Logitech G500 Cord Replacement

The cord can become easily frayed with use, and it's cheap and simple to fix!

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INTRODUCTION

We disassemble the mouse to get to the connector cable for replacement with a brand new cable.

TOOLS:

- Phillips #00 Screwdriver (1)
- Spudger (1)

PARTS:

- Logitech G500 Replacement USB Cable (1)

Step 1 — Cord

- It's very common for this cord to fray with continued use. Let's open up this mouse and replace the cord!

Step 2

- Pry off the three feet to reveal screws.

⚠ It is easy to split the pads in half so make sure your spudger gets underneath both layers.

Step 3

- Locate the hidden screw hole behind the Logitech sticker.
- Puncture the sticker to access the screw.

Sometimes the screw head will not be removable because the sticker may get in the way. This is fine; just make sure the screw stays inside and you don't lose it.

- Remove all five Phillips screws.

Step 4

Now, or at any time, you may wish to remove the weighted cartridge inside of the mouse. It is best if you do it at or before this step, but it is not necessary.

Step 5

- With all screws removed, carefully pry the top of the mouse away from the body.

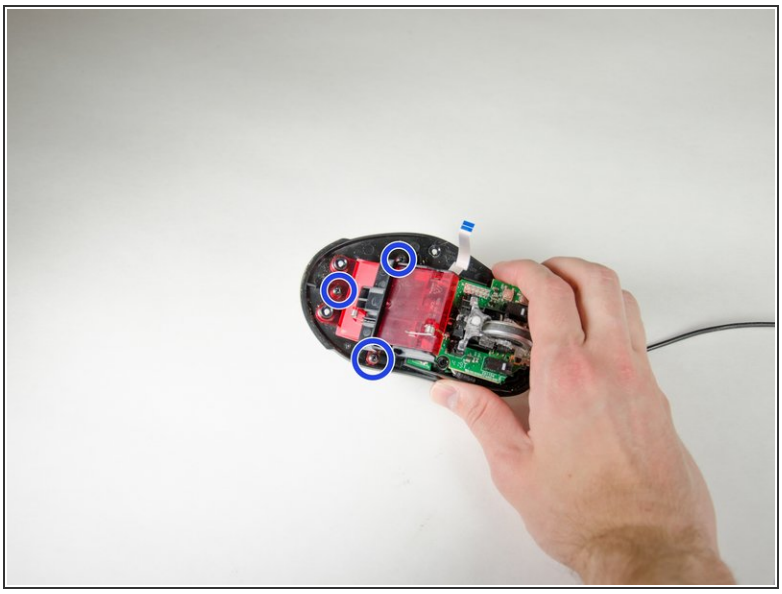
There is a cable securing the top of the mouse to the body. Do not remove the case too far or this may break.

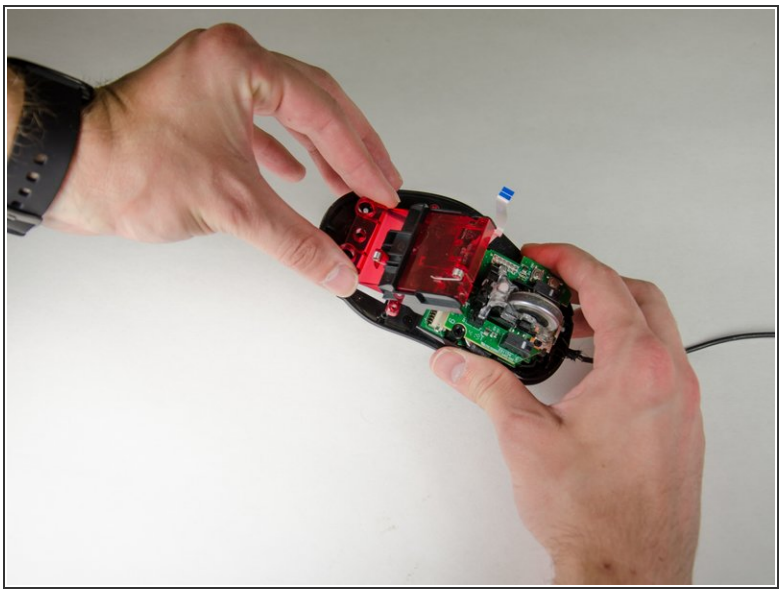
Step 6

- Using a spudger, lift the ZIF cable guard.
- Remove the cable from the upper housing. The upper housing can now be set aside.

On the bottom right of the top circuit board is a revision number. The rev. 3 mouse has a soldered red wire between this board and the top half of the mouse. For rev. 3 mice, leave the ZIF cable in place and proceed.

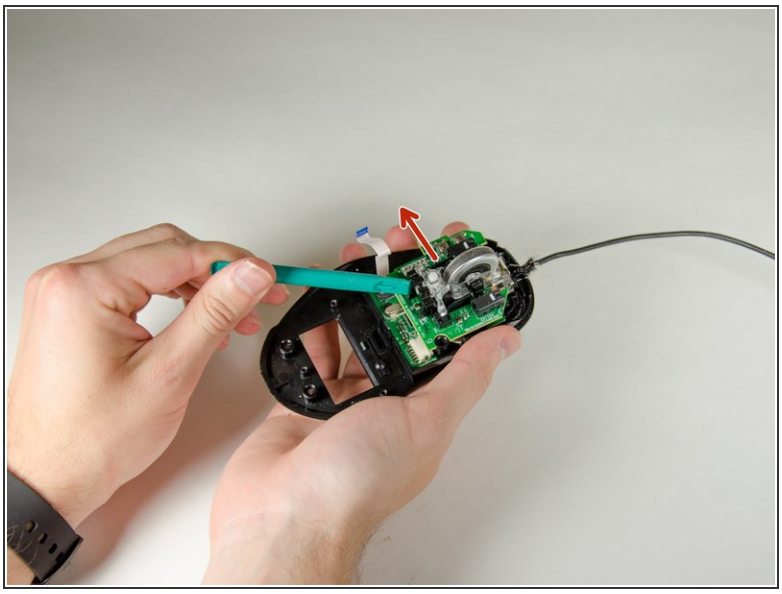
Step 7

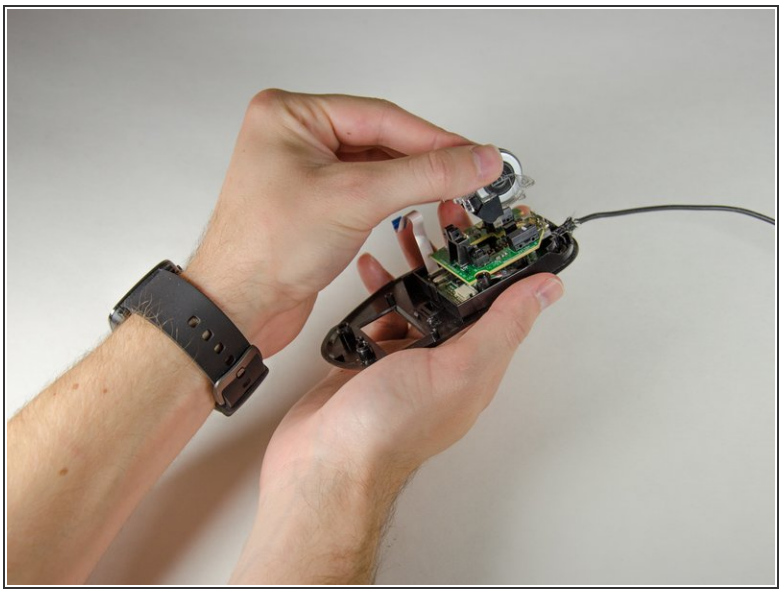




- Remove the three Phillips screws to free the weight cartridge holder.
- Lift the weight cartridge holder from the body.

Step 8





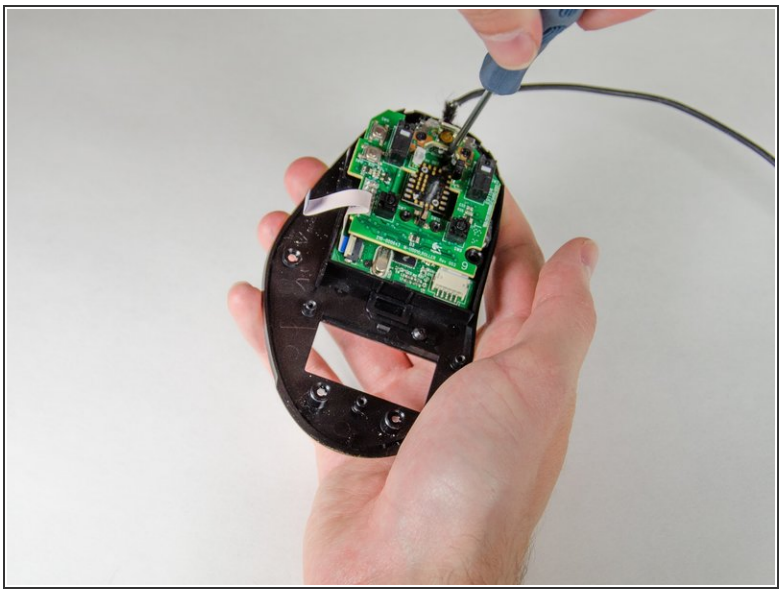
- Pry the pin securing the mouse wheel and housing to the left.
- Remove the mouse wheel and housing.

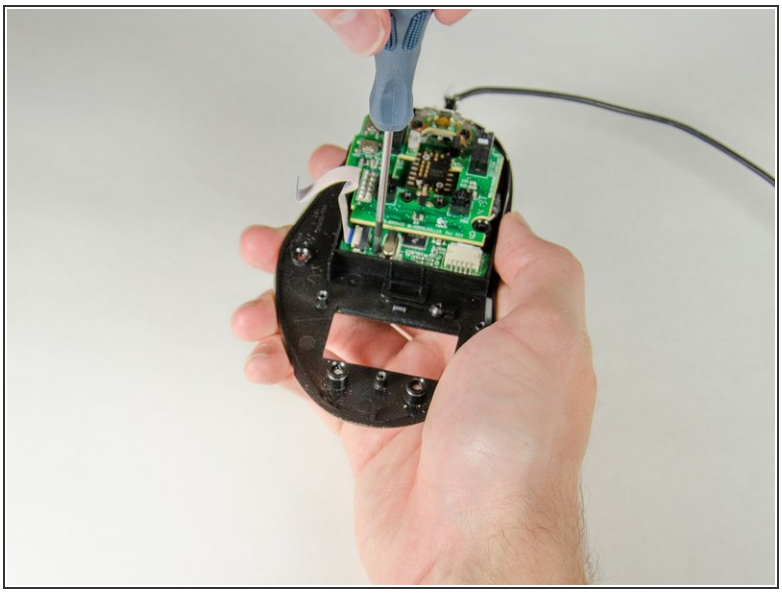
Save the two tiny springs under the wheel in a safe place until reassembly. Not reinstalling these springs will cause the mouse to malfunction.

Step 9

- Remove the two parallel screws holding a black piece of plastic to the mouse body.

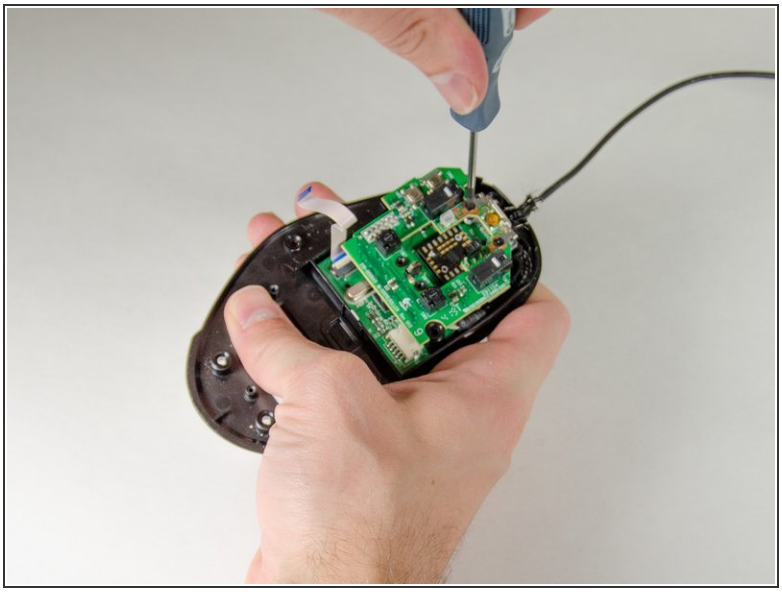
Step 10

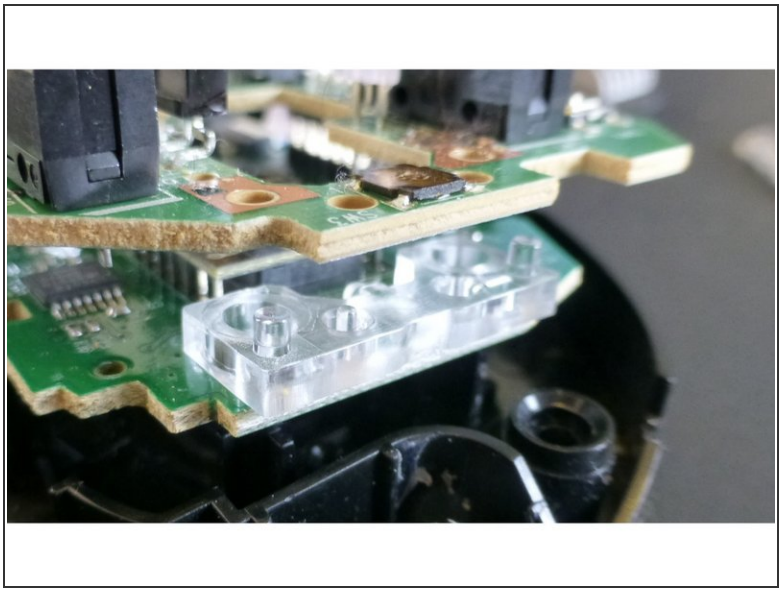




- Remove two screws securing the bottom circuit board to the bottom plate of the mouse.

Step 11

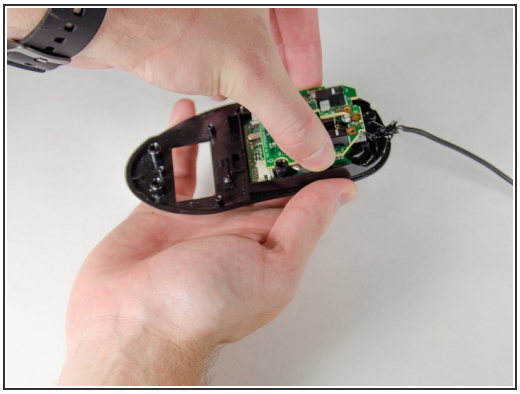
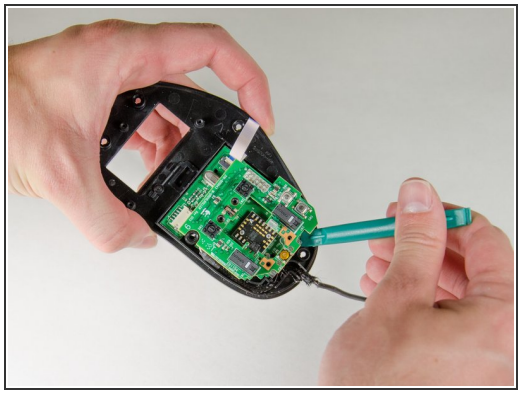
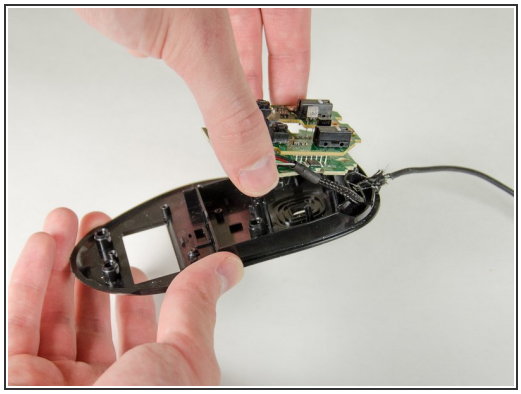




- Remove the final two Phillips screws near the top of the mouse holding the circuit boards to the plate.

There is a transparent plastic part between the two boards. Remember to reinstall this during reassembly.

Step 12

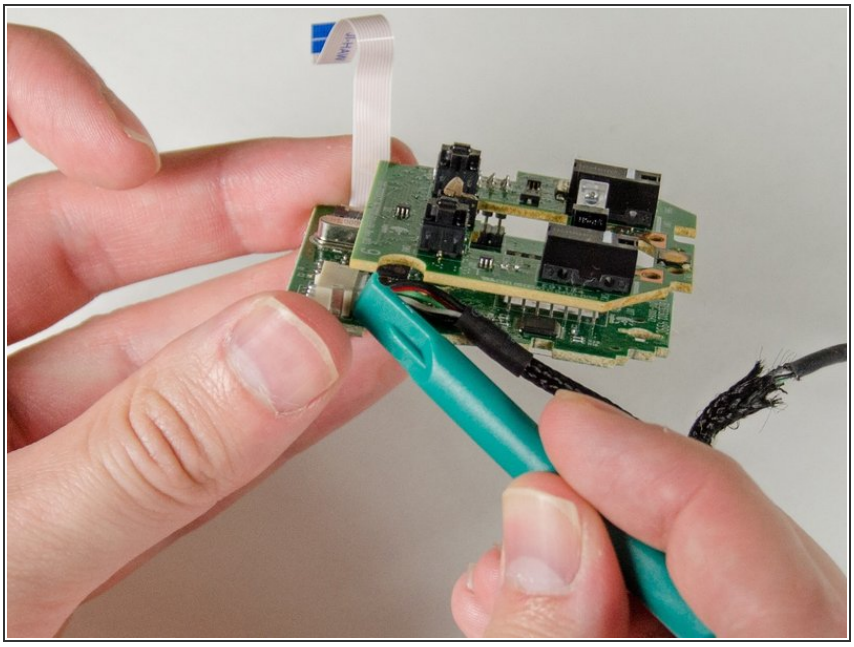




- Pull the circuit boards loose from the bottom plate.
- You may need to use a spudger to pry the circuit free.

The mouse cable is glued to the bottom plate, so do not quickly yank the circuit boards away.

The circuit boards are not very strongly attached to each other; do not pull hard on the top board or they may separate, damaging the device.

Step 13



- Carefully pry on each side of the mouse connector until the cable comes free.

Since you don't care about the condition of the cable after you're done, an occasional light tug on the cable will help you determine if it is loose enough to be freed.

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