

# Sega Dreamcast (NTSC) Controller Port Kit (Non- Rechargeable Battery)

## Component Guide

### 47uF 10v Capacitor

*Location: CE1*

Capacitors keep a consistent flow of electricity to other components. They typically have a lifespan of 20 - 30 years and given the age of most Dreamcasts it is recommended to replace the capacitor now as preventive maintenance. Be sure to install the capacitor in the correct polarity with the longer lead facing toward the positive direction.

### 72v 400mA Resettable Fuse

*Location: F1*

Fuses are safety devices that prevent unsafe current from reaching vital components of your Dreamcast. Included with this kit is an upgraded "resettable" fuse. If the fuse ever blows it can be reset by leaving the Dreamcast unplugged for a few seconds without the need to replace the fuse.

### Coin Cell Battery Holder

*Location: BT1*

The factory CMOS battery is soldered to the PCB and is not easily replaceable. This upgrade allows for future replacements of the CMOS battery without the need for soldering.

### 13 Ohm 0.5w Resistor

*Location: R1*

Resistors typically have a very long lifespan. It is included in this kit as an optional replacement.

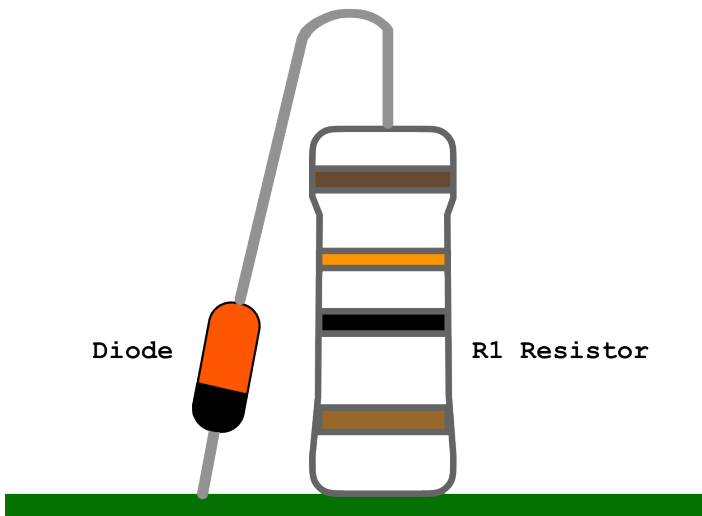
### Schottky Diode

## Location: R1

Since this kit is intended to be used with a non-rechargeable battery, a “Schottky” diode is used to prevent electrical current from reaching the battery and causing damage.

The diode will be installed attached to the resistor found at R1. Cut the top lead of the resistor to attach the diode as seen in the diagram. Be sure the cathode/negative end (the black stripe) is facing down toward the board.

## Diagrams



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