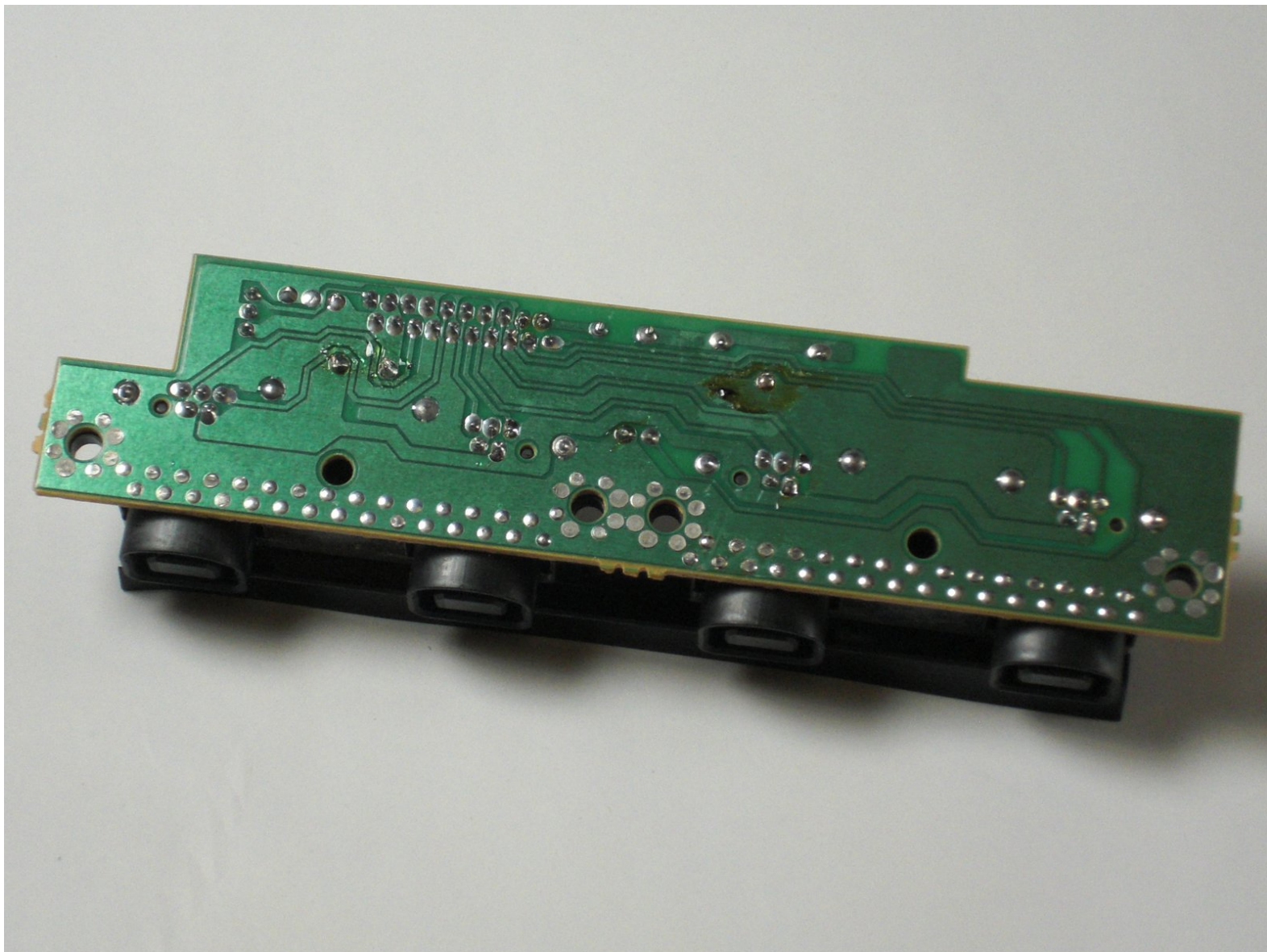# Sega Dreamcast Controller Port Replacement

Written By: Darren Chan

　　　　　　　　　　　www.iFixit.com

INTRODUCTION

Replacing the F1 fuse on the controller board of the Sega Dreamcast. *Soldering is required for repair*.

Required parts

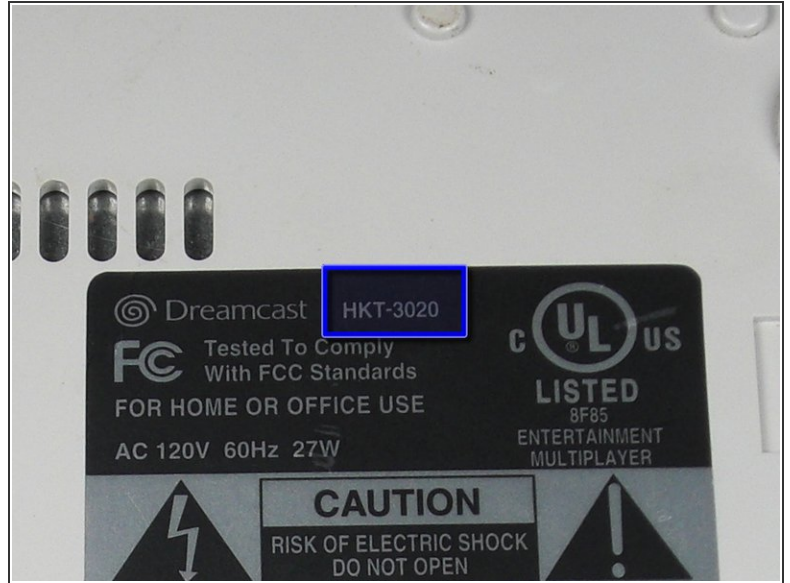- 5 Ohm 1/2 watt fuse resistor OR two 10 Ohm 1/4 watt metalized resistors

- Controller board

TOOLS:

- Desoldering Braid (1)
- Phillips #2 Screwdriver (1)
- Solder (1)
- Soldering Iron (1)

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Step 1 — Expansion Bay

⚠ Verify that the console is disconnected from the AC outlet before you begin.

● **Flip the console** over on its back.

● **Take note of your model number**, in case replacement parts are needed.

Step 2

● **Remove the expansion bay** by applying pressure to the small clip on the expansion bay while prying it away from the console.

Step 3 — Top Cover

- **Locate and remove all four black 12mm Phillips #02 screws** from the underside of the console.

- (i) Note: Remove the expansion bay to locate the fourth screw

Step 4

- ⚠ Internal components can be loose. Be careful that they do not fall out when removing the cover.

- Turn the console right side up.

- **Remove the top cover** by gently lifting the upper portion of the console.
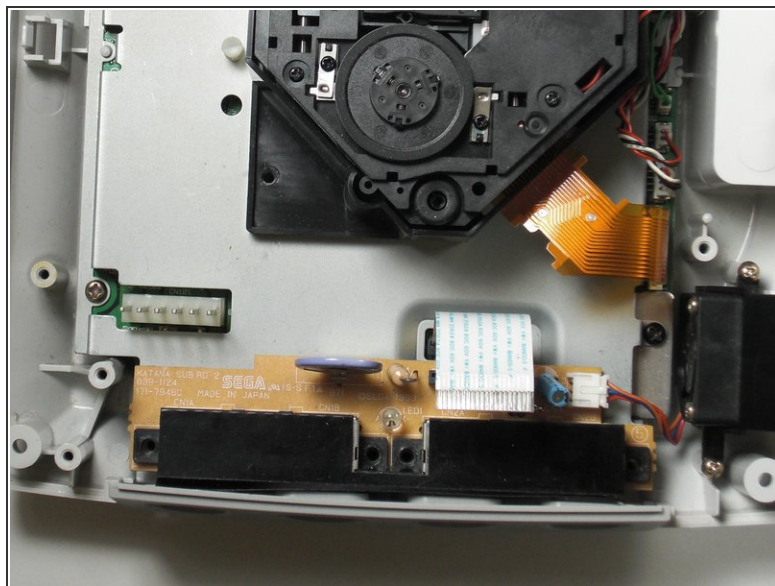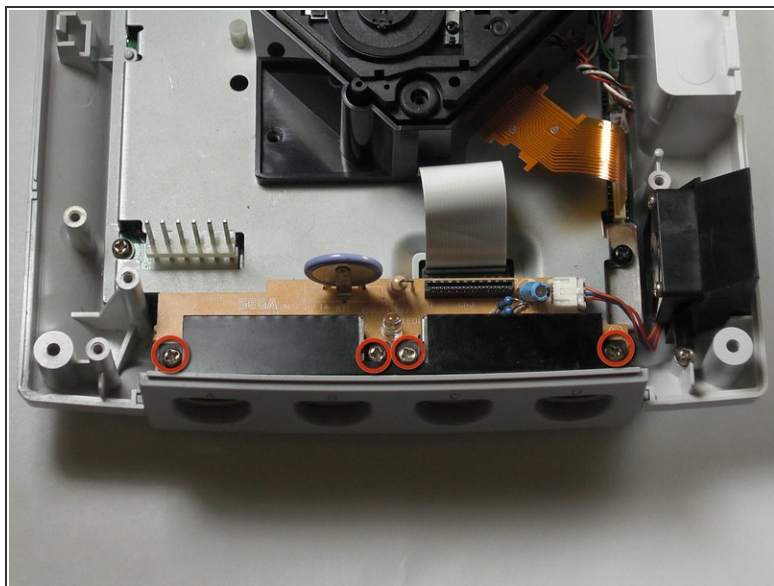
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Step 5 — Controller Port
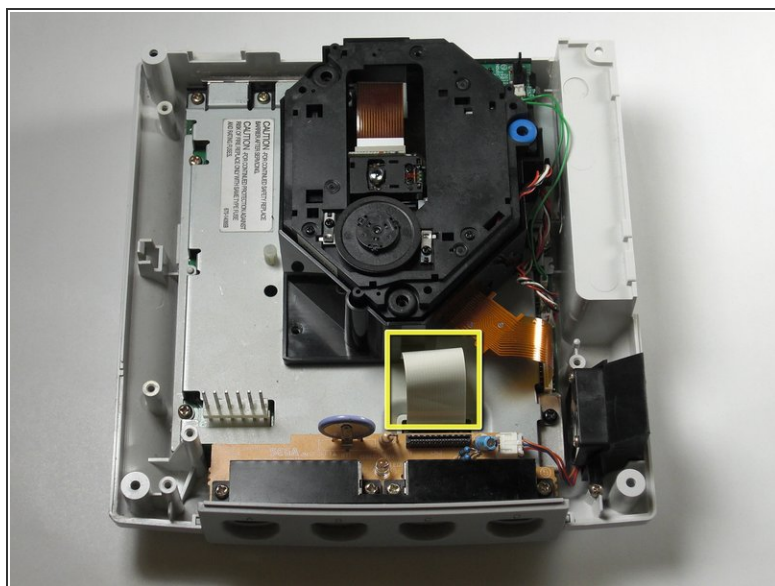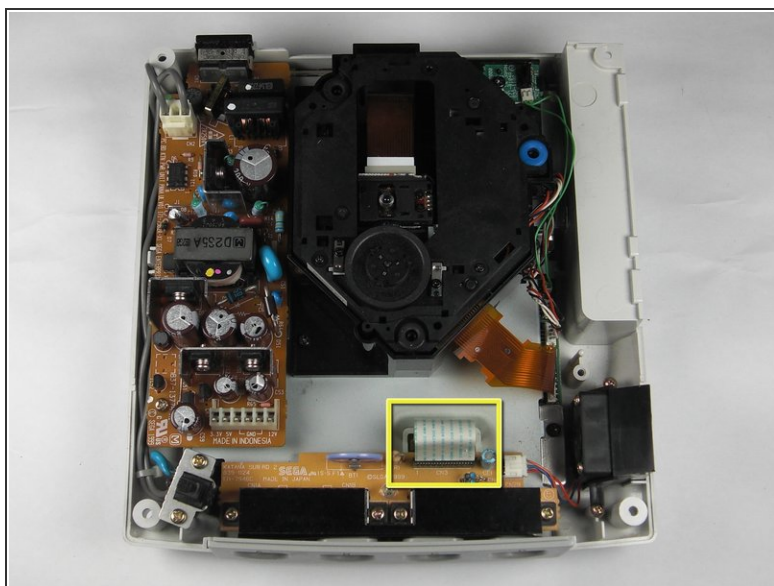
⚠ Be gentle with the white controller cable as it can be a bit fragile.

● **Disconnect the white controller cable** by gently pulling the the cable while wiggling it back and forth until it detaches from the controller board.
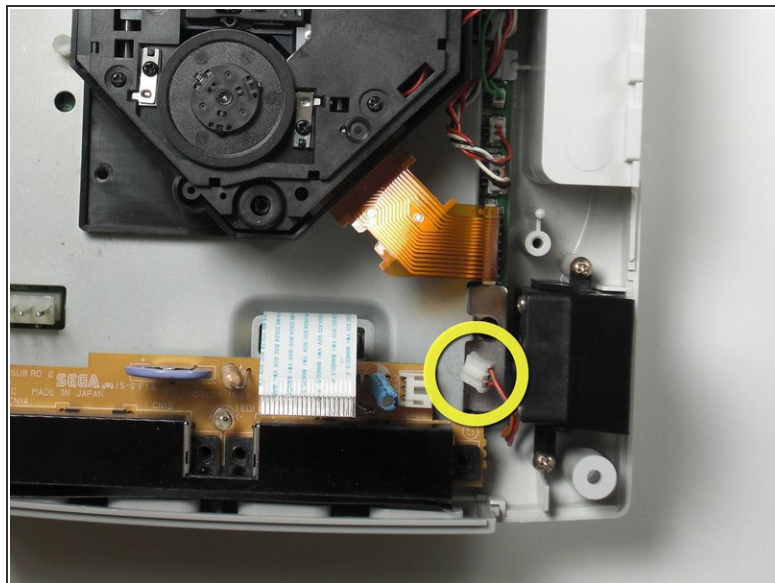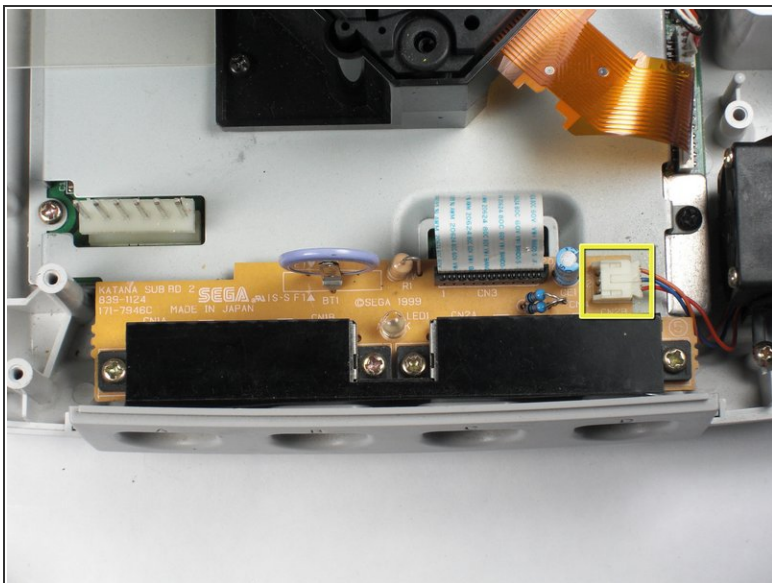
Step 6

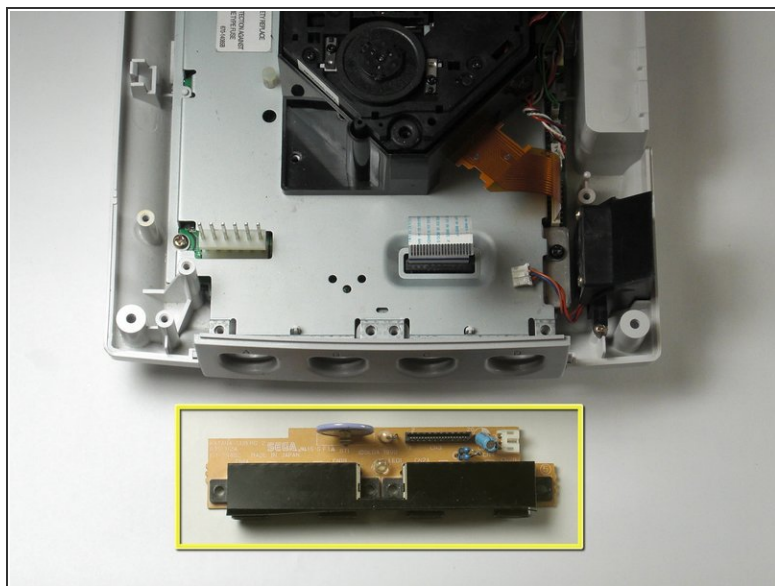● **Remove the four 14mm Philips #02 screws** located on the controller board.

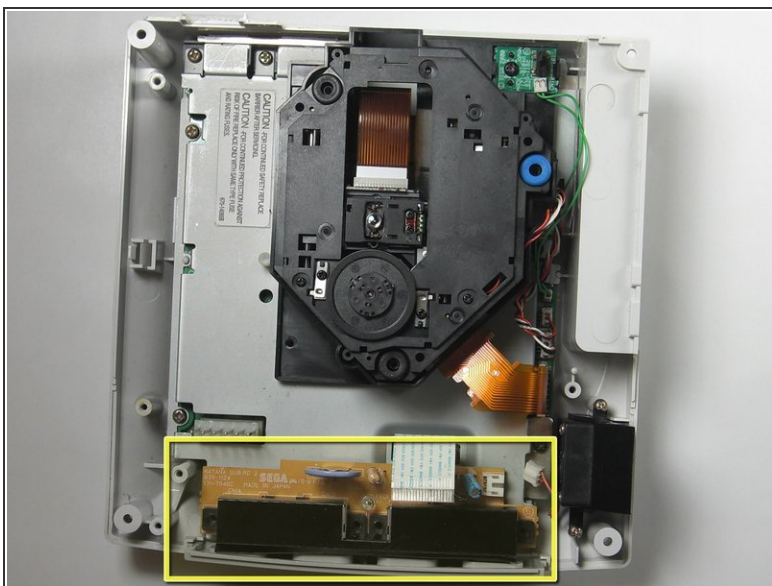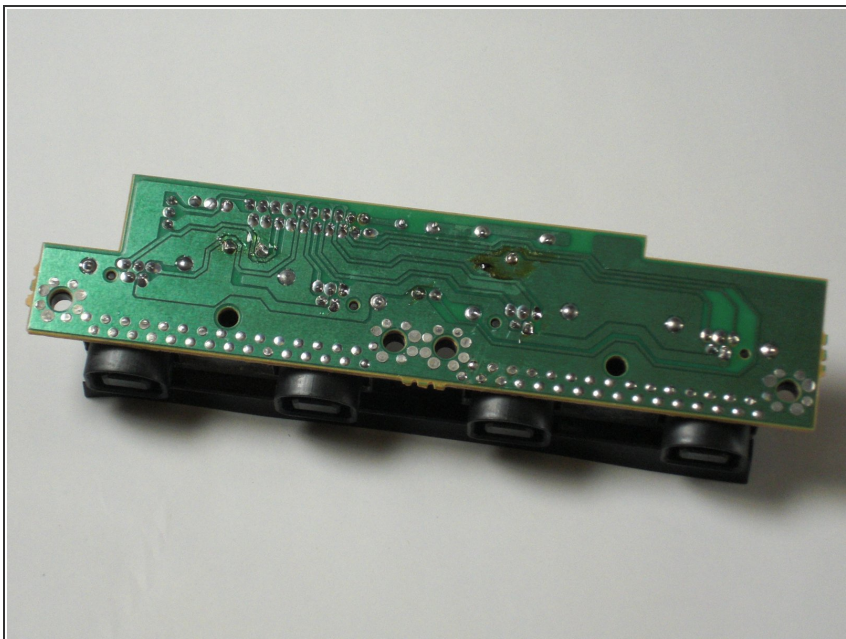This document was generated on 2020-11-14 02:42:29 PM (MST).

Step 7

- **Disconnect the white fan header** from the controller port.
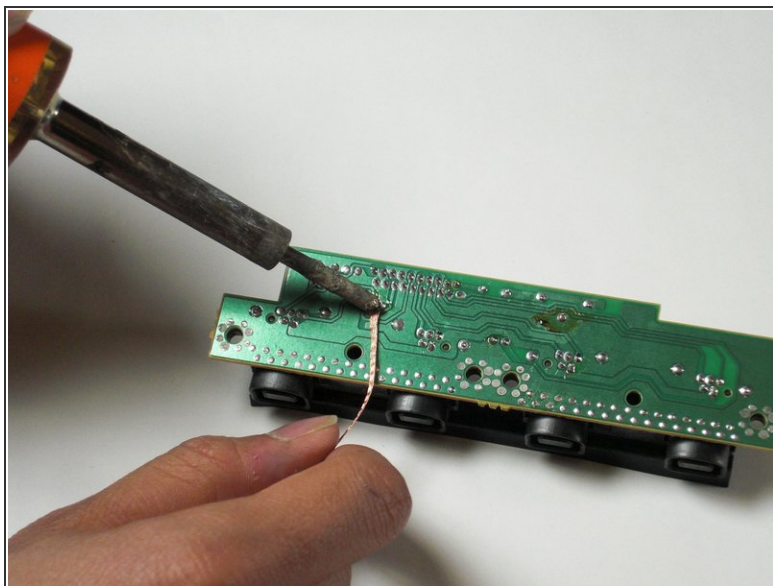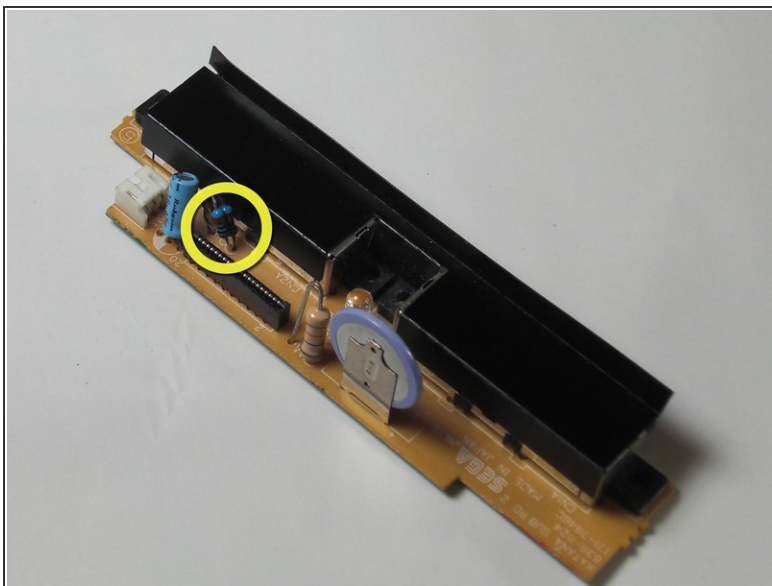
Step 8

- **Remove the controller board** by lifting it up from the controller port.

Step 9 — Controller Port

- **Flip the controller board** on its underside so that the solder joints are exposed.

Step 10

- **Remove the F1 fuse** by using the soldering iron and desoldering wick.

- The F1 fuse is clearly indicated on the topside of the controller board.

- (i) If the F1 through-hole of the circuit board is not visible, you may clean the it by removing the excess solder by using the soldering iron and desoldering wick.

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Step 11
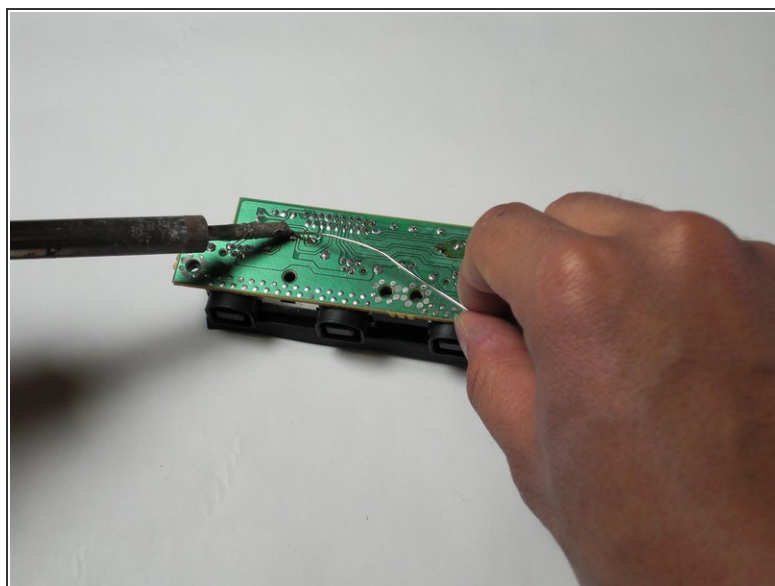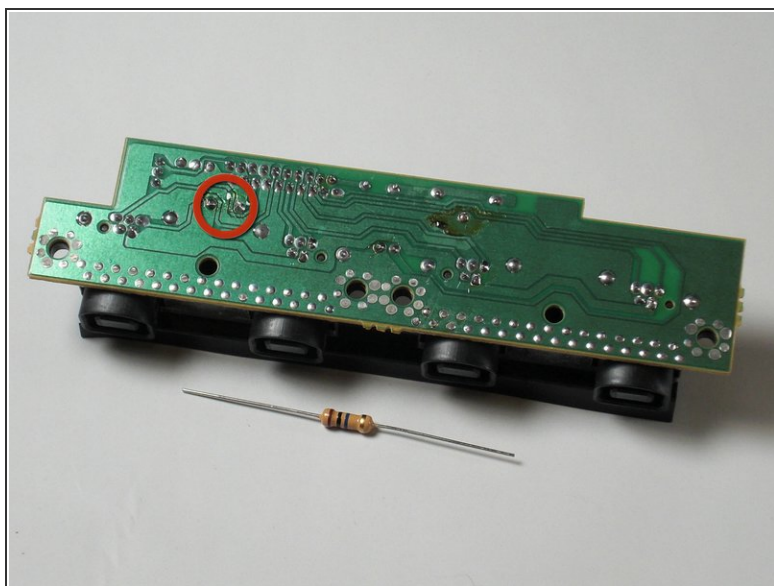
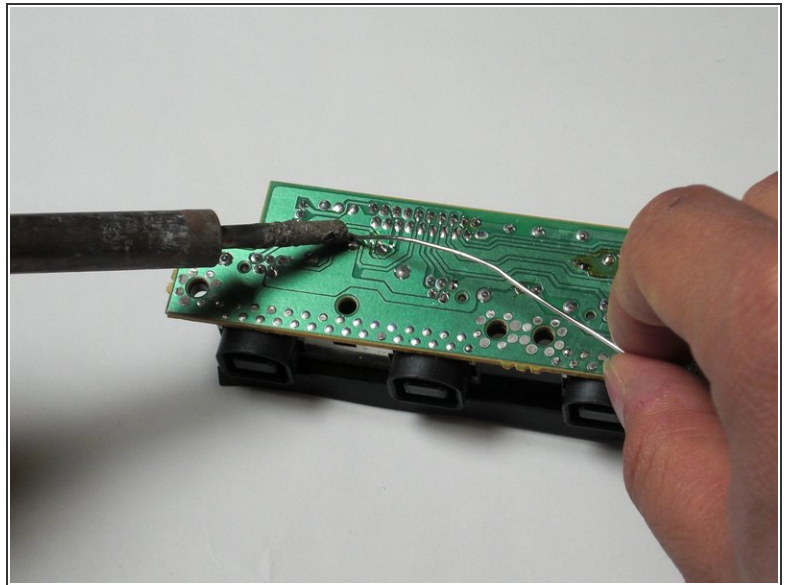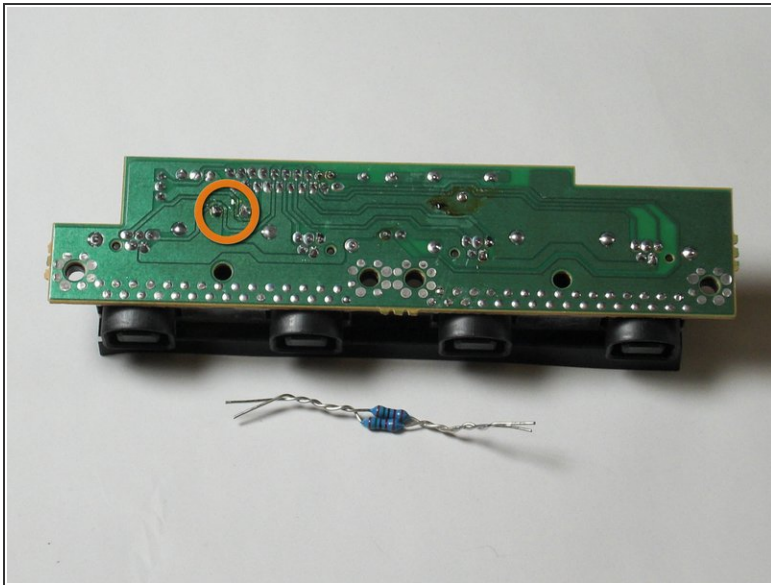ⓘ If you are not using a fuse resistor, skip this step. Otherwise, continue.

● **Insert and solder the new fuse resistor to F1 socket.**

ⓘ The fuse resistor should sit on the topside of the board and the leads should be exposed on the underside. Orientation of the fuse resistor does not matter

ⓘ The 10M 1/2 watt resistor in the picture is used to depict what a fuse resistor might look like.

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Step 12

ⓘ If you have already used a fuse resistor to complete the previous step, you may omit this step.

● **Insert and solder the [parallel](#) 10 ohm 1/4 watt resistors to the F1 socket.**

ⓘ The resistors should be laid out on the top side of the circuit board and the leads should poke out from the underside. The orientation of the resistor does not matter.

ⓘ The 1/4 watt resistors shown in the picture are used to depict what parallel resistors should look like.

Step 13
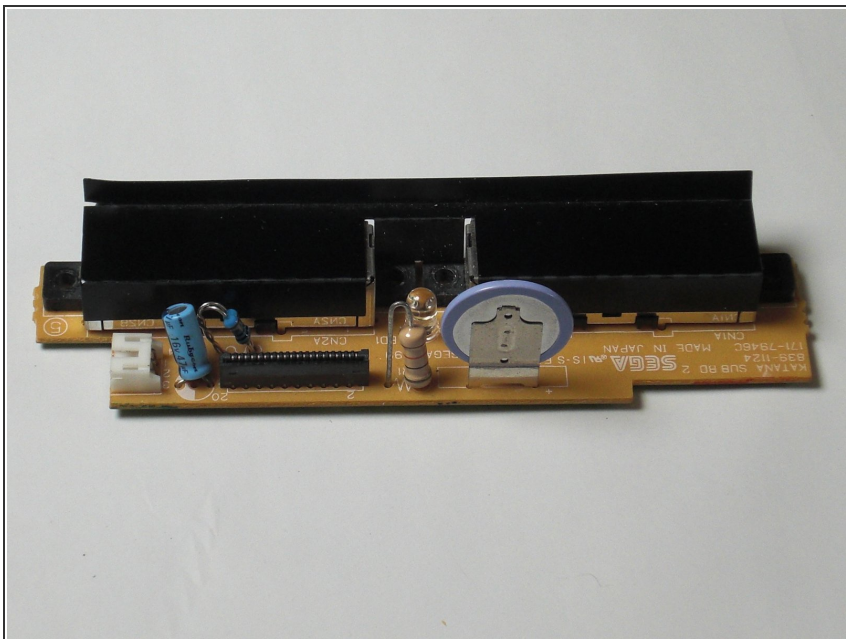
⚠️ **Verify that the resistor(s) leads do not touch other components** on the topside of the circuit board. Otherwise, a [short circuit](#) may occur when you power on the system.

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