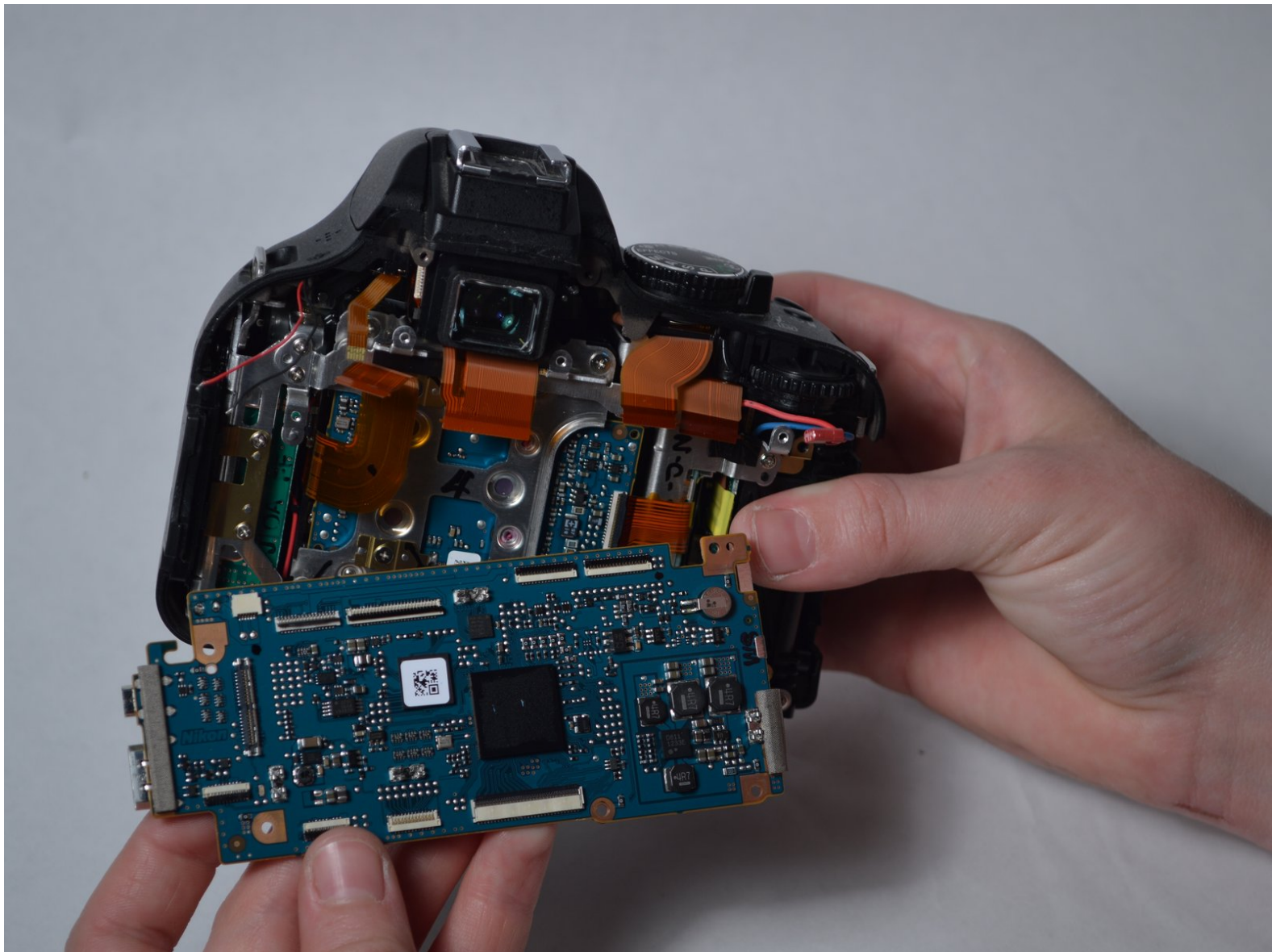




# Nikon D5200 Motherboard Or Camera Back Replacement

This guide explains how to replace the D5200 motherboard. This can also be used to replace the camera back, including the LCD, without soldering.

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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 Tools](#) (1)
  - [Metal Spudger](#) (1)
  - [Tweezers](#) (1)
  - [64 Bit Driver Kit](#) (1)
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## 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.

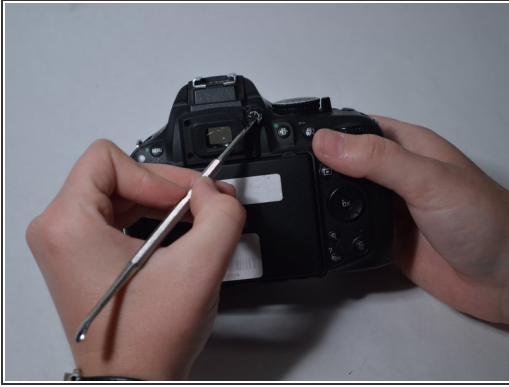
### Step 4



- 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



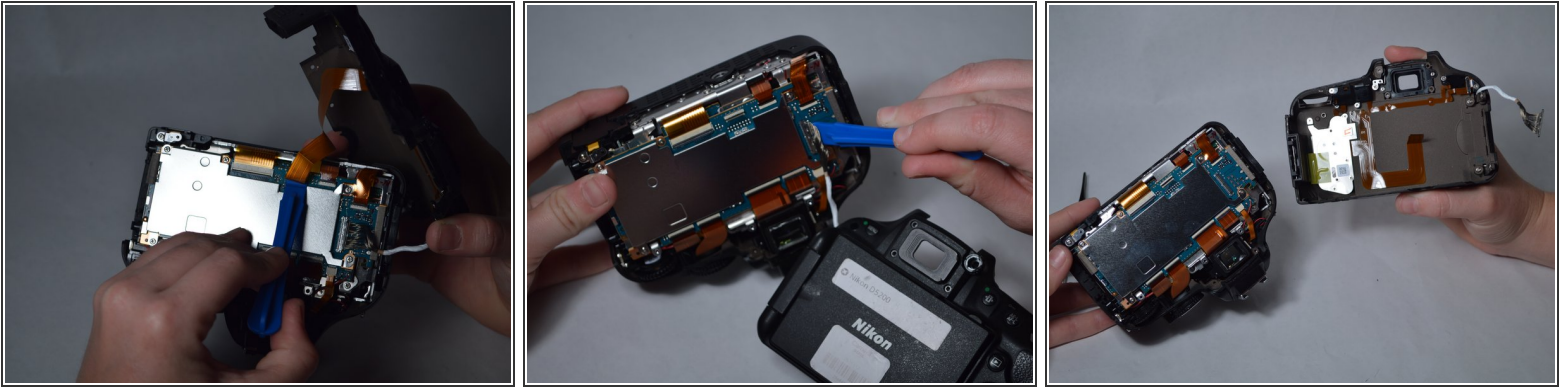
- Carefully use a metal spudger to remove the cap from the dioptic adjustment dial to reveal a screw. Note that you are only removing the cover -- the insert on the dial that has the "+/-" on it -- not the entire knurled ring.
- Remove the 12-mm screw.

## Step 6



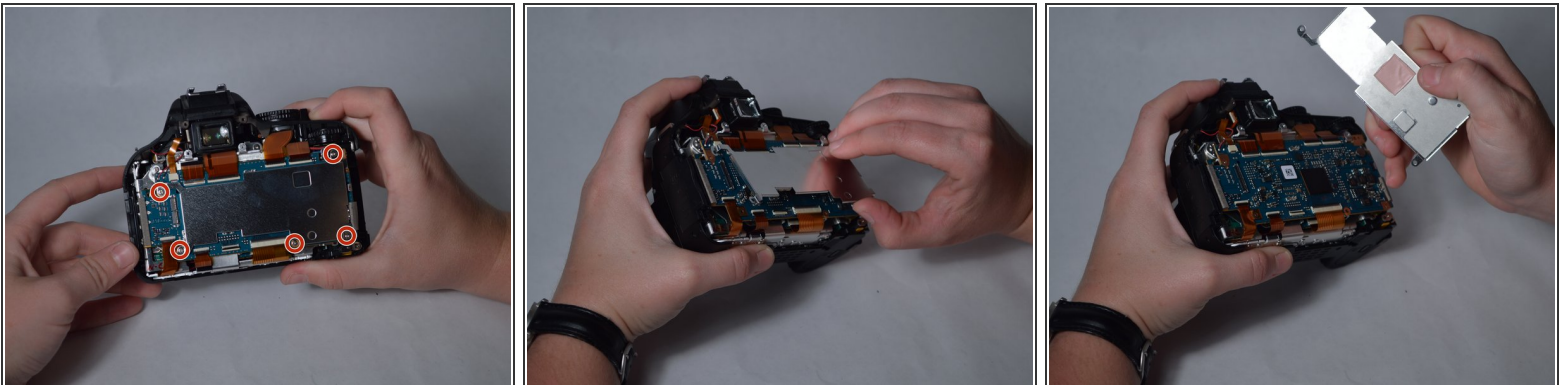
- Once all screws have been removed, carefully pull the casing apart. Take care not to pull any wires apart.

## Step 7



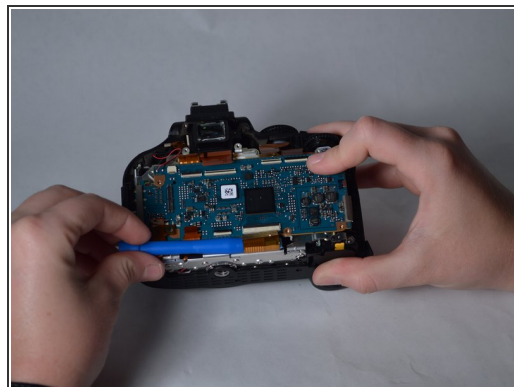
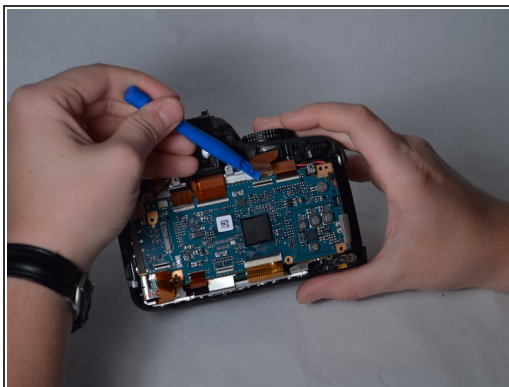
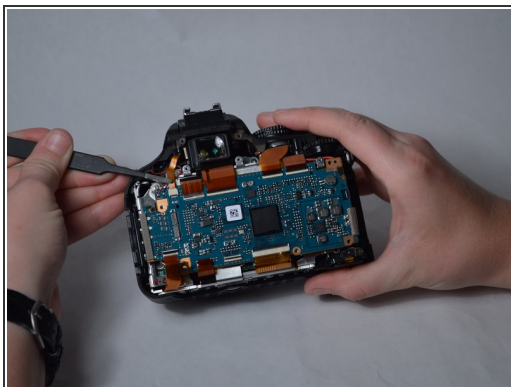
- Use a plastic opening tool to unplug the two ribbon cables connecting the two parts of the casing.
- The orange-brown ribbon cable has a tiny brown plastic latch/door that flips up to release the cable. The silver ribbon is simply pressed into place; the ends are the safest point to gently pry it off 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



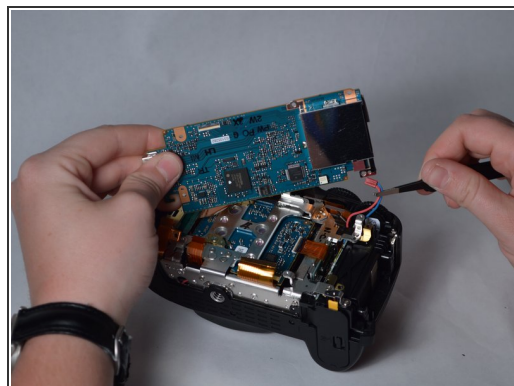
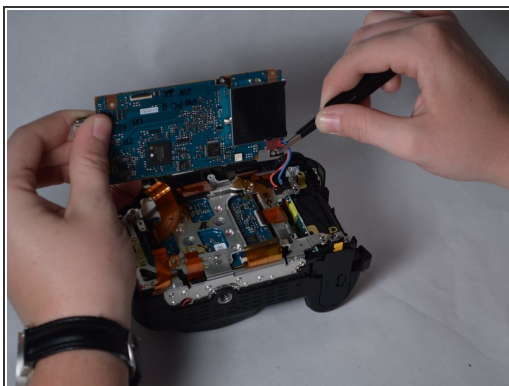
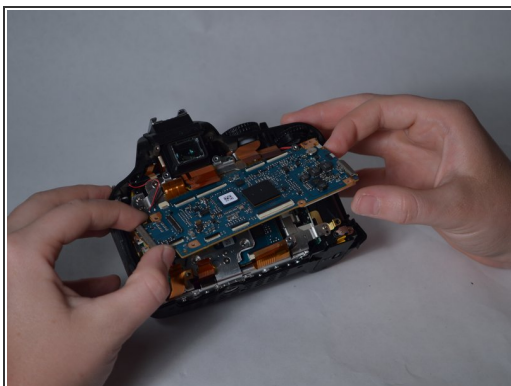
- Remove the 3.5-mm screws around the edges of the metal plate covering the motherboard.
- Pull the metal plate off and away from the motherboard.

## 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.

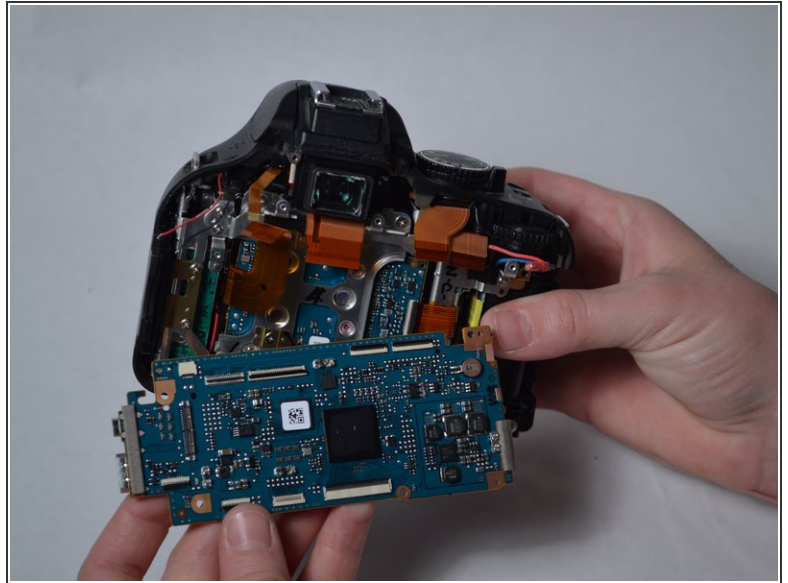
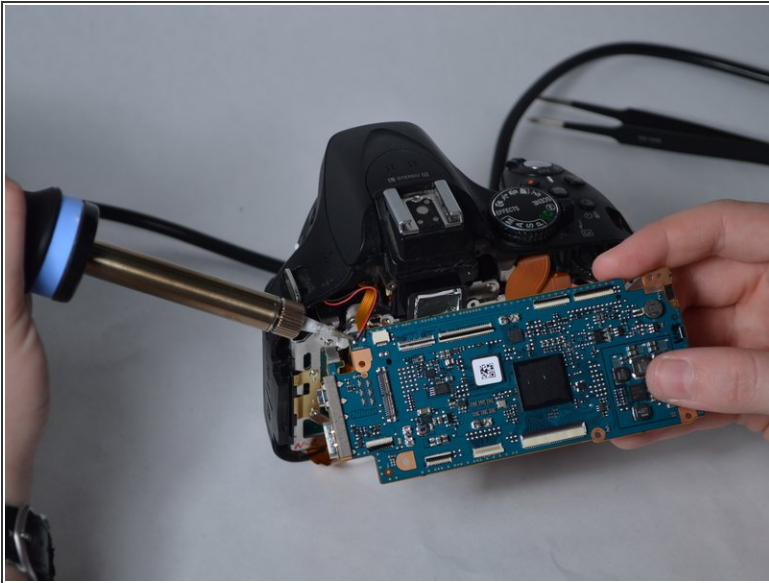
## Step 10



- 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.