

Technical Document

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Services Manual (Level 1)

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ZTE CORPORATION

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1. Product Summarize

1.1 Standard Configuration

No.	Part Name	Qty
1	Phone Set	1
2	Antenna	1
3	Handle	1
4	Phone Line	1
5	Charger Adapter	1
6	AC/DC Charger Line	1
7	Ni-MH Battery	1
8	Serial Port Data Cable	1
9	USB Data Cable	1

1.2 Specification

- ◆ Frequency: 1.9GHz
- ◆ Dimension (high*width*ply): 214mm*176mm*76mm
- ◆ Weight: 900g (Standard Battery Included)
- ◆ Talk Time: Over 2 hrs
- ◆ Standby Time: Over 72 hrs
- ◆ Charging Time: Short than 5 hrs

1.3 Feature

- ◆ Support emergency call, originating call's number display, hand-free call
- ◆ Ringing tone/MIC mute
- ◆ Missed calls/Incoming calls/Outgoing calls record
- ◆ Support call Forwarding, call Waiting, three-way call (subject to network)

- ◆ Regulable Ringing/Key-press/Receiver Volume
- ◆ Alarm clock
- ◆ Capacity of inbox and outbox is 20 for each

1.4 Inner Type Number

Inner Type	Outer Type
WP900A	WP900

2. Inner Structures and Elements

2.1 Function Test

Version Check and ESN Check

- ◆ Input “*983*837#” to check the latest version
- ◆ Input “*#06#” to check if the ESN is identical with that on handset mark.

Function Test

- ◆ In status of standby, input “*983*0#” to start the LCD and keypad test
- ◆ FWP begin the LCD test automatically, and it displays black — black-and-white grid — white-and-black grid in turn.
- ◆ Later it display “test keypad”, testing each key except HANDFREE key.
- ◆ After keypad test, it begins “Audio Loop Test”. Press HANDFREE key firstly, ensure that the hand free volume is normal and have no cacophony. Speak to the phone, the voice would be echoed. Pick up the handle and speak to the phone, the voice would be echoed. Press MENU to exit.

2.2 Software Download

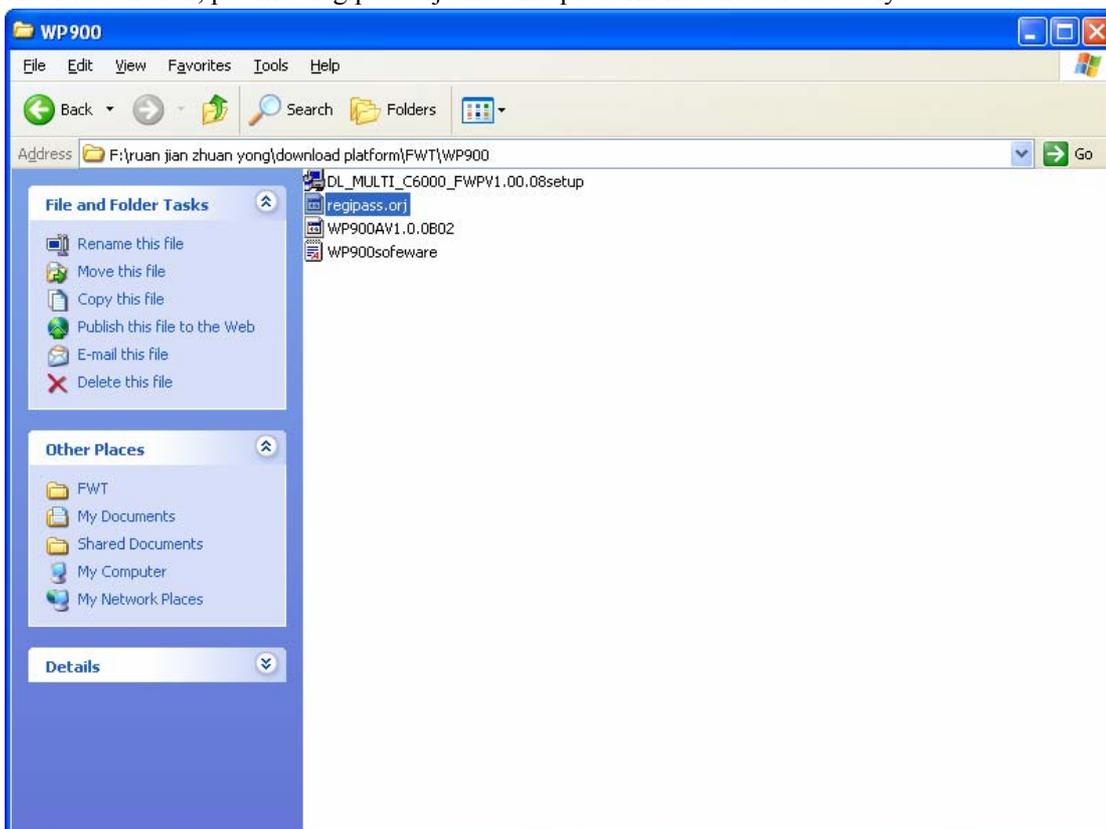
- ◆ Software Download Instruction
Every FWP sent to repair must be updated to the latest version.
- ◆ Notice
FWP should be switched on normally.
Battery should have abundant power while doing software download. Ensure that the charger adapter and FWP connect normally.
- ◆ Download Data Cable
WP806A FWP serial port convert data cable (P/N: 052621600102)



- ◆ Install Download Platform: DL_MULTI_C6000_FWPV1.00.08 platform

DL_MULTI_C6000_FWPV1.00.08setup

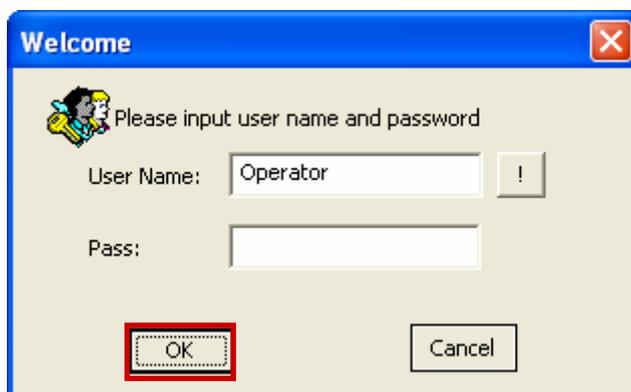
- ◆ After installation, put file “regipass.orj” into this platform installation directory:



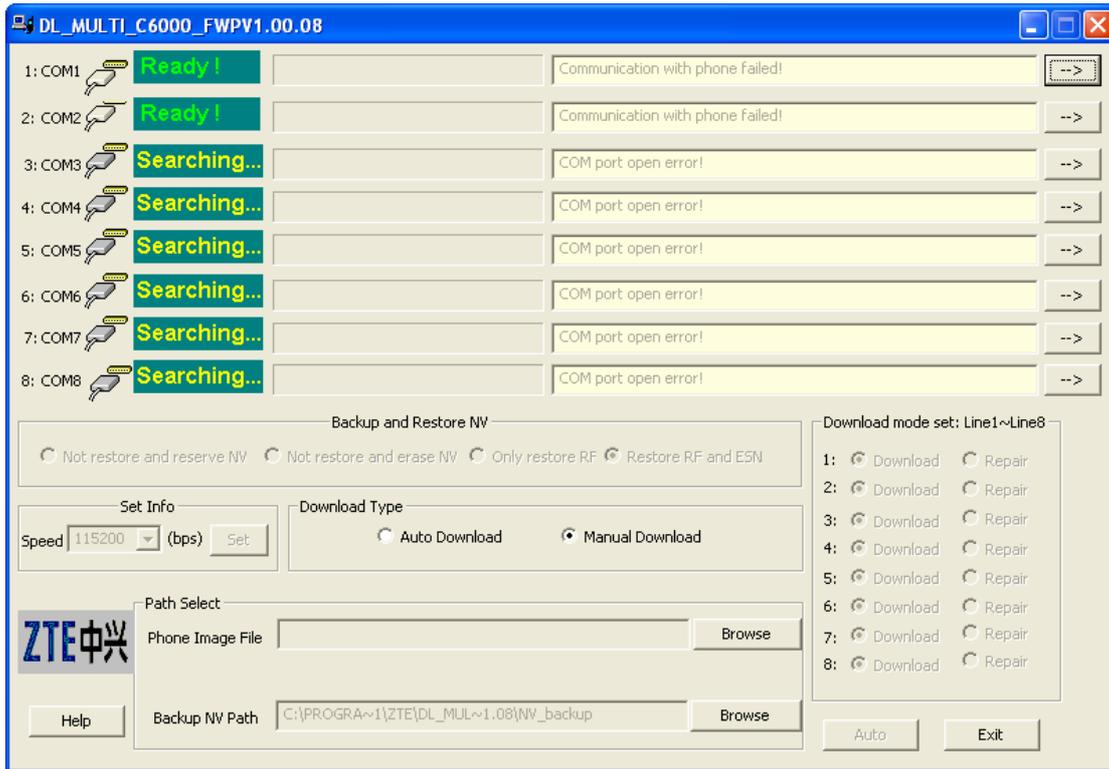
- ◆ Double-click the icon:

DL_MULTI_C6000_FWPV1.00.08.exe

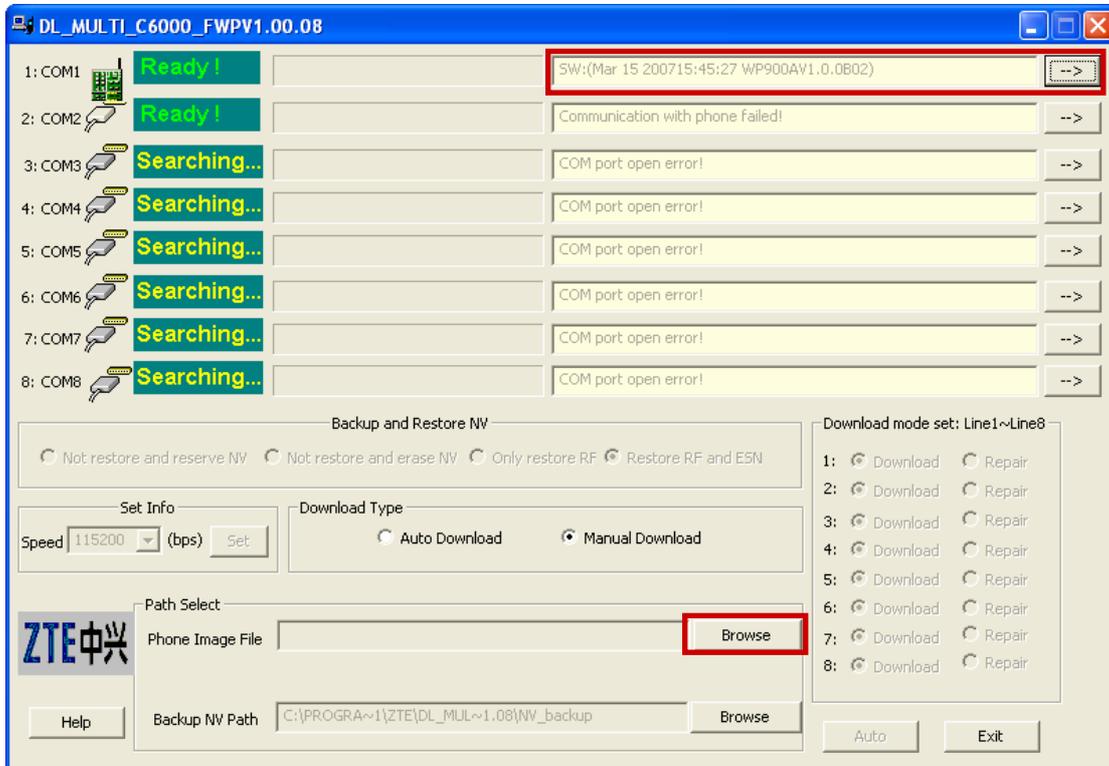
- ◆ Click “OK” on this interface:



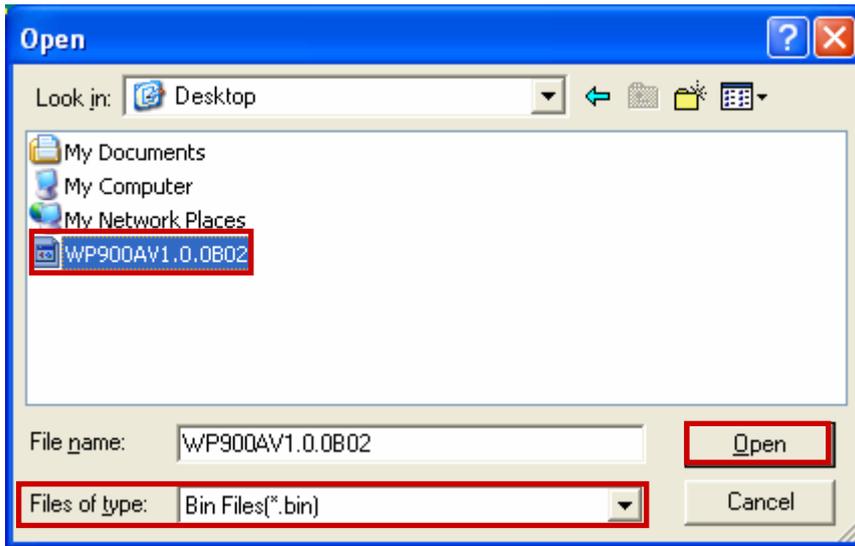
◆ Main Interface.



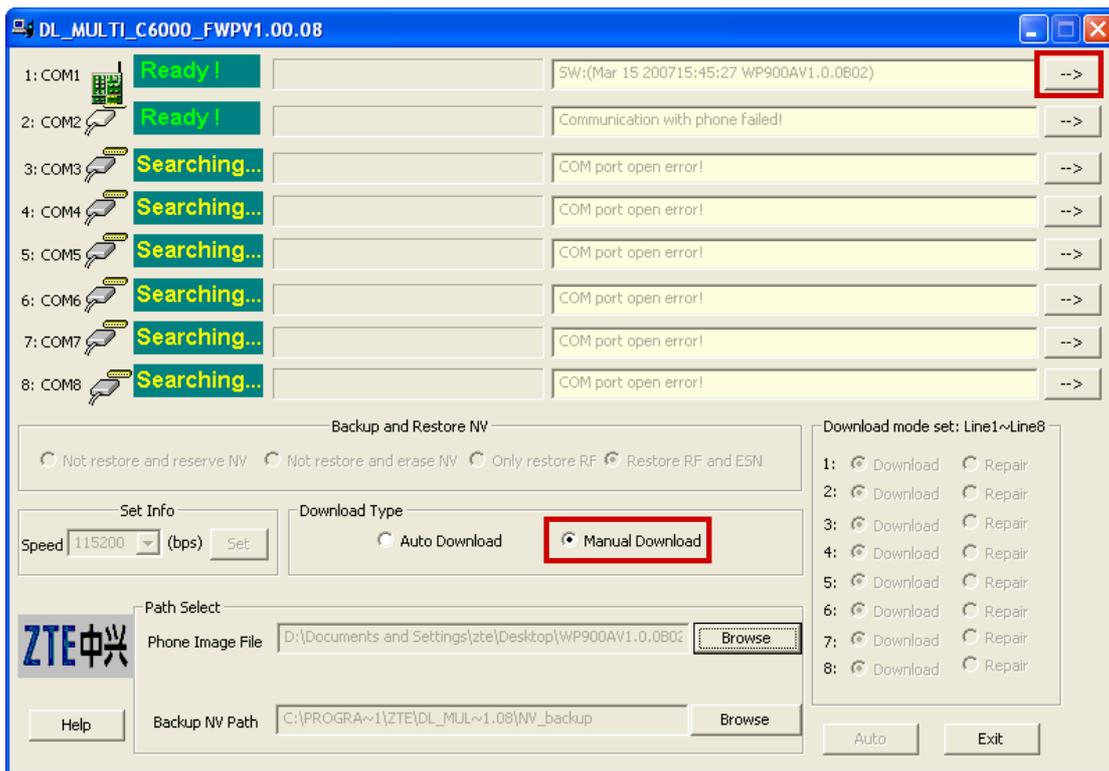
- ◆ On connecting FWP by data cable, the software version information of FWP would be read out automatically.
- ◆ Click “Browse” beside “Phone Image Files”:



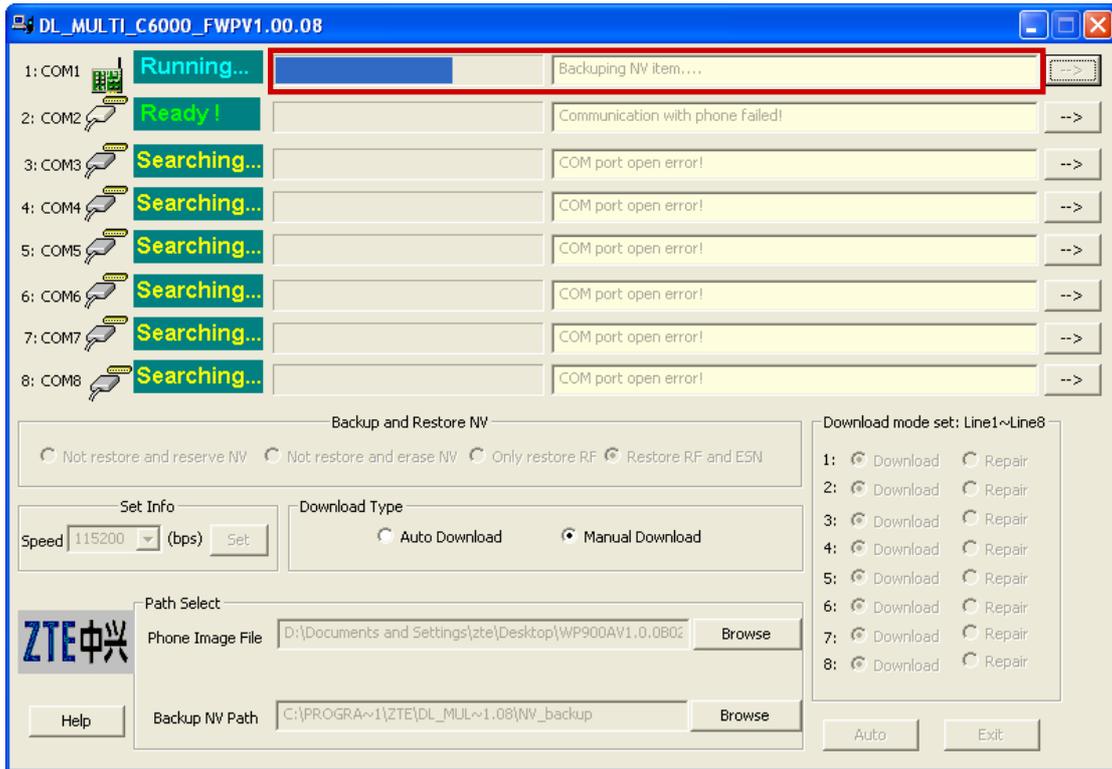
- ◆ Select *.bin File Type→ correct phone image file→ click open.



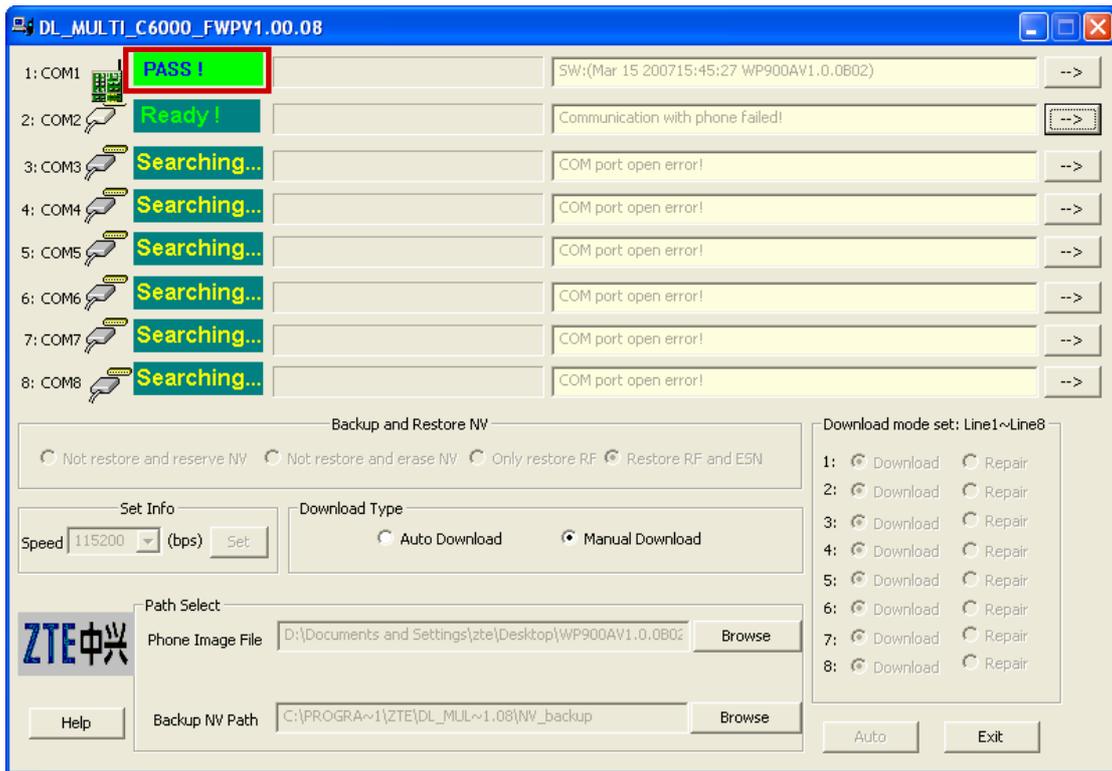
- ◆ Select “Manual Download”.
- ◆ Click the start button , begin to download.



◆ Downloading



◆ Download Completely.



2.3 Disassembly Flow



- Tools needed
(from left to right):
- Anti-electrostatic glove
 - Anti-electrostatic wrist
 - Screwdriver
 - Tweezers
 - Disassembly House Tool

- ◆ Take out the antenna.



- ◆ Use forceps to take out the antenna loop.



- ◆ Pay attention to the position of seven screws.



- ◆ Take out the battery cover and card cover.



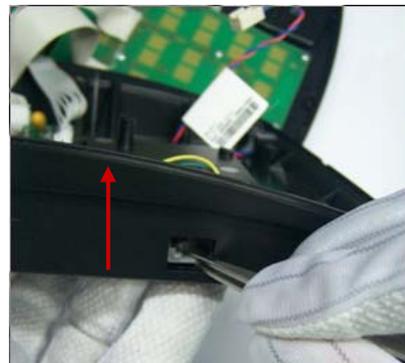
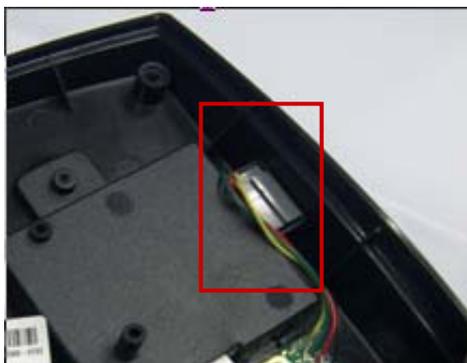
- ◆ Pay attention to the position of battery connector. Use tweezers to take out battery connector.



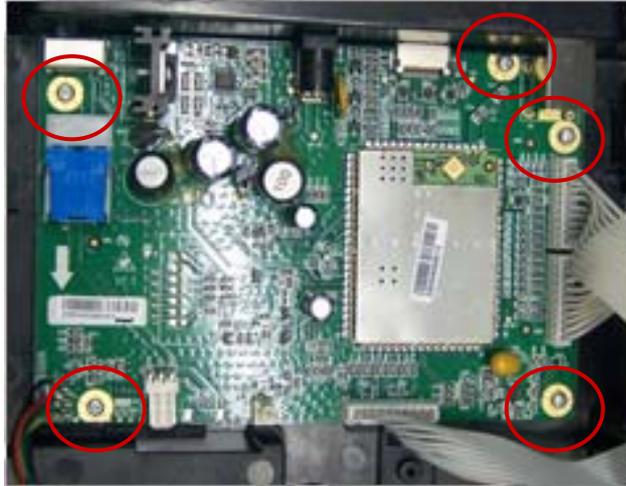
- ◆ Use tweezers to take out MIC connector.



- ◆ Take out the cable connector.



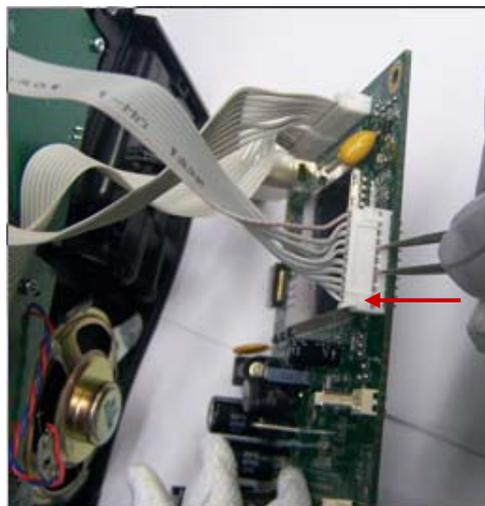
- ◆ Position of the 5 fixed-up screws on main board.



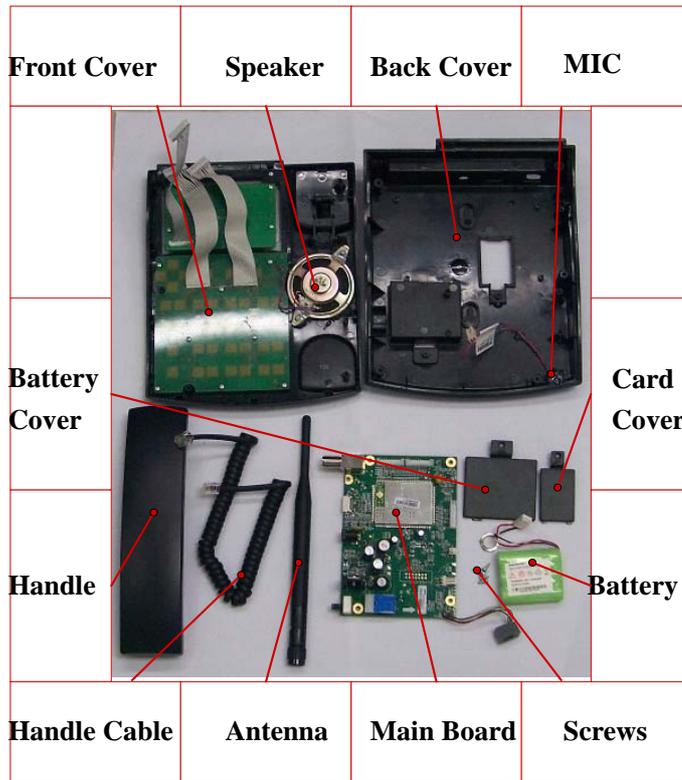
- ◆ Main board and front cover after disassembling. Pay attention to the correct installation of cables.



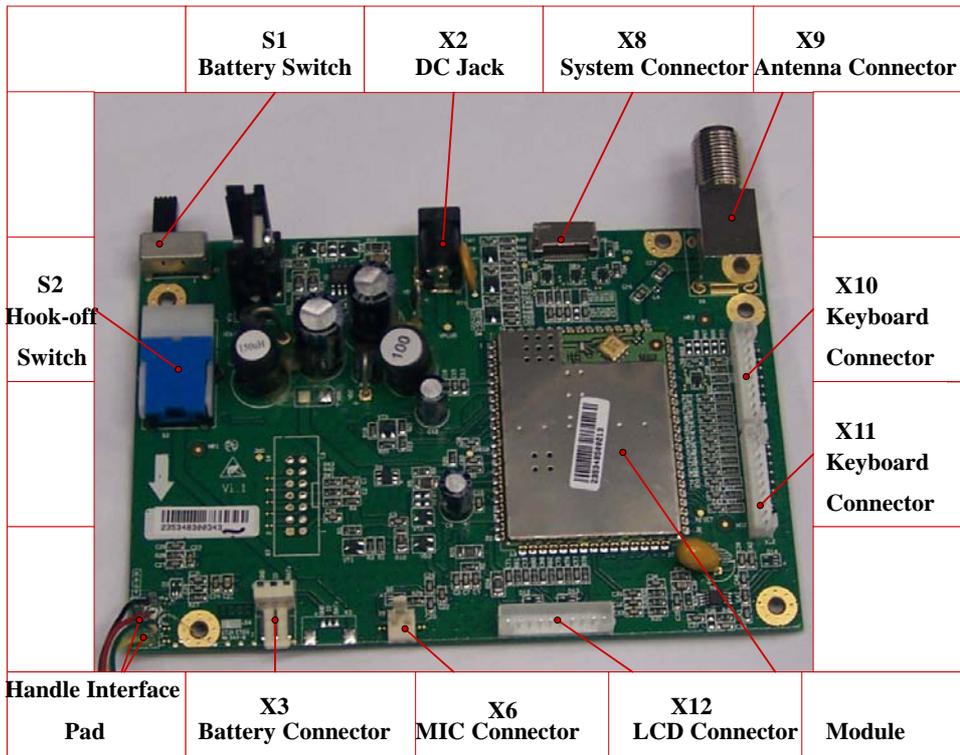
- ◆ Use tweezers to separate the cable connector.



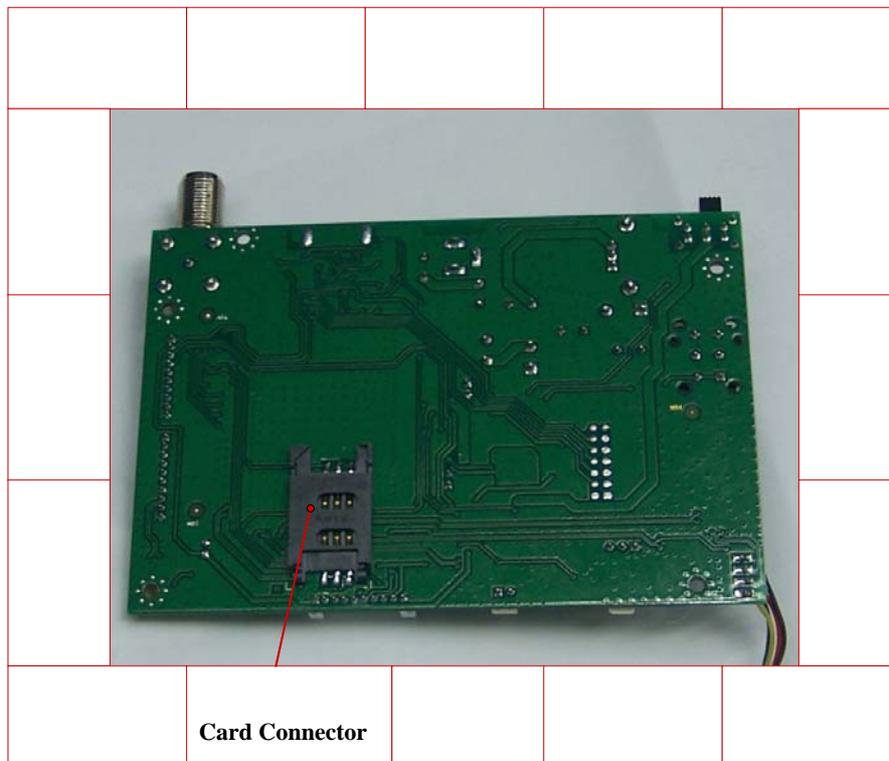
2.4 Composing



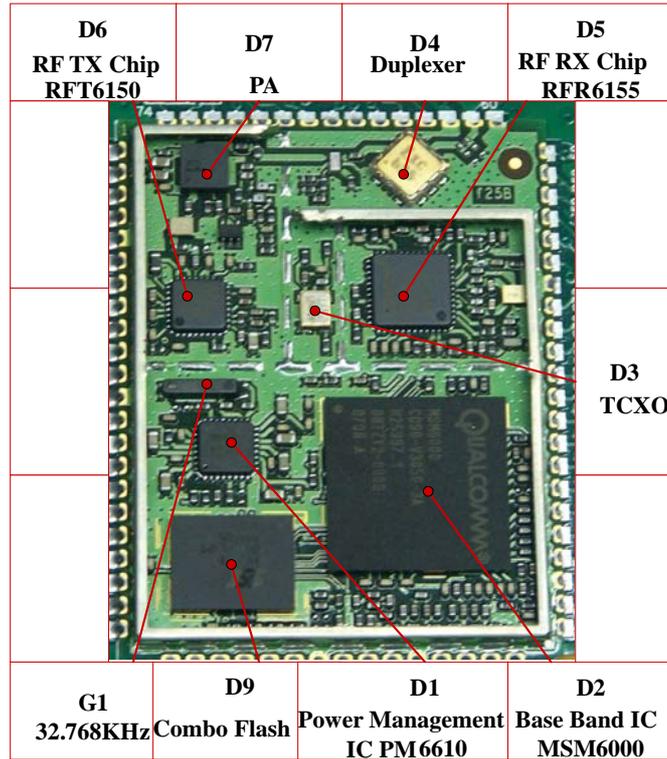
2.5 Devices Distributing



Devices distributing of top layer



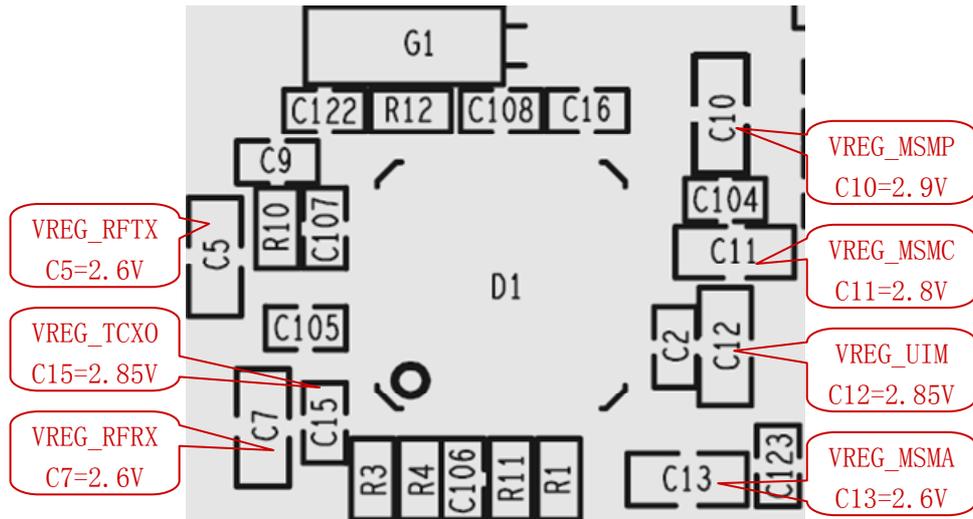
Devices distributing of bottom layer



Devices Distributing Of Module

2.6 Main Test Points

Name	Voltage	Test Point	Function
VREG_TCXO	2.85V	C92	Power supply for the TCXO of RF circuit
VREG_RFTX	2.85V	C100	Power supply for RF TX circuit
VREG_RFRX	2.6V	C95	Power supply for RF RX circuit
VREG_MSMP	2.85V	C112	Power supply for the periphery devices in system
VREG_MSMA	2.6V	C99	Power supply for the analog circuit of base band
VREG_MSMT	2.85V	C105	Power supply for the core of MSM6000
VREG_RUIM	2.85V	C103	Power supply for UIM card

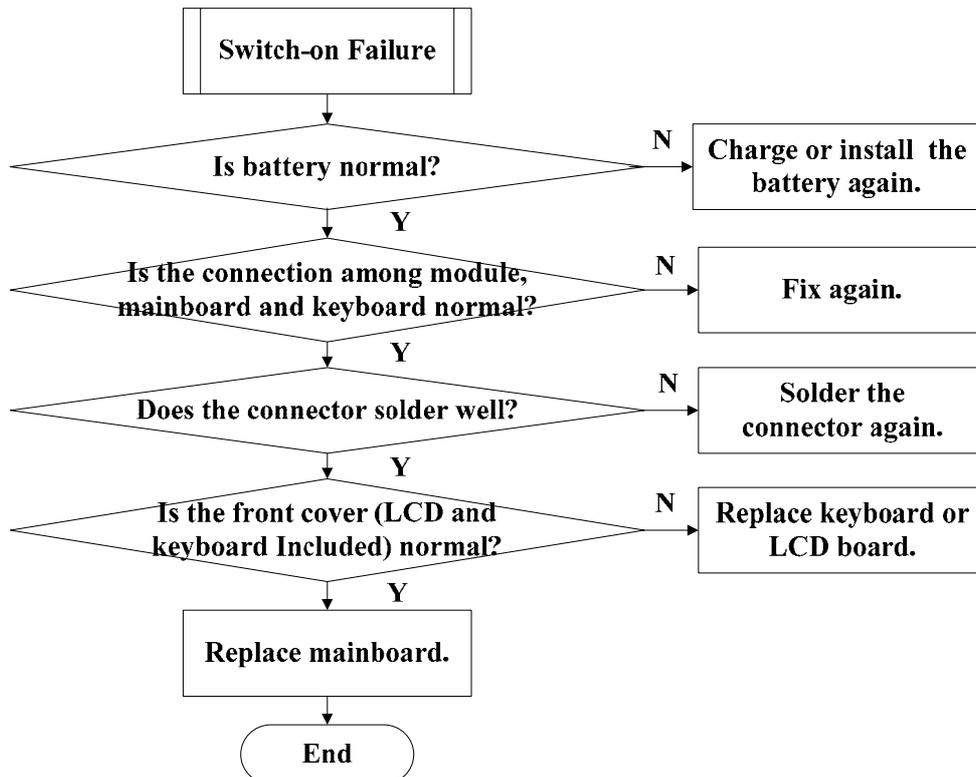


3. Basic Flow Chart of Familiar Troubleshooting (Level 1)

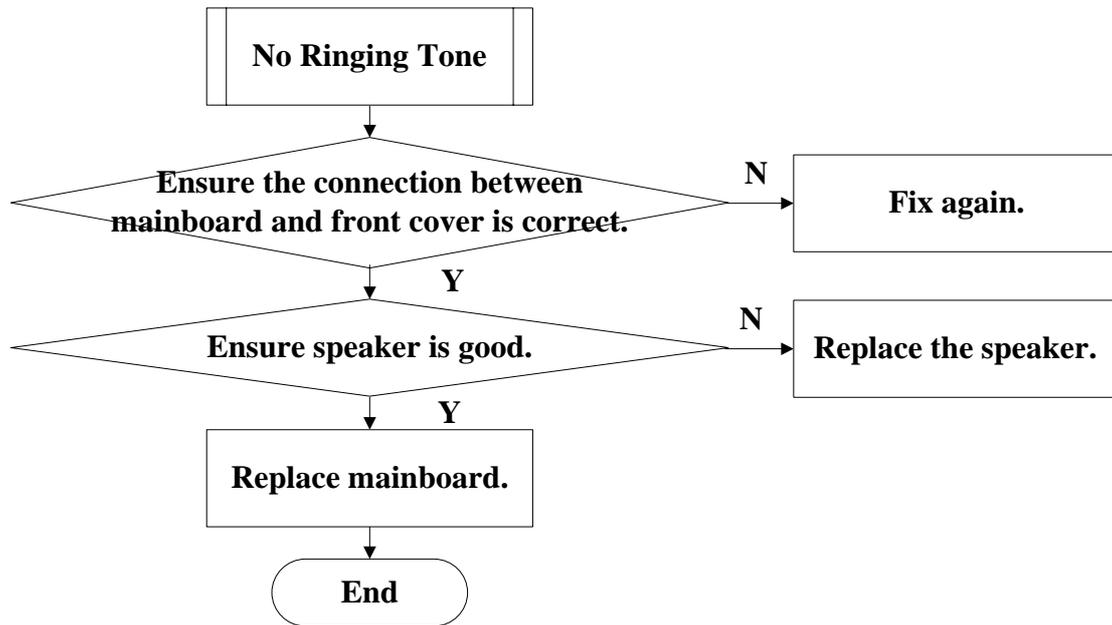
3.1 Structures Failure

To the structure failure, please make the corresponding replace, taking reference to disassembling flow.

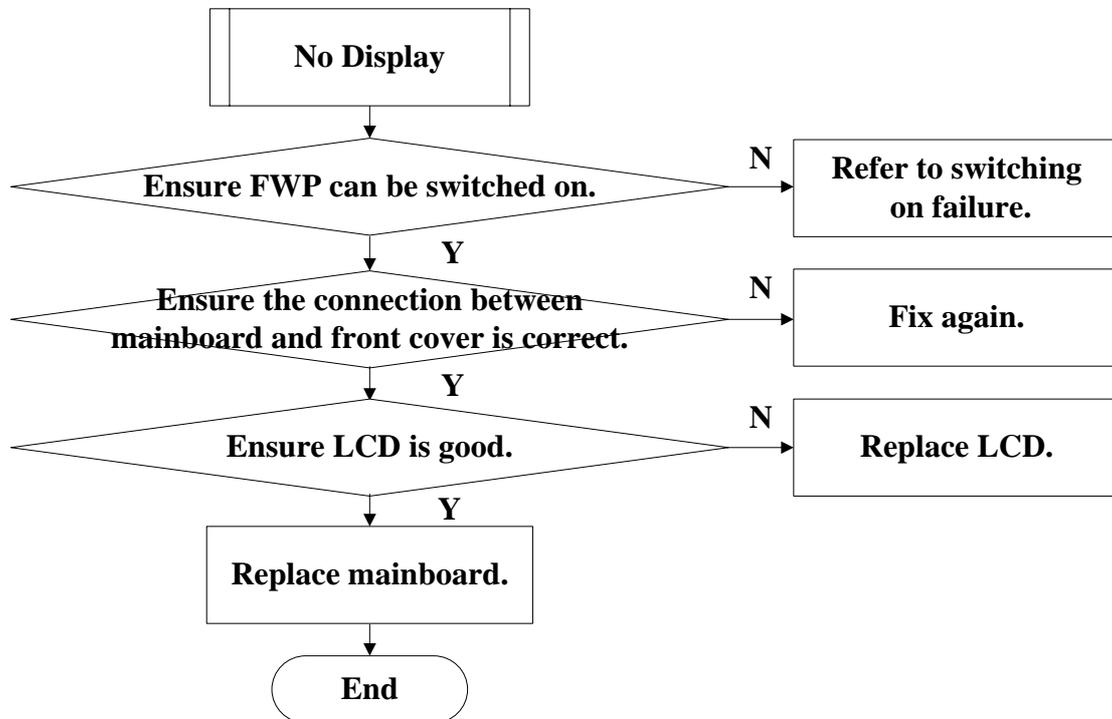
3.2 Switch-on Failure



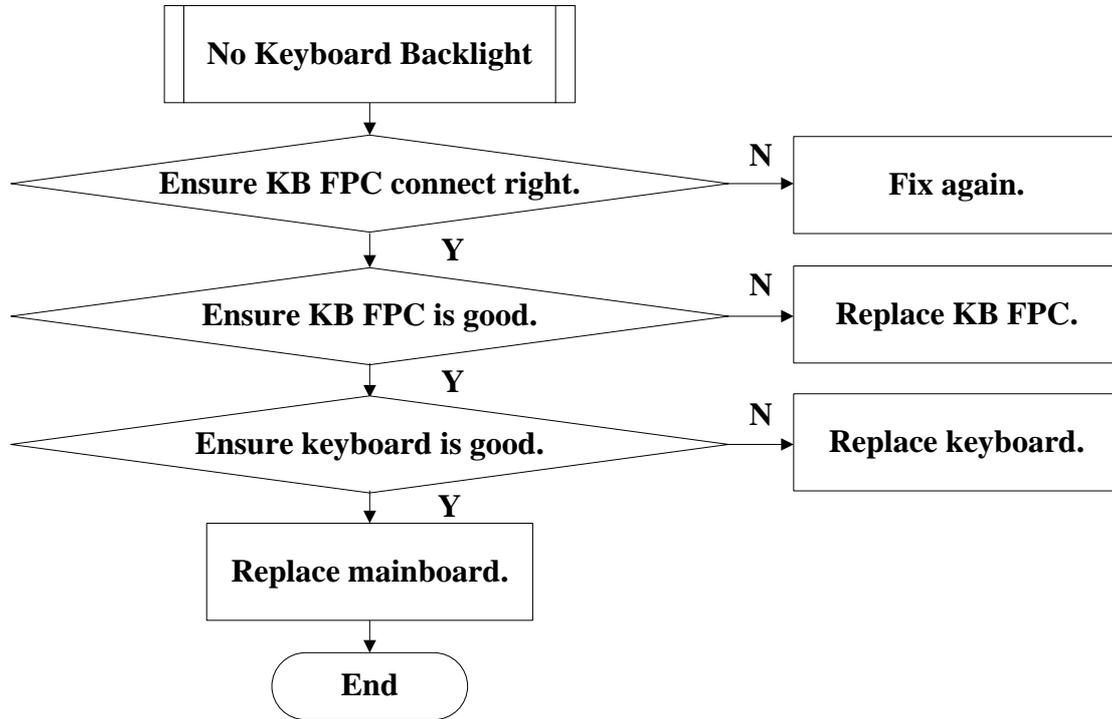
3.3 No Ringing Tone



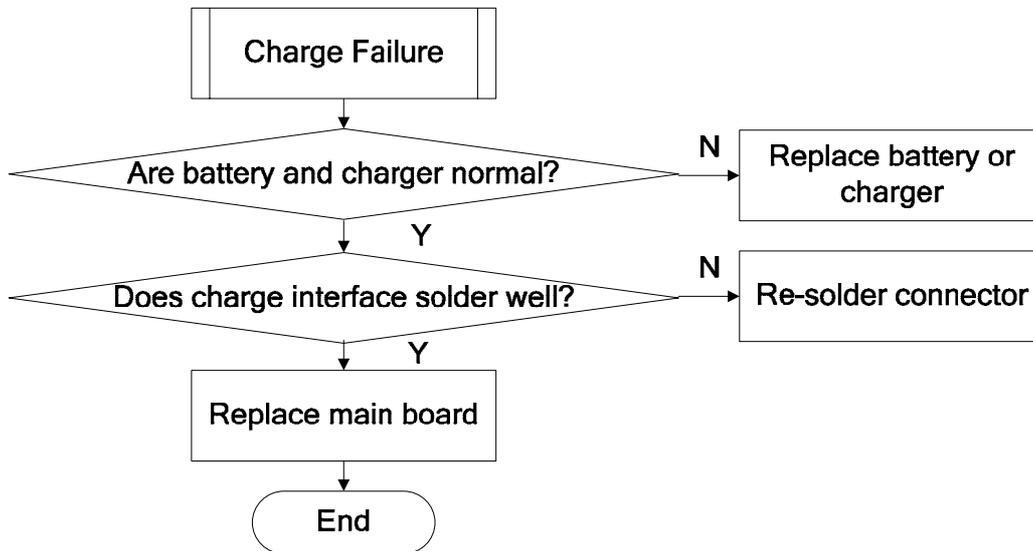
3.4 No Display



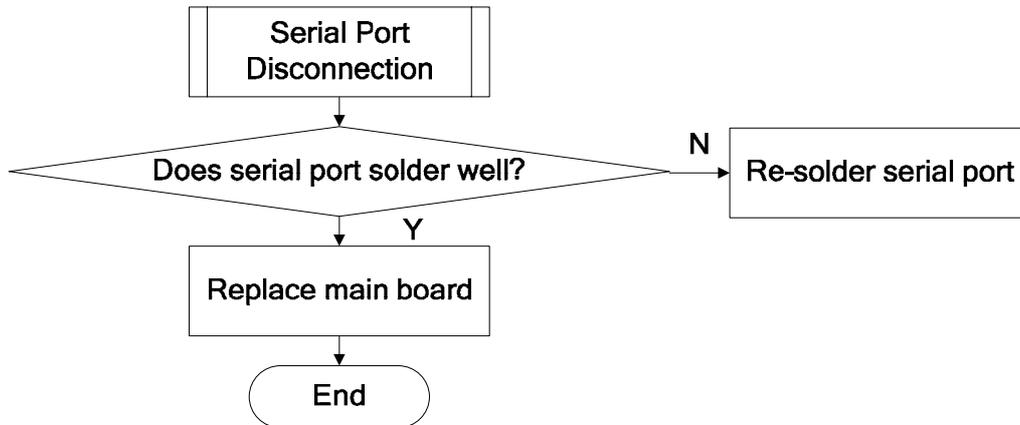
3.5 No Keyboard Backlight



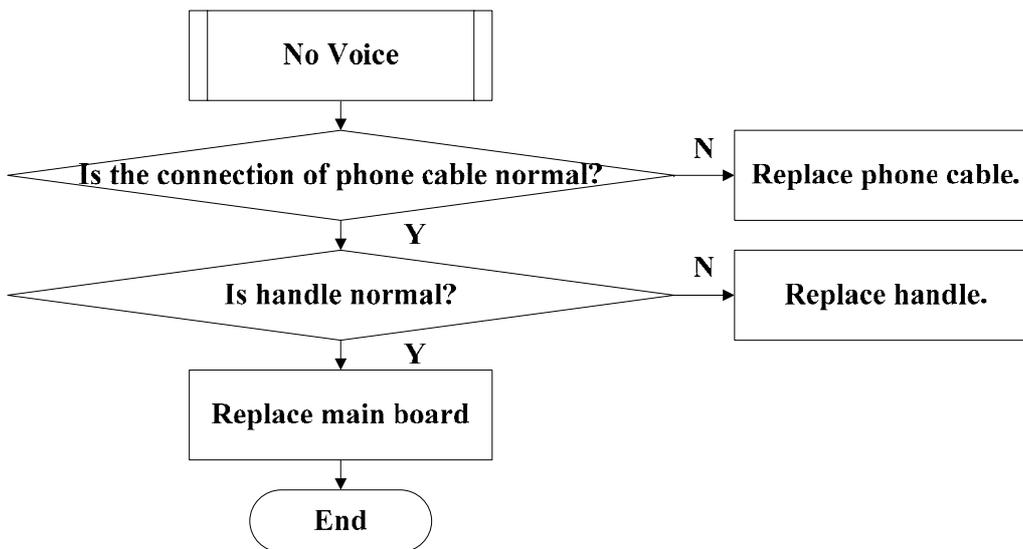
3.6 Charge Failure



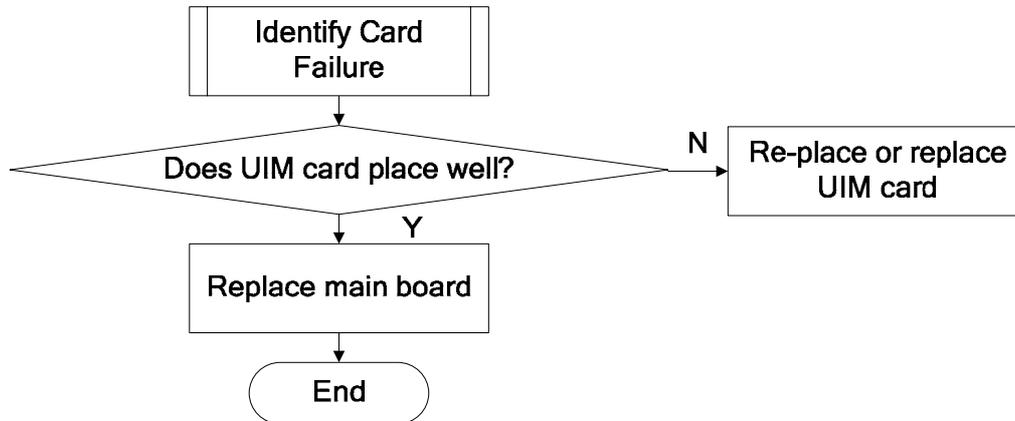
3.7 Serial Port Disconnection



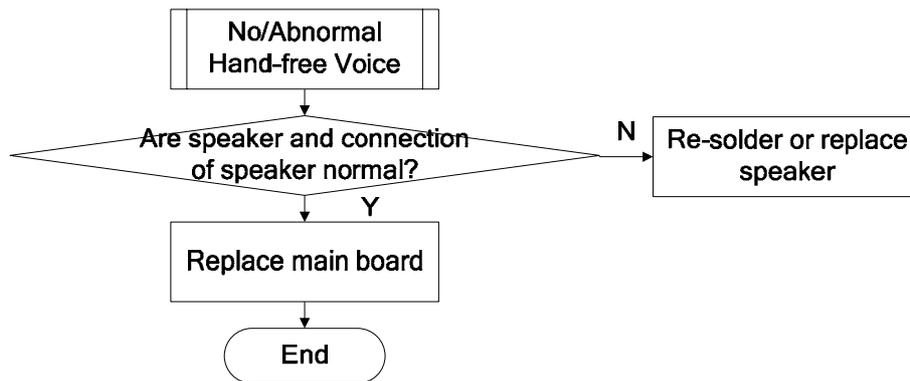
3.8 No Voice



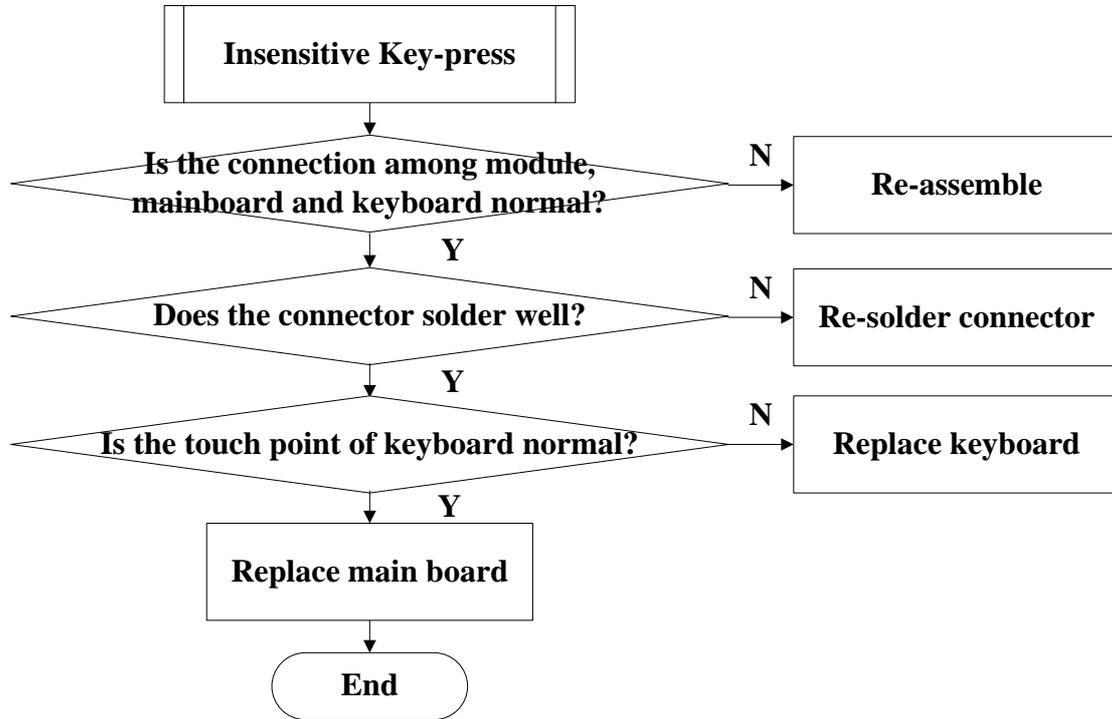
3.9 Identify Card Failure



3.10 No/Abnormal Hand-free Voice



3.11 Insensitive Key-press



4. Parts List

WP900(A) CDMA FWP Parts List (Portion)		
No.	P/N	Part Name
1	035040100027	Speaker
2	035040300010	MIC (VOIP)
3	035040400007	Receiver(VOIP)
4	052621800140	G-WIRE-002 Cable
5	128543250002	WP900(A)MB
6	128542150017	WP826BKB
7	128541760001	G-MIC-003 Cable Assembly
8	035030100119	WP806a LCM Module
9	055401001291	WP806A Receiver Front Cover(Black)
10	055401001292	WP806A Receiver Chassis(Black)
11	055401001316	WP826A Cover(Black)
12	055401001296	WP806A Scrolling Key(Black)
13	055401001300	WP806A Hand-free Key(Yellow)
14	055401001301	WP806A Numeric Key
15	055401001306	WP806A Function Key(Grey)
16	055401100029	WP826B Chassis(Black)
17	055401100030	WP826B Battery Cover(Black)

18	055401100031	WP826BSIM Lock Cover(Black)
19	050603400004	FWP 1200mAh Ni-MH Battery(Reliance customized)

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