

Technical Document

Document Title: ZTE C335 CDMA 1X After-sales
Service Manual (Level 1)

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(Cover Included)

Drafted Wang Hui

Checked Ying Chenguang

Signed _____

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Approved _____

ZTE CORPORATION

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1. Product Summary

1.1 Standard Configuration

NO.	Name	QTY
1	Handset	1
2	Battery	1
3	Charger	1
4	User Manual	1

1.2 Specification

Network: CDMA

Frequency range: TX 824~849MHz; RX 869~894MHz

Dimension: 104*46*12.8mm

Weight: 70g (battery included)

LCD: CSTN, 65K colors, 128*128 dots

Memory: 64Mbit Flash, 16Mbit SRAM

Battery capacity: 670mAh

Stand-by time: >160 hrs

Talk time: >160 min



1.3 Function

Phone book: 500 pieces

32 polyphone tones; 20 ring tones for incoming call, 6 ring tones for short message

Memorize the latest 40 out call number

Memorize the latest 40 incoming call number

Support language: Chinese/English

Short message: 100 for inbox/outbox

Other: calculator, game, alarm clock, stopwatch

1.4 Inner Type

Inner type	Out type
ZTEC335	C335

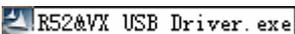
2. Inner Structure and Elements

2.1 Function Test

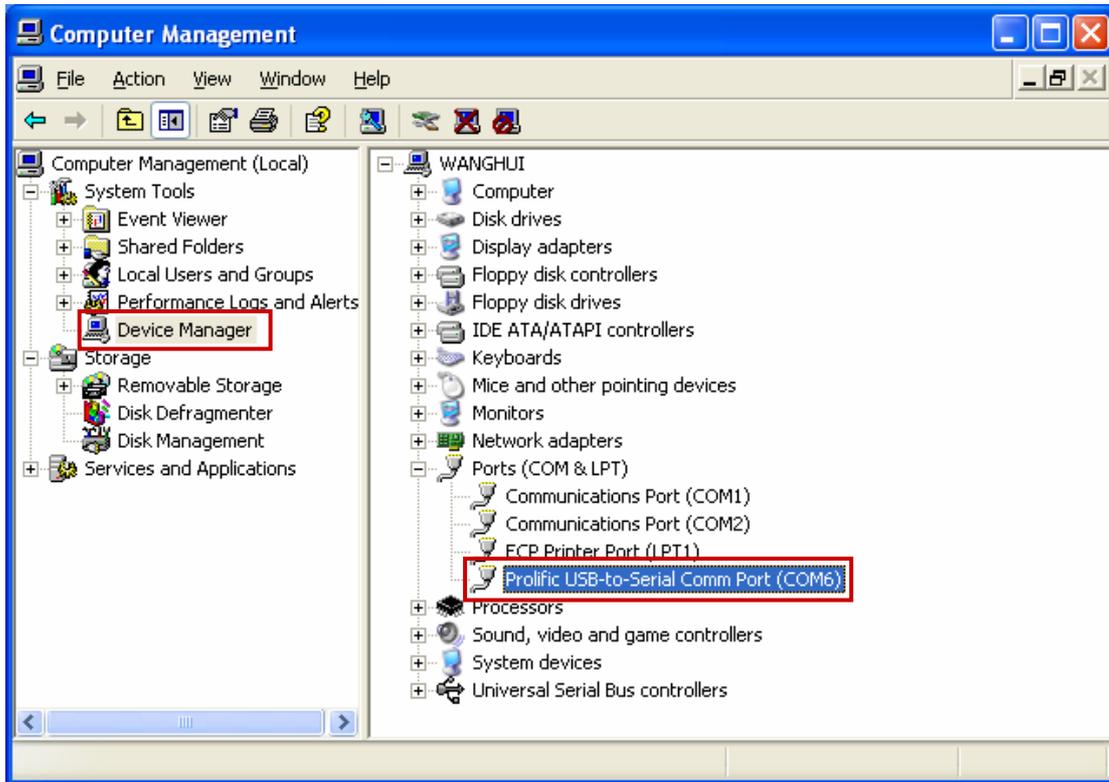
- ◆ **ESN test code: *#06#**
- ◆ **Version test code: *983*837#**
- ◆ **Function test code: *983*0#**
Input '*983*0#' to test LCD→ ringing tone→ vibrator→ keypad→ audio loop→ earphone
- ◆ **Main test items**
 - LCD test: check whether there is any display defect such as line defect, point defect or askew display.
 - Ringing tone test: check whether there is any abnormal cacophony.
 - Vibrator test: check whether the vibration is even.
 - Keypad test: see whether concerning letters or words could be input with even pressing strength and whether the keys are with enough springiness and fine handle.(press the 'End' key finally)
 - Audio loop test: blow to the microphone, and the speaker sends out rustles, but no other noise.
 - Earphone test: plug in the headset, blow to the microphone, and the speaker sends out rustles, but no other noise.

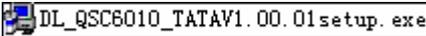
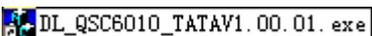
2.2 Software Download

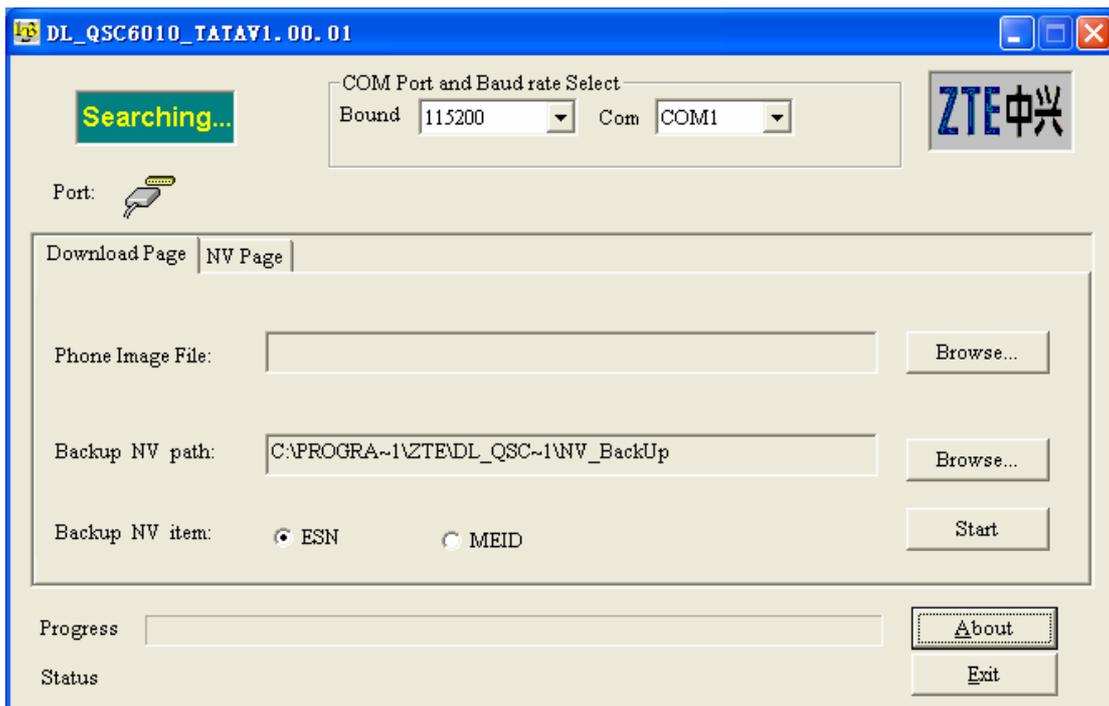
- ◆ Software download instruction
Each handset to be repaired should be upgraded to the latest version, that is, each repaired handset should be in the latest version.
- ◆ Download data cable
C350/C310 download data cable (code: ISO13032)

- ◆ Data cable driver
R52&VX USB driver


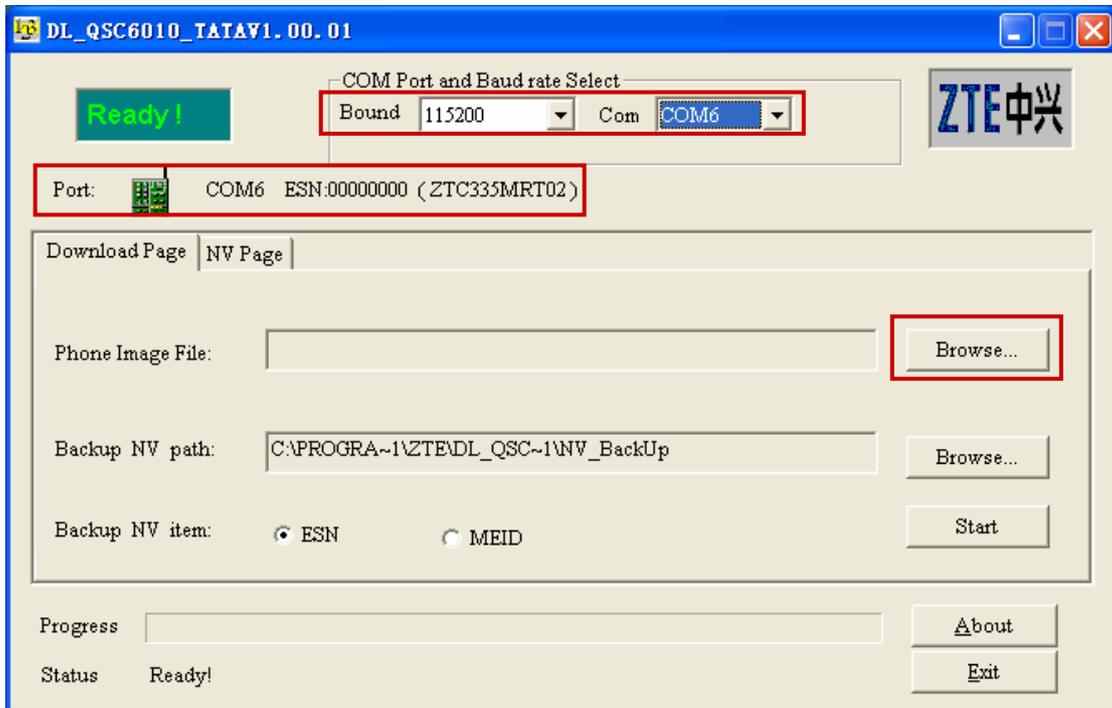
- ◆ After install the data cable driver, connect PC with data cable, enter 'Device Manager' to check the serial port
- ◆ Check route: right click 'My Computer' → 'Management' → 'Device Manager' → 'Ports'



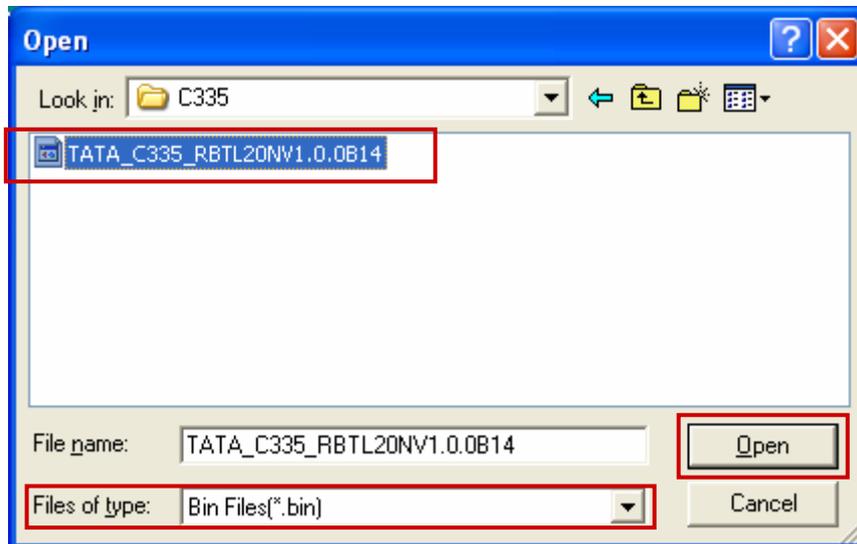
- ◆ Install the download platform: DL_QSC6010_TATAV1.00.01setup

- ◆ After install download platform, double click shortcut icon

- ◆ Main interface



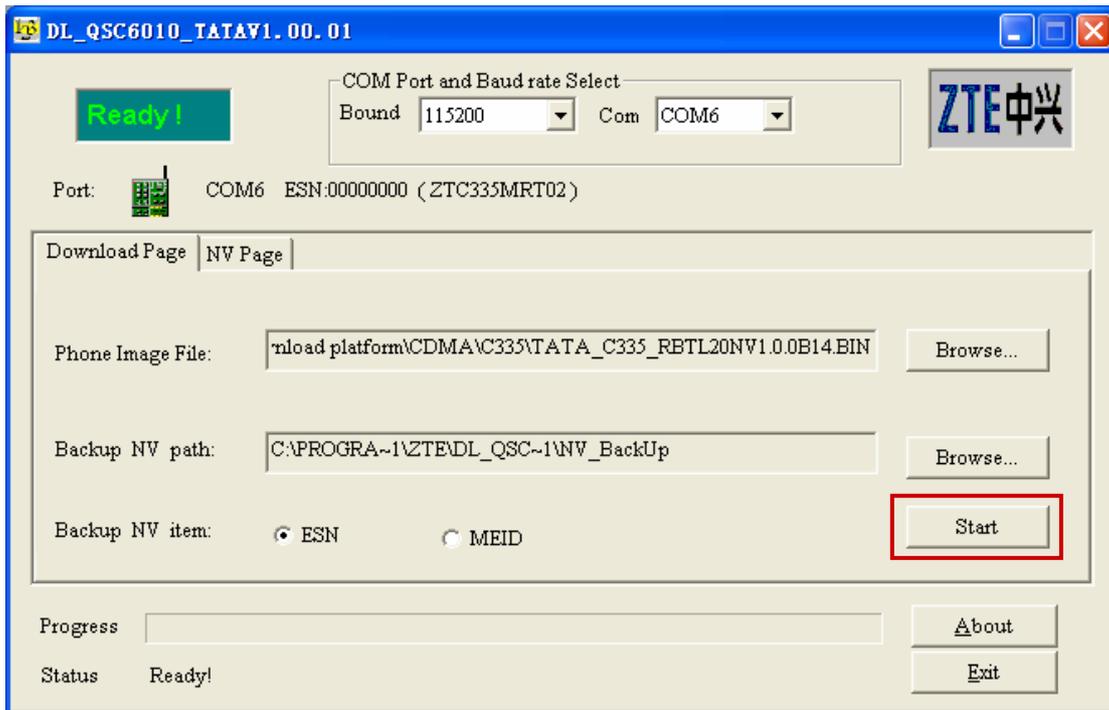
- ◆ Select 'Bound115200'
- ◆ Select correct serial port; connect handset with data cable, then the platform will read out the software version information of handset automatically
- ◆ Click 'Browse'



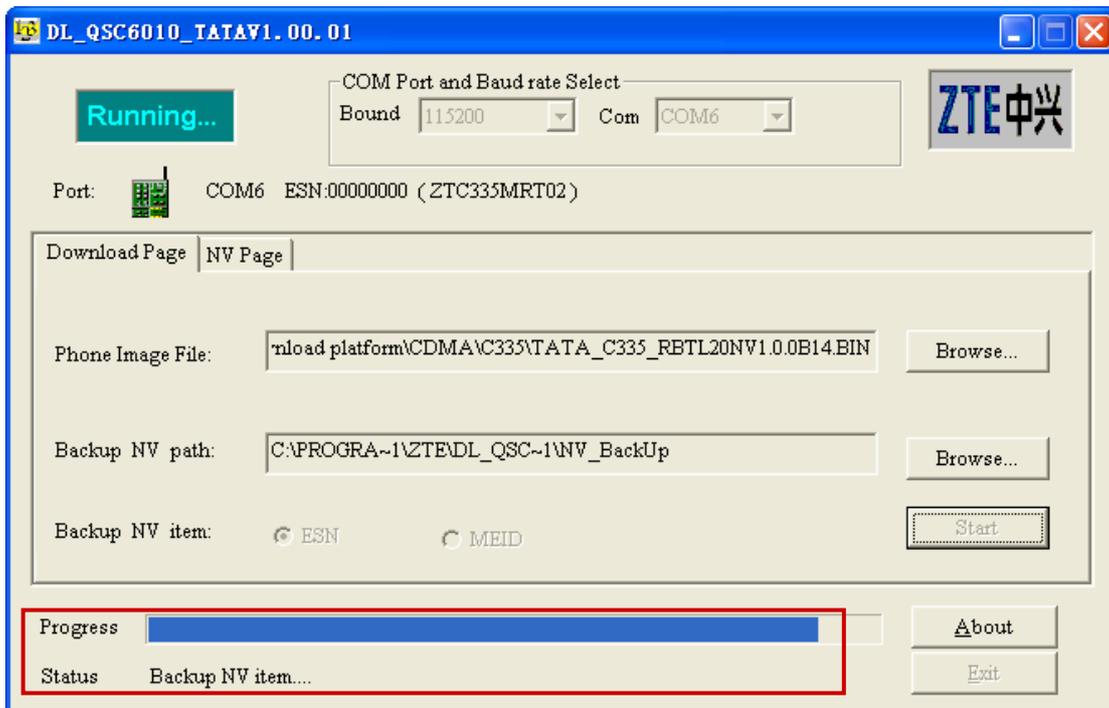
- ◆ Select '*.bin file type' →select right version →click 'Open'



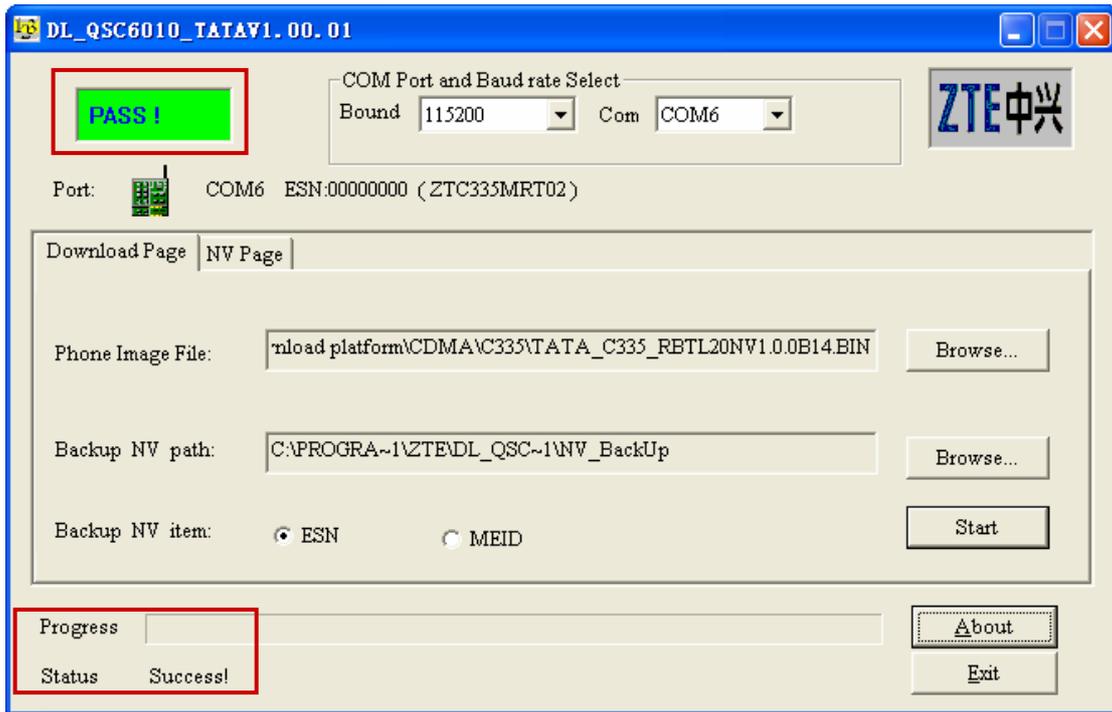
- ◆ Click 'Start' and begin to download



- ◆ Downloading

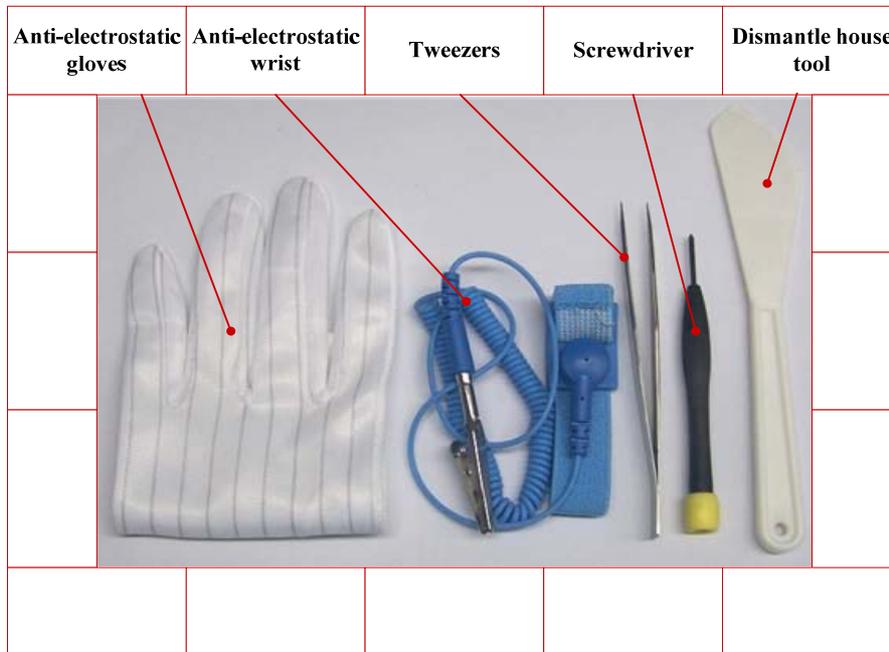


- ◆ Download successfully



2.3 Disassembly Flow

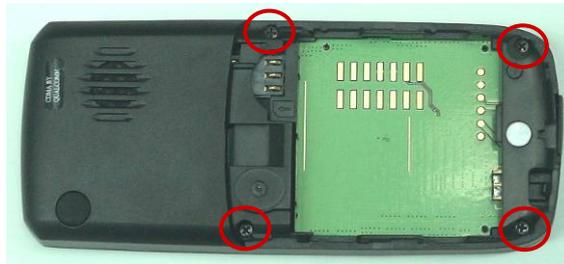
- ◆ Tools



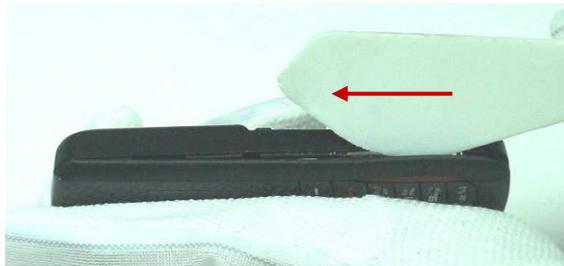
- ◆ Take out the battery



- ◆ Take out the four screws with screwdriver



- ◆ Separate the front/back covers with dismantle house tool



- ◆ Pay attention to the locks

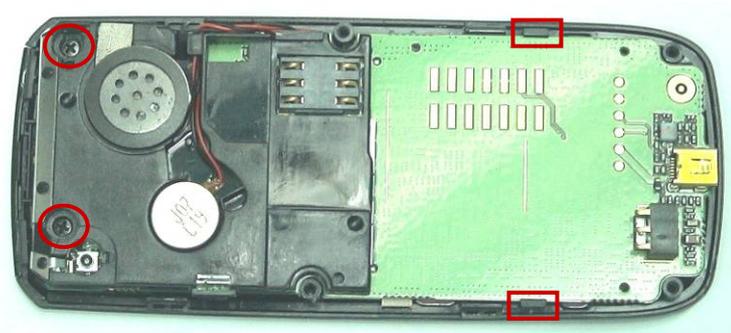




- ◆ The separated front/back covers (make sure MIC is well connected with the point)



- ◆ Take out the two screws with screwdriver
- ◆ When separate the main board and the front cover, loosen the two locks



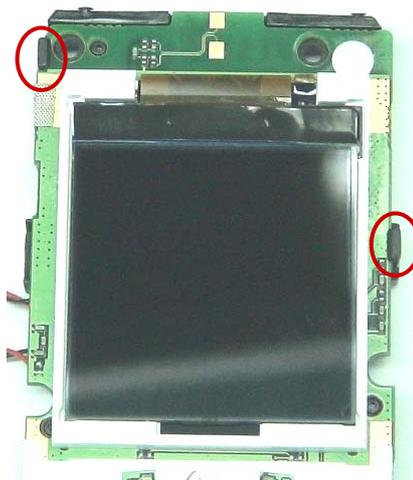
- ◆ The separated front cover and main board (make sure the receiver is well connected with the point)



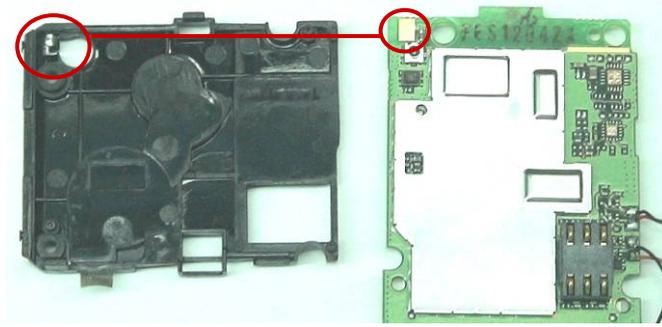
- ◆ Pay attention to the right installation positions of motor/speaker



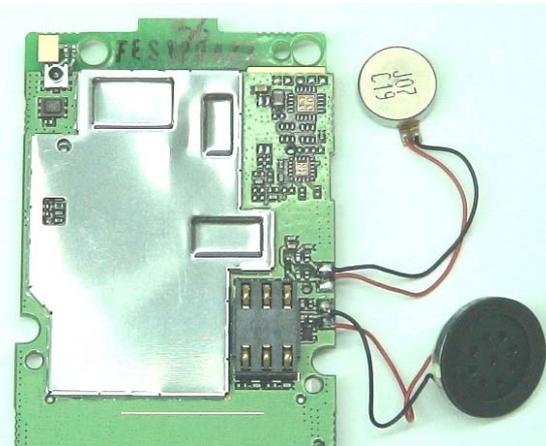
- ◆ When separate the main board and the inner antenna, loosen the two locks first



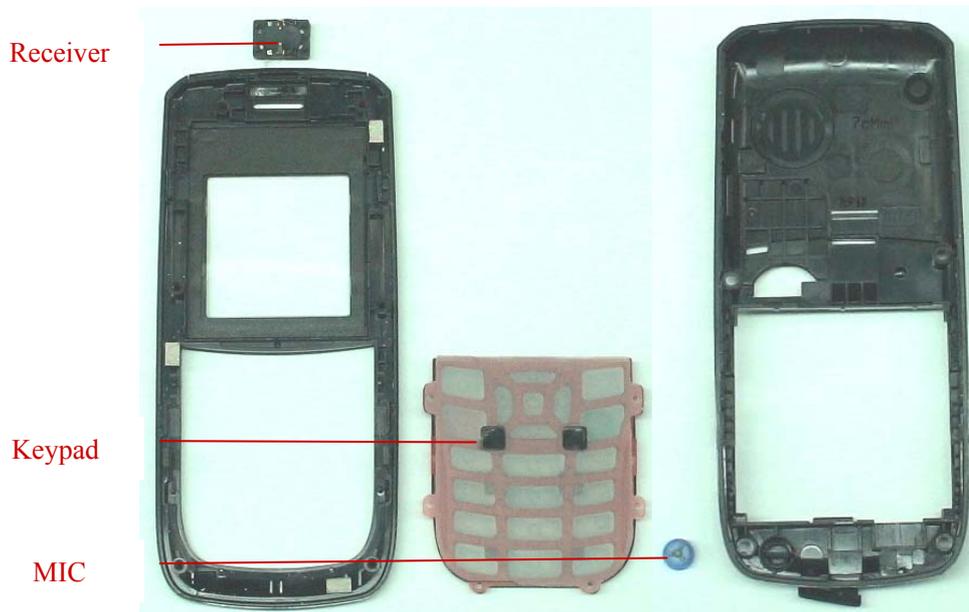
- ◆ The separated inner antenna/main board (make sure the antenna connector is well connected with point)



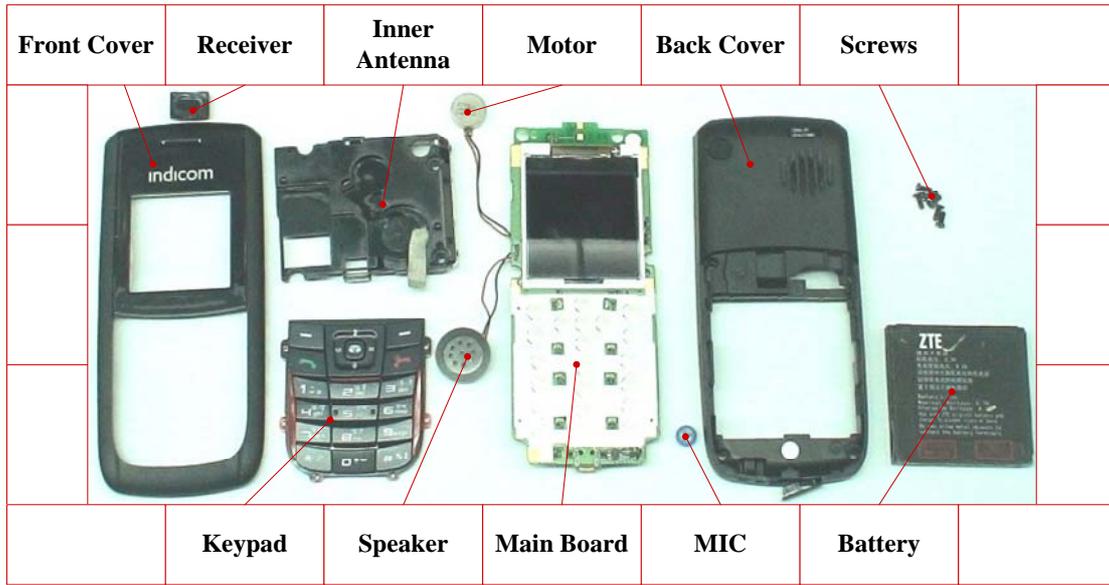
- ◆ Pay attention to the right installation positions of motor/speaker



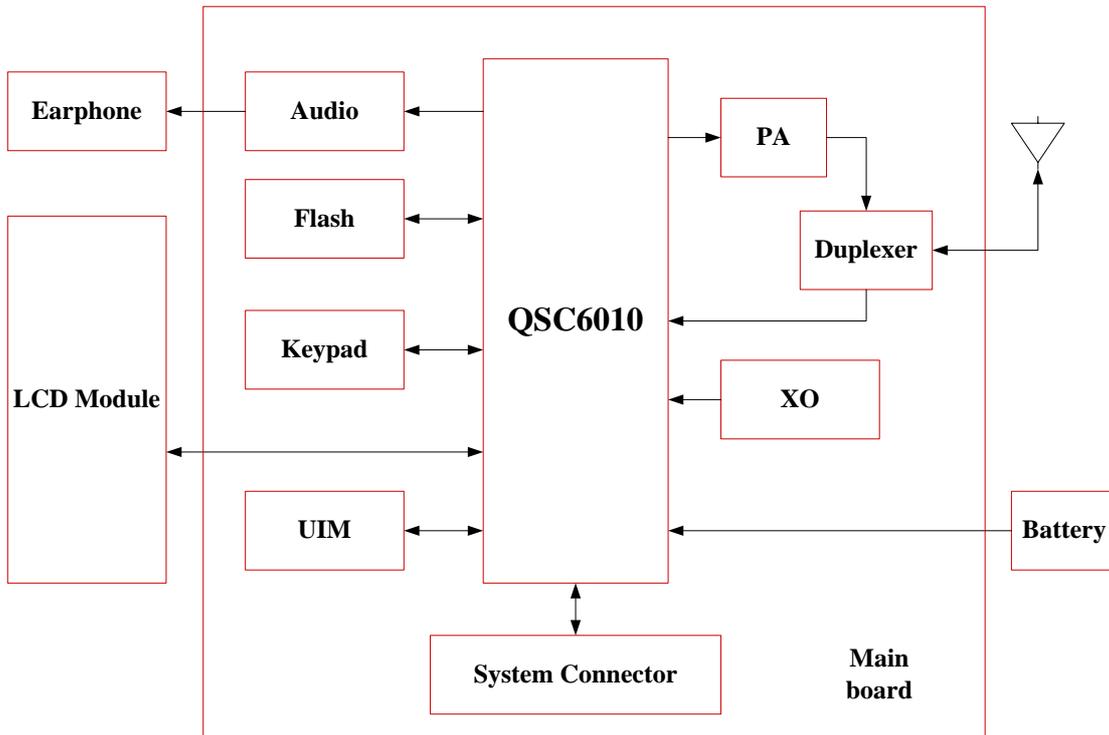
- ◆ The components of separated front/back covers



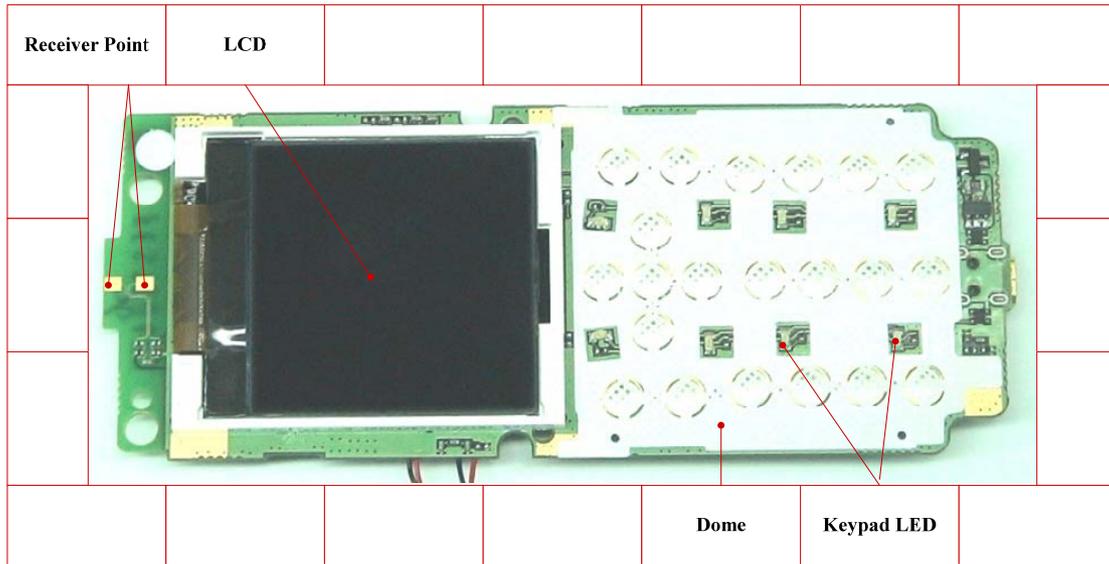
2.4 Composing



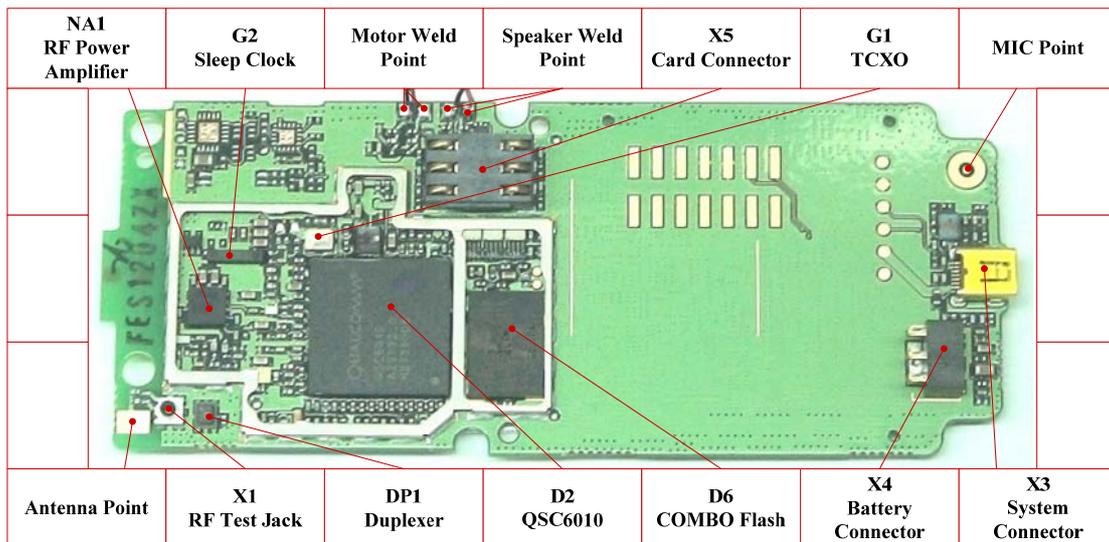
2.5 Principle Block Diagram



2.6 Basic Device Distributing



Top Device Distributing



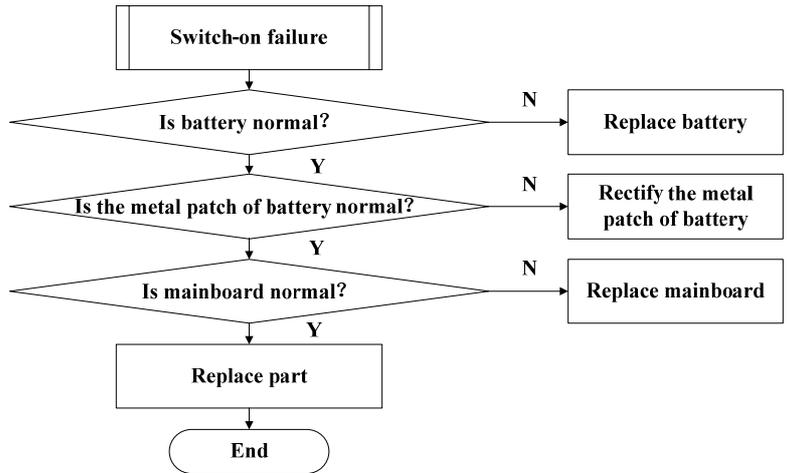
Bottom Device Distributing

3. Basic Flow Chart of Common Troubleshooting (Level 1)

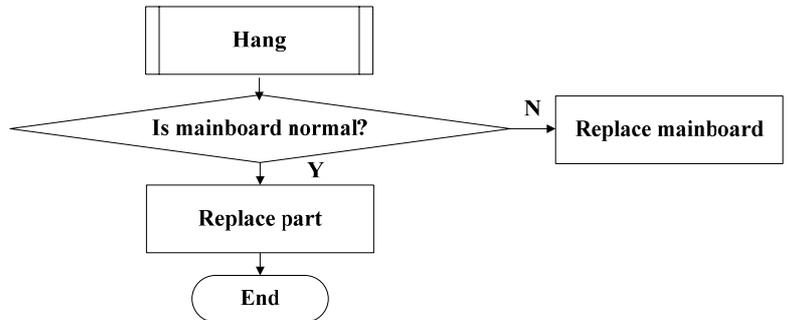
3.1 Structure Failure

For the structure failure, please make sure the corresponding replacement (refer to disassembly flow).

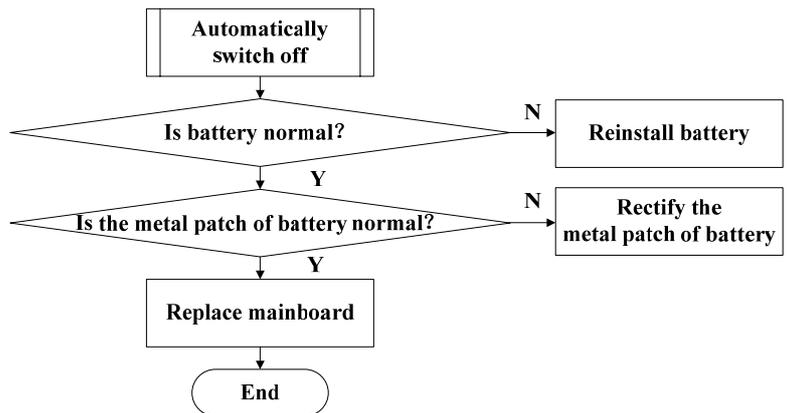
3.2 Switch-on Failure



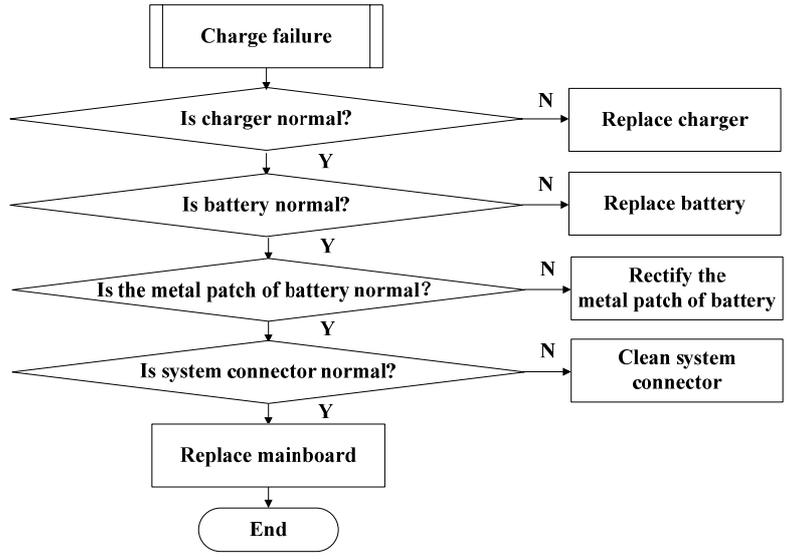
3.3 Hang



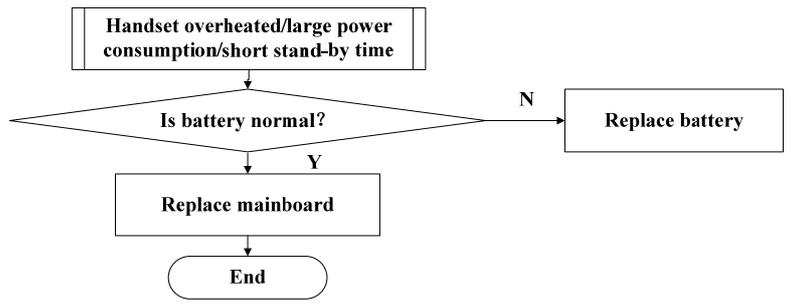
3.4 Automatically Switch off



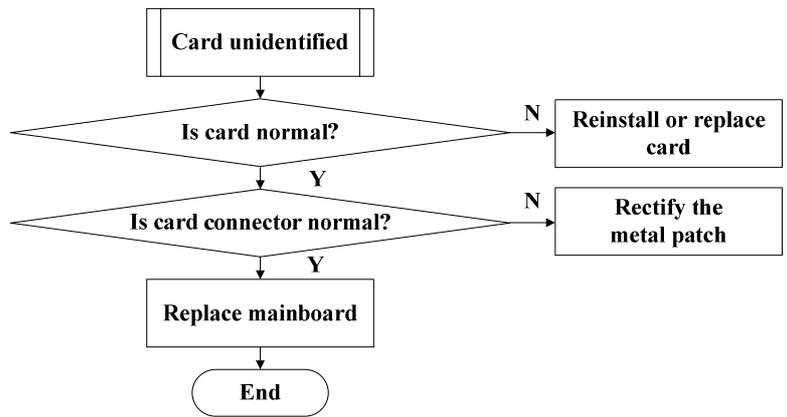
3.5 Charge Failure



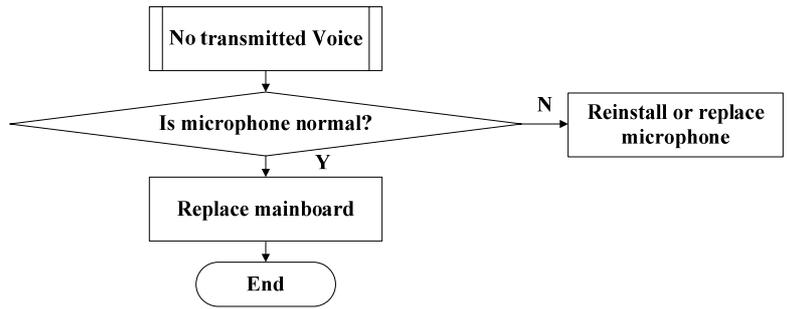
3.6 Handset Overheated/Large Power Consumption/Short Stand-by Time



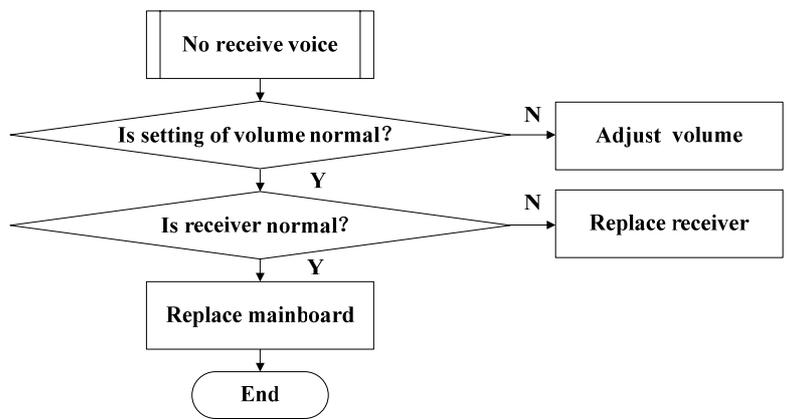
3.7 Card Unidentified



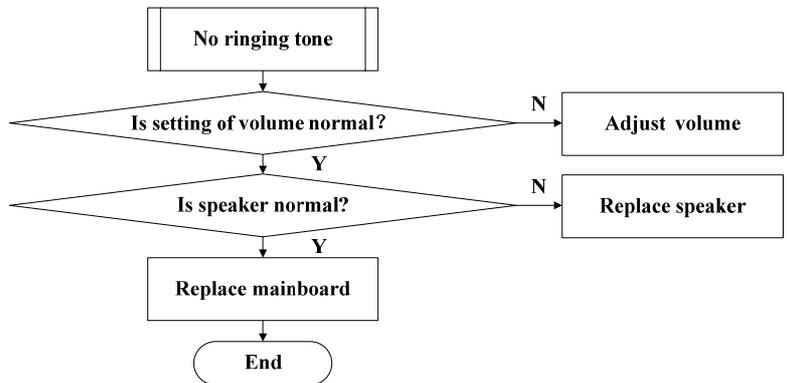
3.8 No Transmitted Voice



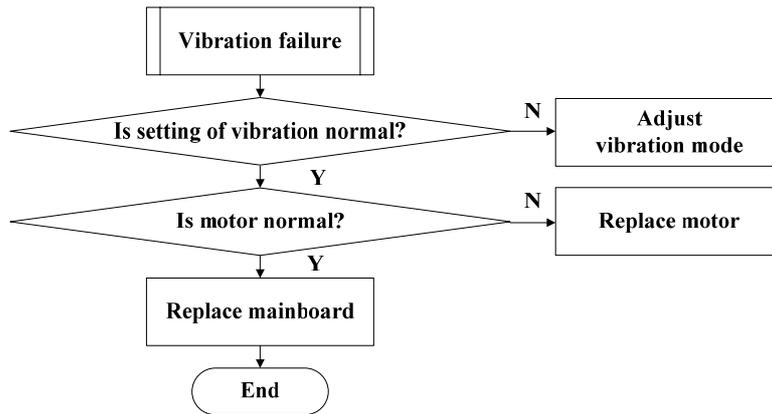
3.9 No Receive Voice



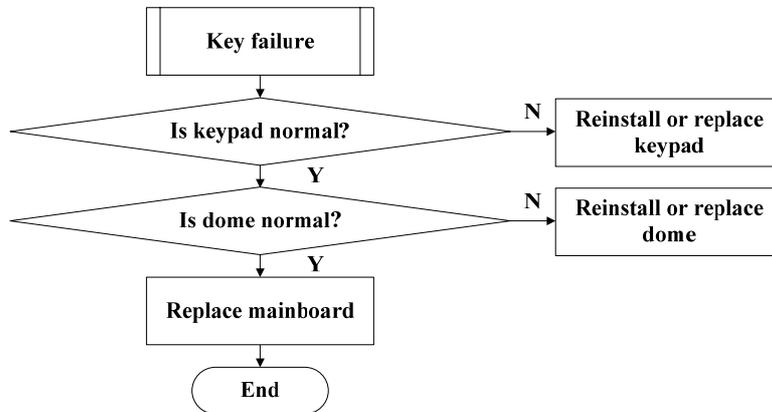
3.10 No Ringing Tone



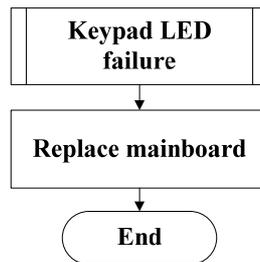
3. 11 Vibration Failure



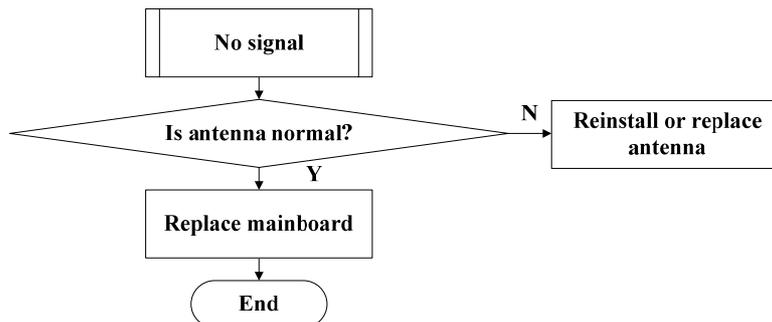
3. 12 Key Failure



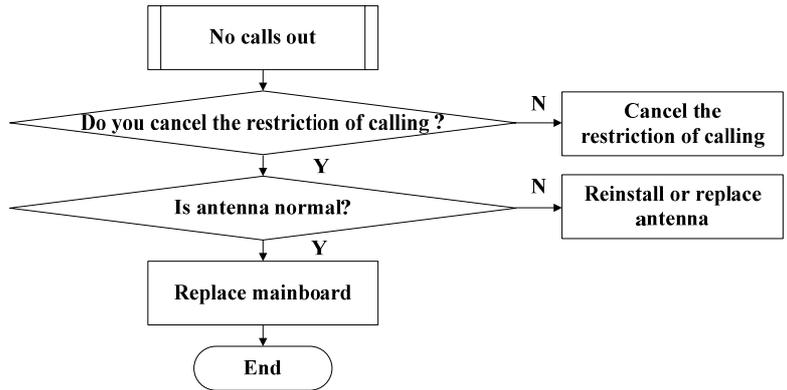
3. 13 Keypad LED Failure



3. 14 No Signal



3. 15 No Calls Out



4. Complete Installation BOM

ZTE C335 CDMA 1X Digital Mobile Phone Complete Installation BOM (India TATA)		
NO.	Material Code	Material Name
1	055402100013	C330 DOME
2	050603100064	C300 Inner antenna
3	126755350003	ZTE C330 MB
4	035030100186	LCD
5	035070100022	Motor
6	035040100057	Speaker

OMIT (Note: The primary elements position diagrams are given. If all the complete installation BOM are needed, please make an application to our document base.)