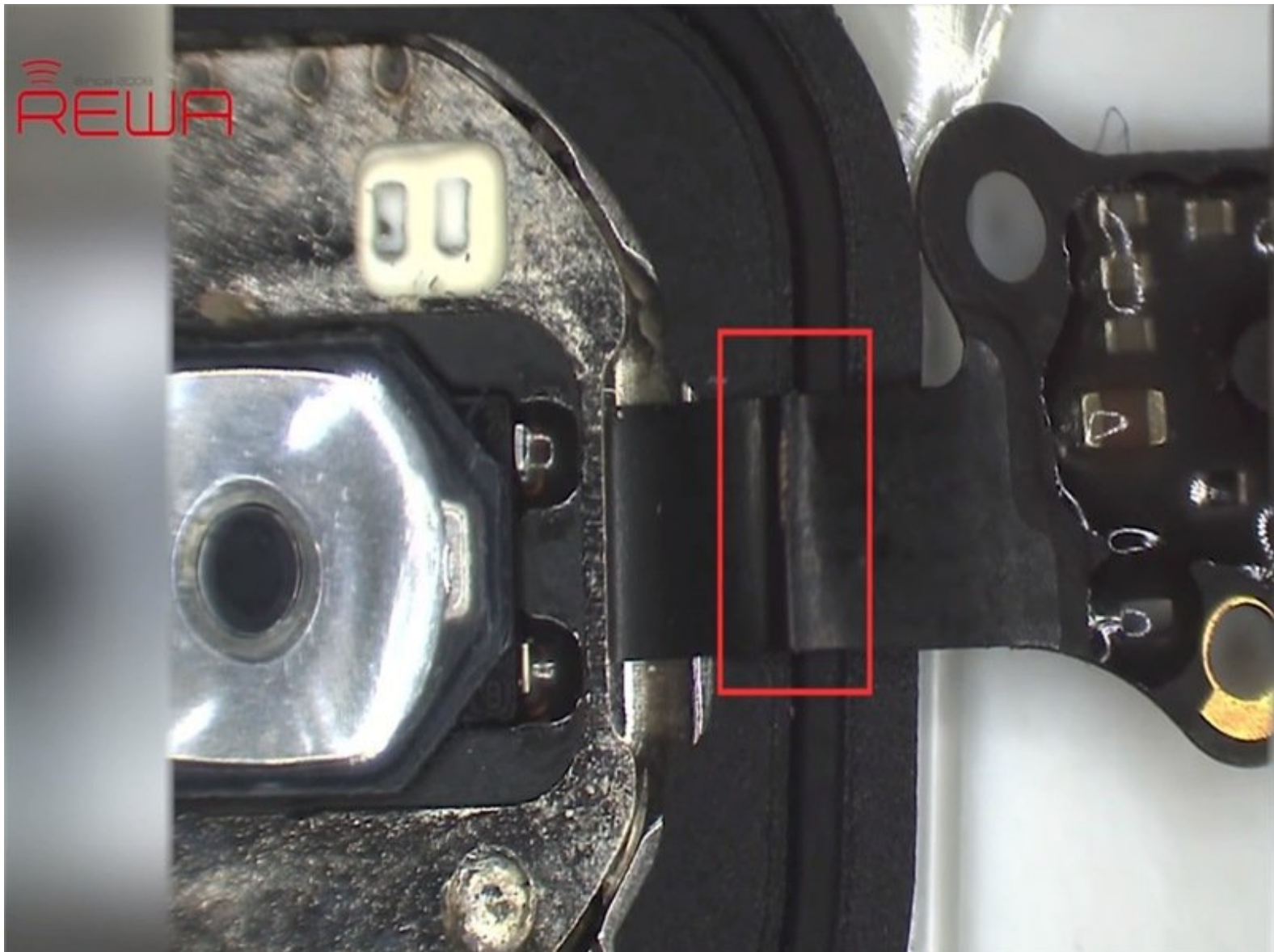




One Solution To Fix 80% iPhone Touch ID Failure

Restore Touch ID of iPhone 6 By Fixing Broken Home Button Cable

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INTRODUCTION

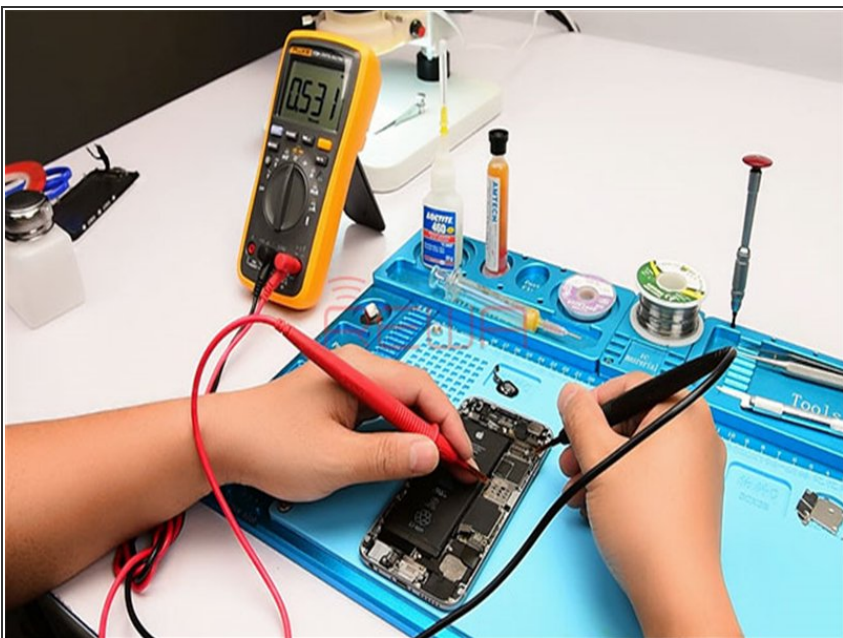
For a long time, it has been a sticky business for repair technicians to repair the iPhone Touch ID not working issue. But actually, about 80% of the touch ID failures are resulted by damaged home button touch ID flex.

Step 1 — Test



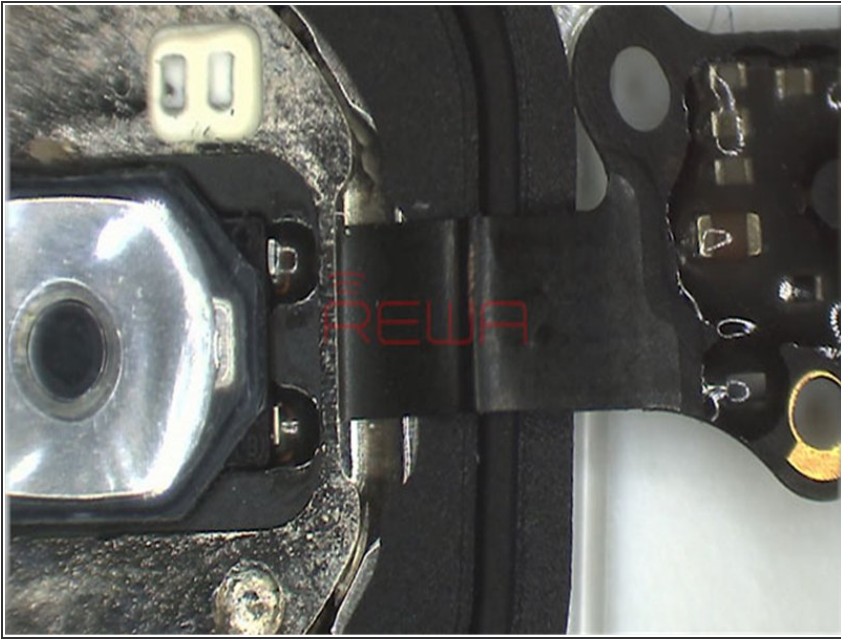
- Power on and test. “Unable to activate Touch ID on this iPhone”. Press Home Button, the returning function is normal.

Step 2 — Diagnosis



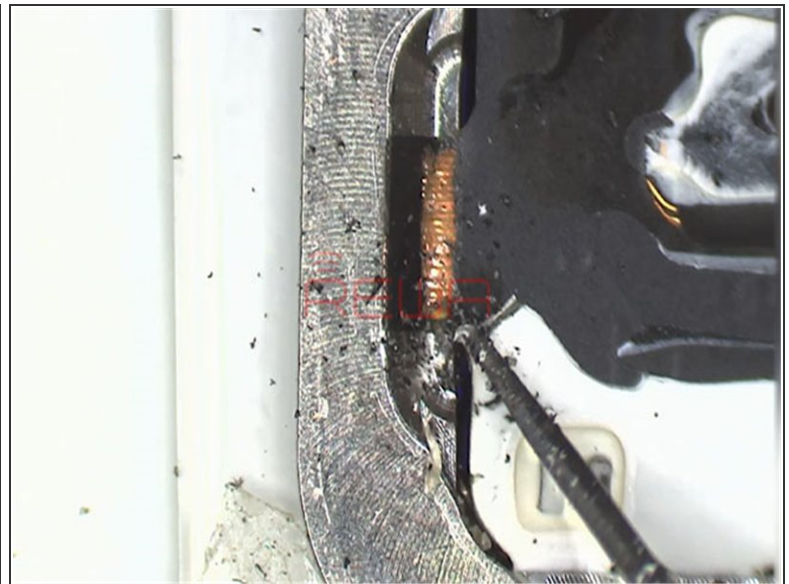
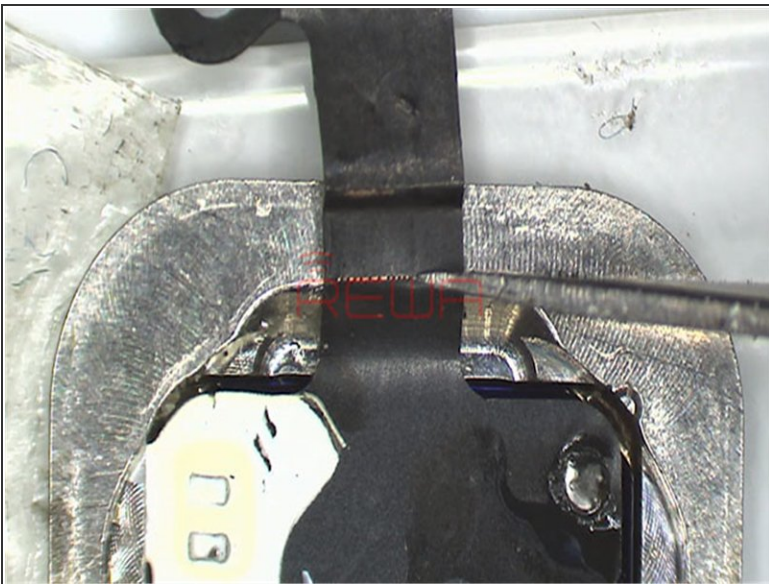
- Take apart the phone and check the logic board connector J2118. Nothing goes wrong.
- Run diode mode measurement of J2118. The measured value is normal.

Step 3 — Diagnosis



- Remove the Home Touch Sensor Assembly and check the home button flex cable. There are obviously broken traces on the flex cable.
- So the Touch ID failure is probably caused by fractured flex cable circuit. We can fix the problem by replacing the fractured section with a new length of the flex cable.

Step 4 — Troubleshooting



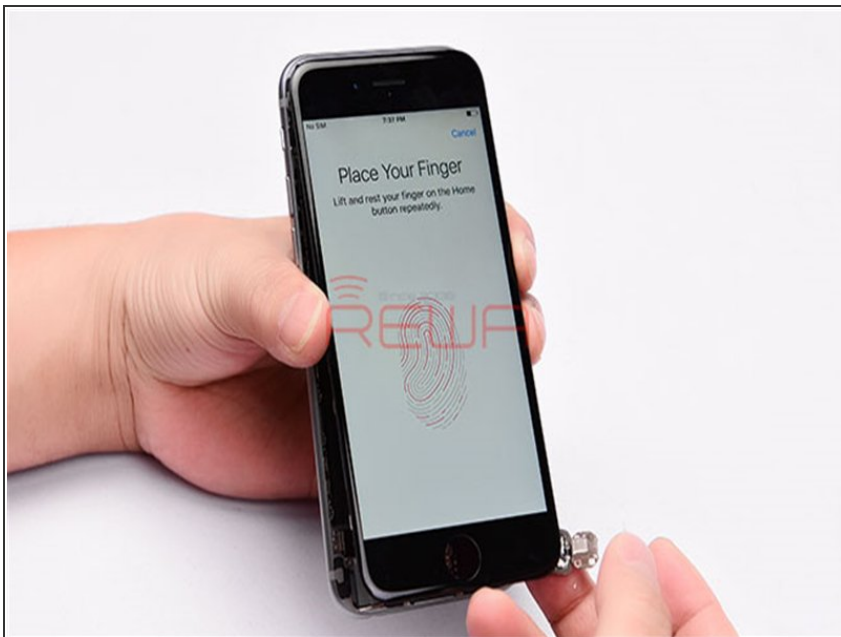
- Pry up the back plate with Tweezer and Soldering Iron. Cut the fractured part from the flex cable with Sculpture Knife.
- Scrape out the flex cable circuit. Apply some BGA paste flux to the newly cut flex cable. And tin solder with Soldering Iron.

Step 5 — Troubleshooting



- Pry up the back plate of the new Home Touch Sensor Assembly. Cut a length of flex cable from the new Home Touch Sensor Assembly.
- Fix the newly cut cable with double-sided adhesive. Then, scrape out the newly cut flex cable circuit.
- Apply some BGA paste flux to the newly cut flex cable. Cut out the excess parts of the newly cut flex cable. After that, apply 460 Glue to the bonding part and adhere the two cables carefully.
- Once cables are fixed, apply some BGA paste flux and solder flex cables with Soldering Iron.

Step 6 — Test



- Get the Home Touch Sensor Assembly mounted on the screen.
- Power on and run Touch ID function test. Touch ID is back to normal.

Step 7 — Troubleshooting



- Take out the Home Touch Sensor Assembly. Prepare another length of the cable. And then adhere the cable to the previous bonding part.
- To further secure flex cables, solder with Soldering Iron. And then secure the back plate with Glue carefully.

Step 8 — Reassemble And Test



- Get the Home Touch Sensor Assembly mounted on the screen. Assemble the phone and test. The

phone works with normal Touch ID function.

- [How to Restore A Badly Damaged iPhone X](#)
- [How To Upgrade iPhone X 64GB Storage To 256GB](#)
- [Face ID Teardown - Why Face ID Not Working After Repair](#)
- [iPhone 11 Pro Teardown](#)
- [iPhone 11 Pro Back Glass Replacement](#)
- [How to Fix iPhone X Face ID Not Working 'Move iPhone a Little Lower/Higher'](#)
- [How To Restore True Tone After Screen Replacement On iPhone XS](#)