



Repairing Apple Mighty Mouse Scrollball

Tools used in this guide

- [Phillips #00 Screwdriver](#) (1)
- [Precision Tweezer](#) (1)
- [Rubbing Alcohol](#) (1)
- [Spudger](#) (1)

A common problem with the mighty mice is that dirt gets in the scrollball assembly and will make scrolling extremely aggravating. There are other solutions like washing the ball in rubbing alcohol and using that to clean the rollers, but I found it much more effective to attack the problem at the source. I would assume that this guide would loosely work for the USB version though I have not tried.



Step 1 - maintenance

- Before you continue, turn off the mouse using the slide switch underneath the mouse.
- Before disassembling the mouse, first try scrubbing the mouse ball with a toothbrush and isopropyl alcohol. Be sure to get the bristles between the ball and the housing as this will help remove dirt and dust that is clogging the rollers inside.
- You can also try blowing into the "ball hole" with a can of compressed air.



Step 2 - Scrollball

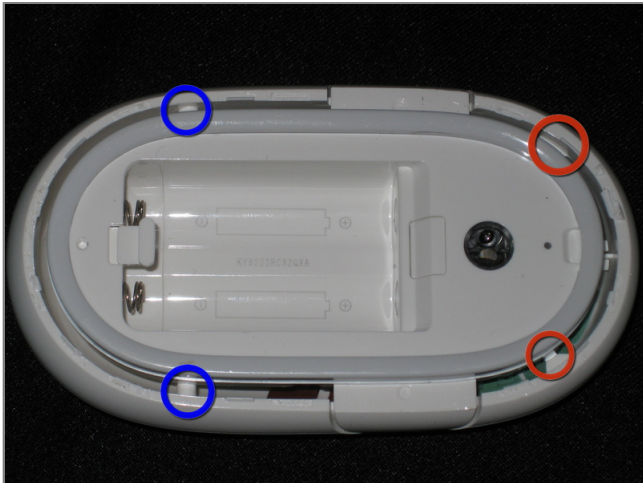
- Begin by flipping the mouse over, as shown.
- Remove the bottom panel by pushing the release latch down and to the left.
- You may need to pry the edge of the bottom panel up in the indicated area.
- Remove the batteries.





Step 3

- Insert spudger between button and outer white ring.
- Twist the spudger to separate the ring from the body of the mouse. Work the spudger around the whole mouse until the ring is completely detached.
- You must use some force to break the adhesive that holds the ring in place, but try not to crack the plastic ring.
- You will have to glue this ring back to the mouse body when reassembling it. Cyanoacrylate adhesive works well.



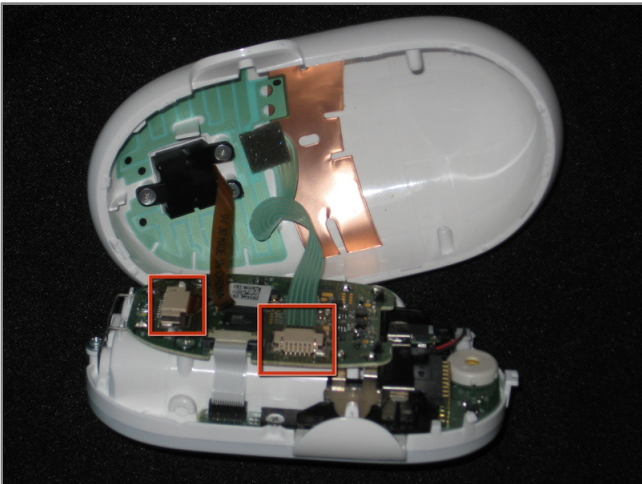
Step 4

- Undo two clips using a spudger.
- Similarly, use the spudger to unhook two pivot points.



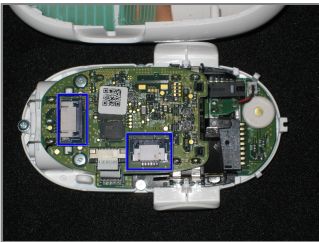
Step 5

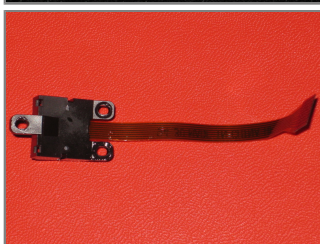
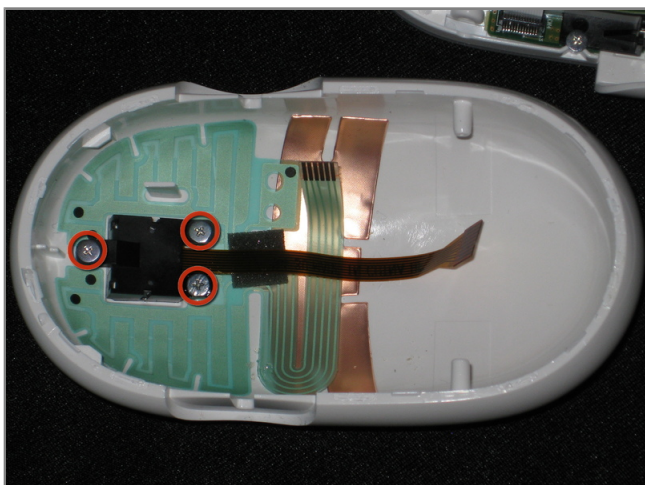
- Carefully separate the two halves; do not pull on the flex cables.



Step 6

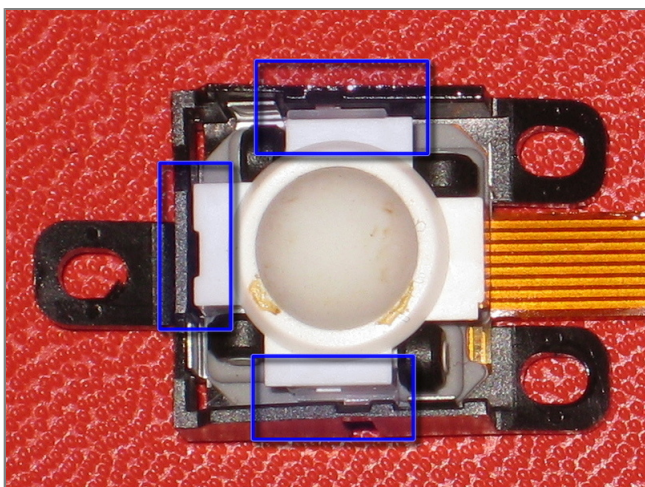
- Gently unlock the latches with a fingernail or a spudger. Do not stress the latch, or it might break.
- Disconnect both flex cables.
- The second photo shows how far to pull the latches.
- When reassembling the mouse, both cables should be inserted into the connectors contact-side-up.





Step 7

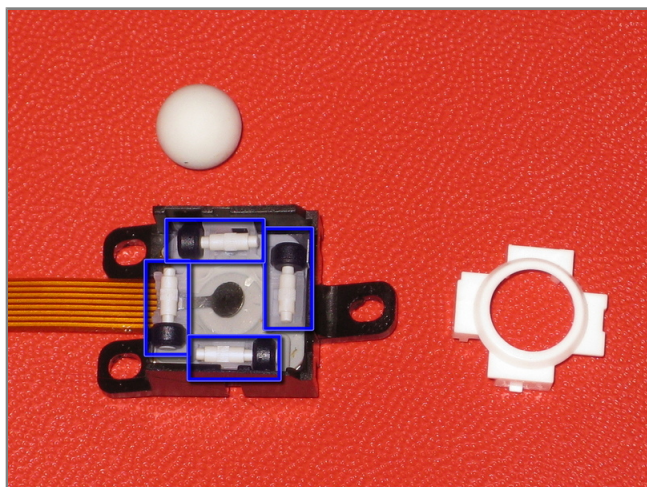
- Remove three Phillips #00 screws that attach the scrollball assembly to the upper shell.



Step 8

- Pry the white ball cover out of the black housing with a small flat-head screwdriver.
- There are small loose parts in the Assembly, be careful when removing the cover.





Step 9

- Remove the four rollers from the black housing with tweezers. They are held in place magnetically.
- Clean all parts in isopropyl alcohol, allow them to dry, and reassemble the device.
- When reassembling the Assembly, the Rollers are placed back with the back wheel end touching the metal tabs.



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

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