Nikon D70 CCD Board Replacement

How to install the CCD board on a Nikon D70

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INTRODUCTION

Use this guide to replace the CCD sensor board.

🔧 TOOLS:

- Phillips #00 Screwdriver (1)
- Small magnet (1)
- Tweezers (1)

Step 1 — Battery

- Use your finger tip to pull the battery release tab toward the center of the D70.

- Open the battery door and rotate it away from the bottom cover.

Step 2

- Pull the battery out of the D70.

- (i) It may be necessary to wiggle the battery while pulling to free it from its pocket in the case.

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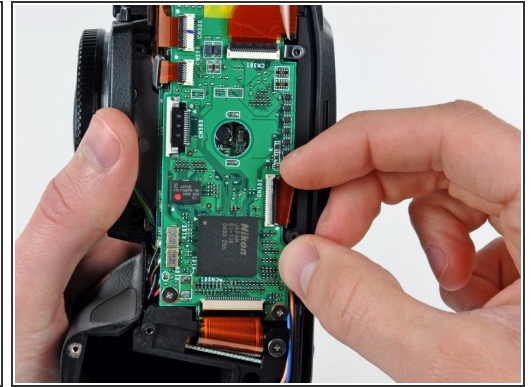
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Step 3 — Bottom Cover

- Remove the following eight screws securing the bottom cover to the D70:
  - Six 5.8 mm Phillips screws
  - One 10.7 mm Phillips screws
  - One 8.2 mm Phillips screws

Step 4

- Carefully pull the bottom cover to separate it from the body of the D70.

- Remove the bottom cover from the D70.

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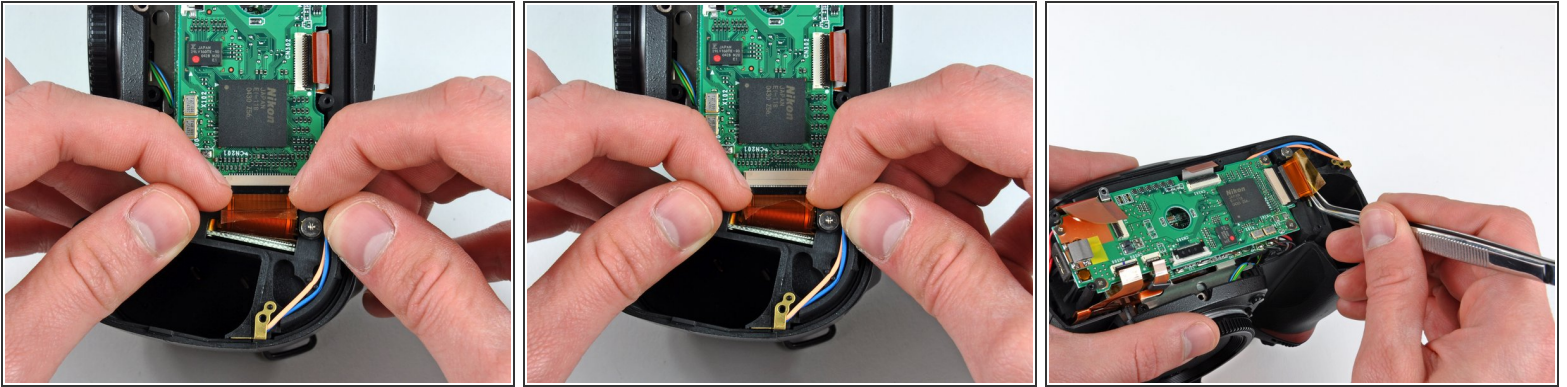
Step 5 — Memory Compression Board

- Remove the four ZIF ribbon cables highlighted in red by using the following procedure:
  - Use your fingernail to flip up the ZIF cable retaining flap on each socket.

⚠️ Be sure you are prying up the retaining flap, **not** the socket.

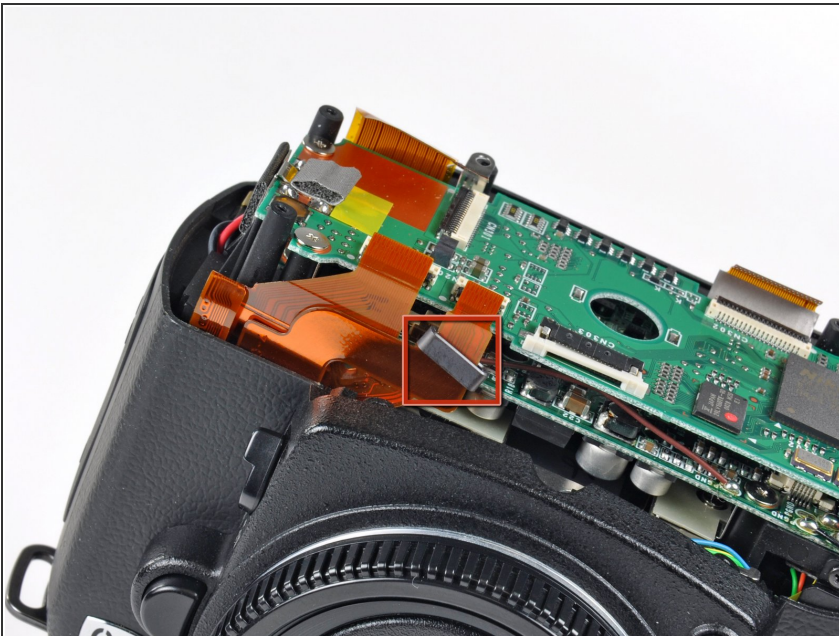 - Pull the ribbon cable straight out of its socket.

Step 6

- Carefully peel back the piece of tape covering the Compact Flash ribbon cable socket.

ⓘ It is not necessary to completely remove this piece of tape.

Step 7

- Use your fingernails to carefully pull the ZIF cable lock away from its socket.

⚠️ Do not try to completely remove the ZIF cable lock. It will move about 1 mm and stop.

- Use a pair of tweezers to pull the Compact Flash ribbon cable out of its socket.
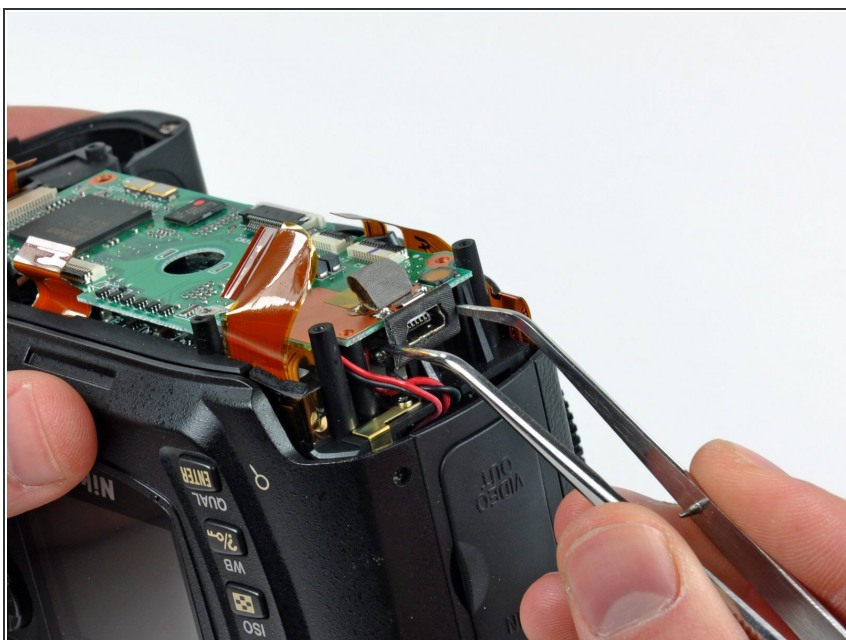
Step 8

📌 Be sure not to lose the small iron core around the DC-In ribbon cable.
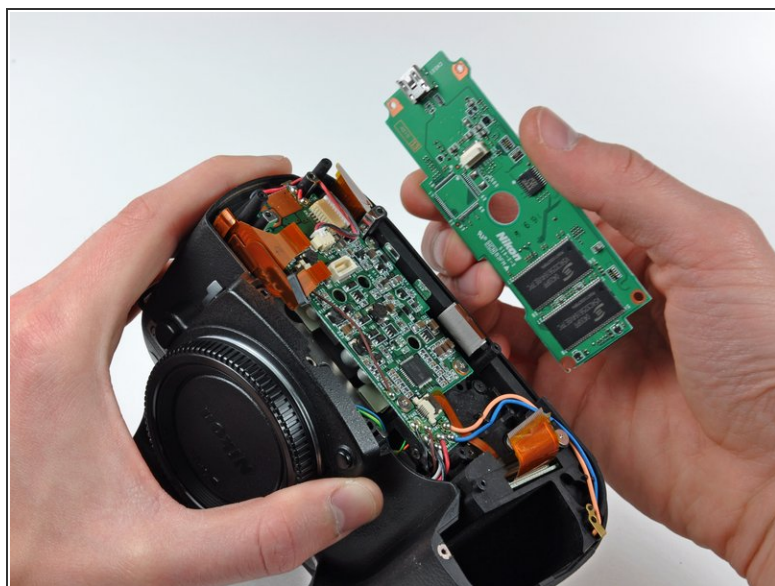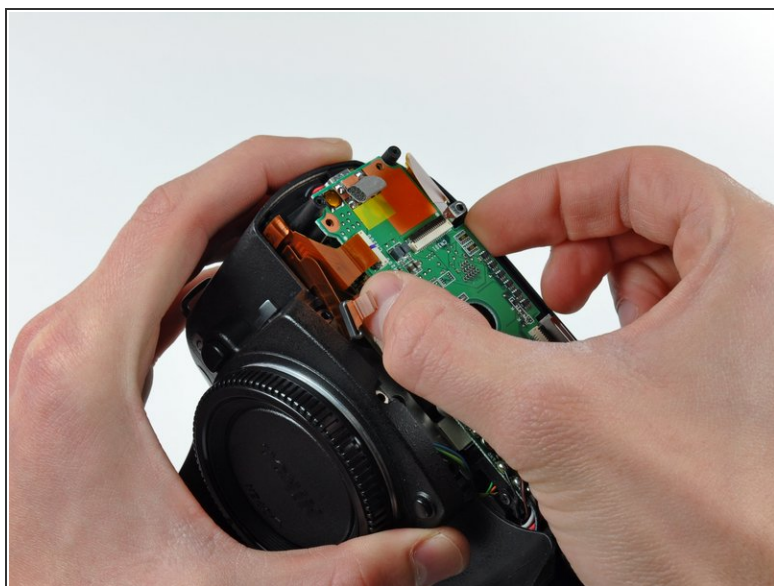
Step 9

- Remove the four 4.3 mm Phillips screws securing the memory compression board to the D70.
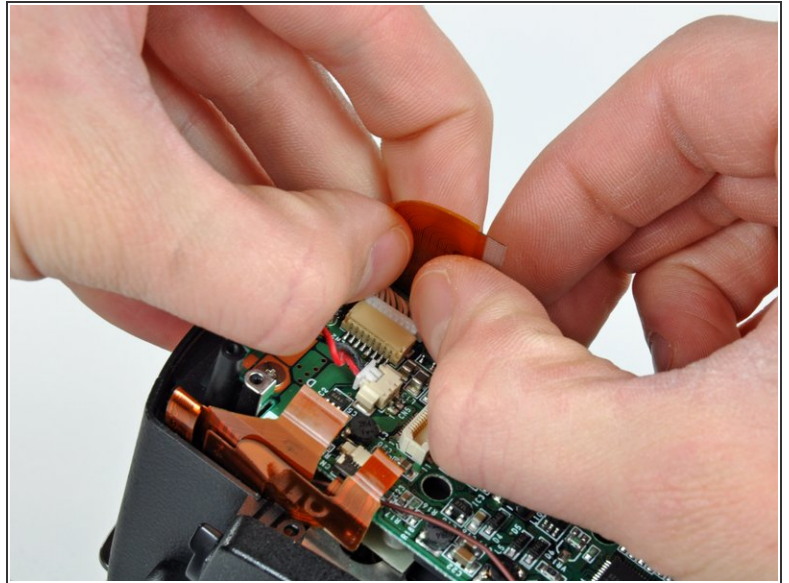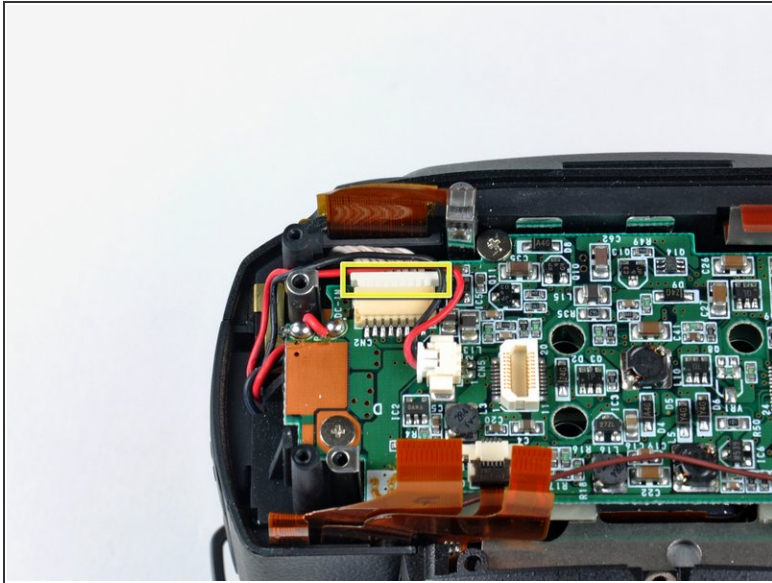
Step 10

- Use a pair of tweezers to pull the USB connector bracket away from the edge of the memory compression board.

Step 11

- Grab the memory compression board by its edges at the position shown in the first picture.

- Pull the memory compression board straight up off the DC/DC board to avoid damaging the connector on the underside of the memory compression board.

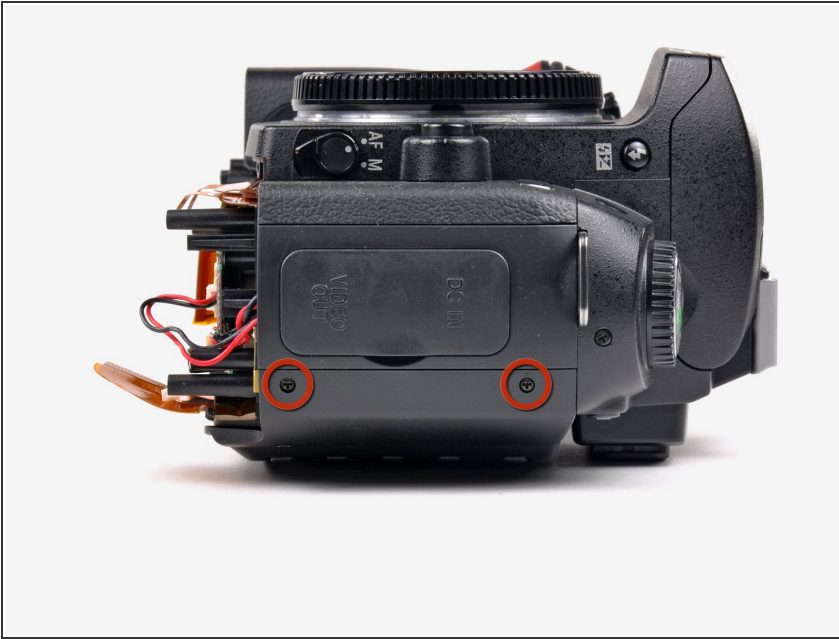www.iFixit.com

Step 12 — CCD Board

- De-route the two leads routed over the connector boxed in yellow.

- Use your thumbnails to push the connector out of its socket.

Step 13

- Remove the two Phillips screws securing the grip side of the rear cover to the D70.

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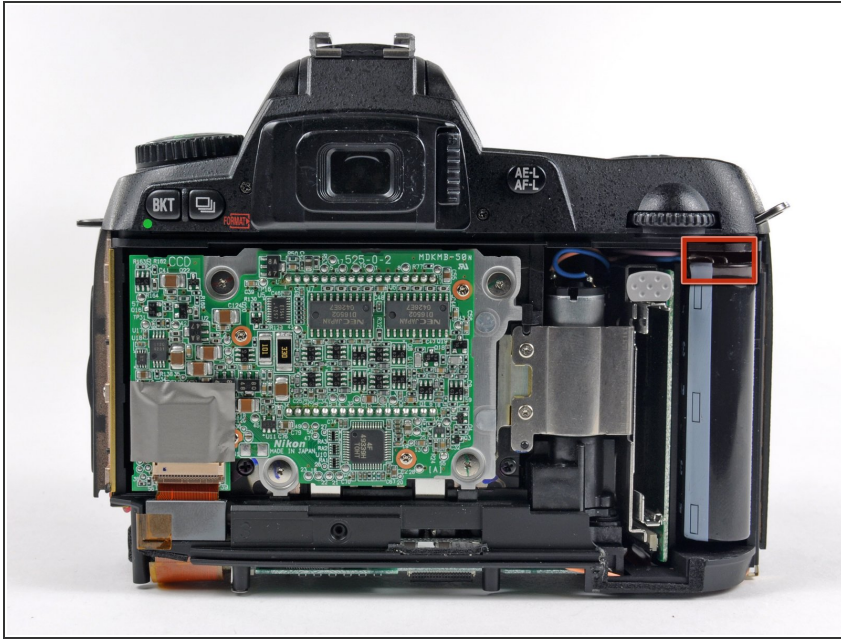www.iFixit.com

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Step 14

- Remove the two Phillips screws securing the DC-In side of the rear cover to the D70.
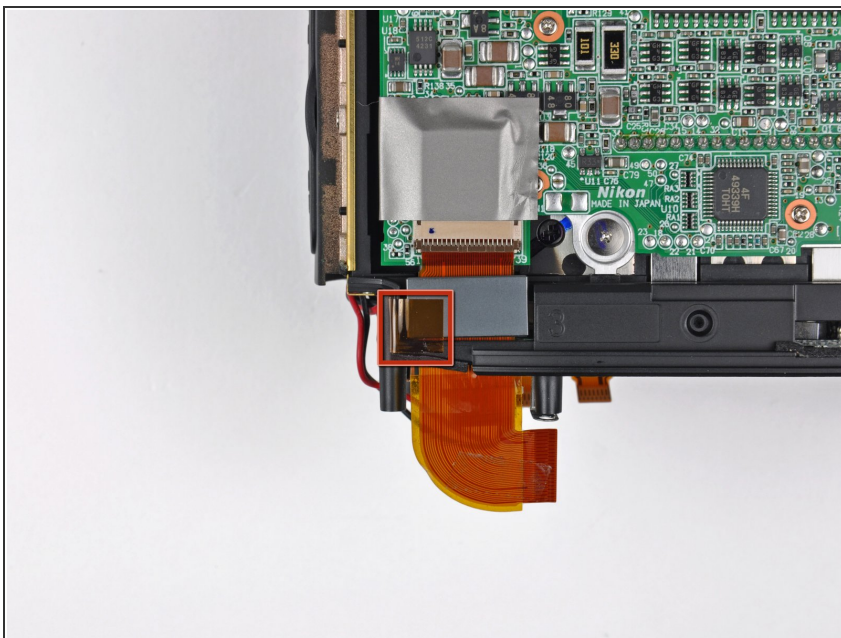
Step 15

- Carefully pull the sides of the rear cover away from the body of the D70.

- Pull the rear cover off the body of the D70, minding the LCD board ribbon cable that may get caught.
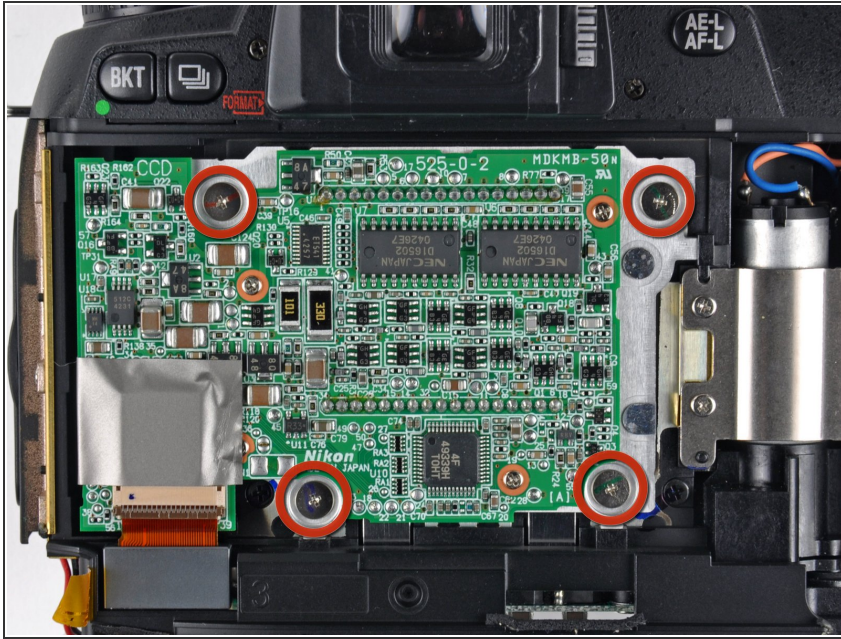
Step 16

⚠️ At this point, the capacitor is visible and its exposed contacts are boxed in red. Even though they are recessed, be careful not to touch the contacts to avoid shocking yourself.
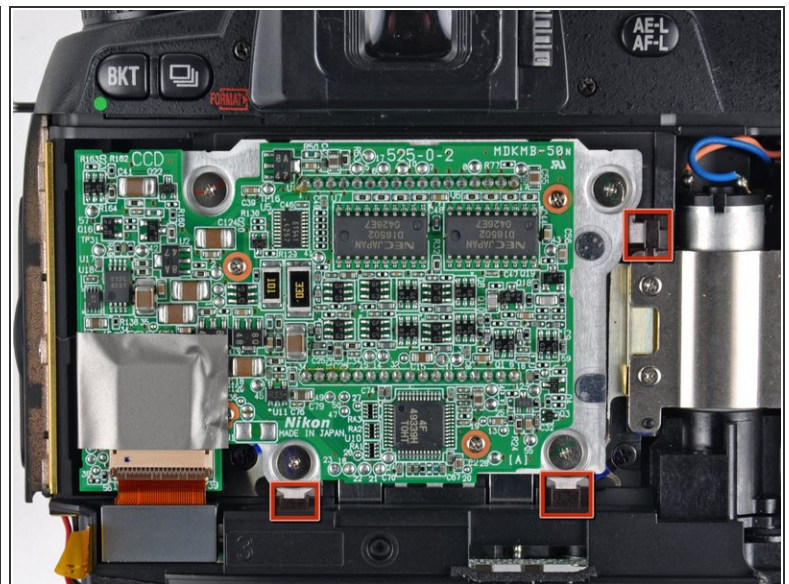
Step 17

● Peel back the piece of tape connecting the iron core around the CCD board ribbon cable to the inner case.

Step 18

- Remove the four 4.8 mm Phillips screws securing the CCD board to the D70.

Step 19

- Remove the CCD board from the D70, minding any cables that may get caught.

- When reinstalling the CCD board, be sure to press the alignment posts on the right and bottom edges of the board up against the guides machined into the case while tightening the screws down.

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