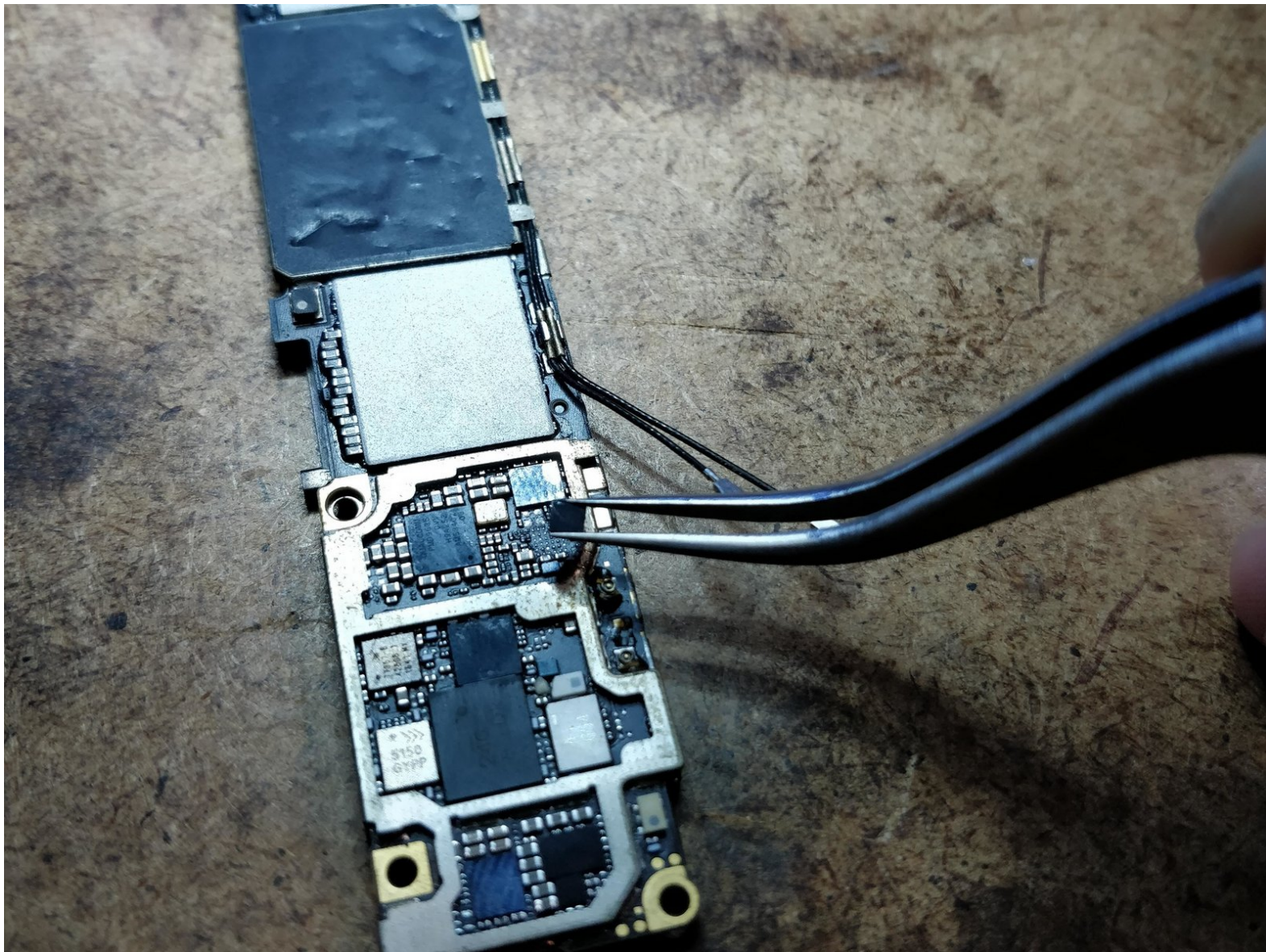




# How to repair an iPhone that won't charge - Tristar Replacement

iPhone not charging: a few steps to find out what's wrong. Example on iPhone 6S, ending with Tristar replacement.

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## INTRODUCTION

iPhones that won't charge are, unfortunately, very common. Here are some easy, then harder steps to find out what is wrong with your phone, and how to solve the problem !

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### TOOLS:

- [P2 Pentalobe Screwdriver iPhone](#) (1)
  - [Phillips #00 Screwdriver](#) (1)
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## Step 1 — Check for a new charger



- Your cable could be bad, try a new one, possibly MFI certified ! (Made For iPhone) Or try a known-good one.
- Try a new charging brick, or a known-good one that delivers at least 5V-1A

## Step 2 — Checking the charging port



- Check your charging port, it could be really dirty or obstructed
- If it looks dirty, you can take the risk to insert a thin tool and try to pry out the dirt. **I am not responsible for the harm you could do to your phone !**

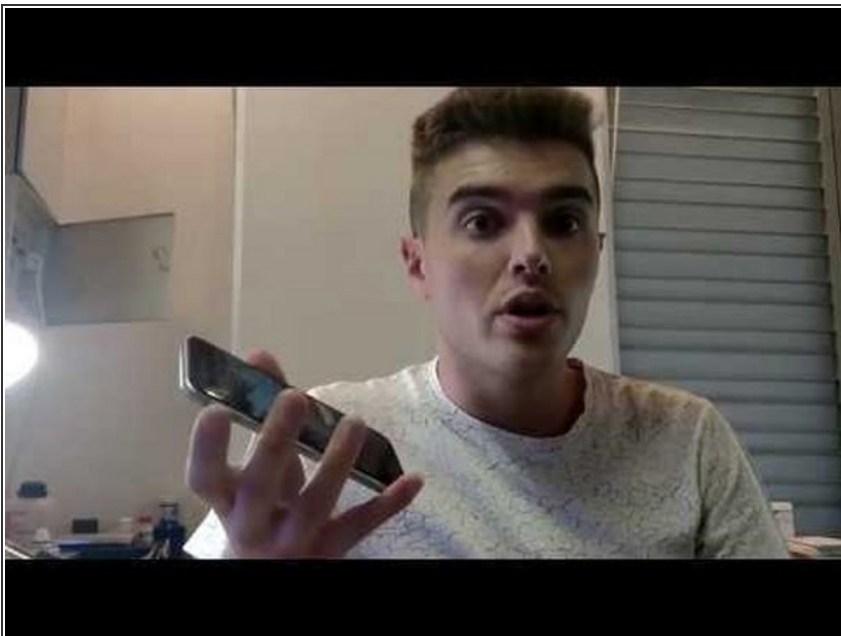


## Step 3 — Try known-good internals



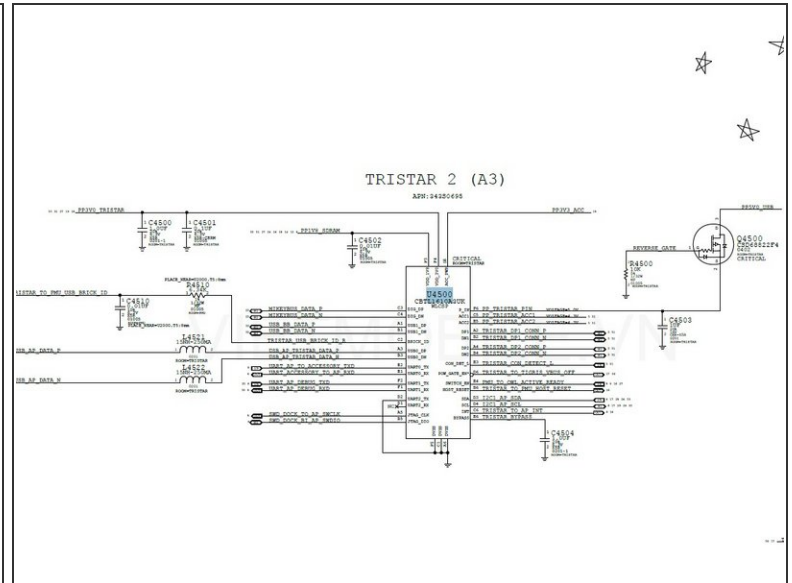
- Try a known-good battery. Replace it if your phone charges again.
- Try a known-good Lightning charging port. Replace it if your phone charges again.
- I know, this is a picture of an iPhone 7, check the video for the 6S on the next step.

## Step 4 — Video guide to these tests



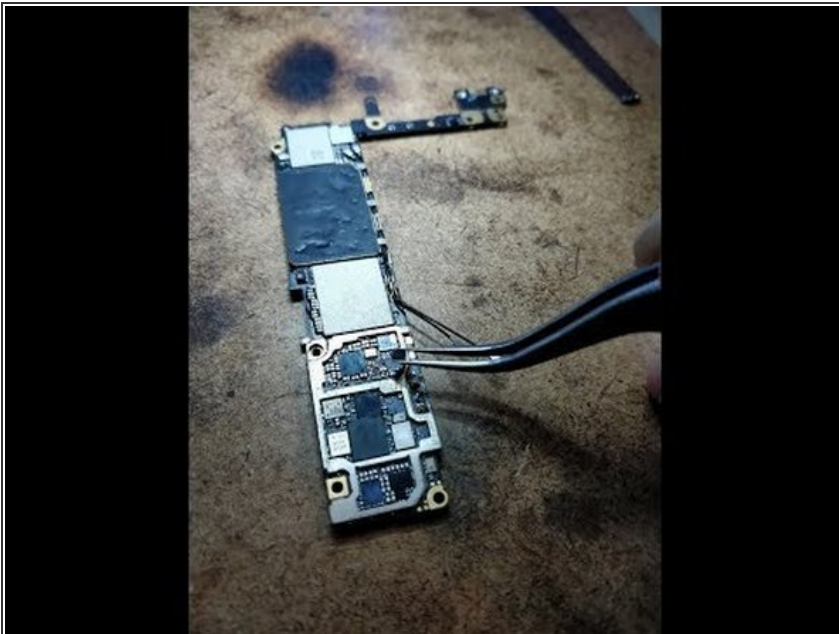
- The whole french version of the process, video does help if you are an english-speaker !

## Step 5 — Now some real challenge



- If you are still reading, bad news, you probably have a motherboard problem !
- It's probably U4500, or Tristar that's causing it, it fails very frequently on iPhones. You'll have to replace it.

## Step 6 — Tristar Replacement



- [Video tutorial for Tristar replacement on iPhone 6S](#)

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