



Dell Photo Printer 540 Mother Board Replacement

In this repair guide you will be able to install a new mother board into the printer.

Written By: Cory Peterson



INTRODUCTION

In this repair guide you will be able to install a new mother board into the printer.

TOOLS:

- [Phillips #1 Screwdriver \(1\)](#)
- [Phillips #2 Screwdriver \(1\)](#)

Step 1 — Case



- Rotate the photo printer so that the bottom of the case faces upward.

Step 2



- Use a Phillips #2 screwdriver to remove the three 5.65 mm screws on the bottom panel of the case in a counter-clockwise fashion.

Step 3



- Rotate the device so that it is upright again. Under the LCD Panel there is a 9.62 mm screw, unscrew using a Phillips #2 screwdriver.

Step 4



- Remove the back panel of the case by pulling directly back.

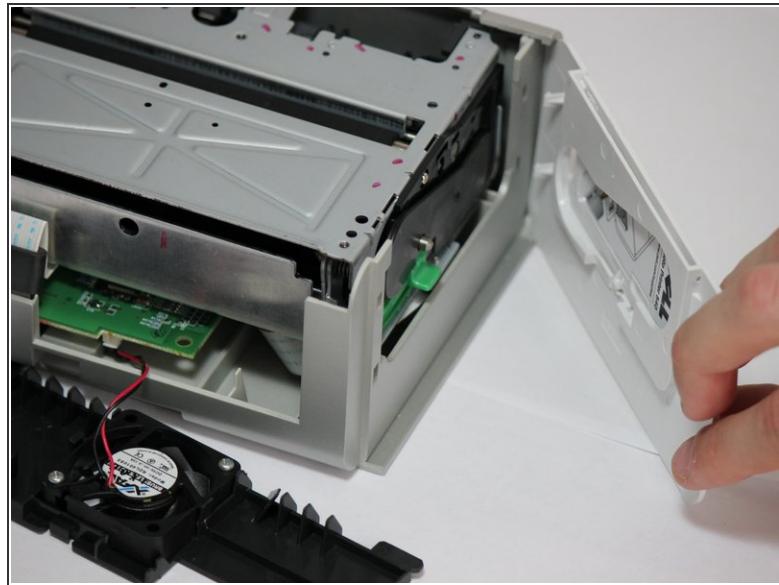
i Some carefully applied force may be required to remove this part.

Step 5



- Rotate the photo printer so that the bottom panel faces up once again. Now lift off the bottom panel of the case to access all internal components.

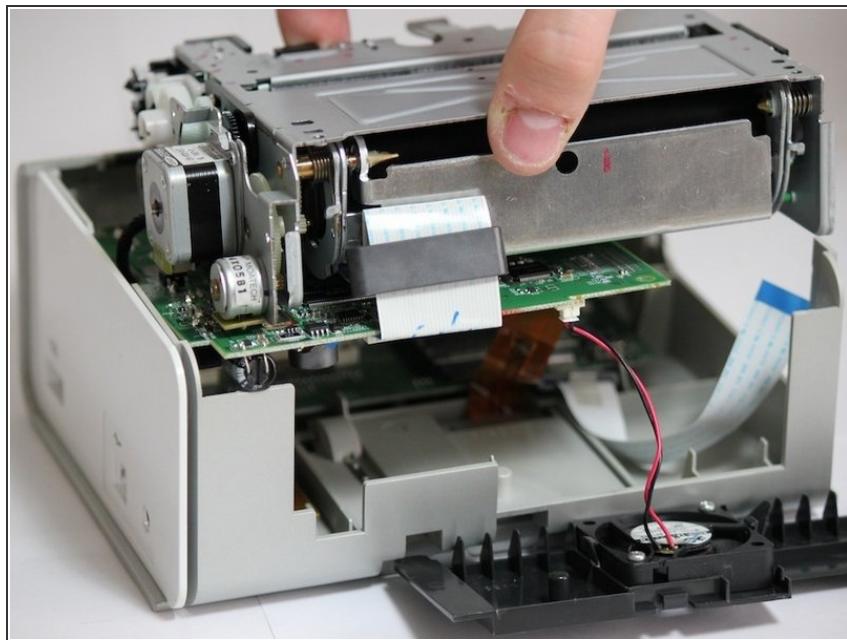
Step 6



- Finally remove the side panel with the ink-cartridge door by holding the right side and pulling backwards with the left side.

⚠ Caution! The side panel is held in by tabs; don't break these.

Step 7 — Cooling Fan



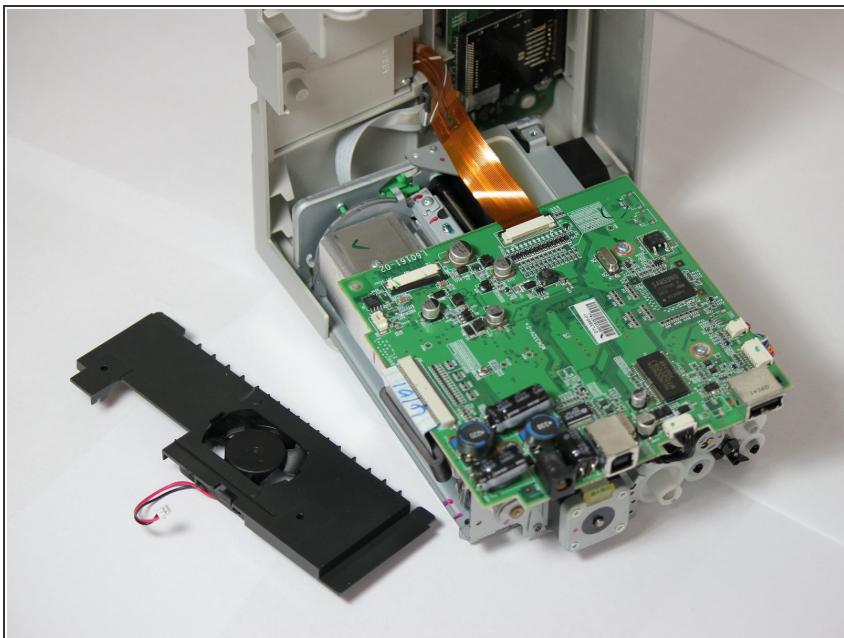
- Carefully remove the inner components of the device by lifting the inner components up and out of the casing.

Step 8



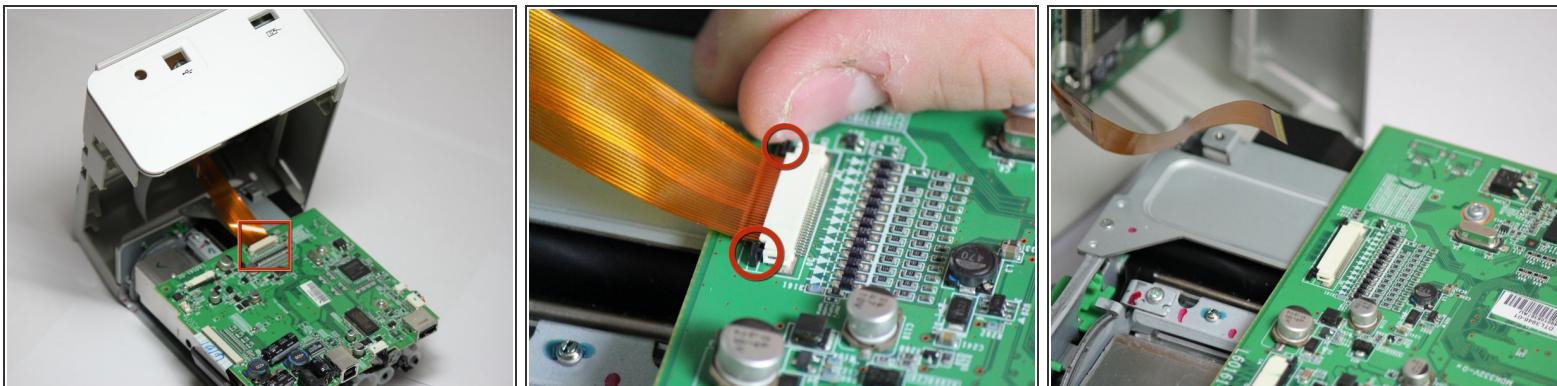
- Locate the red and black cable that is connecting the fan to the top of the logic board.

Step 9



- Carefully, remove the red and black cable from the logic board by pulling gently in order to isolate the cooling fan from the device.

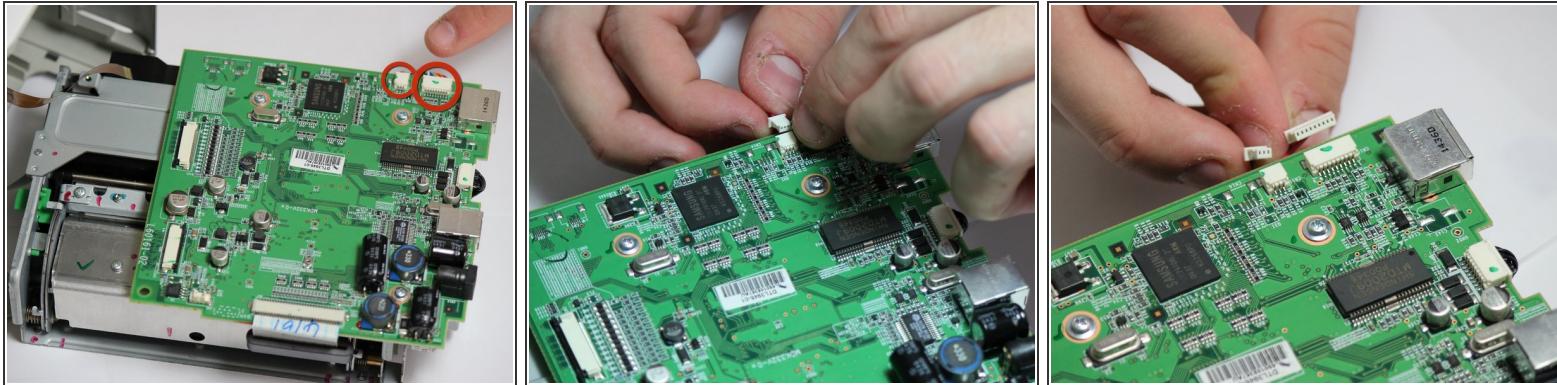
Step 10 — Mother Board



- Locate the data ribbon that connects the LCD panel to the mother board.
- Loosen the fasteners next to the ribbon by carefully pushing them away from the white ribbon holder.

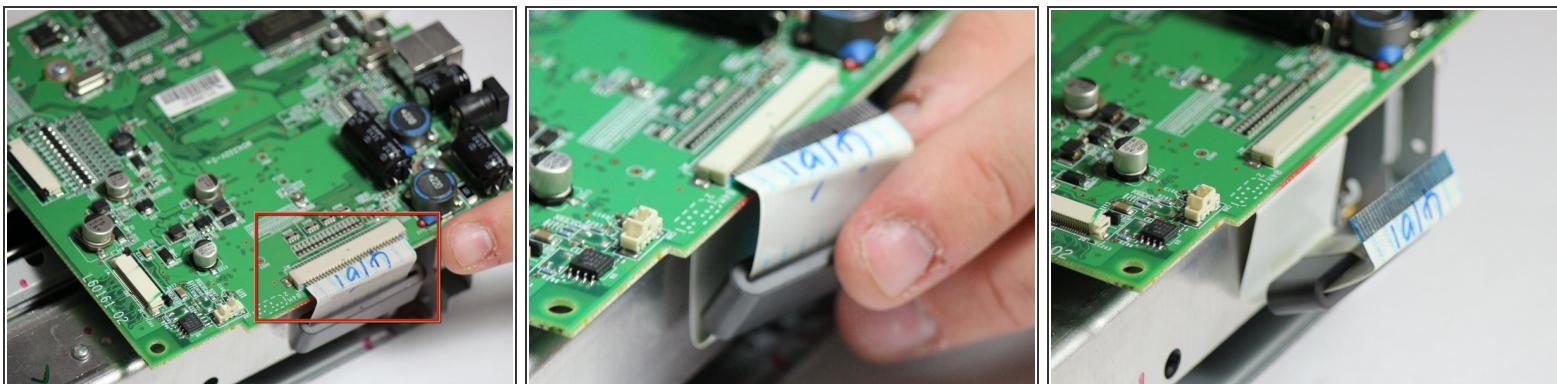
(i) Once the fasteners are loosened the ribbon should easily slide away from the motherboard.

Step 11



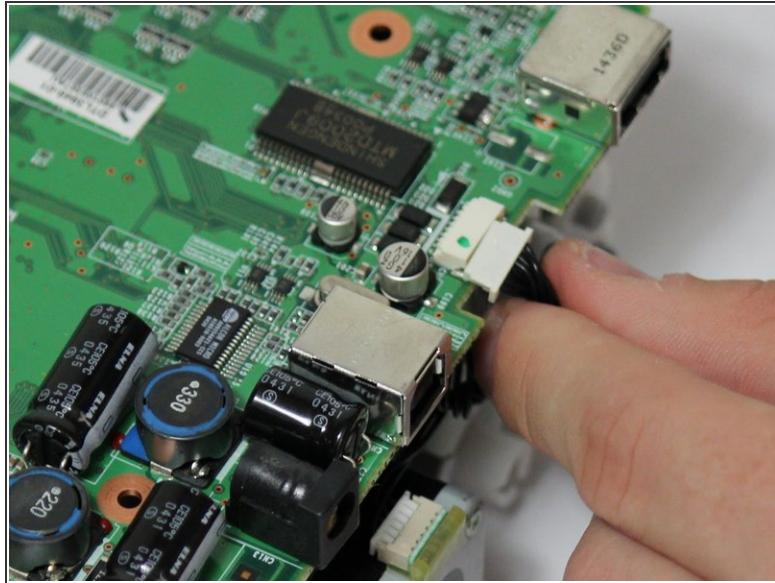
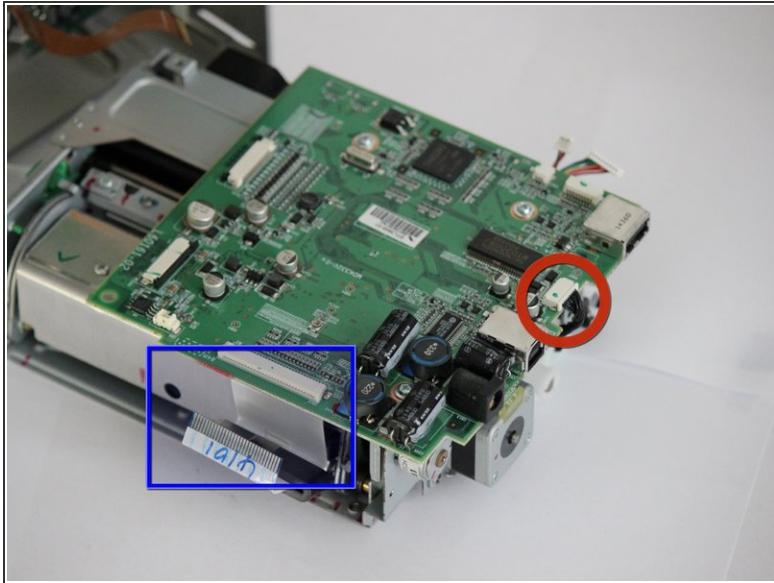
- Locate the clips with multi-colored wires that connect the motherboard to the printing unit.
- *i* Disconnect both of them by gently pulling them away from the motherboard.

Step 12



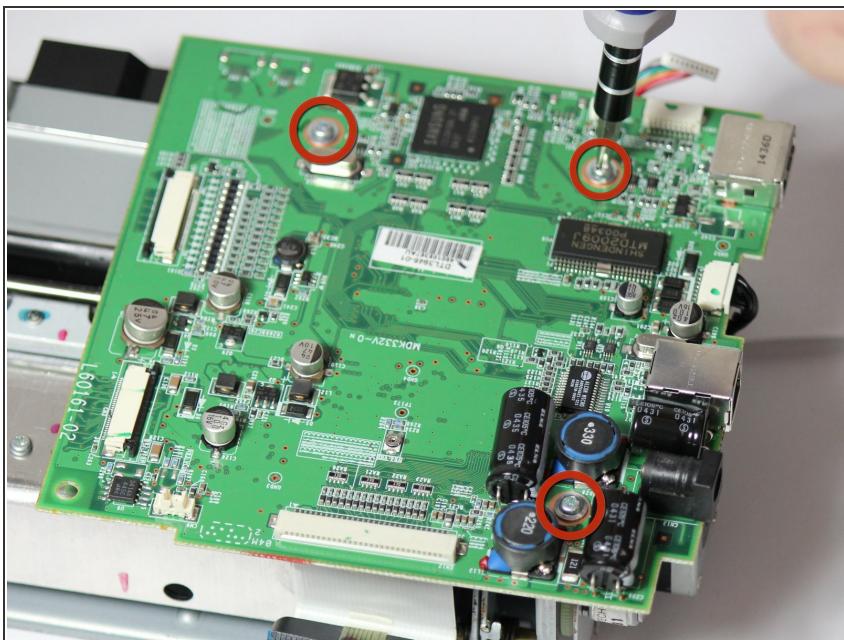
- Locate the white ribbon that connects the motherboard to the printing feed.
- Disconnect the ribbon by gently pulling the ribbon away from the motherboard.

Step 13



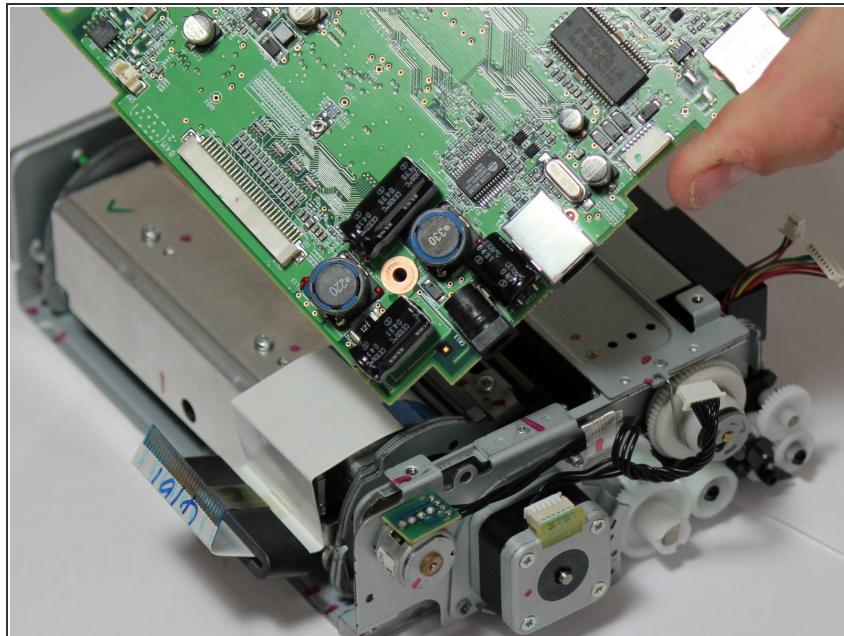
- The mother board has changed orientation. Notice the new orientation based on the white data ribbon we removed in the previous step.
- Locate the black data ribbon that connects the mother board to the printing motors.
- Disconnect it from the logic board, by gently pulling the wire away from the mother board.

Step 14



- Now unscrew the three screws 7.89mm (counter-clockwise) using a Phillips #1 screwdriver.

Step 15



- Once screws and ribbons are disconnected, you can pull mother board away from the printing unit.

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