

# Logitech V220 - Cordless Optical Mouse Teardown

This guide will provide the user a step-by-step instruction on disassembling the Logitech V220 mouse.

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# **INTRODUCTION**

# Scope

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



# **TOOLS:**

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

# Step 1 — Removing the USB Wireless Receiver







- Mash 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.
- 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.

### 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.

#### Step 4 — Separating the Mouse Housing

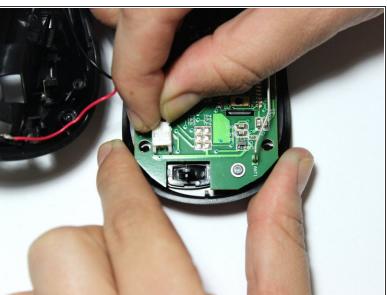




- Once the housing screws are fully removed, slowly (and carefully) separate the top and bottom halves of the housing.
  - Rapid separation of the housing halves may result in damaging the power cables (red and black wires) and molex (white plug).

# **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.

#### Step 6 — Removing the Scroll Wheel

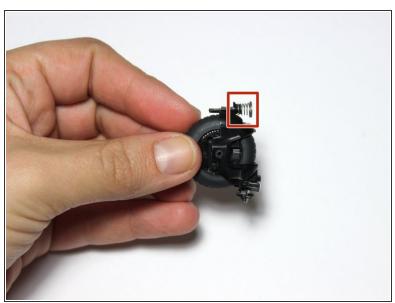


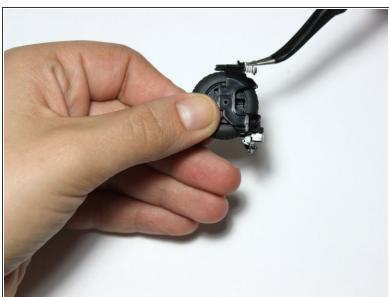




- Locate the one, scroll wheel, #0 Phillips screw near the very front edge of the mouse.
- Turn the mouse 90 degrees clockwise.
- While supporting the rear of the mouse base, unscrew the #0 Phillips scroll wheel screw.
- Once the scroll wheel screw is fully removed, manually extract the scroll wheel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

#### Step 7 — Removing 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.

## Step 8 — Removing the Circuit Board







- Locate and remove the circuit board screw.
- Grip the edges of the circuit board.
- Manually remove the circuit board from the base of the mold housing.

# Step 9 — Removing the Mouse Buttons Screw



 Locate and remove the #0 Phillips screw in the middle of the mouse.

#### Step 10 — Removing the Mouse Buttons







- Flip over the top half of the mouse housing so you are viewing underneath it.
- Locate the mouse button hooks.
- Rotate the housing 180 degrees clockwise.
- Using the spudger, firmly push down on each mouse button until the mouse button is released from the hook.
- Viewing the front of the mouse, the left and right mouse buttons should be detached from the housing.

# Step 11



- Hold the housing so you are looking down the battery slot.
- Place the flat end of the spudger between the mouse buttons and the housing.
- Pry off the mouse buttons.