


BL8800Pro拆装机维修指导手册

 BL8800Pro Disassembling and
maintenance user manuals

技 术 文 件

Technical Files

文件名称：BL8800Pro拆装机维修手册

BL8800Pro Disassembling and maintenance user manuals

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1、整机外观检查

Overall appearance inspection



BL8800Pro 正面
Positive

BL8800Pro 背面
Reversed

1、检查机身是否有明显碰撞、跌落损失情况
Check if the phone has obvious collision or fall down

2、检查屏幕是否有刮痕、破裂情况
Check if the screen with scratches and cracks

3、检查USB、耳机接口塞或耳机盖和SIM卡托是否完整
Check USB, headphone jack or cover and sim card tray if is complete

2、拆机过程需要注意的事项

Precautions when disassembling

- 1、拆机前操作台面、人体做好静电防护措施。

The electrostatic protection measures should be taken on the operating table and human body before dismantling the phone.

- 2、操作台面干净整洁，尖锐金属工具整齐放好。

The operating table should be clean and tidy, sharp metal tools neatly placed.

- 3、准备好需要使用的工具：螺丝刀、镊子、撬棒等。

Prepare the tools to use: screwdriver, tweezers, crowbar, etc

3、常用的仪器设备和工具 3、Common instruments and tools



电烙铁electric soldering iron



无铅锡线Lead-free tin wire



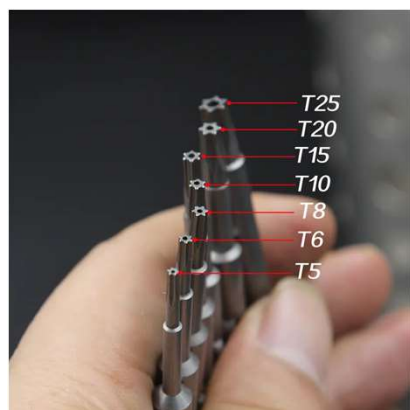
镊子tweezers



撬棒Crowbar



万用表multimeter



T5内六角螺丝刀



十字螺丝刀



吸盘



USB电流计



加热台

T5 Hex socket screwdriver

cross screwdriver

Sucker

USB ammeter

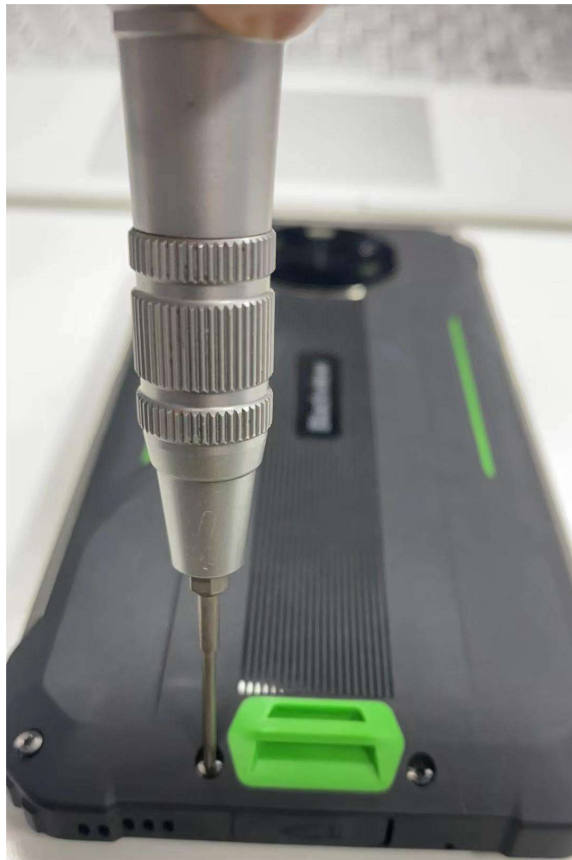
Heating Platform

4、拆机步骤

Disassembling steps

4.1、取下SIM卡托，使用T5螺丝刀取下机器背面8颗螺丝和两侧面6颗螺丝，螺丝分类放好。

take down the sim card tray, use T5 screwdriver to remove 8 screws on the back of the phone and 6 screws on both sides, sort the screws and put them in place



4.2、拆两侧装饰条、后盖

Remove both sides of the decorative strip, back cover

使用撬棒插入装饰条和后盖间缝隙，撬下两侧装饰条。注意收拾好音量键和自定义键，然后打开后盖。

Use the crowbar insert the gap between the trim strip and the back cover, pry down the trim strip on both sides. Take care to pack the volume keys and custom keys, and then open the back cover.



内部公开Blackview

4.2、拆主板支架和喇叭螺丝

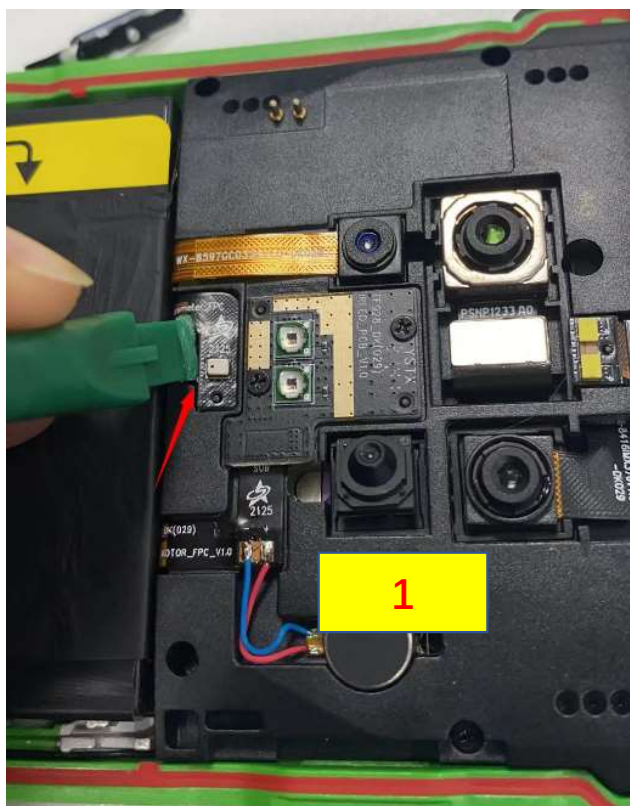
Remove motherboard stand and speaker screws

4.2.1、用撬棒轻轻撬开气压FPC，如图一

Use the crowbar to pry up air pressure FPC, as below picture 1

4.2.2、用十字螺丝刀依次取出红圈内的螺丝并收拾好。如图二

Remove the screws as below picture red circle marked by screwdriver and pack them up, as below picture 2



4.3、拆主板支架和喇叭

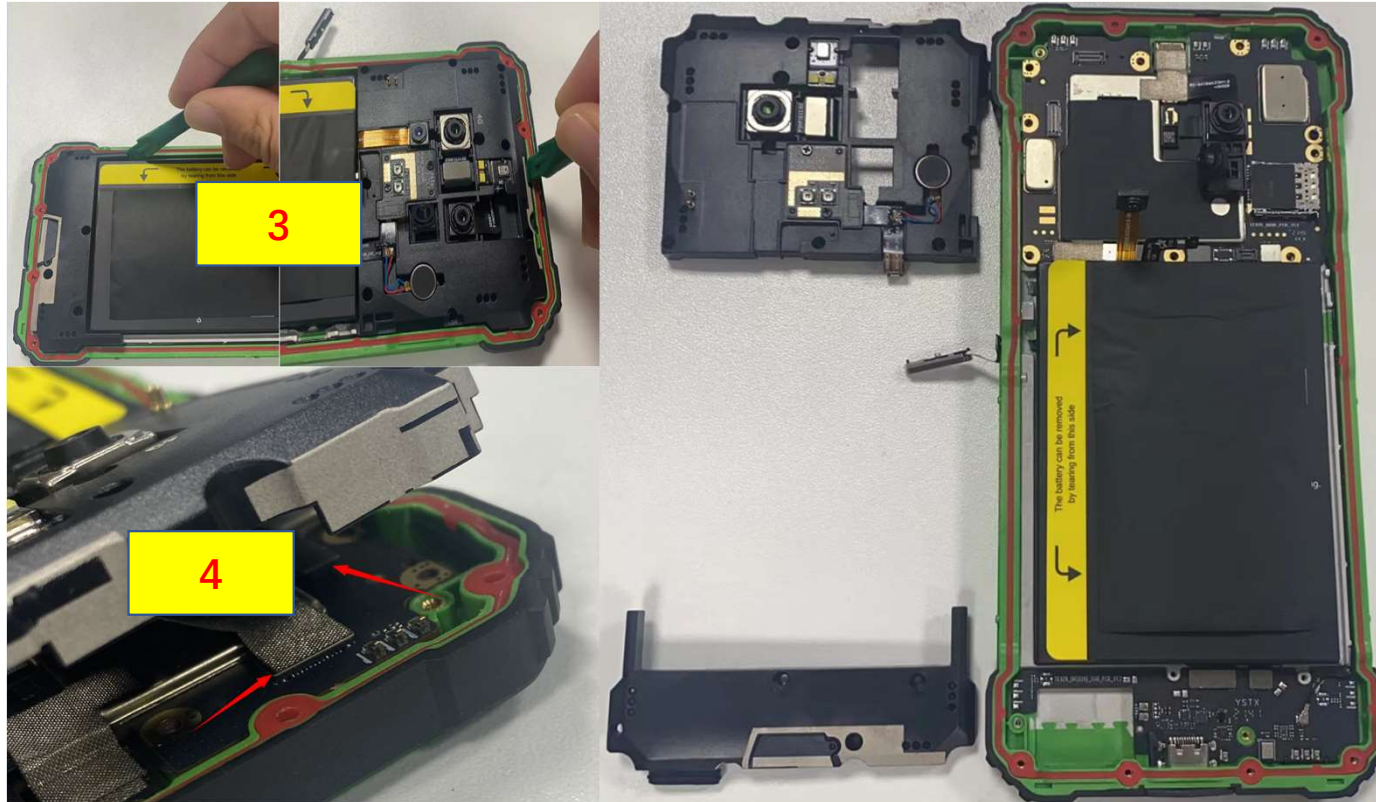
Remove motherboard stand and speaker

4.3.1、用撬棒撬主板支架顶部和喇叭，如图三

Use the crowbar to pry up top of motherboard stand and speaker, as below picture 3

4.3.2、拆顶部时注意，要等撬开后，用镊子取下闪光灯FPC和后主摄像头FPC，如图四箭头所示，

When removing the top of motherboard stand, note that need to use tweezers to remove the flash FPC and the rear main camera FPC after prying open, as below picture 4

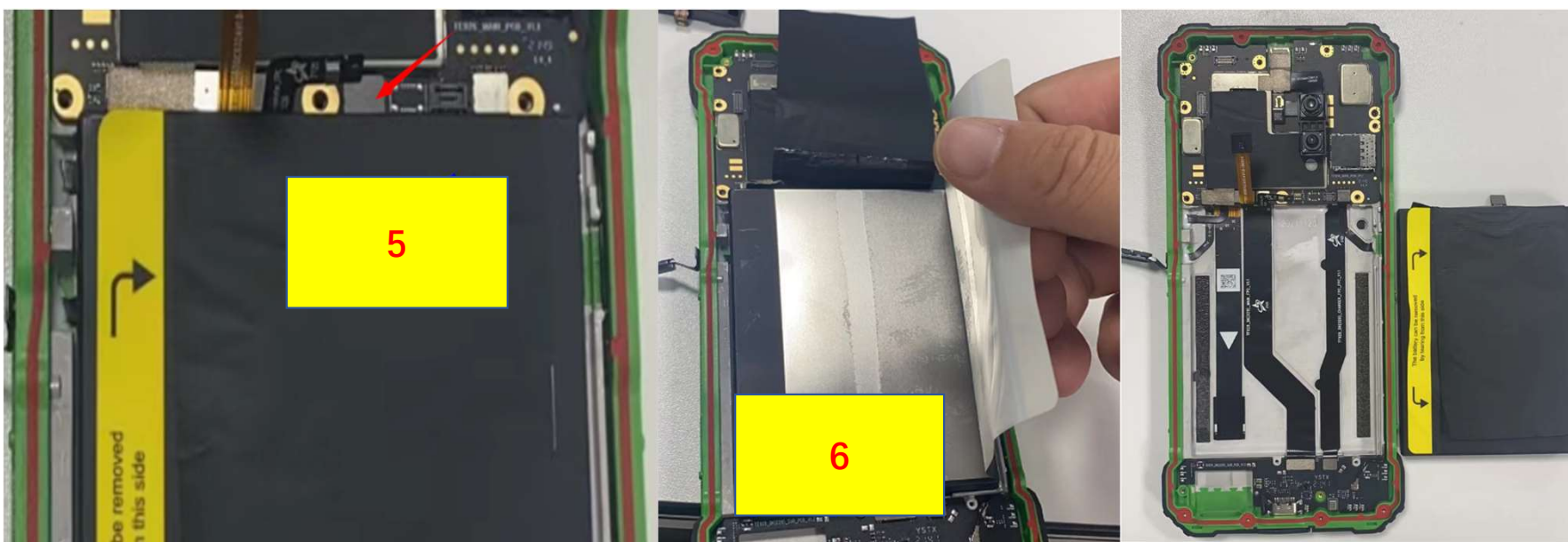


4.4、拆卸电池

Remove the battery

先拆开电池FPC，按电池贴上箭头方向撕下贴纸，然后慢慢拉扯，取下电池。

Firstly open the battery FPC, tear off the sticker according to the direction of the arrow on the battery sticker as below picture 5, and then pull it slowly to remove the battery as below picture 6

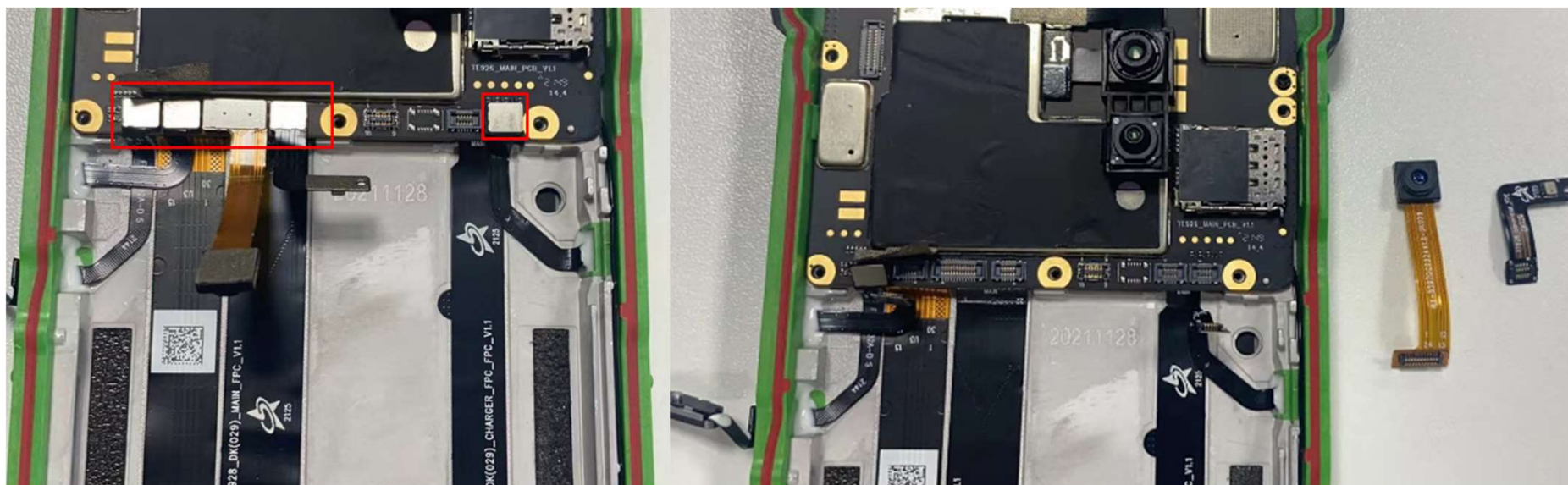


4.5、拆指纹、侧键、后副摄像头、气压、快捷键FPC

Remove fingerprint, side key, rear secondary camera, air pressure, shortcut key FPC

撕开导电布，然后依次拆下指纹、侧键、后副摄像头、气压、快捷键FPC

Tear off the conductive fabric, and then remove the fingerprint, side key, rear secondary camera, air pressure, shortcut key FPC in sequence

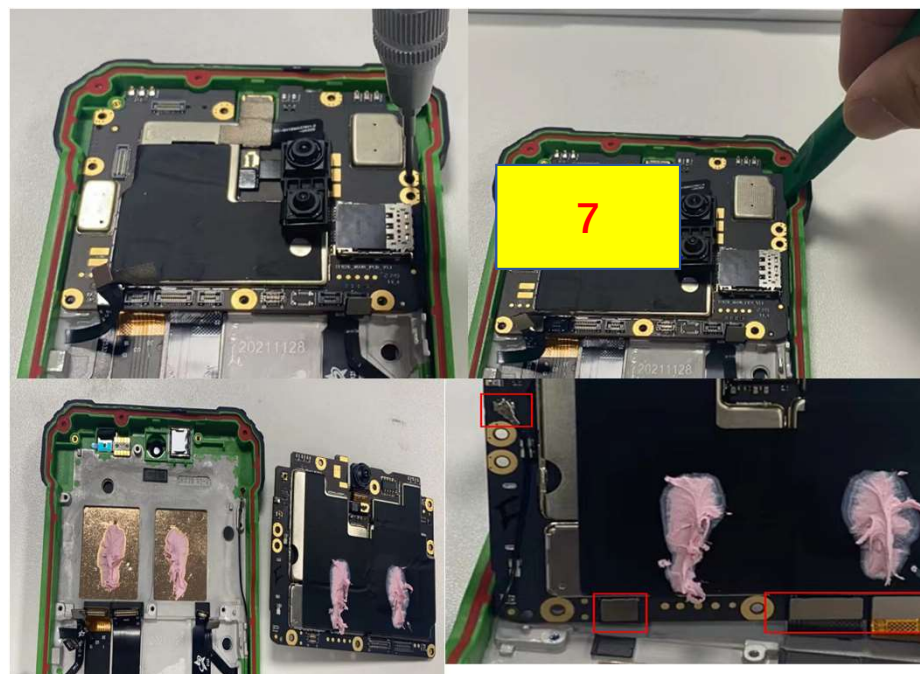


4.6、拆卸主板

Remove motherboard

取下主板固定螺丝，然后撬棒轻轻撬动主板右上角，如图七。然后轻轻抬起主板，拆下屏FPC、主FPC、充电FPC、同轴线。

Remove the screws fixing the motherboard, use the crowbar to pry up top right corner on motherboard, as below picture 8, then gently lift the motherboard, remove the screen FPC, the main FPC, the charging FPC, and the coaxial line.

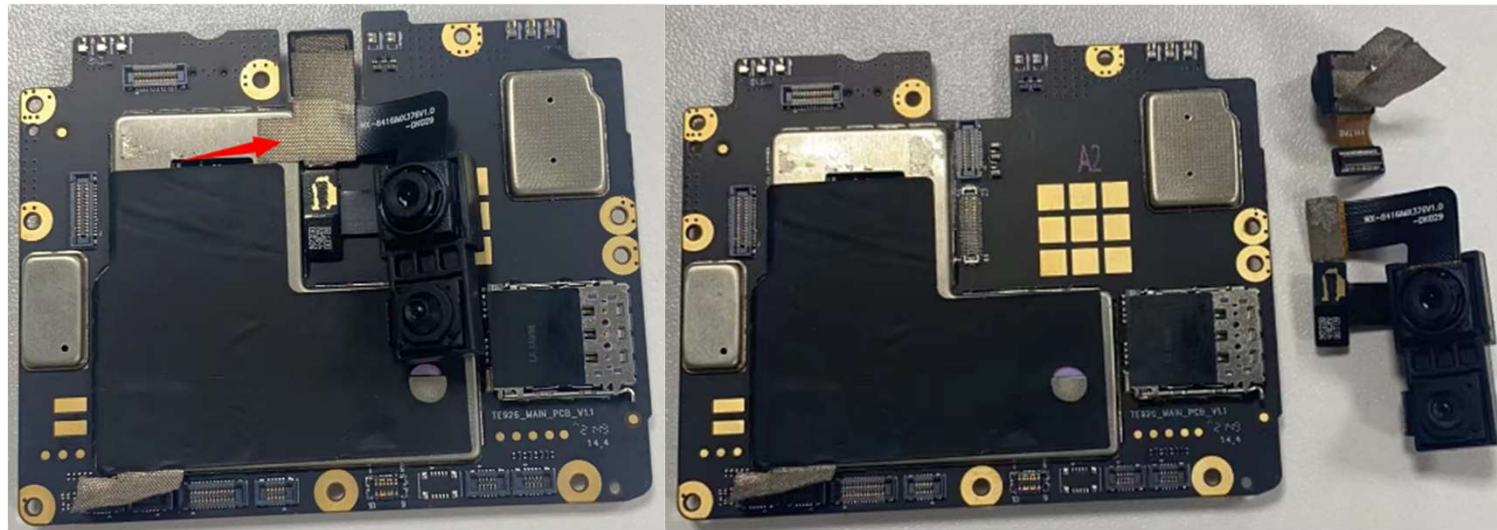


4.7、拆前摄像头、广角、夜视摄像头

Remove front camera、wide angle、night vision camera

先撕下前摄导电布，然后扣下前摄像头、广角、夜视摄像头

Tear off the front camera conductive fabric, then buckle front camera、wide angle、night vision camera



4.8、光感、主FPC、充电FPC、USB小板

Light sensor、main FPC、charging FPC、USB charging board

4.8.1、用镊子轻轻撬起光感FPC，如图八

Use the tweezers to pry up the light sensor, as picture 10

4.8.2、扣下主FPC和充电FPC，并撕下

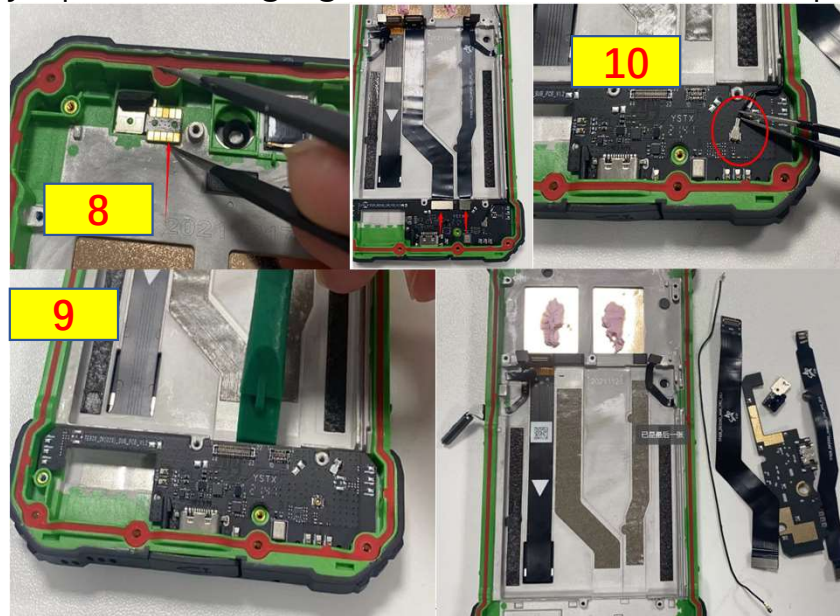
Buckle the main FPC and charging FPC, and tear it off

4.8.3、拆小板同轴线，并取下，如图九

Remove the coaxial line of the charger board and remove it as picture 12

4.8.4、使用撬棒，轻轻撬下USB小板，并取下，如图十

Use the crowbar to pry up USB charging board, and take it out, as picture 11



4.9、拆主板支架

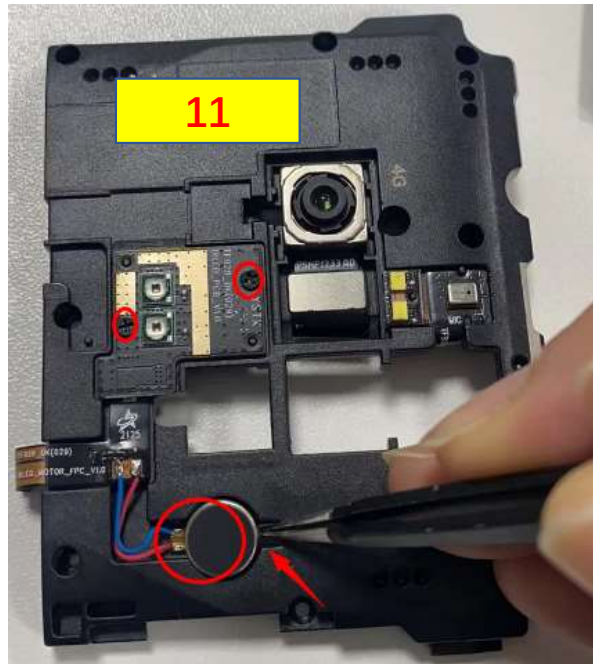
Remove motherboard stand

4.9.1、拆红外小板螺丝、马达：先取下红外小板螺丝，然后用镊子撬下马达，使用烙铁焊下马达线

Remove infrared small board screws and motors: first remove the infrared small board screws, then pry off the motor with tweezers, and use the soldering iron to solder the motor wire as below picture 11

4.9.2、拆后主摄像头和副麦FPC，使用镊子轻轻撬起后摄像头和副麦FPC，如图十二

Remove the rear main camera and the second microphone FPC, and use tweezers to gently pry up the rear camera and second microphone FPC, as picture 12



4.10、手机整体展示

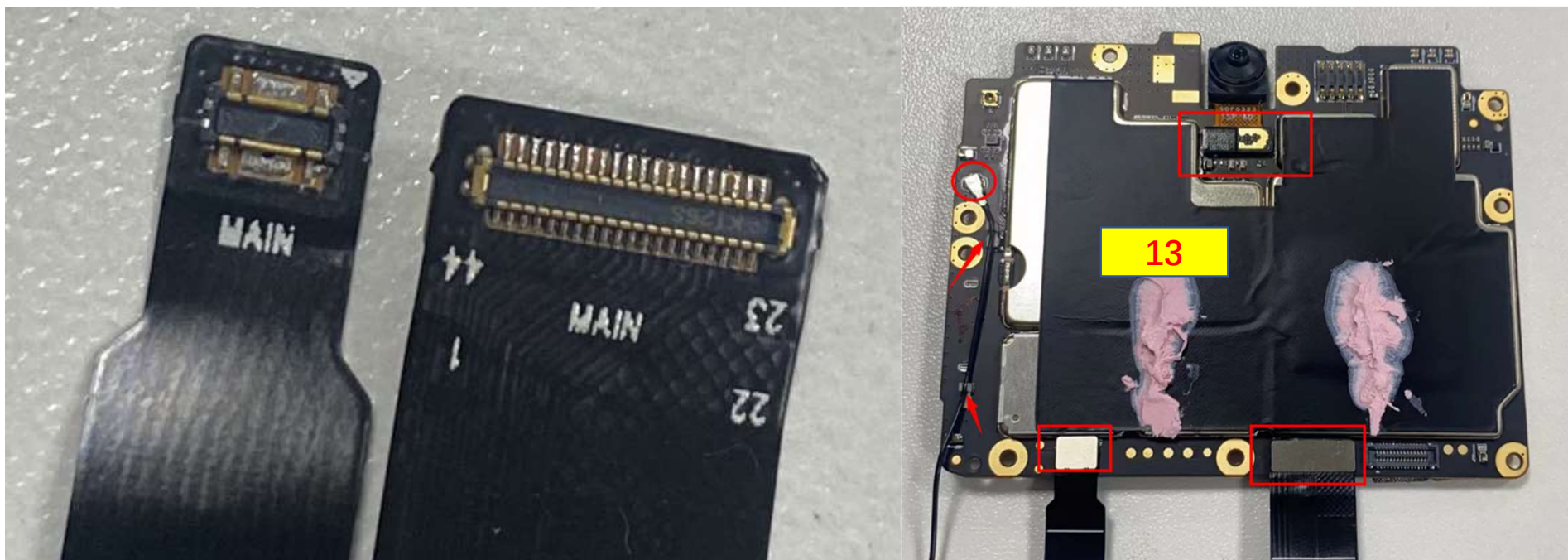
Overall display of mobile phone



5、装机步骤 5、Installation steps

5.1、扣前摄像头、同轴线、主FPC、充电FPC，注意：FPC一端有MAIN字样的扣在主板端，同轴线扣好后将引线卡紧在槽位内。如图十三

Buckle the front camera, coaxial line, main FPC, and charging FPC. Note: FPC with words 'MAIN' should buckled in the end of the motherboard, fasten the lead in the slot after buckle the coaxial line. As picture 13



5.2、装光感FPC、主板

Install light sensor FPC、motherboard

5.2.1、将光感胶套套到光传感器上,把光感FPC折弯对准定位柱放入面壳槽位中轻力按压平粘紧。如图十四

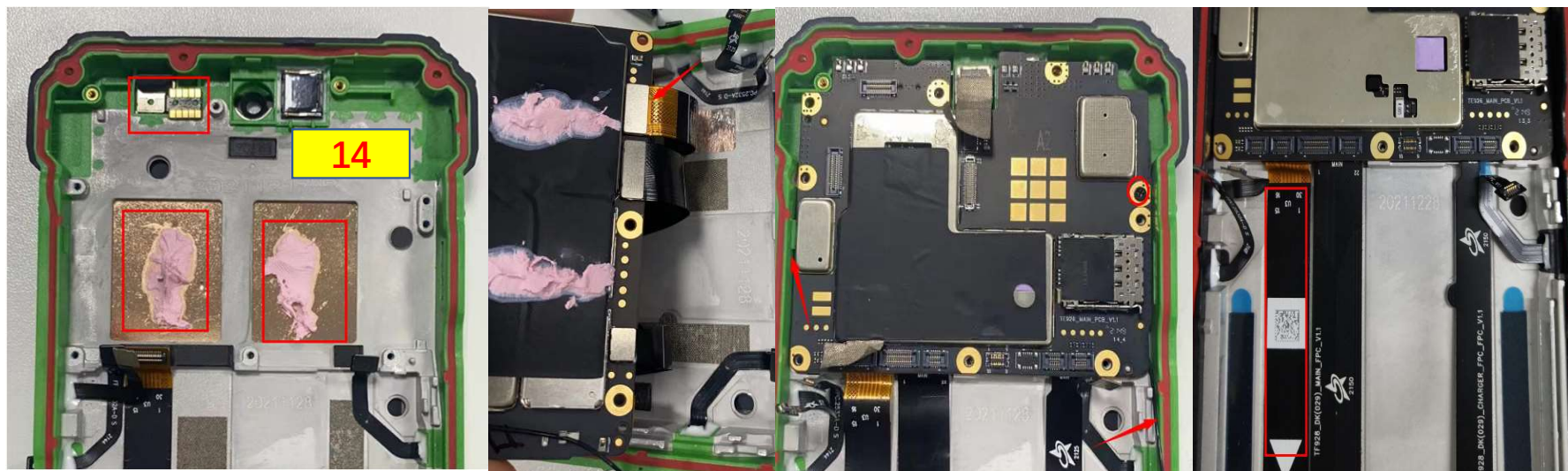
Put the light sensor glue sleeve into the light sensor, put the light-sensing FPC bending alignment positioning column into the groove of the surface shell, and press flat and stick tightly gently.

5.2.2、在散热铜管上打散热膏

Put thermal grease on the heat dissipating copper pipe

5.2.3、先将屏FPC对准主板连接器轻力按压扣紧,将主板左边倾斜对准屏组件扣位固定,将1pcs螺丝把主板锁紧在面壳上,将屏FPC理直粘上。

First, align the screen FPC with motherboard connector by light pressure and fastening, the motherboard should be tilted on the left side align to the screen module locked and fixed it, use 1pcs screw to lock the motherboard on the screen module, and stick screen FPC.



5.3、装USB小板、扣排线

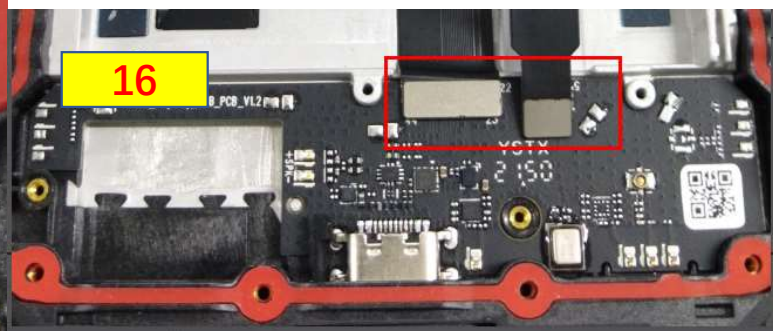
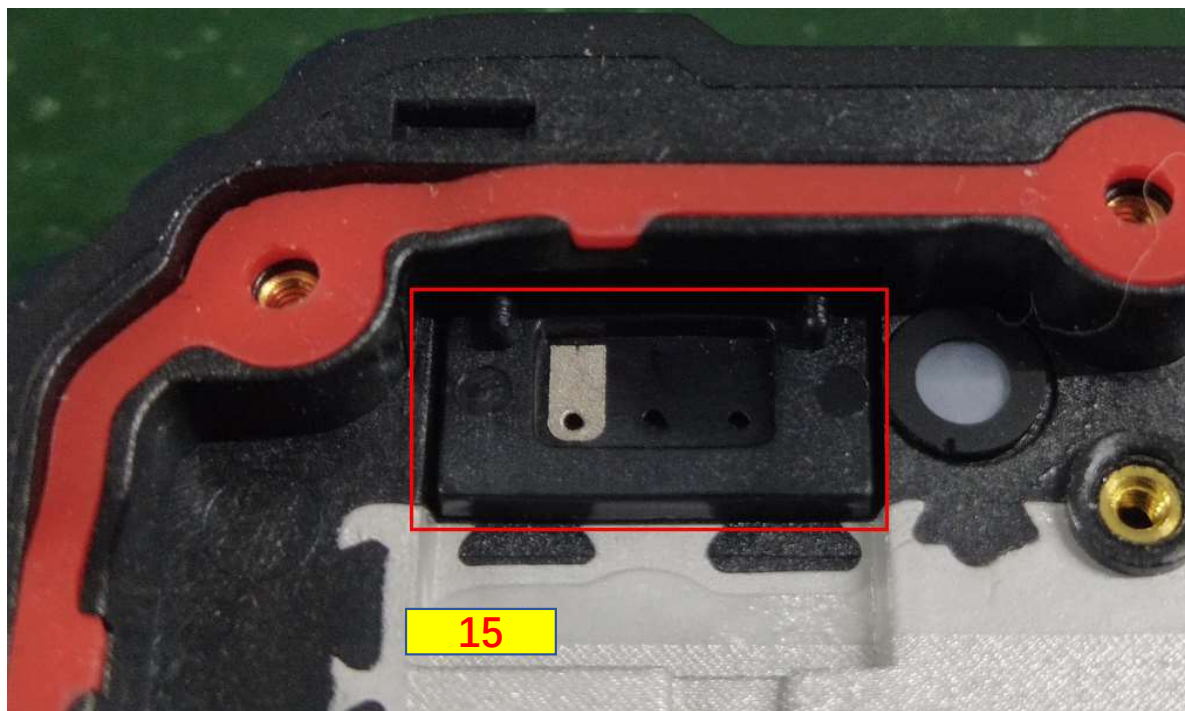
Install USB charging board、buckle flat cable

5.3.1、先将底壳位置装上4G天线，如图十五

Firstly, install the 4G antenna to the bottom shell position, as picture 17

5.3.2、将USB小板放入底壳位置，并扣上主FPC和充电FPC，如图十六

Install USB charging board to the bottom shell position, buckle main FPC and charging FPC, as picture 18

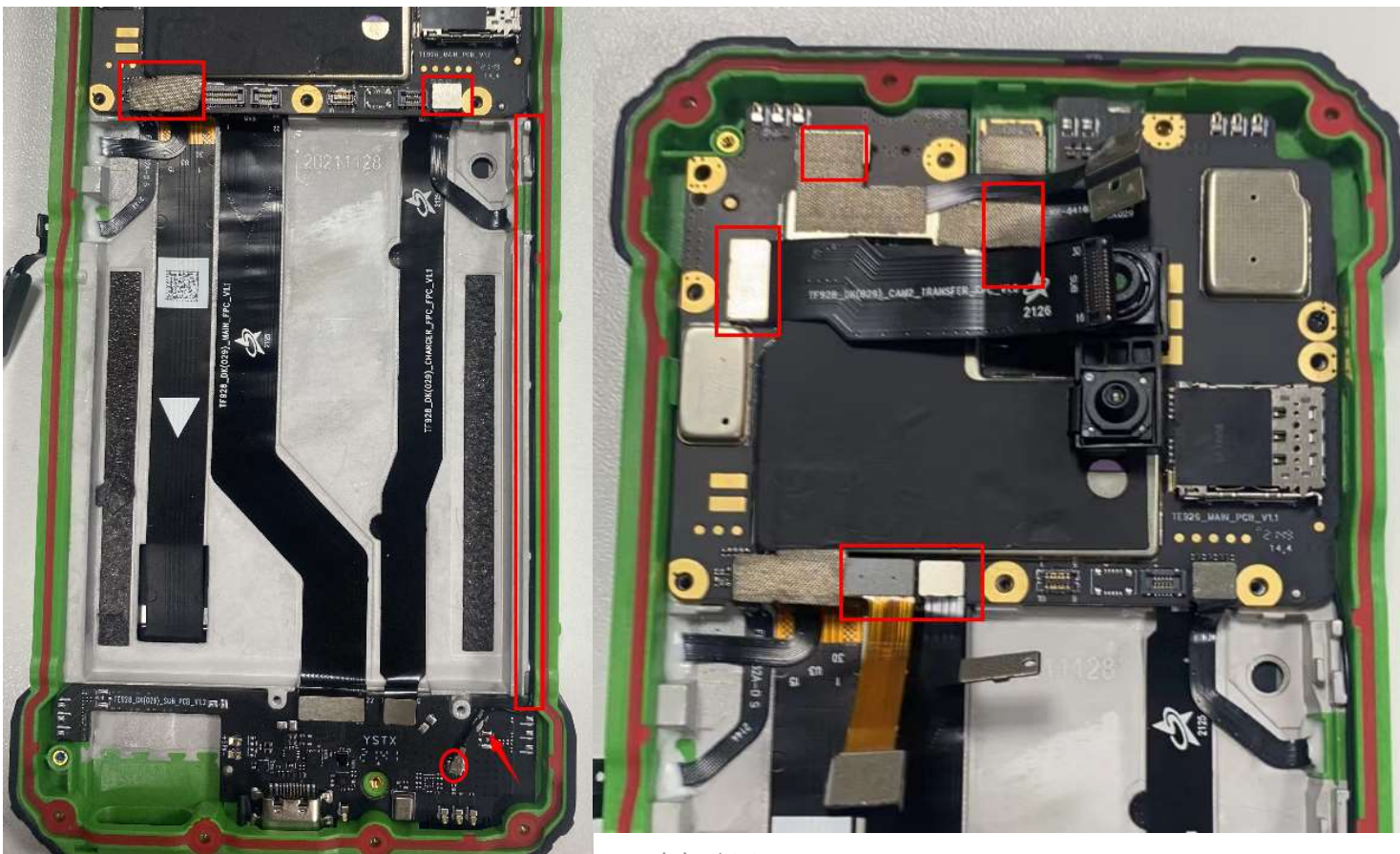


5.4、理直FPC、埋好同轴线、扣好三个按键FPC

Straighten the FPC, bury the coaxial line, and buckle the three buttons FPC

5.5、扣后副摄像头、夜视广角摄像头、主摄像头延长FPC、副麦FPC、气压FPC

Buckle rear secondary camera、night vision wide-angle camera, main camera extension FPC, secondary microphone FPC, air pressure FPC



- 5.6、装入电池并扣好电池FPC。
Install the battery and locked the battery FPC.



5.7、装喇叭

Install the speaker

将喇叭防水圈区分好方向套在喇叭孔上，喇叭倾斜装入底壳喇叭槽位内按压固定，并锁上四颗螺丝。

Put the speaker waterproof ring distinguish correct direction on the speaker hole, install aslant speaker to the speaker bottom shell slot, pressing and fixing it, and locked four screws.

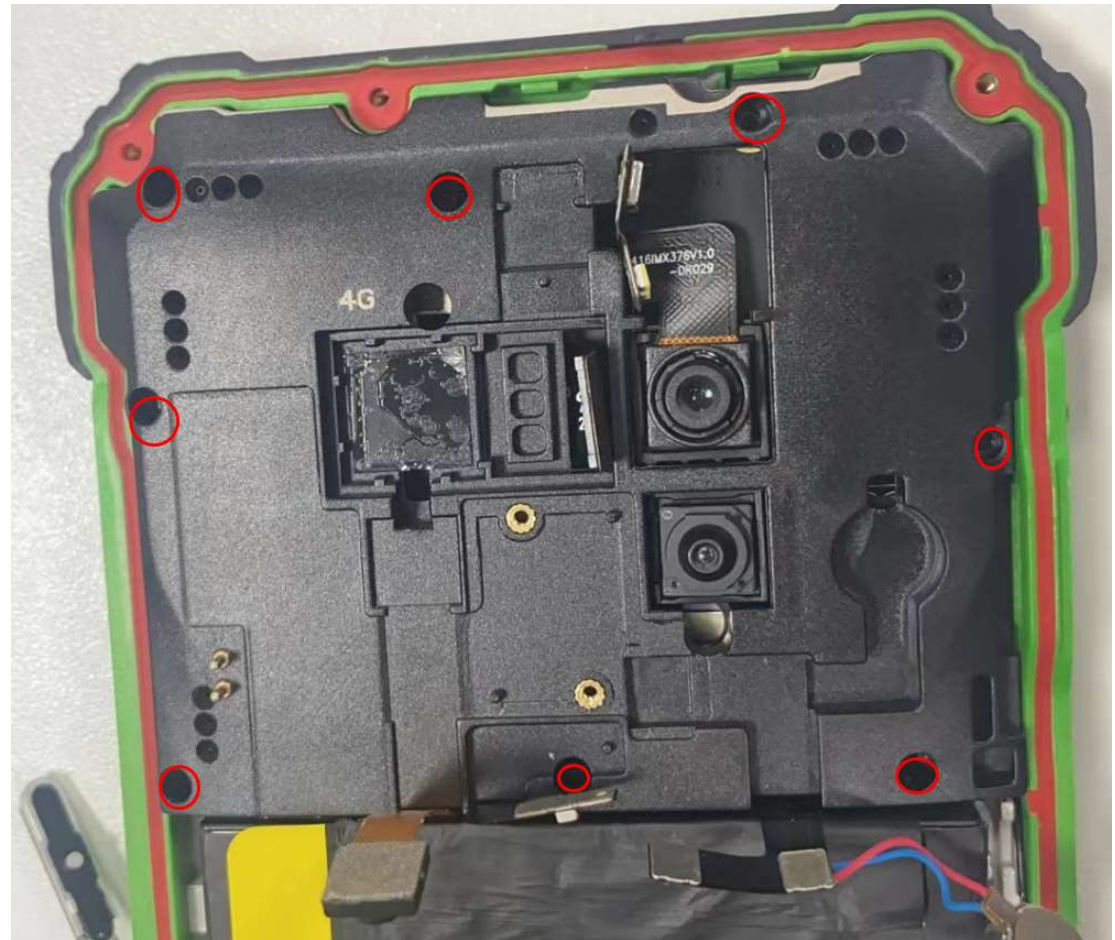
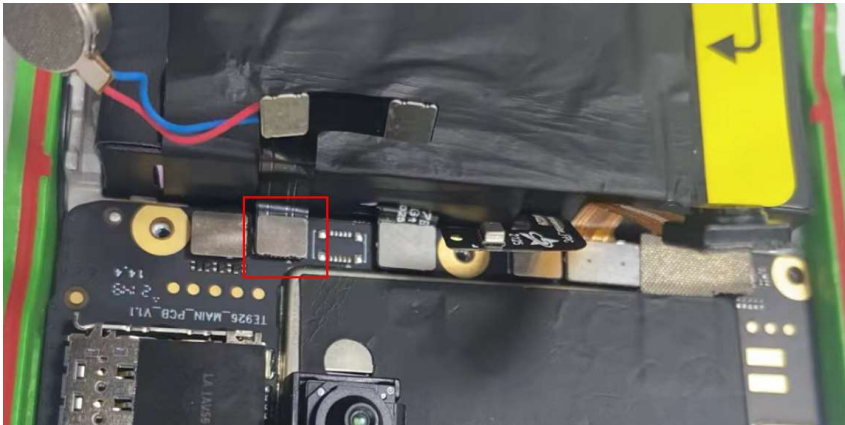


5.8、扣红外FPC，装主板支架

Buckle infrared FPC, install motherboard bracket

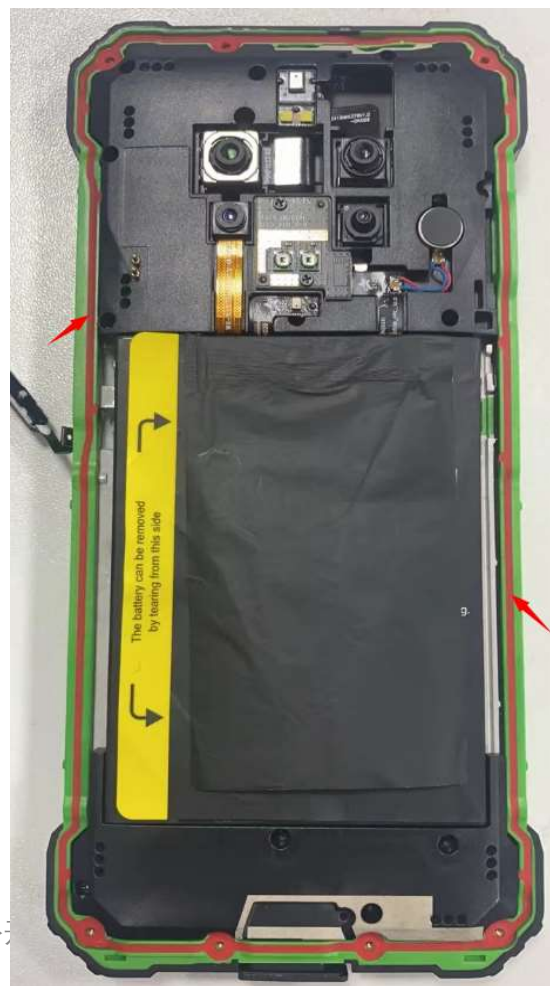
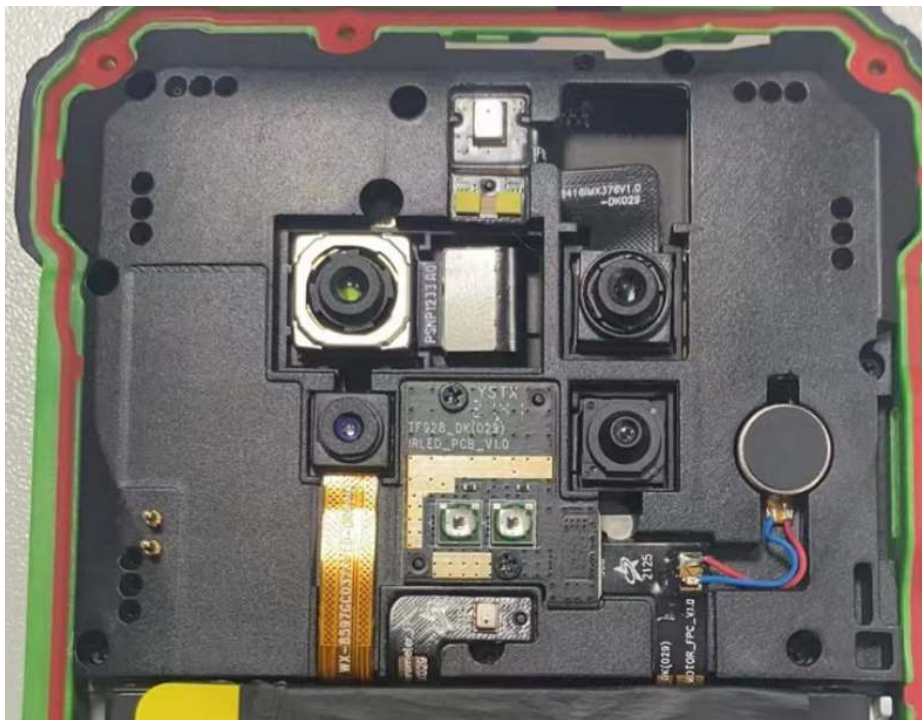
将主板上扣好的摄像头、FPC穿过支架孔，并锁上螺丝

Put the camera and FPC fastened on the motherboard through the bracket hole and lock the screws



5.9、固定副麦FPC、气压FPC、扣主摄像头并固定、固定副摄像头，检查防水圈

Fixing the secondary microphone FPC, air pressure FPC, buckle the main camera and fixing it, and fixing the secondary camera, check the waterproof ring



5.10、装底壳，打螺丝

Install the buttom shell and screw

注意：顶部第三个螺丝是短螺丝，

Note: The third screw at the top is the short screw



5.11、装侧面装饰件和按键，打螺丝

Install side trim and buttons and screws

注意：侧面音量键注意方向

Note: Side volume key note orientation



Blackview

6、软件升级操作

Software updating operations



MTK tool
instruction.xls

7、分模块常见问题维修方法

Maintenance method of common problems by module

7.1不开机问题



Problem of the phone not turn on

A、首先长按开机键5秒看机器能否开，如能开，则是判断问题(误判)；如果不能开机，则需进行下一步分析。

A、First, long press the power button for 5 seconds to check if the phone can be turn on, if can turn on, it is the judge the problem (erroneous judgement); If the device cannot be turn on, need to analysis next step.

B、先将USB电流计和充电器串联，对机器进行充电，充十分钟左右时间，看电流计上电流显示，能否达到1A以上。

B、First USB ammeter and charger in series, charging the phone, charge about ten minutes, check the current display on the ammeter if can reach more than 1A.

C、若电流能达到1A以上，说明机器充电正常，接着继续充电后看能不能开机，若能开机，则说明机器是因为电池低电导致不开机；若还不能开机，可能是主板不良，按拆机步骤进行拆机更换主板。

C、If the current can reach more than 1A, it means that the phone can be charged normally, and then continue to charging to check whether it can be turned on. If it can be turned on, it means that the problem is low battery power; If the phone can't be turn on, maybe the motherboard problem, according to the disassembly steps to replace the motherboard.

D、若电流不能达到1A以上，说明机器充电也是有问题，需对主板、USB小板、电池继续交换验证，确认哪个物料问题进行更换。

D、If the current cannot reach more than 1A, it indicates that there is a problem with the charging. It is necessary to continue to exchange and verify of the motherboard, USB charging board and battery to confirm which spare parts is faulty and need to replaced.

7.2、不充电问题

Not charging problem

参照7.1不开机中B-D部分。

Refer to 7.1 B-D not turn on part.

7.3、相机问题

Camera problem

主要要分清前后拍照问题，绝大多数为摄像头物料问题，按拆装机步骤进行更换对应摄像头。

The main problem is to distinguish between the front camera and back camera, the vast majority of camera material problems, according to the dismantling and installation steps to replace the corresponding camera.

7.4、喇叭类问题

Speaker problem

主要有喇叭杂音、无声或其他类音频问题，主要也是喇叭物料问题，按拆装机步骤进行更换喇叭。

The speaker mainly problem is noise, silence or other audio problems, mainly also the material problems, according to the removal and installation steps to replace the speaker.

7.5、麦克问题

Micphone problem

麦克问题，主要为USB小板问题，麦克是在小板上的，可根据拆装机步骤更换小板。

The micphone problem is mainly the USB charging board problem, because the micphone is on the charger board. The charger board can be replaced according to the disassembling and installing steps.

或者检查麦克孔有无堵塞、麦克密封套是否装到位等。

Or check if the micphone hole is blocked, whether the mic sealing sleeve is installed in place, etc.

7.6、指纹问题 7.6、Fingerprint problem

如果指纹解锁不了，进入指纹录入界面，设置-安全-解锁方式，进入指纹解锁中去重新录入指纹。还是不能使用的話，更换指纹物料

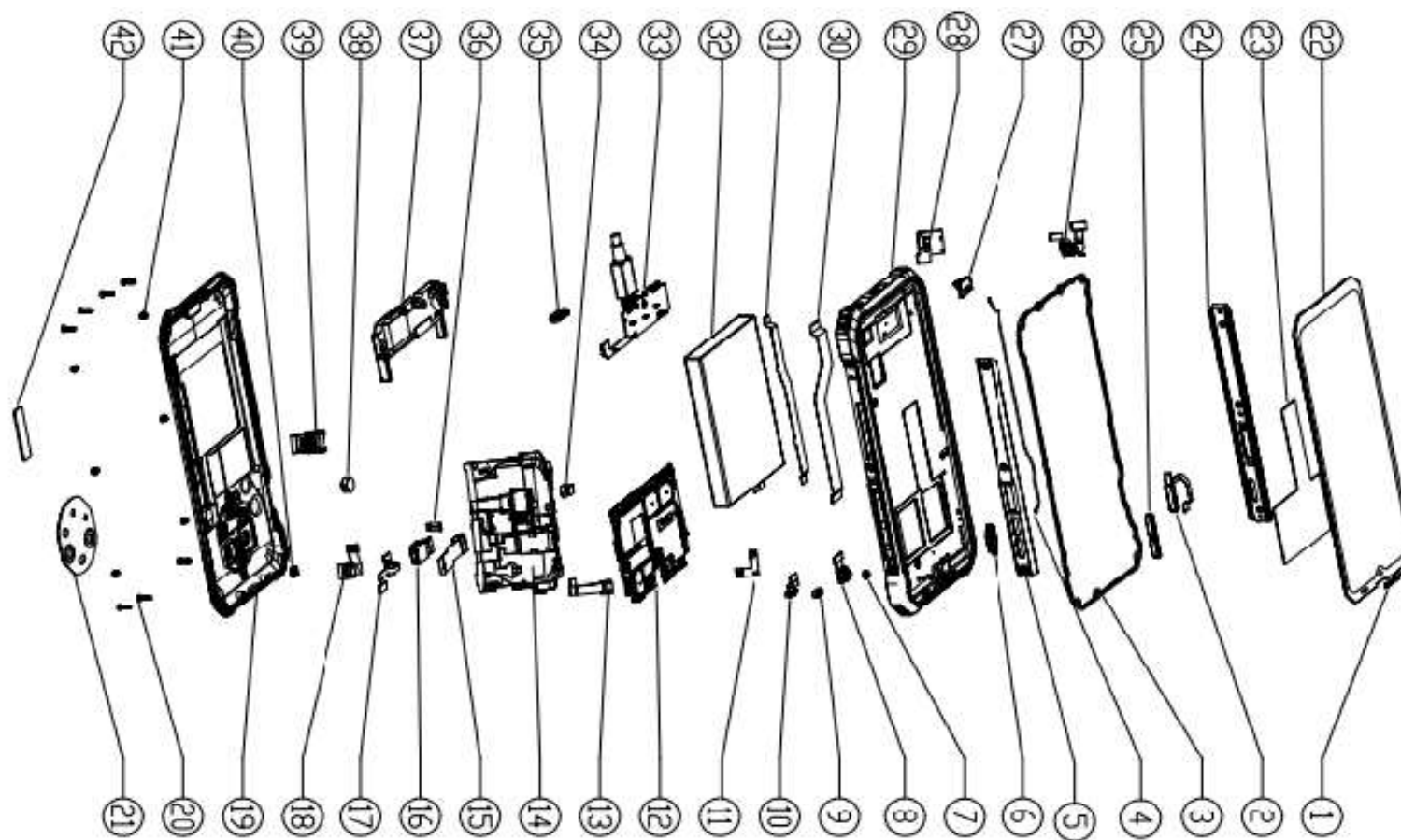
If the fingerprint cannot be unlocked, enter the fingerprint input interface, settings - security - unlock mode, enter the fingerprint unlock to re-set it. If still can not be used, replace the fingerprint sensor material

或者在解锁界面如果没有指纹解锁按钮，那说明指纹物料出现了问题，需要重新更换。

If there is no fingerprint unlock button on the unlock interface, it means that there is a problem with the fingerprint material and it needs to be replaced.

8、产品爆炸图

The explosion pictures



BL8800Pro explosive view

NO.	名称	name of material	material code	NO.	名称	name of material	material code
1	听筒网	Receiver net	DK014.340110011	22	贴合屏	TP-LCD component(sub material)	DK029.140200011
2	指纹模组	Fingerprint button(sub material)	DK029.330400011	23	散热铜管	Cooling copper pipe	DK029.350130041
3	防水圈	waterproof ring	DK029.310210031	24	左侧条	left side	DK029.120130011
4	4G天线同轴线	4G antenna coaxial line	DK029.18100011	25	音量按键组件	volume +/- keyboard	DK029.120110011
5	右侧条	right side	DK029.120140011	26	广角摄像头	Wide-angle camera	DK029.160200011
6	卡托	card tray	DK029.121300011	27	天线四支架-4G	Antenna holder-4G	DK029.150100011
7	前摄密封胶套	Front camera seal cover	DK029.310210081	28	补光灯小板	Fill light board	DK029.110100091
8	前置摄像头	Front camera	DK023.160300022	29	面壳组件	Front case component	DK029.310100031
9	光距感密封胶套	light distance+Signal indicator seal cover	DK029.310210091	30	快充FPC	Fast charging FPC	DK029.110100031
10	光距感模组	light distance+Signal indicator FPC	DK029.110100061	31	主FPC	Main FPC	DK029.110100021
11	补光灯小板FPC	Fill light board FPC	DK029.110100081	32	电池	Battery	DK029.211008611
12	主板组件	PCBA	DK029.110000011	33	4G天线小板	4G antenna board	DK029.110100011
13	单假摄	fake camera	DK029.160400012	34	气压FPC	Air pressure FPC	DK029.110100041
14	天线支架组件-4G	Diversity/BT/WIFI/GPS antenna component-4G	DK029.150110011	35	喇叭防水胶套	speaker waterproof ring	DK029.310220011
15	后主摄像头转接排线	rear main camera FPC	DK029.110100051	36	NFC天线弹针	NFC antenna pin	DK029.150120031
16	后主摄像头	Rear camera	DK029.160100011	37	BOX喇叭-4G	Speaker 4G	DK029.170500011
17	闪光灯排线	flashlight+mic FPC	DK029.110100071	38	马达	motor	DK029.180100011
18	夜视摄像头	Night vision camera	DK029.160300011	39	摄像头支架2	camera holder 2	DK029.310220031
19	底壳组件	Back case component	DK029.310300031	40	副麦密封胶套	sub mic seal cover	DK029.310220021
20	底壳螺丝1	Back case screw	DK029.330800021	41	侧条螺丝	side screw	DK029.330600011
21	单假摄像头镜片	fake camer lens	DK029.360120011	42	LOGO镜片	logo lens	DK029.360130011

THANKS