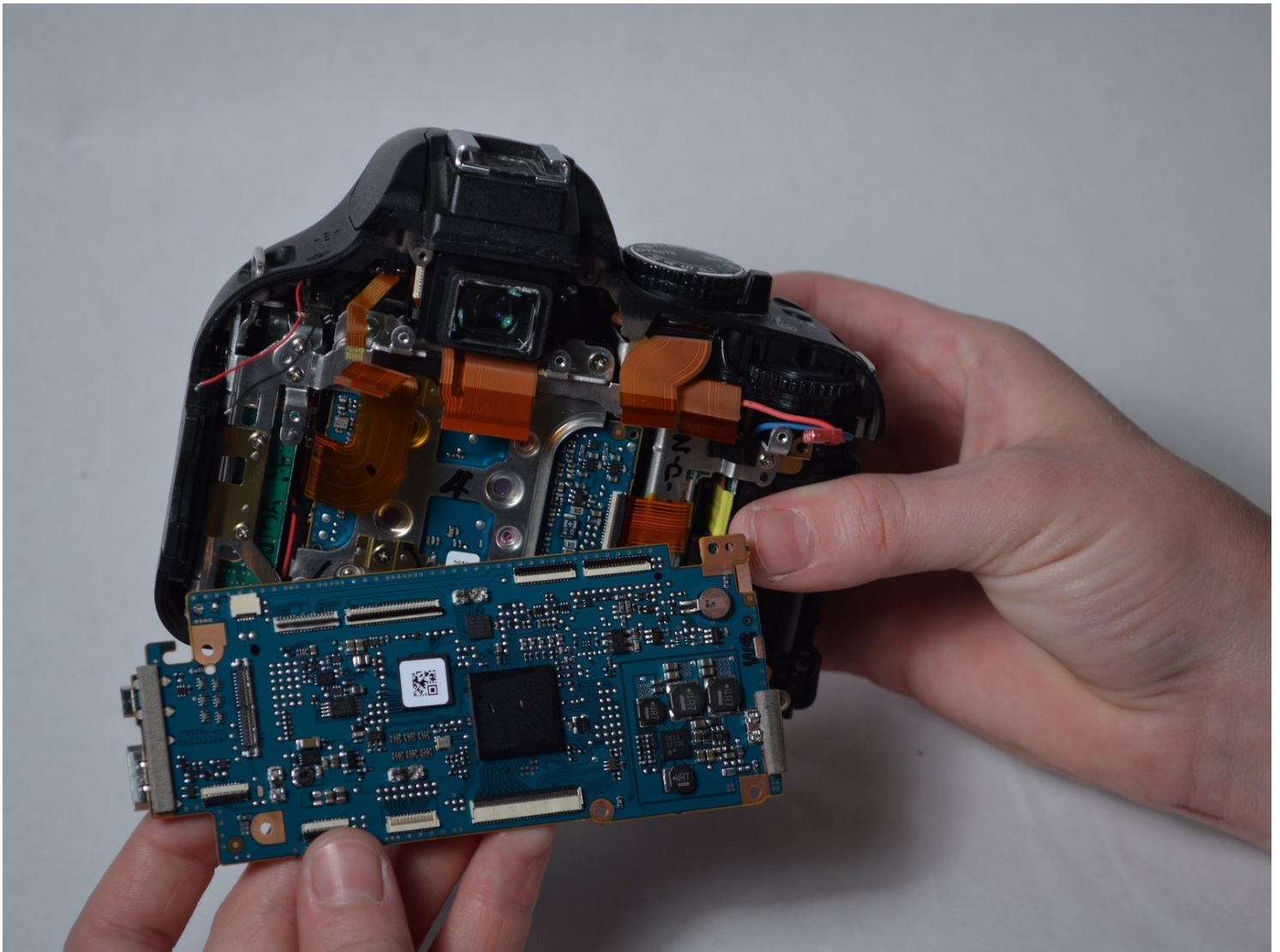




Nikon D5200 Motherboard Or Camera Back Replacement

This guide takes you through a step-by-step...

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INTRODUCTION

This guide takes you through a step-by-step process to replace your camera's motherboard. The first seven steps can also be used to replace the camera back, which is a handy way to replace the LCD without having to de-solder any wires. If you are going the whole way and replacing the motherboard, you will need to use a soldering iron during this process, in which case be sure to use caution when doing so!

TOOLS:

[Soldering Iron](#) (1)
[iFixit Opening Tool](#) (1)
[Metal Spudger](#) (1)
[Tweezers](#) (1)
[64 Bit Driver Kit](#) (1)

Step 1 — Remove Battery, SD Card, Bottom Screws.



- Remove the three 3.5-mm screws from the underside of the camera that are circled.
- Remove the battery, and any SD card that is in the camera.

Step 2



- Remove the 7-mm screws from either side of the camera.

Step 3



- Gently pry back the rubber pad on the back of the camera with a metal spudger or other tool, or your fingernail, to reveal a hidden screw.
- Remove the 4-mm screw.

Step 4



- If a rubber guard is present around the viewfinder, press upward on the guard to remove it.
- Remove the three 7mm screws around the viewfinder.

Step 5



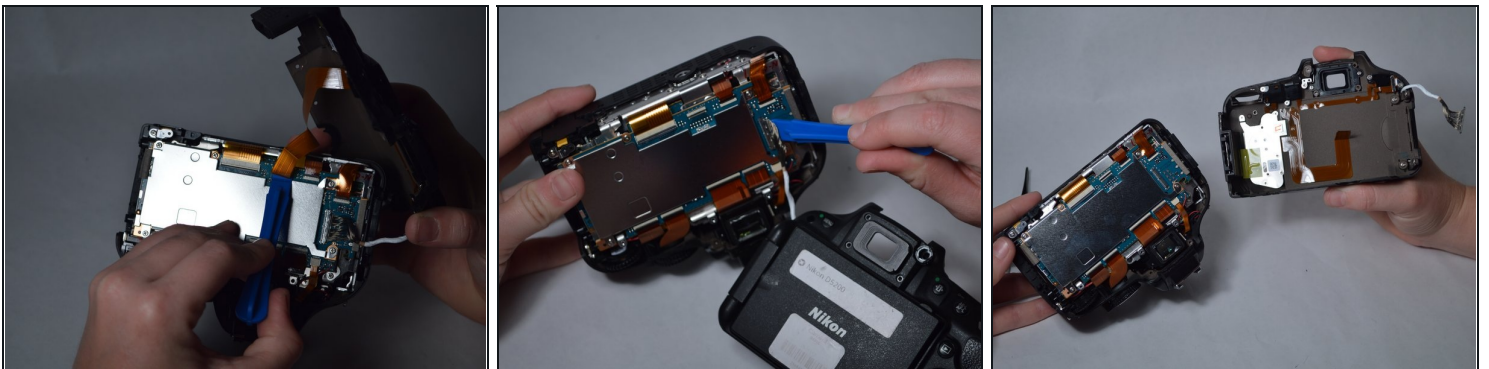
- Carefully use a metal spudger to remove the cap from the dioptic adjustment dial to reveal a screw. Note that you are only removing the cover -- the insert on the dial that has the "+/-" on it -- not the entire knurled ring.
- Remove the 12-mm screw.

Step 6



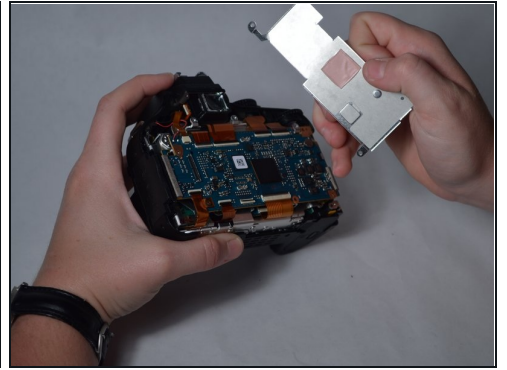
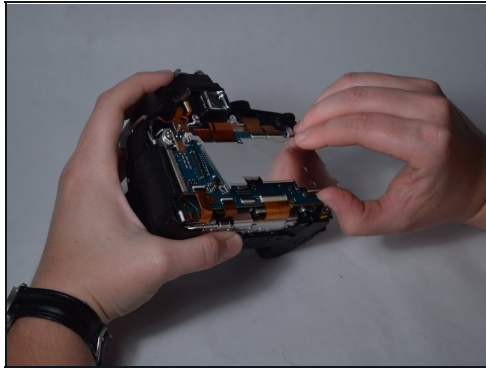
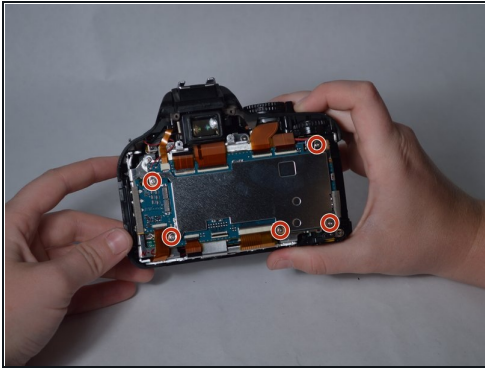
- Once all screws have been removed, carefully pull the casing apart. Take care not to pull any wires apart.

Step 7



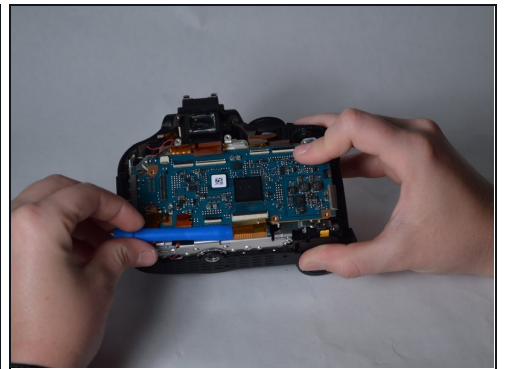
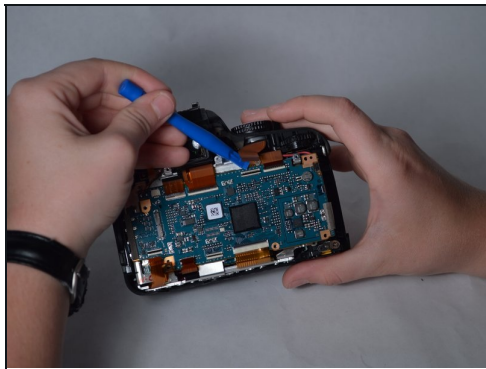
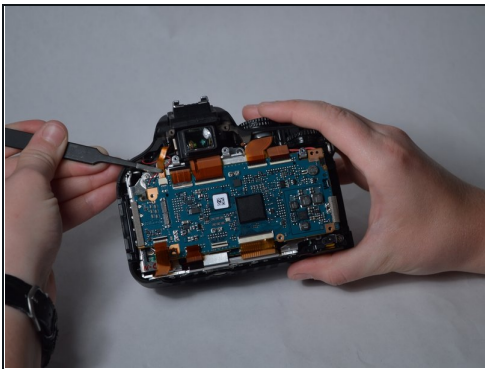
- Use a plastic opening tool to unplug the two ribbon cables connecting the two parts of the casing.
- The orange-brown ribbon cable has a tiny brown plastic latch/door that flips up to release the cable. The silver ribbon is simply pressed into place; the ends are the safest point to gently pry it off to avoid damaging its wires.
- If you are only replacing the camera back, stop here and reverse the preceding steps to install the new back.

Step 8



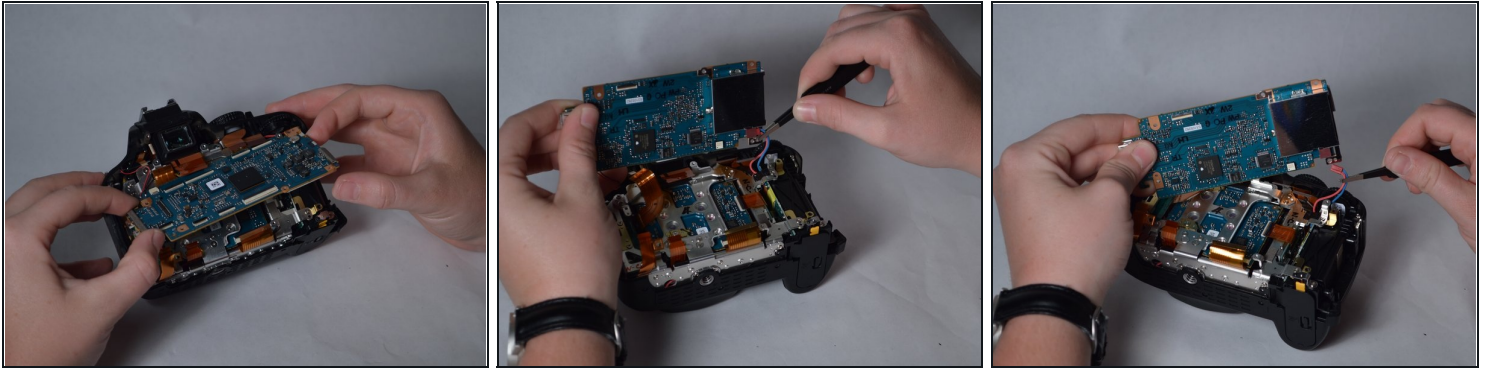
- Remove the 3.5-mm screws around the edges of the metal plate covering the motherboard.
- Pull the metal plate off and away from the motherboard.

Step 9



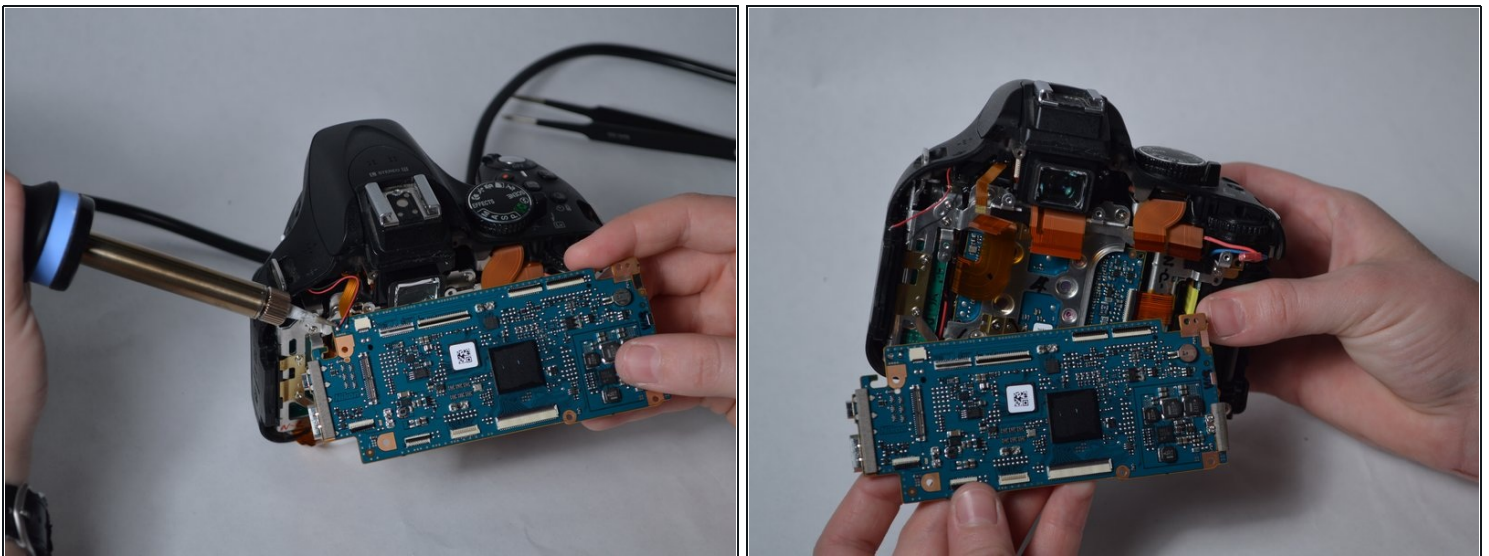
- Use [tweezers](#) to remove the small cable in the top-left corner of the motherboard from its socket.
- Use a plastic opening tool to unplug the remaining ribbon cables.

Step 10



- Remove the motherboard from its seat and lift it up.
- Unplug the red and blue wires from their socket.

Step 11



- Desolder the small wires in the upper-left corner of the motherboard.

⚠ Soldering irons become very hot when in use. Take all necessary precautions to avoid injury.

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