

S98736

Maintenance manuals

LENOVO

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1.Teardown guidance

Dismantling machine tools: Screwdriver (Cross) 、tweezers、crowbar



a. Disassemble battery cover

According to the arrow remove the battery cove.



b. Disassemble battery

According to the battery clasp hands direction, remove the battery.



c. Motherboard screw down the

Unscrew the 10 screws (screw bit:cross) in the red circle according to the following figure; Tamper label position 5、9.



d. Disassemble antenna bracket and speaker bracket

Disassemble the back bracket from the front shell, ensure don't damage the buttons on the front shell inside the red cycle.



e. Dismantle the speaker holder

Disassemble the speaker bracket from the front shell, ensure don't damage the speaker pins and the components on the main FPC and sub board.



f. Disassemble the connectors

Disassemble the side key FPC connector, TP FPC connector, main FPC, the rear camera connector.



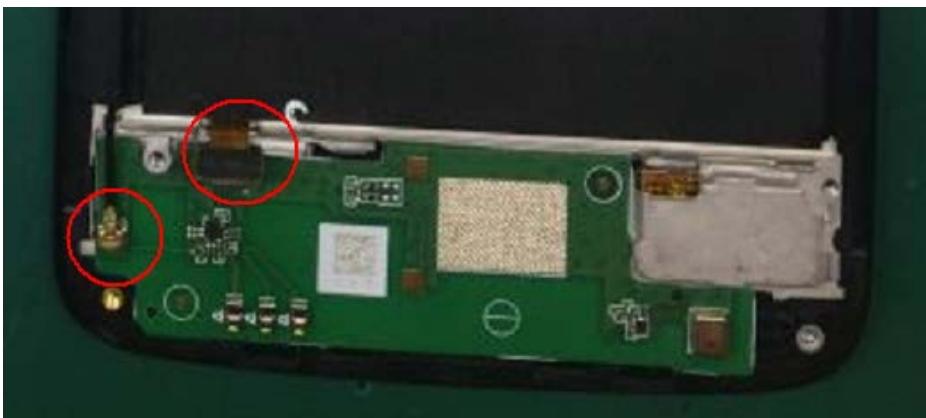
g. Disassemble the mainboard

Disassemble the mainboard from the front shell, due to the coaxial cable connector and motor, pls pay attention to the separation of the mainboard.



h. Disassemble sub board

Disassemble the coaxial cable and sub FPC from the sub board ,and then remove the sub board from the front shell with the tweezers, pay attention to the adhesive paste on the back side of the sub board.



i. Dismantle the receiver, rubber mat and labels

Disassemble USB rubber 、host lable and the receiver from the front shell by using tweezers.



j. Disassemble TP-LCM module

Mobile phone in the heating stage, the temperature: 90 °C, time: 10 minutes, and then placed in a fixture on the TP removal and LCM, pay attention to the LCM FPC and TP FPC.

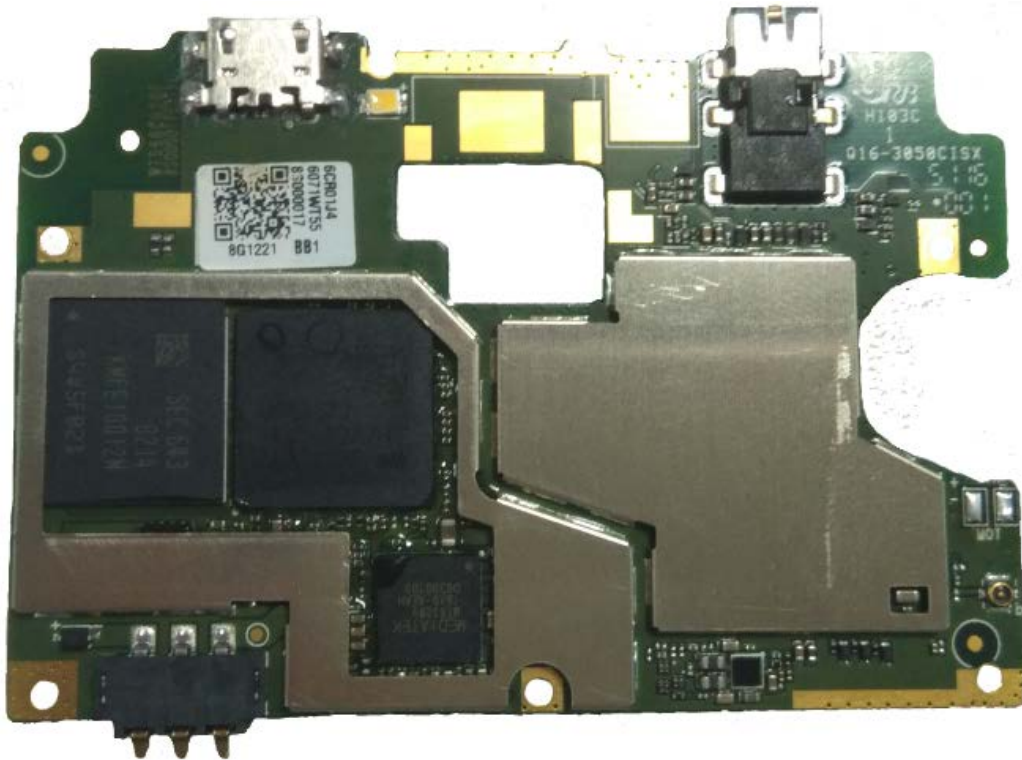


k. Pictures after disassemble

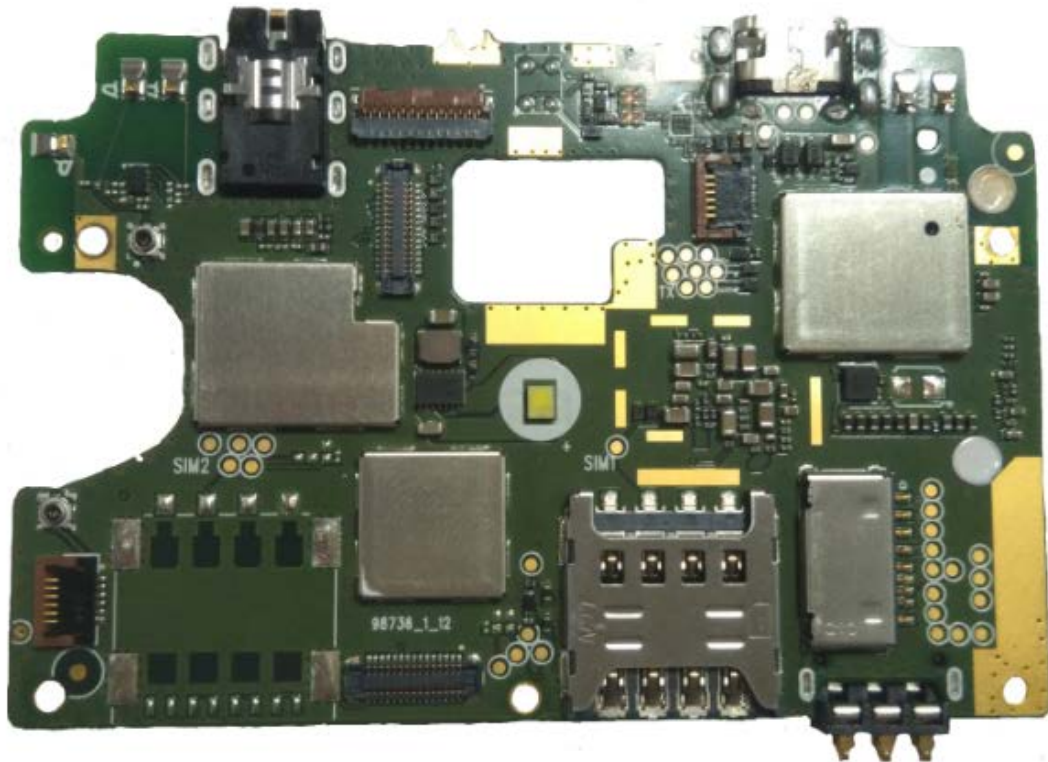


2.The main board layout is introduced

2.1 The mainboard positive figure



2.2 Main board on the back of the figure



2.3 Motherboard, figure a PDF document



98736_1_13_201
701171125.pdf

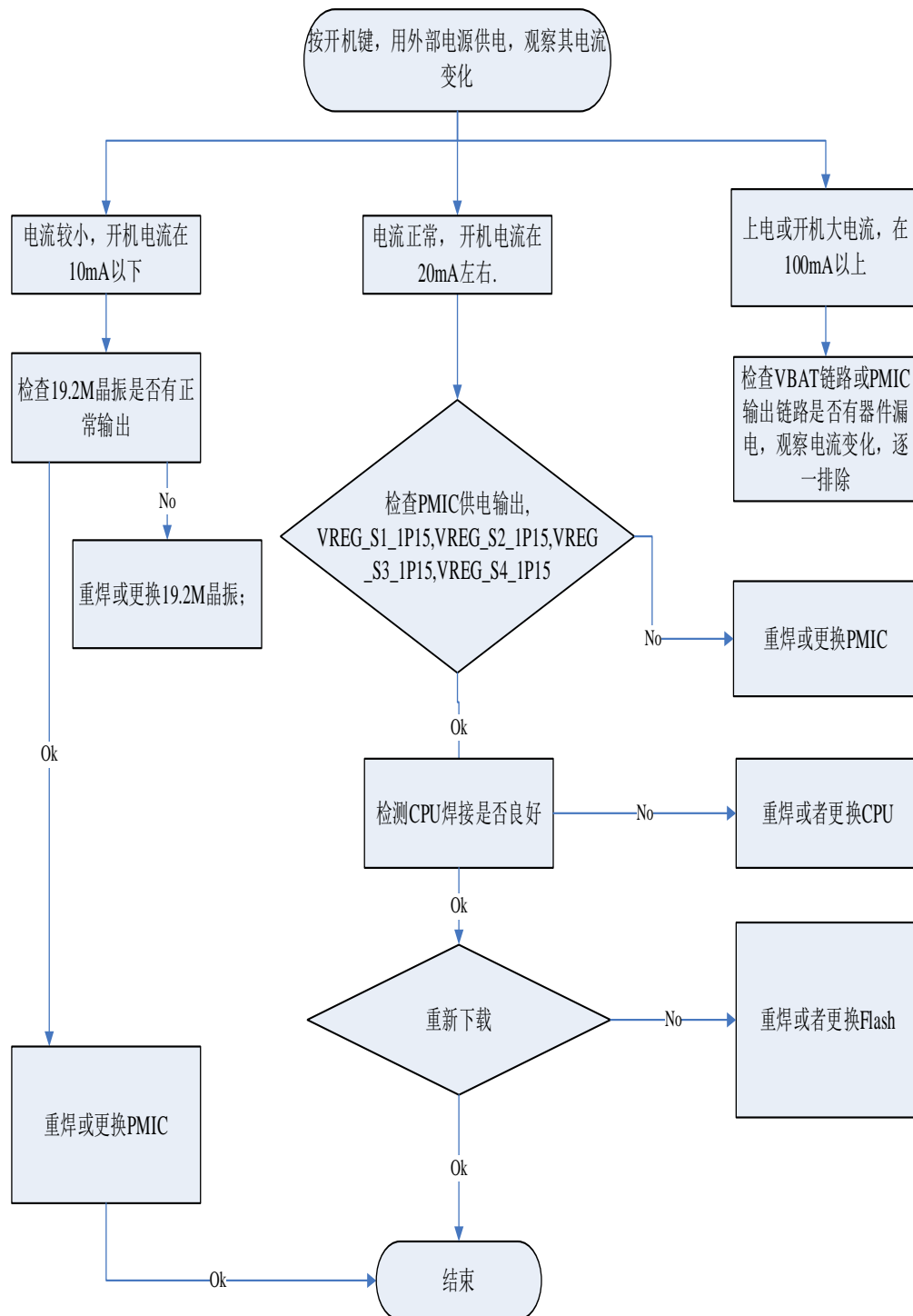
2.4 The main board schematic PDF document



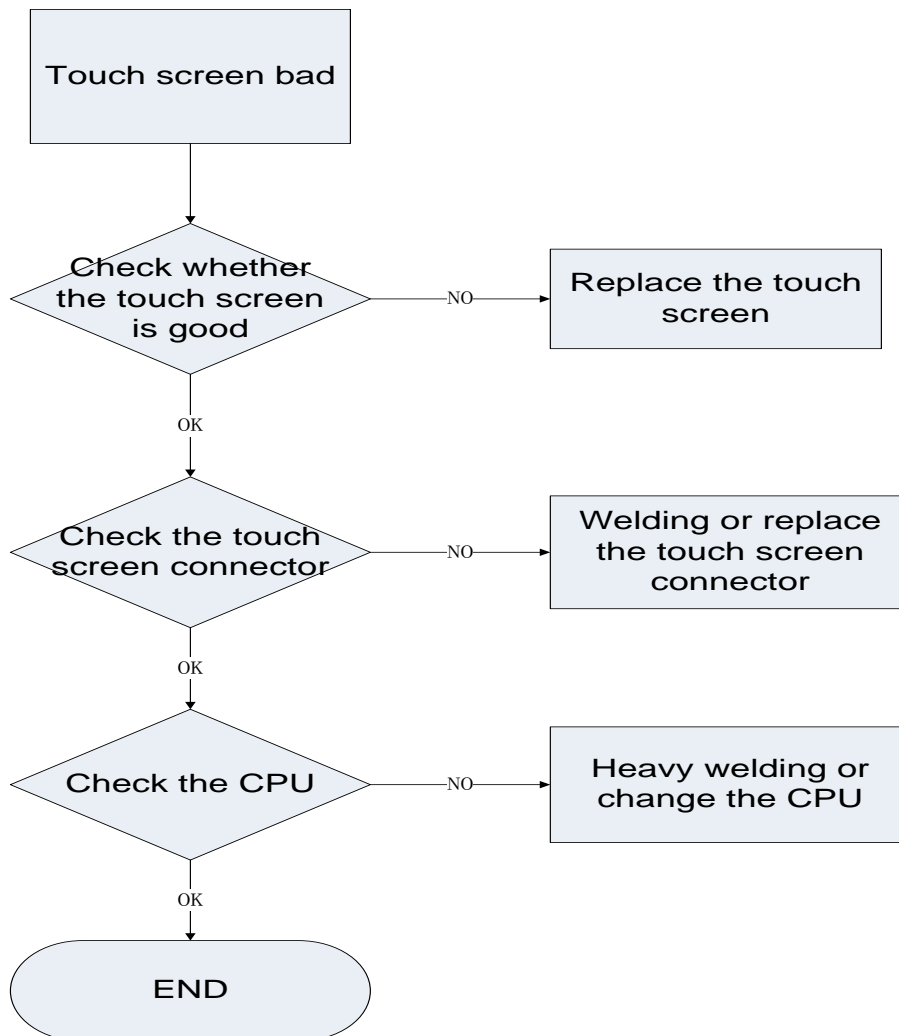
98736_1_13_201
701161704.pdf

3.Failure analysis flow chart

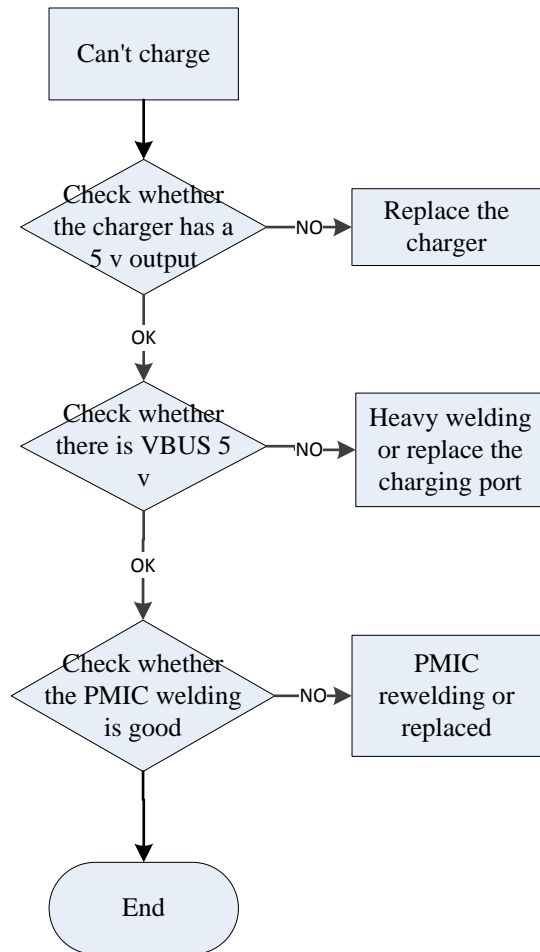
3.1 Don't start up



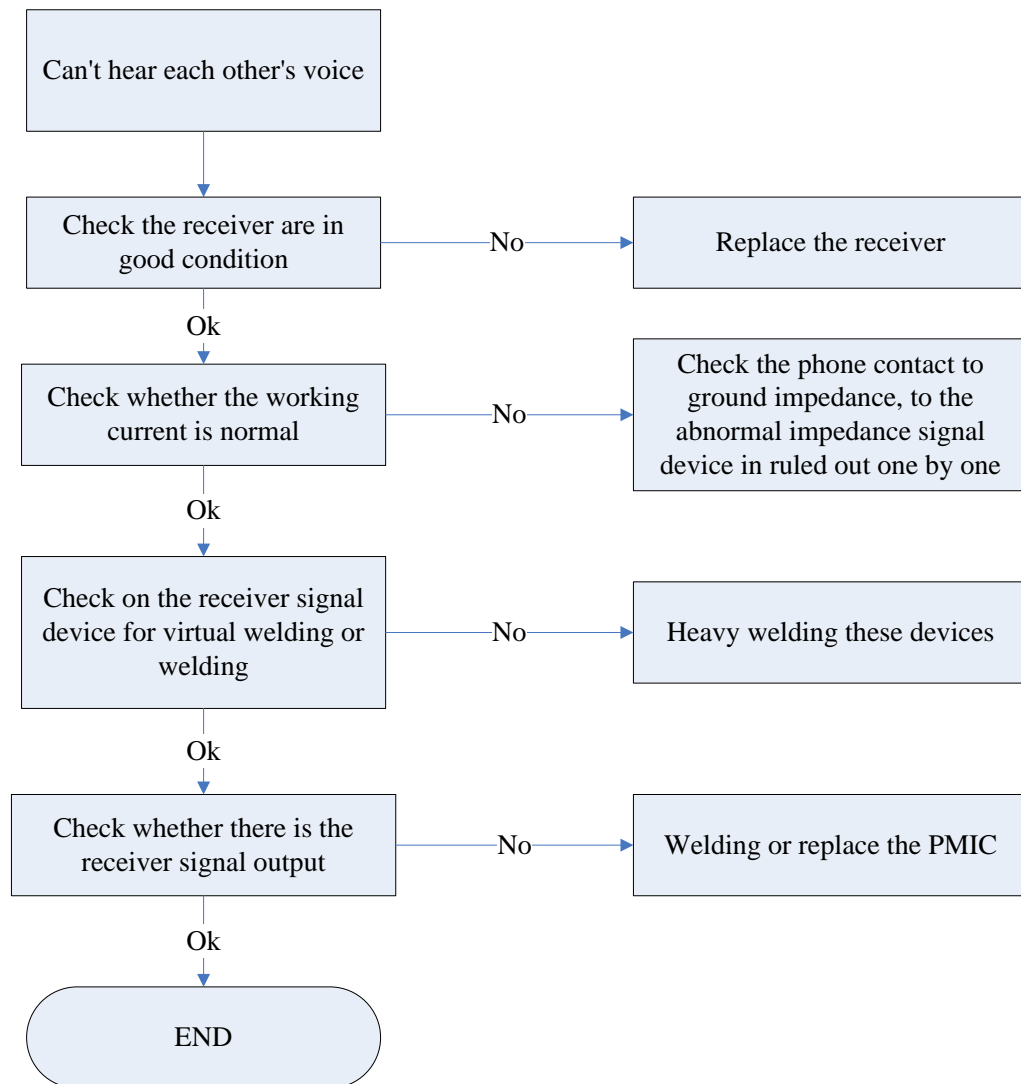
3.2 Touch screen failure



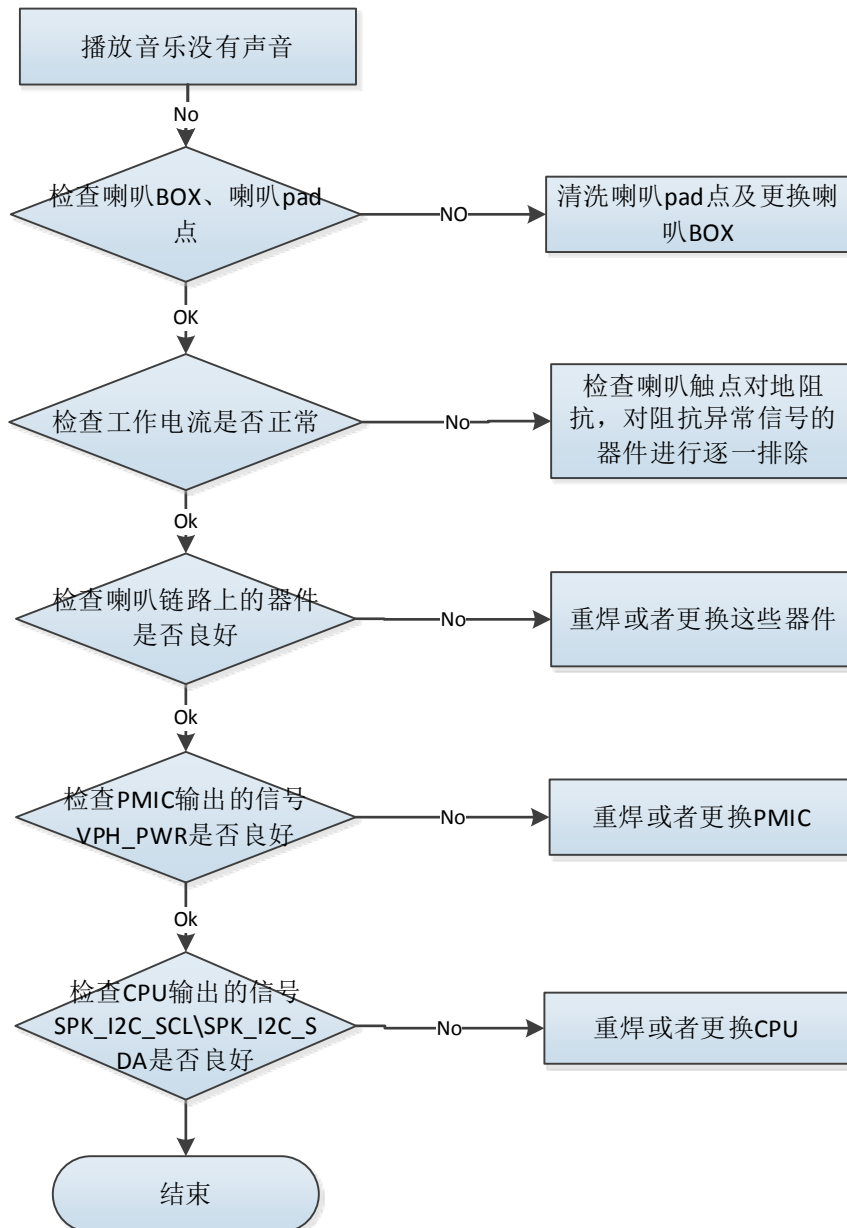
3.3 charge fault



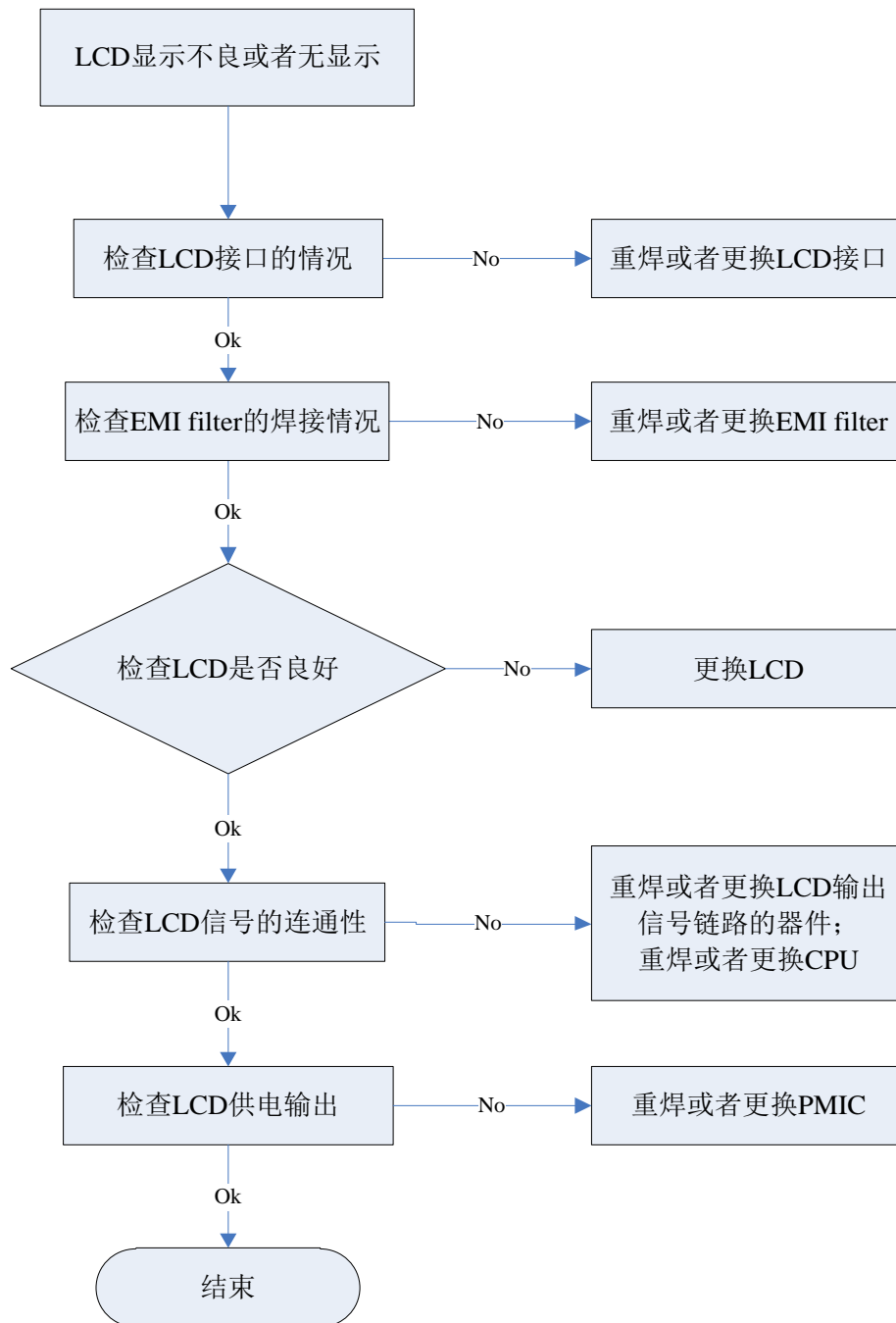
3.4 The receiver malfunction



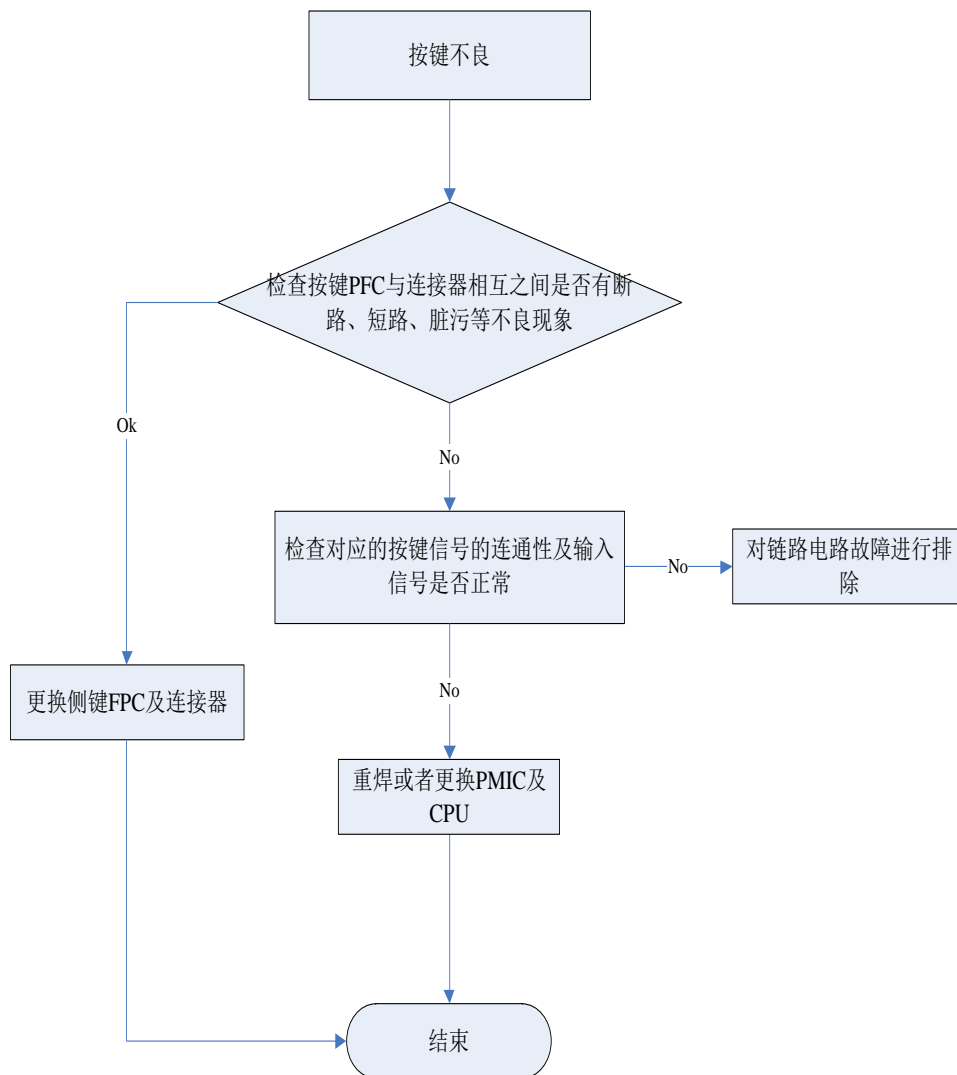
3.5 The horn fault



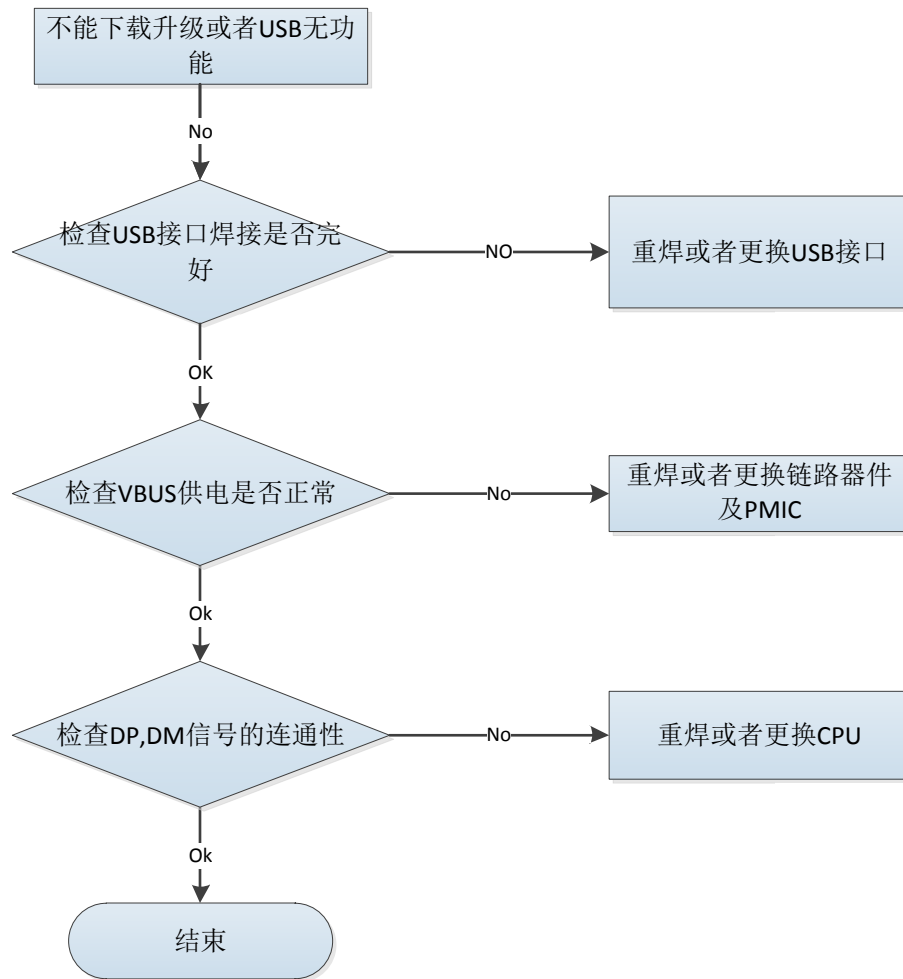
3.6 LCD display failure



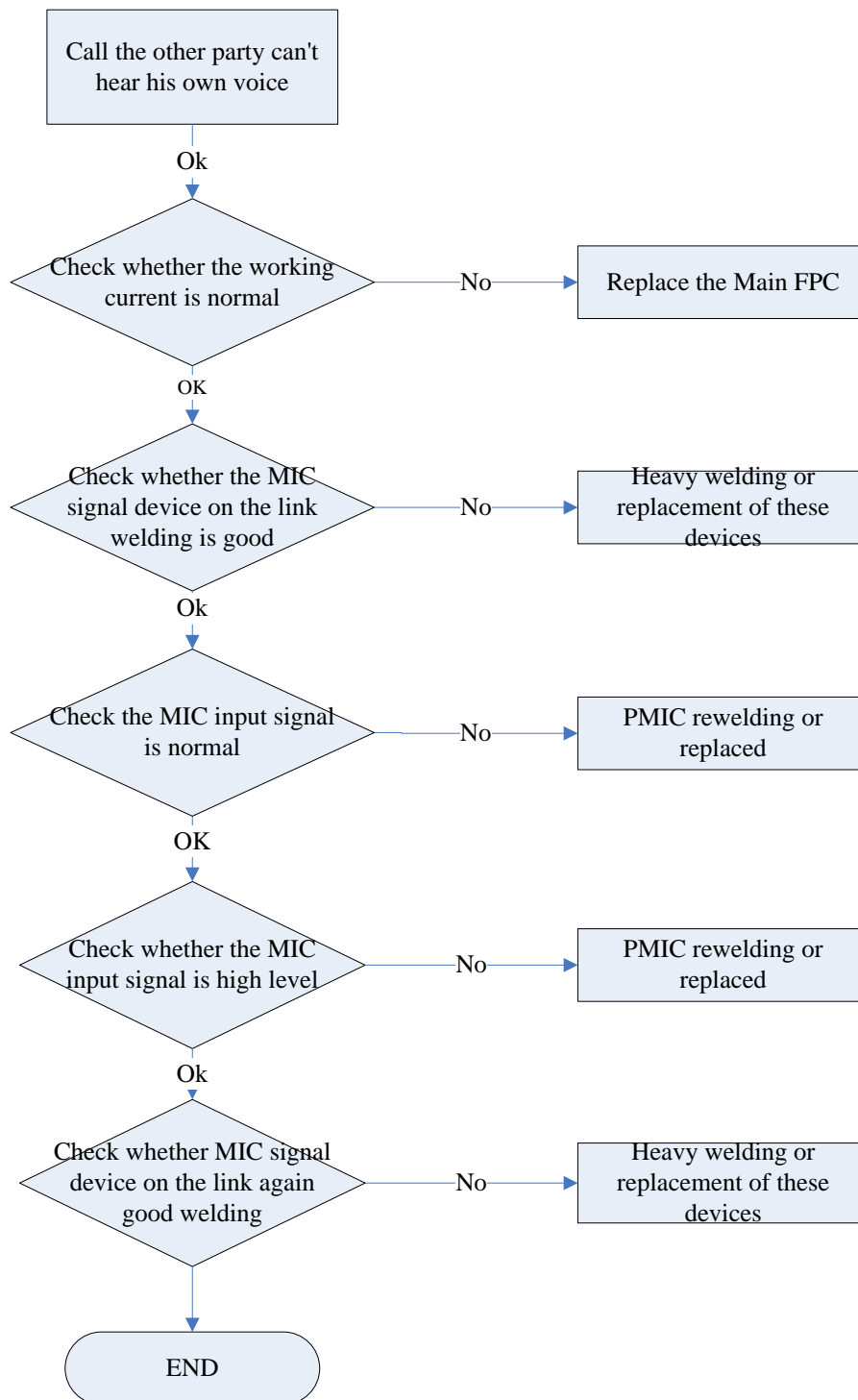
3.7 The key fault



3.8 Mobile communication failures

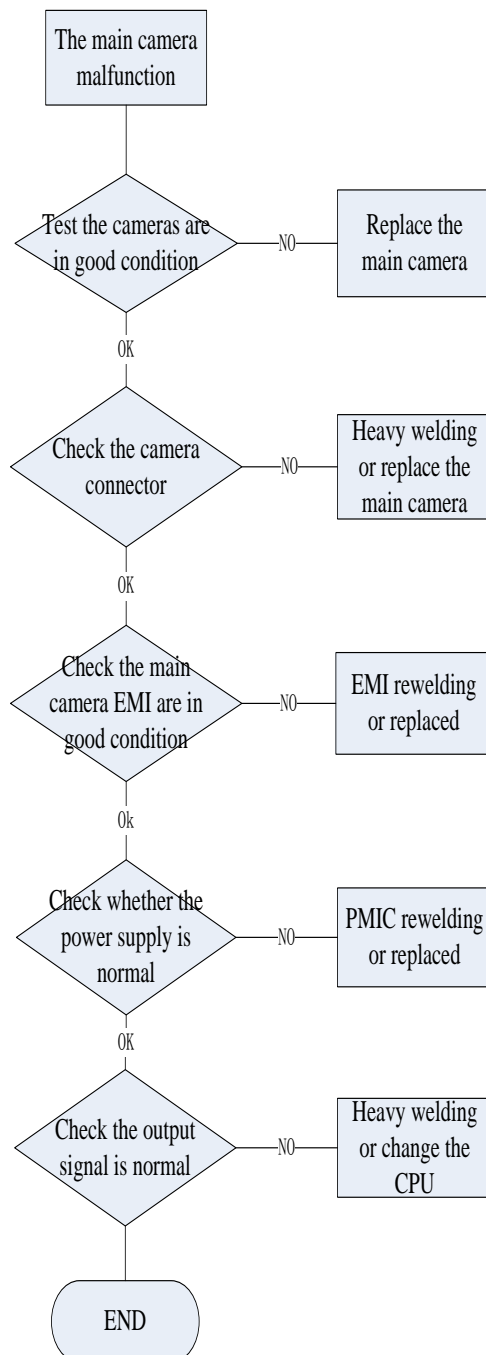


3.9 MIC fault

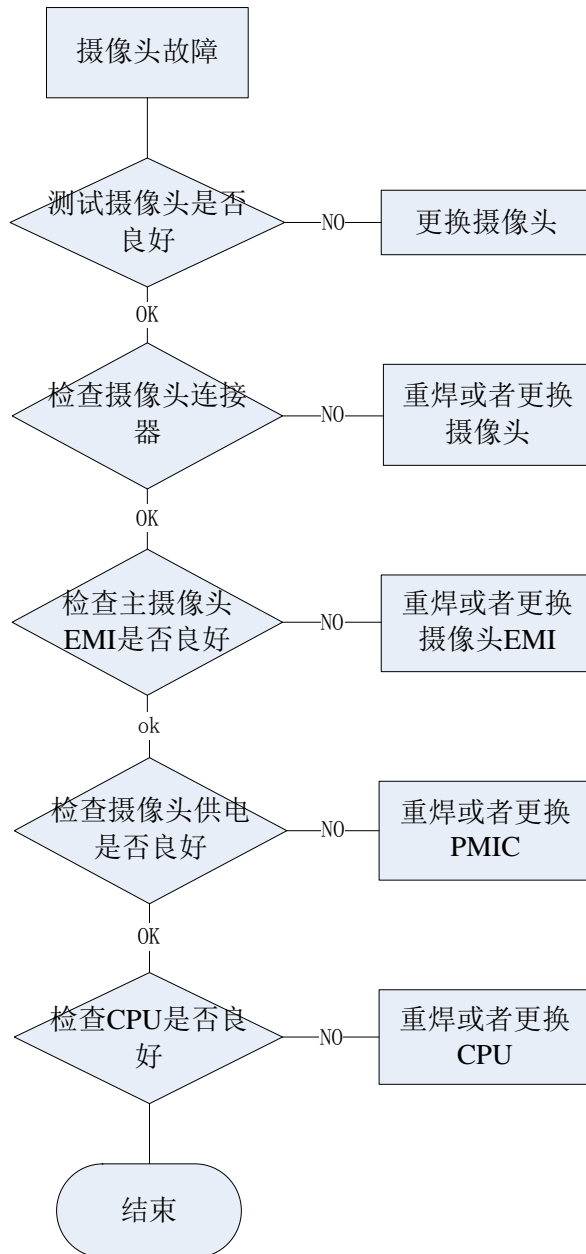


3.10 Camera malfunction

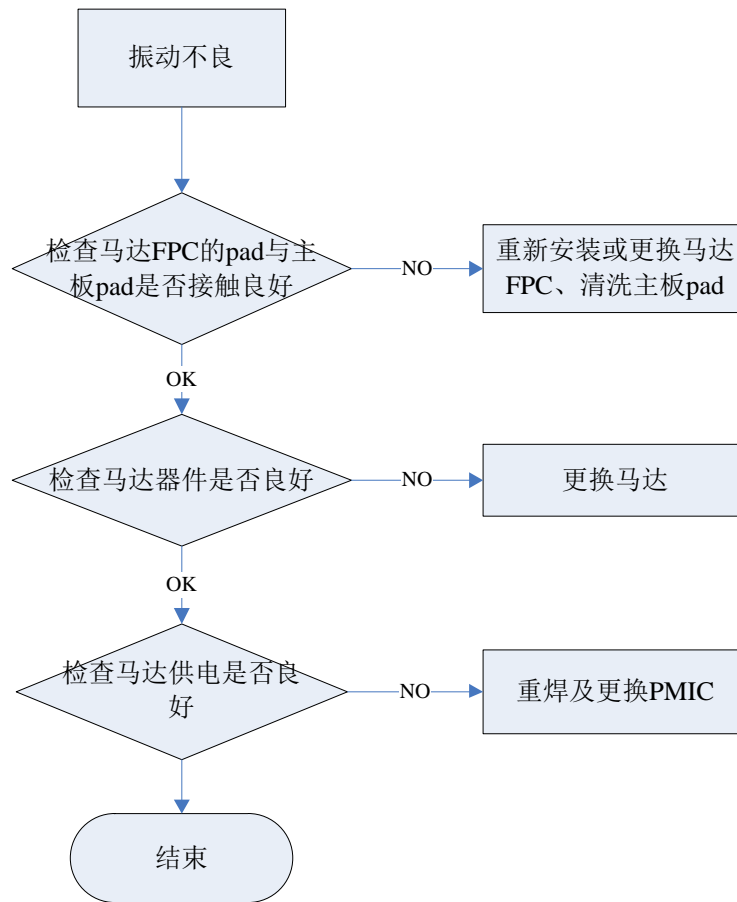
3.10.1 The main camera malfunction



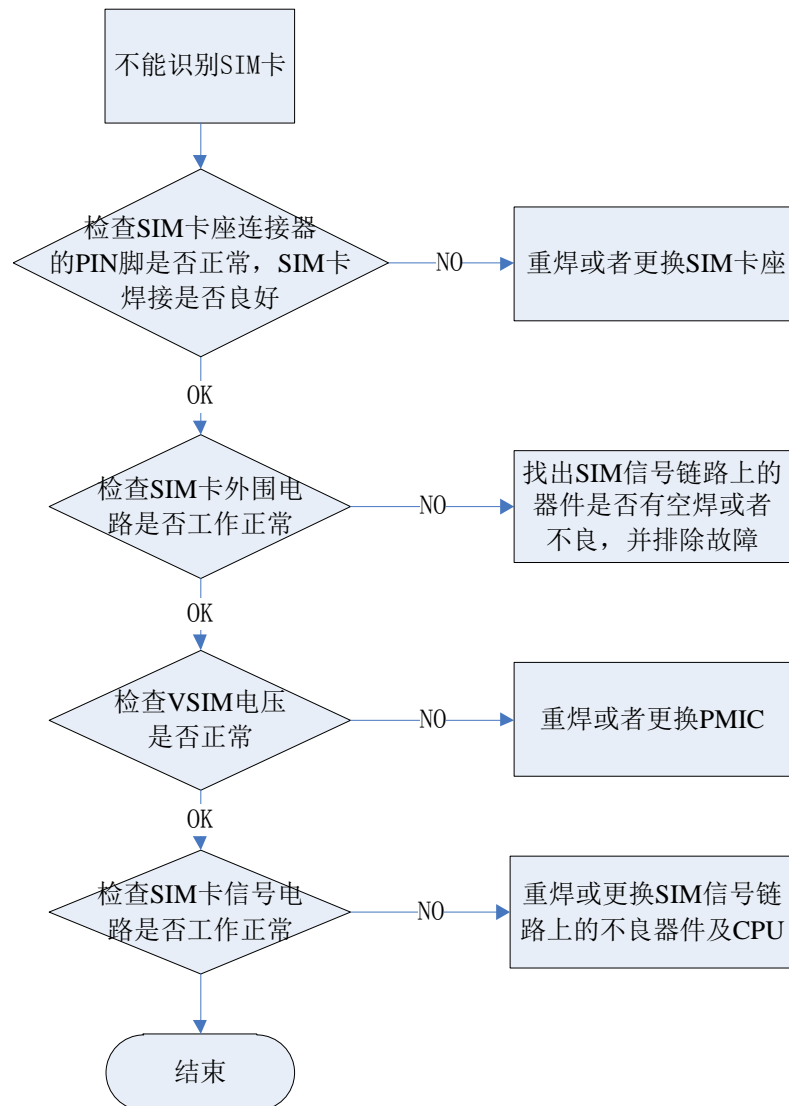
3.10.2 Before the camera malfunction



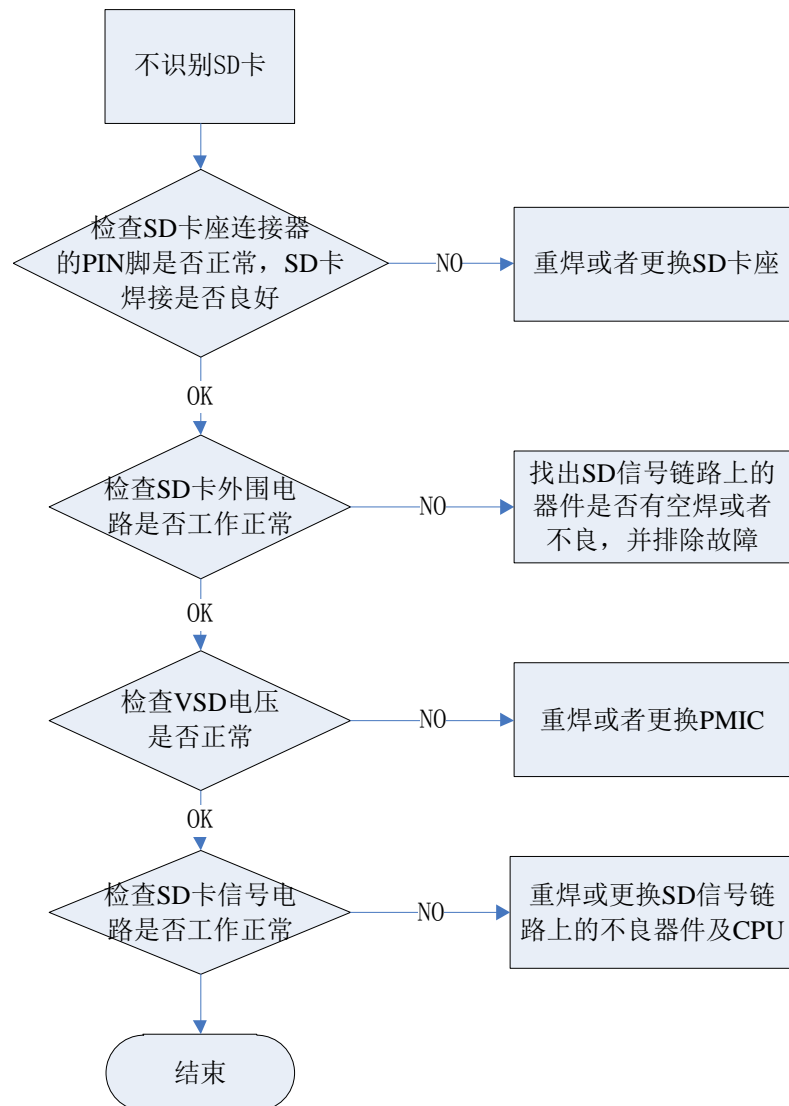
3.11 Vibration fault



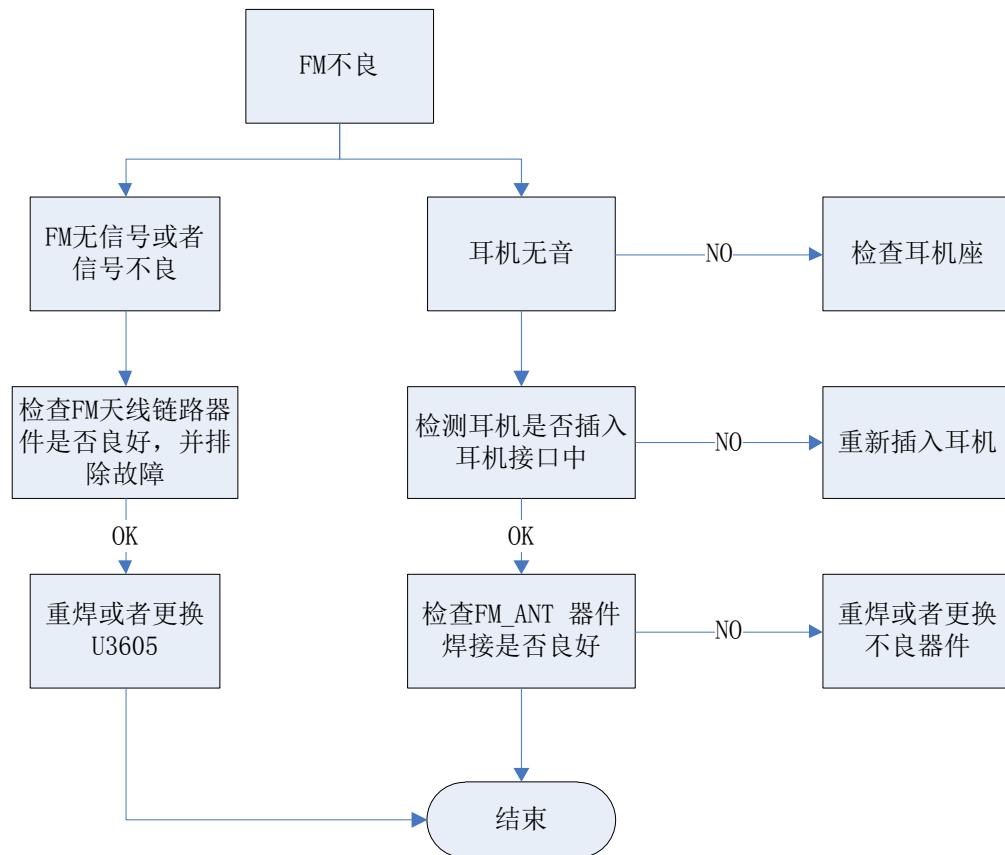
3.12 SIM card not to identify



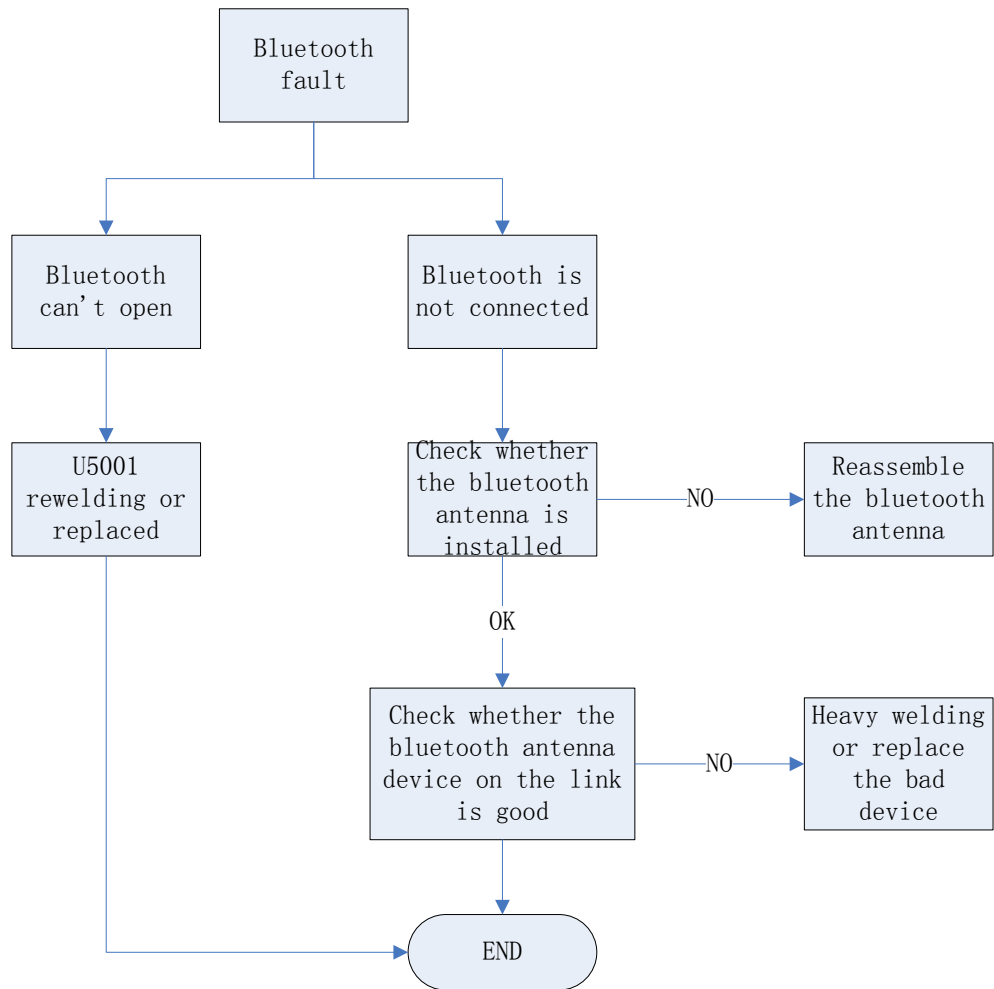
3.13 SD card can't identify



3.14 FM fault



3.15 Bluetooth/WLAN fault



4.Note

4.1 Replace the CPU machine

use MTK flash tool erase download software with signature, DA DA files you need to use the signature, the DA files can be confirmed with tool colleagues.

4.2 Replace the Flash machine

use MTK Flash tool erase downloaded signed software, need to select the corresponding DA files and auth, these two files can be confirmed with tool colleagues.