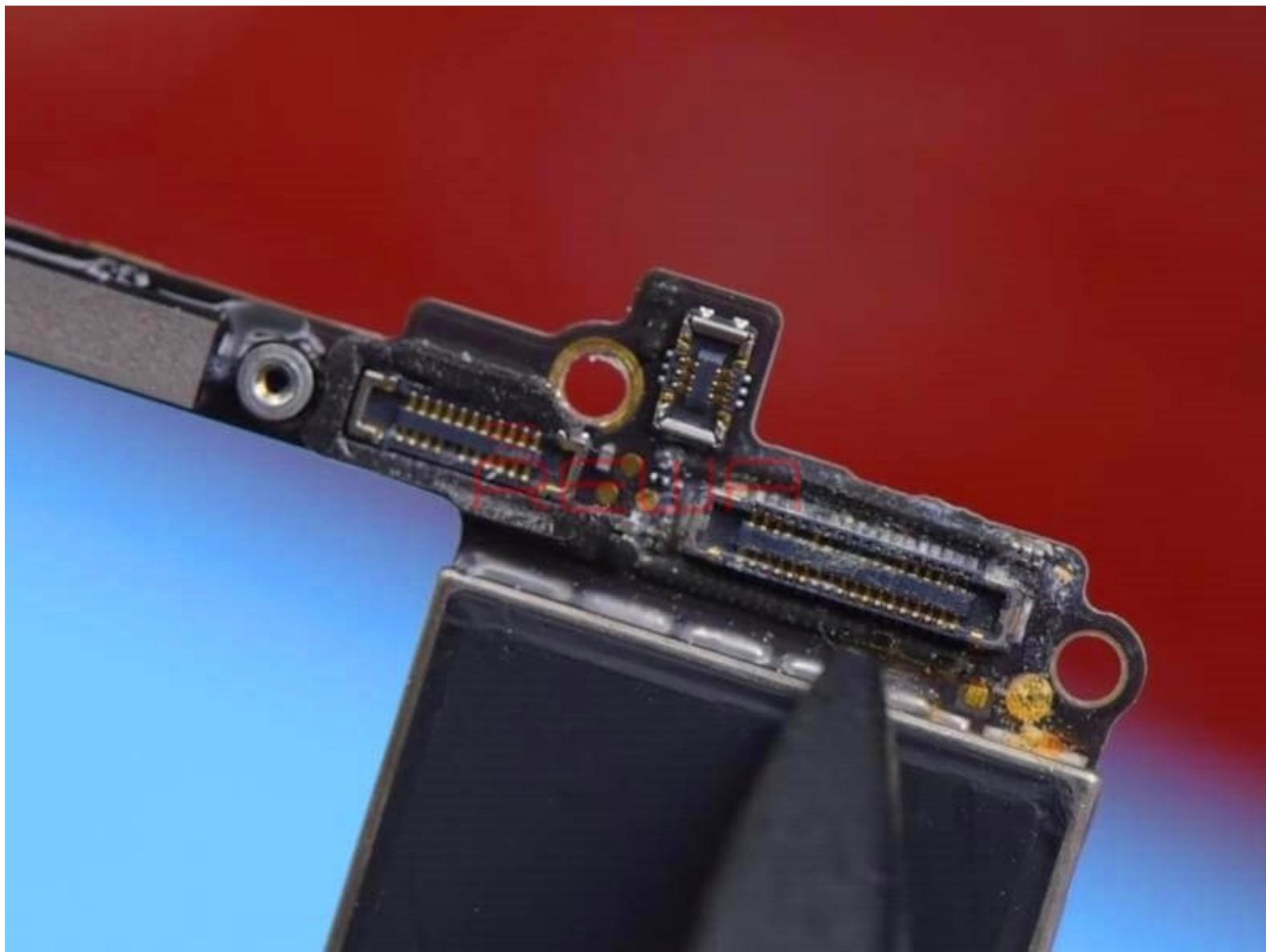




# How To Repair iPhone 7 Home Button Not Working After Water Damage

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Written By: Phryne



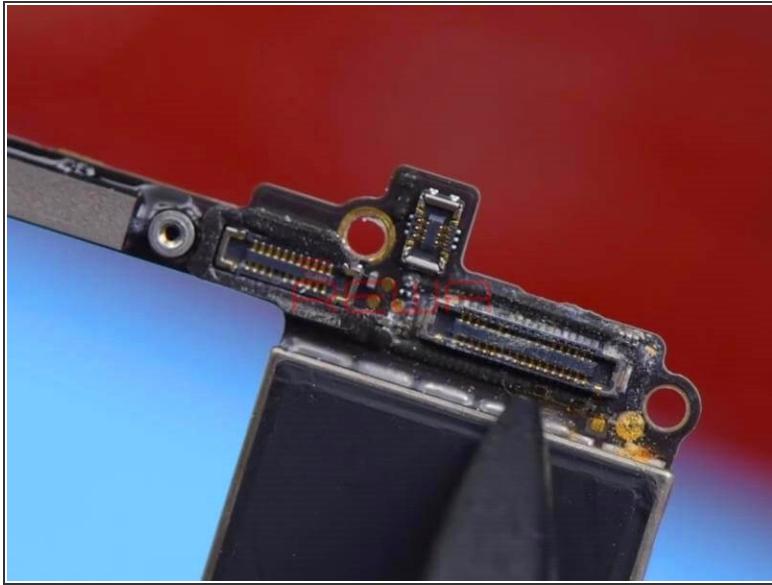
## INTRODUCTION

Water damage of iPhone is common during daily using. In our blog today, the home button of iPhone 7 is not working because of the corrosion and breakage of lines on the logic board. Since there is a high failure risk in repairing, REWA LAB presents you a repair solution to fix heavily corroded and damaged logic board step by step with Ultrasonic Cleaner and Enameled Copper Wire.

### TOOLS:

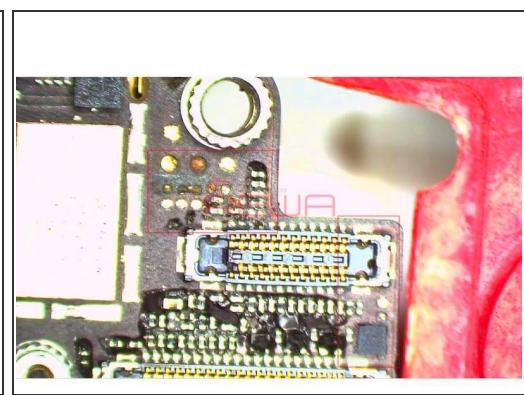
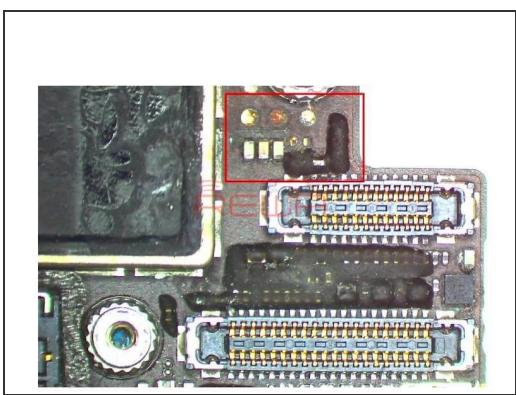
- Ultrasonic Cleaner (1)

## Step 1 — Problem



- We can see that the logic board bears obvious signs of water damage and mouldy connectors. It is also seriously corroded.
- Clean the board carefully. Then assemble the phone and test. The phone turns on normally. Yet the Home Button is not working and the phone can not go on with further activation.

## Step 2 — Diagnosis



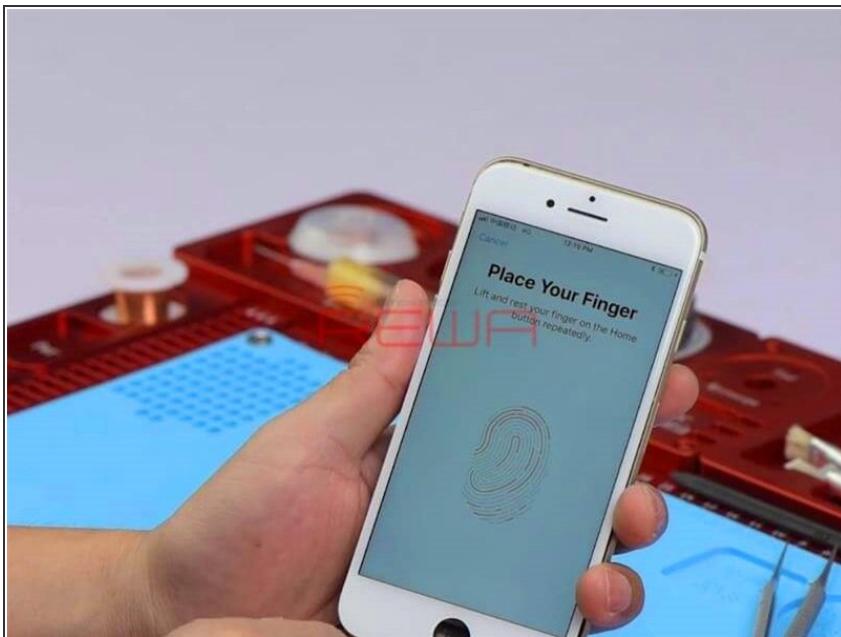
- Check the logic board under the Microscope carefully. We can see that components next to J3801 are mouldy and circuits on the board are seriously corroded.
- Clean the logic board thoroughly with the Ultrasonic Cleaner. We can see that there are parts missing on bonding pads of FL3803 and FL3802.

## Step 3 — Troubleshooting – Jumping Wires



- Connect Pin 1 on C3803 to Pin 1 on C3702 by jumping wire.
- Connect Pin 1 on C3822 to Pin 1 on C1926 by jumping wire.
- Since one bonding pad of FL2901 has been corroded, we can connect the two bonding pads of FL2901 with Enamelled Copper Wire,

## Step 4 — Reassemble And Test



- Assemble the phone and test. The phone goes normally with activating page. Press Home Button for further

activation. The phone can not be activated with some WiFi failure.

- So we can activate the phone by connecting it to the computer. Touch ID can be activated this time. The phone is also successfully activated.

## Step 5



- For more iPhone repair cases, please visit [REWA YouTube Channel](#).
- Credit: [REWA Tech](#)