



LG KF700 Teardown

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INTRODUCTION

University Tear Down of the LG KF700 by Richard 'Bootstrap Bill' Turner, Estyn 'Indiana' Jones, David 'Adolf' Hilliker and Elani 'Cupov' Kafa!



TOOLS:

- [Phillips #00 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Spudger](#) (1)
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Step 1 — LG KF700 Teardown



- The KF700 before the teardown.

Step 2



- Two plastic clips removed to show the screw heads on the back of the phone.

Step 3



- Back panel and battery removed.

Step 4



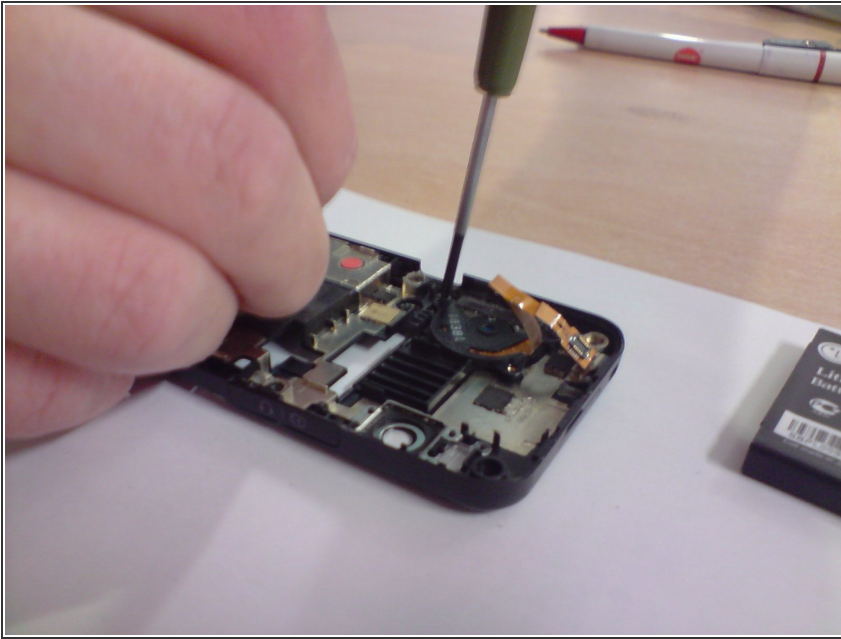
- Two screws found under the plastic clips removed as well as another four screws found around the battery.

Step 5



- Removing the screws allows you to access the heart of the phone. All the circuitry is housed neatly at the bottom end of the phone.

Step 6



- The scroll wheel is a simple variable resistor, so is easy to detach, simply unscrew the small screws holding it to the main body of the phone.

Step 7



- This is all the components that should have been detached from the phone thus far.

Step 8



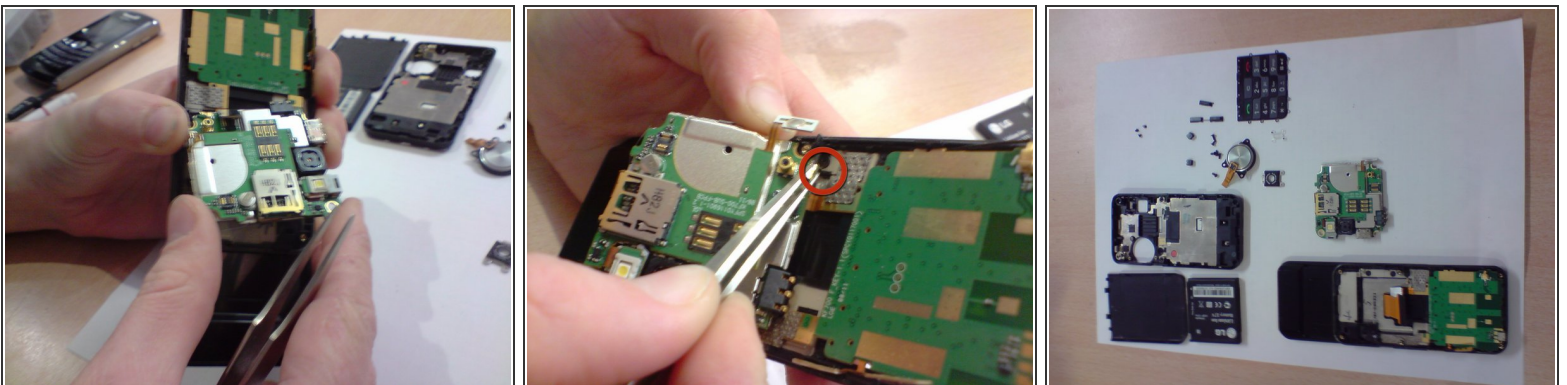
- The flash is the next piece to be taken out. It is attached with some circuit wiring, simply unplug the wiring and the flash pops out of the casing.

Step 9



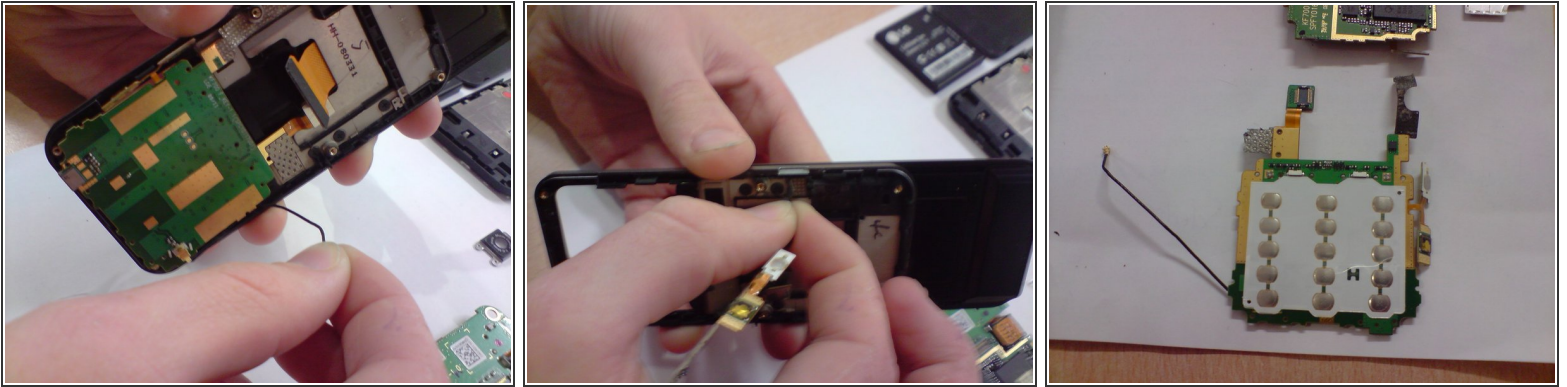
- All the circuit boards are attached with wiring which makes it hard to remove all the components without damaged to the phone. To remove properly you need to remove the solder holding the wiring to other components, or you can just cut the wires.
- The boards are held down with small screws, simply remove the screws to access the underside of the circuit boards.

Step 10



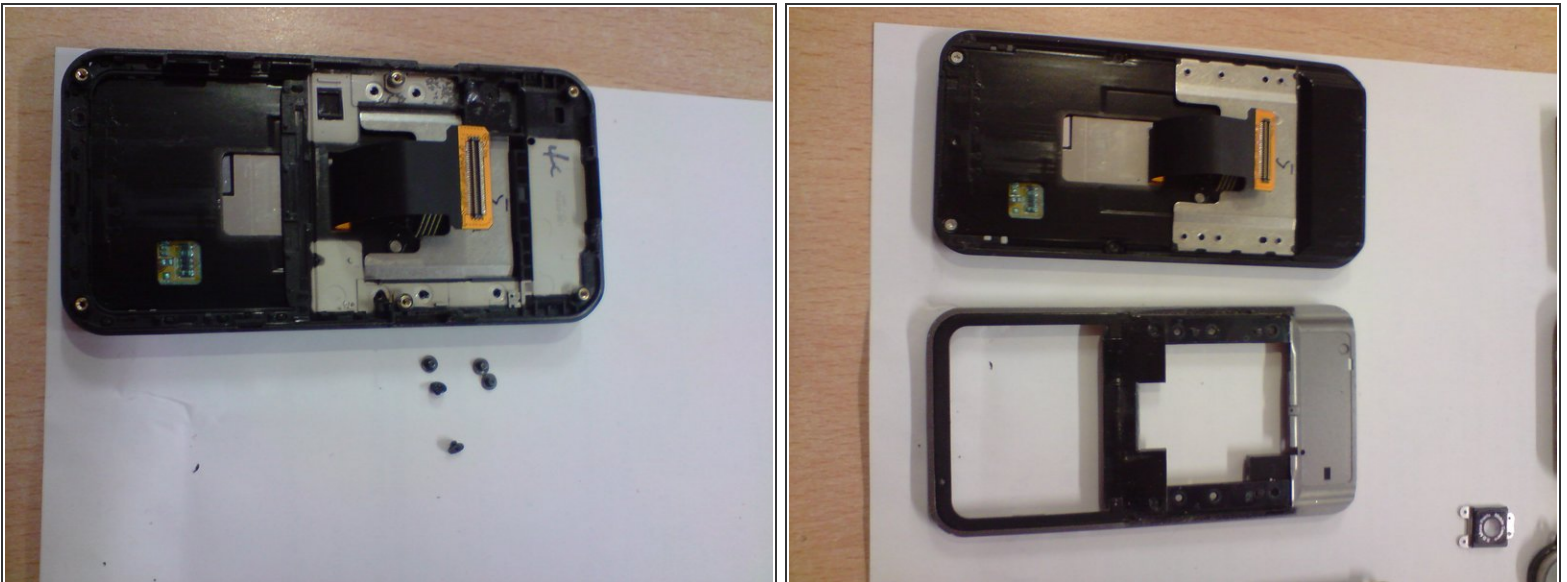
- This shows the detaching of the circuits and all the components that should be removed.

Step 11



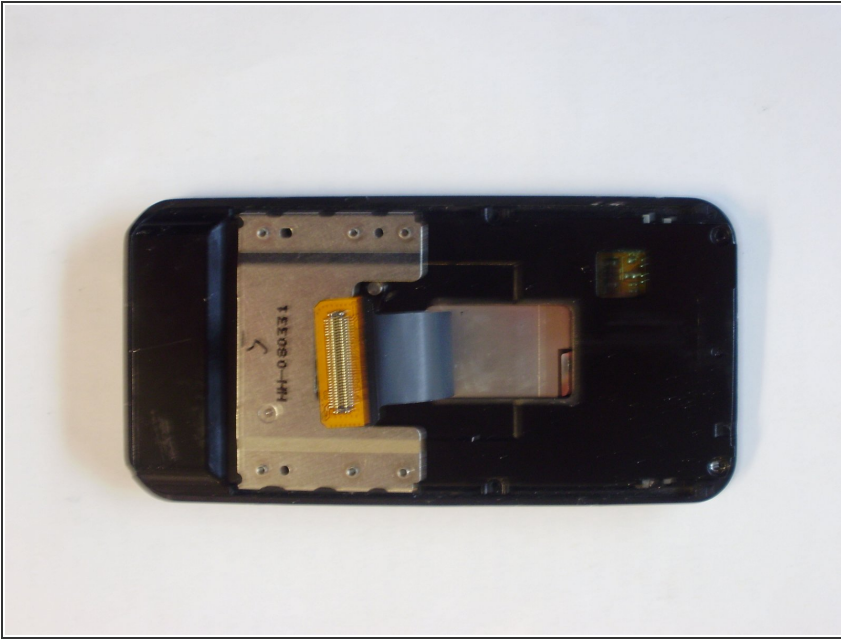
- The key pad is taken out and is an independent part. It is easily removed thanks to the snap fits securing it in the phone.

Step 12



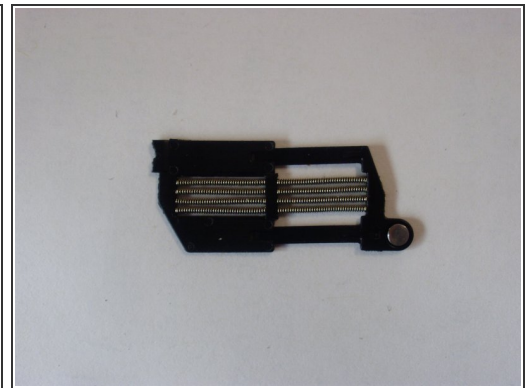
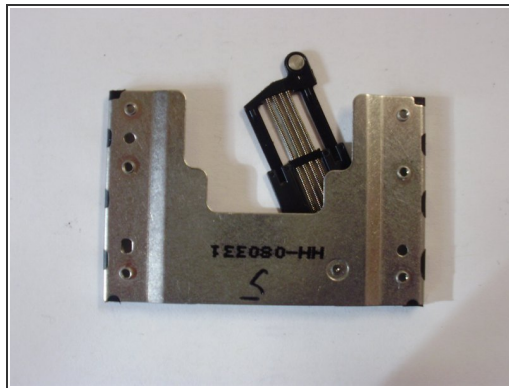
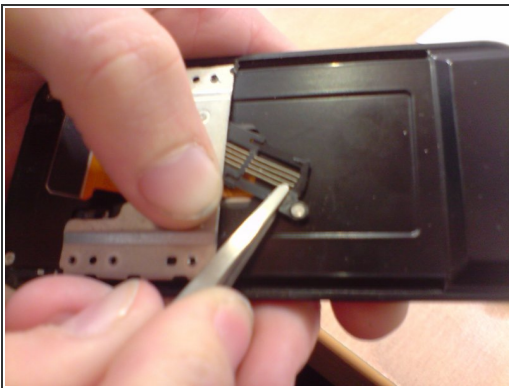
- Next the back plate is separated in two pieces so the sliding mechanism can be accessed.
- Unscrew the 5 small screws and detach the two plates.

Step 13



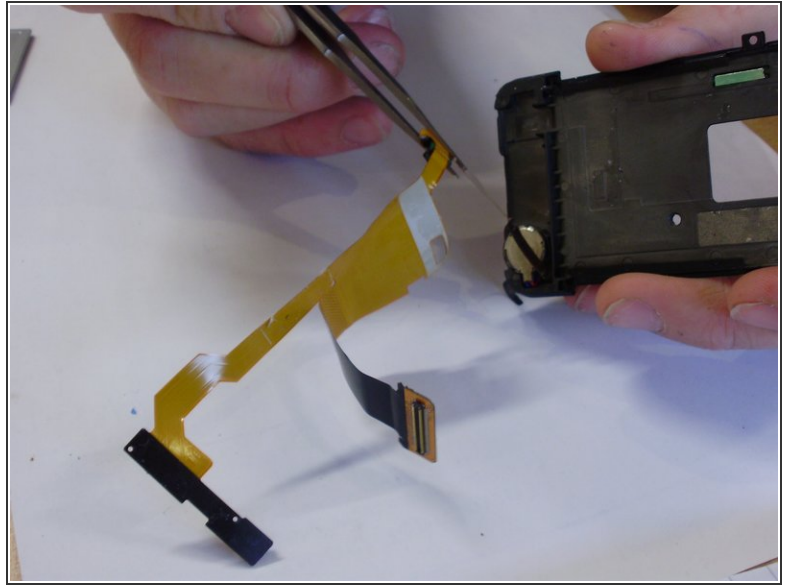
- This is how the other half of the phone should look. This part contains the sliding mechanism used to hide the keypad.

Step 14



- Make sure the metal slider is not pushed up and partially sticking out of the phone.
- Then unscrew the single screw in the centre of the slider.
- From underneath the slider, the small spastic spring should be easily unclipped and so too should the slider.

Step 15



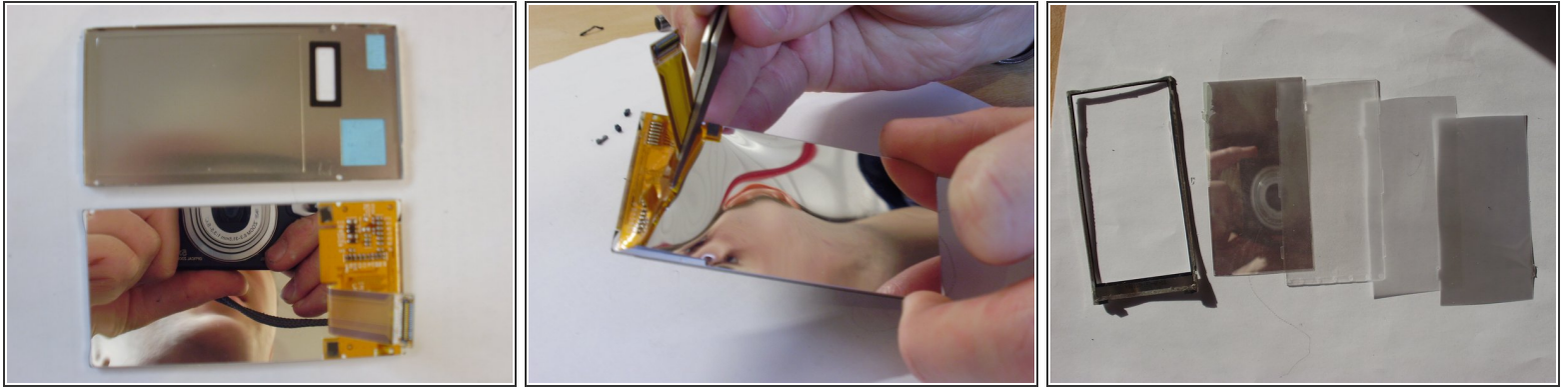
- With the slider removed the metal backing to the screen can be slowly clicked out.
- Be careful to slowly disconnect the wires that are attached to the back of the metal backing and the inside of the screen.

Step 16



- The actual screen will then clip out of the plastic casing protecting it.

Step 17



- Finally the screen being made up of several layers can also be separated.
- Unhook the final chip carefully to allow a protecting layer to be removed.
- Then slowly pull the chip off itself and the four layers will then be easily separated with a steady hand and a small pair of tweezers.