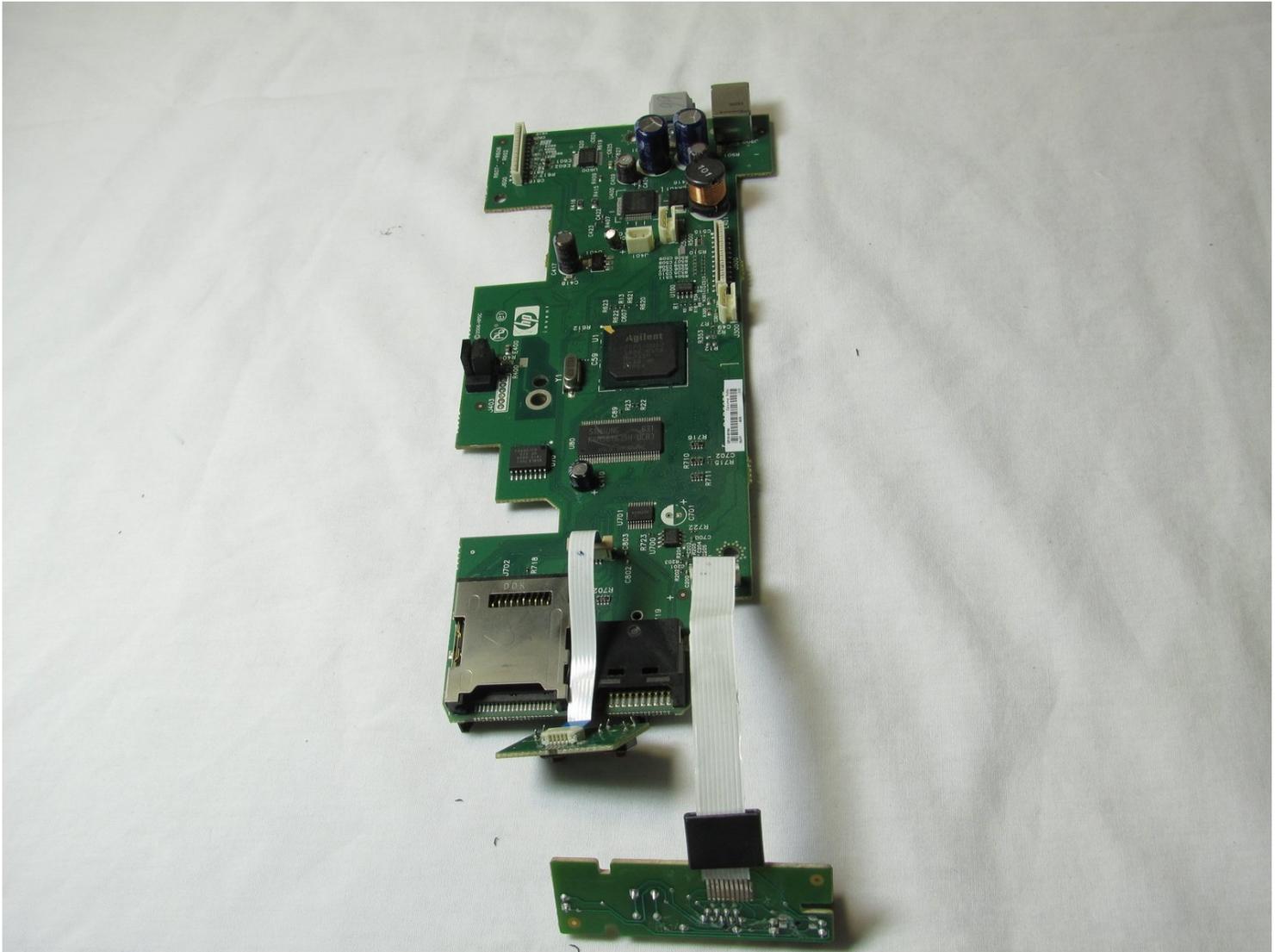




HP Photosmart c3180 Main Circuit Board Replacement

Written By: Jim



 **TOOLS:**

Spudger (1)

TR10 Torx Security Screwdriver (1)

Step 1 — Top Panel of HP Photosmart c3180 printer



- Before disassembling your printer, be sure that the printer has been unplugged to avoid any risk of injury.
- Rotate the printer 90 degrees counter clockwise so that the side panel next to control panel is facing you.
- Remove the two T10 12mm Torx screws from the left side panel.

Step 2



- Firmly pull the the back of the side panel until it separates from the body of the printer.
- Rotate the side panel upwards while pulling it towards yourself to remove the panel.

Step 3



- Rotate the printer 90 degrees clockwise.
- Grasp the paper tray and rotate it down.
- Insert your fingers into the slot in the printer door and pull to rotate the gate down.

Step 4



- Rotate the printer 90 degrees clockwise.
- Remove the two T10 12 mm Torx screws.
- Grasp both sides of the side panel and pull it forward to remove the panel.

Step 5



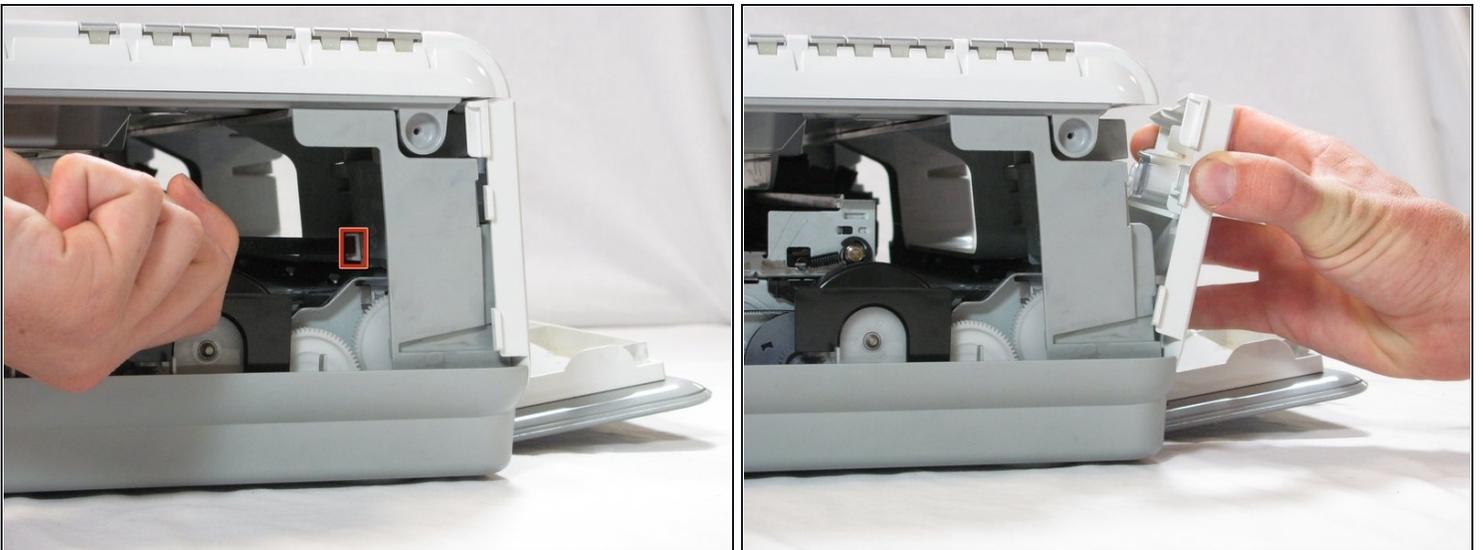
- Rotate the printer 90 degrees counter clockwise.
- Lift the scanner lid to expose the scanner glass.

Step 6



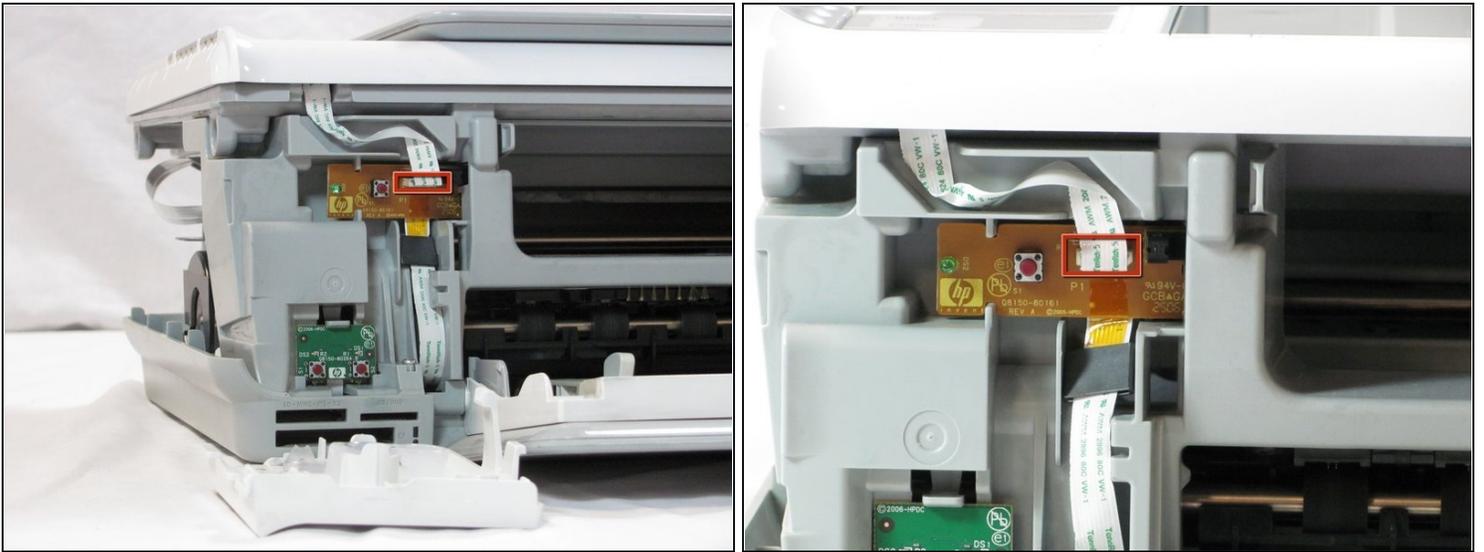
- Remove the two T10 12 mm Torx screws.
- ⚠ Do not attempt to lift the top panel off the printer yet because it is still connected to the printer body by a cable.

Step 7



- Rotate the printer 90 degrees counter clockwise.
- Inside the printer is a small white tab. Press it inward with a spudger until a pop is heard.
- Remove the front panel by grasping its front and pulling away from the printer.

Step 8



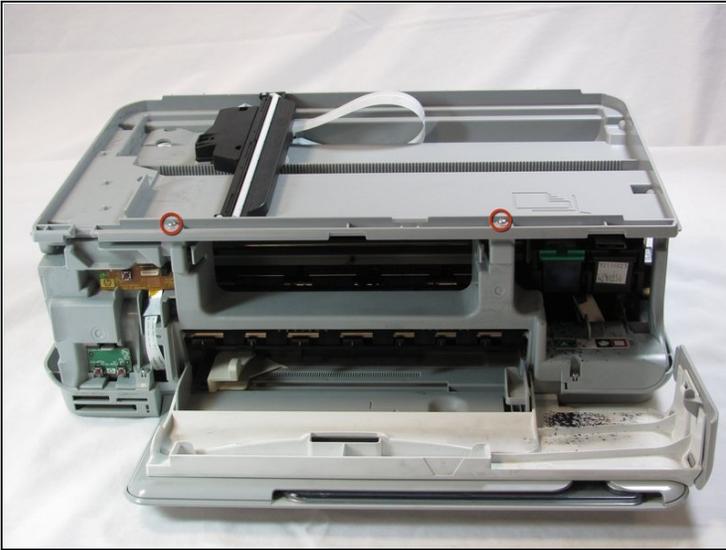
- Rotate the printer 90 degrees clockwise.
- Remove the cable connecting the top panel of the printer to the power button assembly.

Step 9



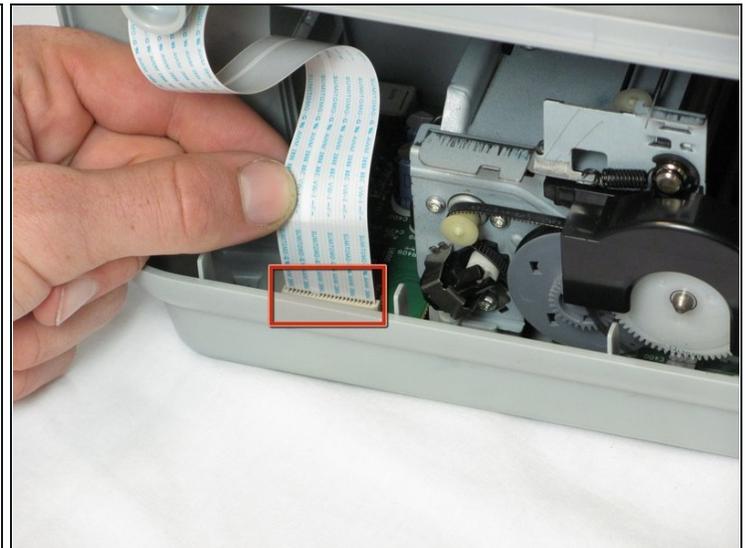
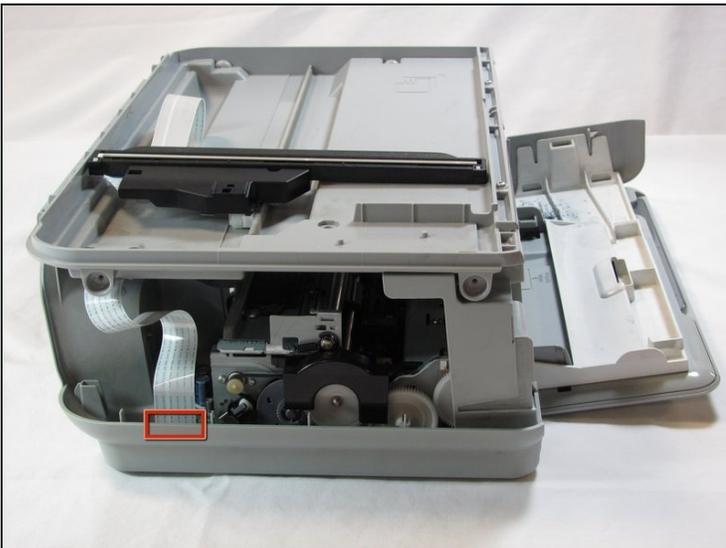
- Carefully lift the top panel of the printer away from the printer body.

Step 10 — Ink Cartridge Track



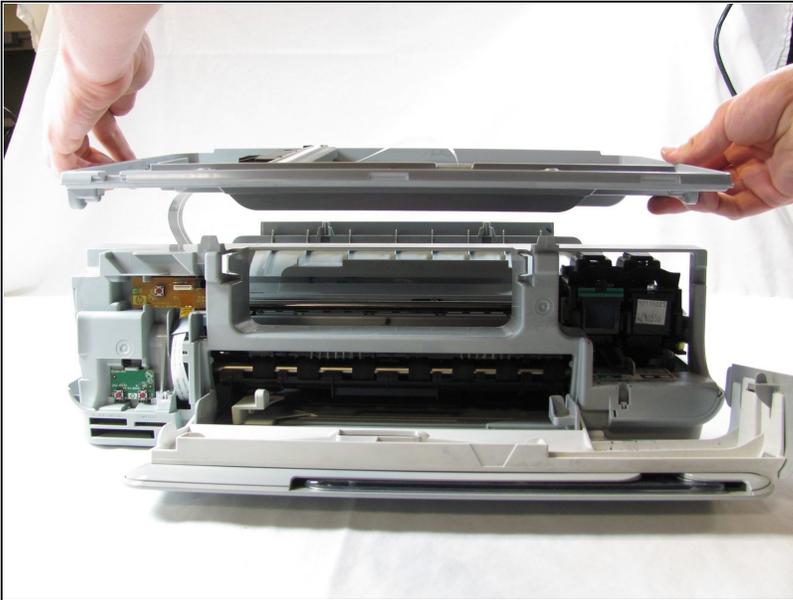
- Set aside the top panel of the printer.
- Remove the two T10 12 mm Torx screws from the top front of the printer

Step 11



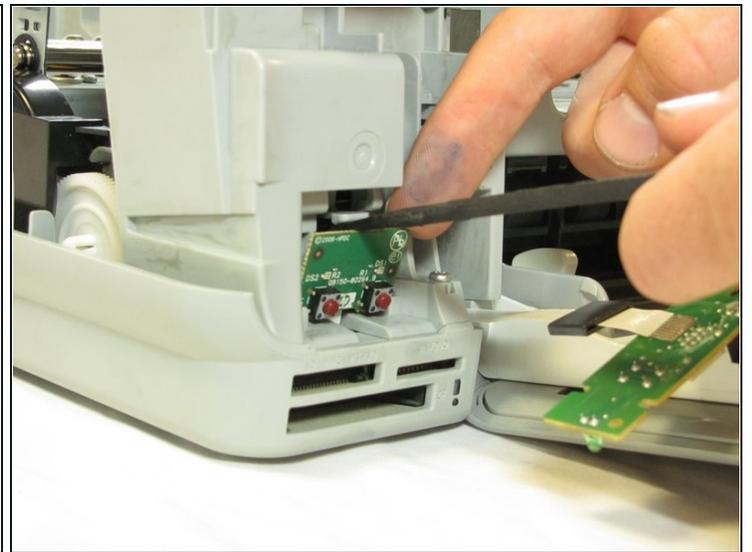
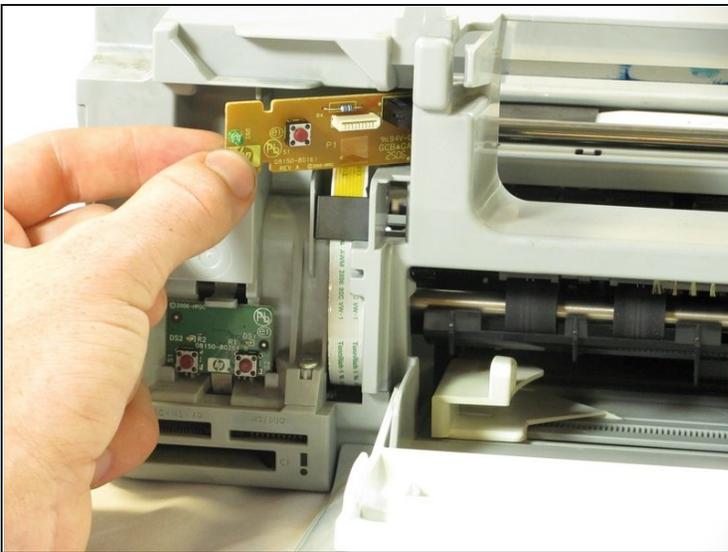
- Rotate the Printer 90 degrees counter clockwise.
- Remove the scanner cable from the main circuit board.
- ⓘ Grasp the bottom of the cable and pull straight up. Do not wiggle it from side to side or twist it as this can damage the connection.

Step 12



- Rotate the printer 90 degrees clockwise.
- Using both hands, lift the scanner tray from the body of the printer.

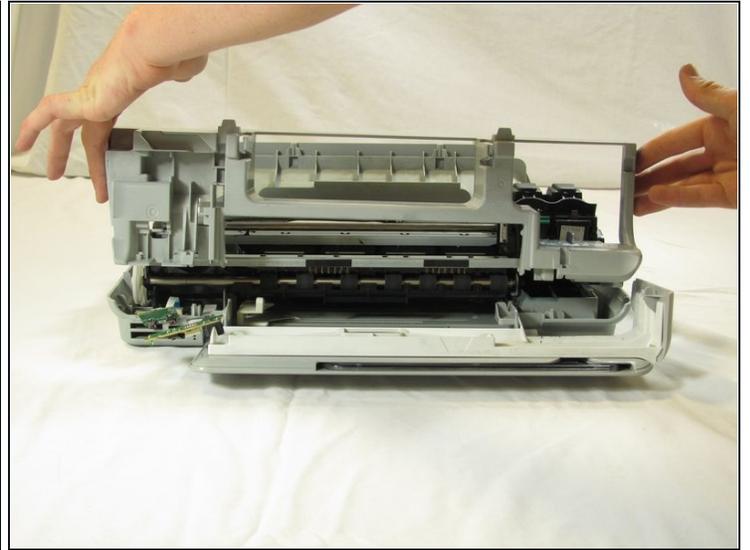
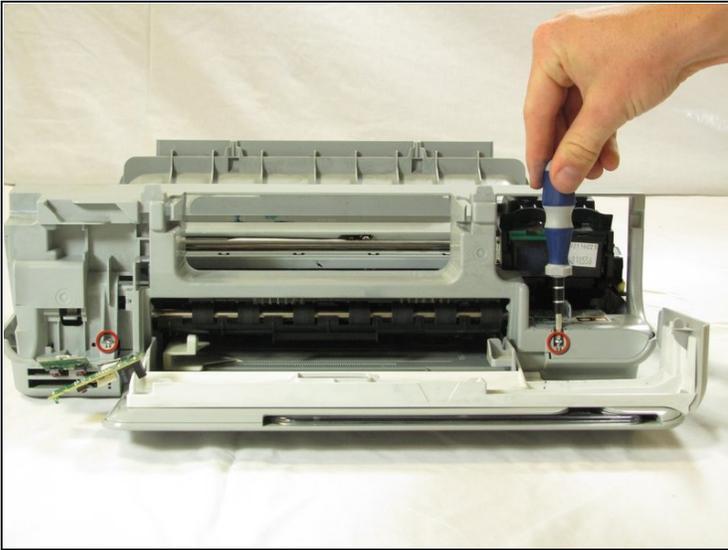
Step 13



- Remove the power button circuit board from the support frame by pinching the left side, and pulling forward and to the left simultaneously.
- Push up on the tab holding the secondary control circuit board with the spudger and pull it forward to remove it.

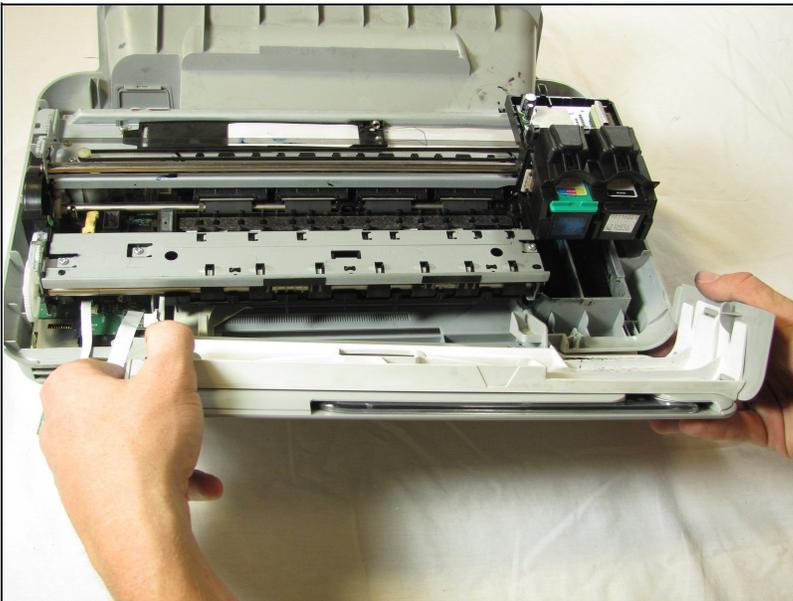
⚠ Be careful not to pull too hard on the cable connecting the power button control circuit board and the secondary control circuit board to the main circuit board

Step 14



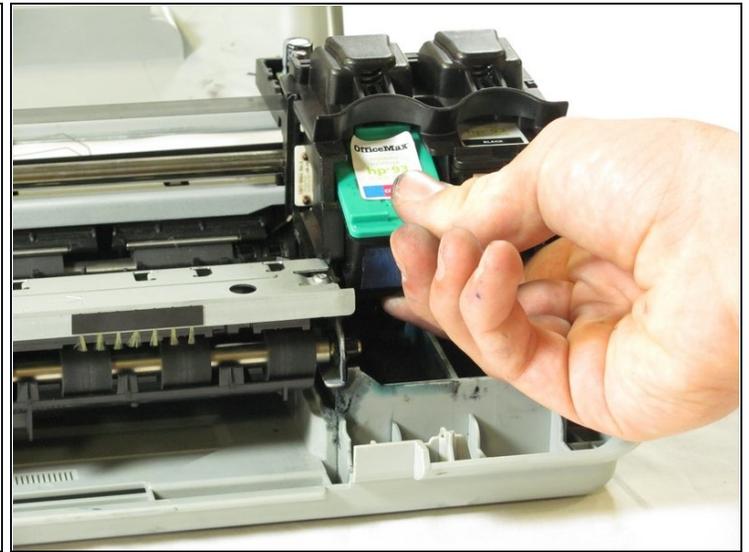
- Remove the two T10 12 mm Torx screws.
- Lift the support frame off of the printer body with both hands.

Step 15



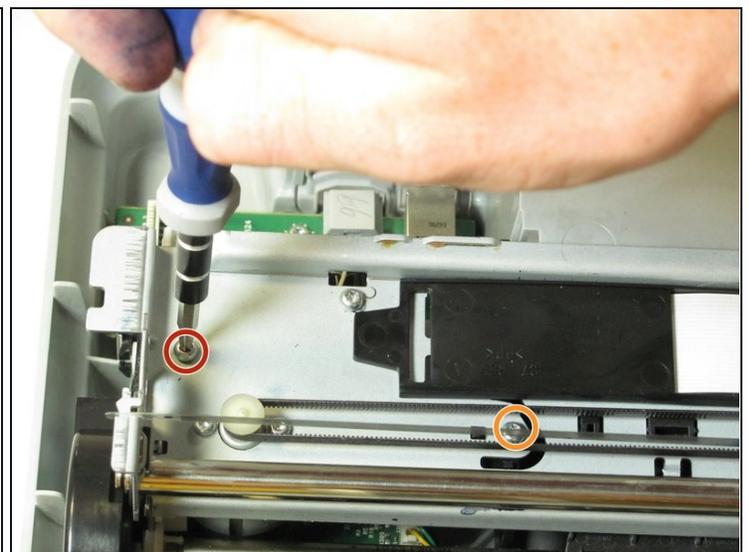
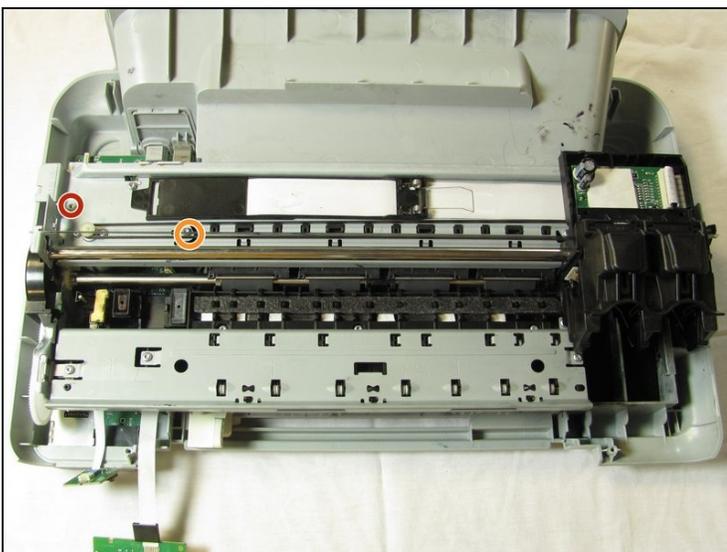
- Remove the printer door and paper tray by putting them in the closed position and not laying flat then rotating them upwards lift the left side up.

Step 16



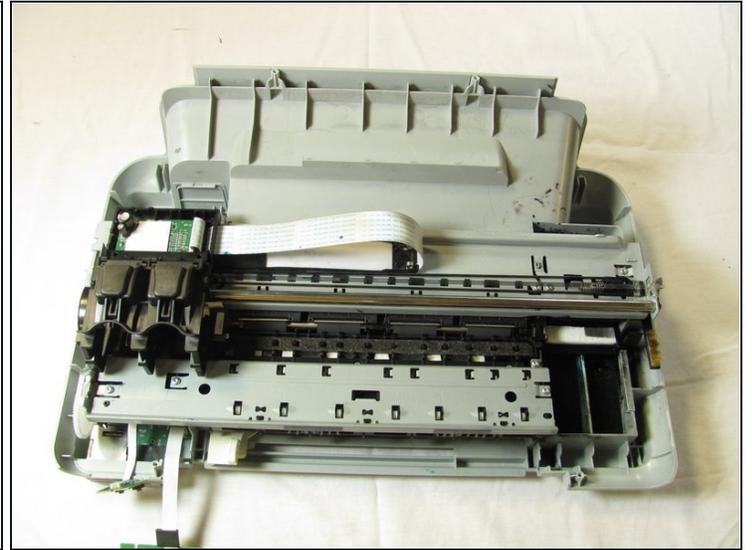
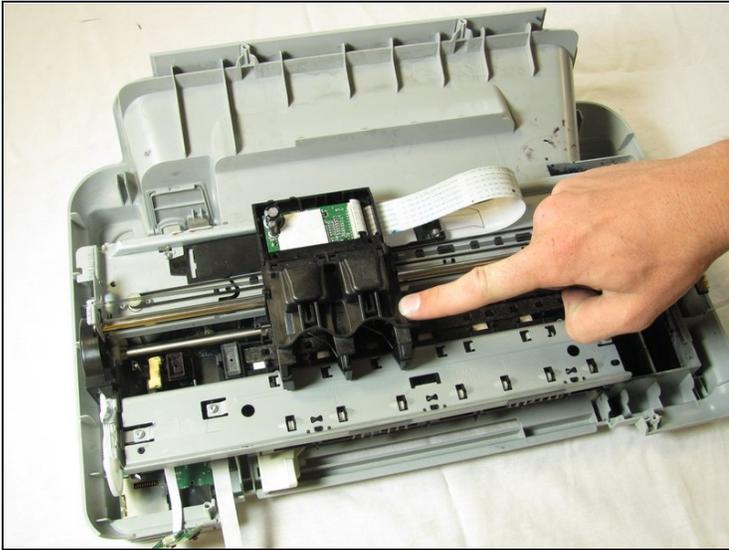
- Remove both of the ink cartridges by grabbing the front of the ink cartridge and pulling down.
- ⓘ Make sure that the printer carriage is pushed all the way to the right.

Step 17



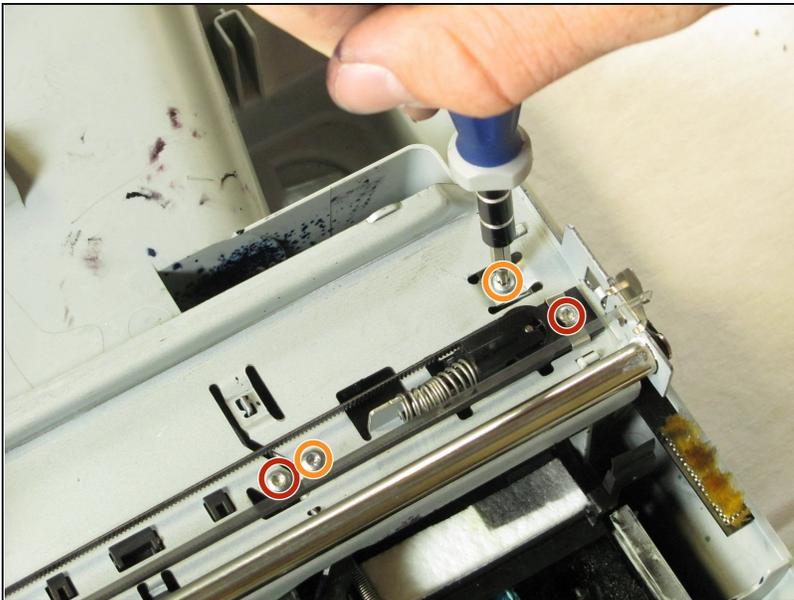
- Remove the T10 6 mm Torx screw on the left side of the track assembly.
- Remove the T10 12 mm Torx screw on the left side of the track assembly.

Step 18



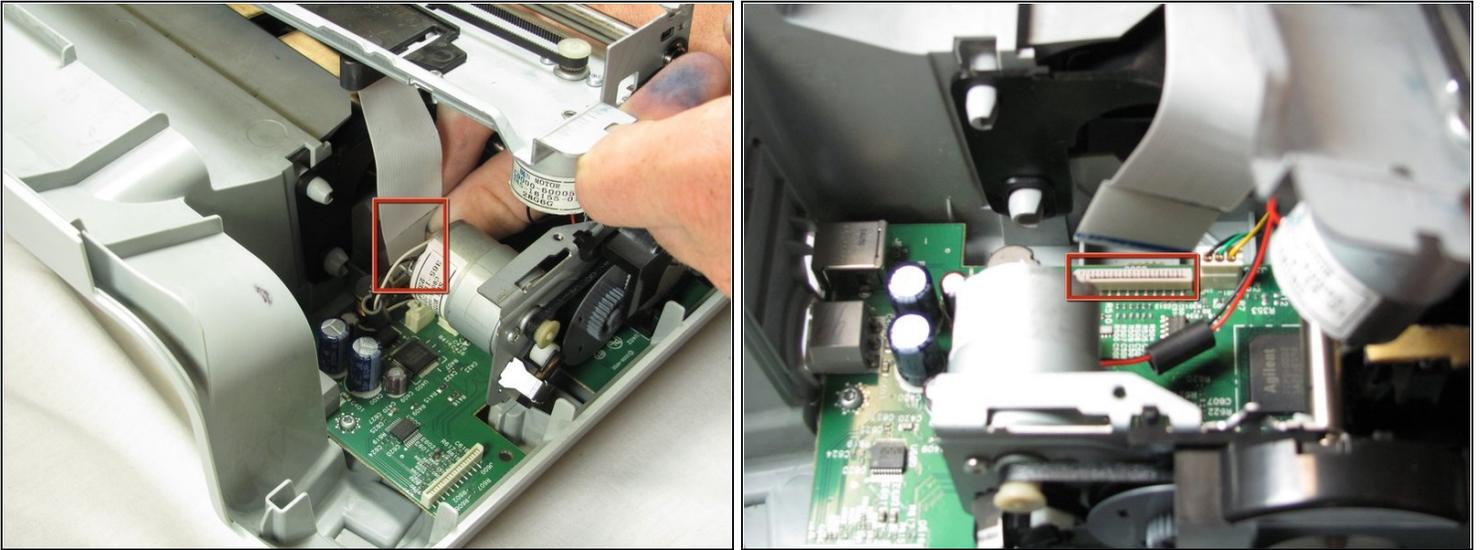
- Gently push the ink cartridge carriage to the left side of the printer.

Step 19



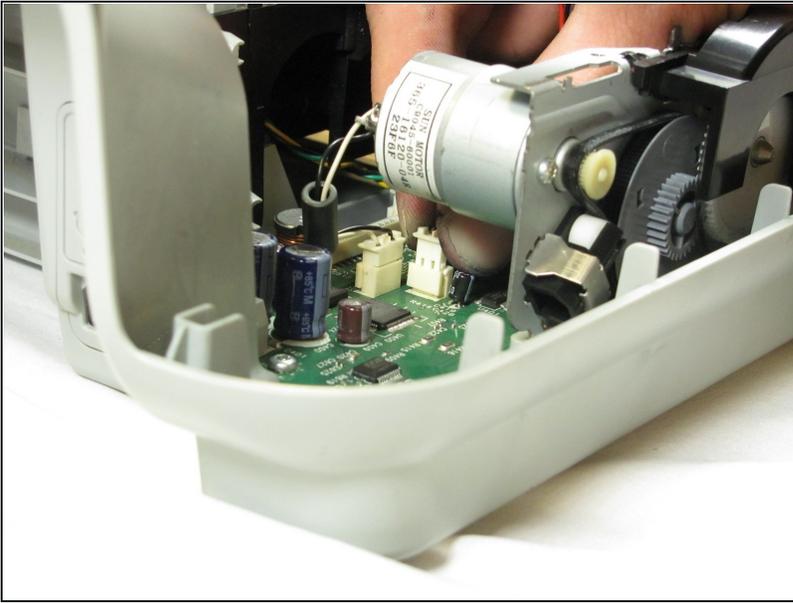
- Remove the two T10 12 mm Torx screws.
- Remove the two T10 6 mm Torx screws.

Step 20



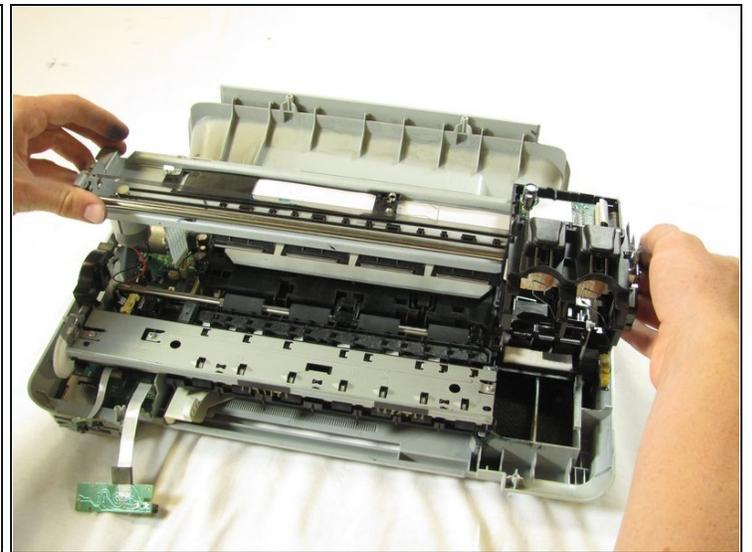
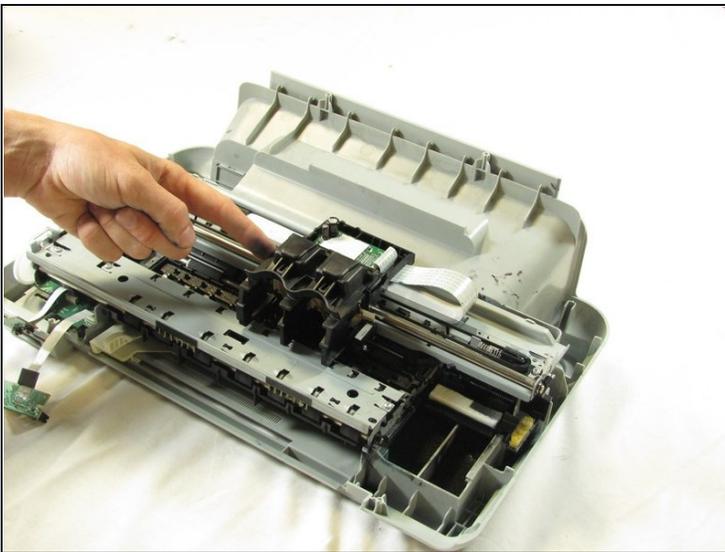
- Rotate the printer 90 degrees counter clockwise.
- Remove the cable connecting the ink cartridge carriage to the main circuit board.
- ⚠ Pull straight up to free the cable from the main circuit board. Do not twist or wiggle the cable as doing so can damage it.
- ⓘ You may need to lift the carriage up with one hand in order to reach the cable with the free hand as shown.

Step 21



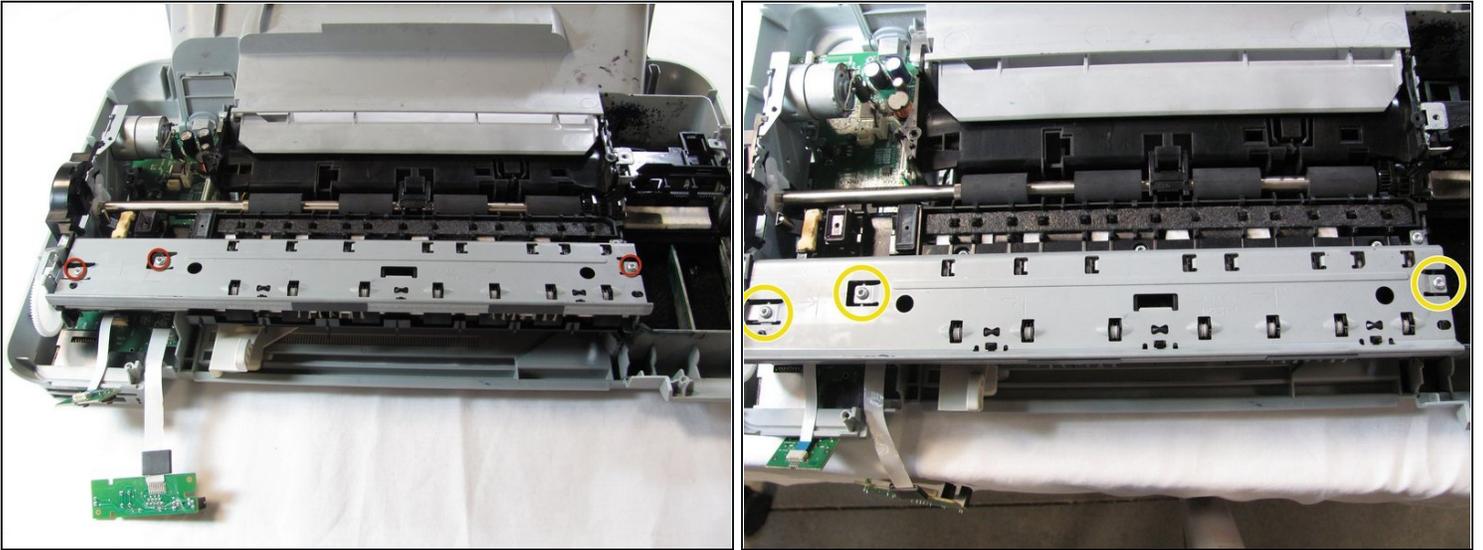
- Carefully remove the connector holding the drive motor wires to the main circuit board.

Step 22



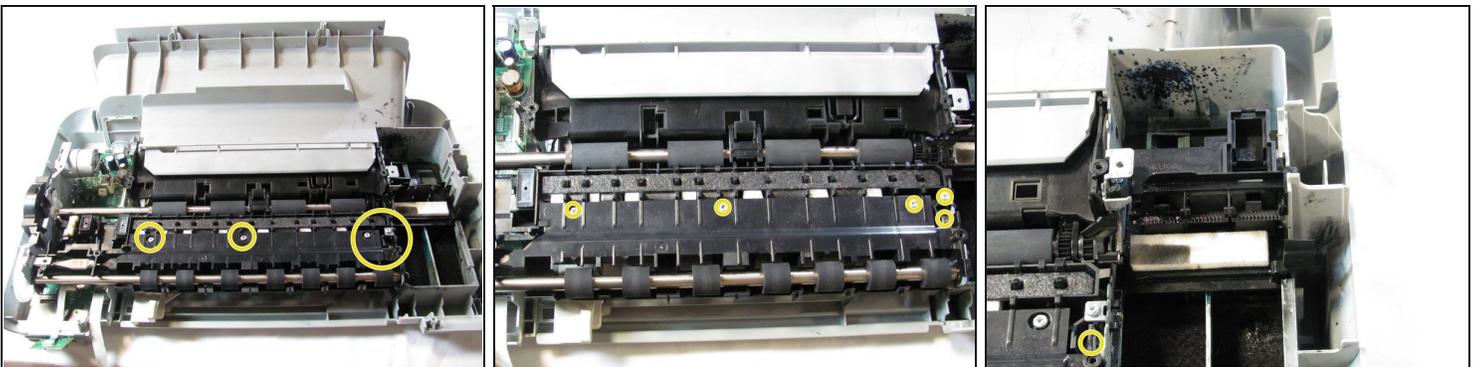
- Slide the ink cartridge carriage all the way to the right side of the printer.
- Using both hands, carefully lift the ink cartridge track off of the main body of the printer.

Step 23 — Feed Roller Assembly



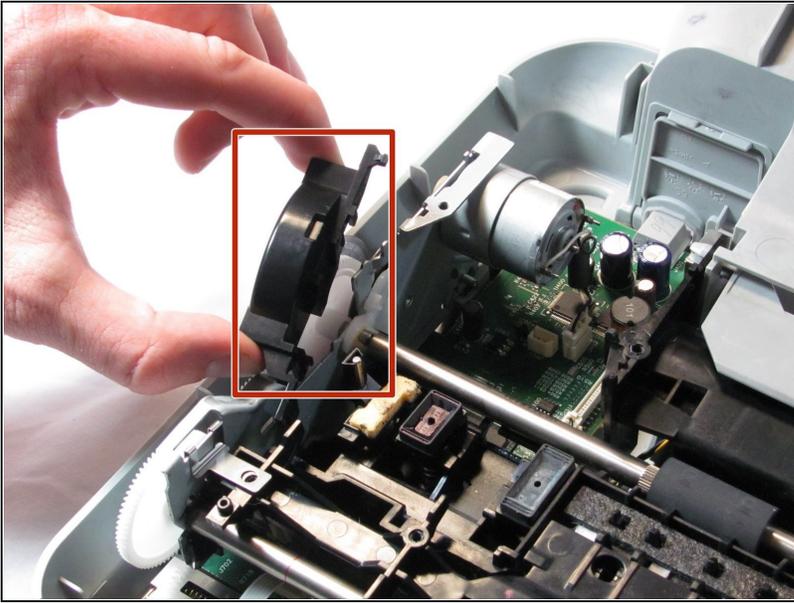
- Set aside the ink cartridge carriage.
- Remove the three T10 12mm Torx screws holding the paper guide to the printer body.
- Lift the paper guide directly up to remove it and set it aside.

Step 24



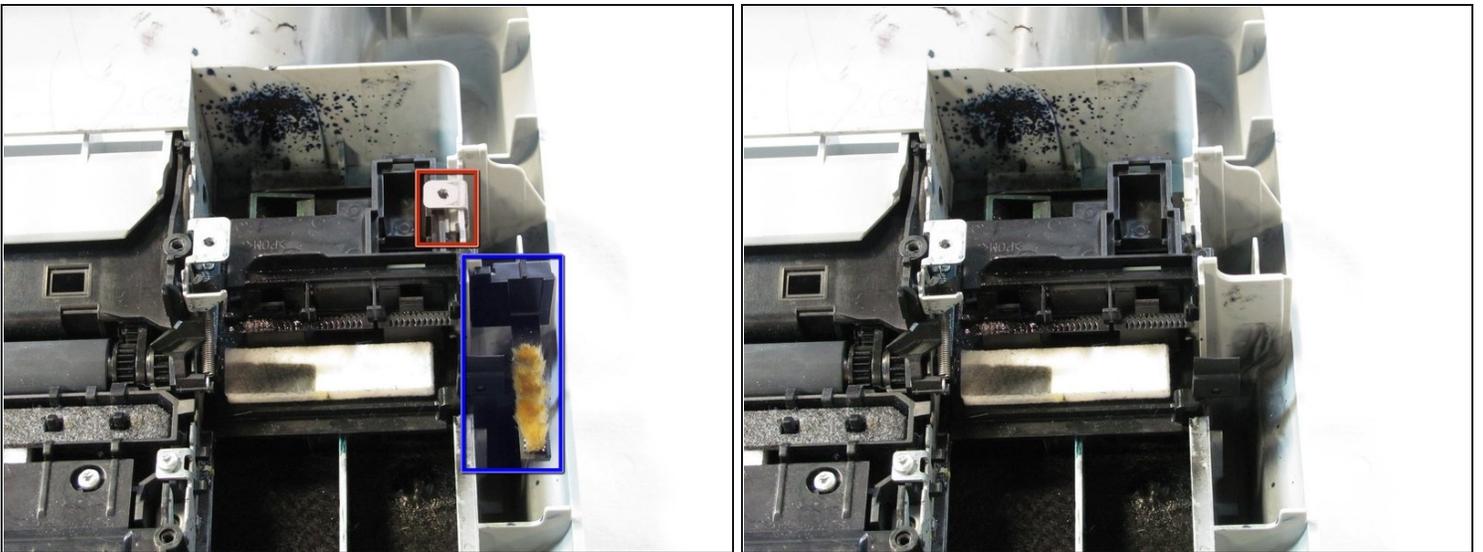
- Remove the five T10 12mm Torx screws from the roller holder.
- ⓘ **5th screw is located in deeper crevice.**

Step 25



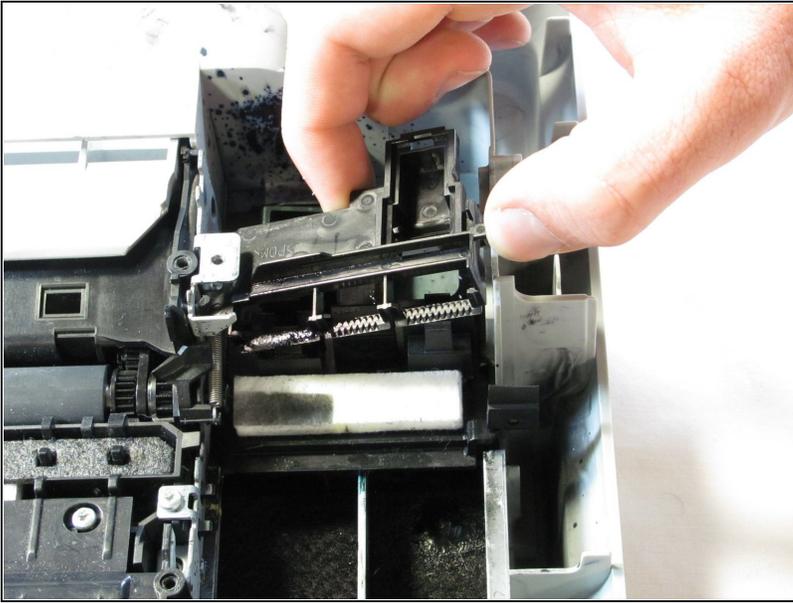
- Remove the plastic gear cover by pulling it away from the printer body and lifting it up.

Step 26



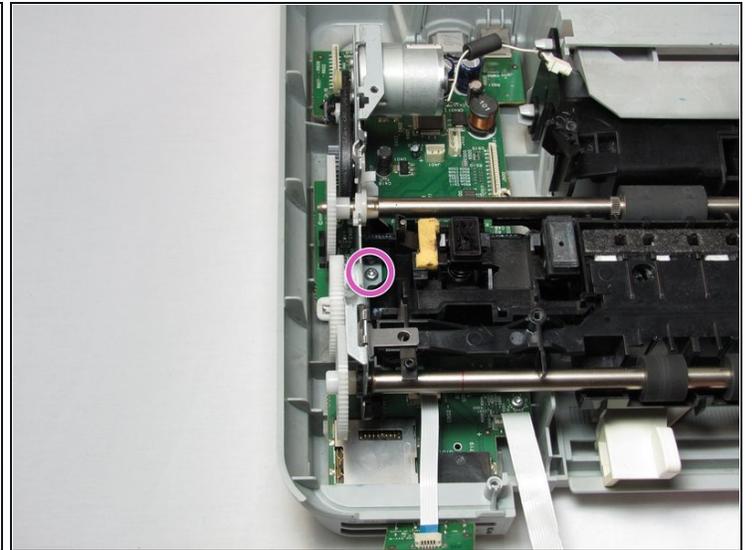
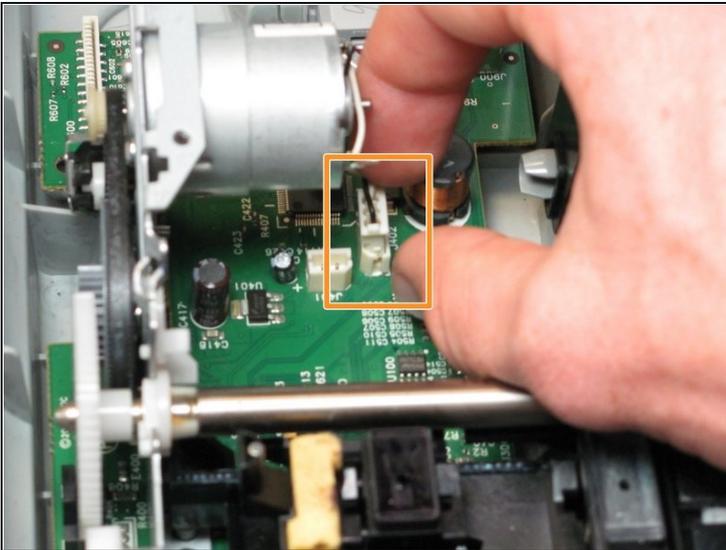
- Remove the metal tab by rotating it away from the body of the printer and pulling up.
- Remove the brush by grasping it firmly by the base and lift straight up.

Step 27



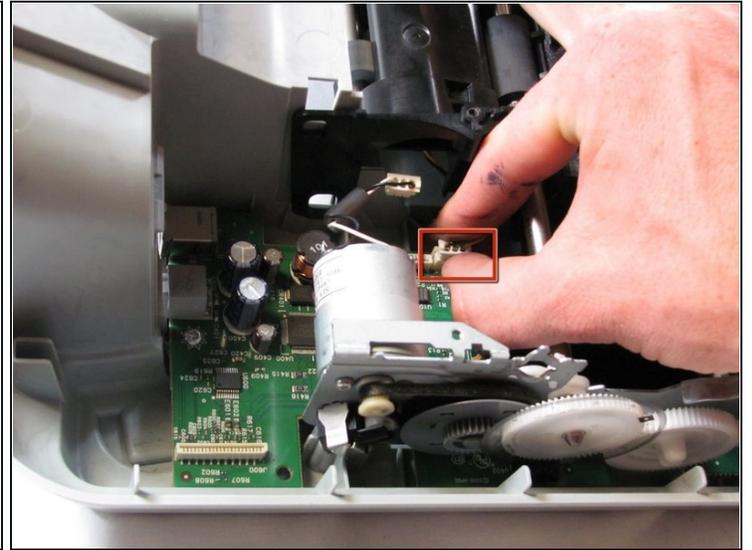
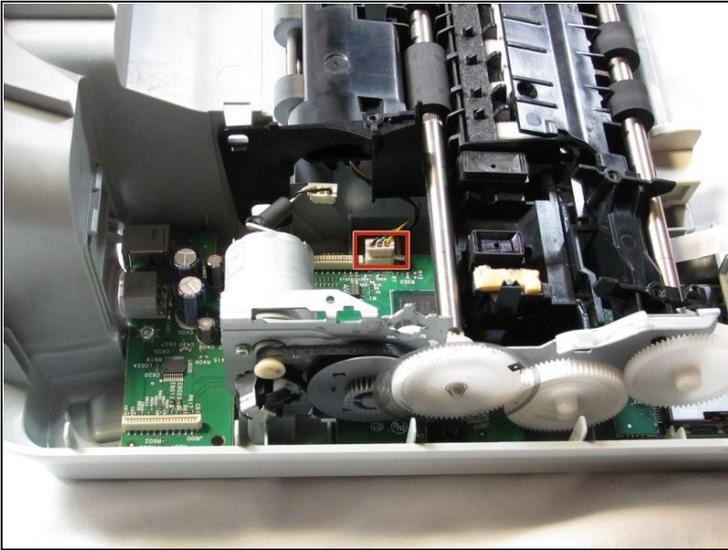
- Remove the pad holder by lifting it straight up.

Step 28



- Remove the connector holding the feed roller motor to the logic board by pulling it straight up
- Remove the T10 12mm Torx screw on the roller panel.

Step 29



- Disconnect the page sensor from the logic board by pulling straight up on the connector.

Step 30



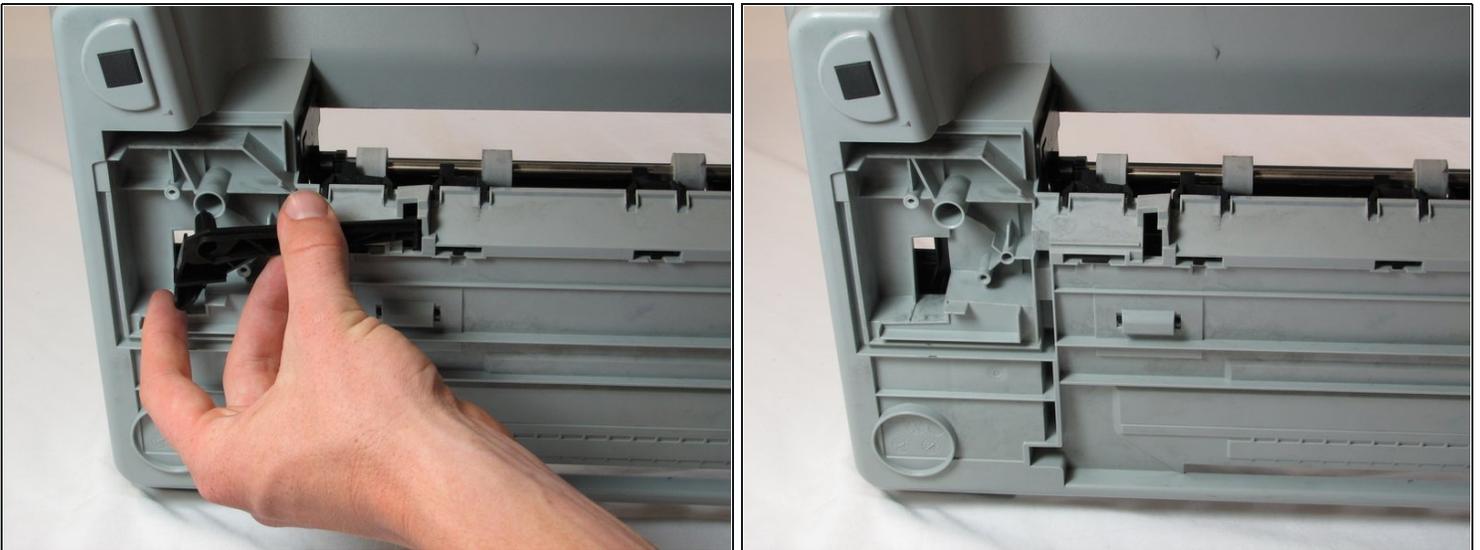
- Rotate the printer 180 degrees and turn it up on to the front side, so that the back of the printer is facing up and the bottom facing you.
- ⓘ **Be careful because the feed roller assembly is now loose, but it is still attached to the main body of the printer.**
- Push in the tab on the left side of the back panel and pull outward to remove the back panel.

Step 31



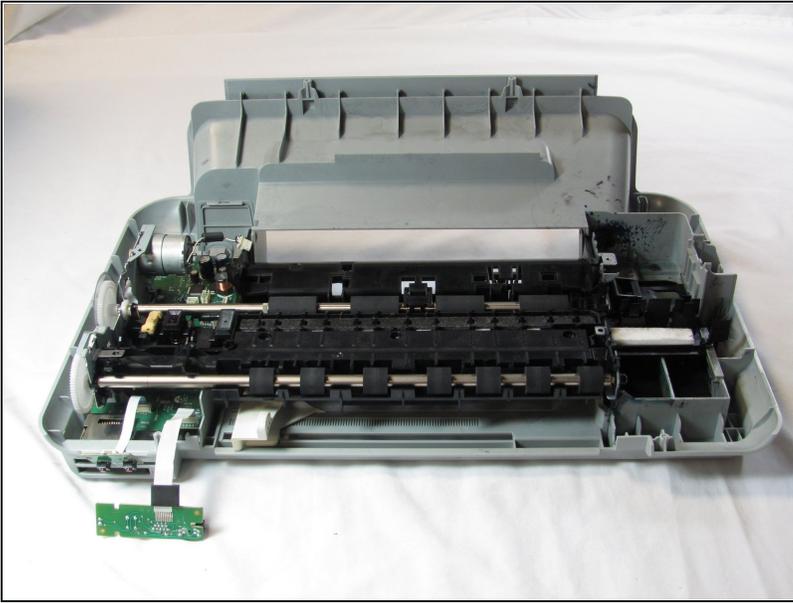
- Tilt the printer up until the bottom of the printer can be seen.
- Remove the T10 12mm Torx screw from the bottom panel.
- Grasp the top edge of the bottom panel and pull to remove it.

Step 32



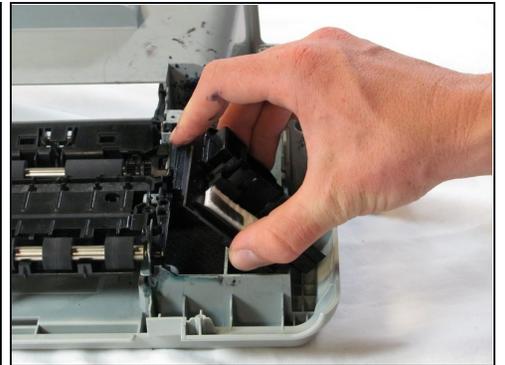
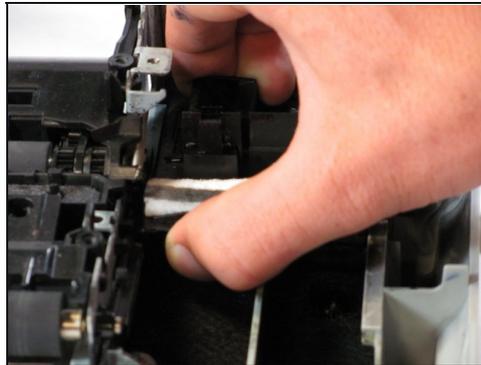
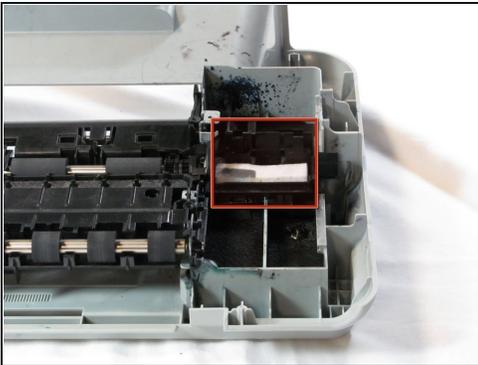
- Remove the black plastic cross member from the bottom of the printer.

Step 33



- Turn the printer back down so that it is sitting on the bottom panel and rotate the printer 180 degrees.

Step 34



- Remove the printer head cleaner by lifting the front of the printer head cleaner above the track and slide it forward.

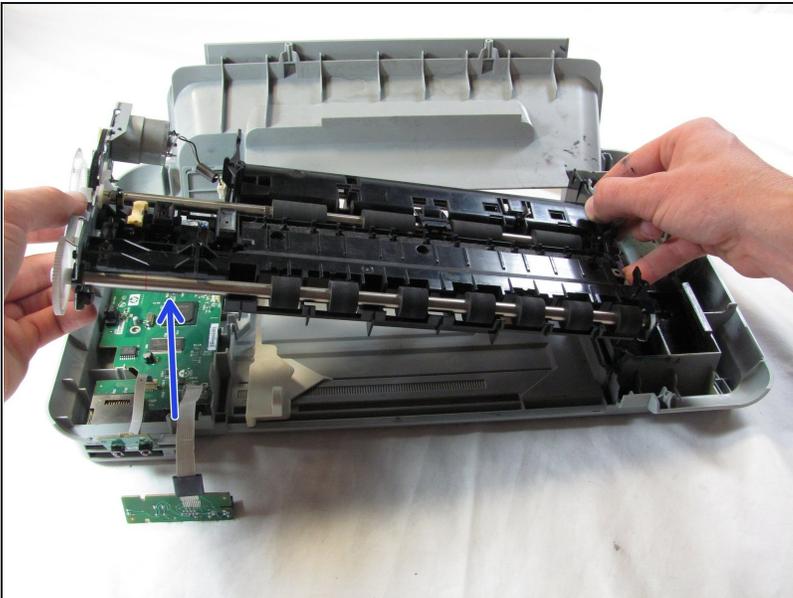
⚠ This is an extremely difficult step. It can take quite a bit of force to lift the printer head cleaner above the track and it is easy to slip and hurt yourself.

Step 35



- ⓘ This step can be performed without rotating the printer, but we have rotated the printer for clarity.
- Grasp the left side of the feed roller assembly and pull towards the front of the printer and up to free the metal tab from the slot.

Step 36



- Lift the feed roller assembly straight up to remove it.

Step 37 — Main Circuit Board



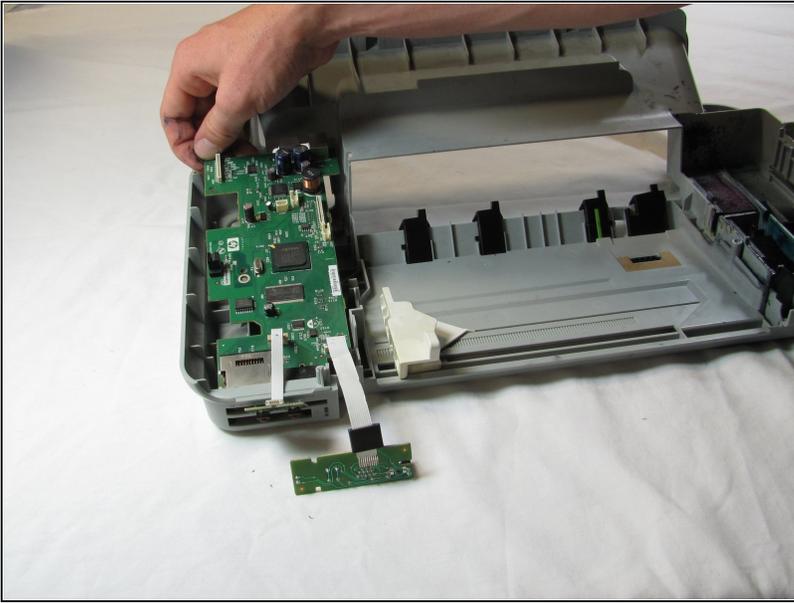
- Set aside the feed roller assembly.
- Push down on the tab that is on the power and USB back panel and then away from the printer to remove the power and USB back panel.

Step 38



- Remove the two T10 12mm Torx screws from the main circuit board.

Step 39



- Remove the main circuit board by gently lifting it up from the back and pulling away from the front of the printer.
- Be careful not to lift too fast, as doing so can cause damage to the main circuit board.

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