



Logitech V220 - Cordless Optical Mouse Scroll Wheel Replacement

This guide will instruct the reader to replace the scroll wheel spring on the Logitech V220 mouse.

Written By: Tyler Price



INTRODUCTION

Scope

The scope of this guide encompasses the Logitech V220 and its owners/users.

TOOLS:

- [Phillips #0 Screwdriver](#) (1)
- [Tweezers](#) (1)
- [Metal Spudger](#) (1)

PARTS:

- [Steel Compression Spring](#) (1)

Step 1 — Removing the USB Wireless Receiver



⚠ Wash your hands before replacing the battery to prevent debris getting into the mouse and damaging its internal components.

- Orient the mouse so you are viewing its base.
- Using your fingers, gently remove the USB wireless receiver by sliding it towards you.

i USB removal will result in the power switch to be in its **ON** position.

📌 Place the USB to the side for reassembly.

- With your fingertip, engage the power switch to its OFF position to ensure the mouse is not powered.

Step 2 — Removing the Mouse Pads



- Locate the four mouse pads.
- Use the rectangular end of the metal spudger to get underneath each mouse pad, pry them up, and peel them off.
- ☒ Set the peeled mouse pads to the side sticky-side up to maintain its stickiness.

Step 3 — Unscrewing the Mouse Housing Screws



- Locate the four #0 Phillips screws where the mouse pads previously were.
- Unscrew the four #0 Phillips screws with the Phillips #0 screwdriver.
- ☒ Set the screws to the side for reassembly.

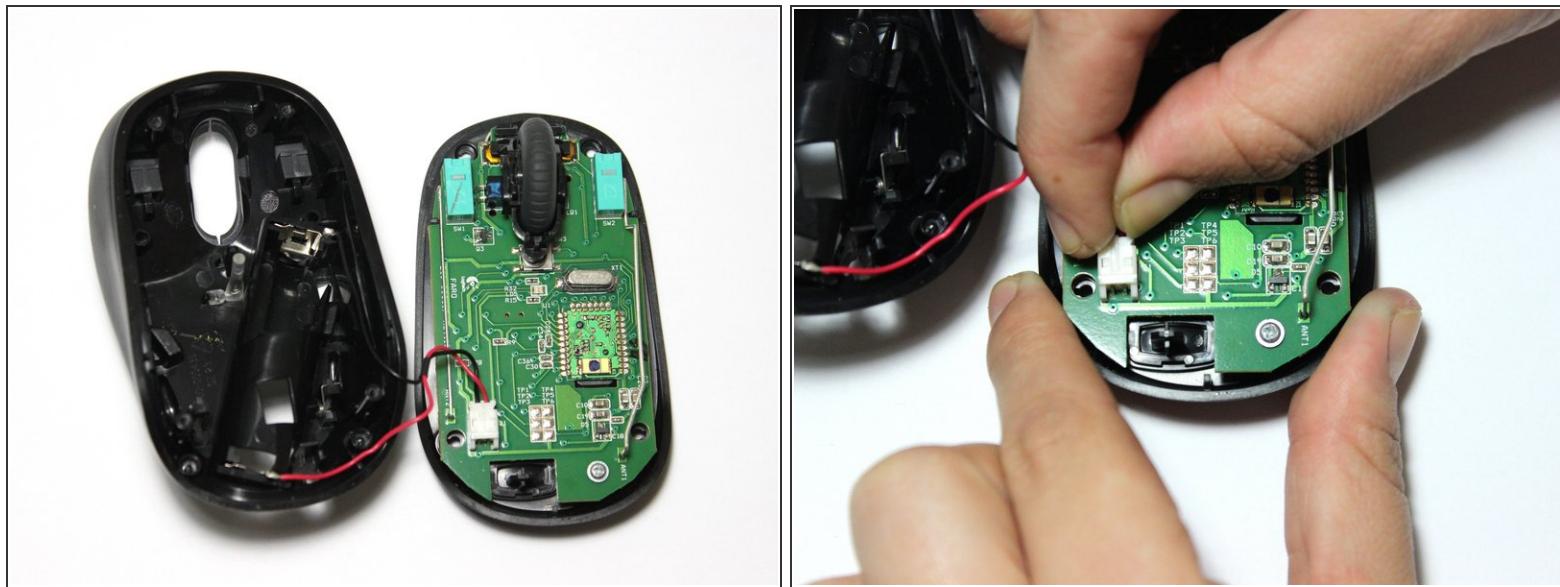
Step 4 — Separating the Mouse Housing



- Once the housing screws are fully removed, slowly (and carefully) separate the top and bottom halves of the housing.

⚠️ Rapid separation of the housing halves may result in damaging the power cables (red and black wires) and molex (white plug).

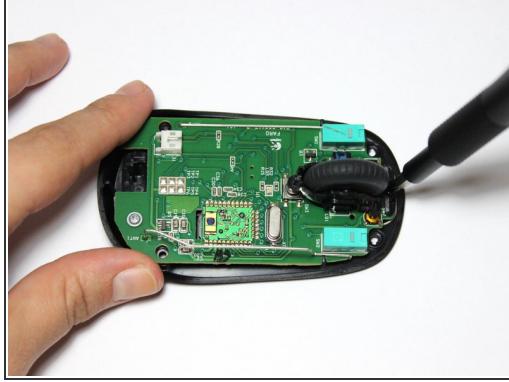
Step 5 — Detaching the Top Mouse Housing



- Gently set the mouse halves down on a flat surface.
- Secure the base half with one hand.
- With thumb and forefinger, grab the end of the molex and pull it away from you until the molex is unplugged.

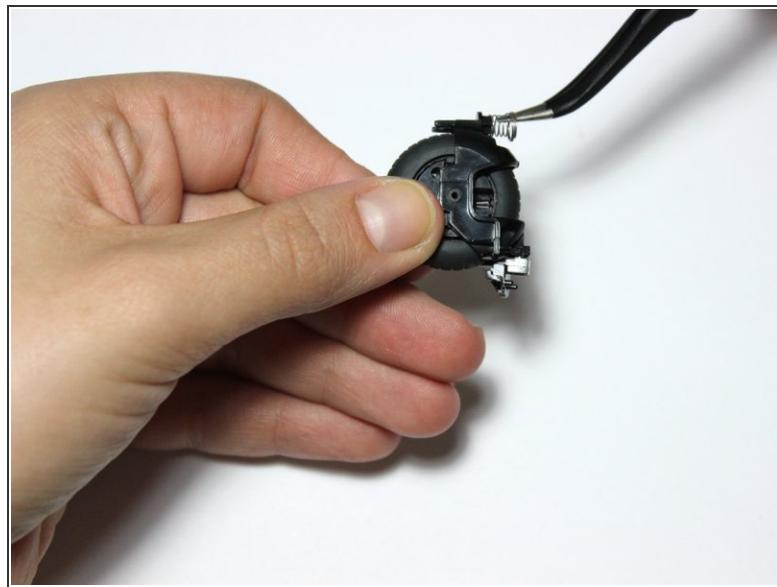
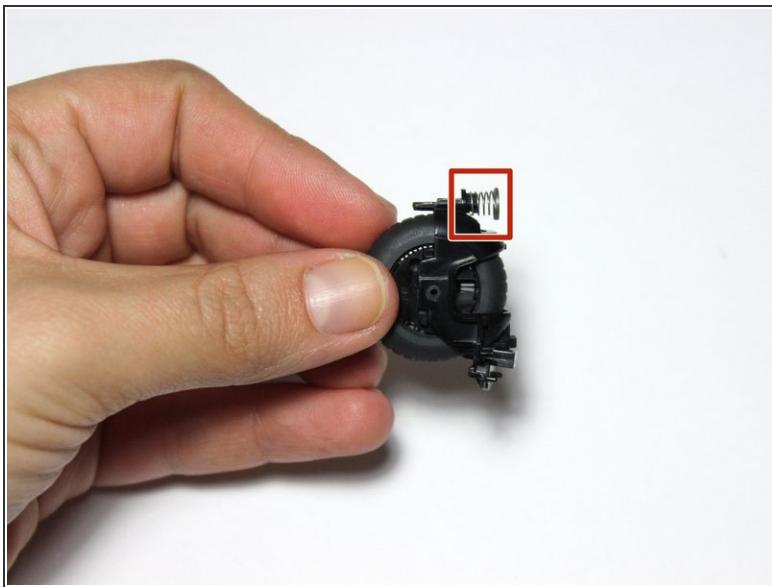
 Set the top mold half to the side for reassembly.

Step 6 — Removing the Scroll Wheel



- Locate the one, scroll wheel, #0 Phillips screw near the very front edge of the mouse.
- Turn the mouse 90 degrees clockwise.
- While supporting the rear of the mouse base, unscrew the #0 Phillips scroll wheel screw.
 - ☒ Set the screw to the side for reassembly.
- Once the scroll wheel screw is fully removed, manually extract the scroll wheel and spring assembly.
 - ☒ Set the remains of the base of the mouse to the side.

Step 7 — Removing and Replacing the Scroll Wheel Spring



- Locate the scroll wheel spring.
- Use the tweezers to gently remove the spring by slowly tugging the spring away from the scroll wheel assembly.
-  Set the spring aside for [proper disposal](#).
- Grab a new spring with the tweezers.
- Place the new spring on the peg extrusion of the assembly.
- Now you have a new scroll wheel spring!

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