iPhone 6 Won't Turn On - Water Damage Repair

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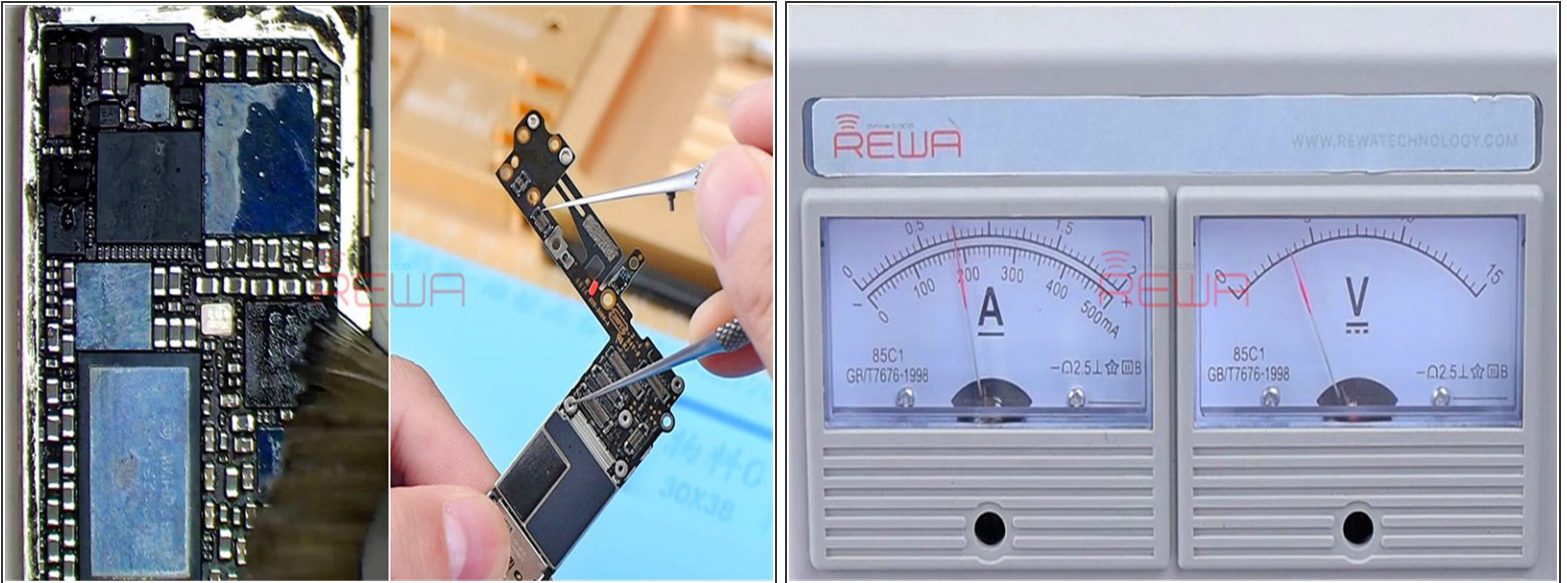
Written By: Phryne

INTRODUCTION

iPhone water damage is a very common repair case, and it can result in different issues. For case today, iPhone 6 can't turn on after water damage. We start the repair work from moldy components. As it is often suggested that we should always begin with simple, then complex. However, the problem remains unresolved. Run further measurement and the faulty position is finally confirmed. We can complete the iPhone 6 water damage repair work by replacing faulty components.

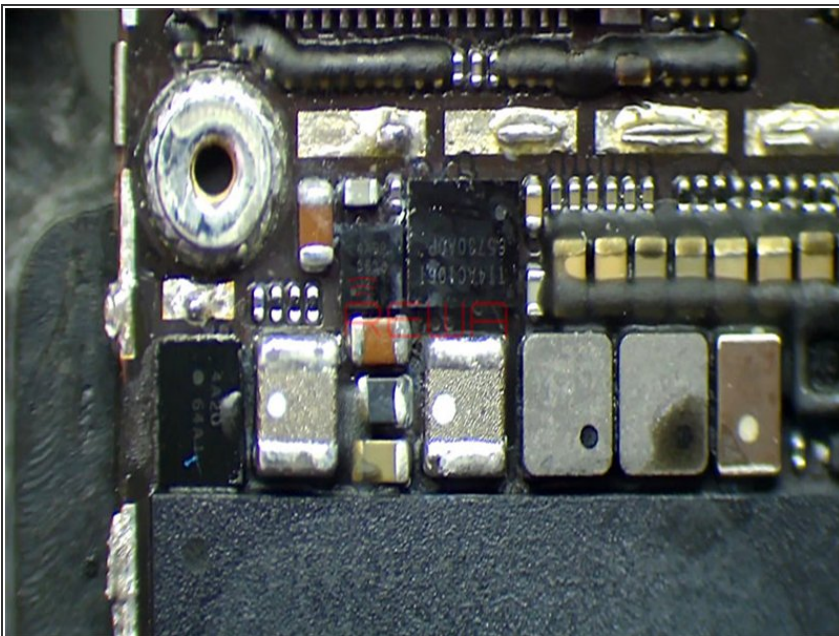## Step 1 — iPhone 6 Won't Turn On - Water Damage Repair

- Check the logic board. We can see clearly that the water damage indicator is red.

- Get the phone powered on. The phone turns on with Apple logo. Yet the screen goes black after 15 seconds and cannot access the system normally.

- Boot current reading on the ammeter jumps to 510mA and then stays still.

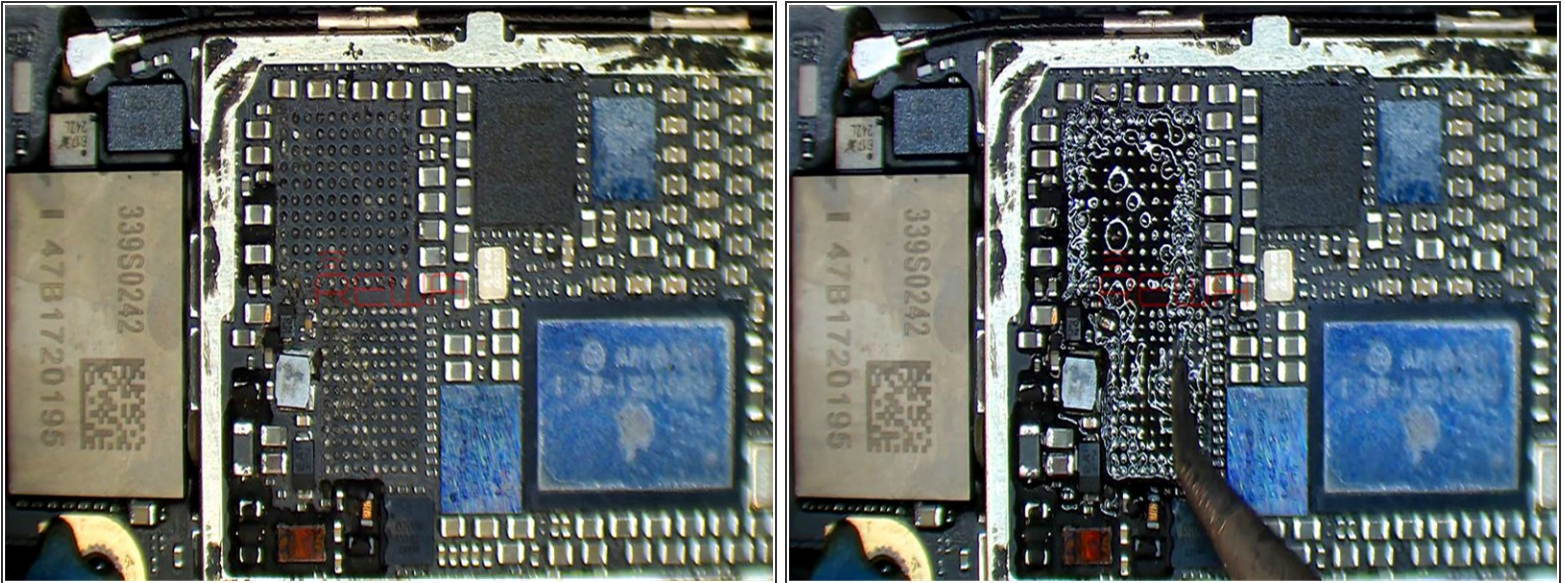This document was generated on 2020-04-06 07:25:03 AM (MST).

Step 2

- First thing we do is to clean the logic board with PCB Cleaner.

- Then get the board powered on. Current reading on the ammeter jumps to 220mA and then stays still.
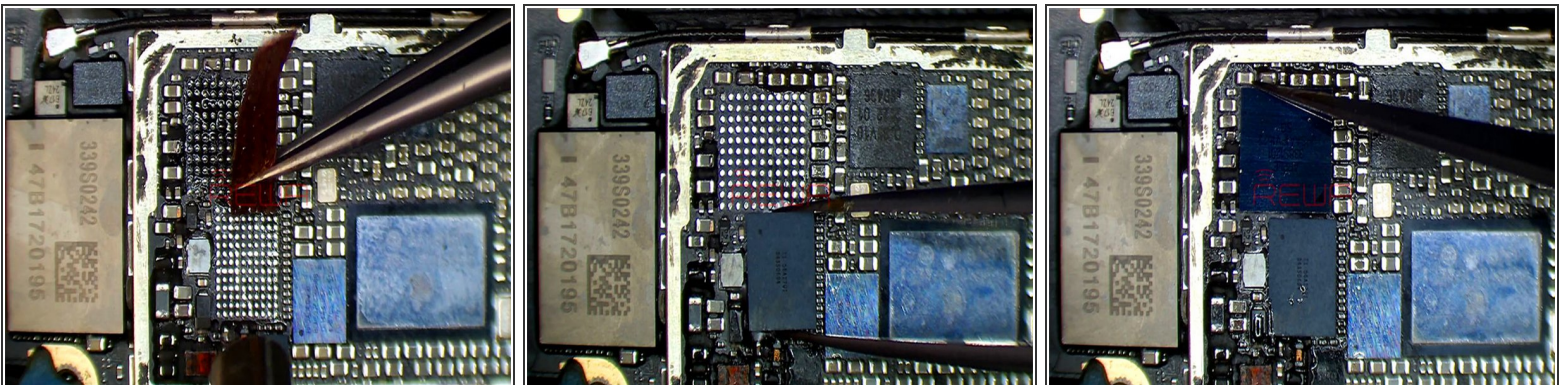
Step 3

- We need to detach mouldy ICs on the board and run thorough cleaning.

- We can see clearly that U1501 and U1503 bear obvious mouldy signs. Remove the two ICs and then clean their bonding pads.

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Step 4

- Continue to detach the two mouldy components, U2402 and U0900 from the board. We can see clearly that area under U2402 has got seriously mildewed.

- This might be the cause.

Step 5

- Clean these bonding pads carefully.

- Solder new ICs to the board.

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Step 6

- Now we can assemble the phone and test.

- Press power button to power on. The phone turns on normally.

Step 7

- For more about iPhone repair, you can check here.

- Credit: REWA Technology

Also, for repair technicians, it's important for you to understand how iPhone boot circuit works before starting your repair work.

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