



Installing iPad 3G Logic Board

Tools used in this guide

- [Metal Spudger](#) (1)
- [Plastic Opening Tools](#) (1)
- [T5 Torx Screwdriver](#) (1)

Use this guide to replace your iPad 3G's logic board.



Step 1 - Display Assembly

- The iPad shown in the photos may look slightly different from your iPad, but the procedure is the same.
- Insert a metal spudger between the right edge of the display assembly and the rear panel assembly.
- Rotate the spudger away from you to release the tabs along the top edge of the display.



Step 2

- Insert a second metal spudger between the top edge of the display assembly and the rear panel assembly to keep the tabs from snapping back into place.
- Pry the display assembly away from the rear panel.



Step 3

- Continue prying the display assembly away from the rear panel along the bottom and left edges of the iPad.



Step 4

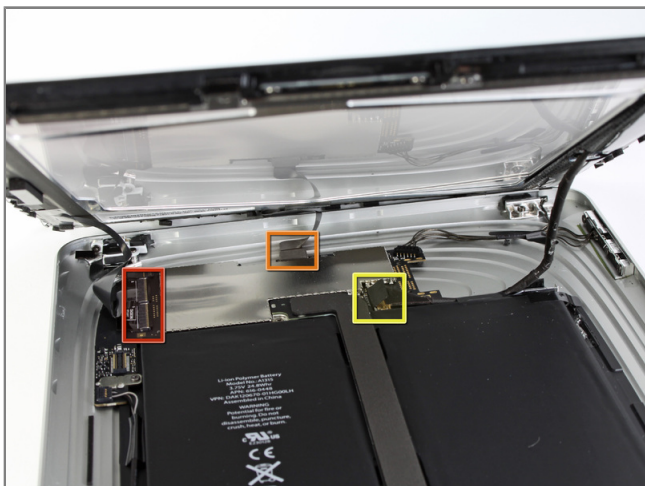
- Lift the display assembly away from the rear panel assembly by its right edge.
- Do not excessively lift the display assembly off the rest of the iPad, as a fragile antenna cable with very little slack still connects the two components.





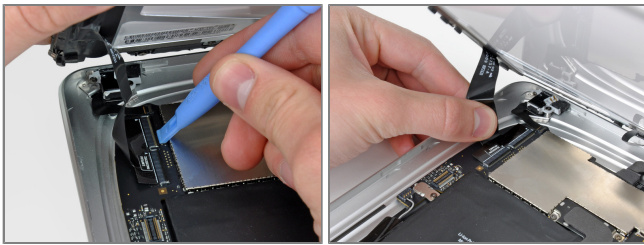
Step 5

- Use the flat end of a spudger to pry the antenna connector closest to the bottom of the iPad up off its socket on the communications board.



Step 6

- In the following steps, you will disconnect the three cables attaching the display assembly to the logic board. The cables are for the following components:
 - Digitizer
 - Ambient Light Sensor
 - Display Data Cable



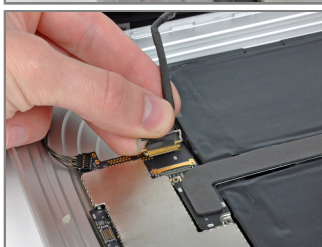
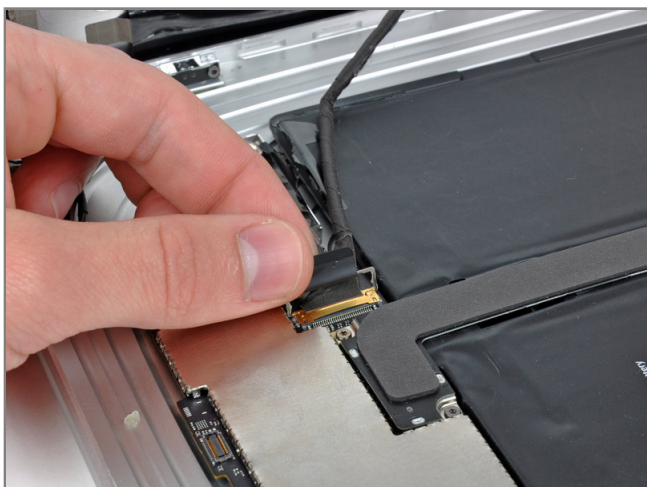
Step 7

- Use the edge of an iPod opening tool to flip up the retaining flaps holding the digitizer ribbon cables in their sockets on the logic board.
- Be sure you are flipping up the retaining flap, **not** the socket itself.
- Pull the digitizer ribbon cables straight out of their sockets.



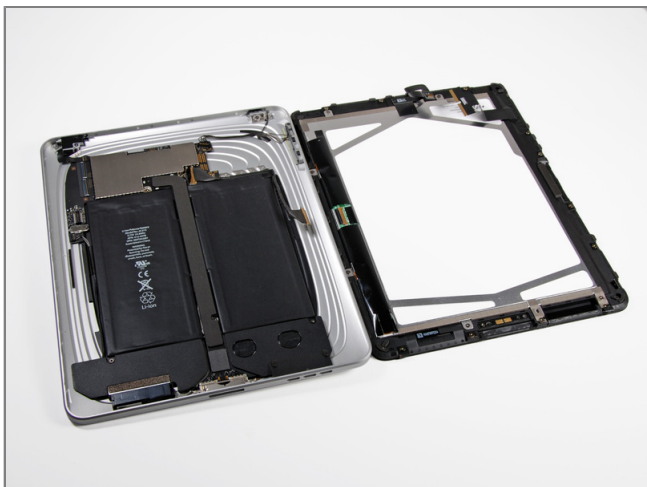
Step 8

- Use an iPod opening tool to remove the ambient light sensor connector from its socket by gently prying upward.



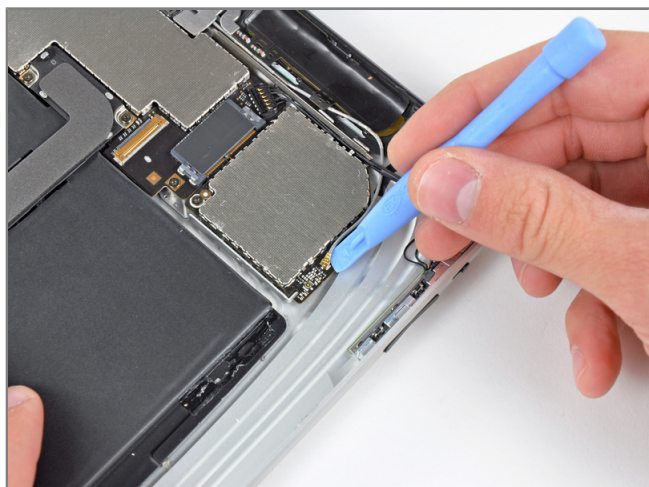
Step 9

- Disconnect the display data cable from the main board by flipping up the metal retainer by its black plastic pull tab.
- Pull the cable connector away from its socket.
- Pull the connector parallel to the face of the logic board.



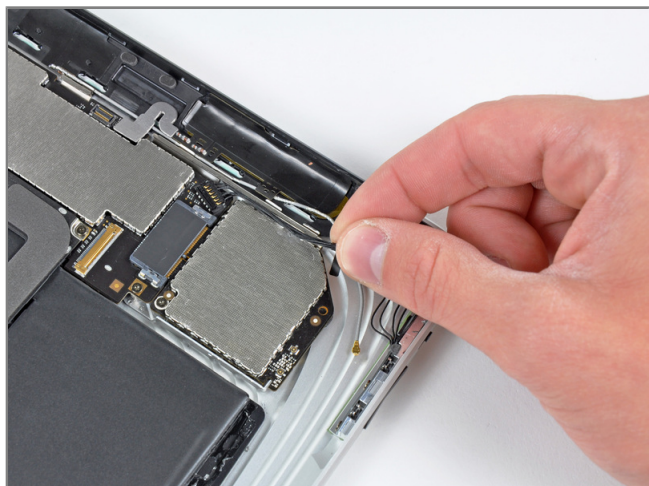
Step 10

- Remove the display assembly from the rear panel assembly.



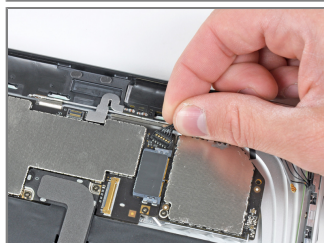
Step 11 - Communications Board

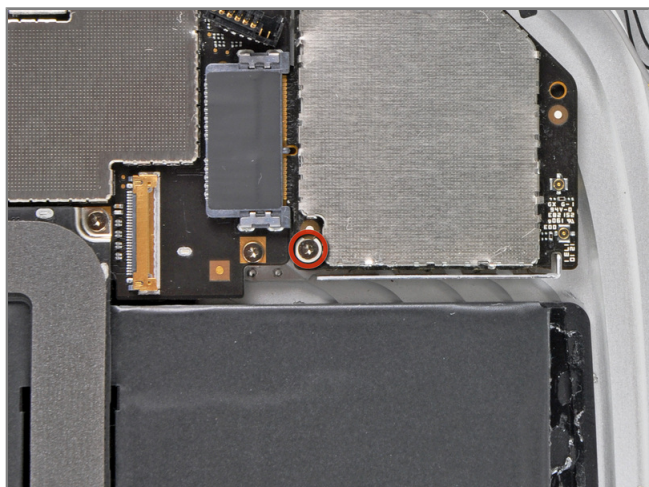
- Use the edge of an iPod opening tool to carefully pry the remaining antenna connector up off the communications board.



Step 12

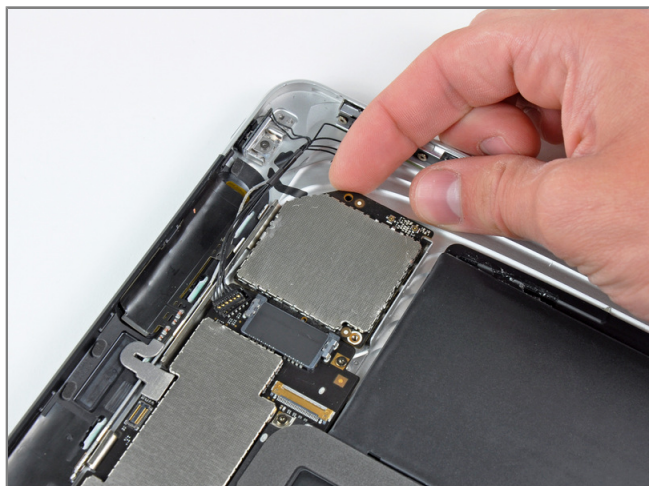
- De-route the control button cable along the top edge of the communications board.
- Pull the communications cable upward to lift its connector up and out of the socket on the logic board.





Step 13

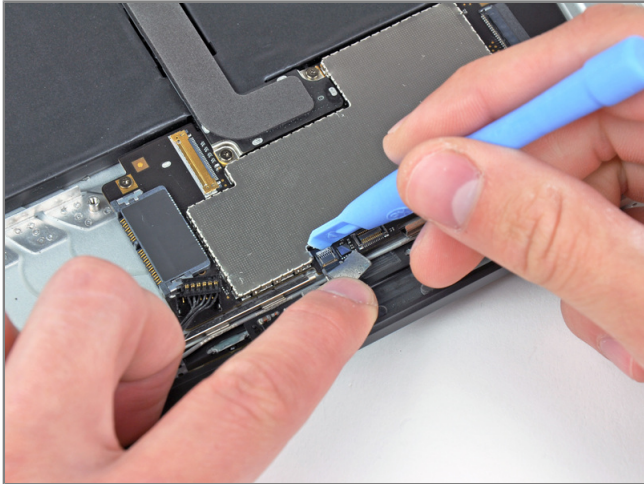
- Remove the single T5 Torx screw securing the communications board to the rear case.



Step 14

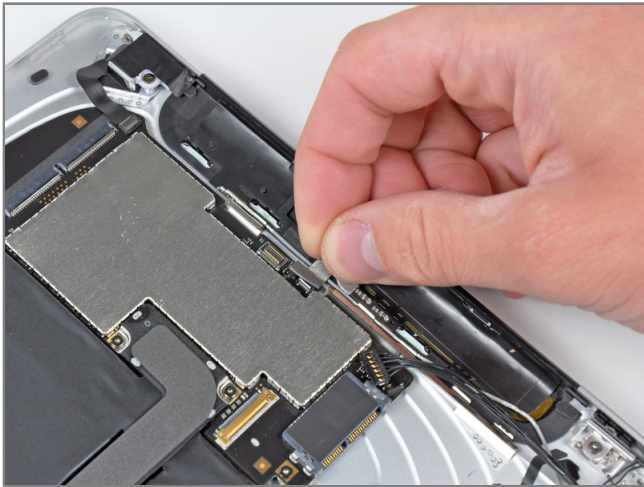
- If necessary, lift the right edge of the communications board upward to release it from the adhesive pad attached to the rear case.
- Pull the communications board away from its socket on the logic board.





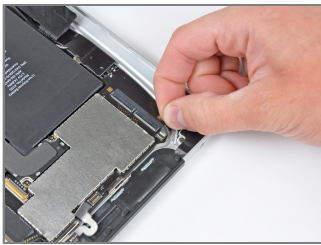
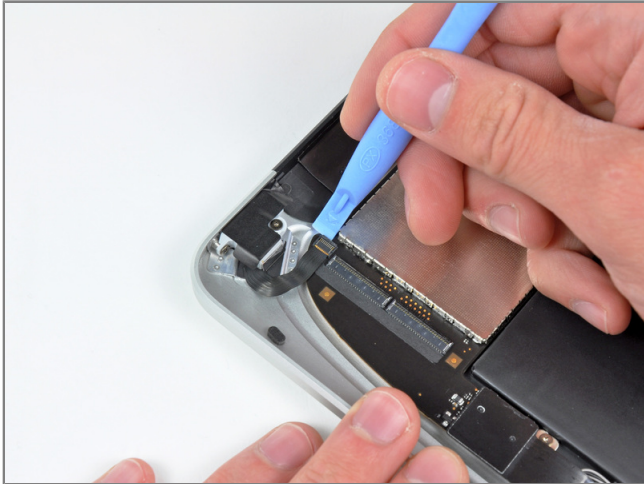
Step 15 - Logic Board

- Carefully peel back the rubber EMI shield covering the GPS antenna socket.
- Use the edge of an iPod opening tool to flip up the GPS ribbon cable retaining flap attached to the GPS cable's socket on the logic board.
- Be sure you pry up on the retaining flap, **not** the socket itself.



Step 16

- Pull the GPS antenna ribbon cable out of its socket.



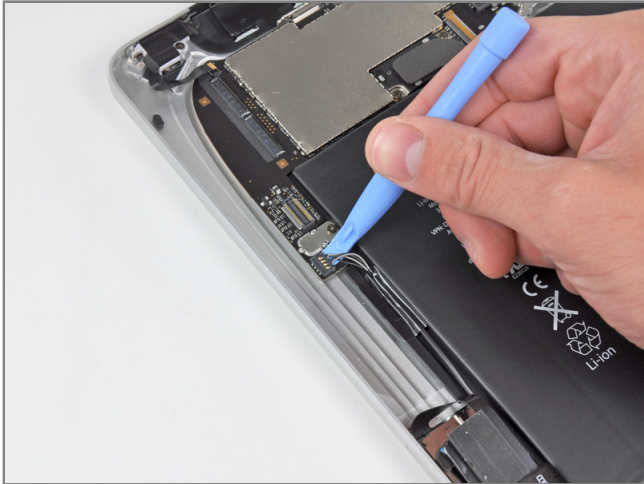
Step 17

- Use the edge of an iPod opening tool to pry up the retaining flap on the headphone jack/microphone socket.
- Be sure you pry up on the retaining flap, **not** the socket itself.
- Pull the headphone jack/microphone ribbon cable out of its socket.
- Pull the cable toward the left side of the iPad.



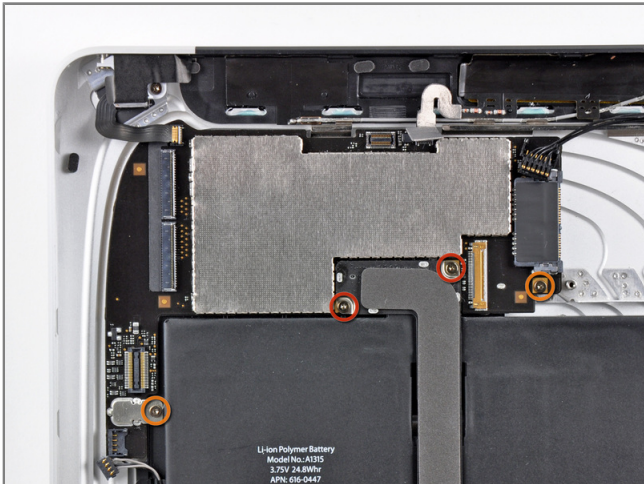
Step 18

- Use an iPod opening tool to pry the SIM board connector up off its socket on the logic board.



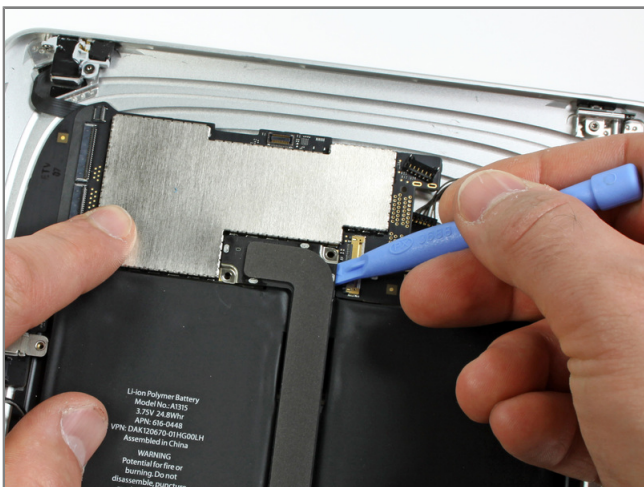
Step 19

- Fold the SIM cable toward the bottom of the iPad to access the speaker connector.
- Use the edge of an iPod opening tool to pry the speaker connector up and out of its socket on the logic board.
- Pry up from beneath the wires.



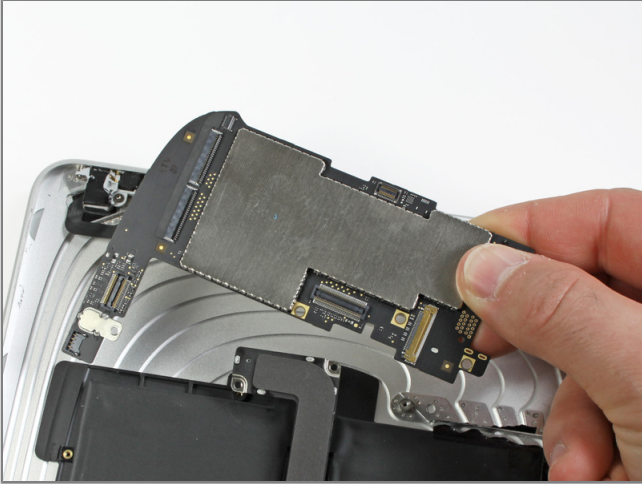
Step 20

- Remove the following screws securing the logic board to the rear panel assembly.
 - Two 4.56 mm T5 Torx screws.
 - Two 3.76 mm T5 Torx screws.



Step 21

- Use the edge of an iPod opening tool to carefully pry the dock cable connector straight up off the logic board.



Step 22

- Lift the logic board out of the rear panel assembly.

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

This document was last generated on Dec 14, 2010.