



# Fixing the Brew Button of a Mr. Coffee Coffee Maker

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# Coffee Maker Details

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**Mr. Coffee 10-Cup Coffee Maker**

**Optimal Brew Thermal System**

**Model Number: BVMC-PSTX91**

**Purchased New: 9 April 2017**

**Cost: \$69.99**

**Broken: 26 August 2021 (~4.4 years)**

**Use: Approximately two button-presses daily.**

- One press to start the brew process.
- One press to silence the Fresh Brew™ Timer.



# What Needs To Be Fixed?

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The Brew Button of the coffee maker does not start the brew process. The feel of the button changed from previous use.

Assumption: The microswitch failed.

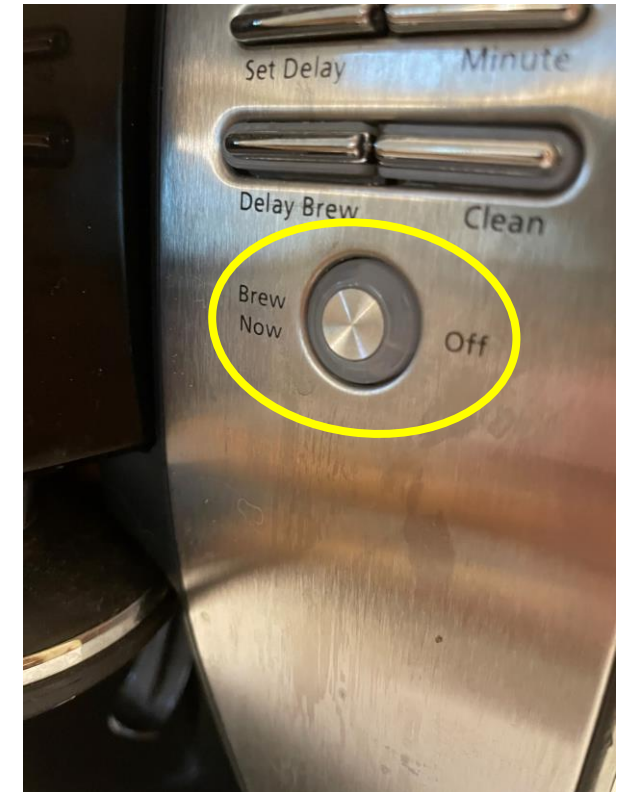
Plan: Disassemble the coffee maker to access the control board and replace the microswitch.

Rationale: Microswitches are generally easy to source and replace.

Effort: **Moderate** – Disassembly may be complicated. Removal and installation of the microswitch may require detailed soldering. Identification and acquisition of the correct microswitch may take an hour or two.

Cost: **Low** – Microswitches are inexpensive (<\$1 each).

Duration / Schedule: **8 hours / 1-2 weeks** – A few hours each disassembly and reassembly. An hour or two to identify and order the microswitches. 1-2 weeks shipment of the microswitches.



# Disassembly

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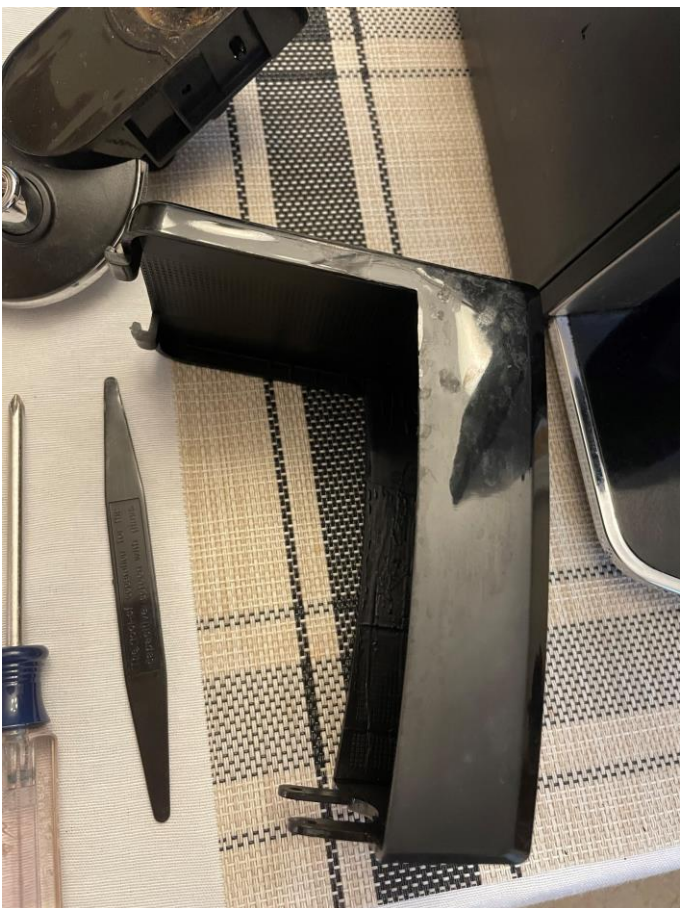






































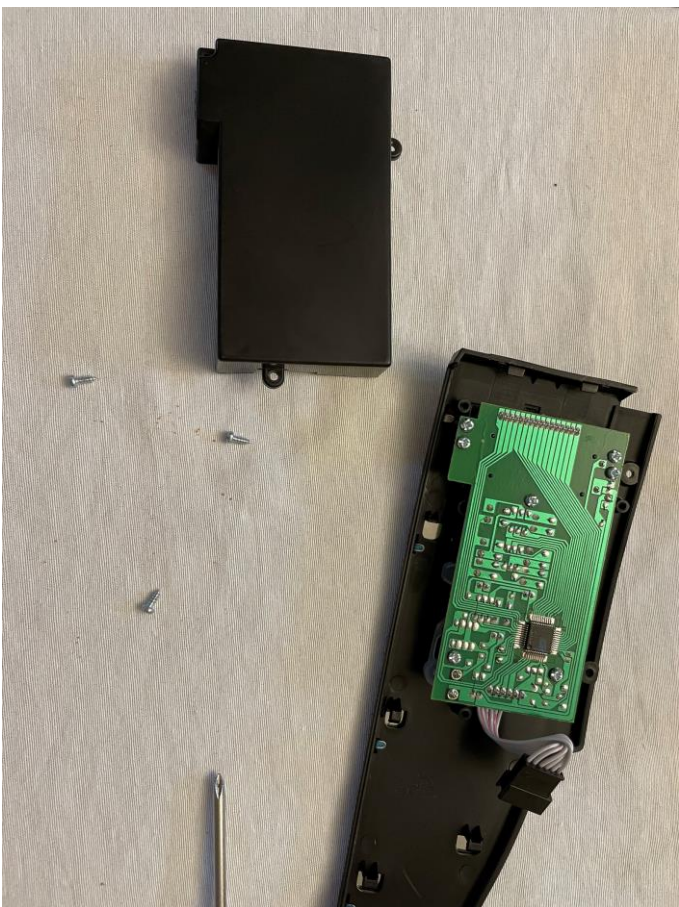


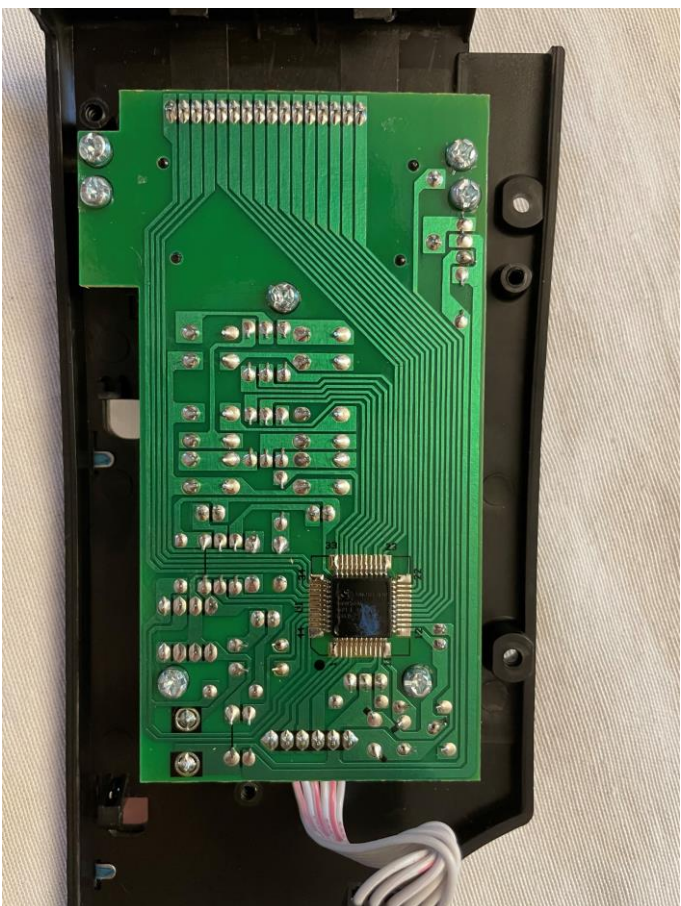




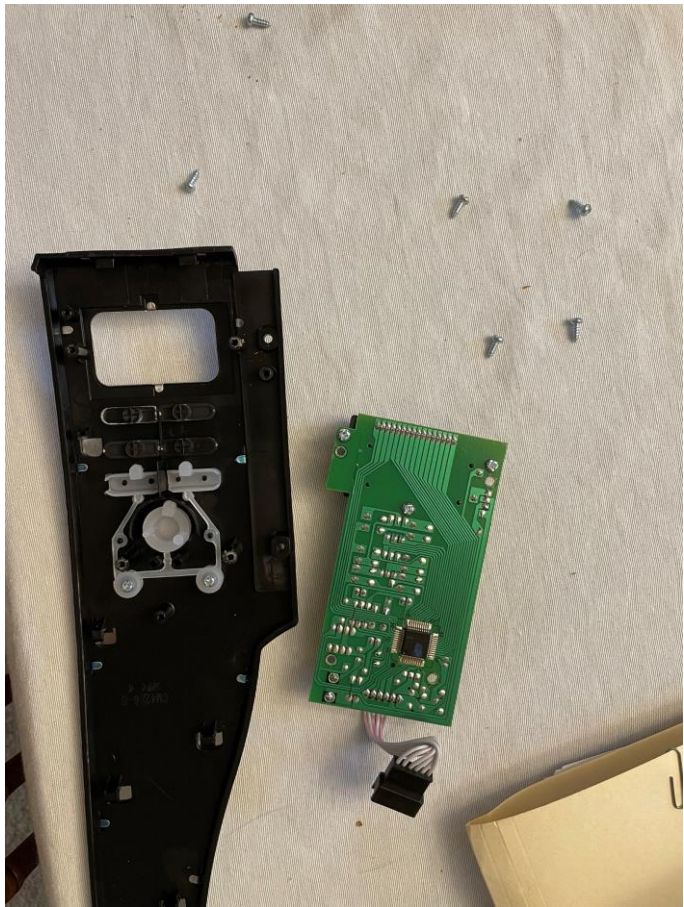


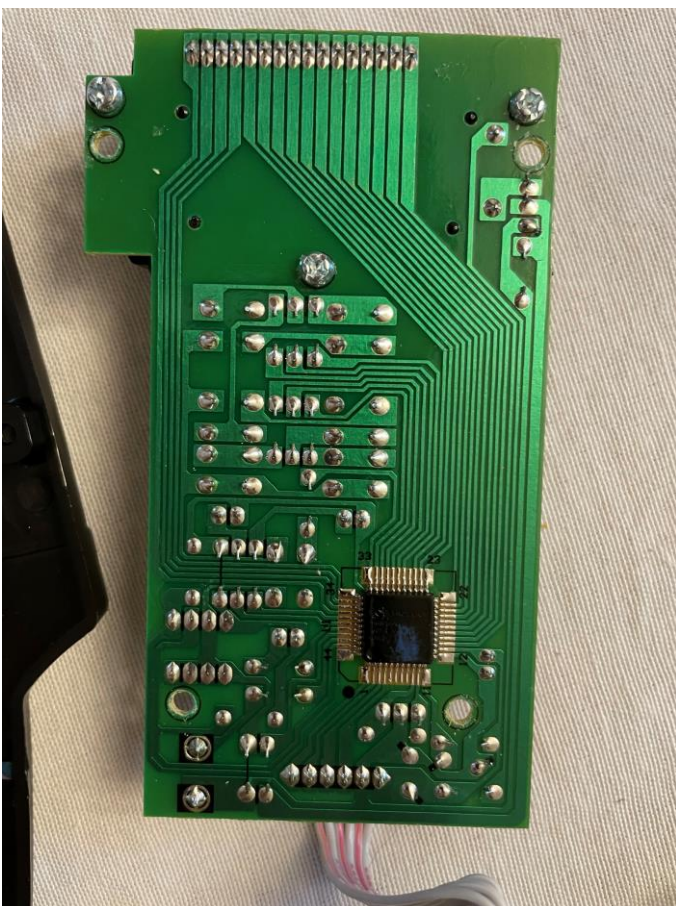




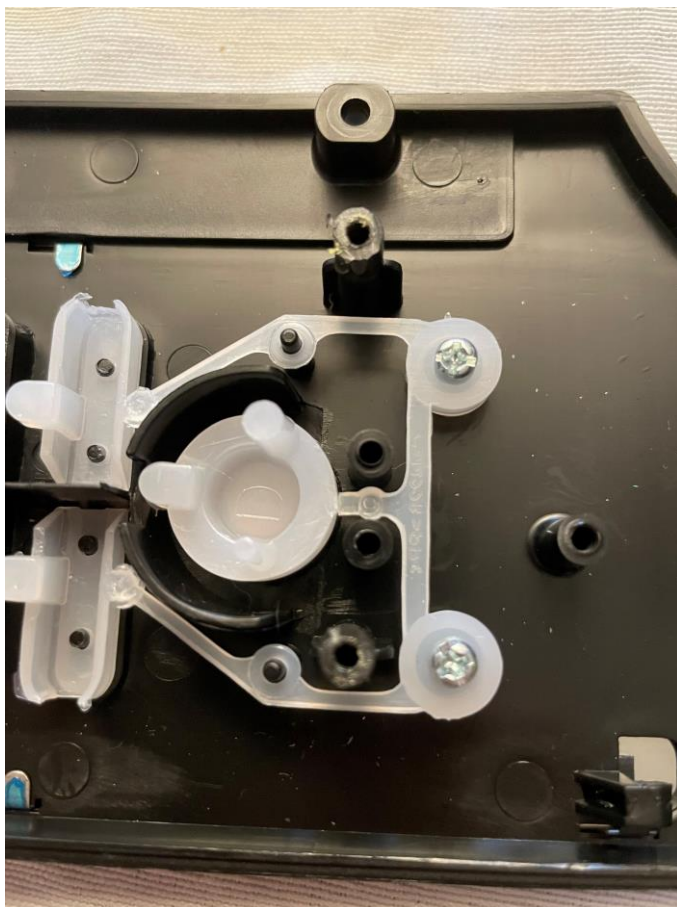






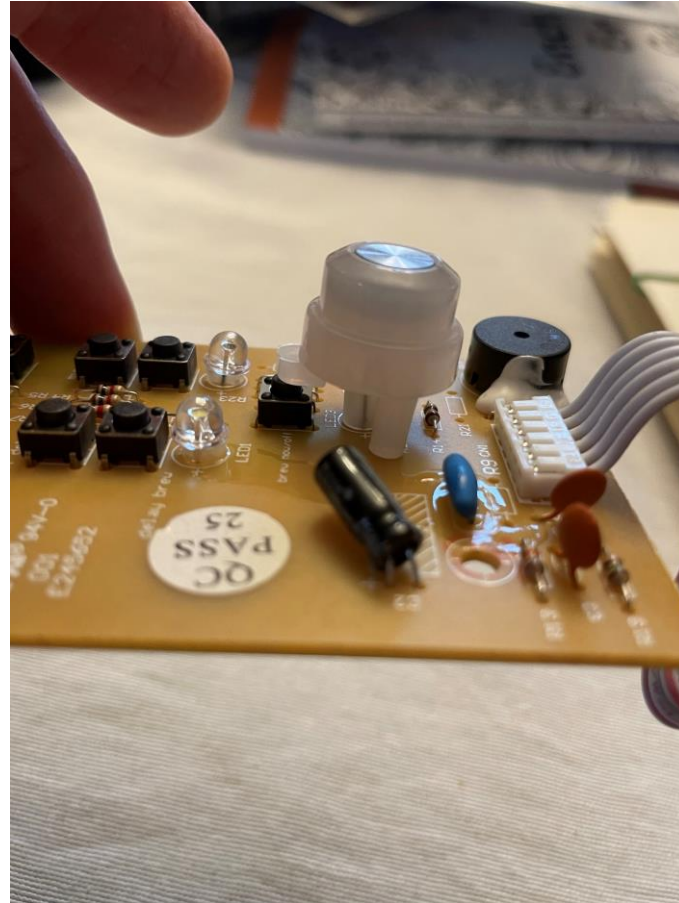












# Broken Part

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