



Texas Instruments TI-80 Button Replacement

This guide will demonstrate the proper procedure for removing and replacing the buttons.

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INTRODUCTION

Buttons will sometimes become cracked or damaged, or they may fall out. This guide shows you how to access, remove, and replace the buttons.

TOOLS:

- [Spudger](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
 - [T6 Torx Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
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Step 1 — Batteries



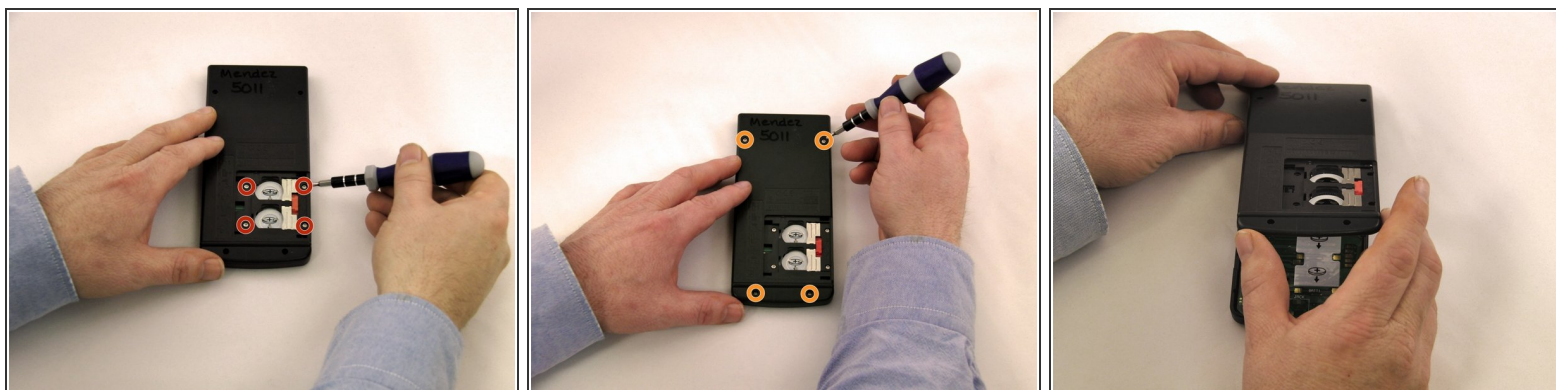
- Locate battery cover on the back of the case.
- Slide battery cover to the right reveal the batteries.

Step 2



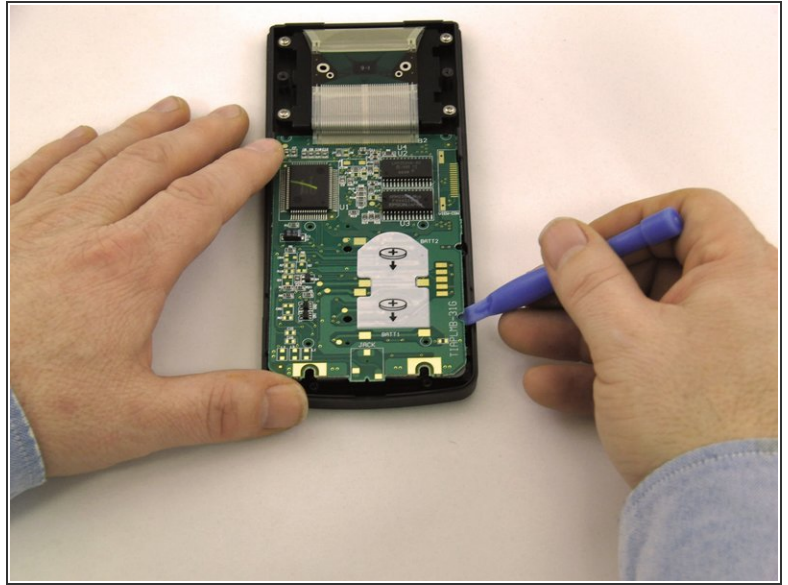
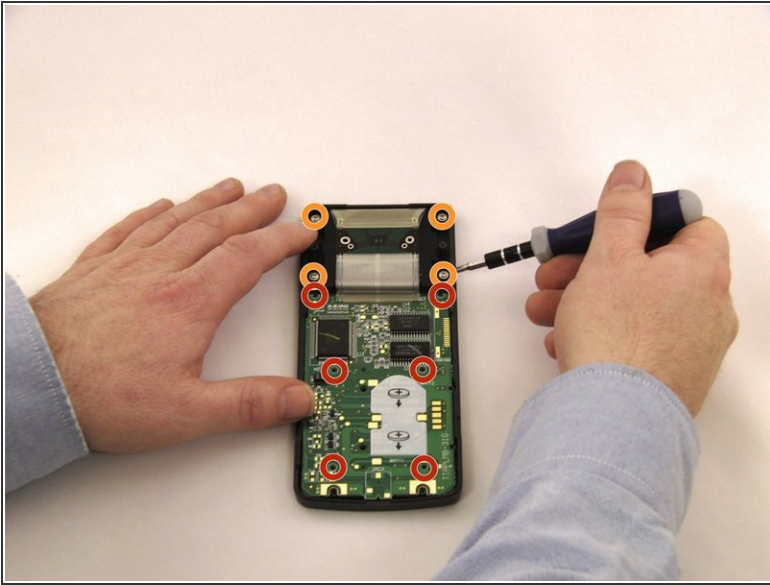
- Remove battery cover.
- Slide the red lock down.
 - Slide the metal tab to the right of the top battery.
- Remove the 3-Volt Lithium Coin Cell Battery.
- Slide the red lock up.
 - Slide the metal tab to the right of the bottom battery.
- Remove the 3-Volt Lithium Coin Cell Battery.

Step 3 — Back Case



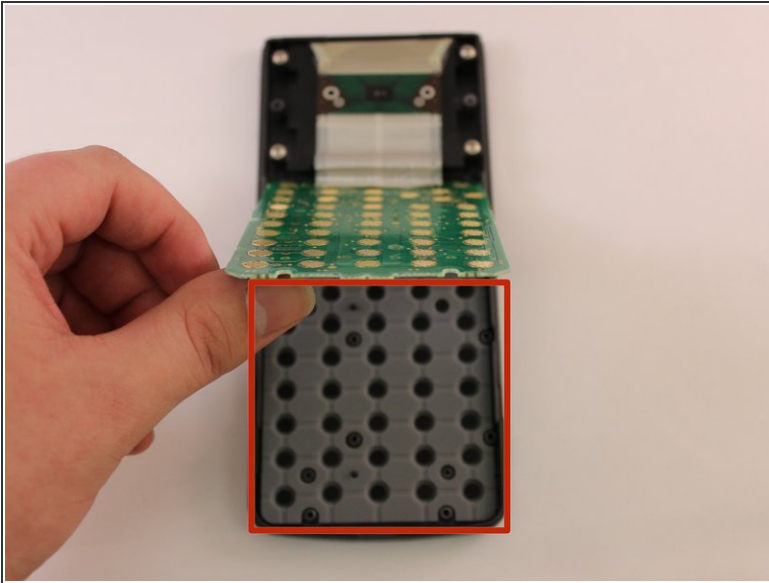
- Using a Torx, T-6 star-bit screwdriver, unscrew four 7.38 mm screws from battery housing.
- Unscrew four 7.15 mm screws from back casing.
- Using the blue plastic opener tool along the seam of the case, pry off front casing.
- ① Start prying from the bottom of the calculator as the casing hooks into the top.

Step 4 — Motherboard and Screen



- Using a Philips PH0 screwdriver, remove the 6 screws. 2 from the top of the Motherboard, 2 from the middle, and 2 from the bottom of the Motherboard.
- Using a Phillips Ph0 screwdriver, remove 4 screws from the screen mount.
 - Using the blue plastic opening tool, pry the Motherboard up.
 - Using the blue plastic opening tool, pry up the screen from the screen mount.

Step 5 — Check keyboard mat




- Check the rubber mat for damage or obstruction at the location of non-functioning buttons.
- Flip the mat over to assess dirt and damage.
- ⓘ Replace the mat if it is damaged.
- ⓘ Clean off the back of the Motherboard as necessary. The mat lies on top, so dirt and debris may build up. Repeat cleaning as needed.

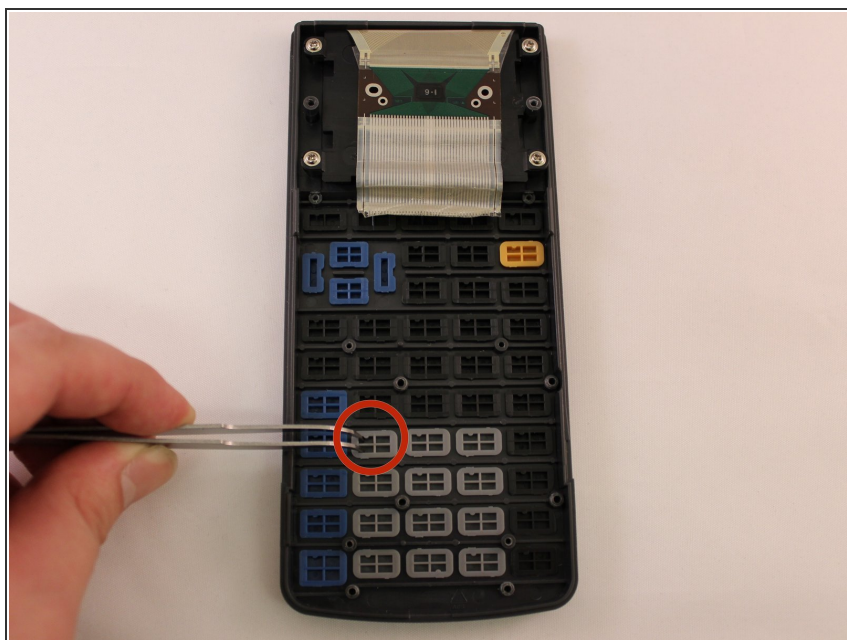
Step 6 — Check Buttons



- Check the back of the buttons for damage or obstructions.
- If obstructions are present, clear them.

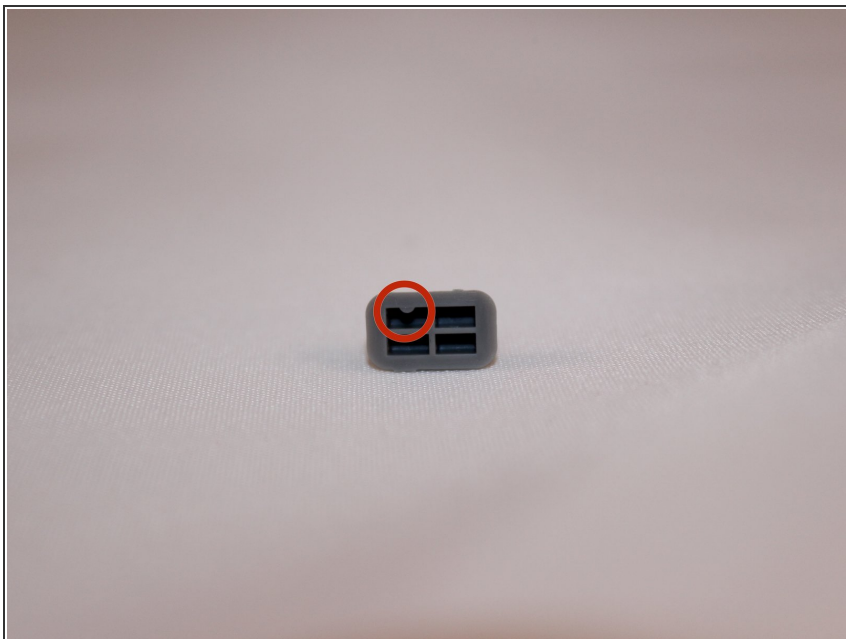
 Do not tilt the calculator, or buttons may fall out.

Step 7 — Replace Buttons



- If a button is damaged, use tweezers to lift the button out of the facing.

Step 8 — Insert new Buttons



- Insert new button, making sure that it is positioned properly.
- ⓘ For all buttons, there is an extrusion in the upper left quadrant when looking at the back of the key. These should be aligned with the top of the calculator.

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