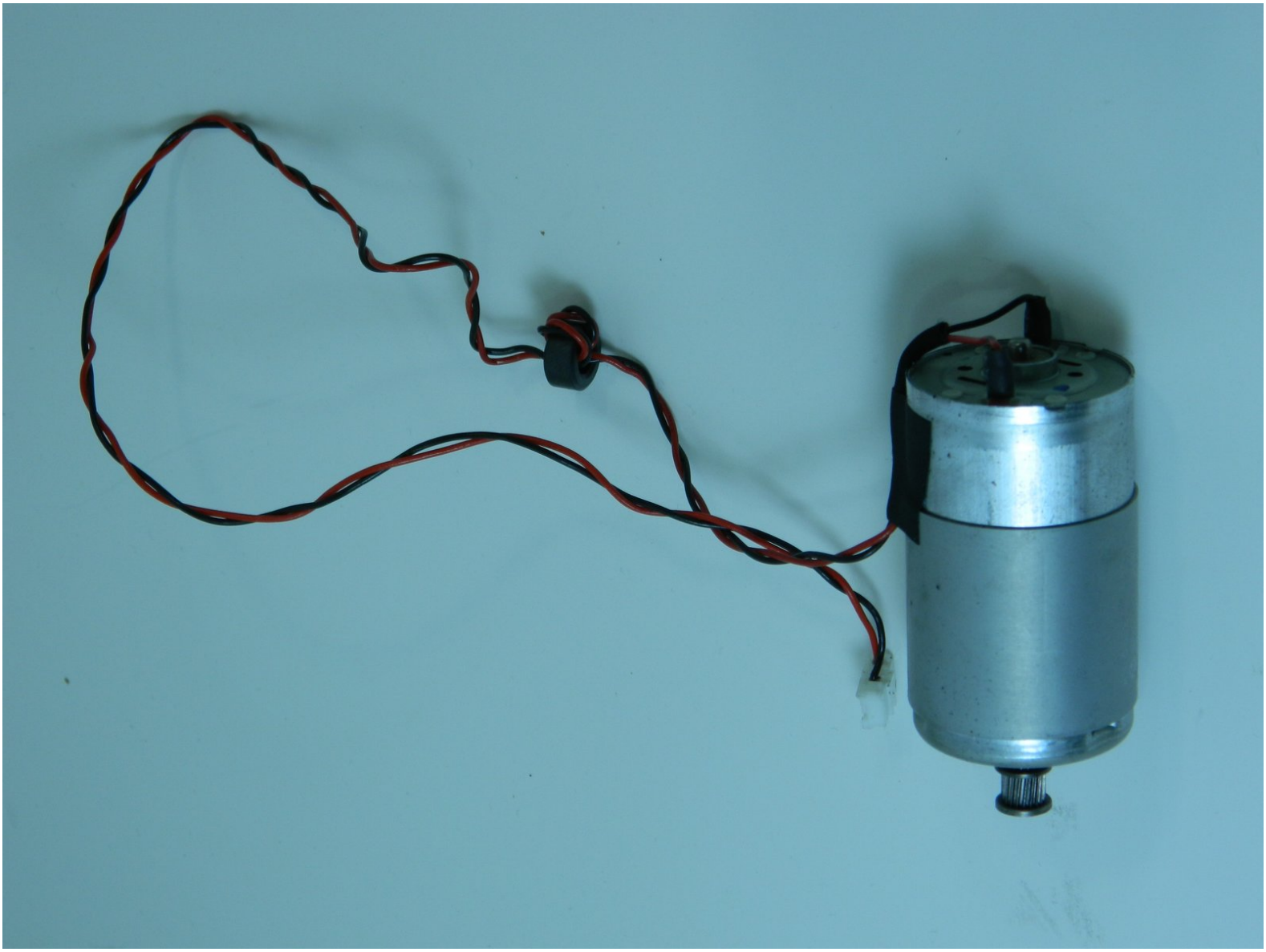
Epson Stylus C84 CR Motor Replacement

The CR motor decays after long periods of time, and will eventually need replacement.

Written By: Carter Hill



INTRODUCTION

The CR motor keeps the CR timing belt running. The CR timing belt keeps the ink cartridge carrier moving back and forth. Therefore, the CR motor is important.

TOOLS:

- Phillips #1 Screwdriver (1)

Step 1 — Removing the Back Panel

- Turn the printer around so the printer's front is facing away from you. Then, remove the rounded black panel from the paper guide by lifting it straight up.
- Left Panel
- Right Panel
- Printer Front
- Back Panel

Step 2 — Removing the "Parallel" Cover



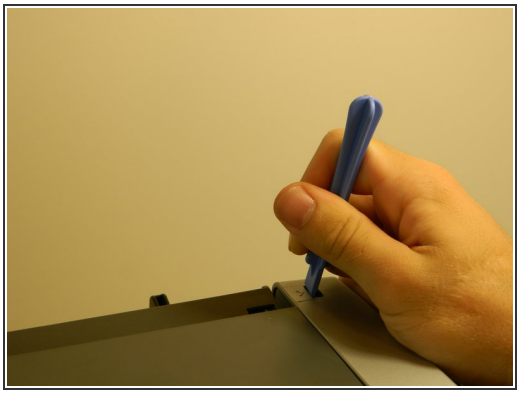
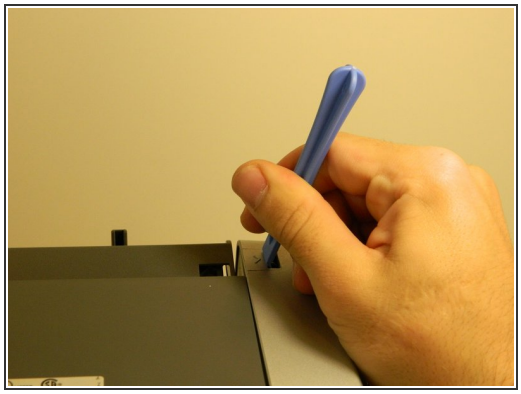
- Wedge the flat end of the spudger between the top of the “Parallel” cover and the right panel, and gently pry the upper edge cover away. Completely remove the cover by hand if necessary. The Parallel and USB ports should be exposed.

Step 3 — Releasing the Prongs

- Next, turn the printer so that it's laying on its front side.
- Locate the two plastic prongs on the bottom of the right panel.
- Gently pinch the prongs together and push them with your fingers through the clips until they are free.

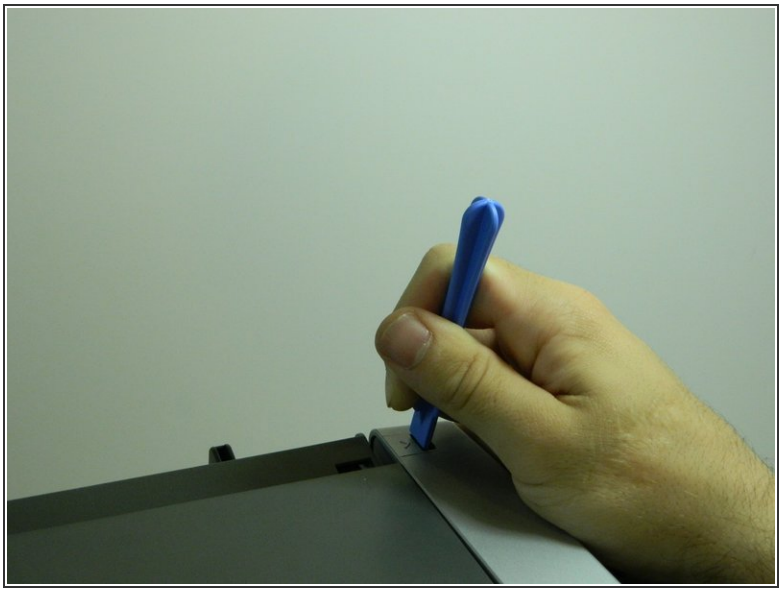
⚠ Do not use extreme force or bend the prongs in such a way that they break.

Step 4 — Pushing In the Interior Tabs

- Wedge a wide-tipped blue plastic opening tool inside the gray tab on the upper left-hand corner of the right panel, next to the arrow.

Step 5 — Releasing the Interior Tabs

- Push in the gray tab until it becomes separated from the rest of the panel.

Step 6 — Holding the Right Panel in Place

- Set the printer back down on its bottom.
- Wedge one of the blue plastic separators between the back of the right panel and the rest of the printer's housing to keep it separated.

Step 7 — Unclipping the Right Panel

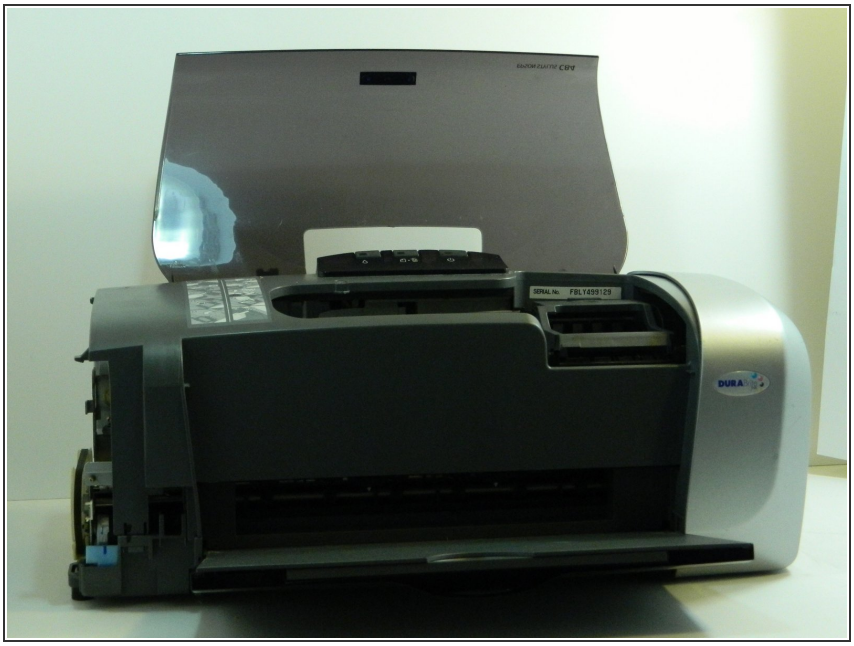
- Turn the printer around so the front is facing toward you.
- Open the printer's cover, place your hand inside the right panel and unclip it from the rest of the printer with your thumb and forefinger.

⚠ Do not use extreme force when unclipping the panel.

Step 8 — Holding the Separated Right Panel

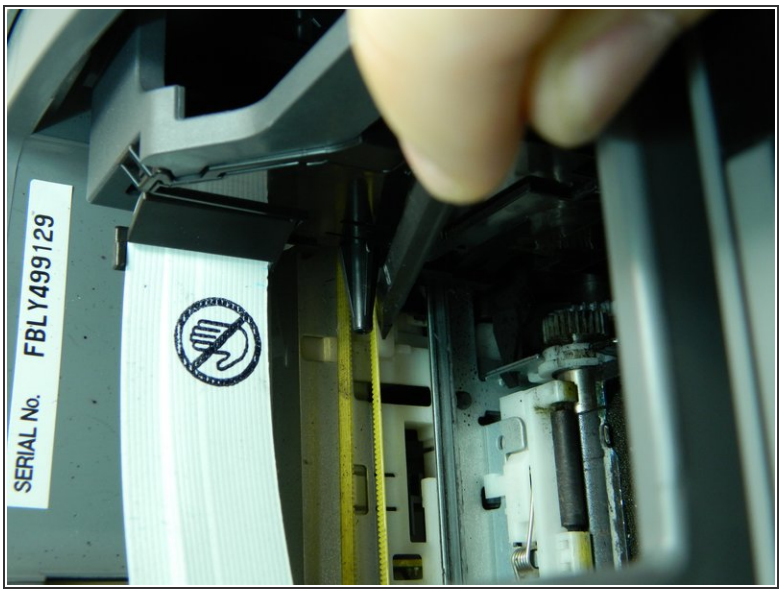
- Wedge a blue plastic separator between the plastic housing and the rest of the right panel and push the panel out from the inside to free it.

Step 9 — Removing the Right Panel



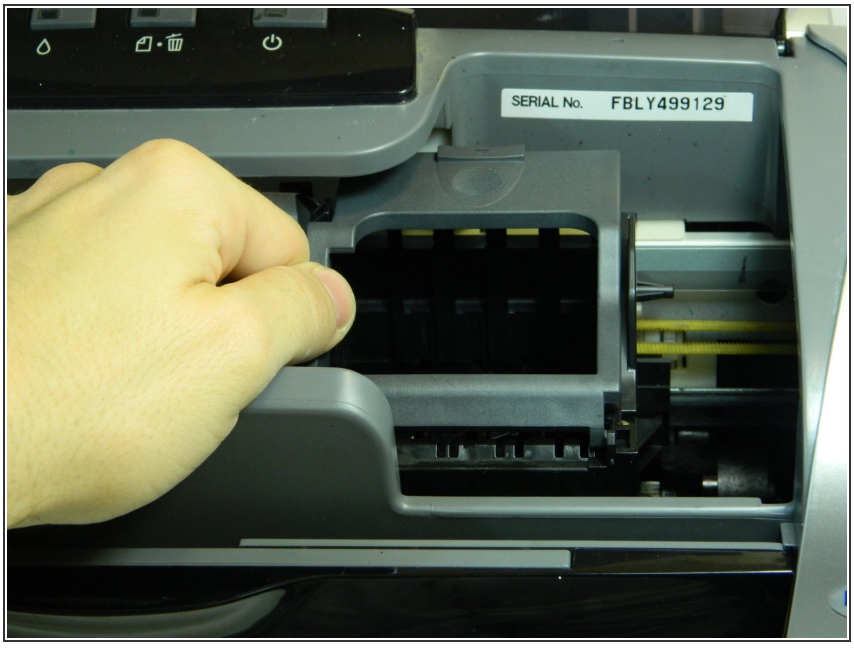
- Gently push the panel to the right to separate it from the printer.

Step 10 — Releasing the Ink Cartridge Carrier



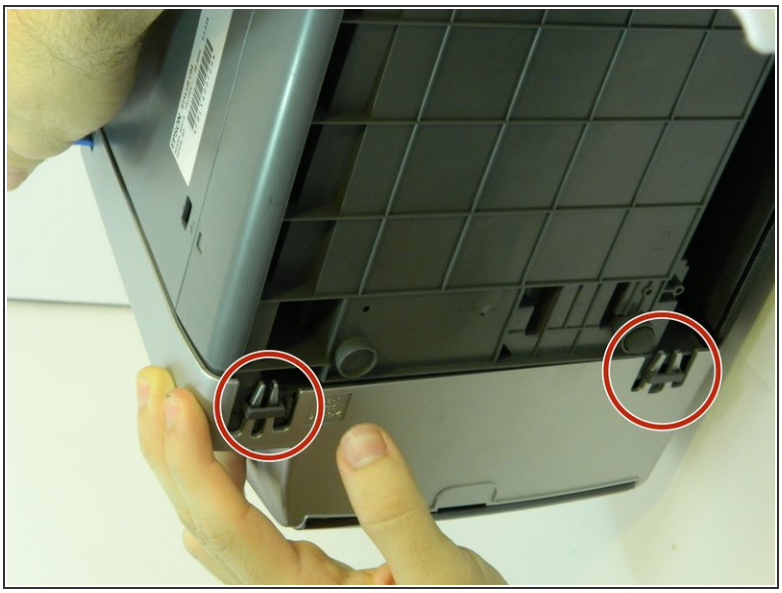
- Use the flat end of the spudger to push the white button next to the ink cartridge carrier.

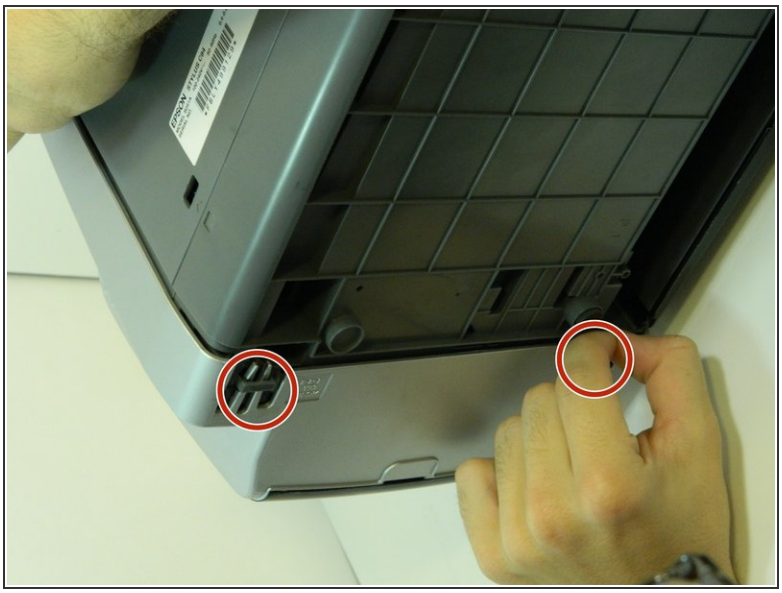
Step 11 — Manually Sliding the Ink Cartridge Carrier



- Gently slide the ink cartridge carrier by hand to the left to gain access to the inside of the left panel.

Step 12 — Removing the Left Panel's Prongs





- Turn the printer so that it's on its front side again. Now there are two sets of prongs to undo for the left panel. Repeat step #2 for each set of prongs.

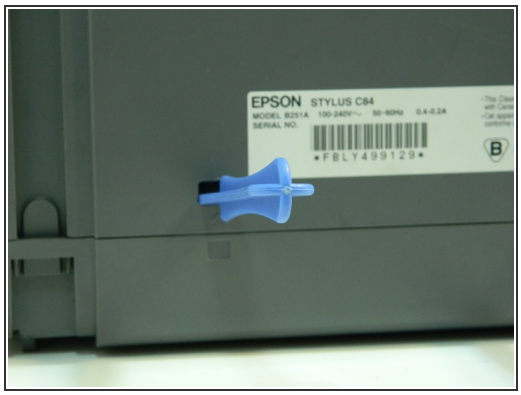
Do not use extreme force when removing the prongs.

Step 13 — Unclipping the Left Panel Upper Notch

- Wedge a blue plastic separator in the gray tab on the upper right-hand corner of the left panel.
- Unclip the panel from inside the printer, and remove it.

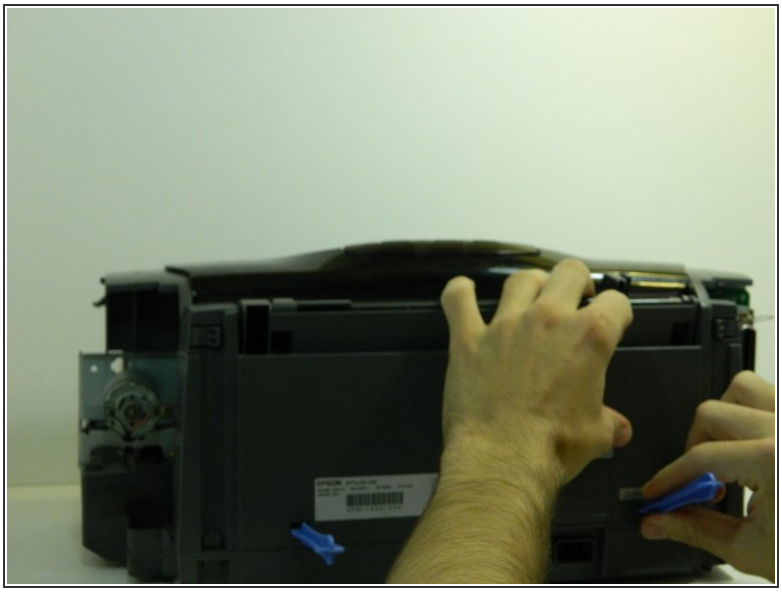
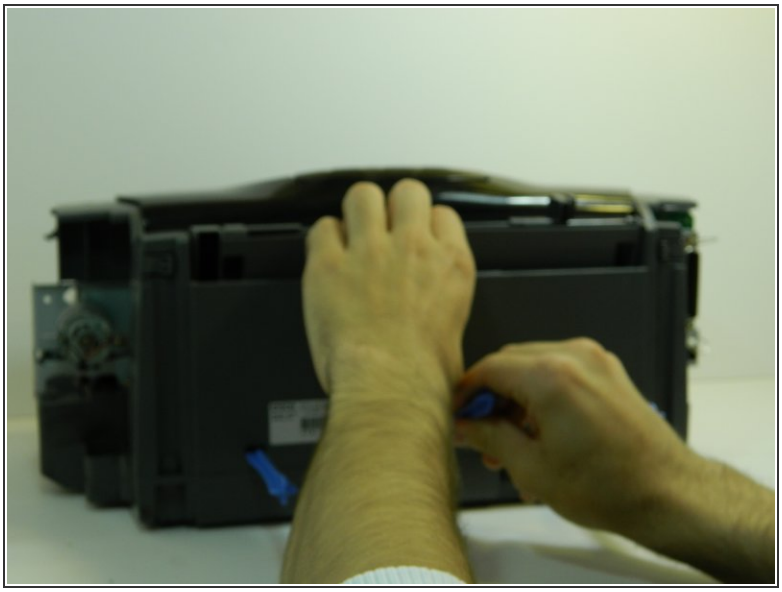
Step 14 — Unclipping the Back Panel





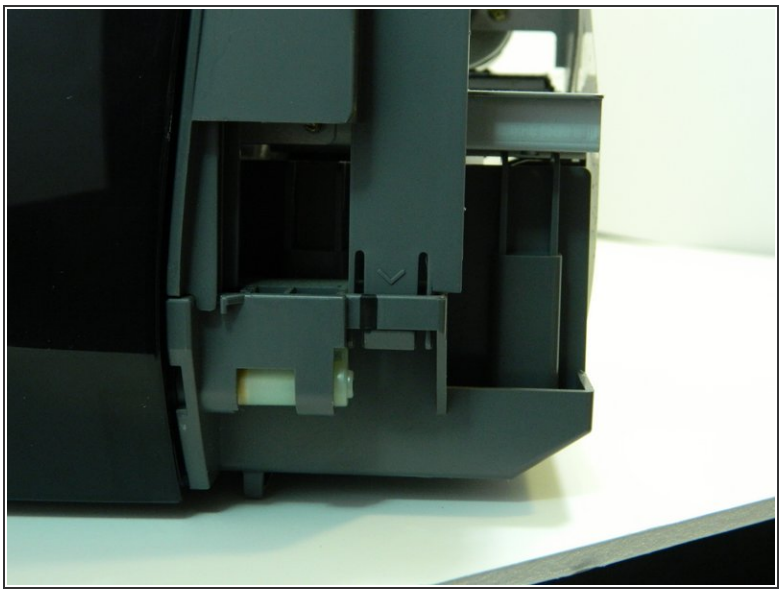
- Turn the printer around so the front is facing away. Use three wide-tip blue plastic opening tools and place them inside the notches on the back panel of the printer.

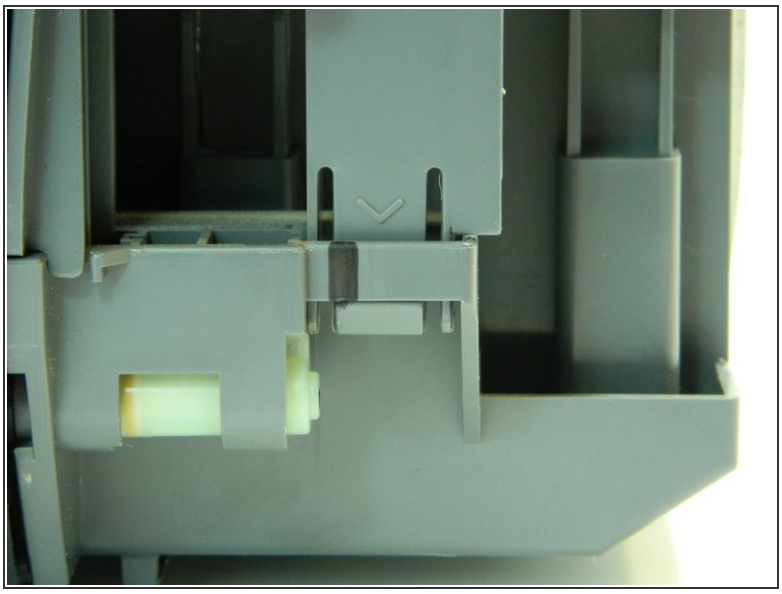
Step 15 — Separating the Notches

- Push on each notch until the retaining tabs are separated from the back plastic cover.

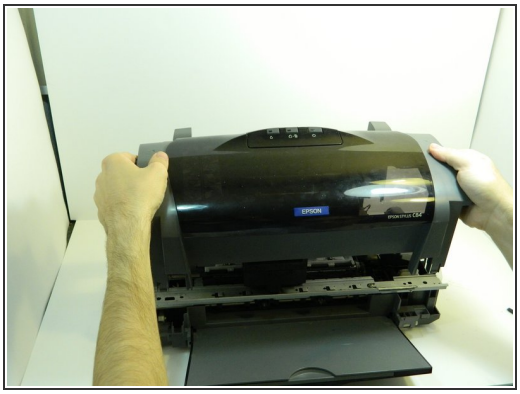
Step 16 — Releasing the Tabs

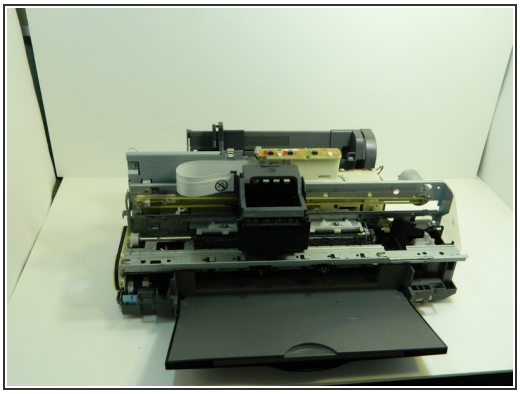




- Turn the printer around so the front is facing you and gently push up on each tab of the front plastic panel, above the arrows. Make sure the prongs are detached from the clips.

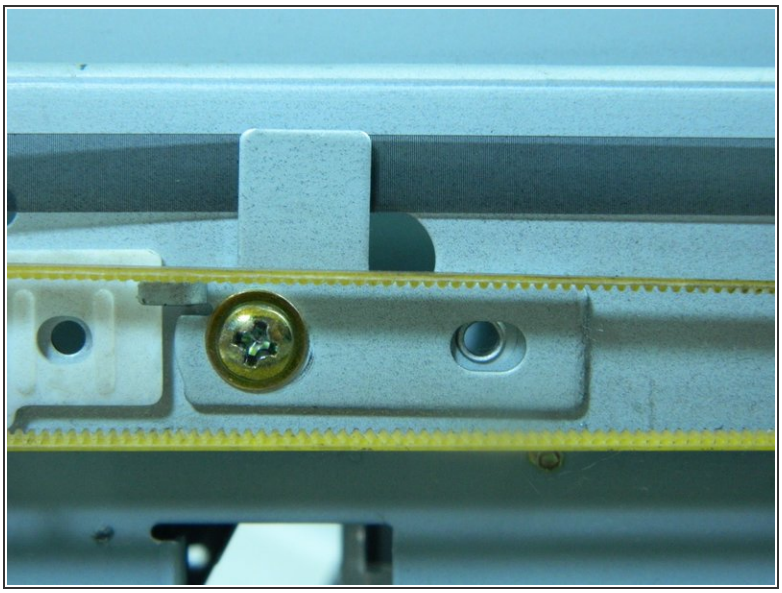
Step 17 — Removing the Casing

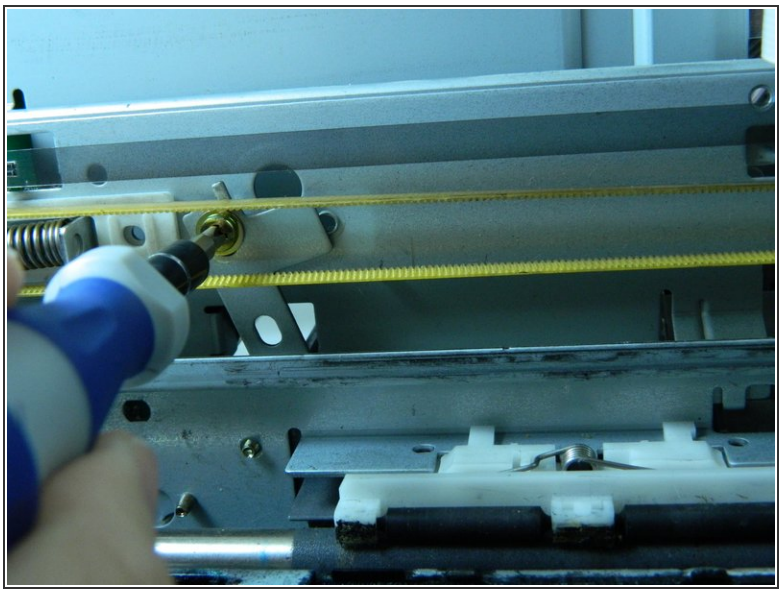




- Gently pull the plastic housing upward to remove the back panel and reveal the inner components of the printer.

Step 18 — CR Motor

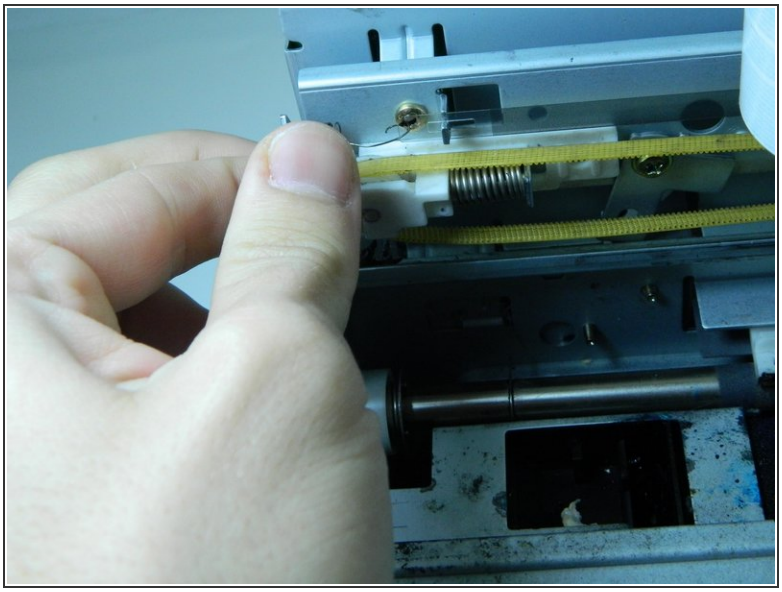


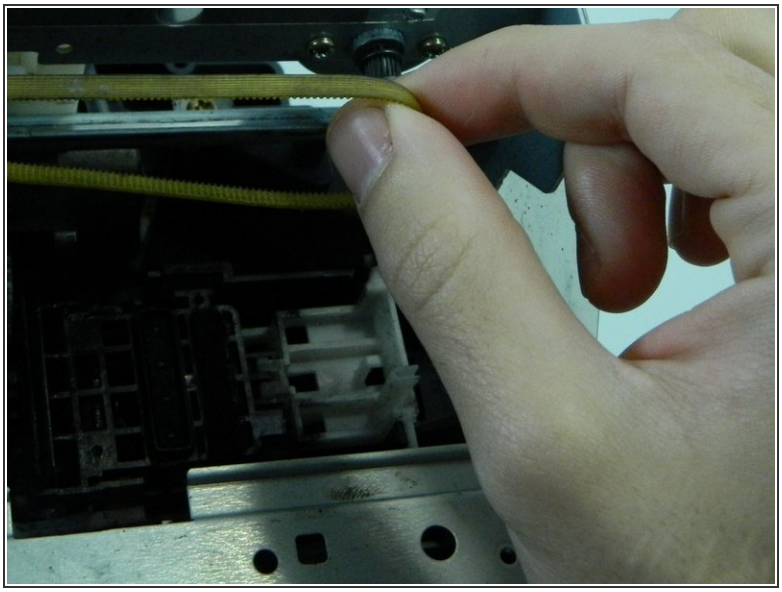


- To take down the CR timing belt (yellow), first use a Phillips #1 screwdriver to loosen the screw that helps keep the "stopper holder pulley" in place.

⚠ You don't need to remove the screw entirely.

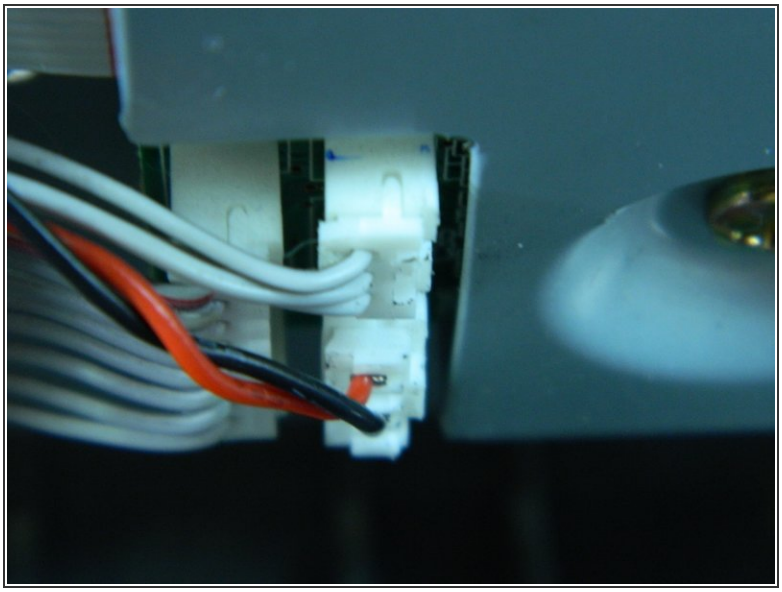
Step 19

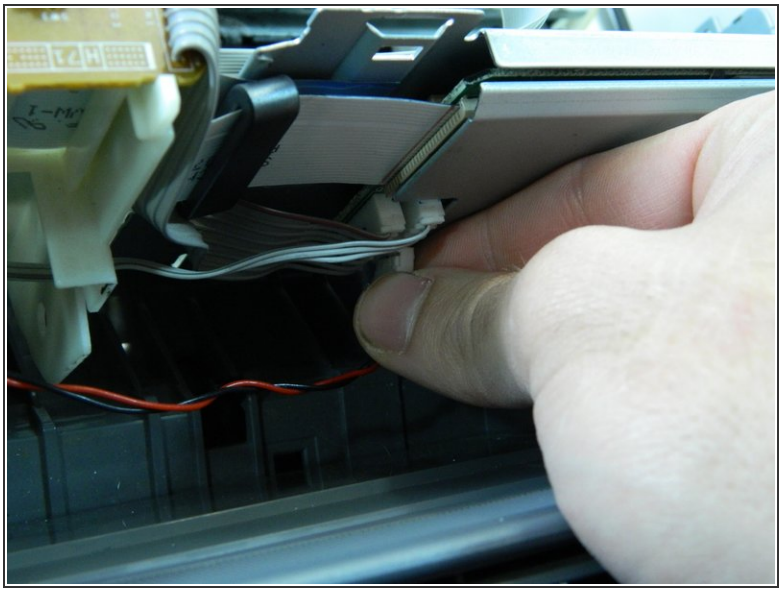




- Push the stopper holder pulley as far to the right as possible, and simultaneously remove the CR timing belt from the CR motor pinion gear.

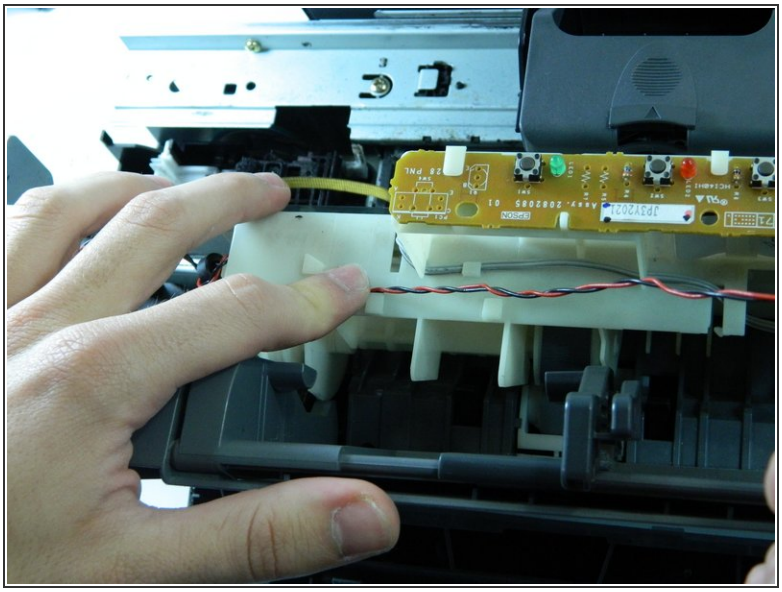
Step 20

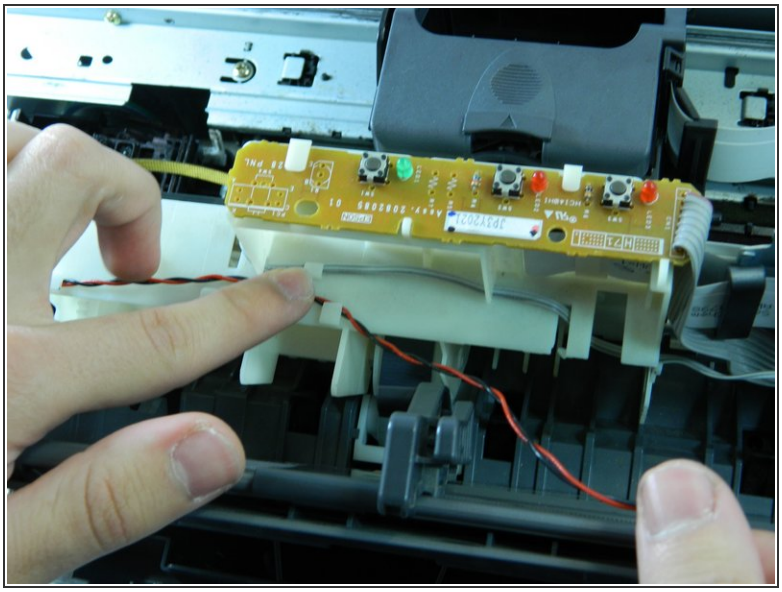




- Locate and carefully disconnect the intertwining red and black wires that connect the CR motor to the circuit board.

Step 21

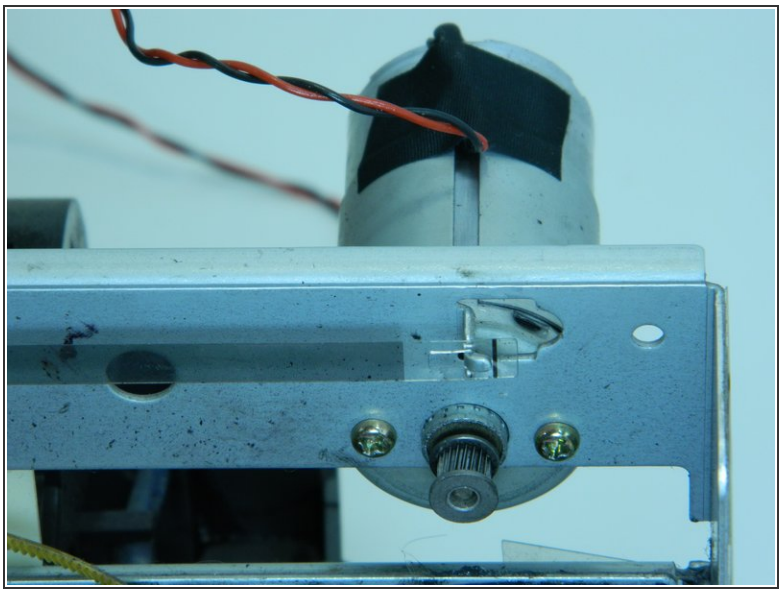


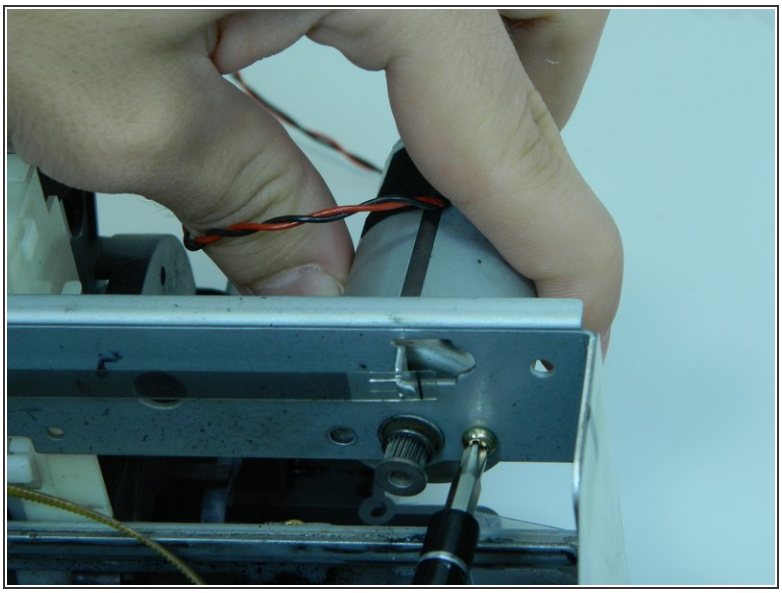


- There are a series of clips keeping the wires in place. Gently remove the wires from the clips.

⚠ Don’t attempt to yank them free.

Step 22





- There are two screws that hold the CR motor in place. Remove both.

⚠ Once you've removed one and are unscrewing the other, be sure to hold the motor in one hand so it doesn't drop and potentially cause further problems.

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

