



## L2 Repair Document

### Almond/one touch 902/902(A/S)

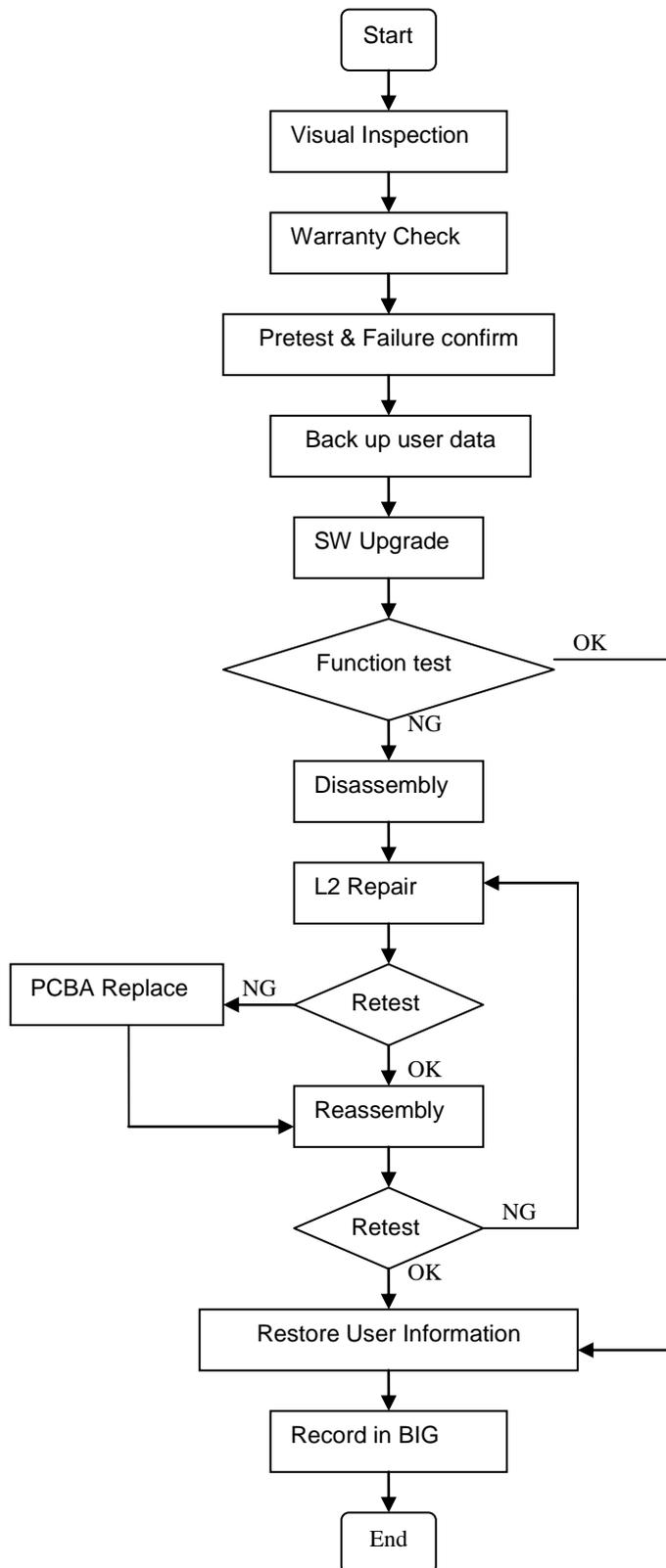


**Note: this manual is non-contractual and TCT can modify it without prior notice on the characteristics of described equipments.**

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1.1	2012-4-27	Upgrade the software download	Tingting He		
1.0	2012-2-21	Draft creation	Ting ting He		
<b>Rev.</b>	<b>Date</b>	<b>Modification description</b>	<b>Prepared By</b>	<b>Checked By</b>	<b>Approved By</b>

## 1 Level2 repair process



## 2 Warranty Check and Visual Inspection

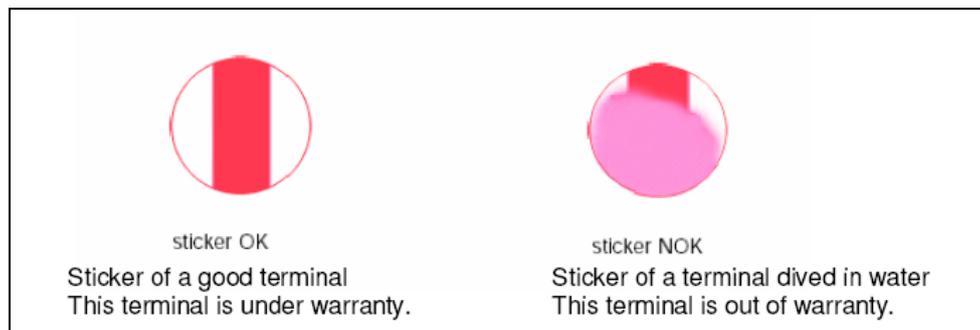
### 2.1 Warranty confirmation of L1

#### 1) IMEI sticker check:

- a) The IMEI number **MUST** be the same with the one on the IMEI sticker. If not, it's out of warranty policy
- b) IMEI label should not be
  - Removed
  - Scratched
  - Unreadable
  - Un-approved or un-provided by Alcatel.



#### 2) Humidity sticker: Liquid detection on humidity sticker.



### 2.2 Visual mechanical check

- 1) Corrosion
  - Corrosion on the USB connector, SIM connector, and other metal surfaces.
- 2) Hole (diameter > 1mm)

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- Holes on any surface, including the front casing, furnished frame, battery cover, touch Lens, keypad...
- 3) Bump
    - Bumps (diameter > 1mm) on any surface, including front casing, decorate frame, battery cover, touch Lens, keypad, etc.
  - 4) Scratch
    - Scratches (length > 3mm) on any surface, including the front casing, decorate frame, battery cover, touch Lens, keypad, etc.
  - 5) Distortion
    - Bend, twisted or crushed on the h/s, cover/casing or connectors, etc.
  - 6) Broken
    - Touch broken, casing/cover broken, etc.
  - 7) Dropped
    - Keypad tear off, touch lens, connectors dropped, etc.
  - 8) Gap
    - External physical damage relating to abnormal use, like front case and frame opened
  - 9) Others
    - Damage caused by disassembly ,wrong part assembly, loss of components
    - Use in abnormal environment like high temperature causing plastic melts

## 2.3 Pretest

- 1) Check that the SIM card is set correctly.
- 2) Insert the battery.
- 3) Power on the cell phone.
- 4) If the cell phone can not power on, visually check the condition of the battery connector. Replace it if necessary.
- 5) If the cell phone asks to input NCK code, this means it is SIM locked and can only be worked with dedicated SIM card. Use the correct SIM card.
- 6) Enter the phone code if necessary.
- 7) After the phone power on, test step by step with the auto test code:

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- Press \*#2886# in dial screen and select “Start” to begin the testing. Then you will see the interface displaying the version. Press pass to continue

If one of the testing failed, it will retest from the first one.

- TRACABILITY Test

I . PT1&PT2&BT&MMI&FT are "1"

II . Press “Pass” to continue.

- LCD MIRE/BLACK/GREYCHART/WHITE Test

I . You will see the LCD color changes if it functions well

II . Press “Pass” to continue.

- Battery temp Test

I . Battery temperature will be displayed on the screen

II . Press “Pass” to continue

- KEYPAD Test.

I . Press the key displayed on the screen. The key on the screen will disappear when you press it if it functions well

II . Press “Pass” to continue.

- LCD BackLight Test.

I . the screen backlight will flashing.

II . Press “Pass” to continue.

- Keypad BackLight Test.

I . the keypad backlight will flashing.

II . Press “Pass” to continue.

- Flash LED Light Test.

I . the light near the camera will flashing.

II . Press “Pass” to continue.

- VIBRATOR Test

I . You can feel the phone’s vibrating if it functions well.

II . Press “Pass” to continue.

- CAMERA Test

I . Scene will be shown on the screen.

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II. Press "Pass" to continue.

■ Mic & Receiver Test.

I. You will hear the sound from the receiver.

II. Press "Pass" to continue.

■ Audio Test.

I. You will hear the melody if it functions well.

II. Press "Pass" to continue.

■ SIM Test

I. Insert the SIM card and the phone will detect it if it functions well

II. Press "Pass" to continue

■ MMC/SD card Test

I. Insert the Memory card and the phone will detect it if it functions well

II. Press "Pass" to continue

■ Charge Test

I. Insert the charge and the phone will detect it if it functions well

II. Press "Pass" to continue

■ USB Test

I. Insert the charge and the phone will detect it if it functions well

II. Press "Pass" to continue

■ Headset Test

I. Insert the headset and make the voice, you will hear the sound from the headset

II. Press "Pass" to continue

■ FM Test

I. FM will auto search a Freq

II. Press "Pass" to continue

■ BT Test

I. The phone will running the BT and show the BT address on screen

II. Press "Pass" to continue

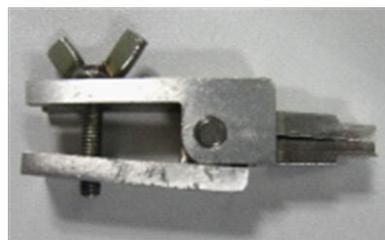
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Screwdriver



Soldering iron



Camera Jig

## 4.3 Disassembly process

The steps of disassembly one touch 902 are as below.

This module should only be disassembled from bottom to top.

Step 1: Remove the battery cover and battery.

Step2: Take off the 7 screws from the furnished frame by screw driver.

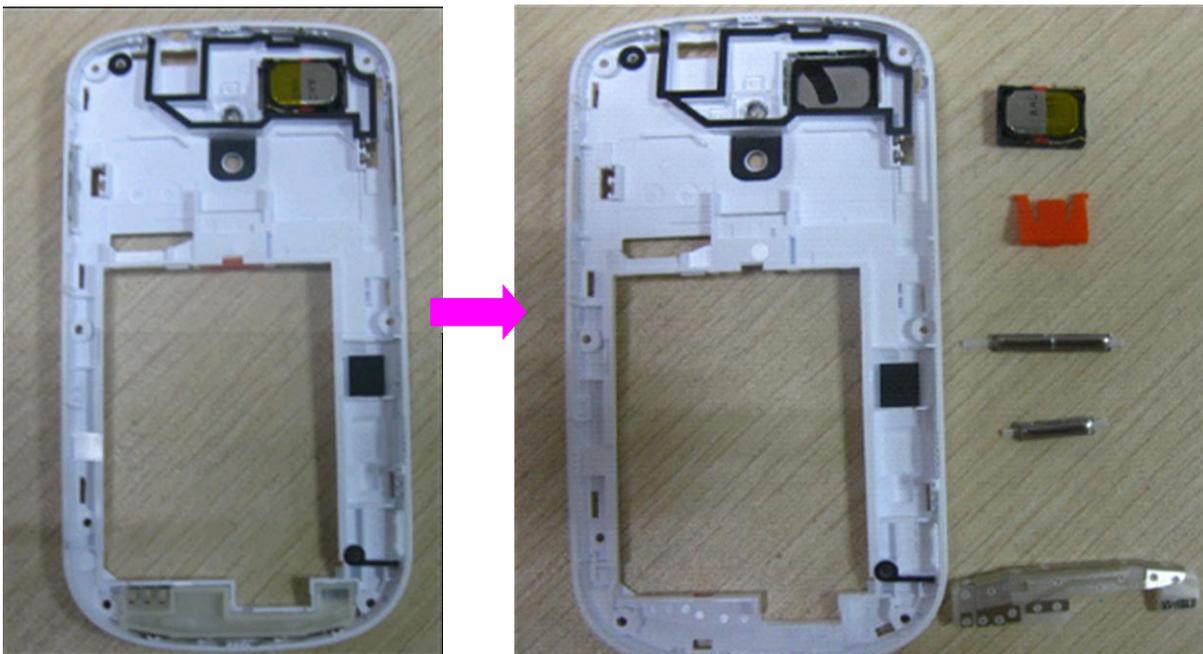


Step 3: Separate the furnished frame from furnished front casing.

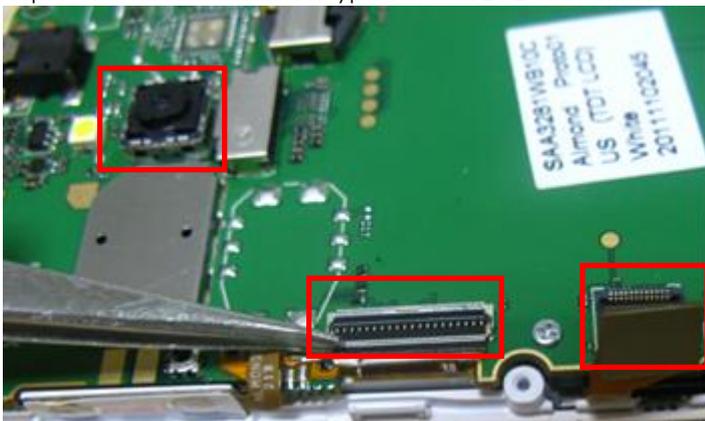




Step 4: Remove main antenna, speaker, T--card gate and side keys from furnished frame.



Step 5: Remove furnished keypad FPC & LCD Module FPC connector, and extract the camera by camera jig.



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**BY NCK TEAM**



Inner packing is anti-static bag



Outer packing is anti-vibration bag

Custom label is easy to see



Put commercial label on anti-vibration bag

### 3、 Packing Requirements

- i. Please pay attention to the following points when different models put into one box:
- ii. Stick up the same models with tapes
- iii. Mark the model, quantity and specification of custom label on tape
- iv. The packing box for PCBA should have marking sticker and well sealed by the tape with TCL logo
- v. Finally put all the packing boxes into packing cases strong enough and post to HK.

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