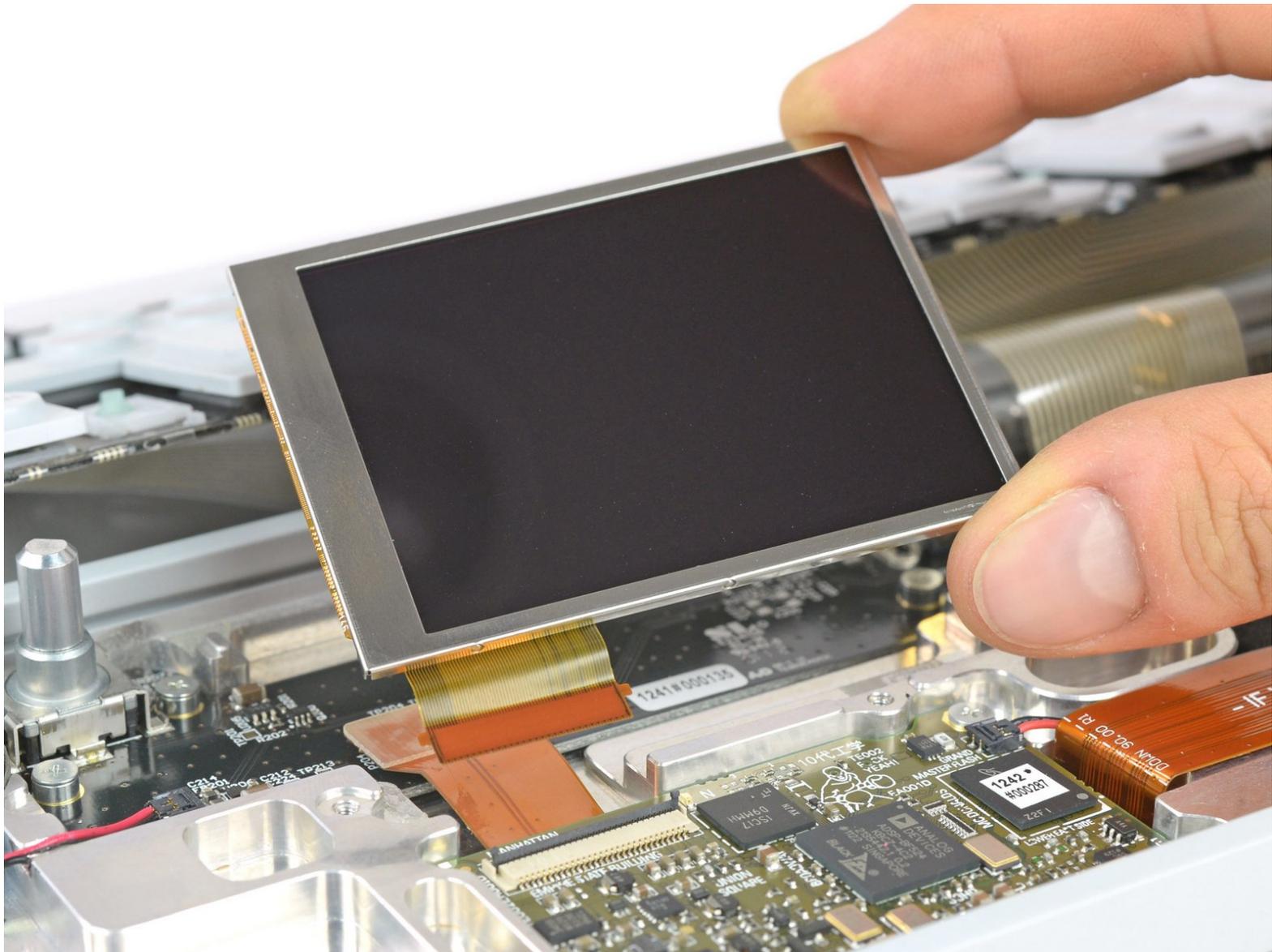




# Teenage Engineering OP-1 Display Replacement

This guide will show you how to replace the display of your OP-1.

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## INTRODUCTION

The display not only gives you useful information, it is also fun to watch the small animations while making sounds. If the display should fail this guide will show you how to replace it.

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### TOOLS:

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

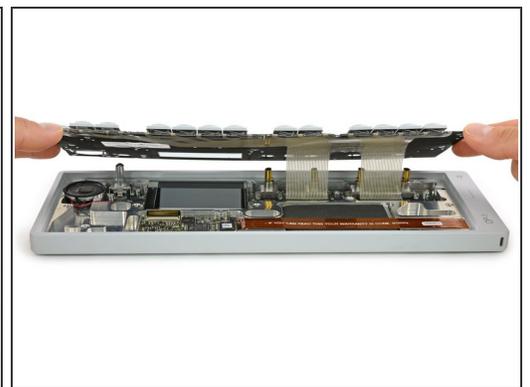
- The four longer keys from the fingerboard are to be handled from the left side to get them off.
- The eight smaller keys need to be levered from the bottom up.

## 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 — Display



- Open the display cable connector by using a plastic opening tool to flip the latch upwards.
  - The display is held in place with a mild adhesive. A spudger helps you to get it free.
  - Now you can unplug the cable and take out the whole display.
- ⓘ After reassembly you want to perform the three function tests (0, 1 and 2) from the OP-1 special start screen. You can enter this menu by holding the COM key when powering up.

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