

Technical Document

Document Title: C220 CDMA 1X After-sales Service
Manual (Level 1)

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1. Product Summary

1.1 Standard Configuration

No.	Name	Quantity
1	Handset	1
2	Li Battery	1
3	Charger	1

1.2 Specification

- ◆ Network: CDMA
- ◆ Dimensions: 80mm*43mm*22mm (antenna excluded)
- ◆ Weight: 85g (battery included)
- ◆ Continuous talk time: 2hrs – 4hrs
- ◆ Continuous stand-by time: 80hrs – 160hrs

1.3 Main Functions

- ◆ LCD: Color display, 96*64 pixels, 64k color.
- ◆ Support full screen display.
- ◆ Calling function.
- ◆ Emergency call.
- ◆ Support send/receive short message.
- ◆ Support OTASP function.
- ◆ Support handset with card and card separated, hardware compatible, manage software according to version.
- ◆ Default display is the information of NV or operator information in UIM card when switch-on. Start picture will decide by operator.
- ◆ For the version of handset and card separated, the handset will clew that insert UIM card

when you turn on the handset without card.

- ◆ Display dialing number and incoming call number.
- ◆ Support DTMF dialing function.
- ◆ Support 32 digit dialing.
- ◆ Support short digit dialing of VPN.
- ◆ Business card capacity: 100.
- ◆ For the version of handset and card separated, support phonebook information transmitted between handset and UIM card.
- ◆ Reserve 10 recently call number.
- ◆ Reserve 10 recently incoming number.
- ◆ Reserve 10 missed call number.
- ◆ Reserve the time of the last calling and the total talking time.
- ◆ Reserve 20 short messages.
- ◆ Support reserve short message in NV first for the version of handset and card separated.
- ◆ Support memory function, search broadcast channel from recently used basic CDMA channel or assistant CDMA channel.
- ◆ Support PIN code setting and change.
- ◆ Support handset password setting and change.
- ◆ Limit calls (L.d.tel.)
- ◆ Limit incoming call.
- ◆ Restore factory settings.

1.4 Inner and Outer Type Names

Inner Type	Outer Type
P300C2	C220

2. Inner Structure and Elements

2.1 Function Test

ESN Code Test:

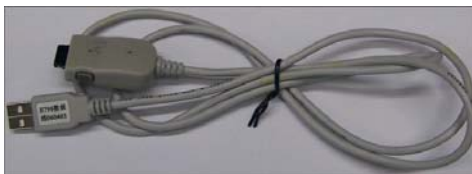
- ◆ Input ‘*#06#’ command to check the ESN code, the ESN code display must be the same as the handset type-label.

Basic Function Test

- ◆ Input ‘*983*0#’ command to enter test mode, test LCD→Ring tones→Motor→Keypad→Audio loop→Earphone→FM successively and then exit
- ◆ Input ‘*983*3641#’→press ‘OK’ → press ‘down’, select ‘version’, and then press ‘OK’ check the software version.
- ◆ Input ‘*983*3641#’→press ‘OK’ → press ‘*’ to test the basic function, the handset will test automatically, and do LCD display test, ring tone test, vibration test, key-press test, echo test, earphone test in turn. Press hang up key to exit, the handset will automatically restart.
- ◆ During the earphone test, display ‘Headset Connected’ when plug in earphone, and ‘Headset Removed’ when unplug.

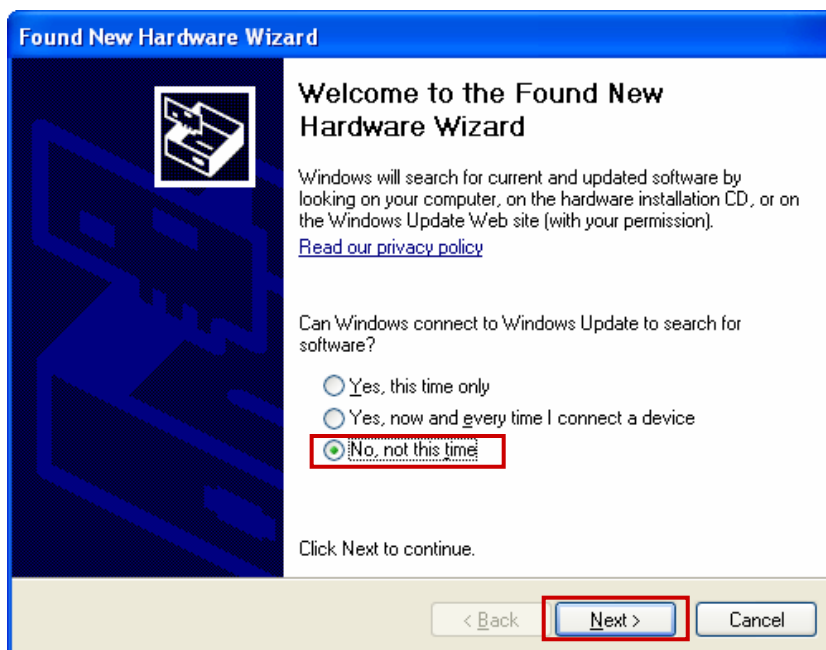
2.2 Software Download

- ◆ Software download illumination
Each handset to be repaired should be upgraded to the latest version, that is, each repaired handset should be in the latest version.
- ◆ Download data cable
E798 download cable (materiel code: ISO011259)

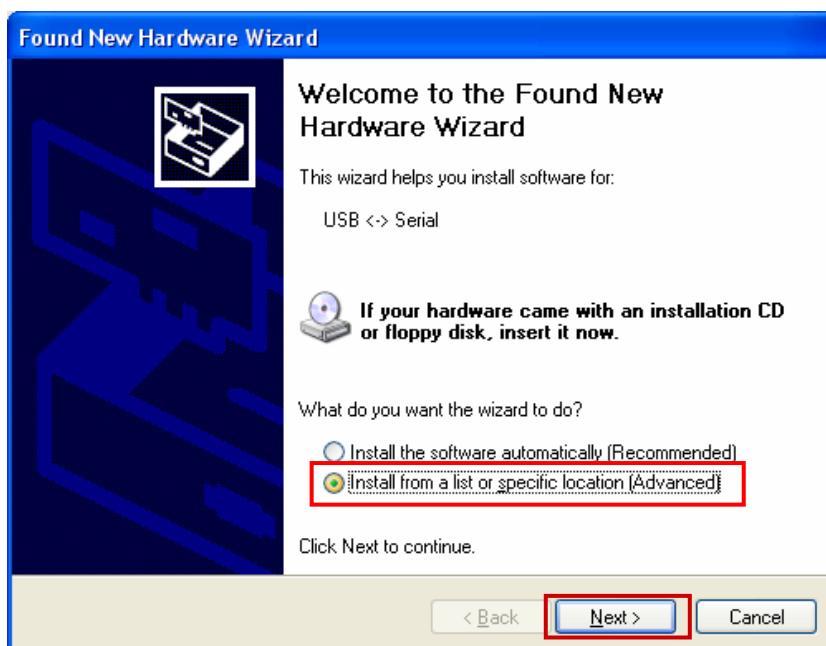


- ◆ Download cable driver
USB data cable driver installation for E798:

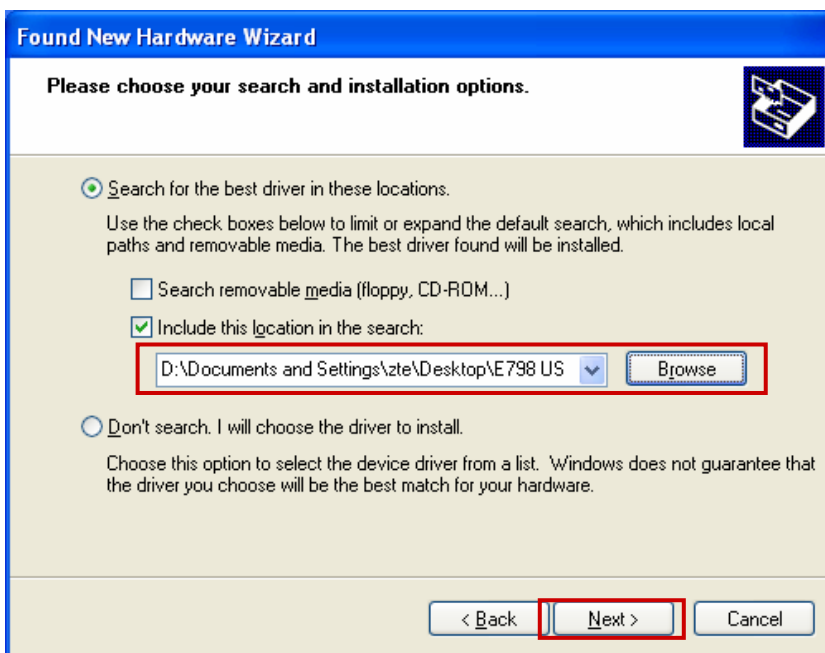
- ◆ Plug data cable into the USB port, the interface of install will appear. Select 'No, not this time', and click 'Next' button.



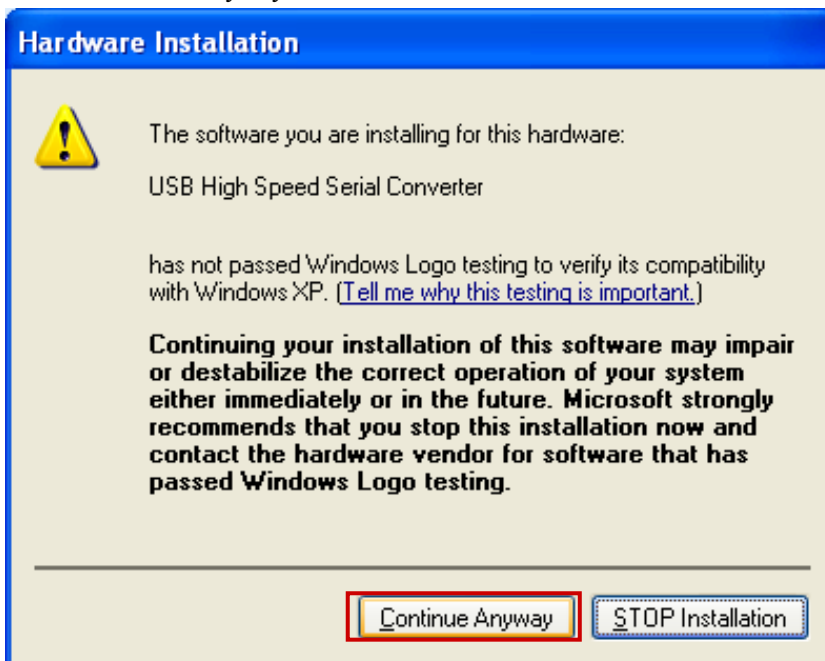
- ◆ Select 'Install from a list or specific location (Advanced)', and click 'Next' button.



Select 'Include this location in the search' and click 'Next' button.



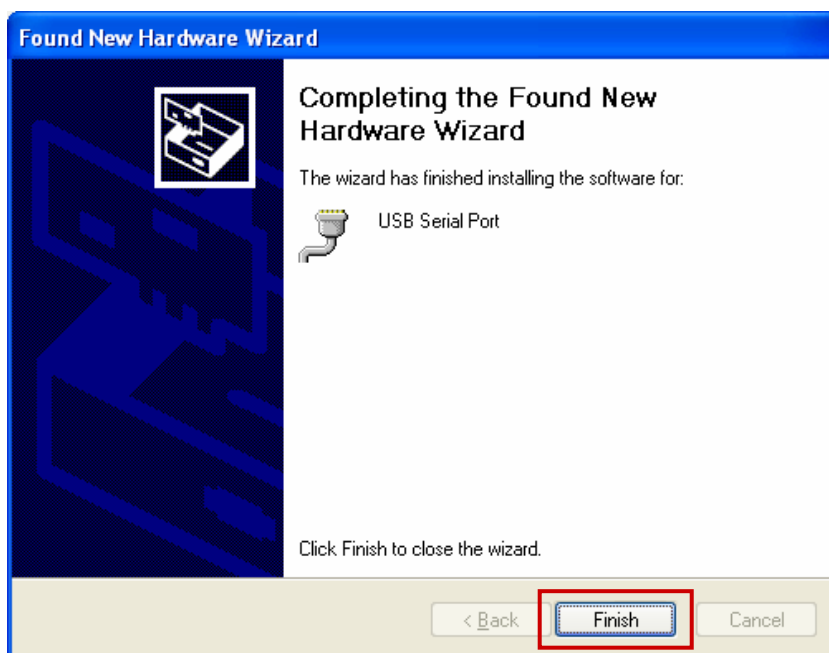
- Click 'Continue Anyway' button.



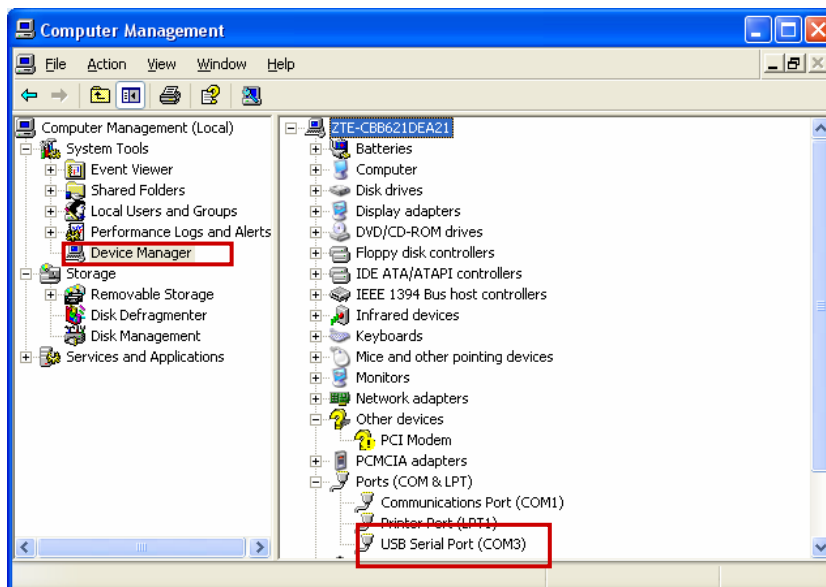
- ◆ Installing.



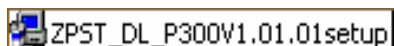
- ◆ Click 'Finish' button.



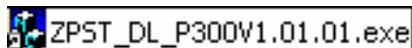
- ◆ Enter 'Device manager' to check ports.
- ◆ Checking route: right click My Computer → Properties → Hardware → Device Manager → Ports.



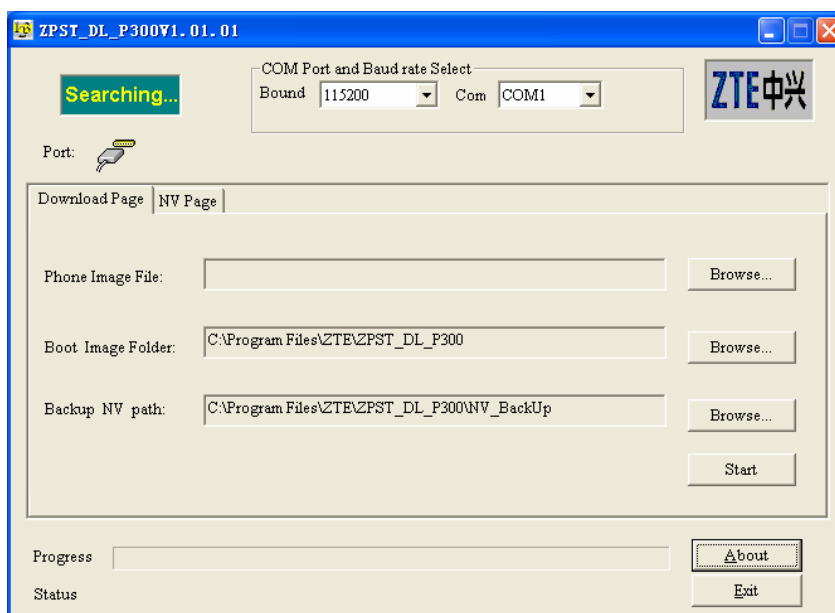
- ◆ Install platform: ZPST_DL_P300V1.01.01setup



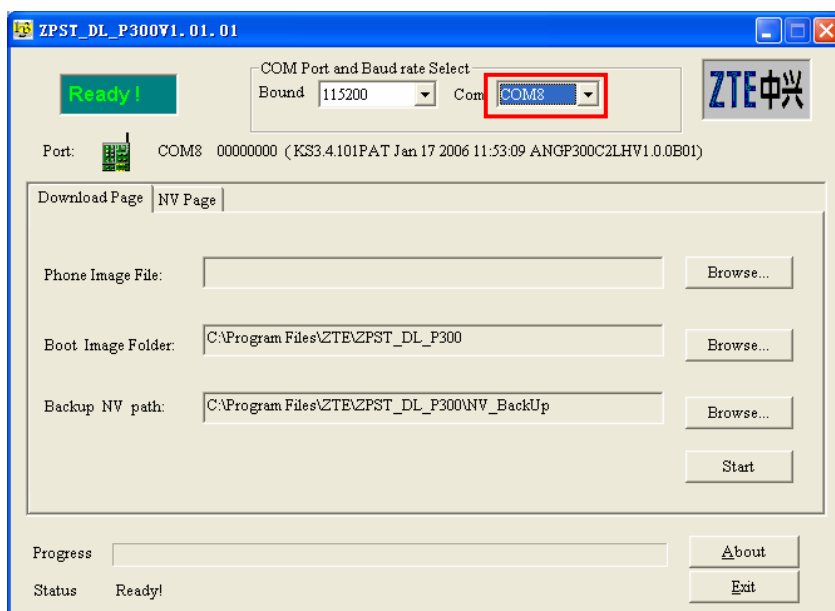
- ◆ After successful installation, double click shortcut icon on desktop



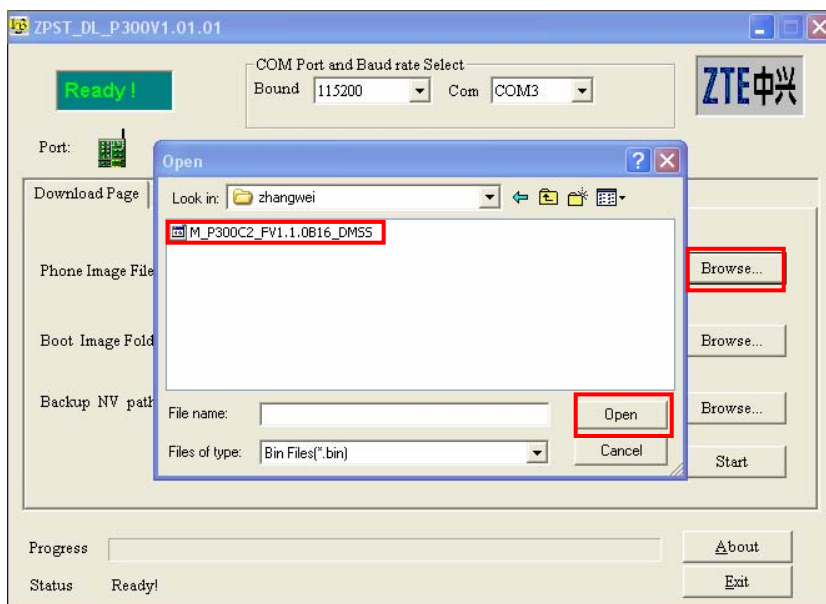
- ◆ Main interface of download.



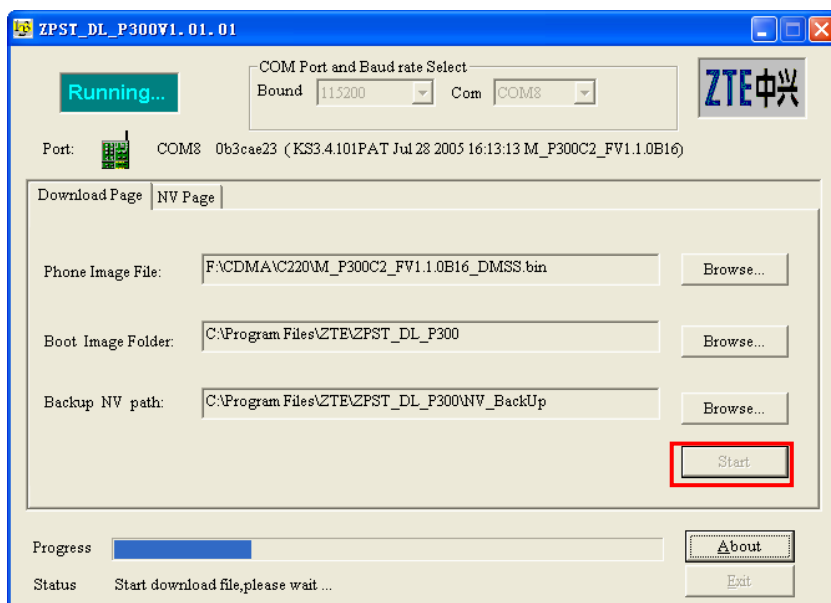
- ◆ Choose the right COM port.



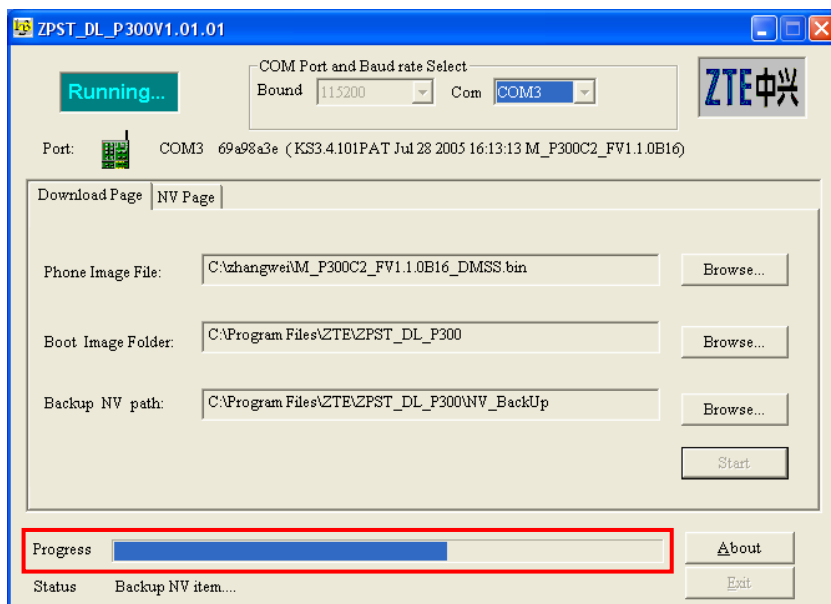
- ◆ Click 'Browse' button, and select version file.



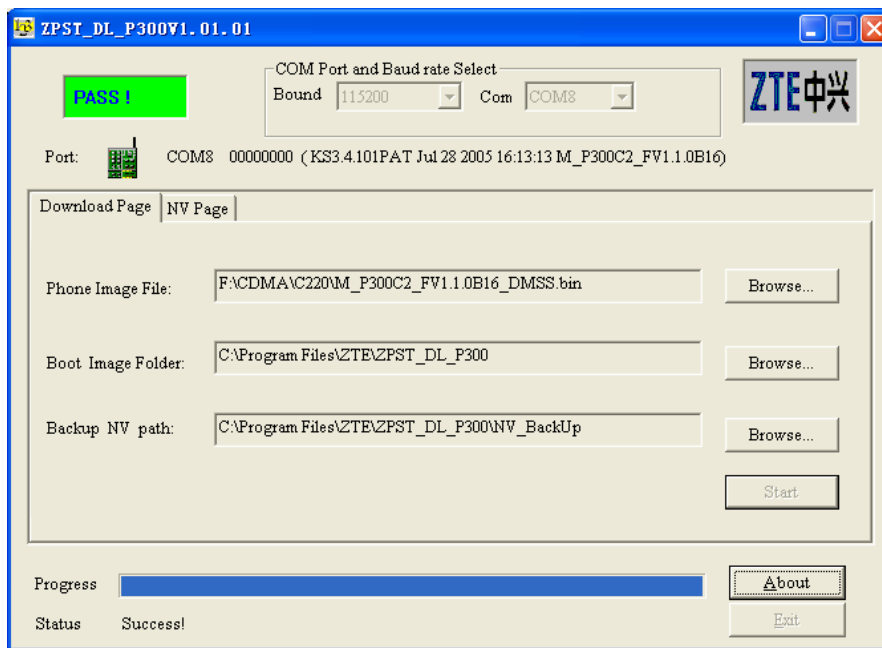
- ◆ Click 'Start' button and begin to download.



- ◆ Downloading.

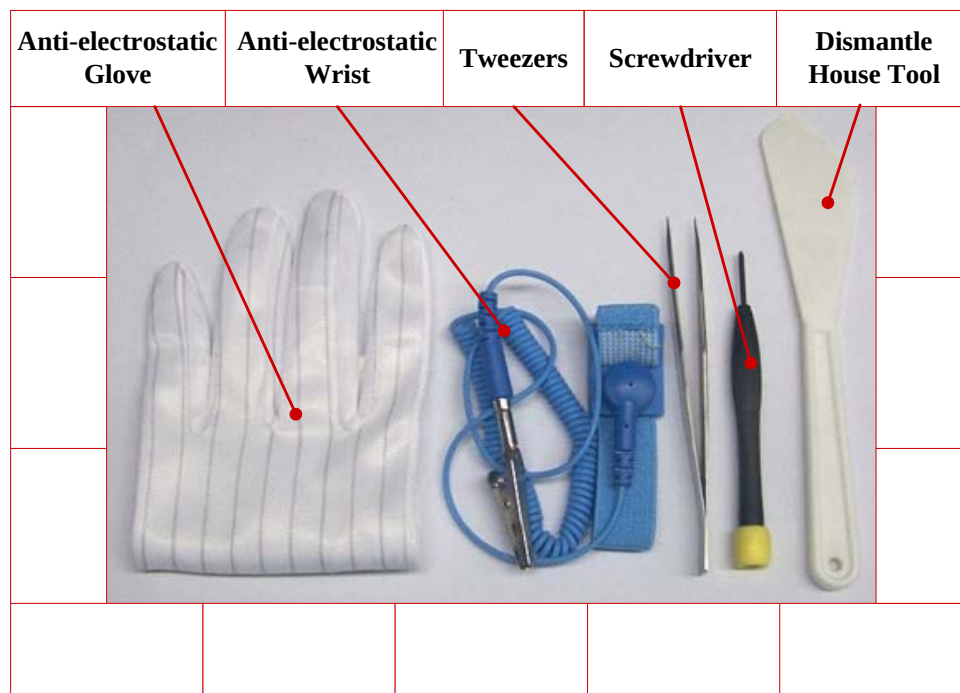


- ◆ Finish.



2.3 Disassembly Flow

- ◆ Tools



- ◆ Take out the battery. Pay attention to the positions of connecting points.

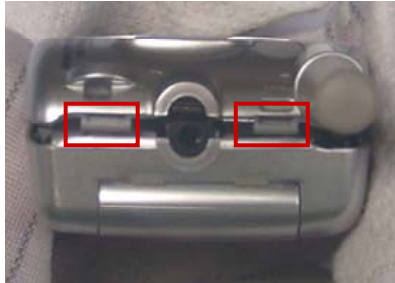


- ◆ Pay attention to the positions of four screws.

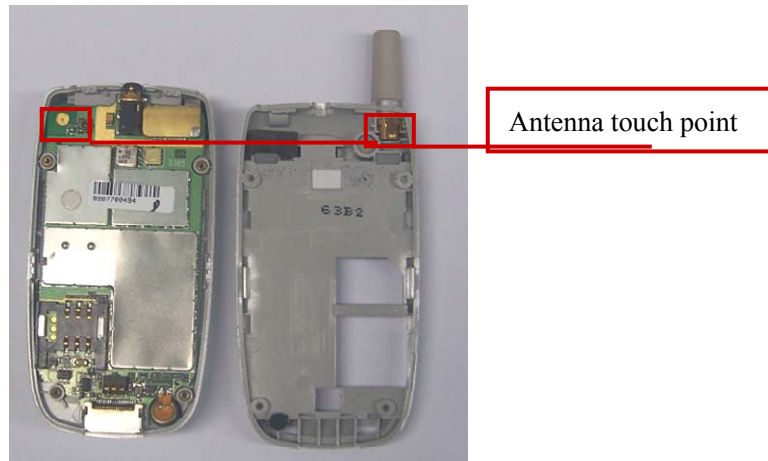


- ◆ Separate the front and back covers with dismantle house tool, pay attention to the positions of the locks.





- ◆ Take out the back cover, pay attention to the position of antenna.



- ◆ Take out the FPC which connecting with LCD.



- ◆ Take out the hinge, pay more attention to the position of it.



- ◆ Separate front cover, pay attention to the locks



Speaker& Receiver



Motor

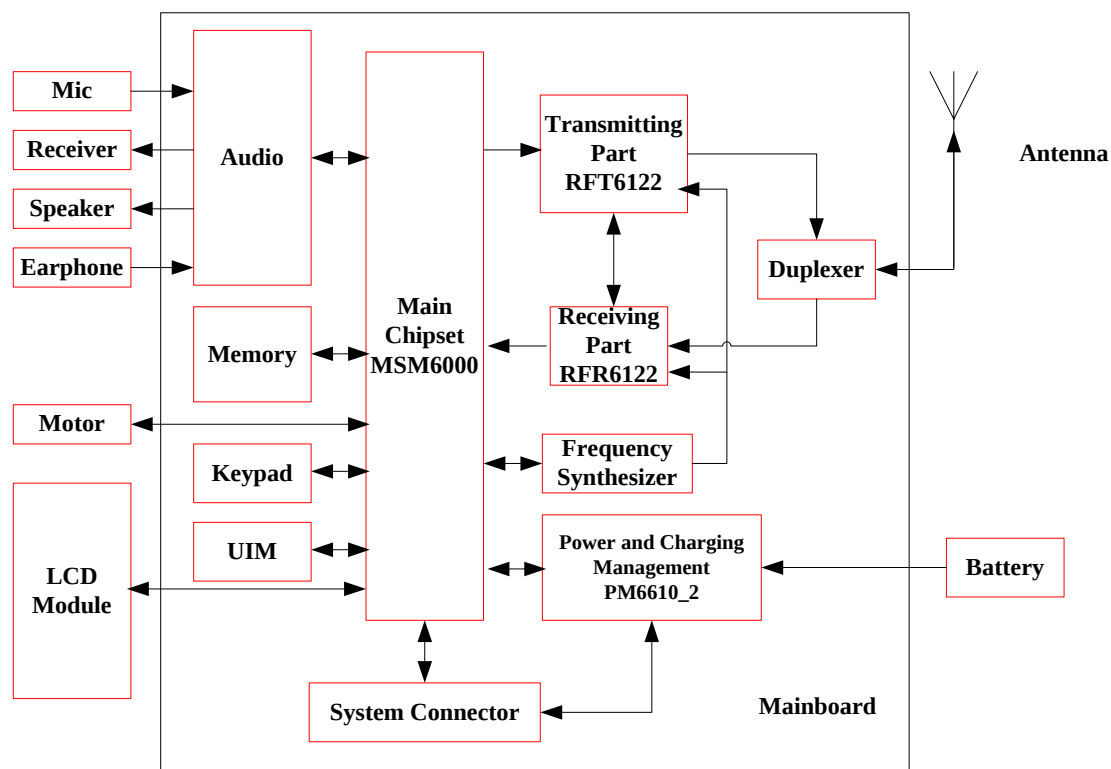
- ◆ Dismantle the LCD and FPC.



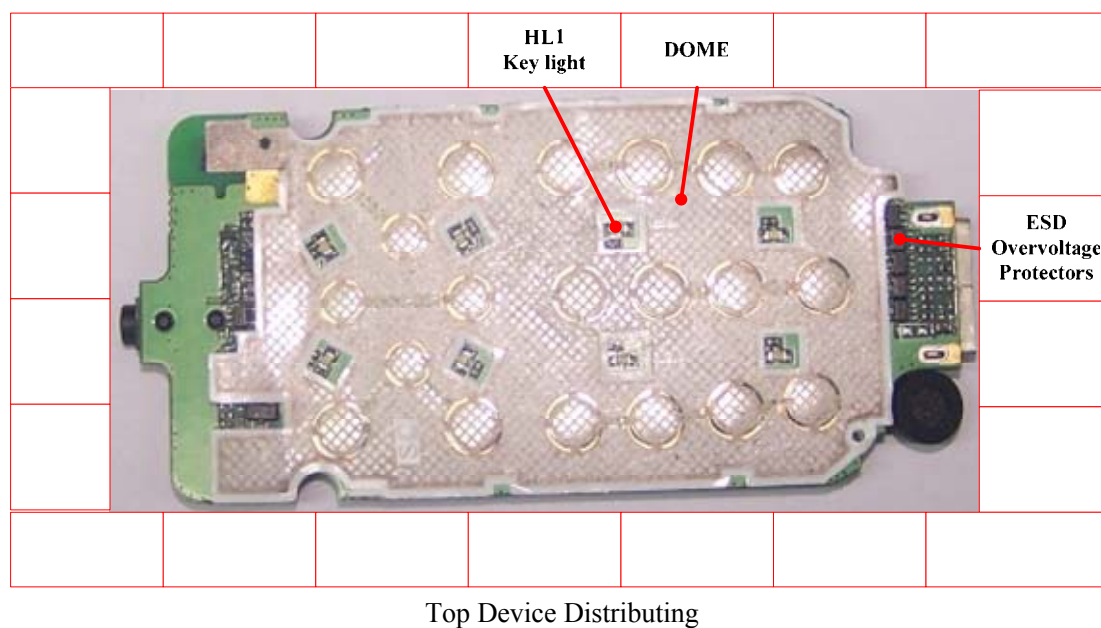
2.4 Composing

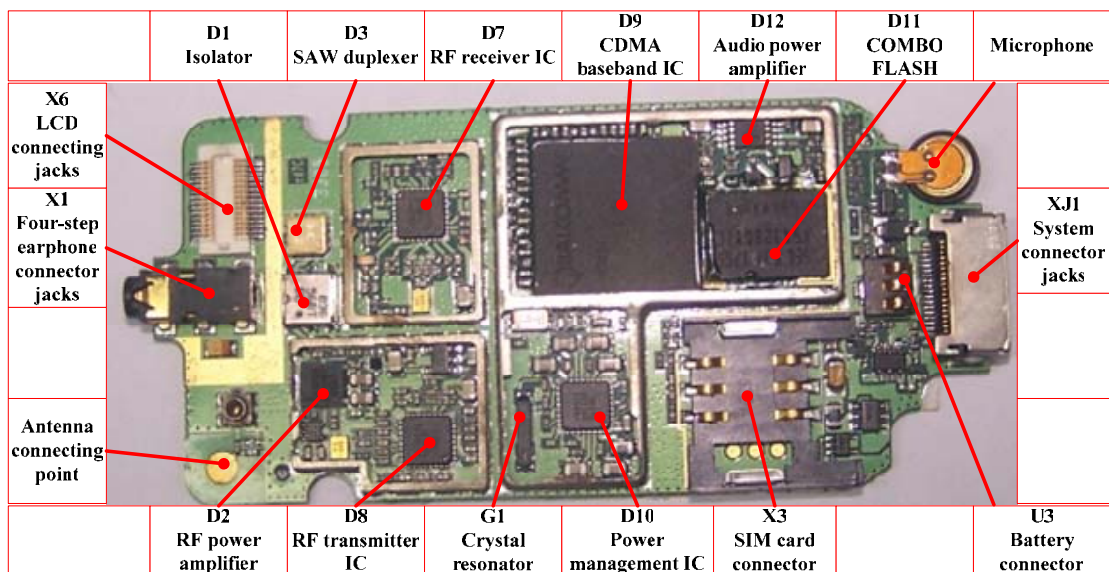
	Battery	LCD Module	Mainboard	FPC	Antenna	Down Front Cover
Hinge						
Up Front Cover						
	Up Back Cover	Motor	Speaker	Microphone	Keypad	Down Back Cover

2.5 Block Diagram



2.6 Basic Device Distributing





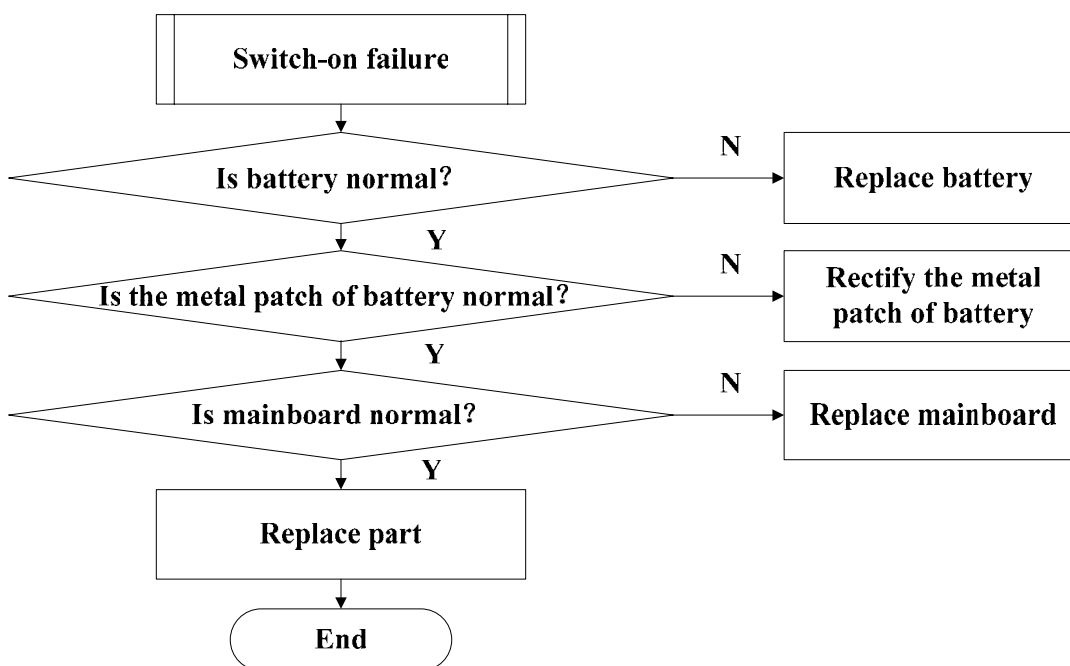
Bottom Device Distributing

3. Basic flow chart of familiar troubleshooting (Level 1)

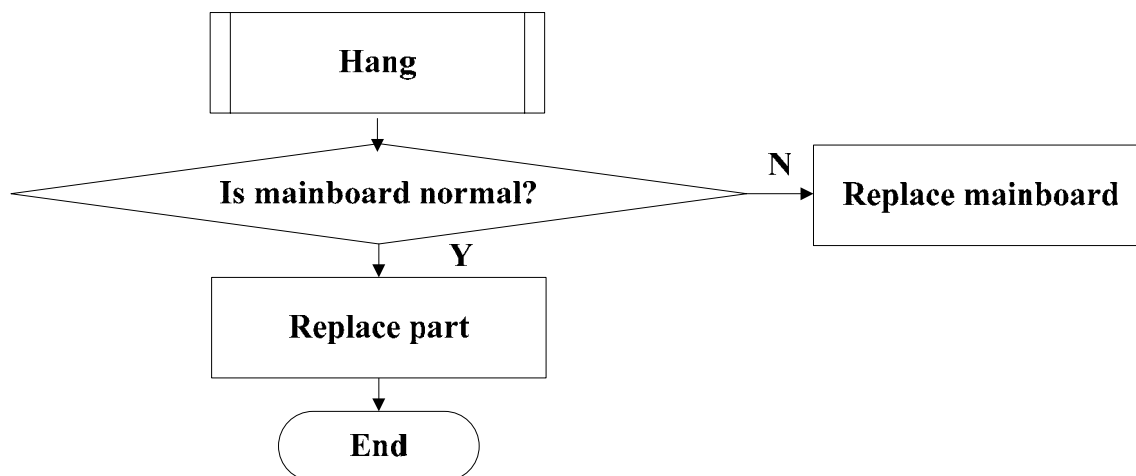
3.1 Outer Parts Failure

Outer parts failure according to the dismantling flow.

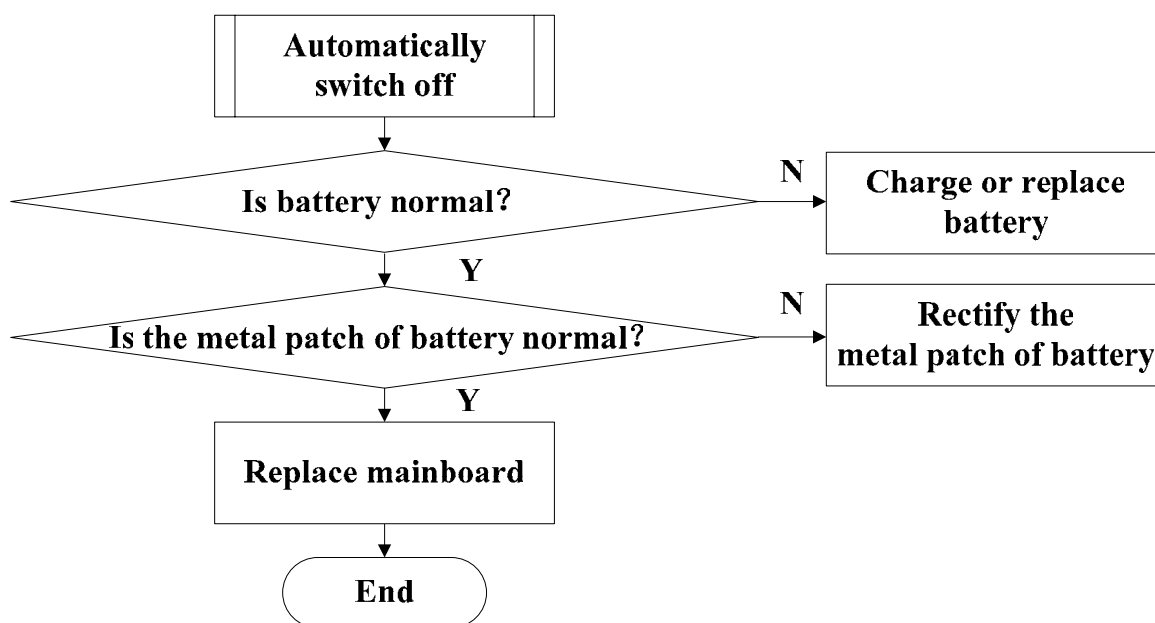
3.2 Switch-on Failure



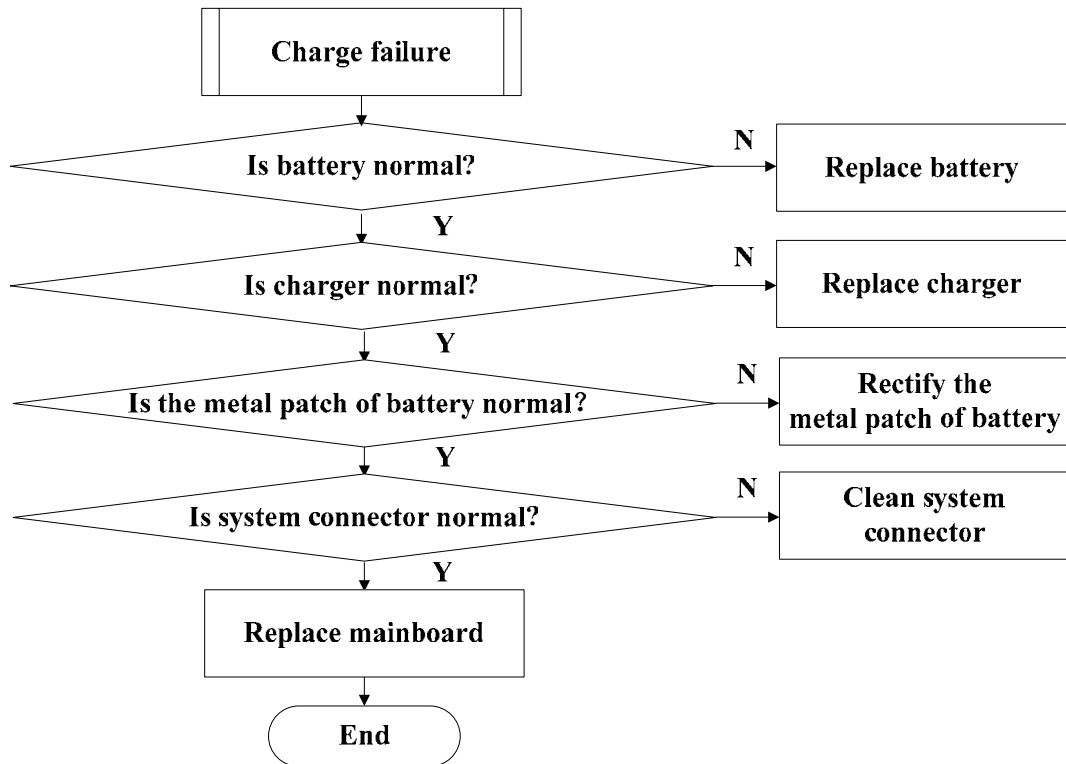
3.3 Hang



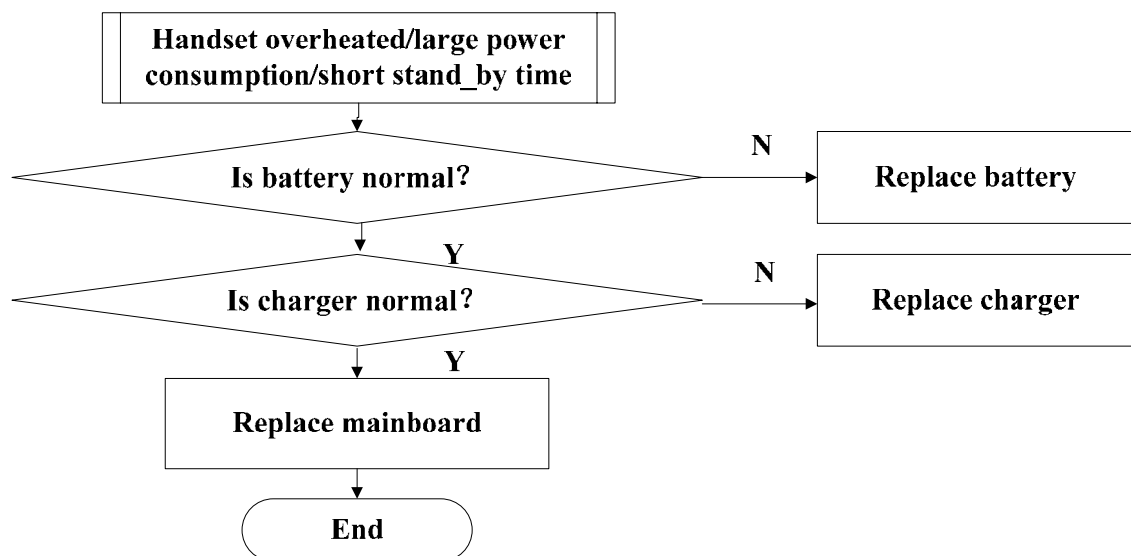
3.4 Automatically Switch Off



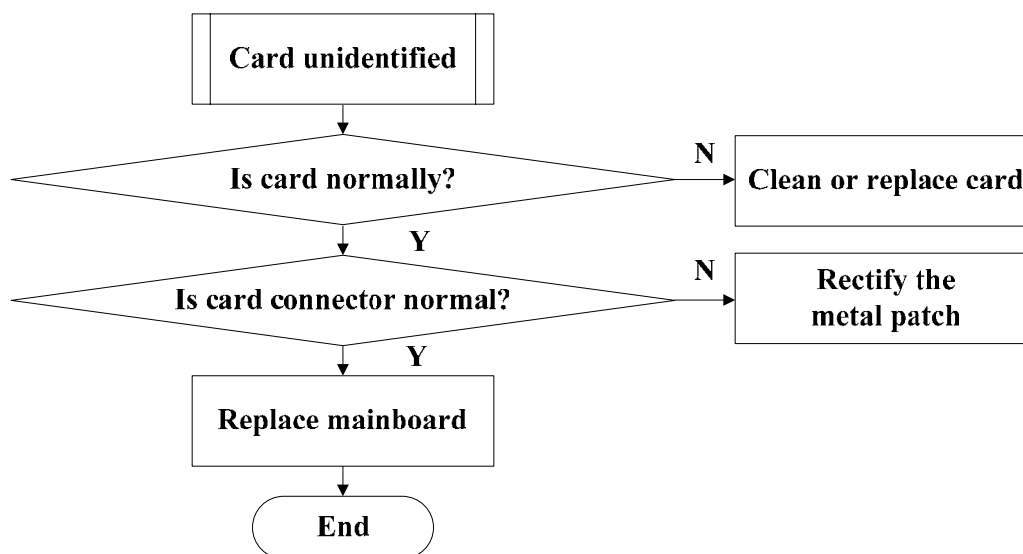
3.5 Charge Failure



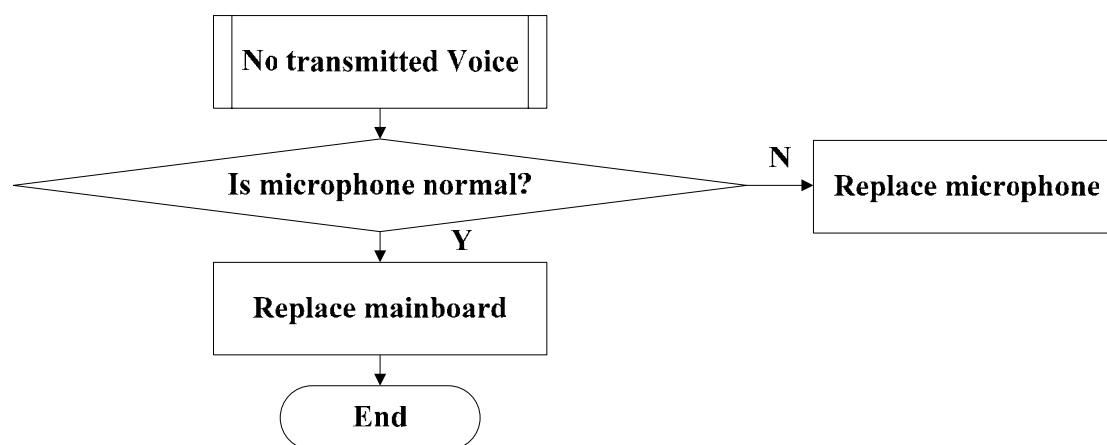
3.6 Handset Overheated



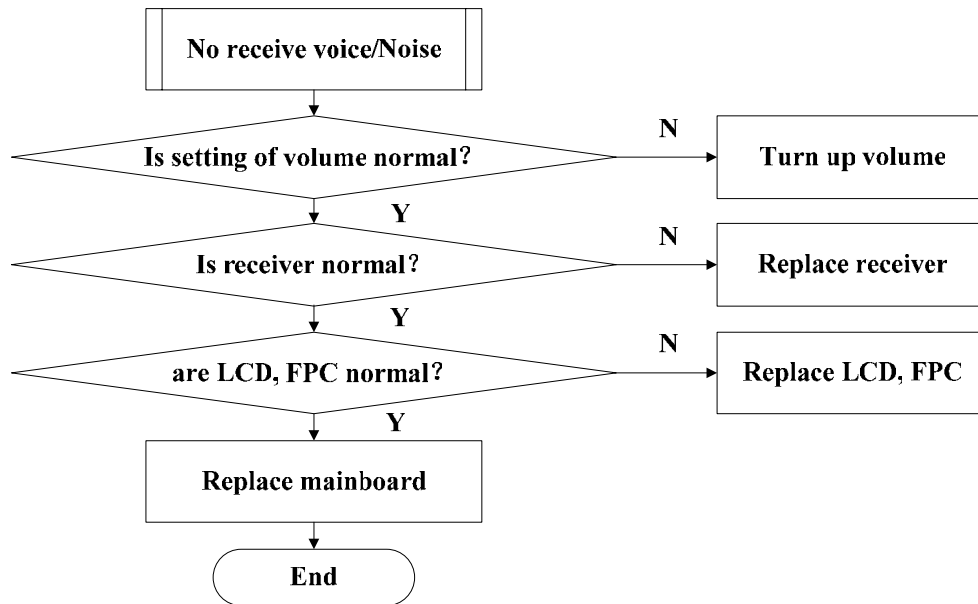
3.7 UIM Card unidentified



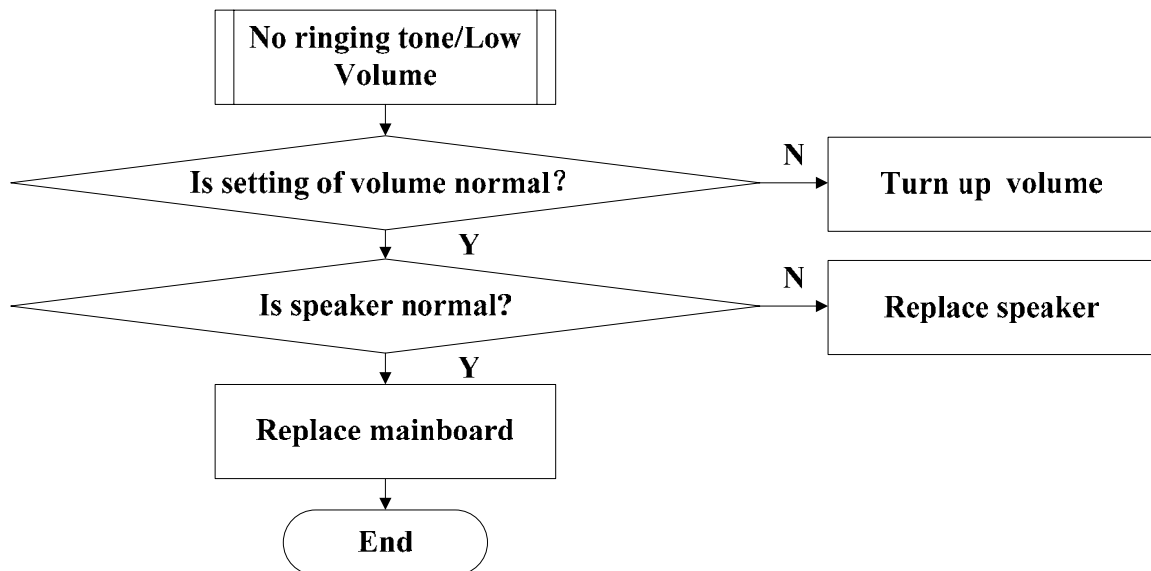
3.8 No Transmitted Voice



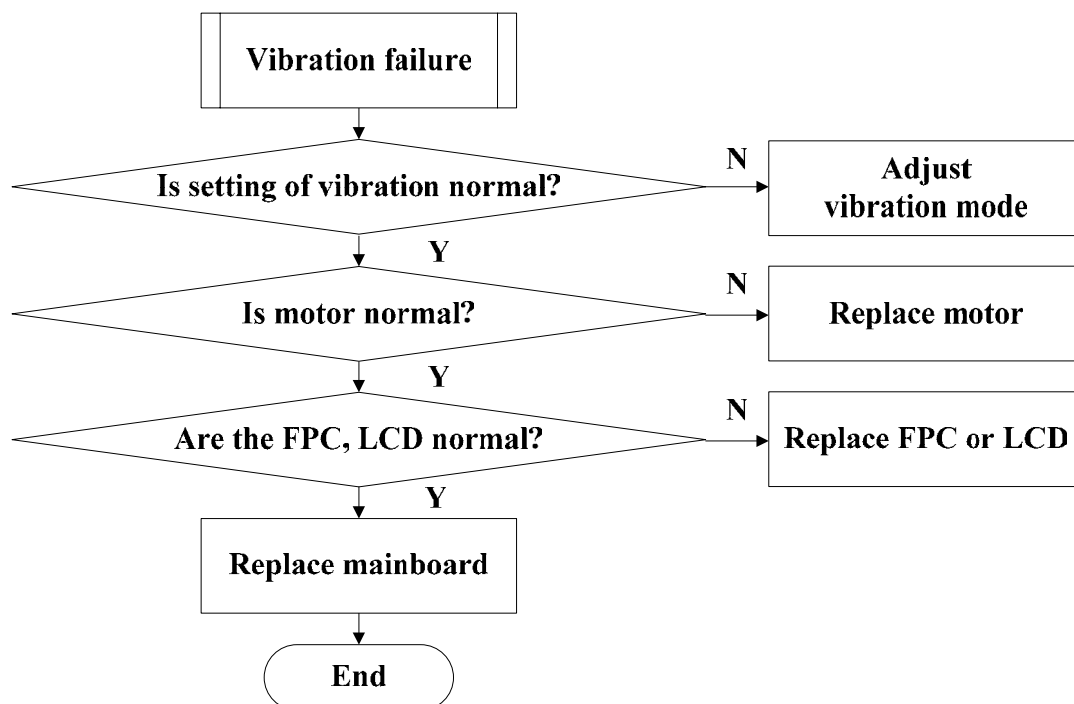
3.9 No Receive voice/Noise



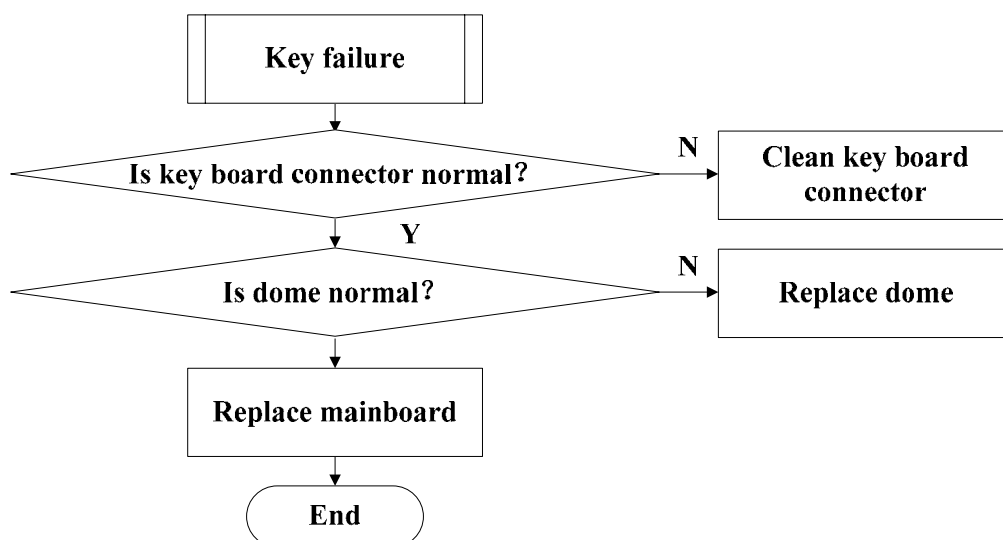
3.10 No Ring Tone or Low Volume



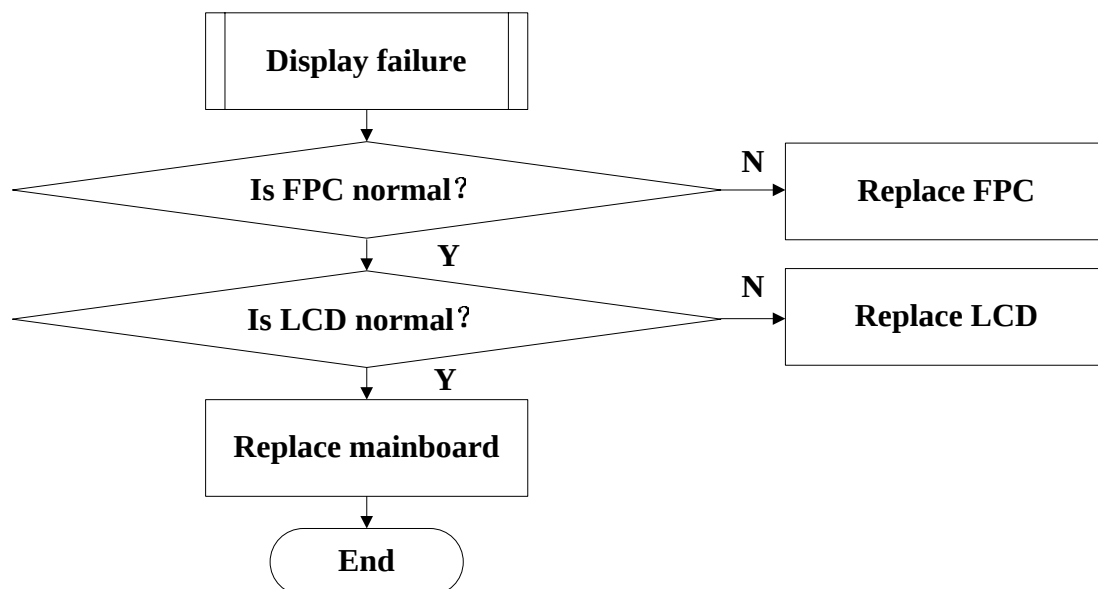
3.11 Vibration Failure



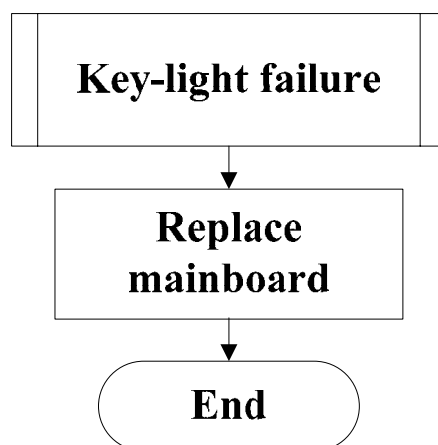
3.12 Key-press Failure



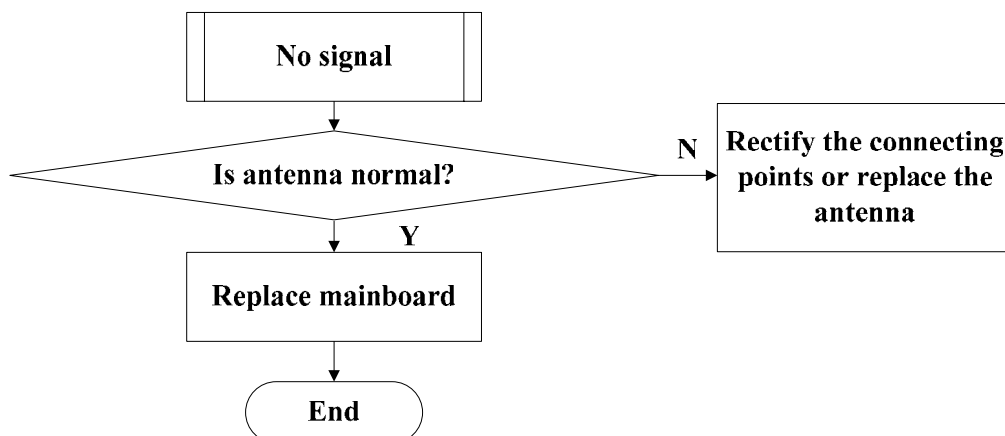
3.13 Display Failure



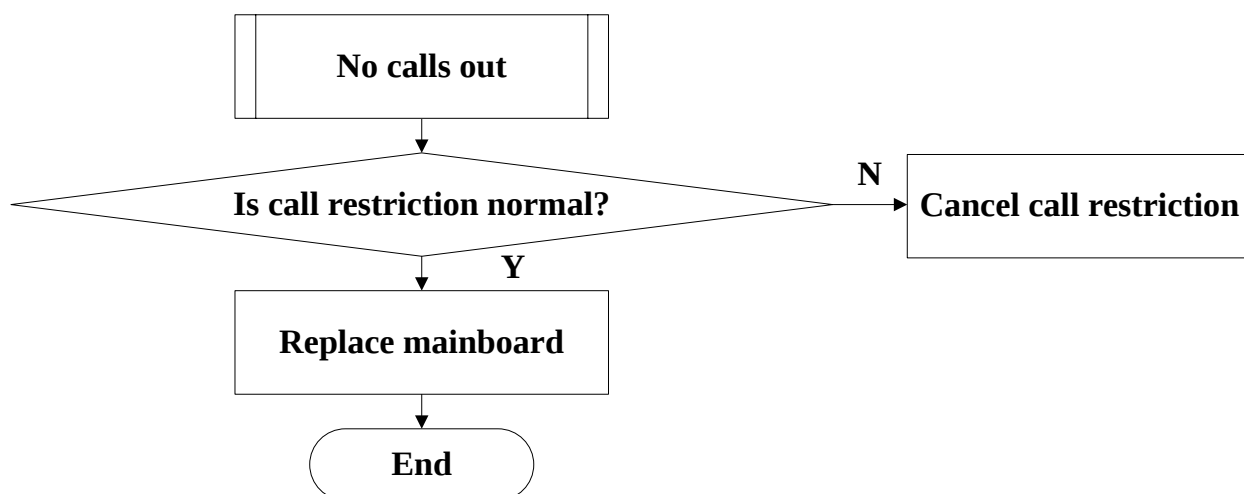
3.14 Key-Light Failure



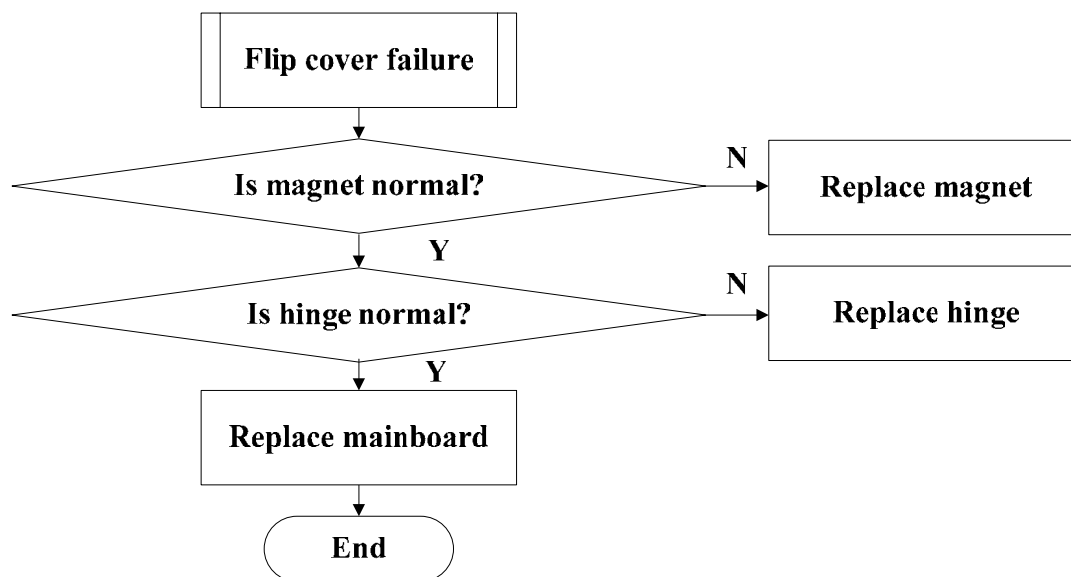
3.15 No Signal



3.16 No Calls Out



3.17 Flip Cover Failure



4. Parts List

Parts list of P300C2 CDMA mobile telephone	
Materiel code	Materiel name
55401001370	Up front cover parts of P300C2
55401001371	Up front cover parts of P300C2
55401001372	Down front cover parts of P300C2
55401001373	Down back cover parts of P300C2
55402000315	Keypad of P300C2
35030100057	A300C LCD Module
35040100006	Single-side receiver and speaker in X platform
35040300026	Microphone
35070100016	Motor
50603000151	P300C2 outer antenna
40040400027	P300C2 LCD PCB

Note: This is the main parts list .If you need a detail one , please apply it from local after-sales service manager.