

How to Fix an OLPC Keyboard (Matthew Wang and Jayson Dale)

What are the major steps involved for fixing the keyboard on the OLPC XO 1.0 computer?

The first major step when fixing the keyboard on the OLPC XO 1.0 is to remove the battery. The battery is not secured with any screws, so you just flip it off. The next major step is to remove the handle. The handle comes off after the removal of 5 screws situated under the battery. After that, the screen must come off by removing the hinge from the rest of the body. This can be accomplished with the removal of 4 more screws. Once the screen is off, the cover under the XO has to be removed to reveal the keyboard underside and its power supply.

What are the main characteristics of a great tutorial for teaching people how to repair an OLPC?

A great tutorial consists of clear images that are easy to comprehend. The tutorial has to include **all** the steps required so that someone who knew nothing about computers could accomplish the tasks with ease. The images also need to be annotated to further help with the understanding of the images.

What are the pitfalls to watch out for when making OLPC repairs?

Firstly, you can't lose any screws while completing the repair. You have to make sure that the screw is either on a piece of tape or on the XO. Secondly, you need to be careful when putting the handle back on the XO. There are two wires located near the keyboard that can be easily put out of position during the repair.