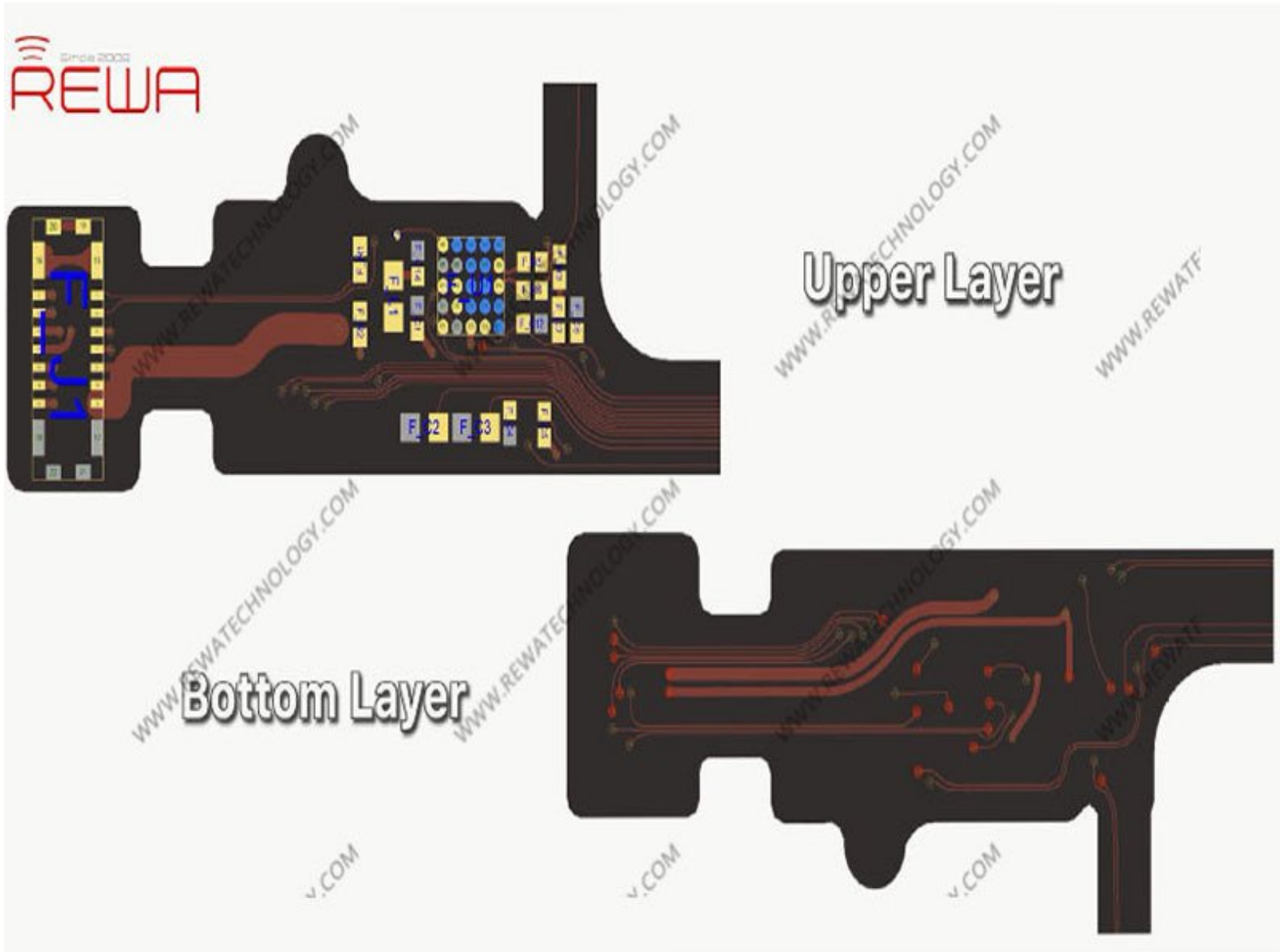




iPhone 7 Plus Touch ID Not Working – Broken Home Button Cable Repair

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Written By: Phryne



INTRODUCTION

For iPhone 7-8P, 80% of Touch ID issues are caused by broken home button cable and we can fix the problem by jumping wires on the two layers of wires on the home button cable respectively. Which is very difficult especially when the bottom layer comes with many wires. And that's when we bring you this new solution. With the help of the iPhone 7-8P Home Button Repair Socket Cable, we can fix the Touch ID problem in a safe and efficient way.



TOOLS:

- [Lead-free Intelligent Digital Soldering Station](#)
(1)



PARTS:

- [iPhone 7-8P Home Button Repair Socket Cable](#) (1)

Step 1 — Test



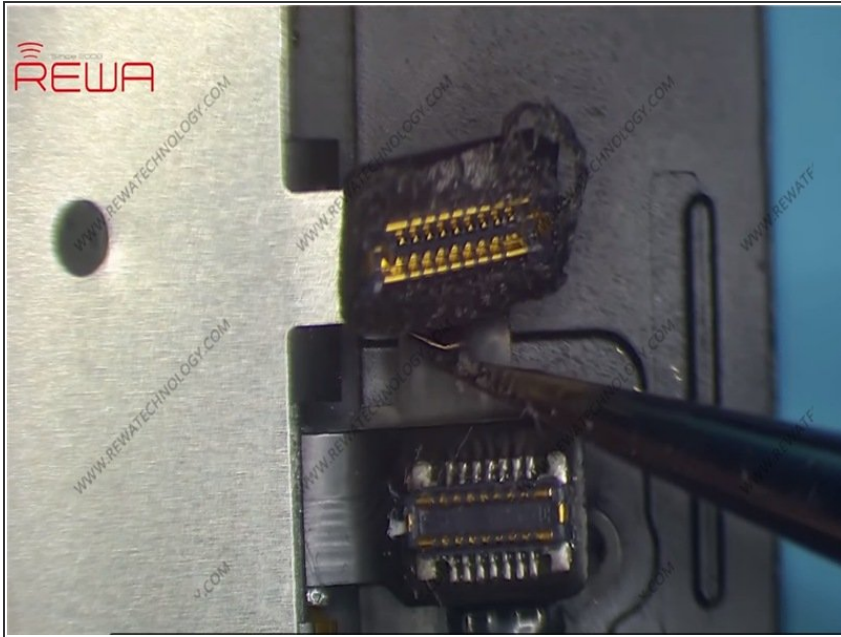
- Press the power button to turn on the phone. The phone turns on normally. There is an alert saying "Unable to activate Touch ID on this iPhone."
- Try to press the home button. The home button is also unresponsive.
- Go to Settings > Touch ID & Passcode. The option 'Add a Fingerprint' is grayed out.
- Judging by this, home button relevant circuit or home button cable has malfunctioned.

Step 2 — Troubleshoot



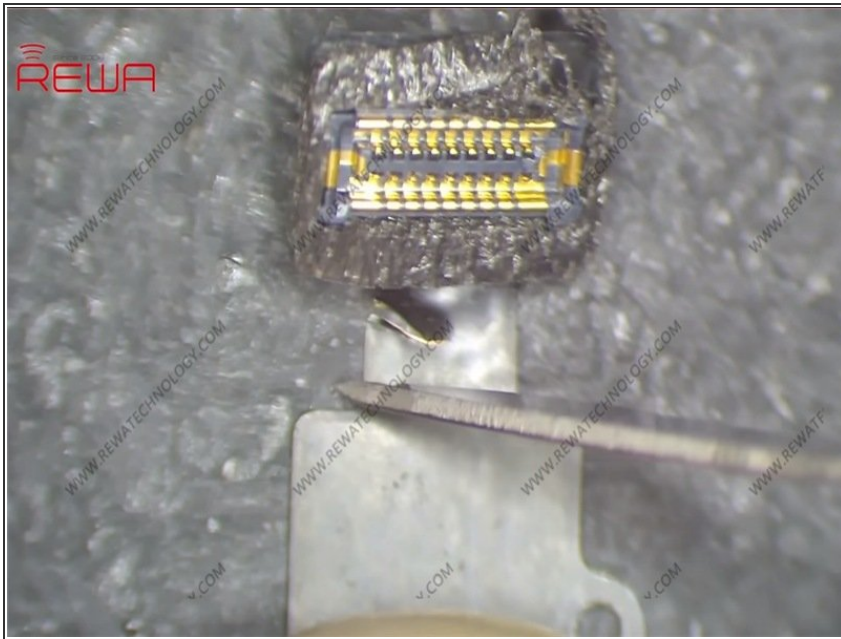
- Take apart the phone and remove the display assembly. Run diode mode measurement of the home button connector. The measured value is normal.
- Which indicates that home button relevant circuit is also normal. The home button issue has nothing to do with the logic board.

Step 3 — Home button cable



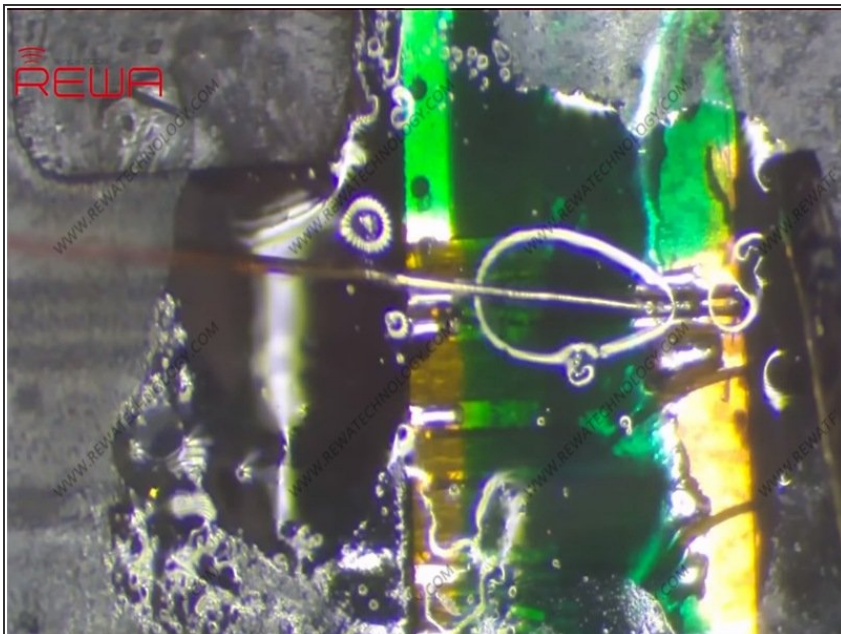
- Next, we need to check the home button cable. Disconnect the home button cable. We can see that the home button cable nearby the socket is broken.
- And for iPhone 7/7P/8/8P, 80% of Touch ID issues are caused by broken home button cable. We can fix the broken cable by jumping wires.

Step 4 — Broken Home Button Cable Repair



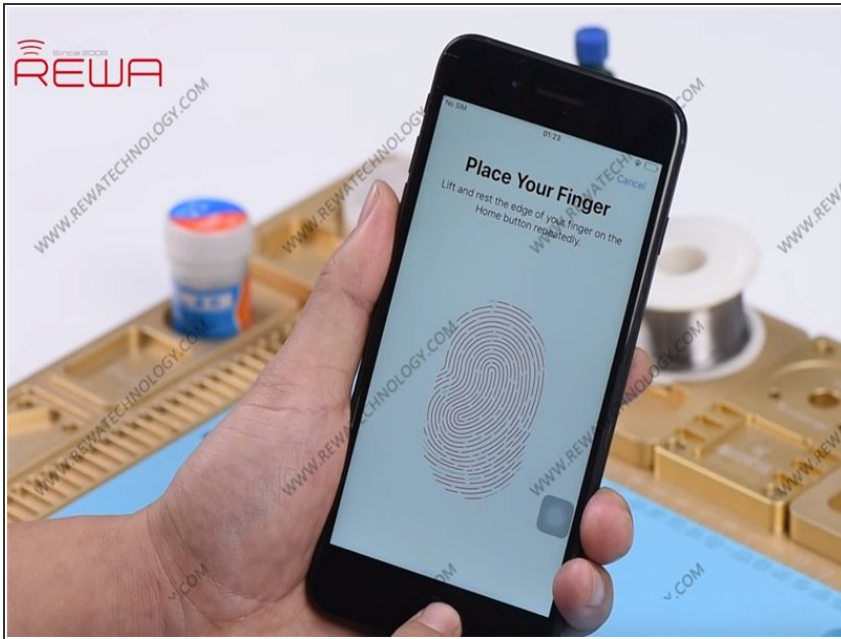
- Cut off the broken cable along with the socket. Then slice open the insulating coating on the cable. Scrape off the insulating coating and then wires on the upper layer with Sculpture Knife.
- Apply some solder paste and paste flux to the bottom layer. Apply the home button repair socket cable to the right position. Solder carefully with the Soldering Iron.
- Apply some UV Curable Solder Mask to the soldered area. Then solidify the cable under UV Dryer Lamp for 5 minutes.

Step 5 — Broken Home Button Cable Repair



- Next, let's join up the upper layer of wires by jumping wires. Solder the 0.02mm solder tinned enamelled wire to the corresponding position on the upper layer one by one.
- Once done, apply some UV Curable Solder Mask. Then solidify the cable under UV Dryer Lamp for 5 minutes.

Step 6 — Test



- Go to Settings > Touch ID & Passcode. The option 'Add a Fingerprint' is back to normal. Try to set up Touch ID on the phone. With Touch ID set up successfully on the phone, Touch ID function is also normal.

Step 7 — Video Guide



- Follow instructions in the video and learn how to fix iPhone 7 Plus Touch ID Not Working by repairing the broken Home Button Cable.
- Credit: [REWA Technology](https://www.rewatechnology.com)