![iFixit logo]

Canon Speedlight 430EX II LCD Replacement

This guide explains how to replace an LCD in a Canon Speedlight 430EX II flash. This guide requires advanced skills similar to replacing LCD in iPhone/iPod.

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🔧 TOOLS:

- Small Needle Node Plier (1)
- Set of mini screw drivers (1)
- iFixit Tech Knife (1)

⚙ PARTS:

- Canon replacement LCD for Speedlight 430EX II (1)

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Step 1 — Before you Start

- My Speedlight 430EX II was still working perfectly with only the LCD display cracked. The backlight was also still working.

- Order a genuine replacement part from www.DHcameras.com.

- Make sure you have a very good set of tools. The screws on this flash are very soft and a none matching driver will strip them.

Step 2 — Remove Flash Base
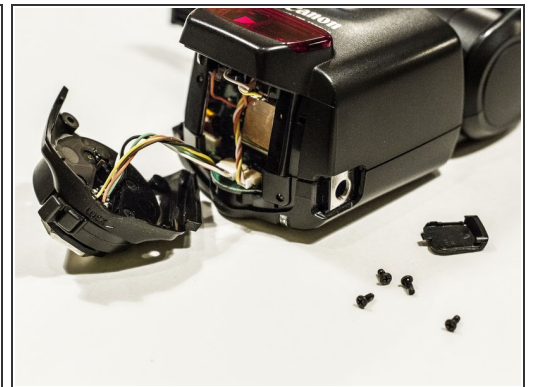
- Remove batteries

- Remove the 4 screws at the bottom of the flash

- Remove mounting cap on the side of the flash

- Carefully unplug the socket from the circuit board.

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Step 3 — Open Casing

- Turn the flash head 90º.

- Remove both screws right below the 75 mark. These are the screws holding the smaller back casing in place.

Step 4 — Pry open Case

⚠️ READ THIS!!!! This is not a "the bigger the hammer the smaller the problem" step. You mess this up and you will need to duck-tape your flash back together. Also...: make sure you don't snap a plastic tool.

- Looking flat into the opening you should see a metal part far in.

- With a flat driver try to get between the plastic casing and this metal part to pry it out of the locking notch.

- Image 3 illustrates the metal tab you need to press down for the side to open.

- One more time: Make sure you are getting between the casing and the metal tab. Inserting and twisting a small screw driver worked for me after a few tries.

Step 5 — Unplug Wires
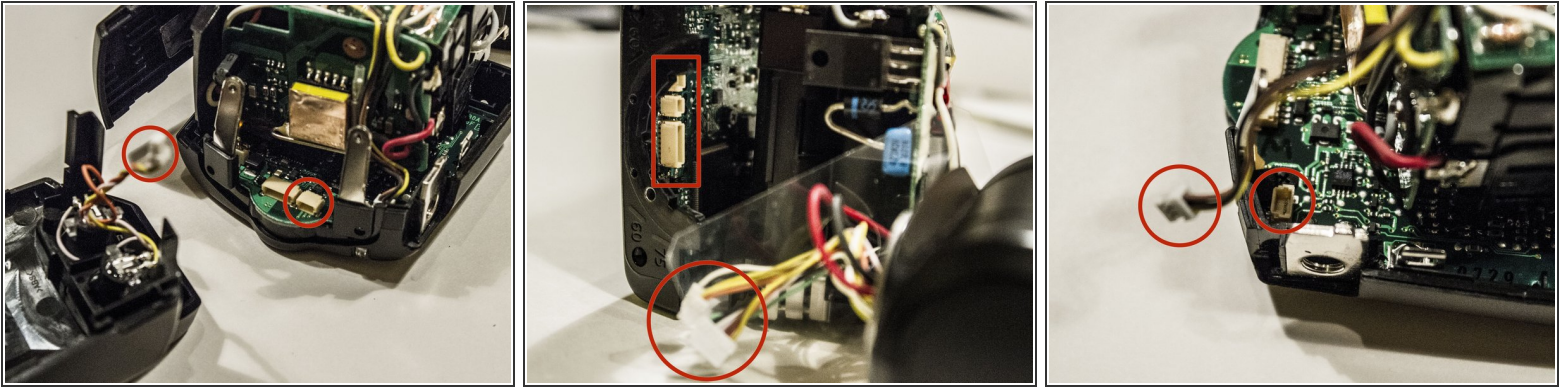
- Remove front casing with infrared sensor by removing one plug.

- Detach 3 wires going from flash head to circuit board.

- Remove brown and yellow wire from circuit board connecting the battery case.

Step 6 — Access LCD Circuit Board
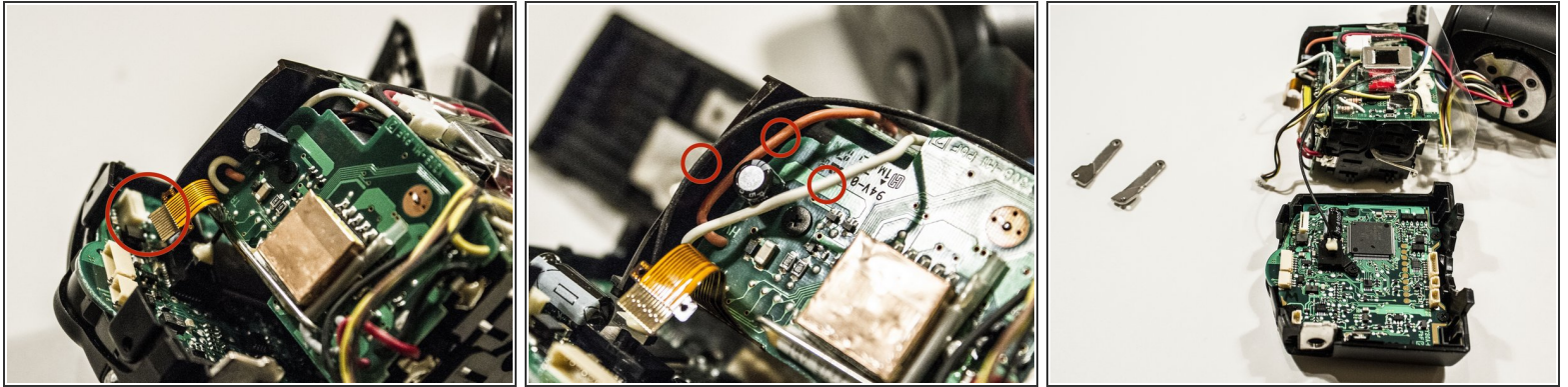
⚠️ Gently pull flat band out of the circuit board mount. You might use the pliers but don't bend the band.

- Move the 3 wires out from the gap between the casing and circuit board.

- First: White

- Second: Orange

- Third: Black. This is the one we need to free.

- Now the back casing with circuit board should come lose. Only attached by the black wire.

- Also pull out the 2 metal mounting plates.

Step 7 — Remove old LCD
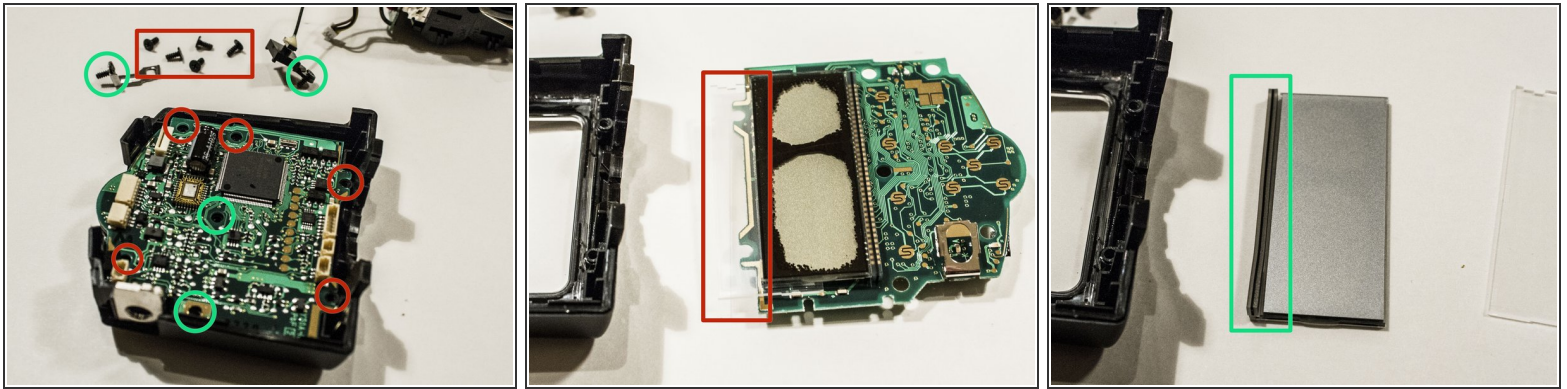
- Remove 5 screws holding the circuit board.

- Remove screw holding metal tab. The screw is different than other 5. Make sure you leave it in the tab.

- Remove screw holding plastic cap. Keep screw in the cap as it is a different size.

- Take the circuit board out of the casing flipping it over.

- There is a clear plastic plate (red) between the LCD and the circuit board. It might fall out. It is used to distribute the back-light.

⚠ Pull the old LCD off carefully. Make sure not to tear the rubber band (green). This is used to transfer the signals from the board to the LCD.

Step 8 — Install new LCD
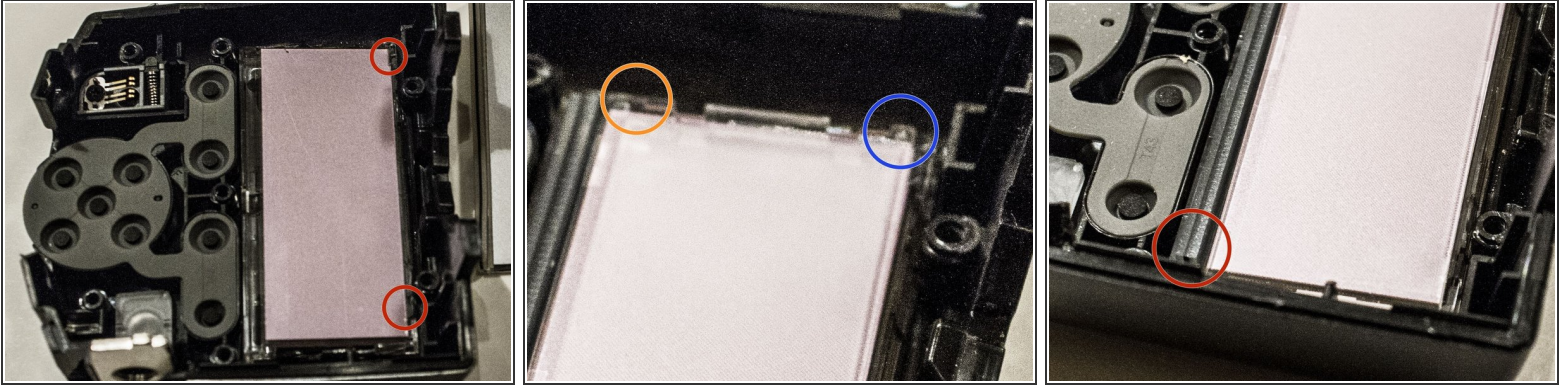
⚠️ Cut the side of the plastic wrapping of the new LCD. Slide it out of the plastic bag directly into position. Make sure you don't touch surface with your fingers.

- There are 2 tabs (red) the new LCD needs to slide under.

- Now place the clear plastic plate on top of the new display. MAKE SURE it is in the correct orientation. In the image the BLUE notch is a bit larger than the orange one.

- Press the edges of the plastic lightly and it will snap into the case.

- Remove the rubber band gently from the old LCD and place it into the groove (image 3, red). Make sure it is aligned correctly.

Step 9 — Re-assemble and Test
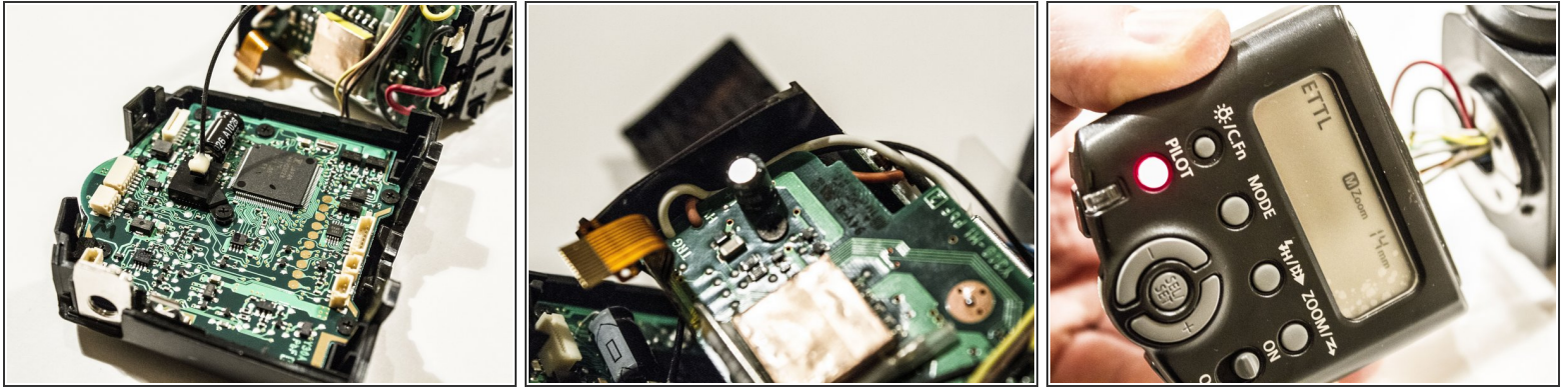
- Place circuit board back into the casing and attach all screws.

- If positioned correctly the rubber band will make connection between the new LCD and the board.

- Push the wires back between the side casing and the circuit board. The order is now reversed: 1st Black, 2nd Orange, 3rd White.

- Re-attach all connectors onto the circuit board except the flash base.

- Insert batteries and hold the cap closed with your fingers. It will not snap closed until the casing is back together.

- Turn on the flash and check if the LCD works. Push the back-light button (above Pilot) to make sure it works.

- After the test remove batteries.

Step 10 — Close Casing
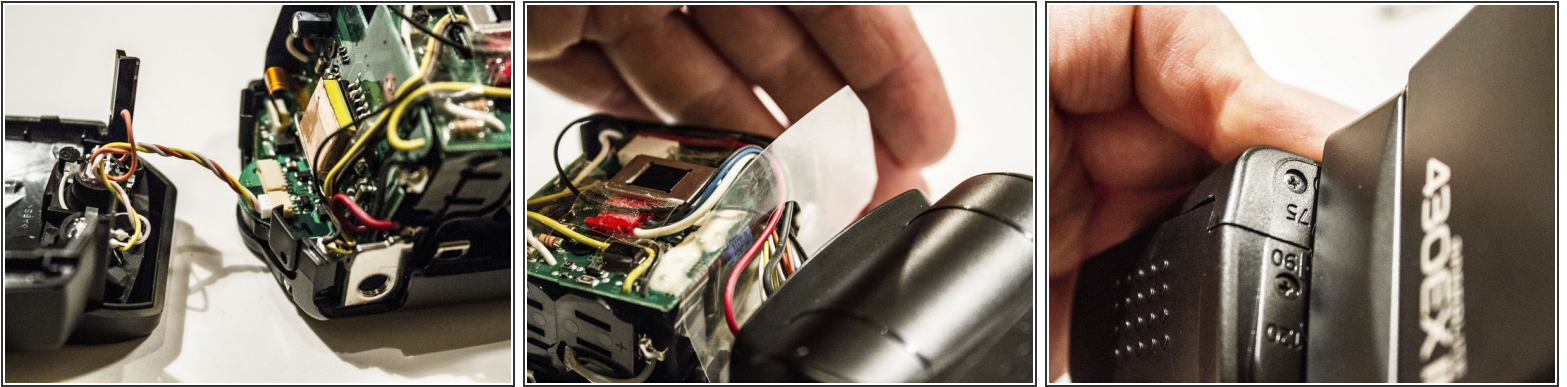
- Re-attach the front casing wire for the infrared sensor.

- Make sure the plastic foil is back in place the correct way around.

- Put the flash head back between casing halves and snap them together.

- Attach them with the top screws byt the 75 marks.

Step 11 — Final Test and Done
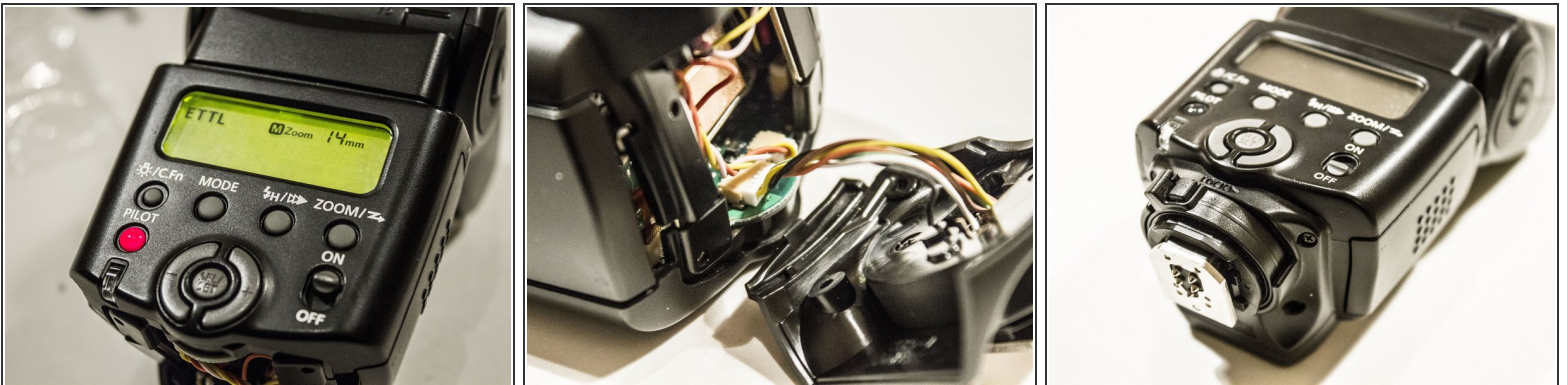
- Run one more test by inserting batteries. The battery cap should now snap closed.

- Turn the flash head and make sure all mechanics work including the tilt.

- Re-attach the wire of the flash foot and put in the 4 screws.

- Congratulations!!! You just fixed your speed light LCD.

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

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