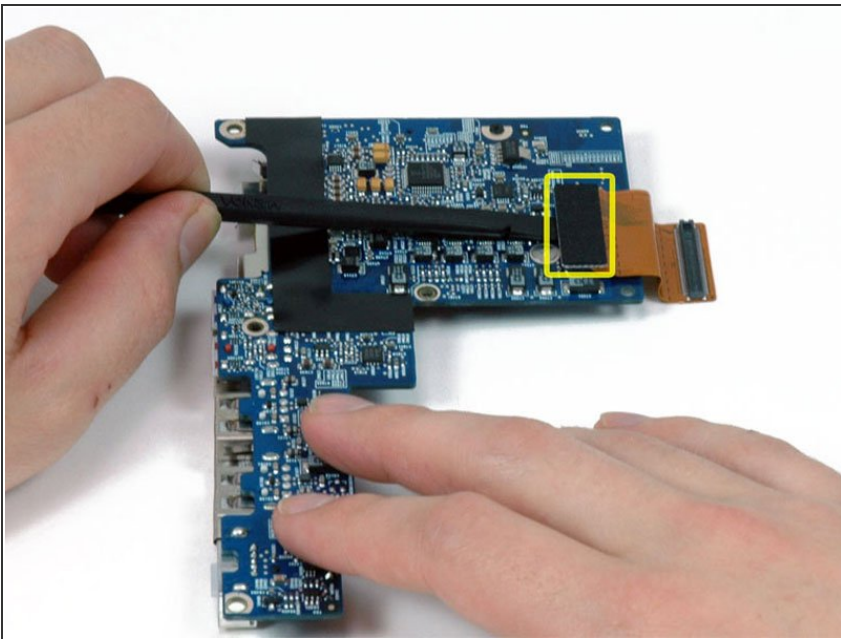
- Remove the five black T6 Torx screws securing the left I/O board to the lower case.
- Disconnect the large power connector from the left I/O board.

Step 14



- Move the orange hard drive ribbon out of the way with one hand. Use your other hand to lift up the right side of the left I/O board and slide it out of the computer.

Step 15



- Turn the left I/O board over.
- Use a spudger to disconnect the short orange cable from the left I/O board.

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