Lenovo A536

Service Manual

LENOVO

Content

1. How to assemble and disassemble LENOVO A536 3
   1.1 The phone disassemble guide 3
   1.2 The phone assemble guide 9
2. Main board and Sub FPC layout introduction 10
   2.1 Main board top view 10
   2.2 Main board bottom view 11
3. Troubleshooting Procedure 12
   3.1 No boot 12
   3.2 Touch panel have no effect 13
   3.3 Charging anomaly 14
   3.4 Calling receiver sound has poor quality 16
   3.5 Speaker has no sound 17
   3.6 LCD has no display 18
   3.7 Phone crash 20
   3.8 Key has no effect 21
   3.9 Communication signal abnormality 22
   3.10 Calling receiver has no sound 23
   3.11 Microphone has no effect 24
   3.12 Display color distortion 25
   3.13 Speaker tone distortion 26
   3.14 Speaker tone smaller 27
   3.15 No charging 28
   3.16 Camera has no effect 29
   3.17 Auto shutdown 31
   3.18 SIM Card has not be detected 32

1. How to assemble and disassemble LENOVO A536

1.1 The phone disassemble guide

1) Remove battery cover

Remove battery cover from B cover at the buckle, shown as picture (1) and (2).

(1)

(2)

2) Remove screws

Remove the 7 screws as shown below. Use cross head driver to remove the screws.

Screw length to 1 & 2 & 3 & 4 positions are S1.6×L4.1×D2.6×T0.5
Screw length to 4 & 5 & 6 positions are M1.4X2.8

3) Remove B cover

Separate B cover from A cover at the buckle, then unclench B cover and A cover with a plectrum alongside the shell gap.

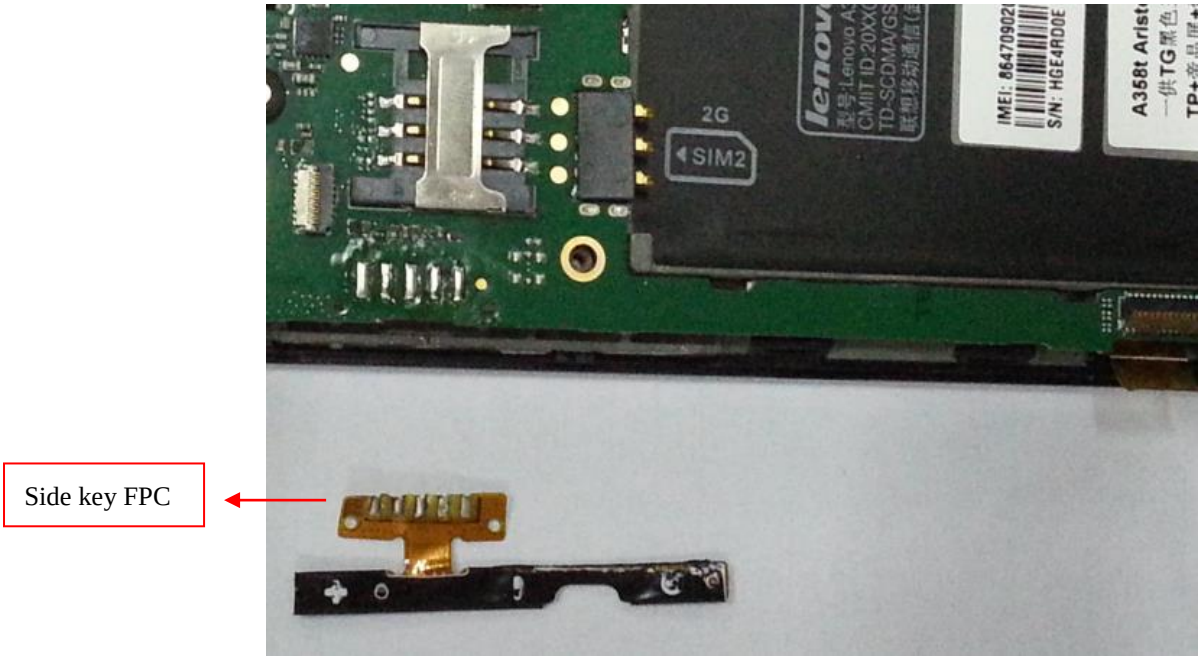
4) Disassemble PCBA

Open the FPC connector of TP, LCD and Camera, and extract all the FPCs.

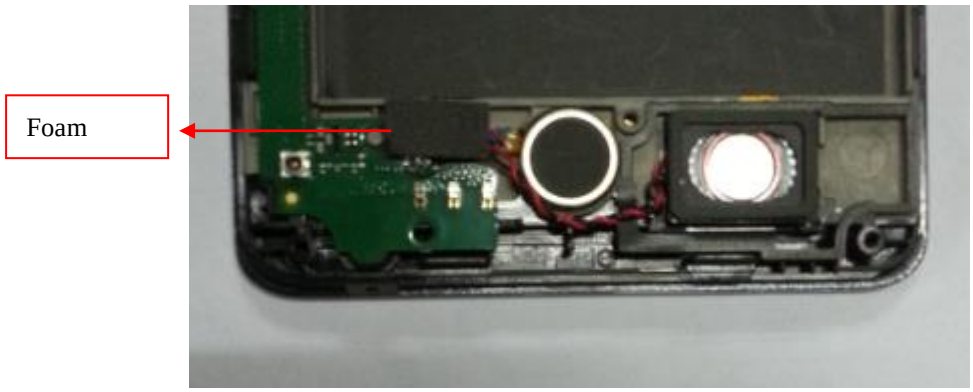
TP FPC is glued to the main board

Pull off side key FPC from A cover, and remove it from main board with a soldering iron.

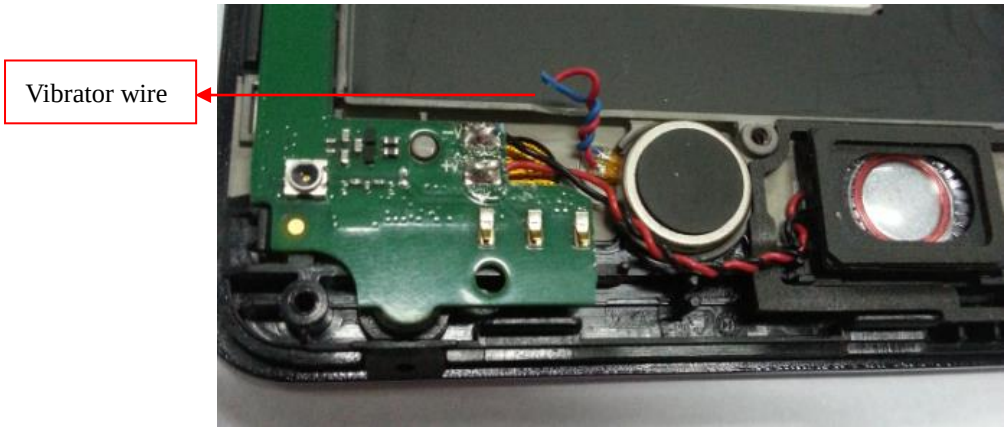
Side key FPC is glued to the A cover.



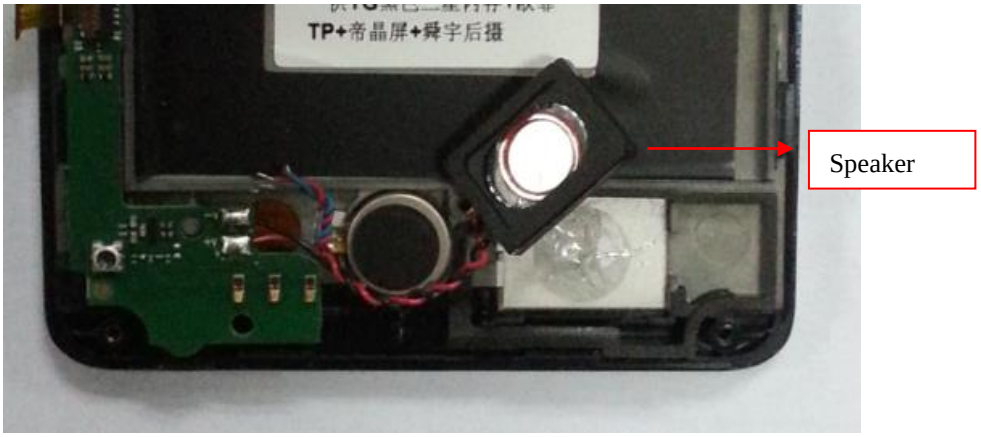
Remove the foam on the main board.



Remove the vibrator wire from the main board with a soldering iron.



Remove the speaker from A cover. The speaker is glued on the A cover, need to pry up with tweezers.
The speaker adhesive comes along with the speaker.

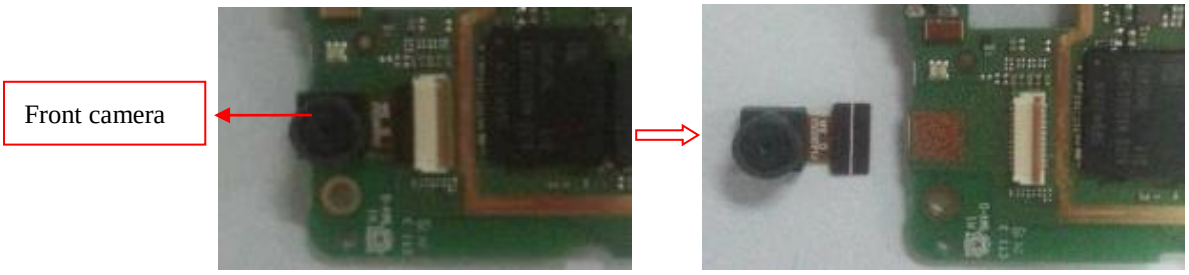


Remove the main board from A cover.

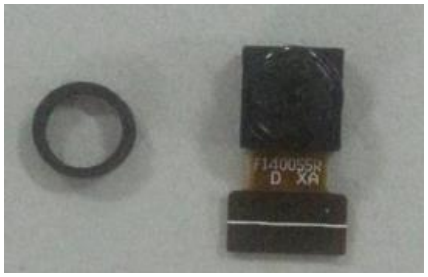
5) Remove front camera and MIC rubber

Open the front camera FPC connector and extract the FPC.

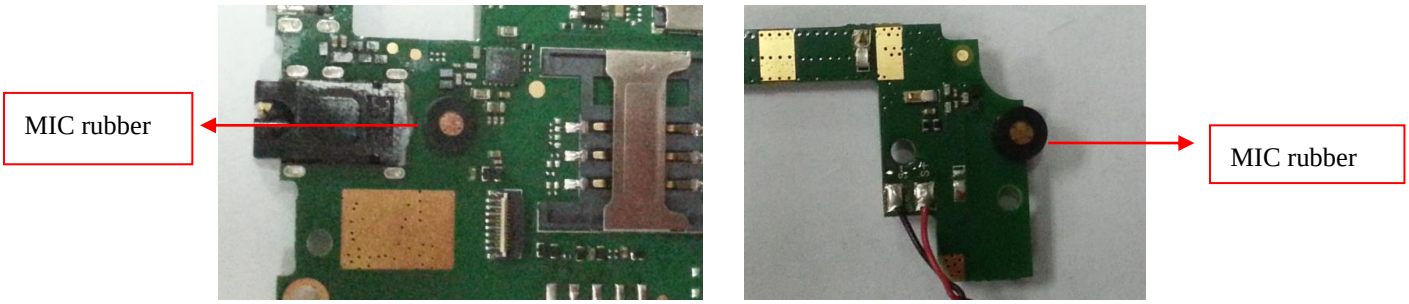
The camera adhesive comes along with the front camera.



Remove the front camera foam.

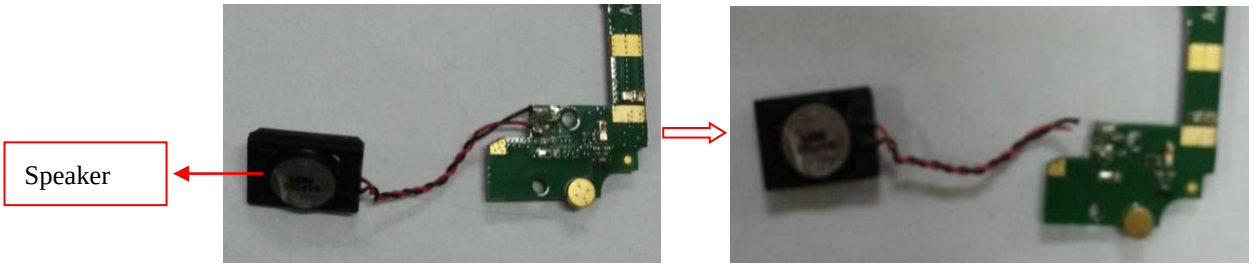


Remove two MIC rubbers on the main board. Positions of MIC rubbers are shown below.



6) Remove speaker

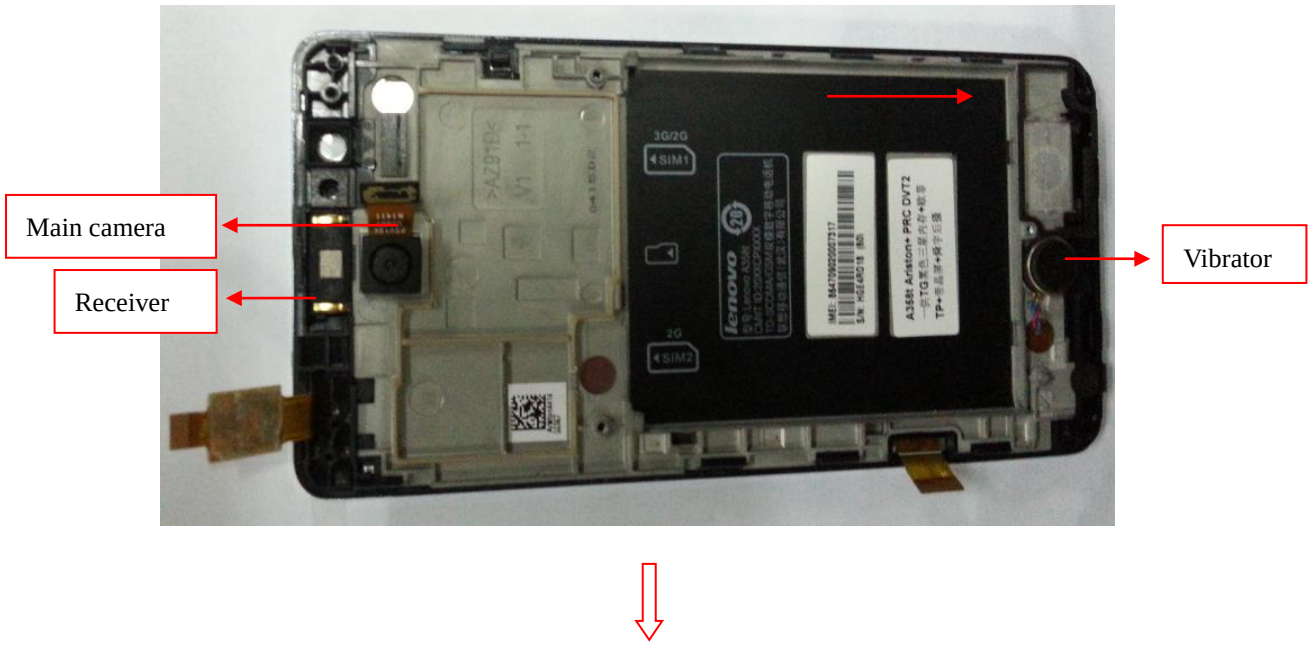
Remove speaker from the main board with a soldering iron.



7) Remove main camera, receiver and vibrator from A cover.

Main camera, receiver and vibrator are glued to the A cover.

The adhesives come along with main camera, receiver and vibrator.

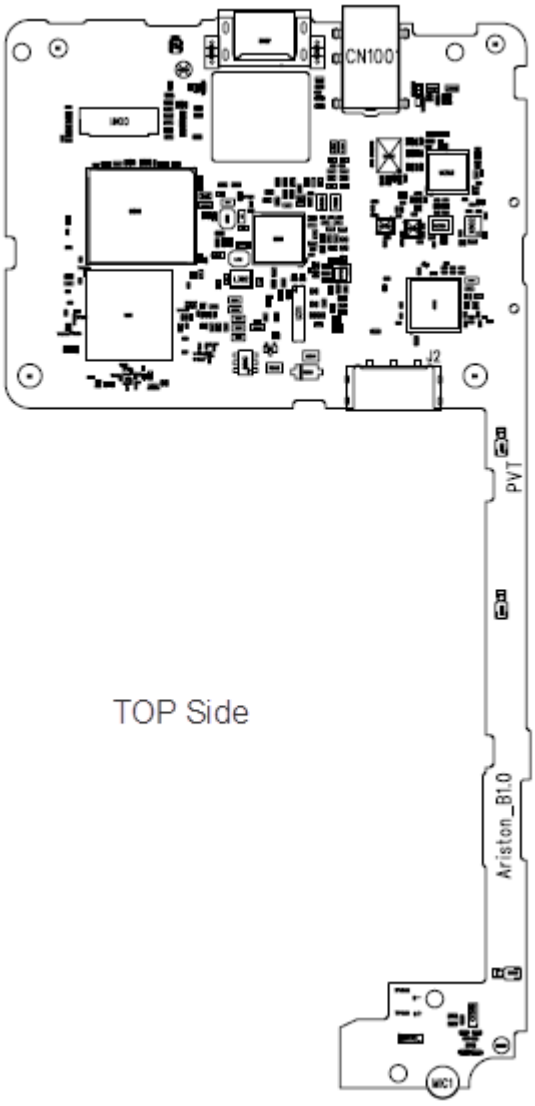


1.2 The phone assemble guide

Assemble and disassemble process is opposite

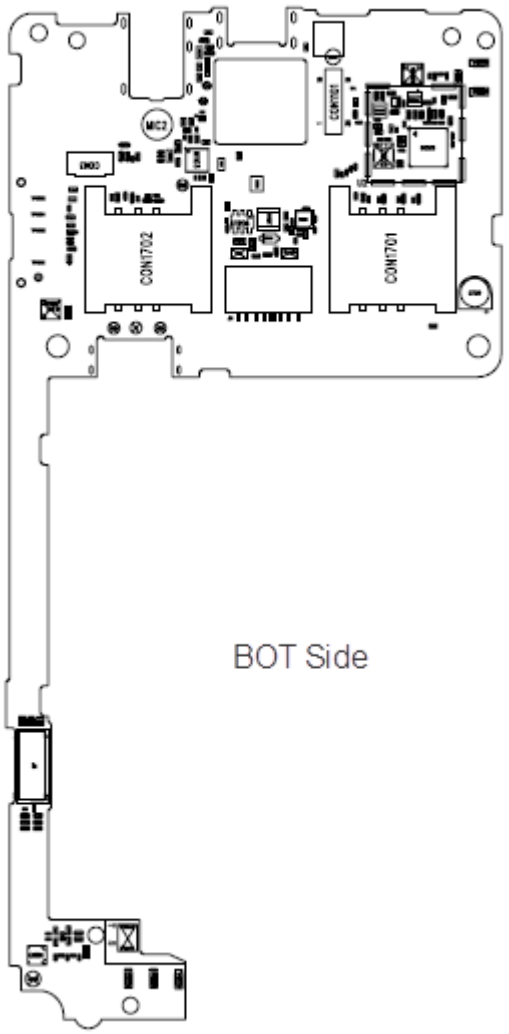
2. Main board and Sub FPC layout introduction

2.1 Main board top view



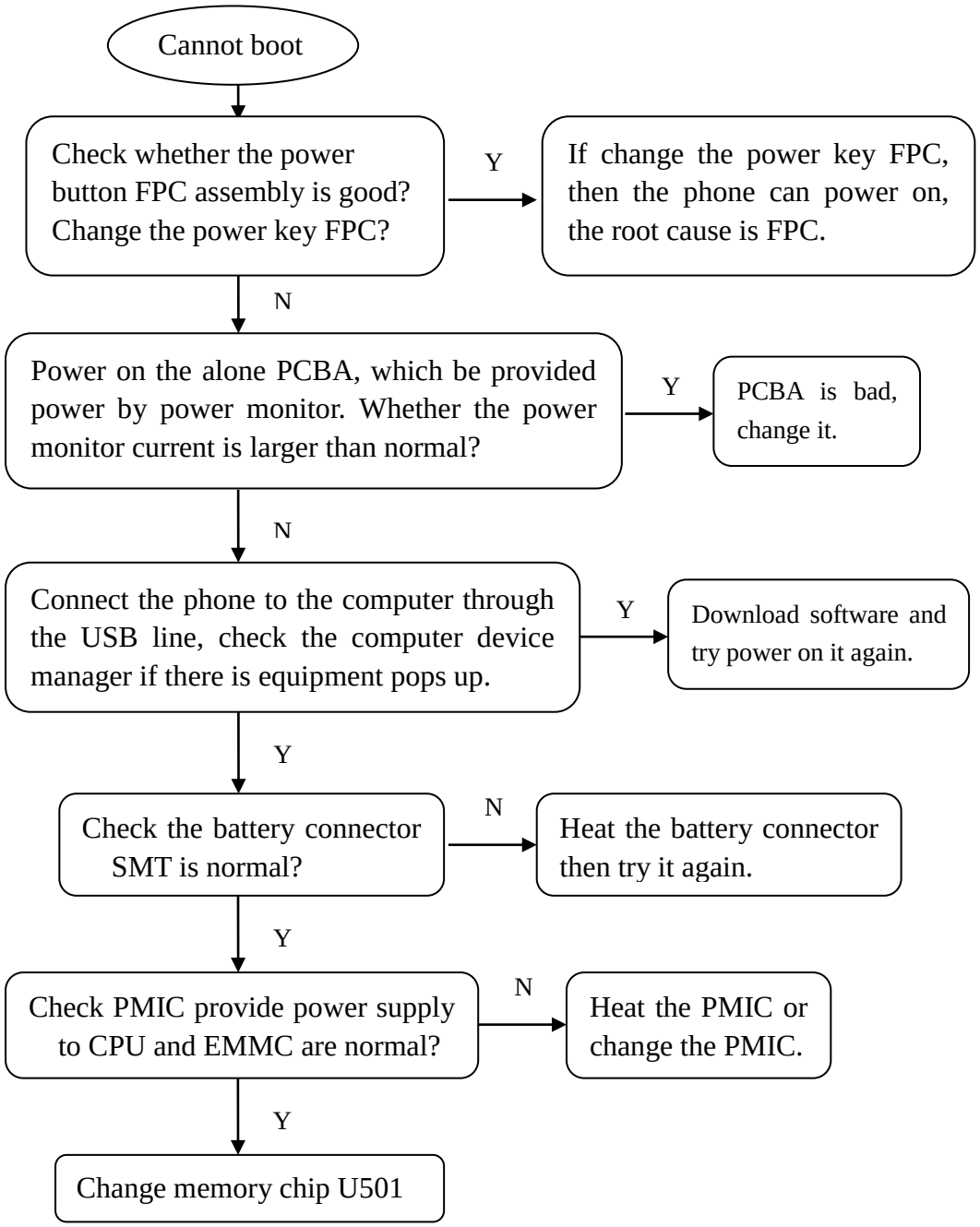
TOP Side

2.2 Main board bottom view

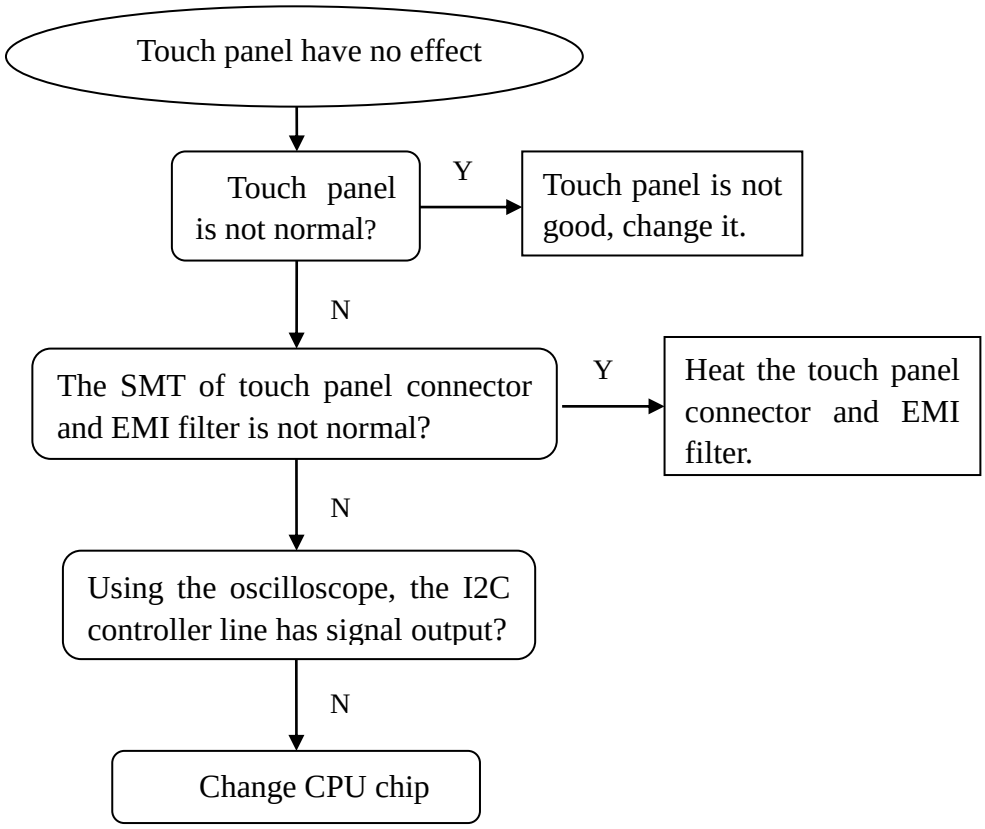


3. Troubleshooting Procedure

3.1 No boot

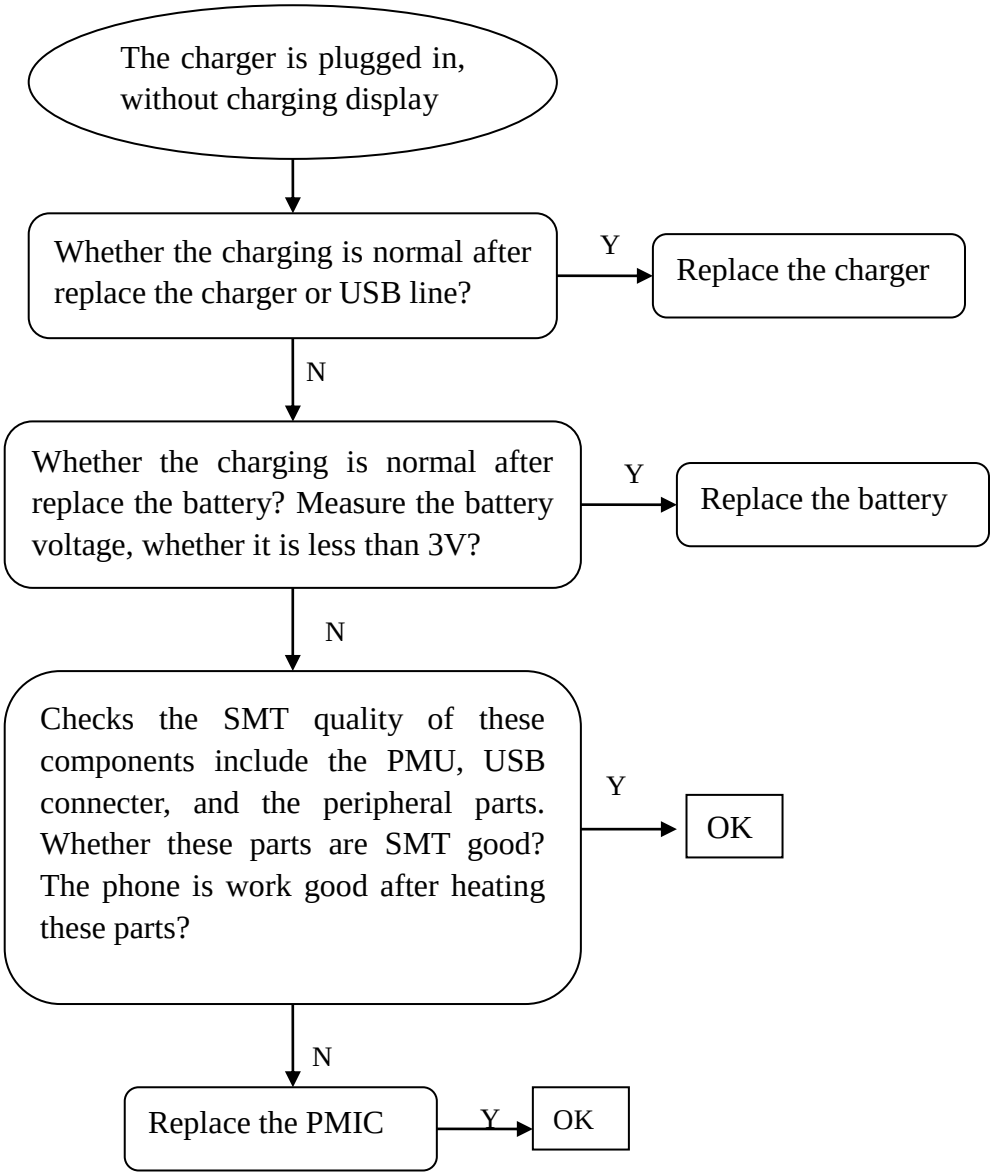


3.2 Touch panel have no effect

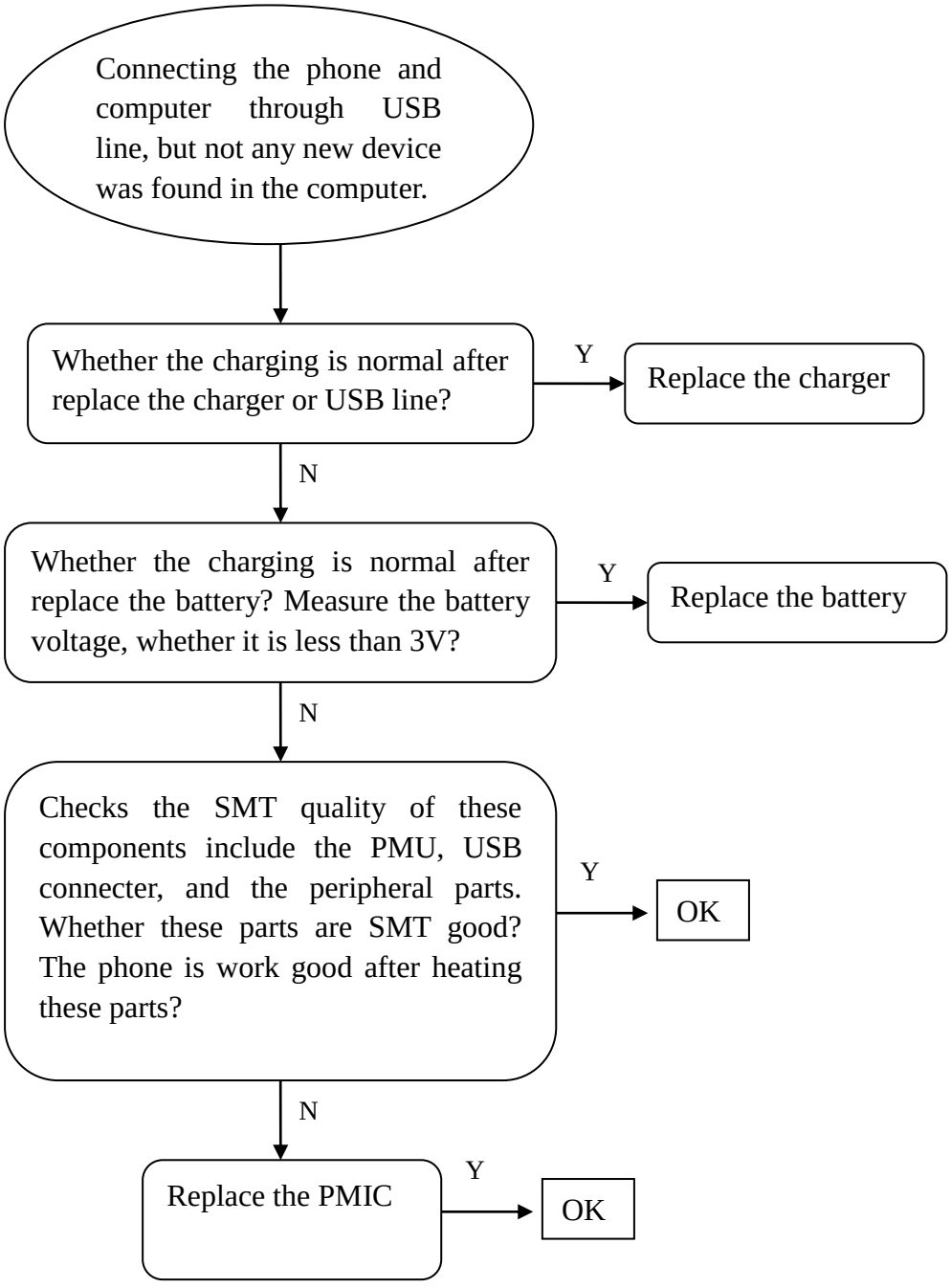


3.3 Charging anomaly

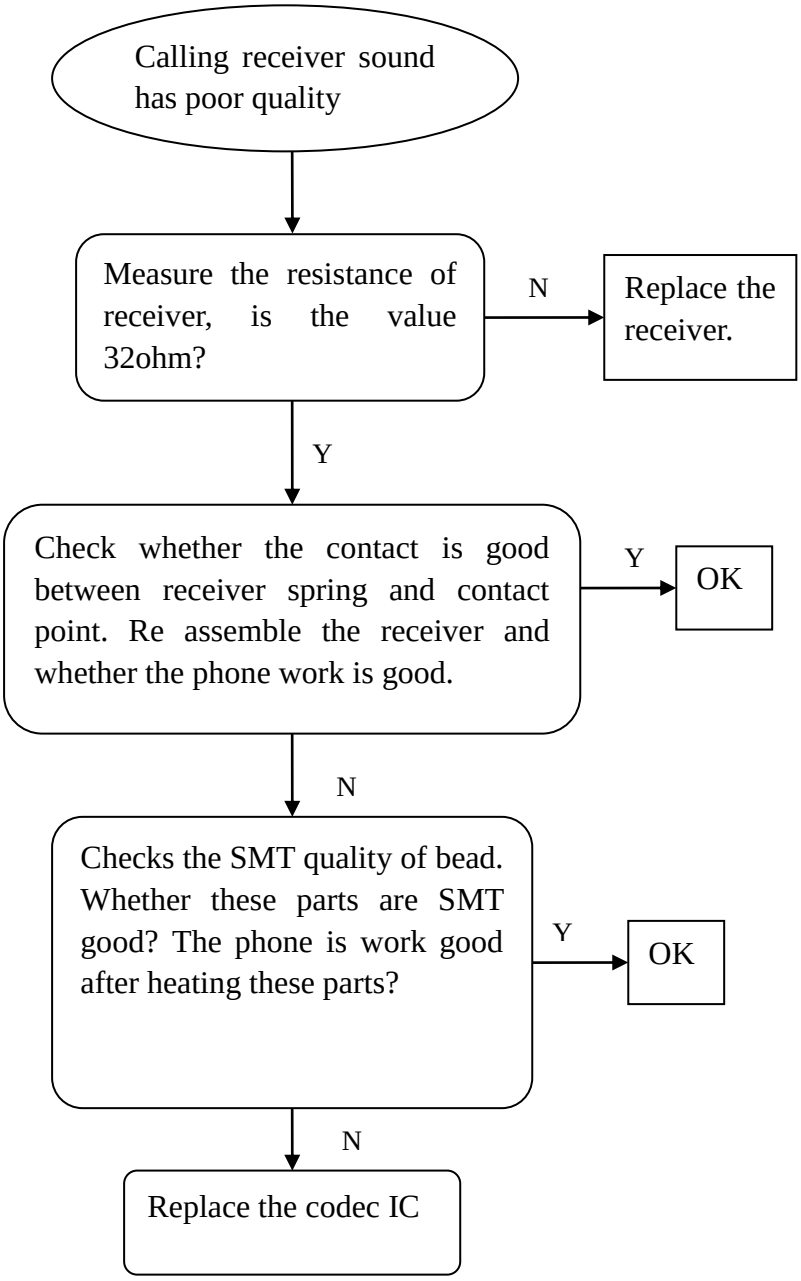
3.3.1 The charger is plugged in, without charging display



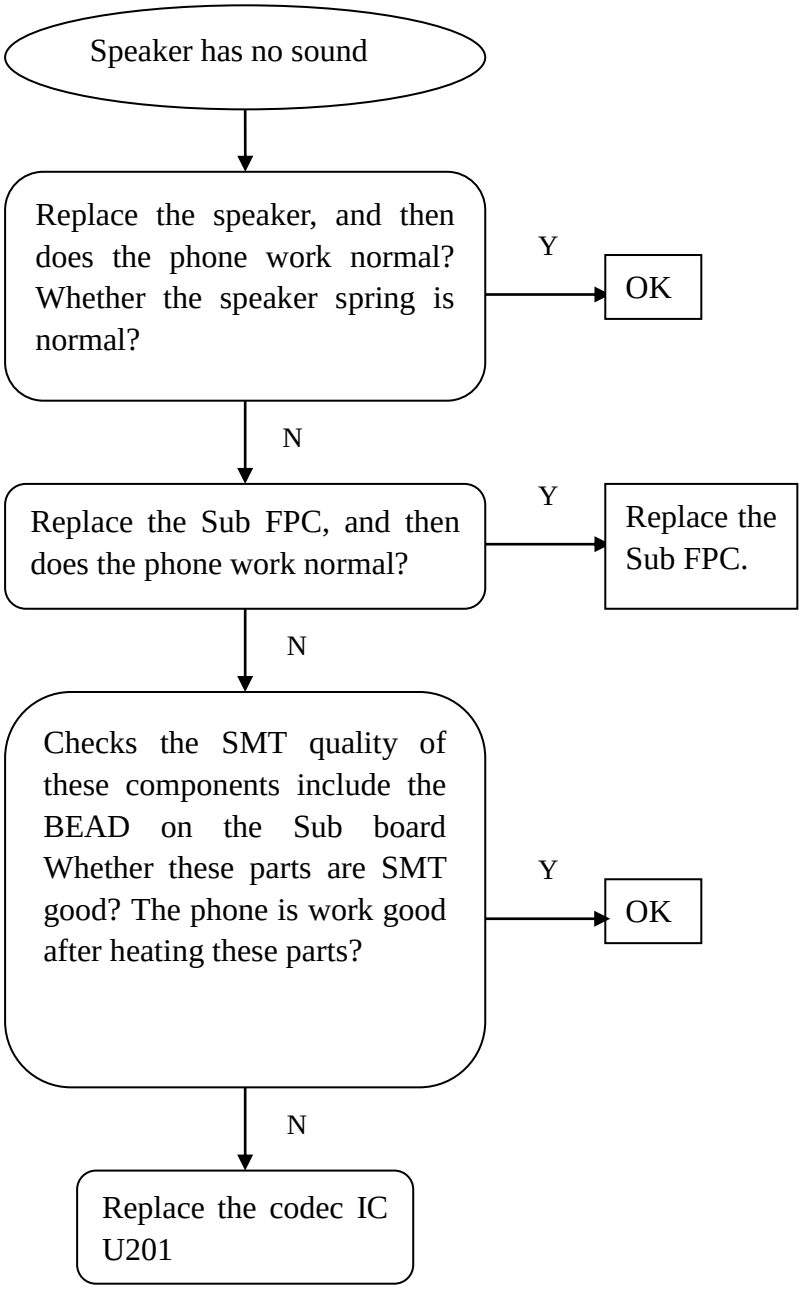
3.3.2 Connect the phone and computer through USB line, but not any new device was found in the computer



3.4 Calling receiver sound has poor quality

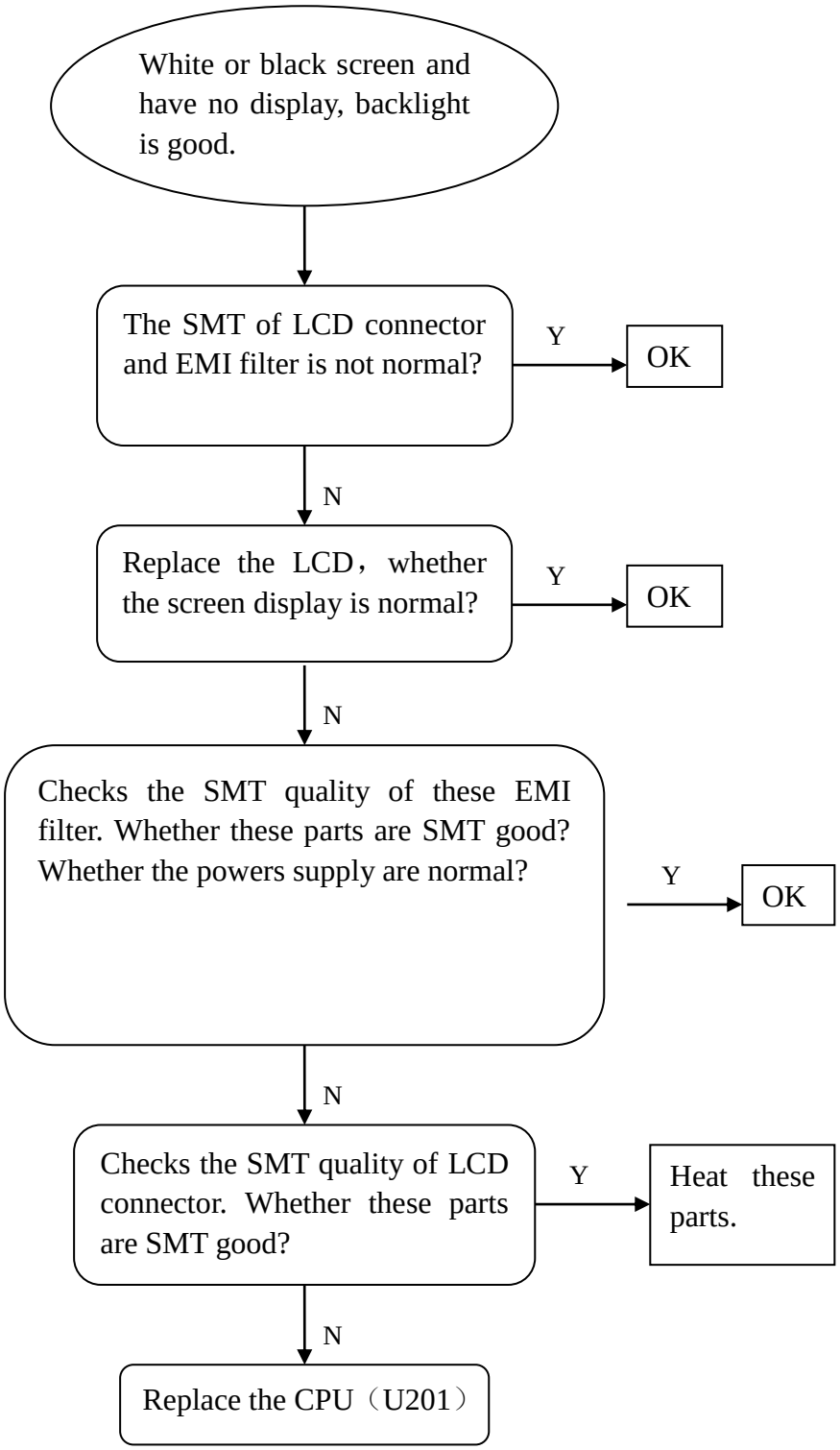


3.5 Speaker has no sound

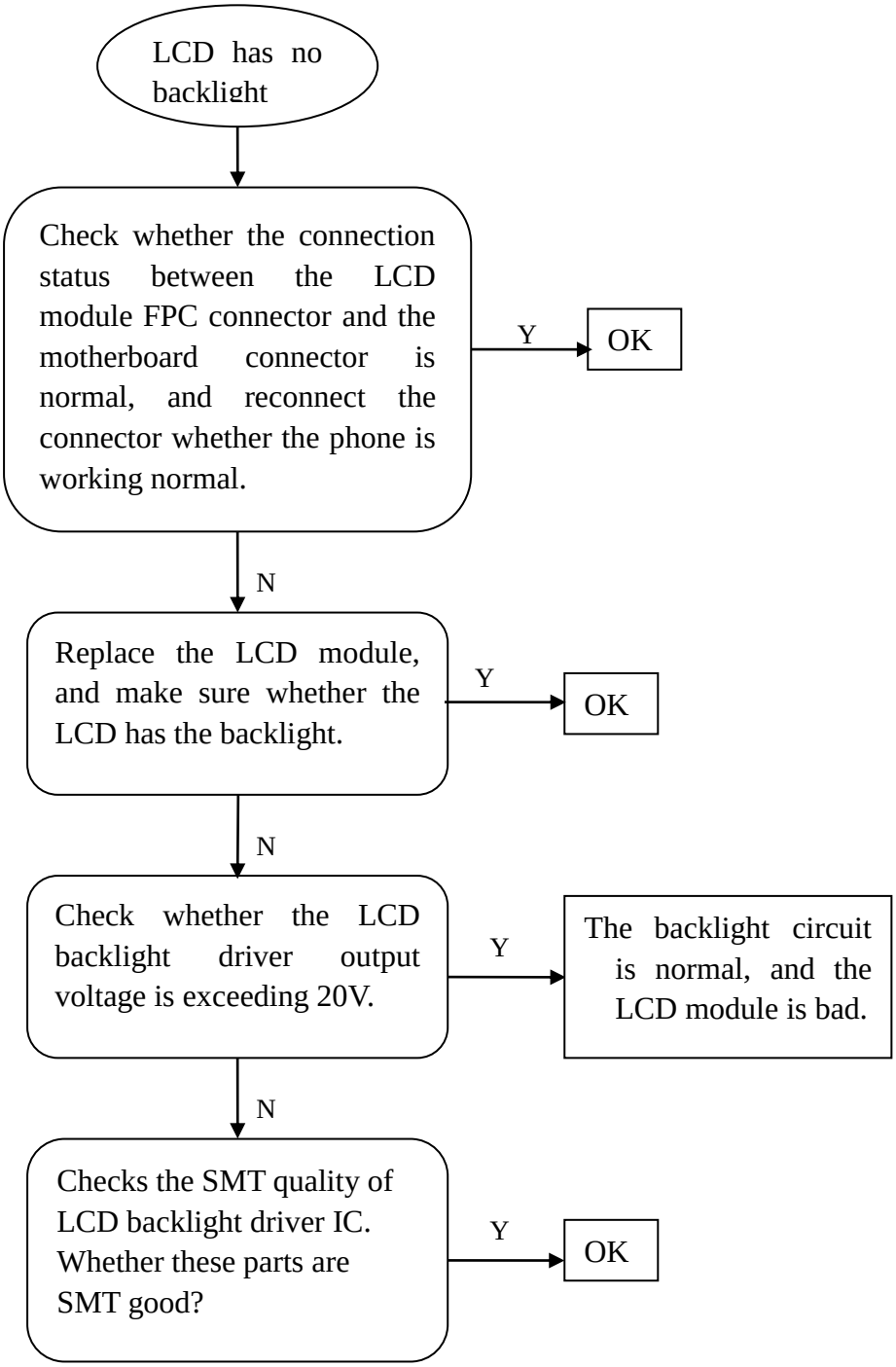


3.6 LCD has no display

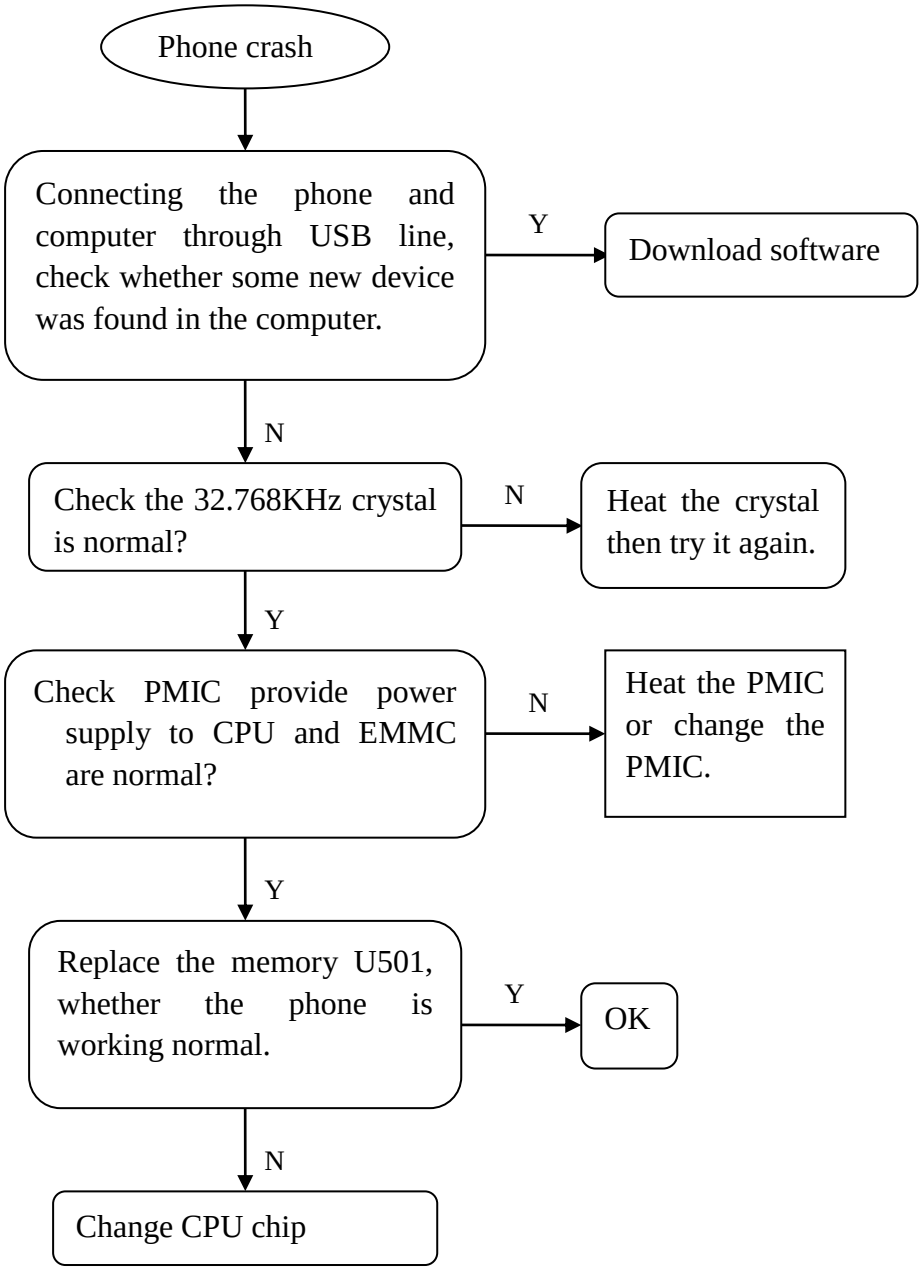
3.6.1 Power on and no display



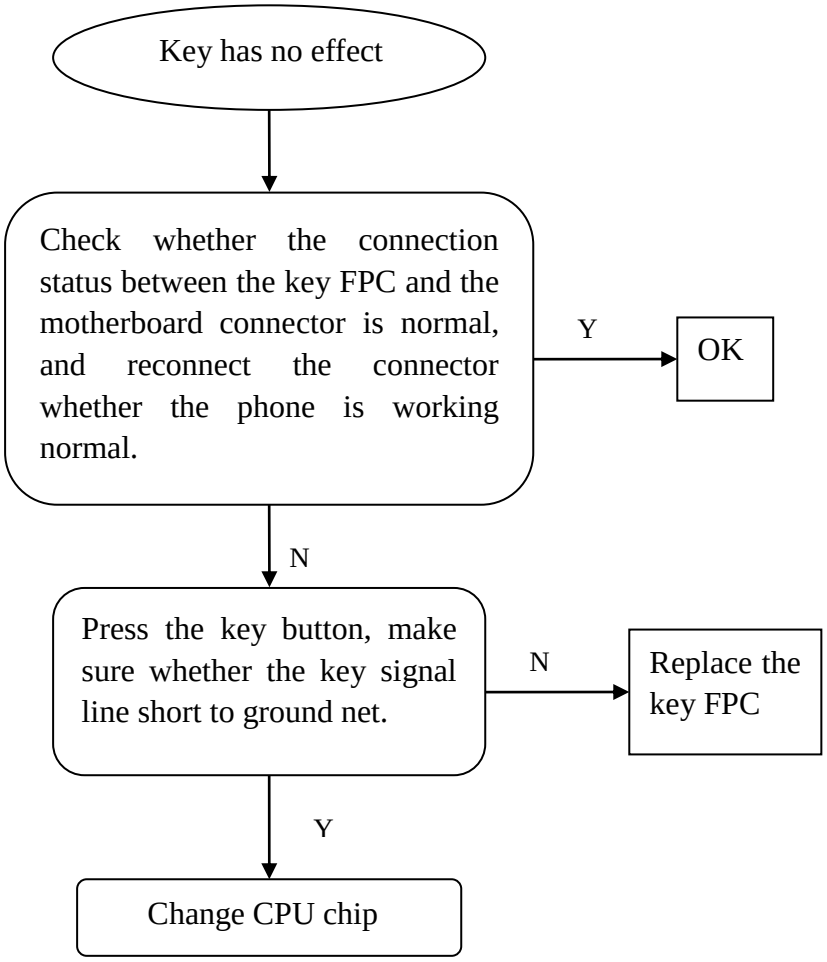
3.6.2 LCD has no display



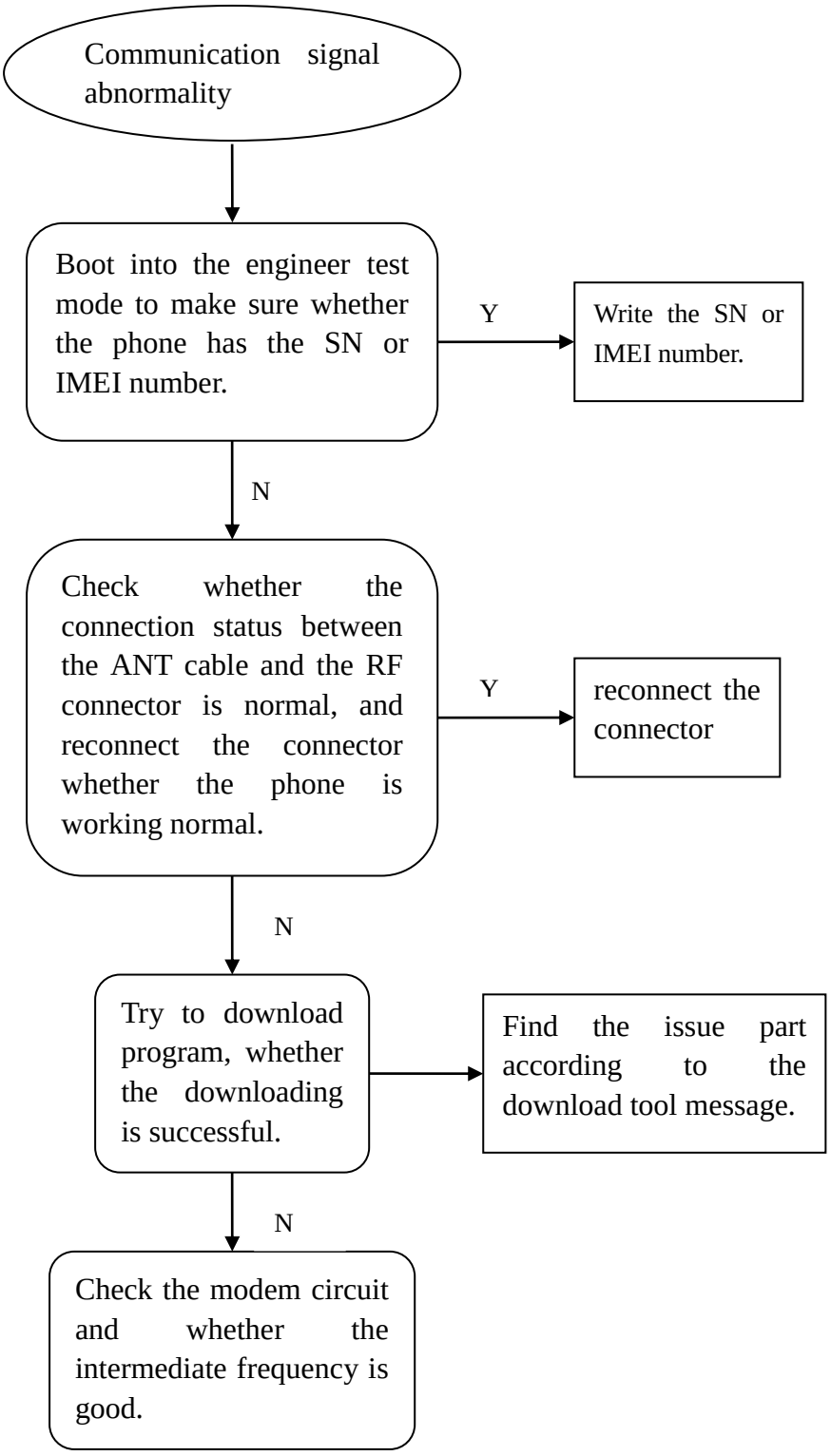
3.7 Phone crash



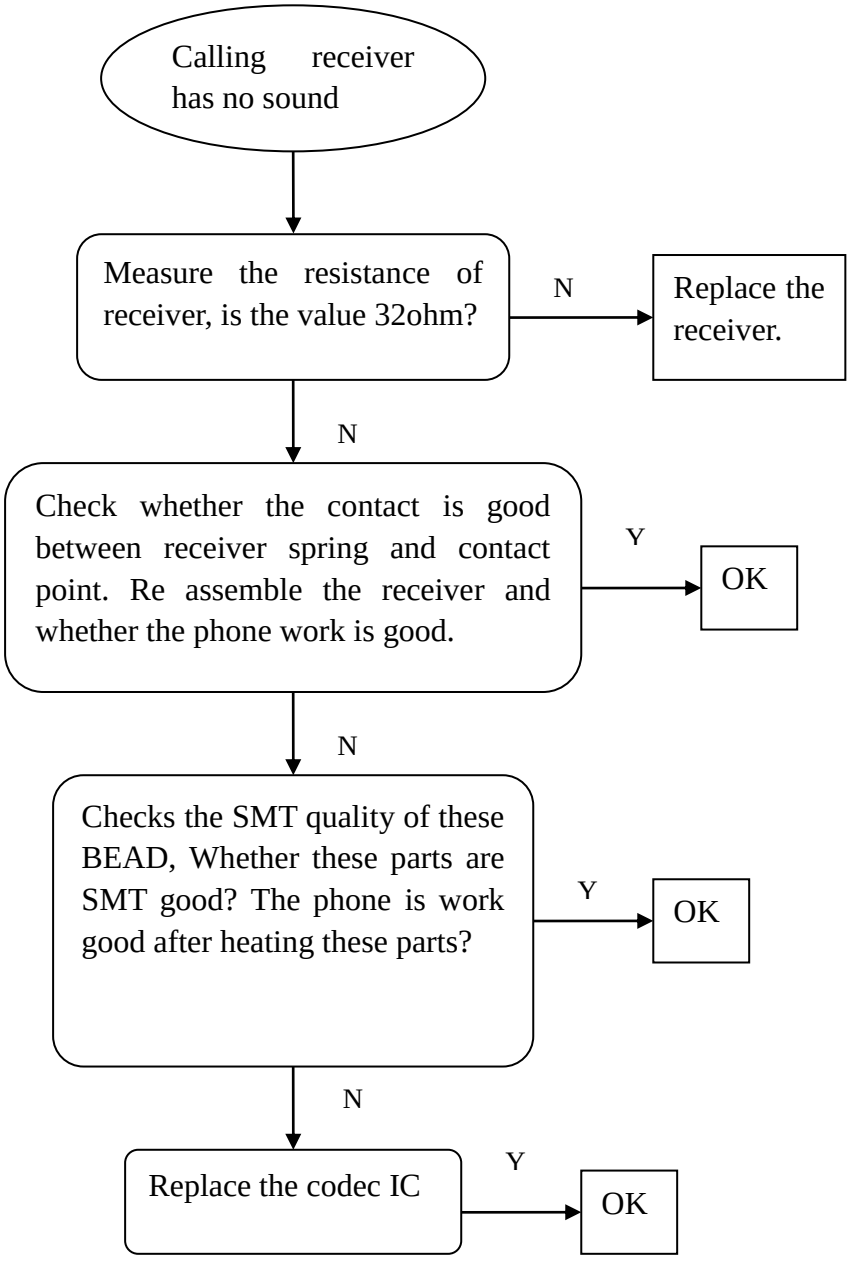
3.8 Key has no effect



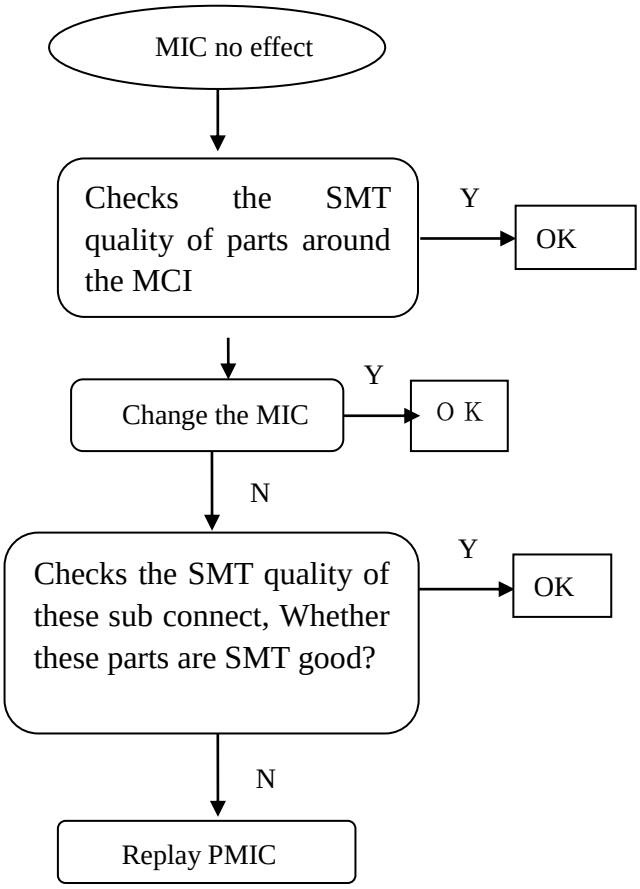
3.9 Communication signal abnormality



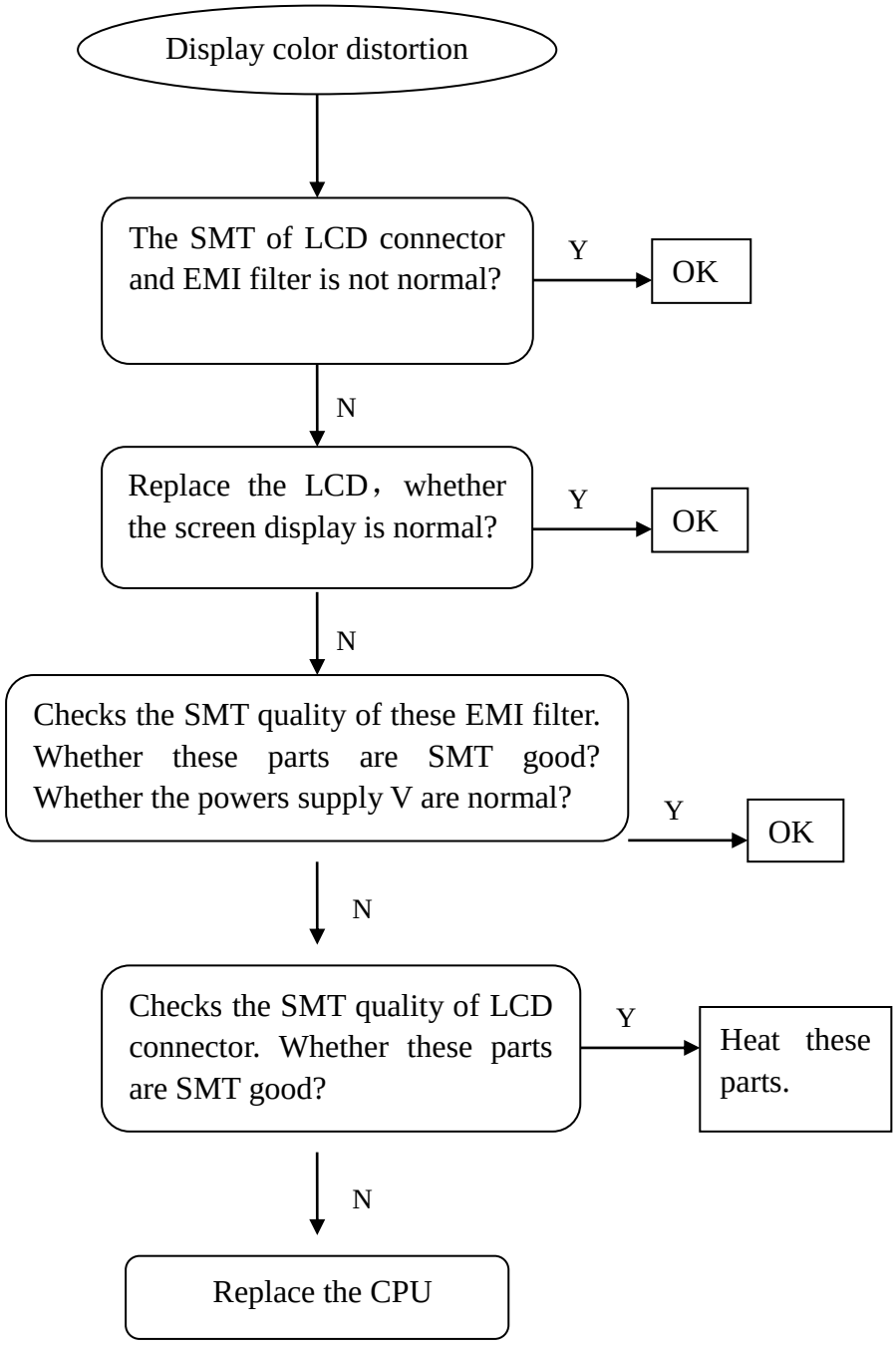
3.10 Calling receiver has no sound



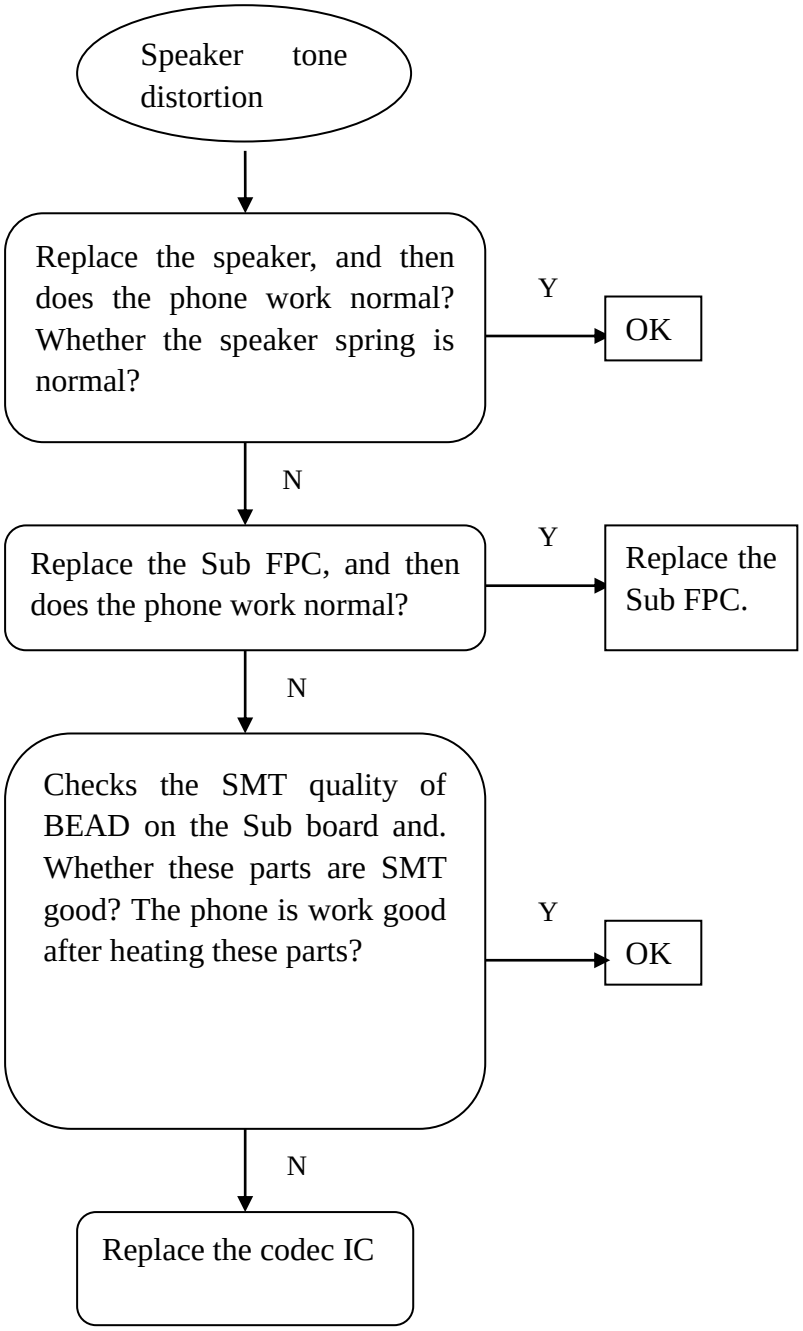
3.11 Microphone has no effect



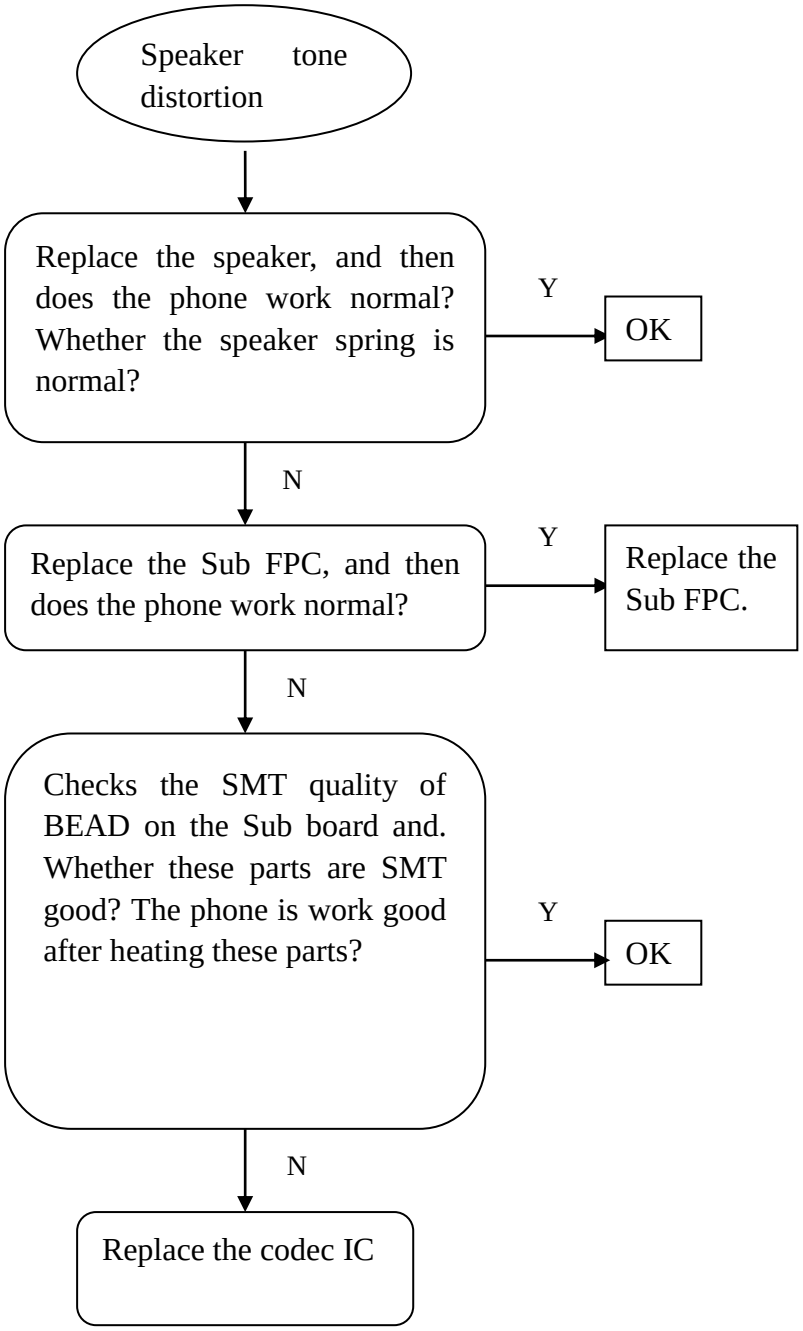
3.12 Display color distortion



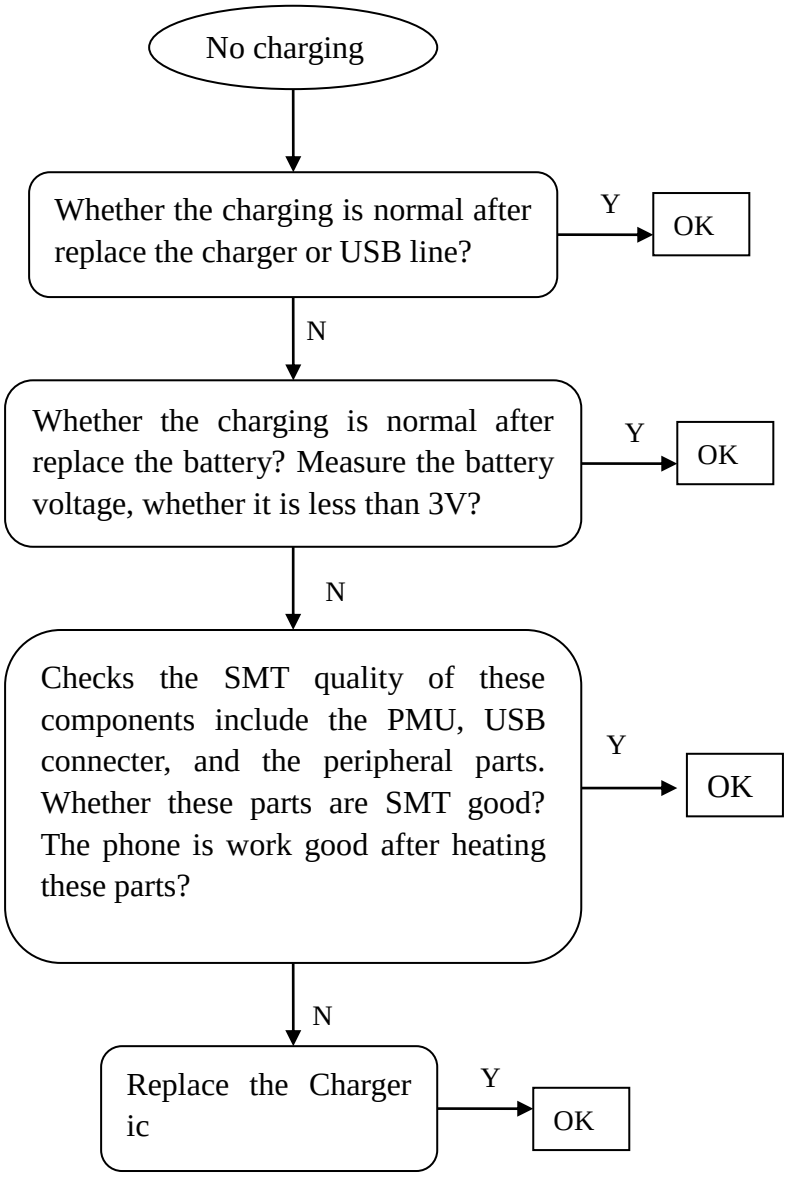
3.13 Speaker tone distortion



3.14 Speaker tone smaller

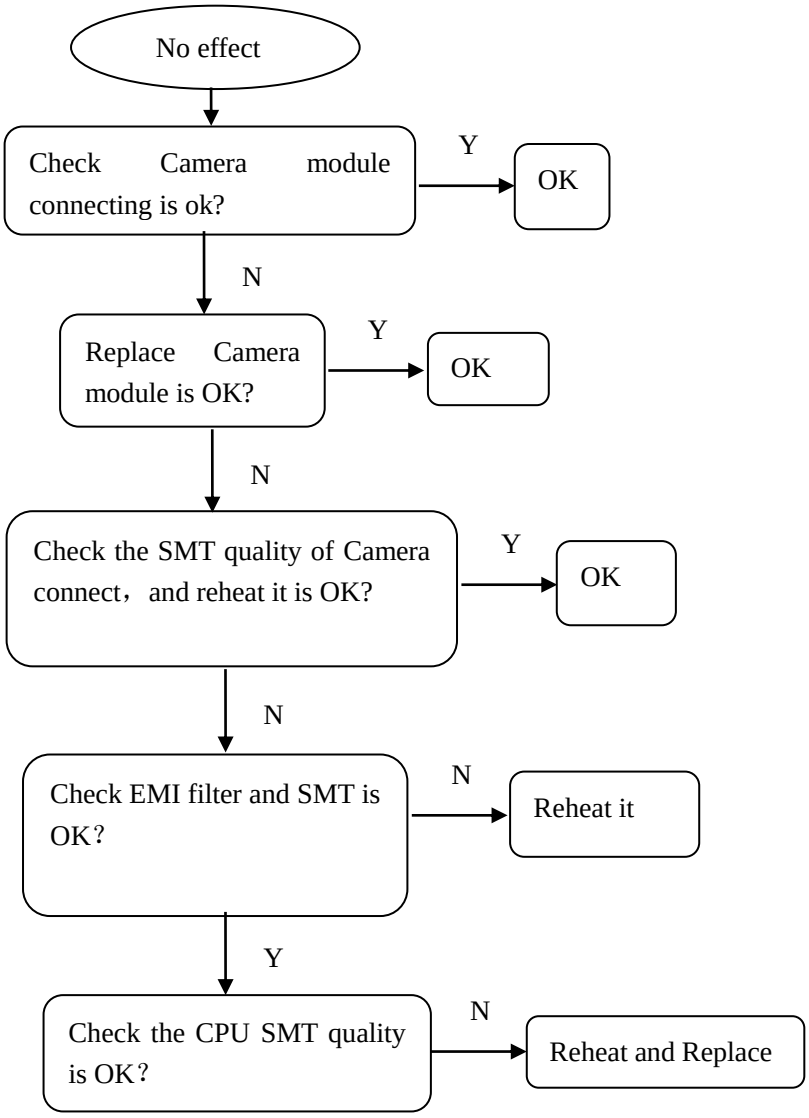


3.15 No charging

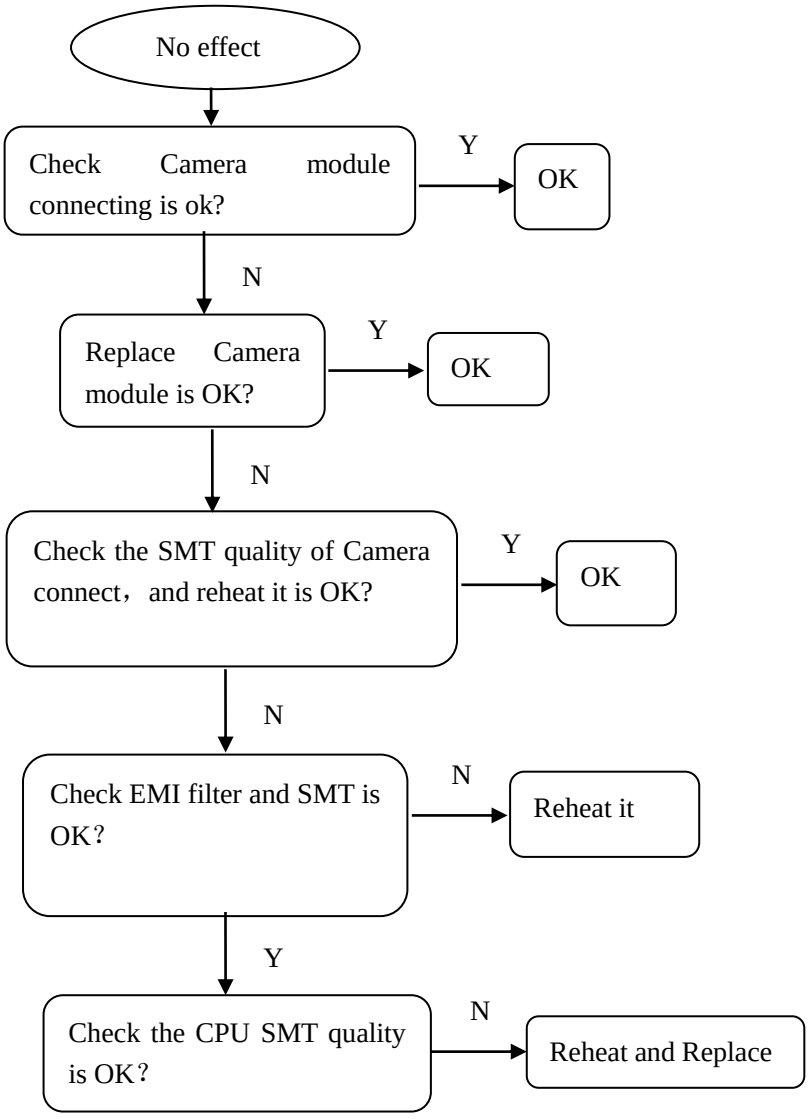


3.16 Camera has no effect

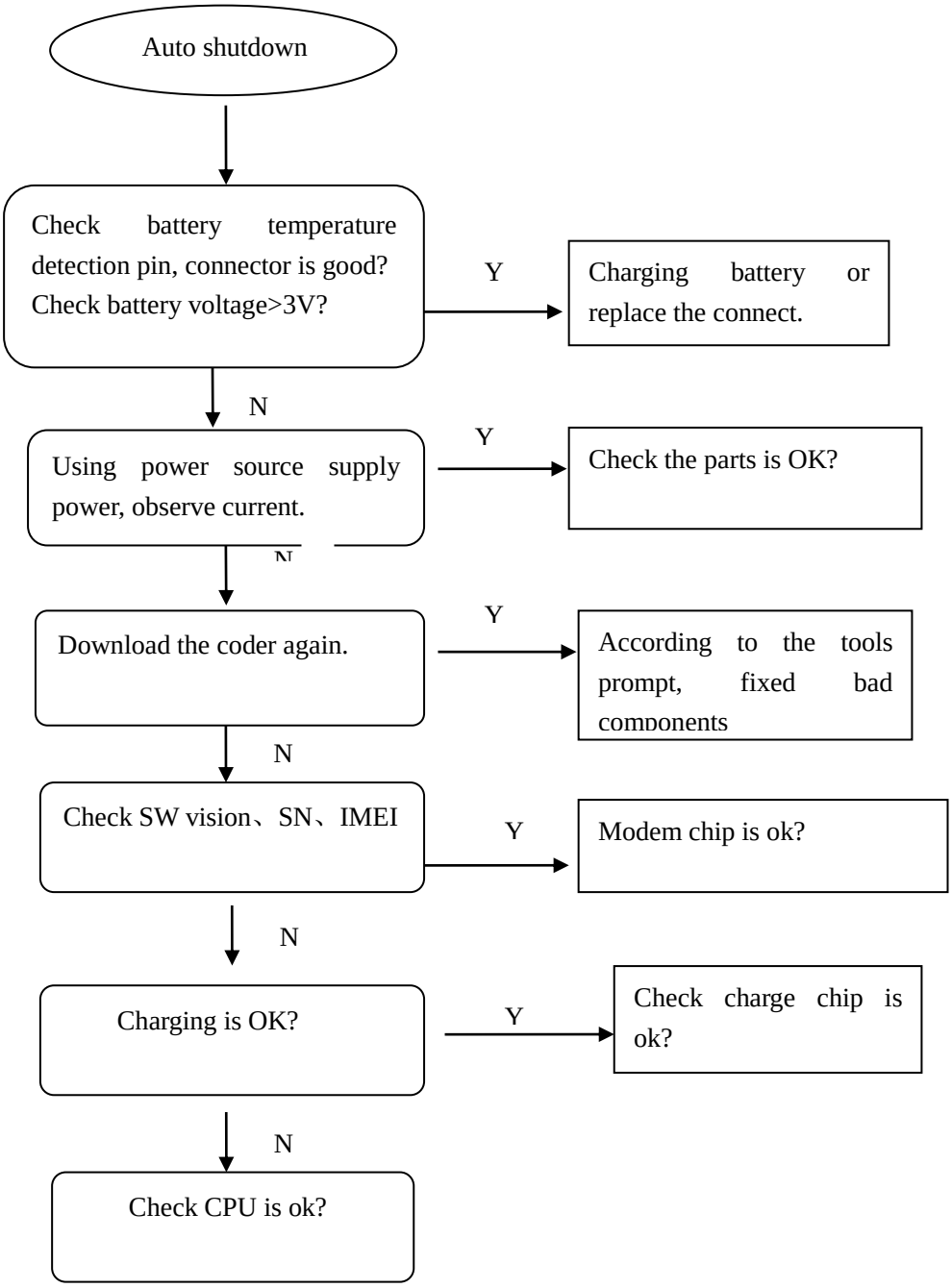
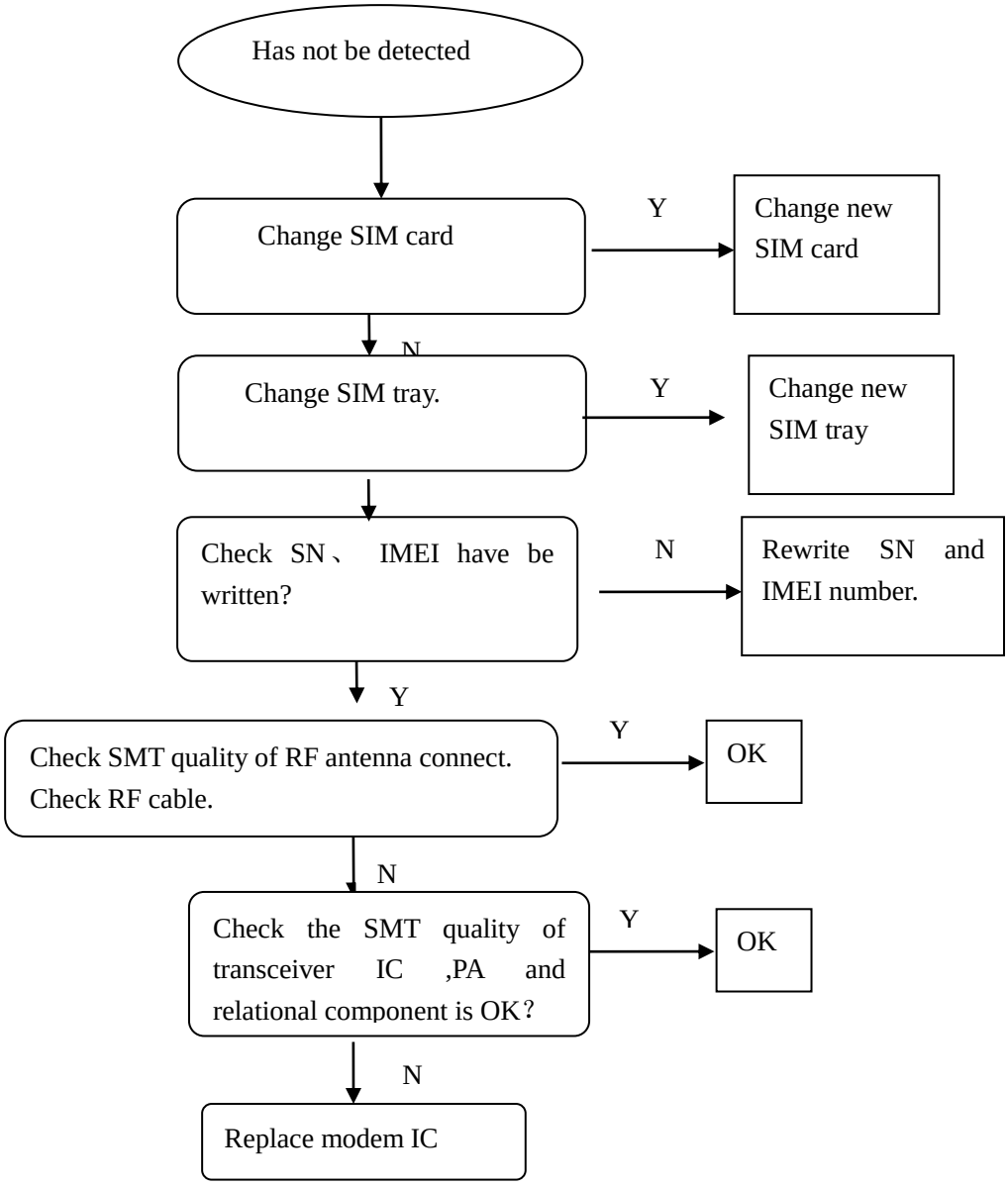
3.16.1 Main camera has no effect



3.16.2 Sub camera has no effect



3.17 Auto shutdown



3.18 SIM Card has not be detected