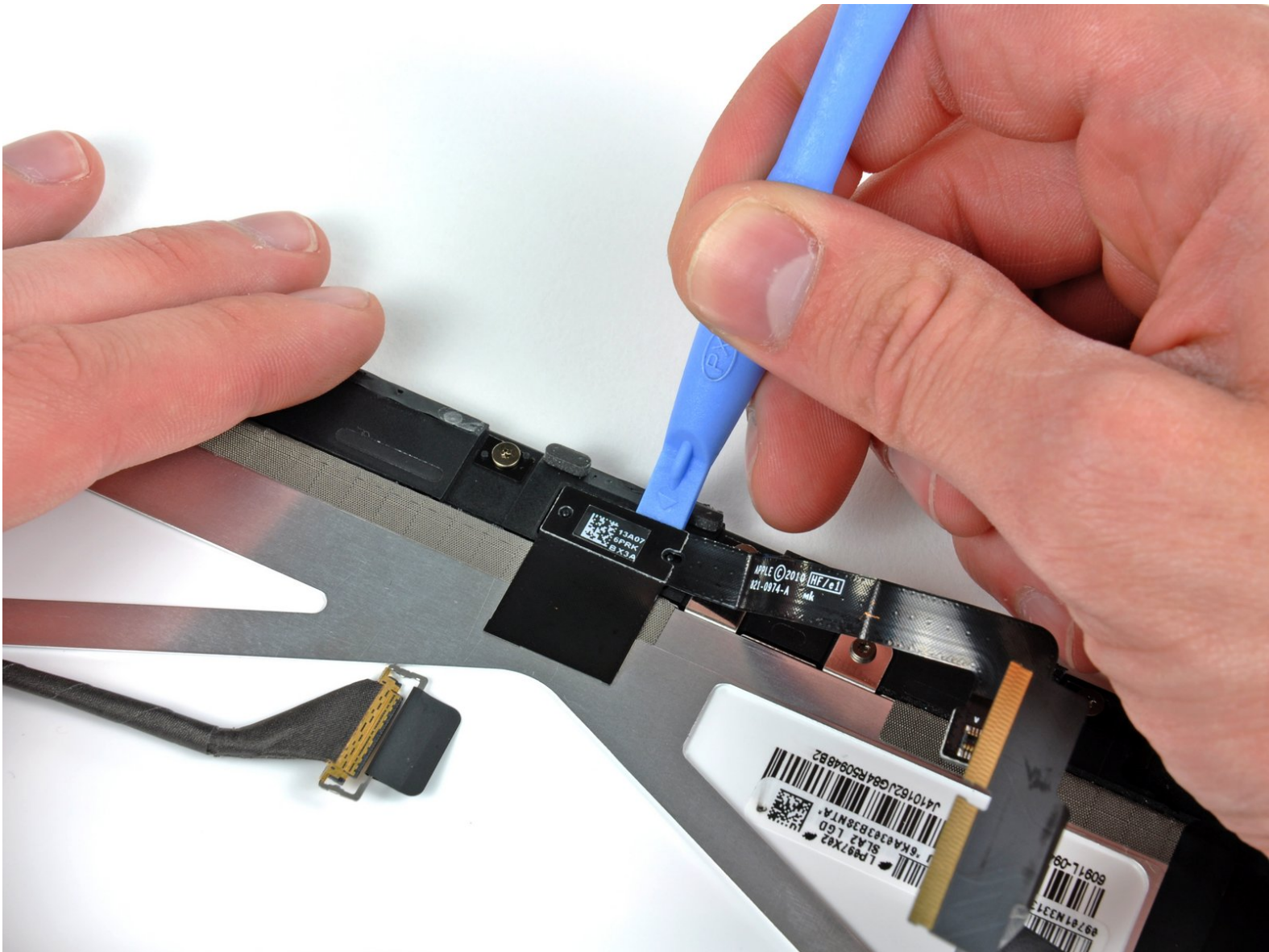




iPad Wi-Fi Ambient Light Sensor Replacement

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INTRODUCTION

Use this guide to replace a broken ambient light sensor.



TOOLS:

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




PARTS:

- [iPad Display Clip Set](#) (1)

Step 1 — Display Assembly





- If your display glass is cracked, keep further breakage contained and prevent bodily harm during your repair by taping the glass.
- Lay overlapping strips of clear packing tape over the iPad's display until the whole face is covered.
 - ⓘ This will keep glass shards contained and provide structural integrity when prying and lifting the display.
- Do your best to follow the rest of the guide as described. However, once the glass is broken, it will likely continue to crack as you work, and you may need to use a metal prying tool to scoop the glass out.

 Wear safety glasses to protect your eyes, and be careful not to damage the LCD screen.

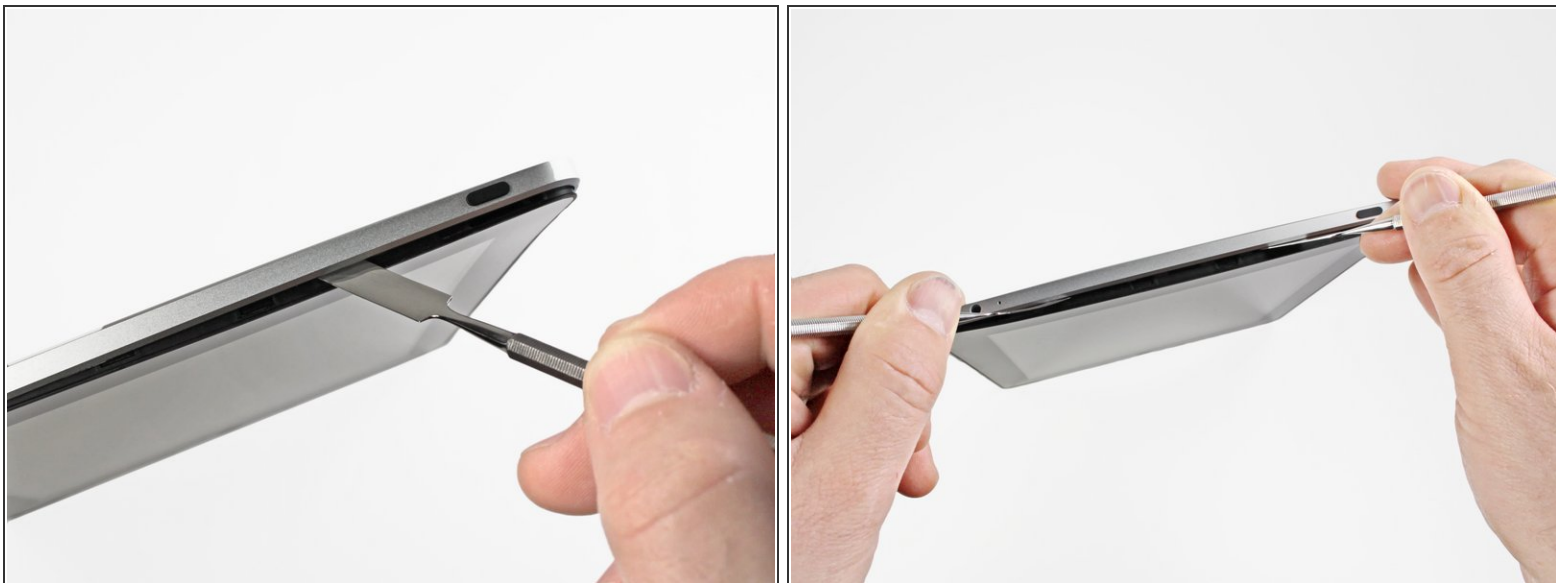
Step 2



 In this guide you will be prying the iPad's display assembly away from the aluminum body. Read ahead and follow the directions closely to avoid damaging the display assembly or the fragile clips holding it in place.

- There are 14 metal clips holding the display assembly in place, shown at left. As you pry in the following steps, do your best to pry *around* these clips and not slice *through* them with your opening tool.
-  If you do happen to break some clips, you can buy replacements [here](#).

Step 3




- 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 4




- With one spudger, work your way along the right edge of the iPad.
- The front panel is held to the aluminum back by metal clips on the top, bottom, and left sides. The right side has plastic tabs which slide into recesses in the backplate.
- Once the clips are released, lift the left side of the front panel up and slide it to the left to clear the tabs from the aluminum backplate.

 Pry carefully and gently—if you feel resistance, stop and pry at another spot.

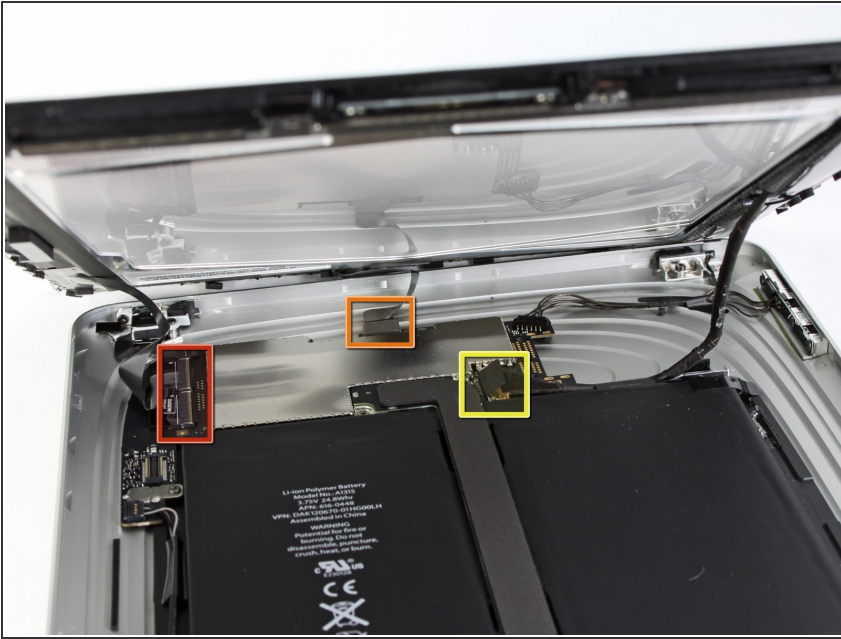
Step 5



- 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 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 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 8



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

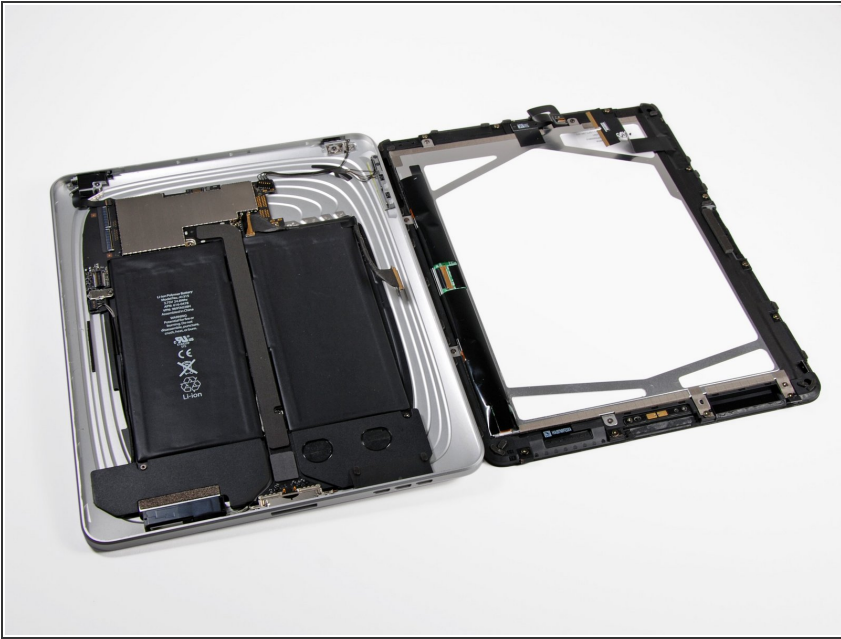
Step 9



- 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.

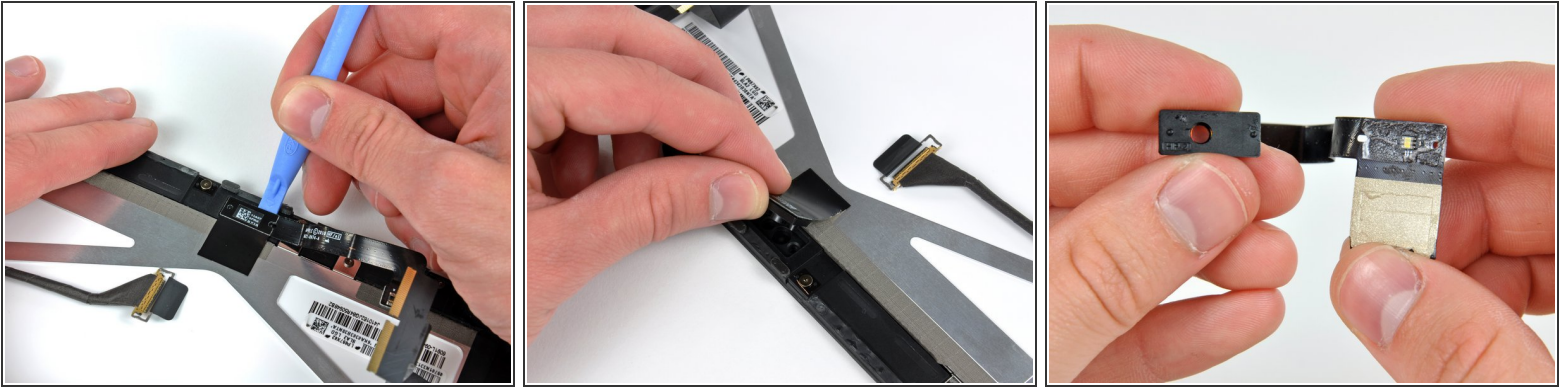
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Step 10



- Remove the display assembly from the rear panel assembly.

Step 11 — 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.

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