



Installing iPad 3G Ambient Light Sensor

Tools used in this guide

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

Use this guide to replace a broken ambient light sensor.



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

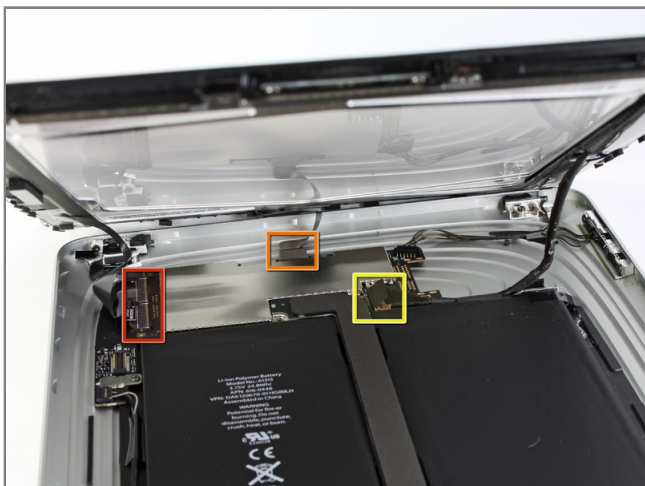
- Lift the display assembly away from the rear panel assembly by its right edge.
- Do not excessively lift the display assembly off the rest of the iPad, as a fragile antenna cable with very little slack still connects the two components.





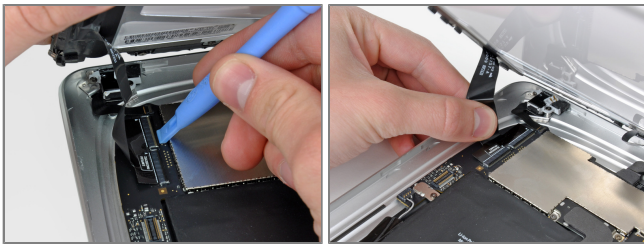
Step 5

- 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



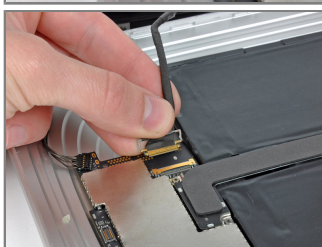
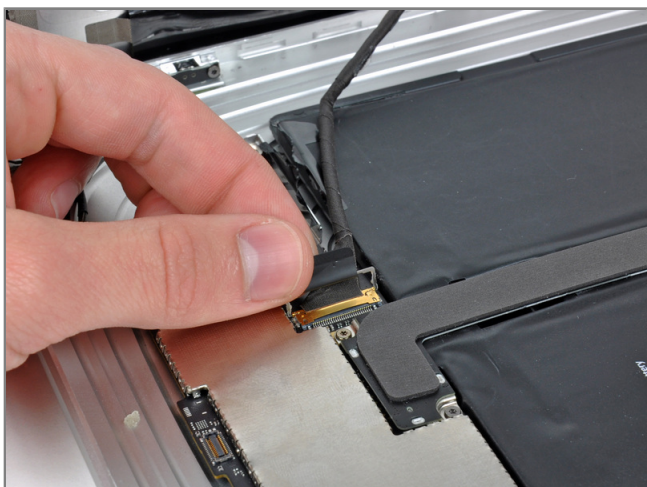
Step 7

- 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.



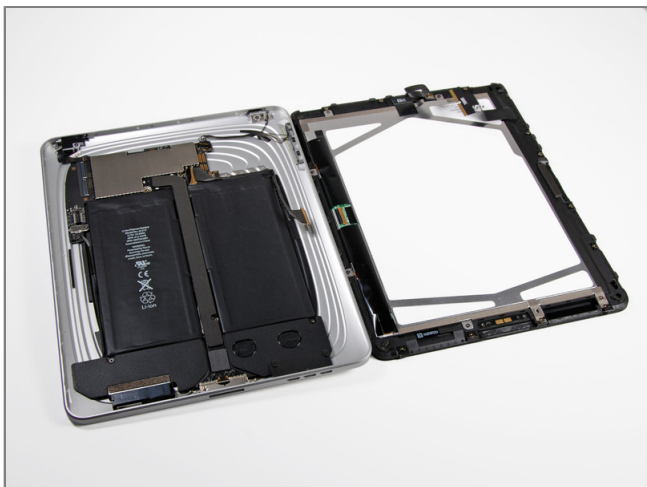
Step 8

- 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.



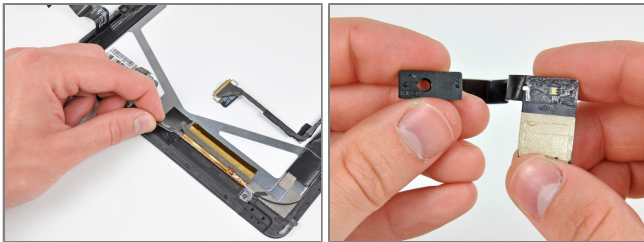
Step 11 - Ambient Light Sensor

- If necessary, peel the strip of foam tape off the ambient light sensor.
- It is not necessary to completely remove the foam tape attached to the antenna.



Step 12

- Use the edge of an iPod opening tool to carefully pry the ambient light sensor board off the adhesive securing it to the display frame.
- Once you've gained enough clearance, peel the ambient light sensor off the LCD.
- If necessary, attach the plastic view window to your new ambient light sensor before installation.



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

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