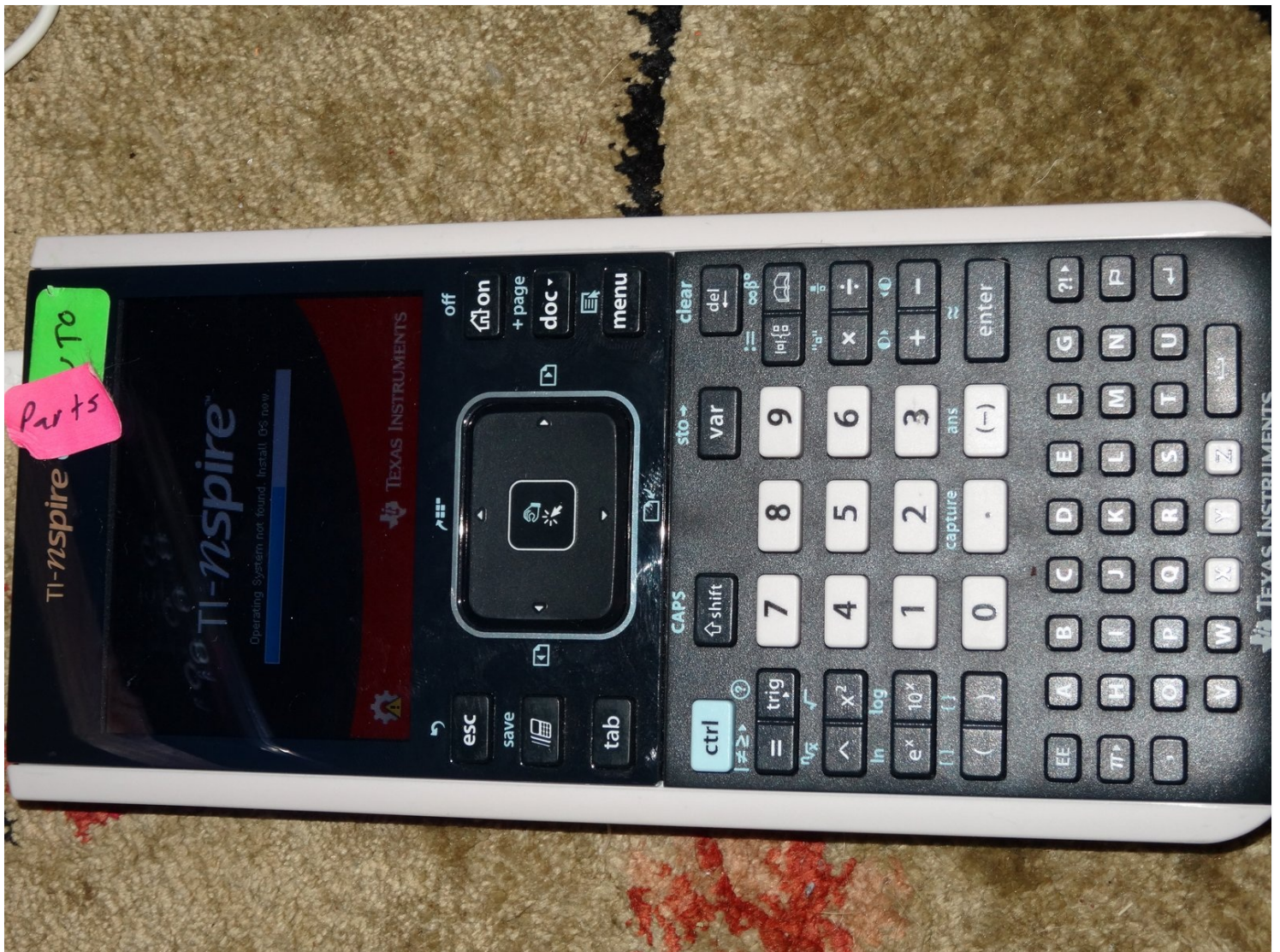




# Texas Instruments TI-Nspire CX Defective Button Repair

Sometimes corrosion can form inside the buttons...

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# INTRODUCTION

Sometimes corrosion can form inside the buttons of a TI-Nspire CX calculator, causing them to stop working correctly. This guide will show you how to disassemble the calculator and clean the problematic buttons, which should help solve the problem.

## TOOLS:

[64 Bit Driver Kit](#) (1)

## Step 1 — Texas Instruments TI-Nspire CX Defective Button Repair



- Power down the calculator with the OFF function.

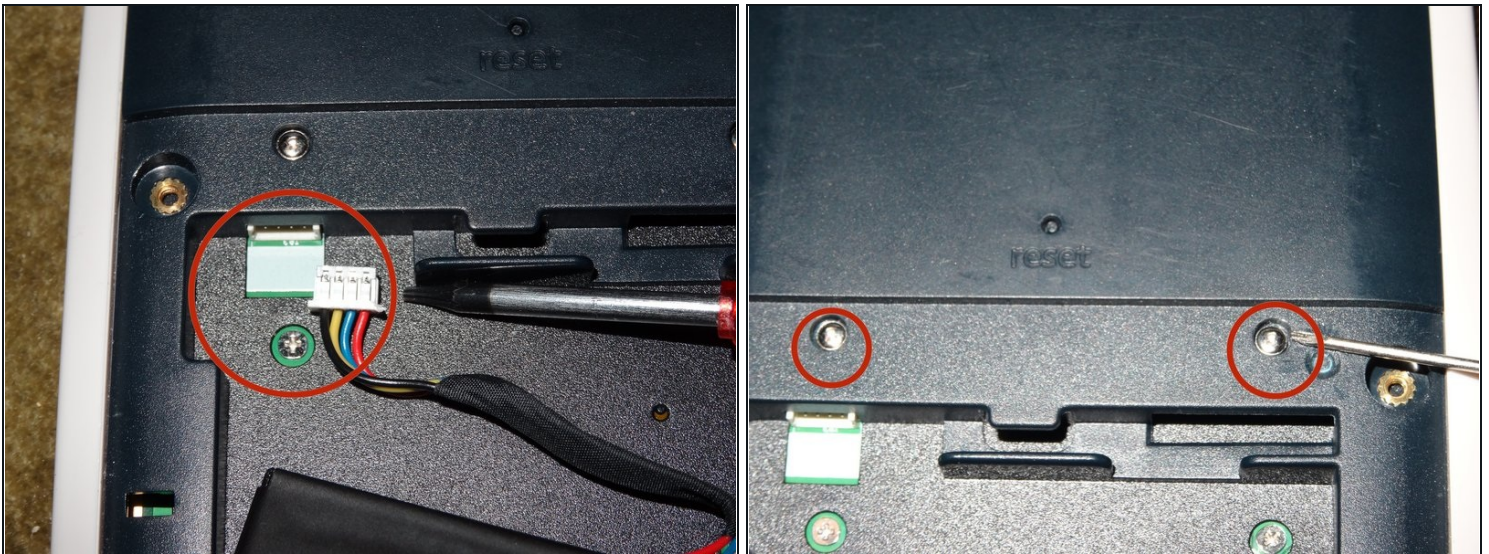


## Step 2



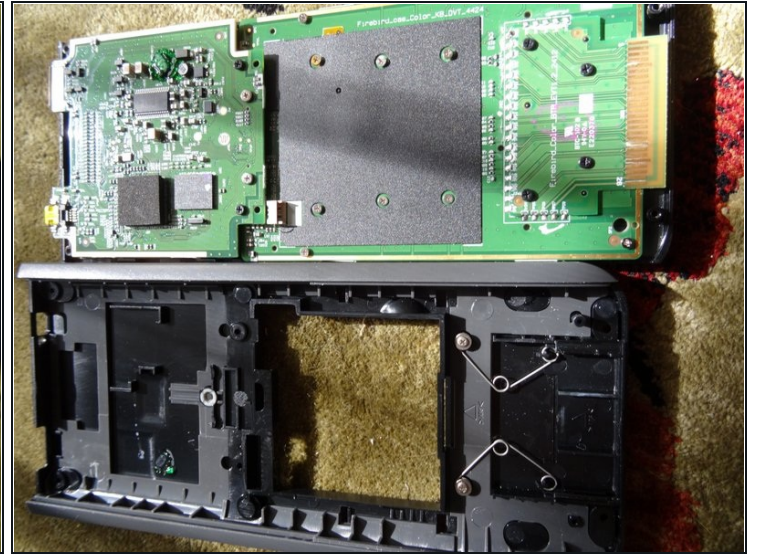
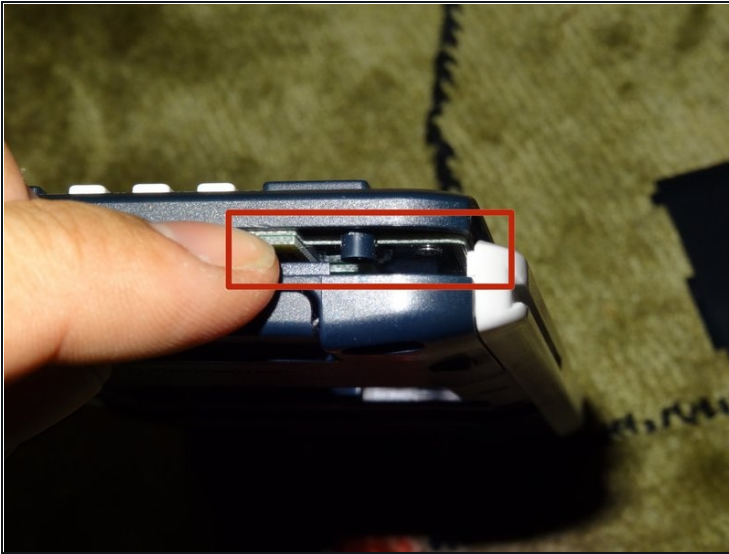
- Remove the feet from the top of the calculator to reveal the top clutch screws.
- Unscrew the clutch screws, the torx bottom screws, and the battery drawer screws.  
⚠ Use a 1mm flathead screwdriver for the clutch screws.
- ⚠ You will need to switch your screwdriver bit for the torx screws. Be careful not to strip the screws.

## Step 3



- Disconnect the power cable in the battery case.
  - ① Pulling the cable out by hand is best. The plastic is delicate, so use pliers only if the adapter is stuck.
- Unscrew the two clutch screws above the battery case, using the 1mm flathead screwdriver.

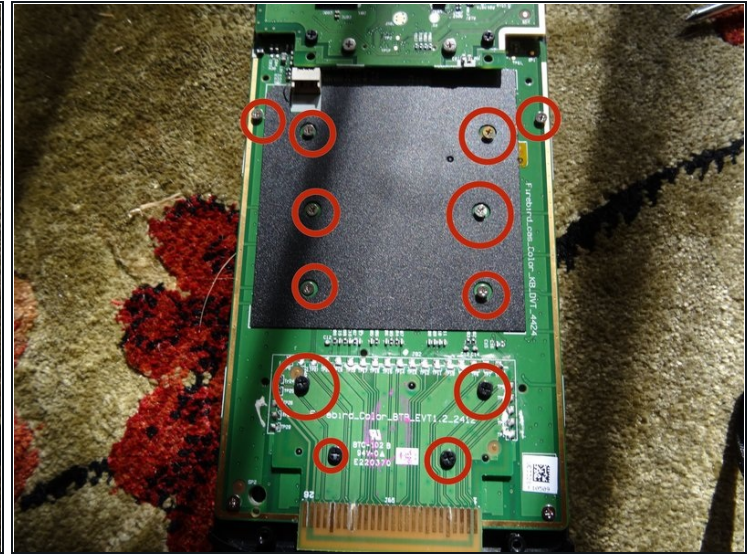
## Step 4



- Remove the front panel by loosening all around the edges, then carefully pulling the panel loose.
  - ⚠ While removing the panel, several buttons may come loose. Be sure to have a clear work surface to catch them.
  - ① You do not need much force to remove the panel. Your fingers are usually enough, but if you have trouble use the spudger.



## Step 5



- Unscrew the sixteen screws circled in the pictures.
  - ① Four of these screws are around the connector, while the other twelve are on the circuit board itself.

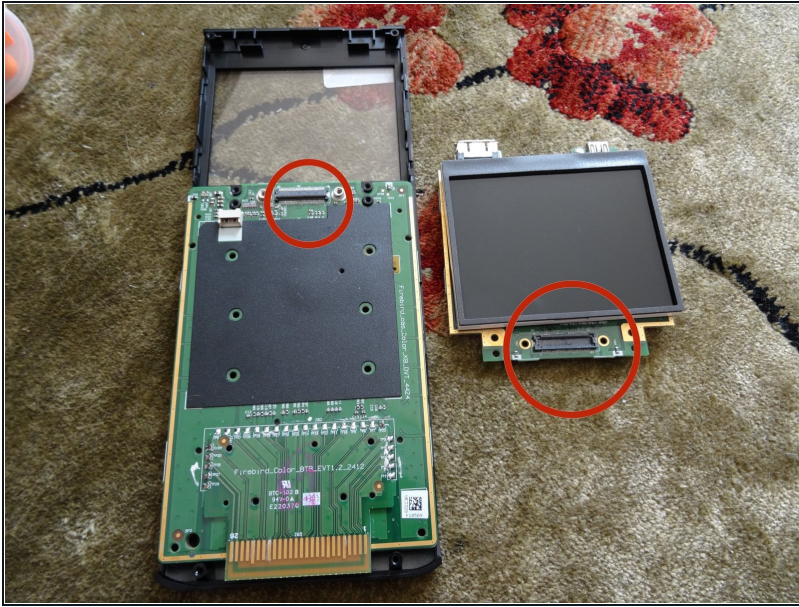
## Step 6



⚠ The internal spacers may fall out while you are working. Make sure to put them somewhere safe.

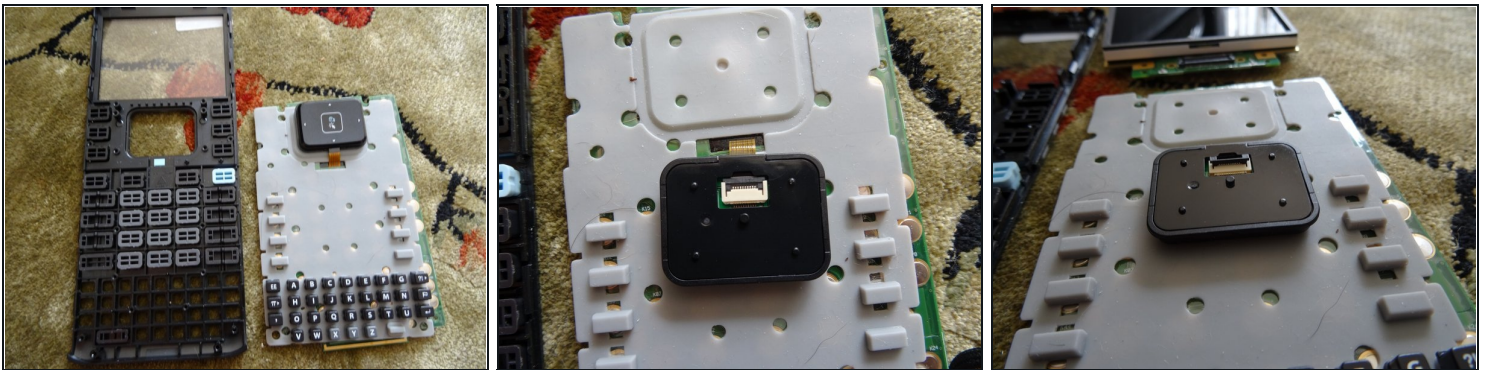


## Step 7



- Pull the top circuit board and the screen off. You should not need much force to undo the connector between them.
- ① Although your calculator is in several pieces now, do not worry. There is little chance of causing damage.

## Step 8

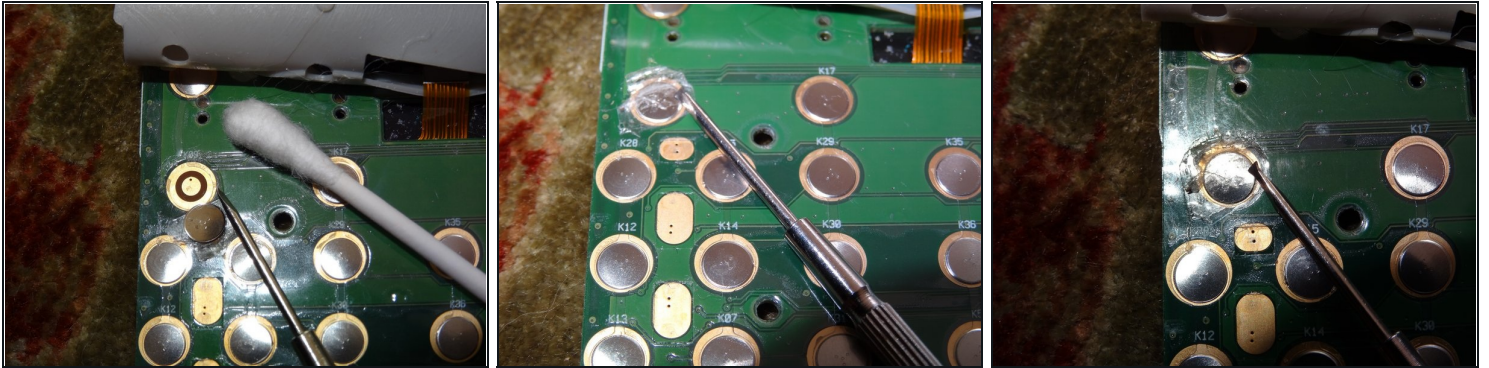


- Take the keyboard off. The buttons will fall out now, so take care to put them somewhere safe.

⚠ Be careful not to lose any of the buttons.

- Take the mouse flex cable off, otherwise it will dangle. Flip up the tab.

## Step 9

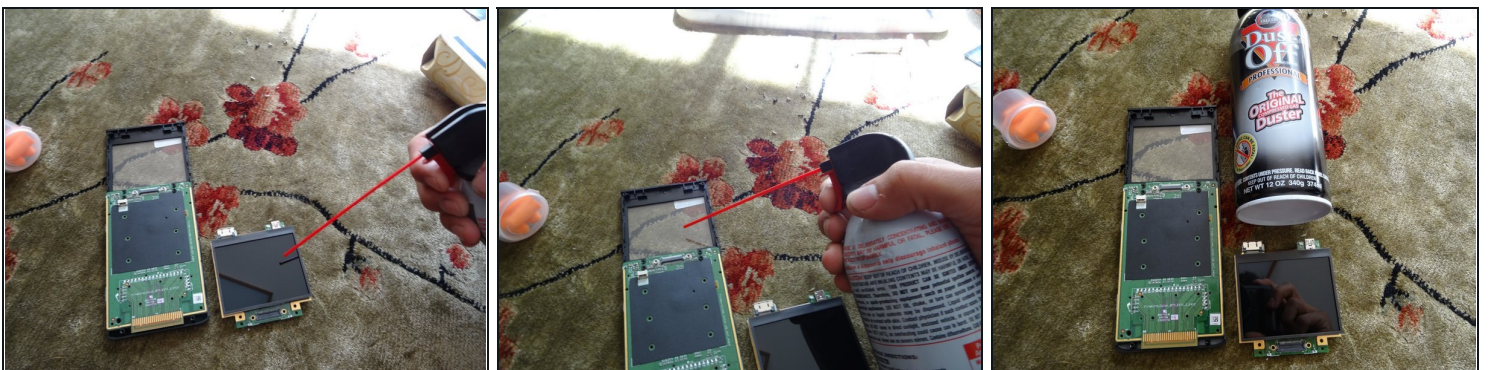


- On the circuit board, cut around the failing button with a safety knife. Once it is loose, peel it off delicately with a screwdriver or [tweezers](#).
- Clean the button with rubbing alcohol.

⚠ Be careful not to dig into the circuit board with the knife. This could seriously damage your calculator!

- Place the button back on the circuit board, then use a small amount of adhesive tape to reattach it.

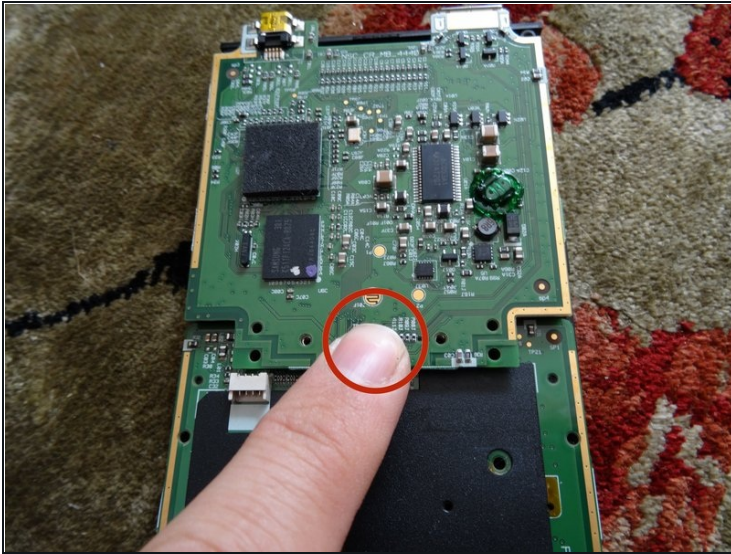
## Step 10



- [Optional] Clean the screen with compressed air.
- ① This does not help with the button problem, but is good maintenance practice while the calculator is disassembled.
- ① Rubbing alcohol may be used instead.



## Step 11



- Put the circuit board and the screen back together. Then press the connector into place.
  - ① You may need to gently move the circuit board with your finger until the docks match.

⚠ BEFORE PROCEEDING, power on the calculator and check that the problem button works.

- Set the four screws that were near the connector back in their holes.

## Step 12



- Drop the other twelve circuit board screws in their holes. Once all sixteen are in place, tighten them carefully.
- Reassemble the remaining components.



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