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INTRODUCTION

No keyboard no sound. It's easy as that. But don't be afraid, replacing it is also very easy.

This guide shows you how to replace the keyboard of your OP-1.



TOOLS:

- [iFixit Opening Tools](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Spudger](#) (1)



PARTS:

- [Teenage Engineering OP-1 Keyboard](#) (1)

Step 1 — key removal



i To get to the screws beneath the keyboard you need to take some keys off. You can use either an opening tool or an opening pick. The first picture shows how it should look like with all the necessary keys off (12 in total).

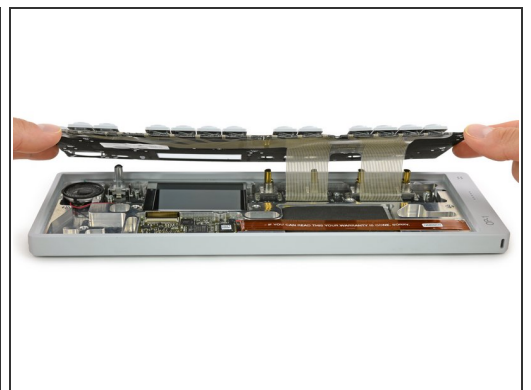
- The four longer keys from the fingerboard are to be handled from the left side to get them off.
- The eight smaller keys need to be levered from the bottom up.

Step 2 — removing scissors mechanisms



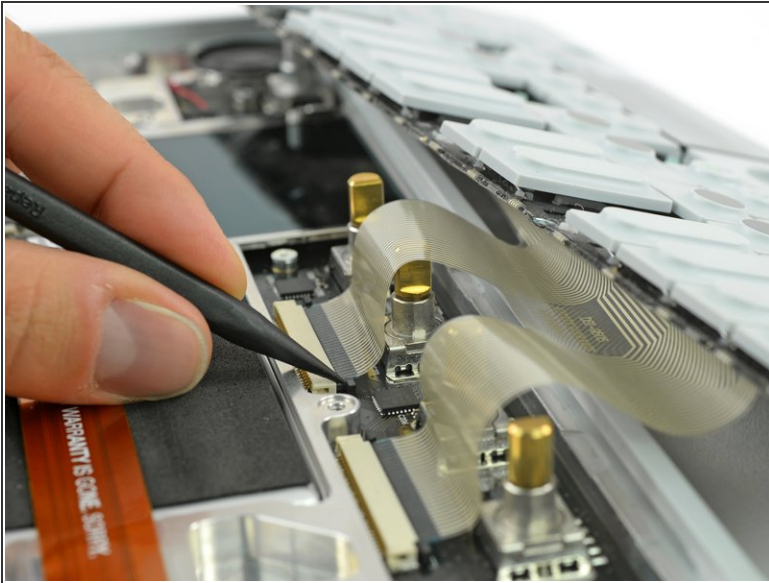
- The scissor mechanism of the eight small keys are obstructing the underlying screws.
- By using again an opening tool or opening pick these can be snapped off easily.
- ⓘ When reassembling be sure to place them in with the correct side facing upwards.

Step 3 — unscrew keyboard



- Loosen those 12 screws with a Phillips #00 screwdriver.
- Then just pull off the four rotary knobs and the volume knob.
- Now it is possible to slightly lift the keyboard and set it back.

Step 4 — Keyboard Connection



- Unlock the flex cables by pushing the two black nibs on both sides of each connector.
- Now you can pull the flex cables out and remove the keyboard completely.
- ✦ When installing the new keyboard, make sure to remove the protective film underneath the screen.
- ⓘ The OP-1 has a mode to test specific functions. You can enter it by holding the "COM" button while powering on, then choose the function test (2). You don't have to complete every test and can power off after the keyboard test.

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