



Screen replacement for the Samsung Galaxy A50

This guide will replace the display and/or the touch screen of a Galaxy A50 SM-A505F

Written By: cPix



INTRODUCTION

If your touch screen is broken, cracked or defective, use this guide to **replace a broken screen on your Samsung Galaxy A50 (SM-A505F)**.

For your information, the screen product codes of a Samsung Galaxy A50 are: **GH82-19204A** or **GH82-19713A**.

'Before disassembling your phone, it is advisable to discharge the battery of the Samsung Galaxy A50 below 25%.' Otherwise, if you accidentally puncture or damage the battery during repair, the battery may catch fire or explode. These risks are lessened if the battery is mostly discharged.

Note: Replacing the screen includes removing the back of the phone, which means you will need a new piece of back adhesive.

If you damage the frame, you will need to replace it, as a damaged frame could result in uneven pressure on the screen, permanently damaging or destroying it.

Step 1 — Eject sim card tray



ⓘ Turn off your phone before you start

- Eject sim card tray

Step 2 — Remove the back glass



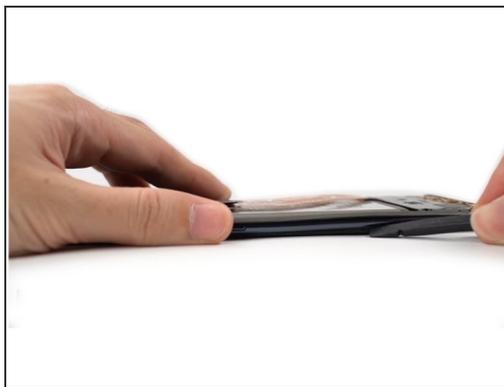
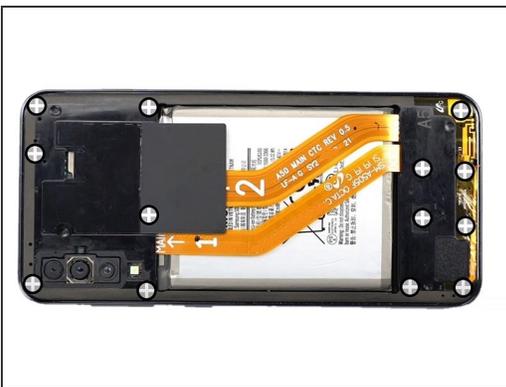
- Heat the back of the phone for 5 minutes at 65°C
 - Slowly lift the back glass off the phone using a [suction cup](#)
 - Insert a [pick](#) into the gap created.
 - Slide the pick around the edge, using more picks to keep the gap open.
- i** You can heat the back multiple times during this process to aid in removal of the back glass

Step 3 — Open the phone



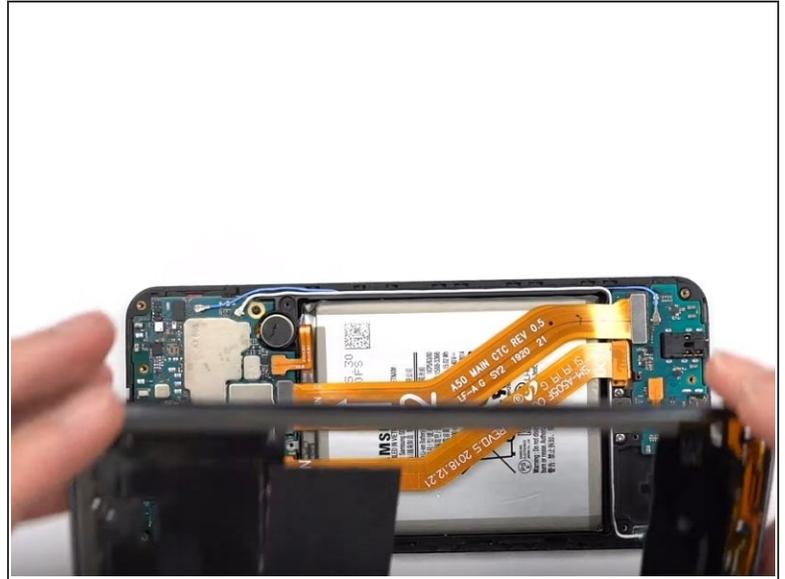
- Carefully remove the rear glass and set it aside.

Step 4 — Remove all the screws



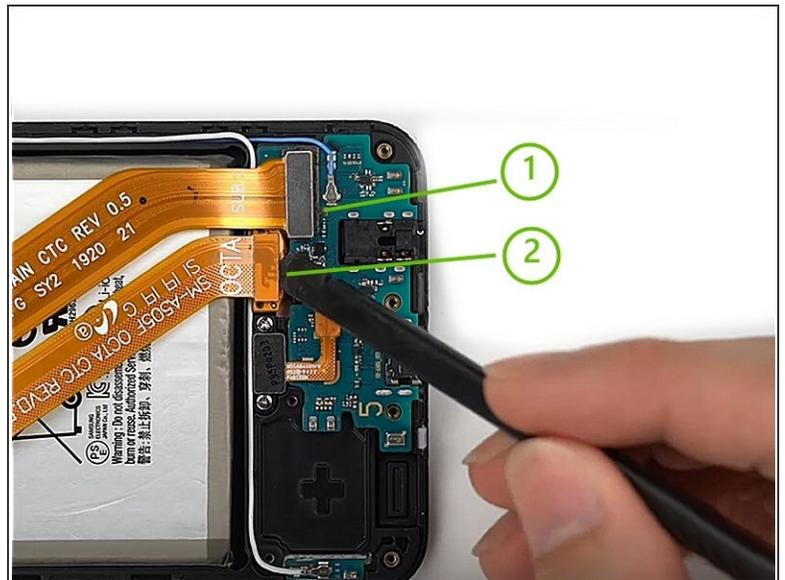
- Remove all the screws using a 4mm Philips #00 screwdriver
- Slide a [spudger](#) in between the screen and the frame
- Slide the spudger around the entire perimeter of the phone to unclip the screen and separate it from the midframe

Step 5 — Remove the midframe



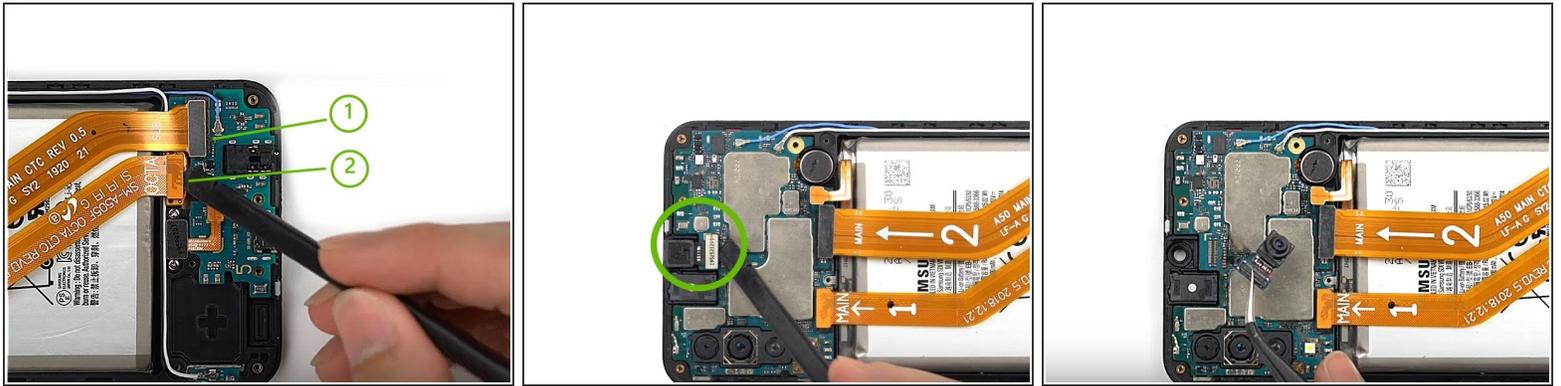
- Separate and remove the midframe

Step 6 — Disconnect the battery



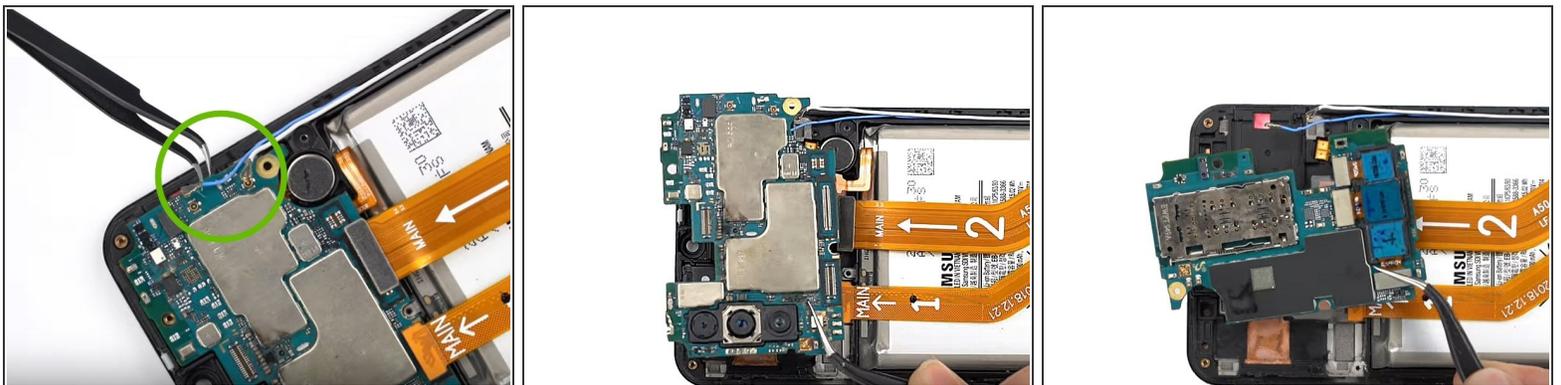
- Disconnect the battery
- Unscrew the Phillips screw holding the motherboard

Step 7 — Disconnect the cables



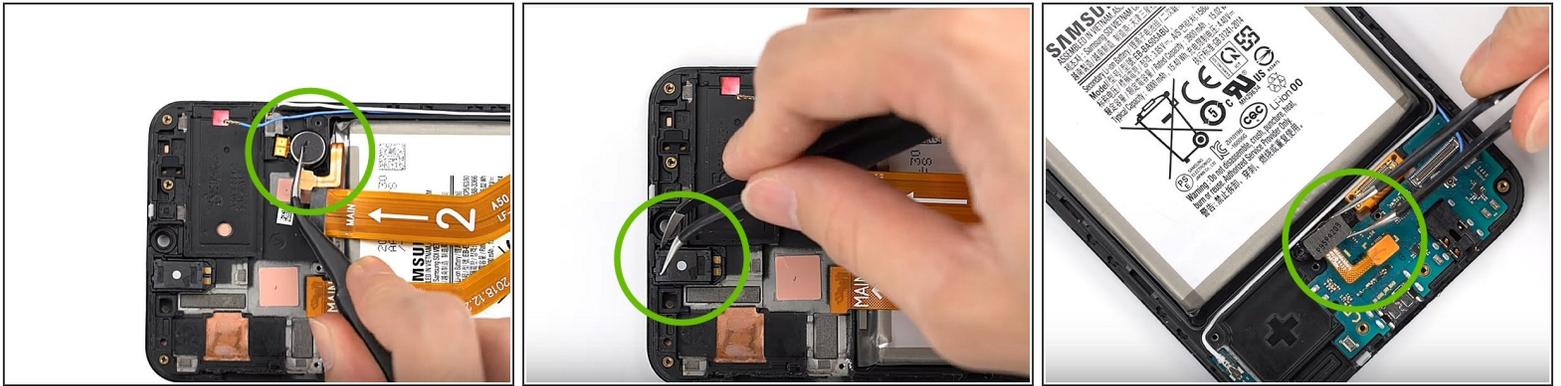
- Disconnect cables 1 and 2
- Unplug and remove the front camera (FaceTime)

Step 8 — Unplug the coaxial cables



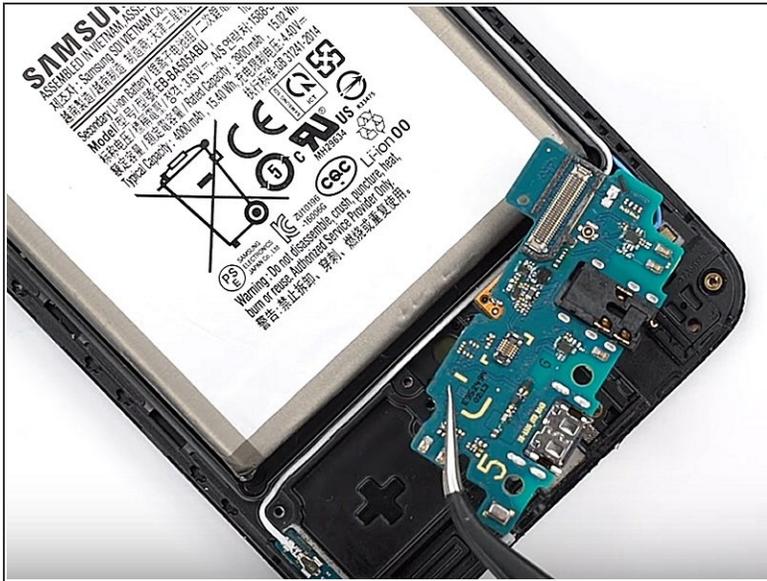
- Disconnect the blue and white coaxial cables
- Gently remove the motherboard by lifting it up.

Step 9 — Remove components



- Using [Tweezers](#), remove the vibrator
- Remove the speaker that way as well
- Remove the two Phillips screws, unplug and remove the fingerprint sensor.

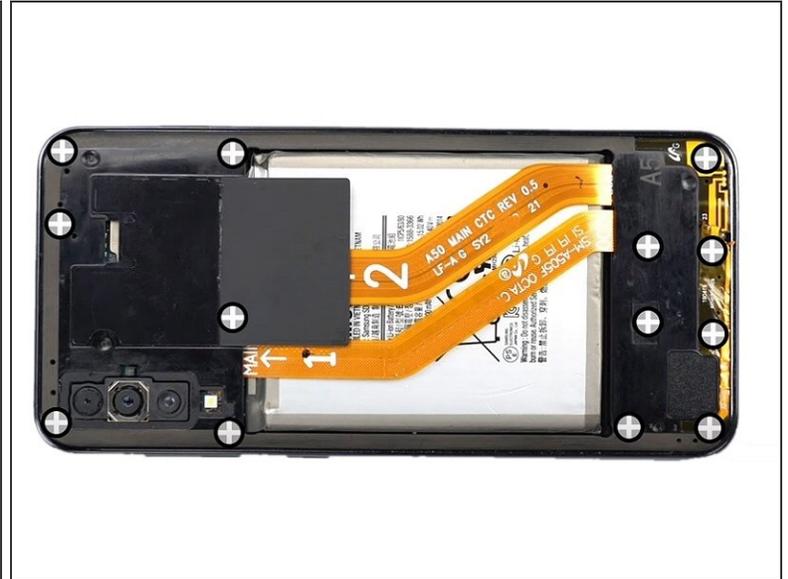
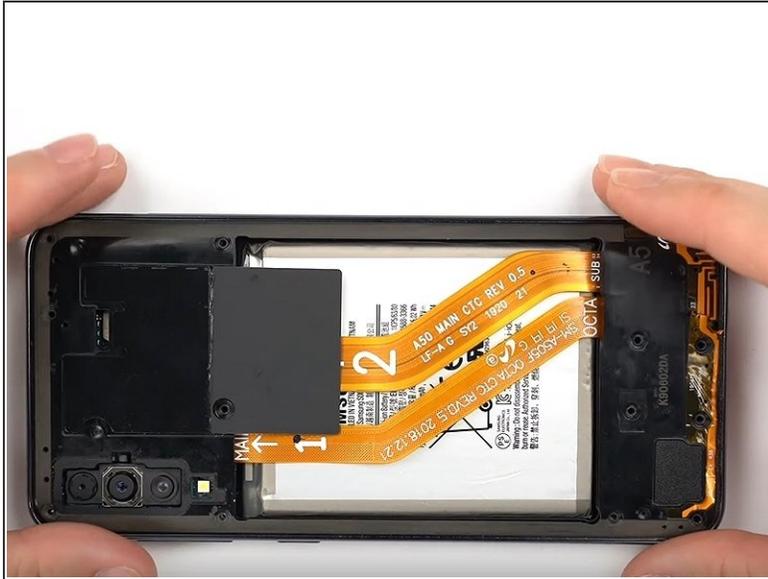
Step 10 — Remove the charging board



- Remove the charging board
- Pull out the coaxial cables
- Carefully remove the battery with a [Spudger](#)

⚠️ Wear [Safety Glasses](#) to protect your eyes and be careful not to puncture the battery.

Step 13 — Re-attach frame



- Clip the frame back onto the screen
- Tighten all the screws

Step 14 — Re-attach the back glass



- Using a new piece of tape, stick the glass back on

After receiving your new screen, you will need to remove the protective film from it before installing it.

To reassemble your device, follow the steps above in reverse.

Turn on your phone and test your repair before applying the new adhesive and closing the phone.