Logitech VX Revolution Teardown

Complete teardown to replace all parts of the device including the mouse buttons.

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TOOLS:
- New Item (1)
- Phillips #00 Screwdriver (1)
- New Item (1)
- New Item (1)

PARTS:
- D2FC-F-7N(10M) or equivalent microswitches (1)
Remove the receiver.
Step 2

- Remove the 5 skatepads carefully using a scalpel and tweezers or small pliers. Do not throw them away if you do not have a replacement at hand.

- Remove the 5 screws using a phillips screwdriver PH1.

Step 3

- Open the device as shown in the image without force.

- You can remove the flex cable after carefully lifting the brown plastic part using finger nail or a small screwdriver.

- To remove the mouse wheel, the marked screw has to be removed using a PH1 screwdriver.
Step 4

- The assembly consists after the removal of the screw (left) of a plastic part laying on the PCB and the main assembly.

- Furthermore, a small spring belongs to the assembly, which may be secured till reassembly by using a magnet.

Step 5

- The battery case lays loosely in top of the base assembly and is connected to the main PCB using a small connector.
Step 6

- The case for the receiver is not secured by any screw and may be removed by lifting it out of the mouse with a little force.
- To remove the PCB, unscrew 2 screws using a PH00 screwdriver.

Step 7

- Backside of the PCB. The markings illustrate the positions of the mouse buttons (type D2FC-F-7N).
- Contacts for the right mouse button. Desolder if necessary.
- Contacts for the left mouse button. Desolder if necessary.
Step 8

- Follow the previous steps in reverse for reassembly.

- The mouse wheel assembly has a small metal pin in the front. This pin has to fit inside the hole in the loose plastic part.

- It is recommended to combine the assembly and the plastic part before reinserting them to their final spot. Furthermore, the battery box should be assembled thereafter to simplify the process.

- Check the functionality of the mouse before reapplying the skate pads.