Installing iPad Wi-Fi LCD

Tools used in this guide

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

Use this guide to replace your iPad's LCD.

Step 1 - Display Assembly

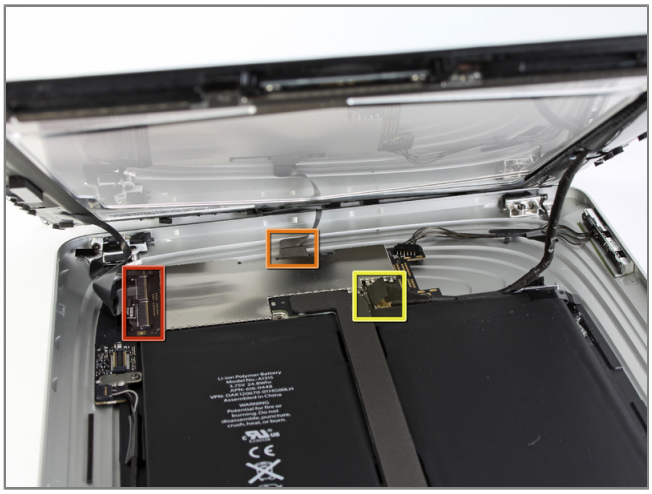
- Insert a metal spudger between the top edge of the display assembly and the rear panel assembly.
- Rotate the spudger away from you to release the tabs along the top edge of the display.
- Insert a second metal spudger between the top edge of the display assembly and the rear panel assembly to keep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

Step 2

- With one spudger, work your way along the right edge of the iPad, releasing tabs as you go.

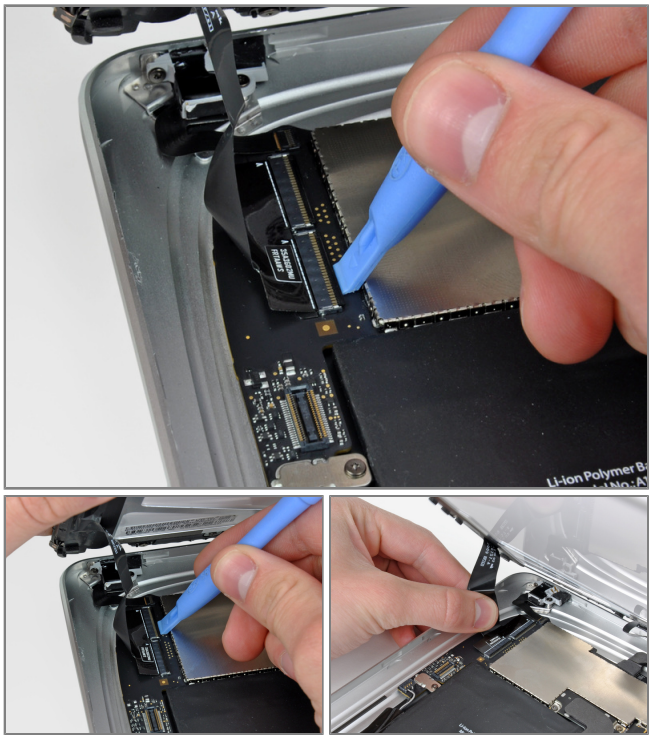
Step 3

- Lift the display assembly away from the rear panel assembly by its bottom edge.
- Do not attempt to remove the display at this time, as it is attached to the rear panel assembly.



Step 4

- 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

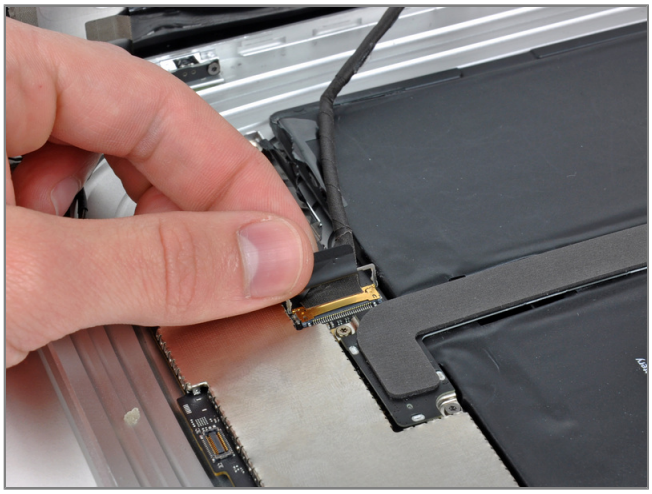


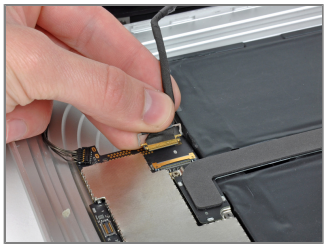
Step 5

- Use the edge of a plastic 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 6

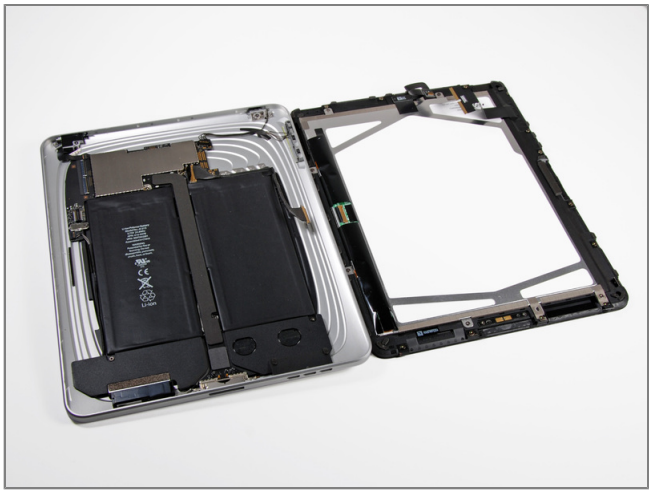
- Use a plastic opening tool to remove the ambient light sensor connector from its socket by gently prying upward.





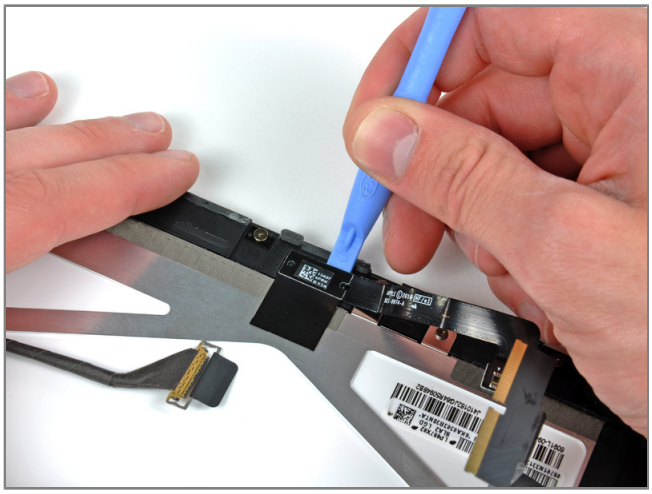
Step 7

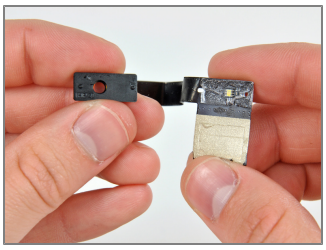
- Disconnect the display data cable from the main board by flipping up the metal retainer by its black plastic pull tab.
- Pull the cable connector away from its socket.
- Pull the connector parallel to the face of the logic board.



Step 8

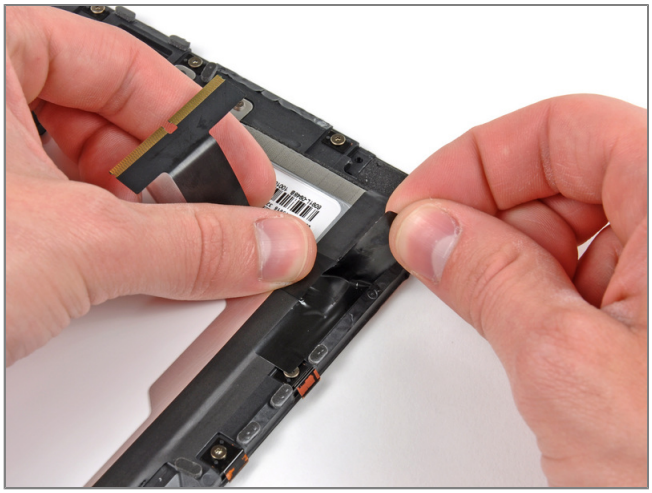
- Remove the display assembly from the rear panel assembly.





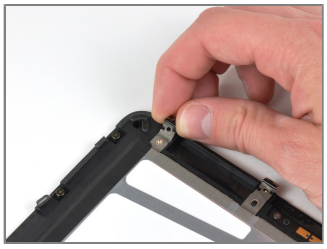
Step 9 - Ambient Light Sensor

- If you are reusing the LCD, it is not necessary to peel the ambient light sensor off the back face of the LCD.
- Use the edge of a plastic 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.
- Be careful not to crease the ambient light sensor below its top section, as the portion with adhesive applied may break off.
- If necessary, attach the plastic view window to your new ambient light sensor before installation.



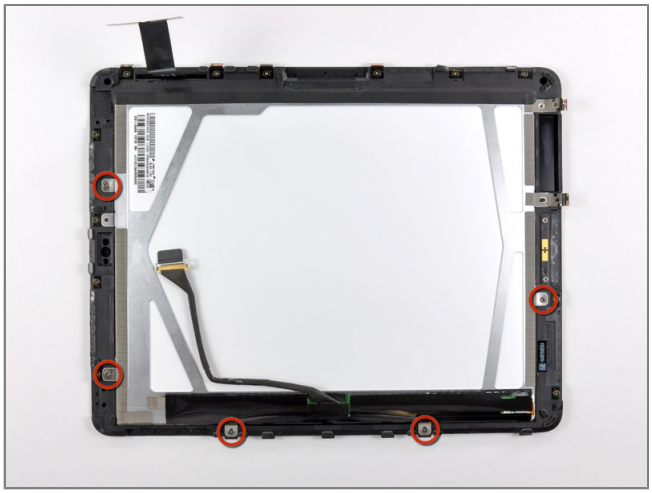
Step 10 - LCD

- While holding the digitizer cable down, carefully peel back the piece of tape connecting the digitizer cable to the display frame.



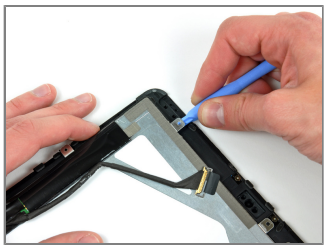
Step 11

- Remove the three T5 Torx screws securing the clips and LCD brackets covered in EMI tape near the home button switch.
- Carefully peel the display clip and its attached tape off the black plastic display frame.
- If you are replacing the LCD, be sure to transfer these pieces of EMI tape and their attached clips to the new LCD.



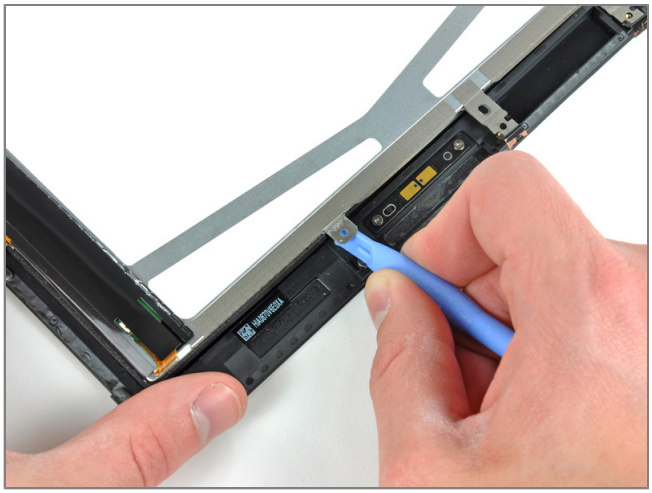
Step 12

- Remove the remaining T5 Torx screws securing the LCD to the black plastic display frame.



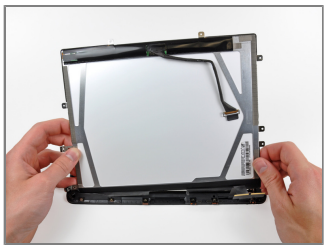
Step 13

- Insert the edge of a plastic opening tool under one of the ears attached to the steel LCD frame.
- Twist the plastic opening tool to gently pry the LCD up off the adhesive securing it to the front glass panel.
- Be sure not to excessively bend the LCD, as it is made of glass.



Step 14

- Repeat the process detailed on the previous step to pry up the display around the three sides opposite the digitizer cable side of the display.



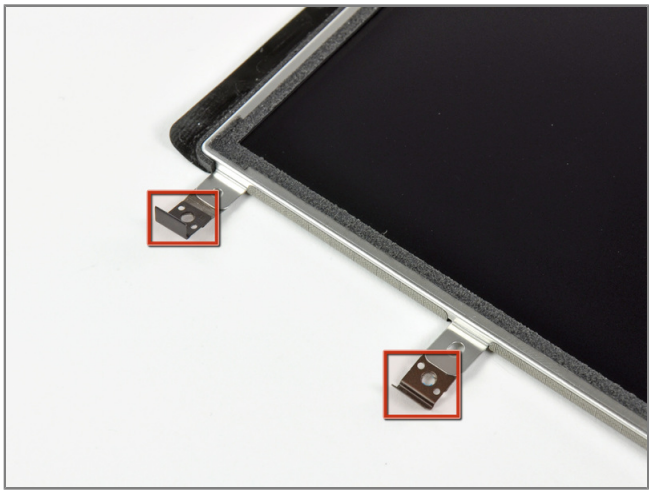
Step 15

- Lift the LCD from its free end, and remove it from the display frame.
- Carefully peel the adhesive securing the long side of the LCD to the display frame, then remove the LCD.

Step 16

- If it is still stuck to the front panel, remove the strip of EMI tape near the ambient light sensor socket.
- If necessary, transfer this to your new LCD.

- If it is attached to the LCD and you are reusing the LCD, skip this step. If you are replacing the LCD as well, transfer the strip of EMI tape to your new LCD.



Step 17

- If they are still in good shape, transfer the clips and EMI tape near the bottom of the LCD to your new LCD.

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

This document was last generated on Dec 14, 2010.